

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD010320\
 Data File : VD064729.D
 Acq On : 03 Jan 2020 12:44
 Operator : VA/SY
 Sample : VD0103SBS01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0103SBS01

Manual Integrations
 APPROVED

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1/6/2020 10:49:53 AM

Quant Time: Jan 03 16:47:08 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D122419S.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 24 13:19:06 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	421929	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	608894	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	538783	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	269640	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	172378	46.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.66%	
35) Dibromofluoromethane	7.92	113	171269	45.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.70%	
50) Toluene-d8	10.34	98	652259	45.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.18%	
62) 4-Bromofluorobenzene	12.64	95	203082	44.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.78%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	64709	19.734	ug/l	99
3) Chloromethane	2.21	50	95730	20.875	ug/l	96
4) Vinyl Chloride	2.35	62	113823	20.357	ug/l	98
5) Bromomethane	2.76	94	80573	19.819	ug/l	96
6) Chloroethane	2.91	64	78334	20.908	ug/l	99
7) Trichlorofluoromethane	3.27	101	193864	20.592	ug/l	98
8) Diethyl Ether	3.71	74	38013	20.333	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.08	101	78885	20.232	ug/l	98
10) Methyl Iodide	4.29	142	79294	18.933	ug/l	98
11) Tert butyl alcohol	5.26	59	19691m	92.349	ug/l	
12) 1,1-Dichloroethene	4.06	96	75666	20.384	ug/l	87
13) Acrolein	3.93	56	25339	85.270	ug/l	96
14) Allyl chloride	4.71	41	116437	20.118	ug/l	99
15) Acrylonitrile	5.43	53	80536	103.419	ug/l	98
16) Acetone	4.16	43	86177	105.171	ug/l	99
17) Carbon Disulfide	4.39	76	231677	19.302	ug/l	98
18) Methyl Acetate	4.73	43	44084	21.046	ug/l	96
19) Methyl tert-butyl Ether	5.48	73	170326	20.658	ug/l	91
20) Methylene Chloride	4.96	84	93260	21.748	ug/l	97
21) trans-1,2-Dichloroethene	5.47	96	86608	20.487	ug/l	88
22) Diisopropyl ether	6.37	45	242865	21.039	ug/l	99
23) Vinyl Acetate	6.31	43	669787	102.283	ug/l	99
24) 1,1-Dichloroethane	6.26	63	144690	20.878	ug/l	98
25) 2-Butanone	7.22	43	108626	106.217	ug/l	94
26) 2,2-Dichloropropane	7.21	77	133052	20.650	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	93572	20.509	ug/l	99
28) Bromochloromethane	7.55	49	50901	18.895	ug/l	98
29) Tetrahydrofuran	7.57	42	67811	106.624	ug/l	96
30) Chloroform	7.71	83	149338	20.539	ug/l	98
31) Cyclohexane	7.99	56	136627	19.695	ug/l	# 91
32) 1,1,1-Trichloroethane	7.90	97	142270	20.832	ug/l	100
36) 1,1-Dichloropropene	8.11	75	119025	20.309	ug/l	99
37) Ethyl Acetate	7.30	43	47067	20.443	ug/l	98
38) Carbon Tetrachloride	8.10	117	125943	20.154	ug/l	99

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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D122419S.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 24 13:19:06 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	142381	20.059	ug/l	96
40) Benzene	8.35	78	324973	20.312	ug/l	99
41) Methacrylonitrile	7.53	41	28890	21.627	ug/l	94
42) 1,2-Dichloroethane	8.43	62	98564	21.319	ug/l	100
43) Isopropyl Acetate	8.46	43	93435	20.389	ug/l	99
44) Trichloroethene	9.11	130	95152	20.245	ug/l	90
45) 1,2-Dichloropropane	9.39	63	79165	20.724	ug/l	96
46) Dibromomethane	9.48	93	44197	20.752	ug/l	98
47) Bromodichloromethane	9.67	83	117479	20.730	ug/l	98
48) Methyl methacrylate	9.46	41	43719	20.261	ug/l	92
49) 1,4-Dioxane	9.47	88	9858	401.429	ug/l	97
51) 4-Methyl-2-Pentanone	10.23	43	232771	102.765	ug/l	100
52) Toluene	10.41	92	212929	20.286	ug/l	99
53) t-1,3-Dichloropropene	10.62	75	110651	20.942	ug/l	99
54) cis-1,3-Dichloropropene	10.09	75	129753	20.827	ug/l	95
55) 1,1,2-Trichloroethane	10.80	97	58714	20.457	ug/l	96
56) Ethyl methacrylate	10.67	69	71679	19.997	ug/l	97
57) 1,3-Dichloropropane	10.95	76	102277	20.696	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	143178	104.842	ug/l	99
59) 2-Hexanone	10.99	43	160817	104.606	ug/l	100
60) Dibromochloromethane	11.14	129	81152	20.446	ug/l	97
61) 1,2-Dibromoethane	11.25	107	57776	20.409	ug/l	99
64) Tetrachloroethene	10.87	164	83673	20.243	ug/l	98
65) Chlorobenzene	11.67	112	225286	20.147	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.74	131	87005	20.639	ug/l	98
67) Ethyl Benzene	11.75	91	405847	19.996	ug/l	96
68) m/p-Xylenes	11.86	106	311161	39.719	ug/l	98
69) o-Xylene	12.18	106	138642	19.593	ug/l	96
70) Styrene	12.20	104	249961	20.125	ug/l	99
71) Bromoform	12.37	173	48887	20.335	ug/l #	99
73) Isopropylbenzene	12.48	105	388035	20.138	ug/l	99
74) N-amyl acetate	12.30	43	85165	20.676	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	64026	21.152	ug/l	98
76) 1,2,3-Trichloropropane	12.79	75	40297m	18.925	ug/l	
77) Bromobenzene	12.77	156	95775	20.228	ug/l	97
78) n-propylbenzene	12.83	91	456154	20.292	ug/l	100
79) 2-Chlorotoluene	12.91	91	249020	20.165	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	315510	19.933	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.53	75	20691	20.324	ug/l	96
82) 4-Chlorotoluene	13.01	91	269069	20.474	ug/l	99
83) tert-Butylbenzene	13.23	119	278419	20.259	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	319073	20.240	ug/l	98
85) sec-Butylbenzene	13.41	105	378677	20.098	ug/l	98
86) p-Isopropyltoluene	13.53	119	354970	19.703	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	182778	20.250	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	177478	20.016	ug/l	97
89) n-Butylbenzene	13.85	91	332428	20.490	ug/l	99
90) Hexachloroethane	14.12	117	70295	20.426	ug/l	94
91) 1,2-Dichlorobenzene	13.90	146	155537	20.209	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.52	75	10260	20.909	ug/l	91

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ClientSampleId :
VD0103SBSD01

Manual Integrations
APPROVED

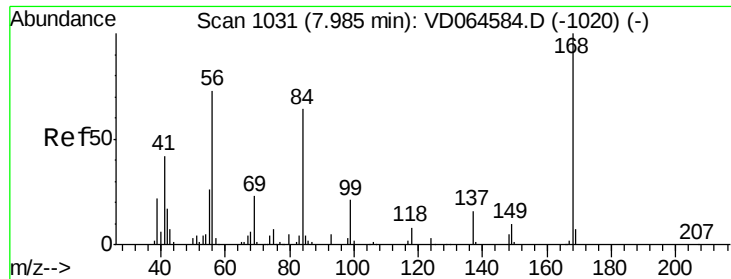
apatel

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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.18	180	111496	19.675	ug/l	100
94) Hexachlorobutadiene	15.28	225	69942	19.613	ug/l	98
95) Naphthalene	15.41	128	174323	19.444	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	95070	19.651	ug/l	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD064729.D

Acq: 03 Jan 2020 12:44

Instrument :

MSVOA_D

ClientSampleId :

VD0103SBSD01

Tgt Ion: 168 Resp: 421929

Ion Ratio Lower Upper

168 100

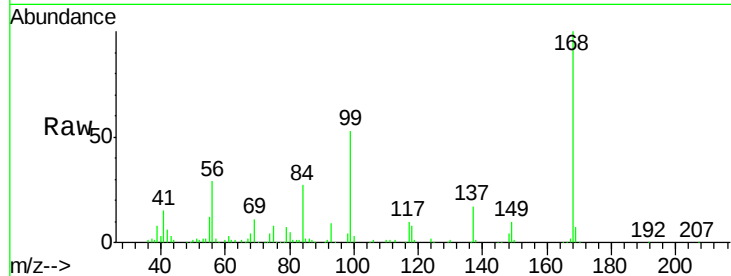
99 52.6 41.8 62.6

Manual Integrations

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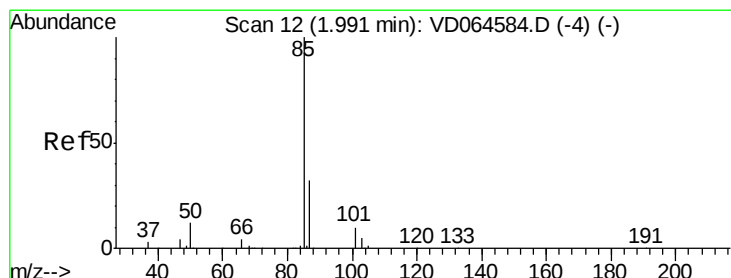
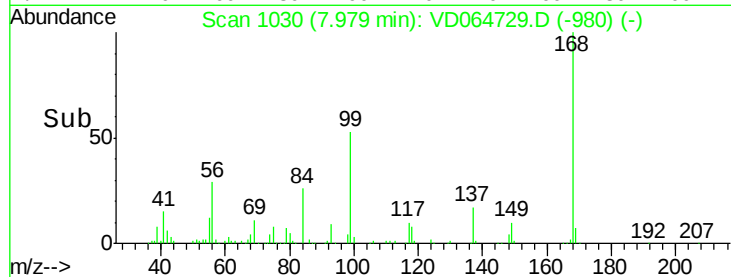
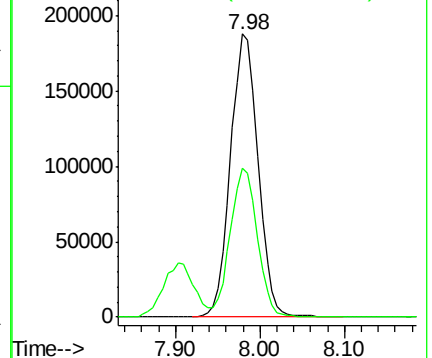
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 19.734 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD064729.D

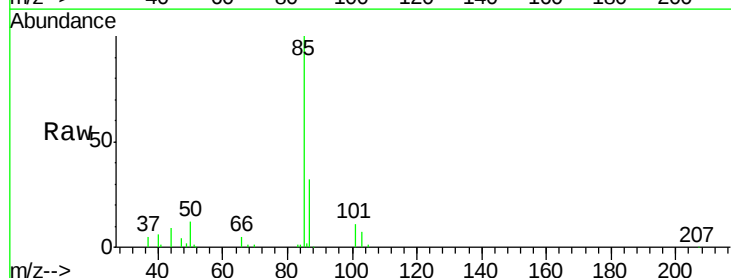
Acq: 03 Jan 2020 12:44

Tgt Ion: 85 Resp: 64709

Ion Ratio Lower Upper

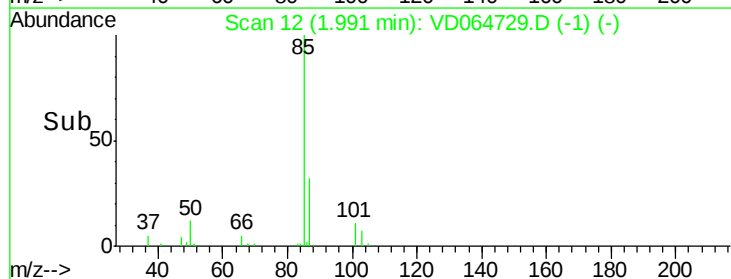
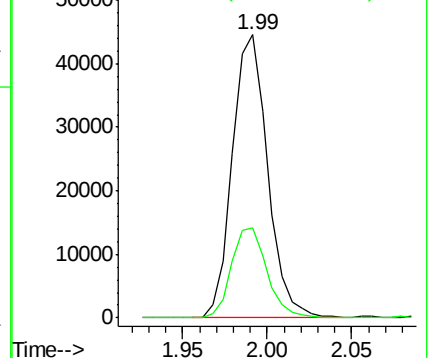
85 100

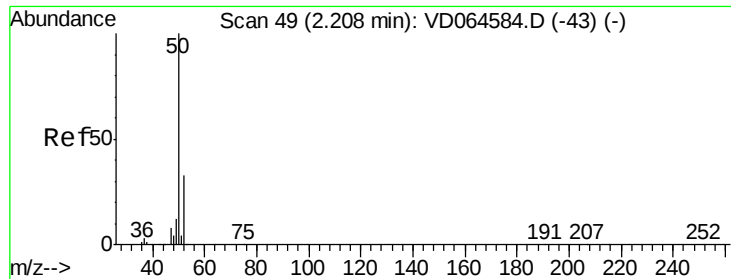
87 31.8 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 20.875 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD064729.D

Acq: 03 Jan 2020 12:44

Instrument :

MSVOA_D

ClientSampleId :

VD0103SBSD01

Tgt Ion: 50 Resp: 95730

Ion Ratio Lower Upper

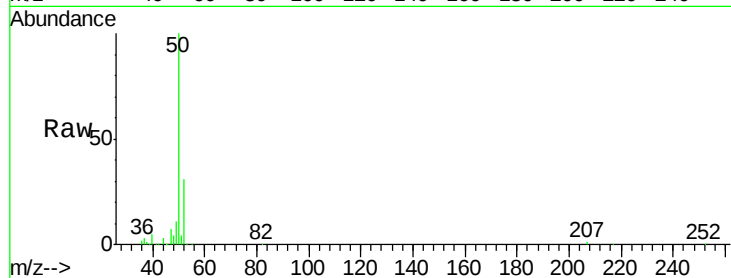
50 100

52 30.6 26.5 39.7

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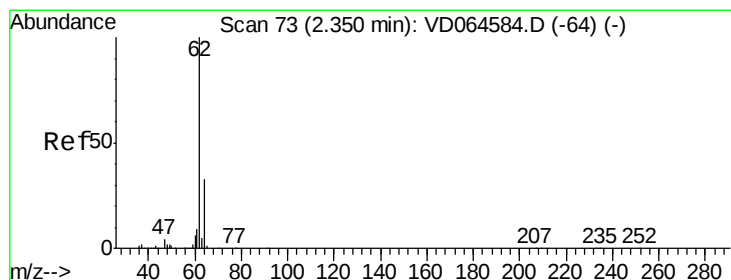
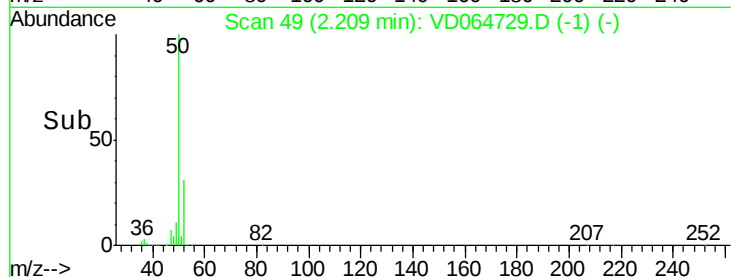
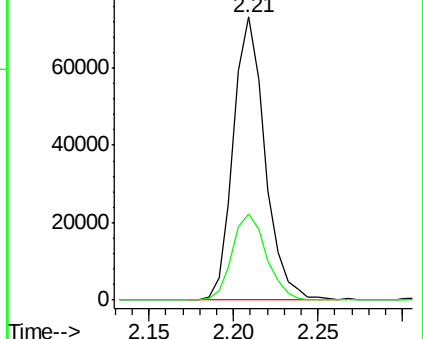
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Abundance Ion 49.90 (49.60 to 50.60): VD064584.D (-43) (-)

Ion 51.90 (51.60 to 52.60): VD064584.D (-43) (-)



#4

Vinyl Chloride

Concen: 20.357 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD064729.D

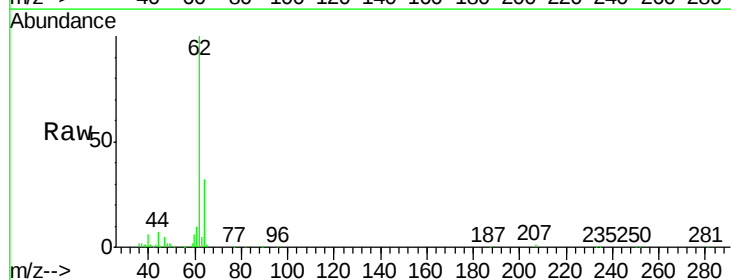
Acq: 03 Jan 2020 12:44

Tgt Ion: 62 Resp: 113823

Ion Ratio Lower Upper

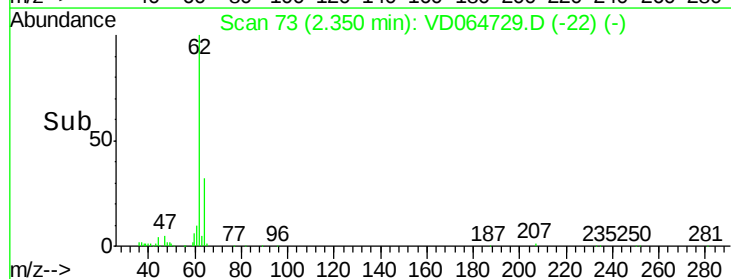
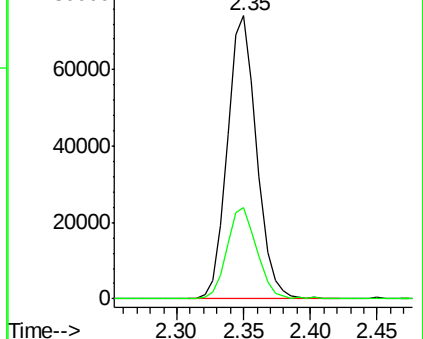
62 100

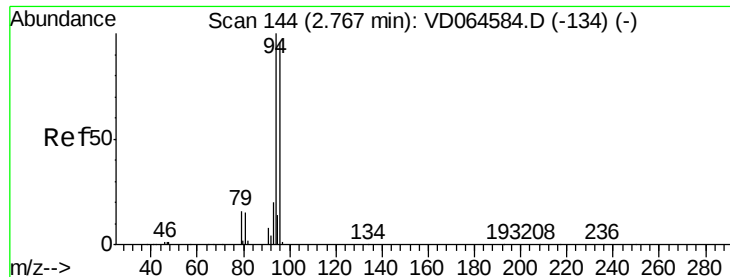
64 32.2 26.6 40.0



Abundance Ion 61.90 (61.60 to 62.60): VD064584.D (-64) (-)

Ion 63.90 (63.60 to 64.60): VD064584.D (-64) (-)





#5

Bromomethane

Concen: 19.819 ug/l

RT: 2.76 min Scan# 142

Delta R.T. -0.01 min

Lab File: VD064729.D

Acq: 03 Jan 2020 12:44

Instrument :

MSVOA_D

ClientSampleId :

VD0103SBSD01

Tgt Ion: 94 Resp: 80573

Ion Ratio Lower Upper

94 100

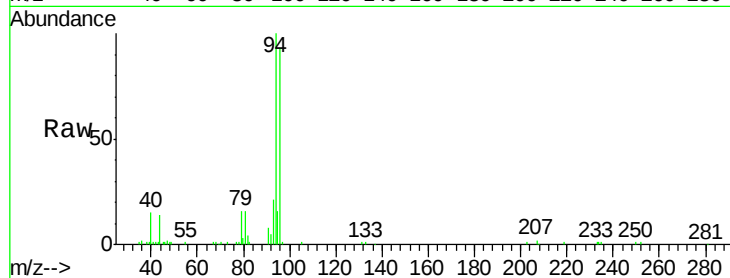
96 92.9 77.2 115.8

Manual Integrations

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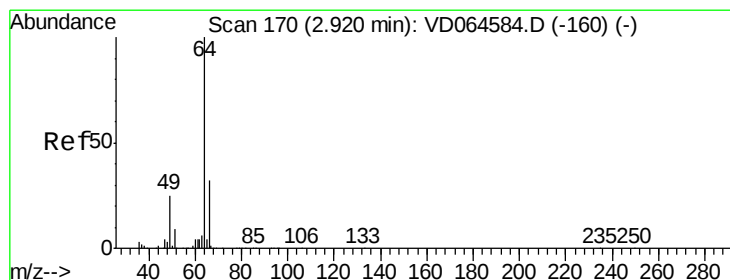
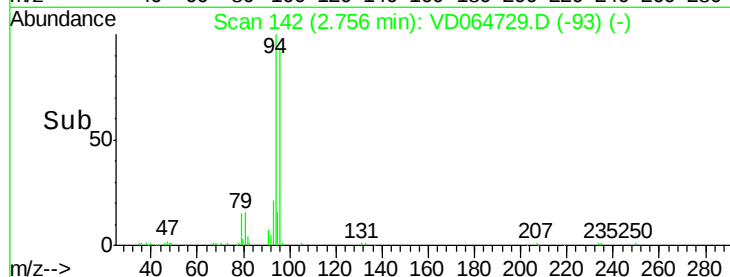
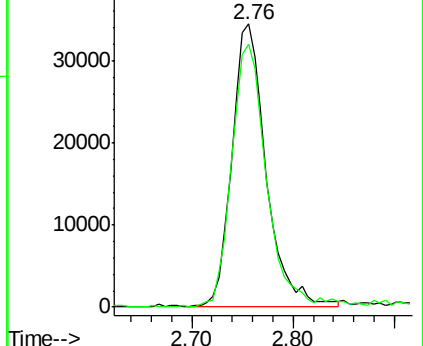
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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 20.908 ug/l

RT: 2.91 min Scan# 169

Delta R.T. -0.01 min

Lab File: VD064729.D

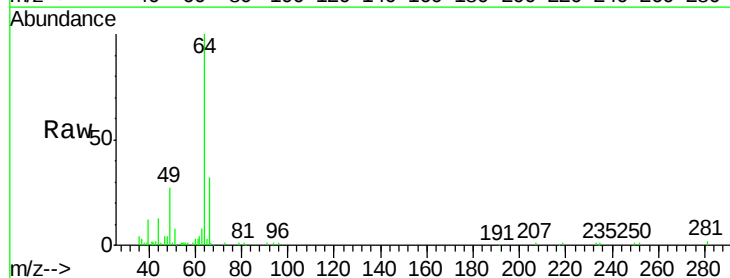
Acq: 03 Jan 2020 12:44

Tgt Ion: 64 Resp: 78334

Ion Ratio Lower Upper

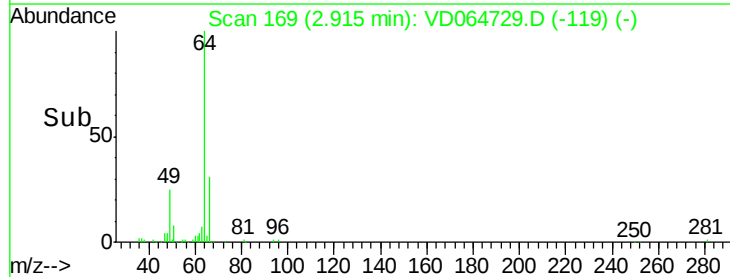
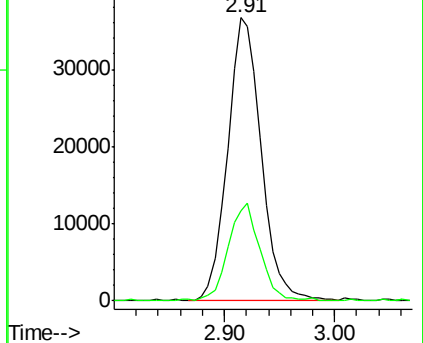
64 100

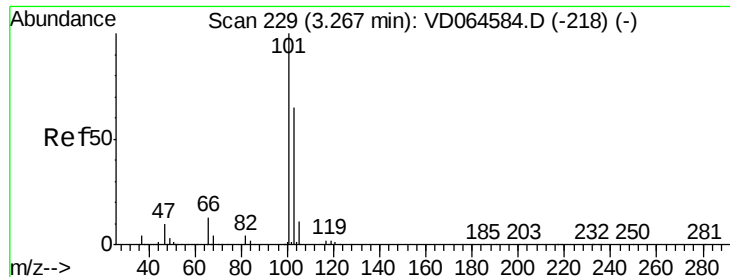
66 31.7 25.9 38.9



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

Trichlorofluoromethane
Concen: 20.592 ug/l
RT: 3.27 min Scan# 229
Delta R.T. 0.00 min
Lab File: VD064729.D
Acq: 03 Jan 2020 12:44

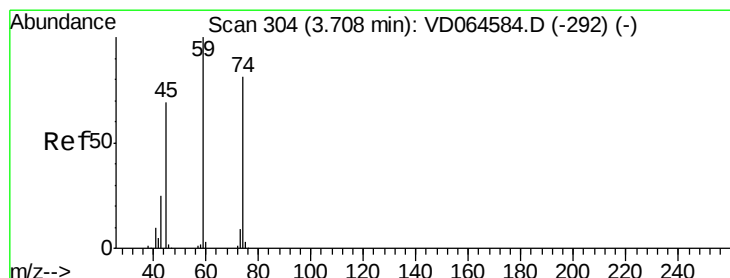
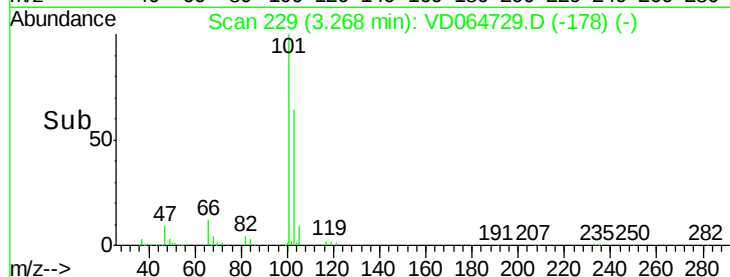
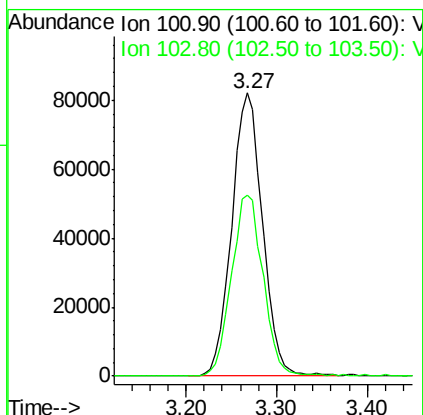
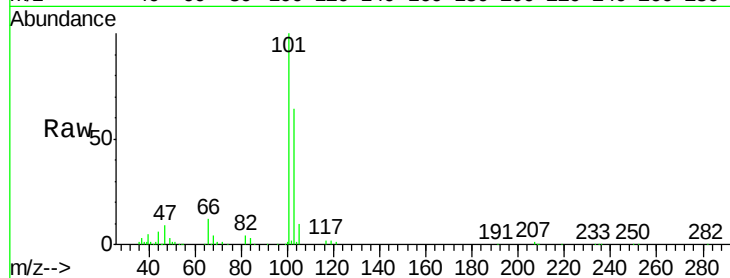
Instrument :
MSVOA_D
ClientSampleId :
VD0103SBSD01

Tgt Ion	Ratio	Resp	Lower	Upper
101	100	193864		
103	63.9	52.2	78.4	

Manual Integrations
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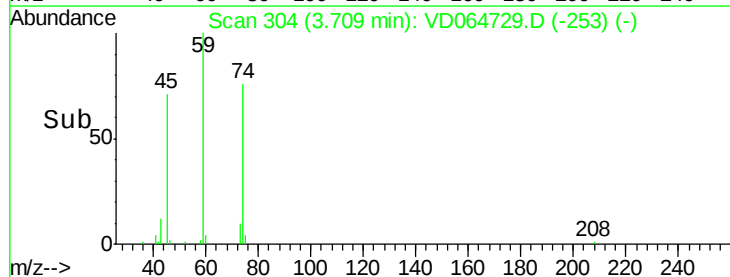
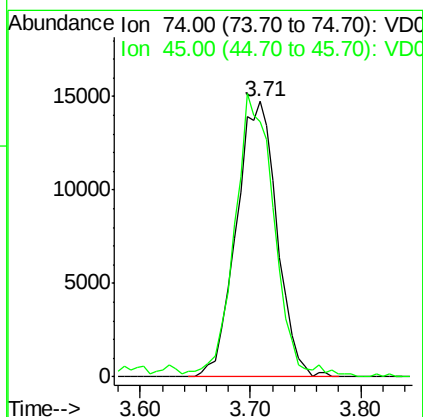
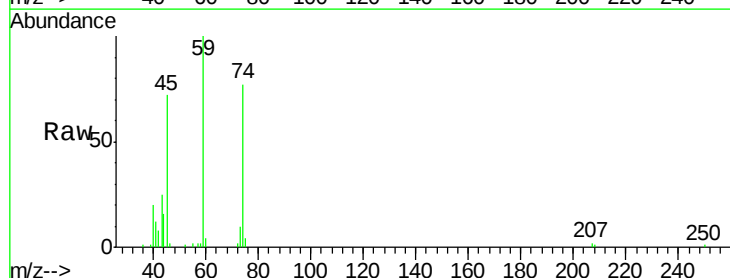
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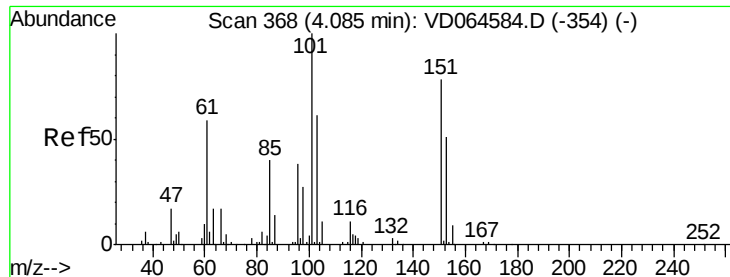


#8

Diethyl Ether
Concen: 20.333 ug/l
RT: 3.71 min Scan# 304
Delta R.T. 0.00 min
Lab File: VD064729.D
Acq: 03 Jan 2020 12:44

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	38013		
45	92.7	47.5	142.5	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.232 ug/l

RT: 4.08 min Scan# 367

Delta R.T. -0.01 min

Lab File: VD064729.D

Acq: 03 Jan 2020 12:44

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ClientSampleId :

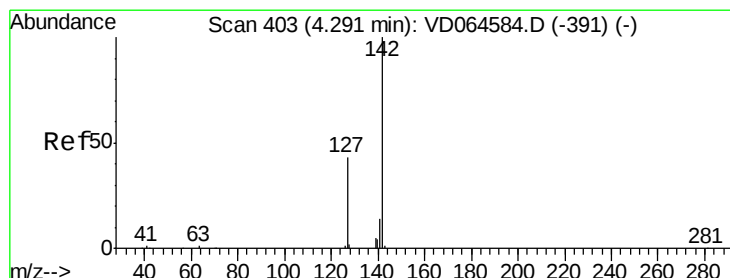
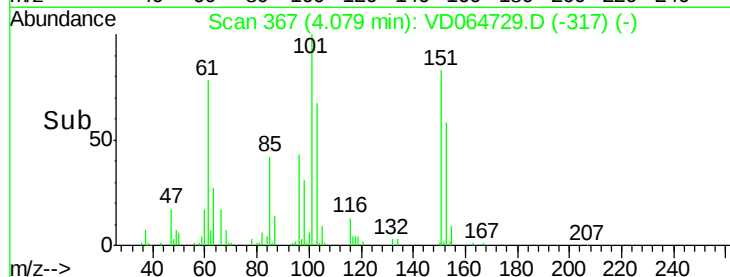
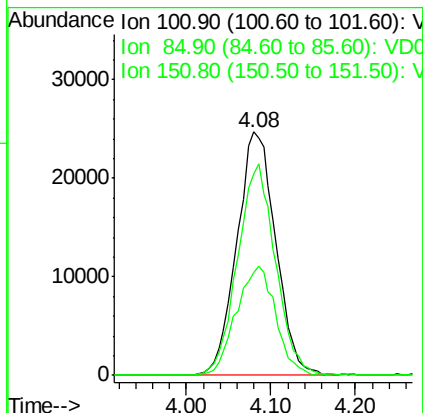
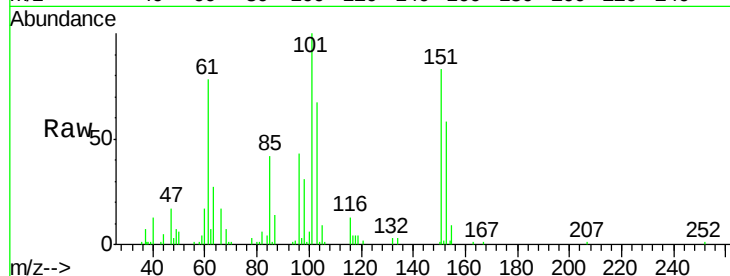
VD0103SBSD01

Tgt Ion:	101	Resp:	78885
Ion Ratio	Lower	Upper	
101	100		
85	45.3	35.2	52.8
151	84.6	66.2	99.4

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#10

Methyl Iodide

Concen: 18.933 ug/l

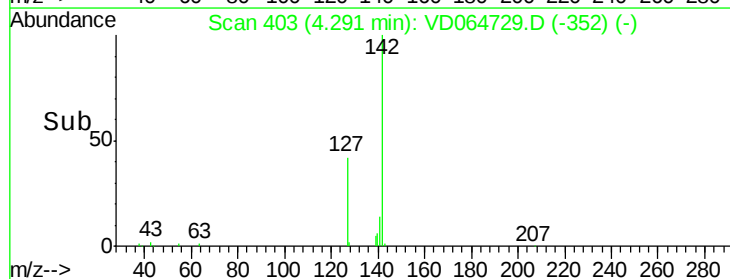
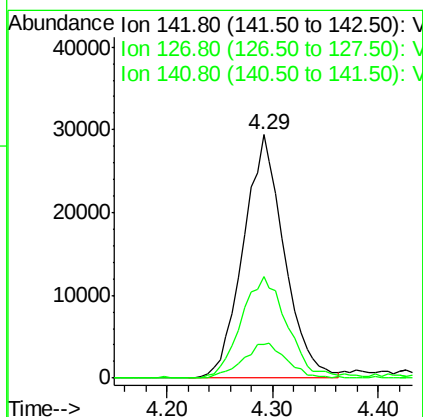
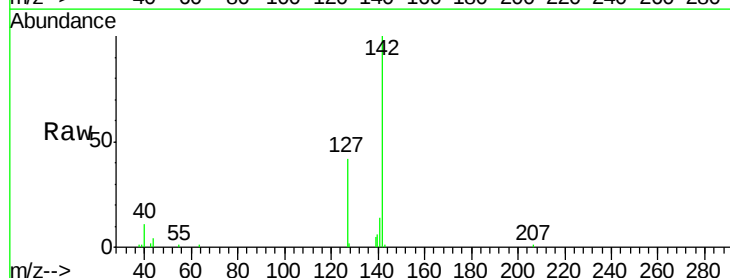
RT: 4.29 min Scan# 403

Delta R.T. 0.00 min

Lab File: VD064729.D

Acq: 03 Jan 2020 12:44

Tgt Ion:	142	Resp:	79294
Ion Ratio	Lower	Upper	
142	100		
127	47.0	36.2	54.4
141	15.3	11.8	17.8





#11
Tert butyl alcohol
Concen: 92.349 ug/l m
RT: 5.26 min Scan# 568
Delta R.T. 0.01 min
Lab File: VD064729.D
Acq: 03 Jan 2020 12:44

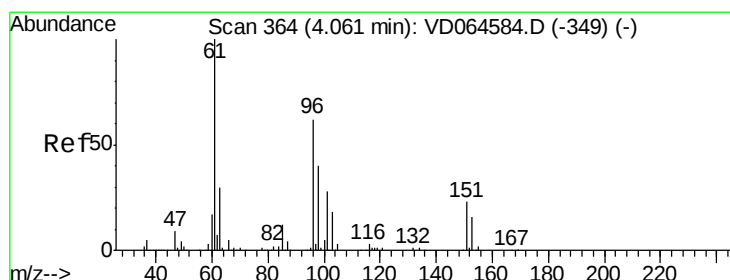
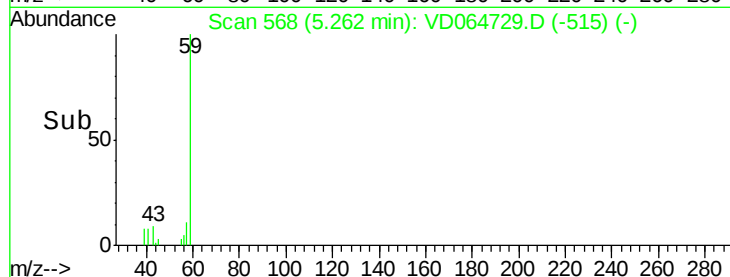
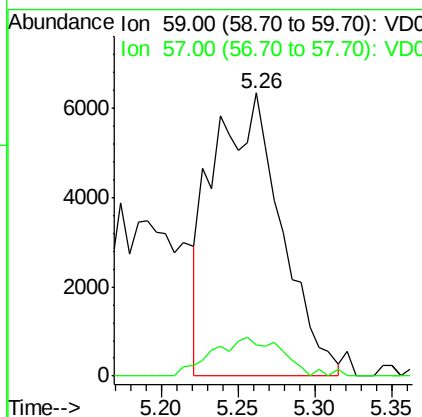
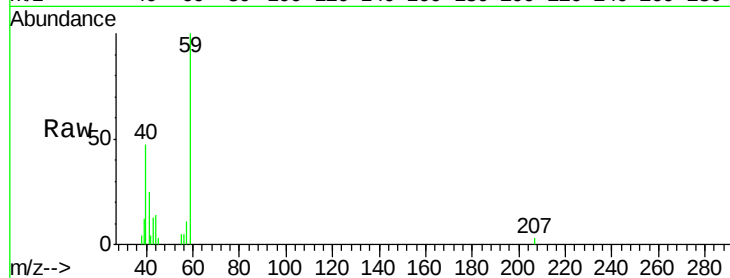
Instrument :
MSVOA_D
ClientSampleId :
VD0103SBSD01

Tgt Ion: 59 Resp: 19691
Ion Ratio Lower Upper
59 100
57 13.4 9.3 13.9

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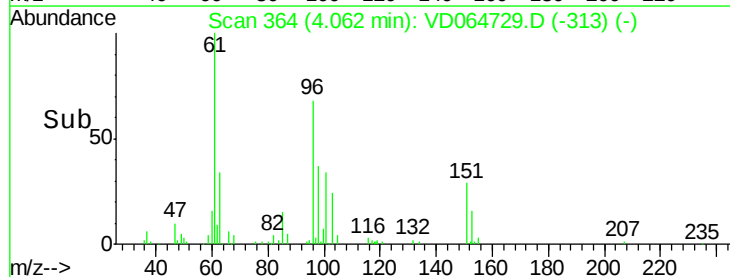
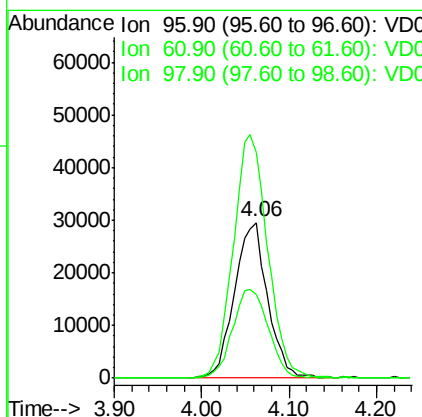
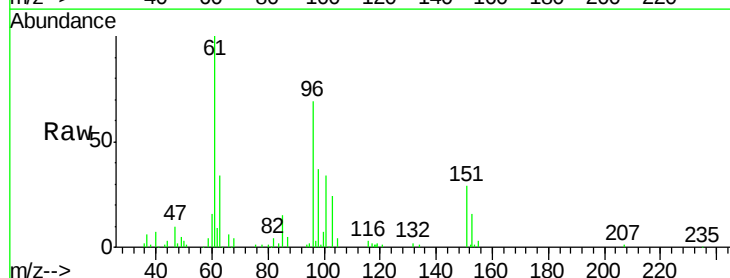
apatel

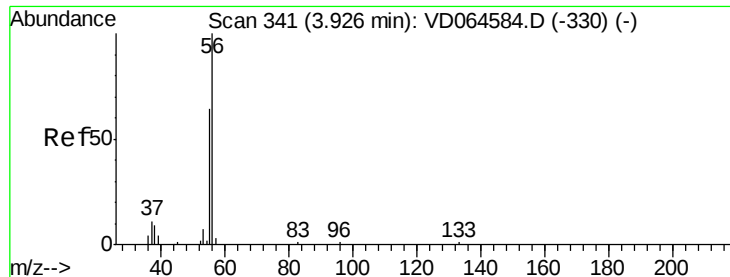
1/6/2020 10:49:53 AM



#12
1,1-Dichloroethene
Concen: 20.384 ug/l
RT: 4.06 min Scan# 364
Delta R.T. 0.00 min
Lab File: VD064729.D
Acq: 03 Jan 2020 12:44

Tgt Ion: 96 Resp: 75666
Ion Ratio Lower Upper
96 100
61 145.3 129.4 194.0
98 53.9 51.4 77.0





#13

Acrolein

Concen: 85.270 ug/l

RT: 3.93 min Scan# 341

Delta R.T. 0.00 min

Lab File: VD064729.D

Acq: 03 Jan 2020 12:44

Instrument :

MSVOA_D

ClientSampleId :

VD0103SBSD01

Tgt Ion: 56 Resp: 25339

Ion Ratio Lower Upper

56 100

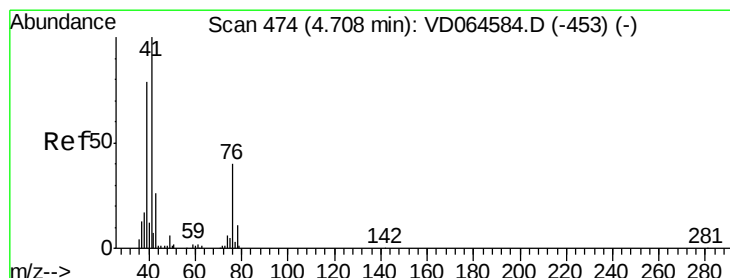
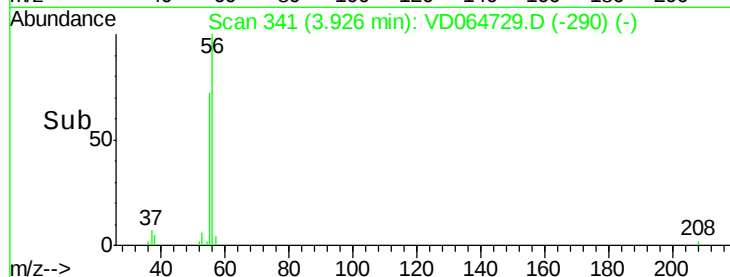
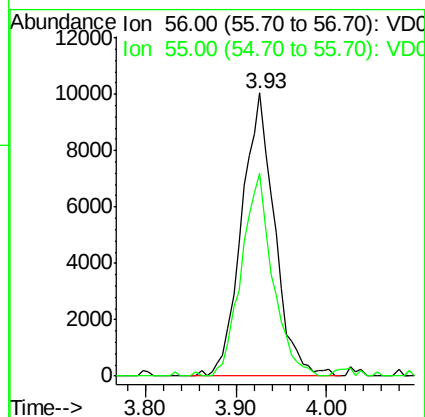
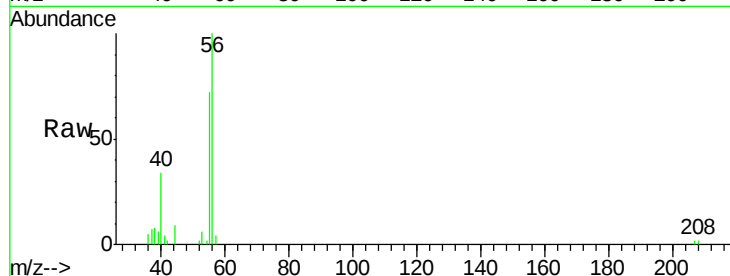
55 67.7 56.7 85.1

Manual Integrations

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#14

Allyl chloride

Concen: 20.118 ug/l

RT: 4.71 min Scan# 474

Delta R.T. 0.00 min

Lab File: VD064729.D

Acq: 03 Jan 2020 12:44

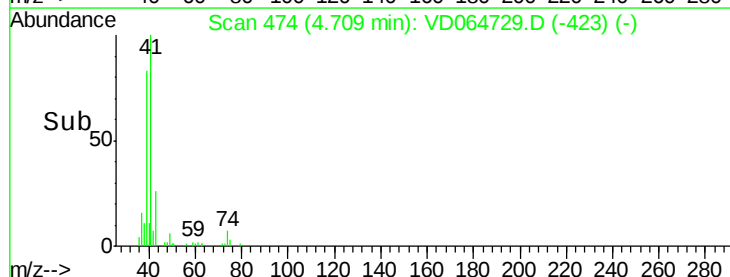
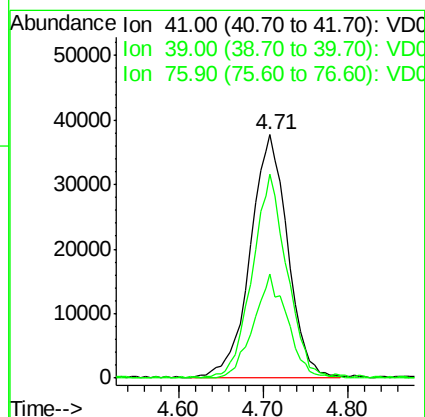
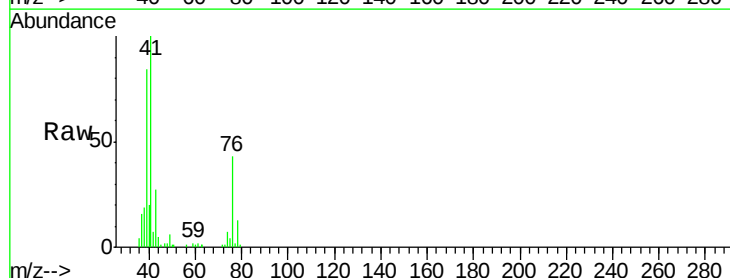
Tgt Ion: 41 Resp: 116437

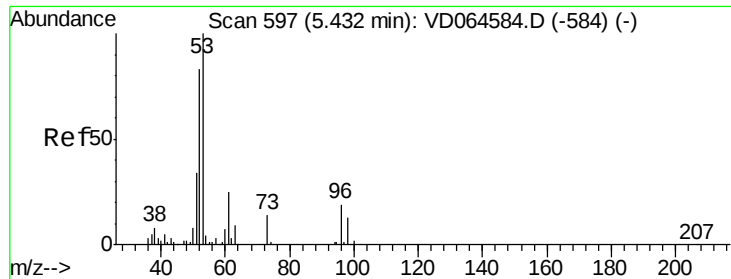
Ion Ratio Lower Upper

41 100

39 77.6 62.3 93.5

76 38.7 29.7 44.5





#15
Acrylonitrile
Concen: 103.419 ug/l
RT: 5.43 min Scan# 596
Delta R.T. -0.01 min
Lab File: VD064729.D
Acq: 03 Jan 2020 12:44

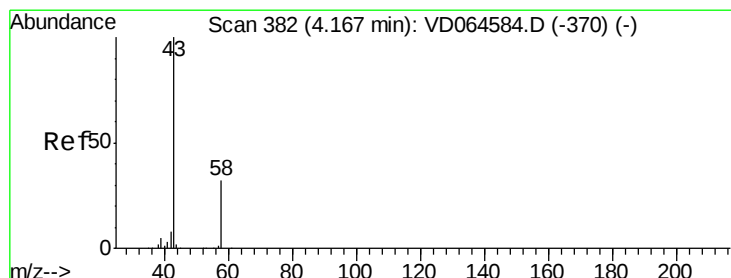
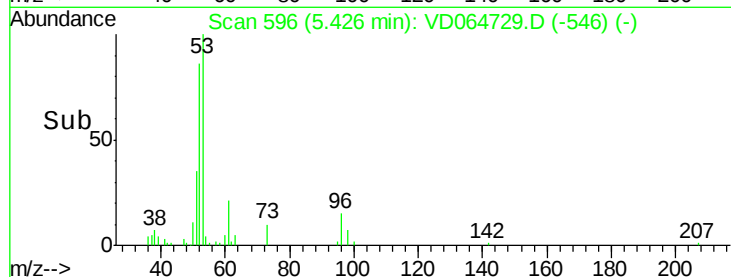
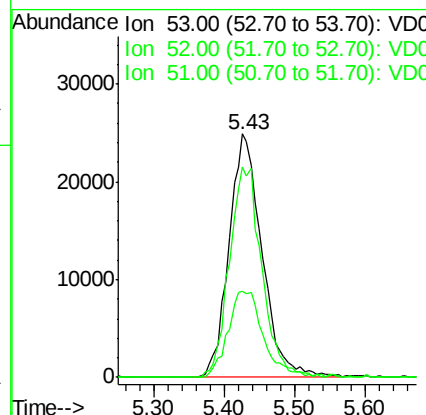
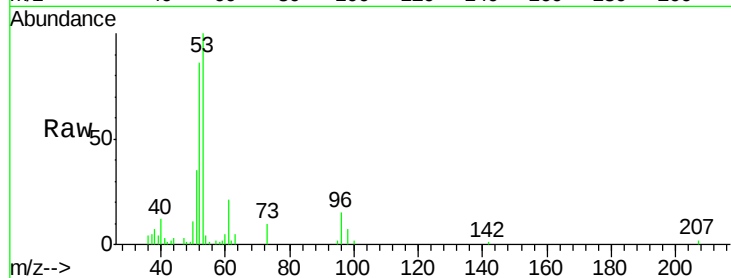
Instrument :
MSVOA_D
ClientSampleId :
VD0103SBSD01

Tgt Ion	Ratio	Lower	Upper
53	100		
52	84.7	66.2	99.2
51	38.2	30.1	45.1

Manual Integrations
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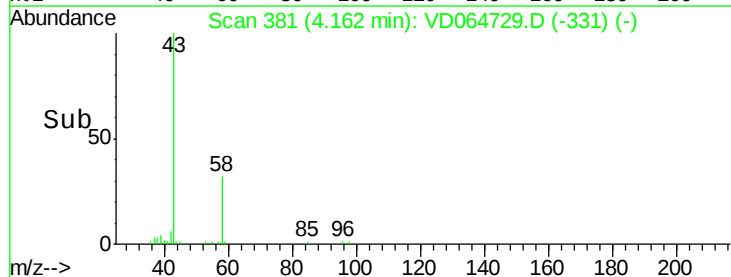
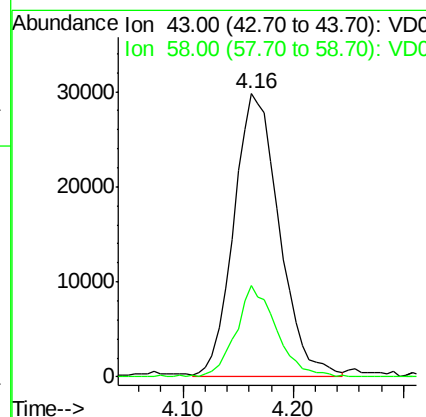
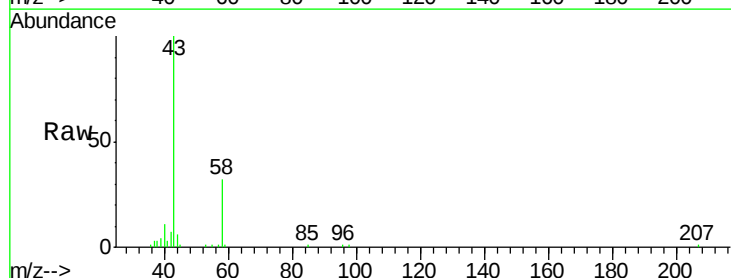
apatel

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#16
Acetone
Concen: 105.171 ug/l
RT: 4.16 min Scan# 381
Delta R.T. -0.01 min
Lab File: VD064729.D
Acq: 03 Jan 2020 12:44

Tgt Ion	Ratio	Lower	Upper
43	100		
58	31.9	25.8	38.6





#17

Carbon Disulfide

Concen: 19.302 ug/l

RT: 4.39 min Scan# 420

Delta R.T. -0.01 min

Lab File: VD064729.D

Acq: 03 Jan 2020 12:44

Instrument :

MSVOA_D

ClientSampleId :

VD0103SBSD01

Tgt Ion: 76 Resp: 231677

Ion Ratio Lower Upper

76 100

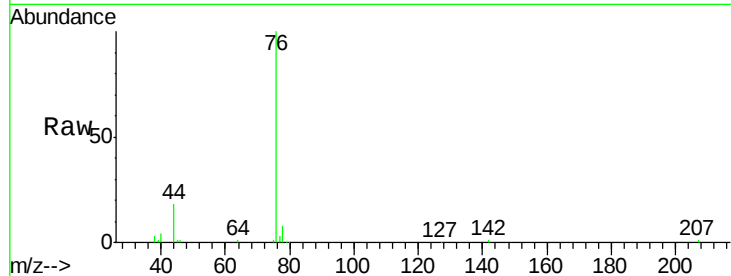
78 8.5 7.3 10.9

Manual Integrations

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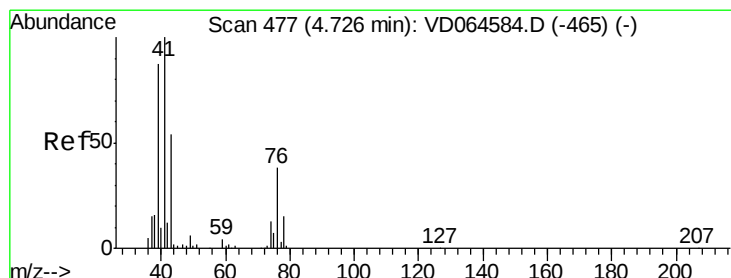
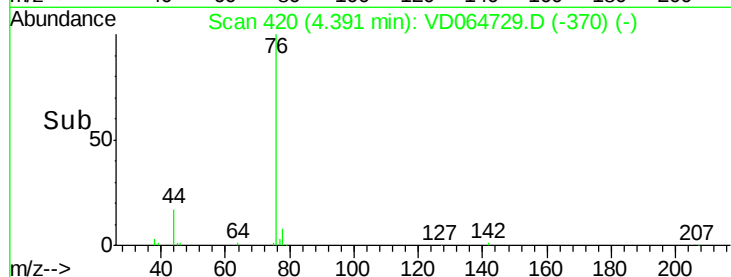
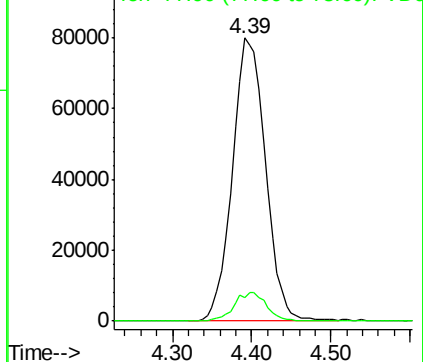
apatel

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Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#18

Methyl Acetate

Concen: 21.046 ug/l

RT: 4.73 min Scan# 477

Delta R.T. 0.00 min

Lab File: VD064729.D

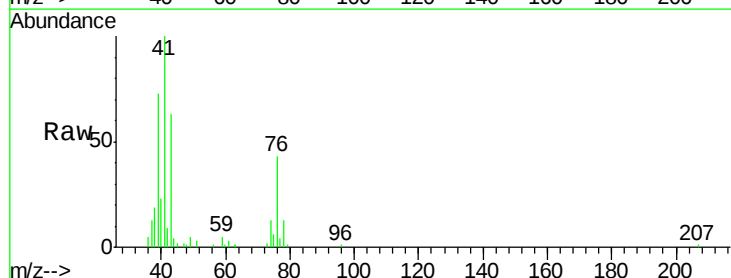
Acq: 03 Jan 2020 12:44

Tgt Ion: 43 Resp: 44084

Ion Ratio Lower Upper

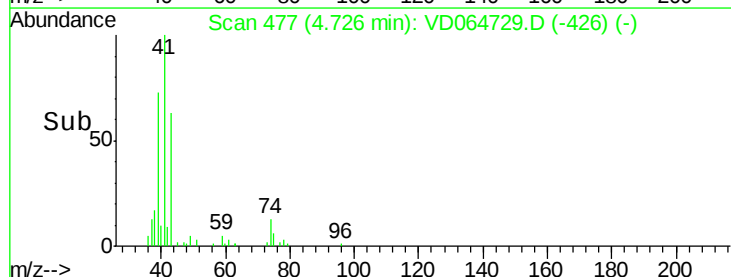
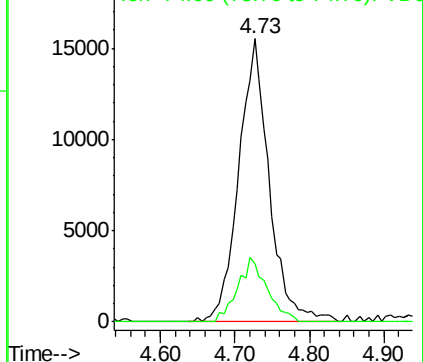
43 100

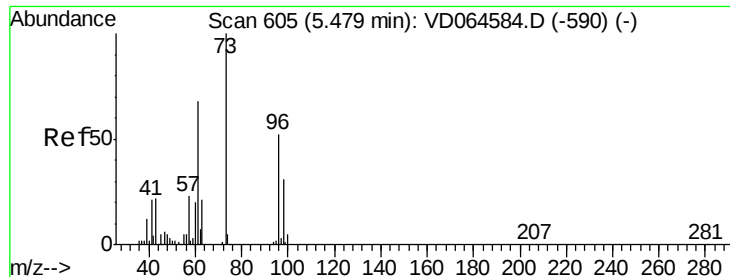
74 21.9 19.2 28.8



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC





#19

Methyl tert-butyl Ether
 Concen: 20.658 ug/l
 RT: 5.48 min Scan# 605
 Delta R.T. 0.00 min
 Lab File: VD064729.D
 Acq: 03 Jan 2020 12:44

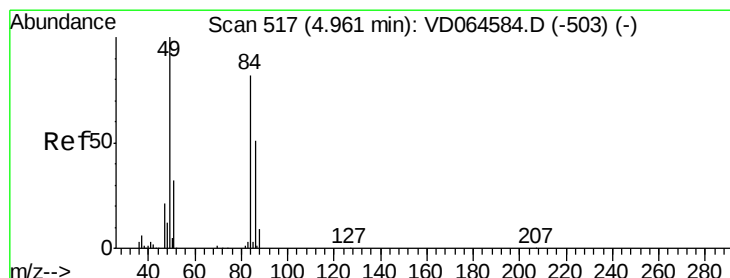
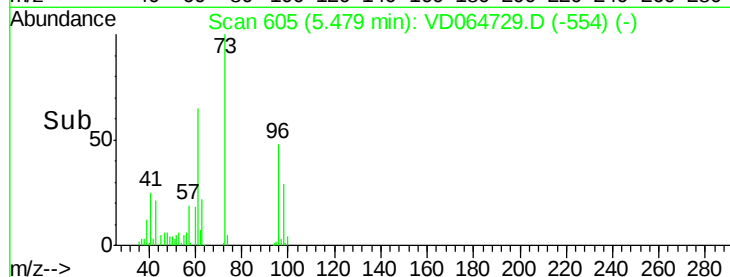
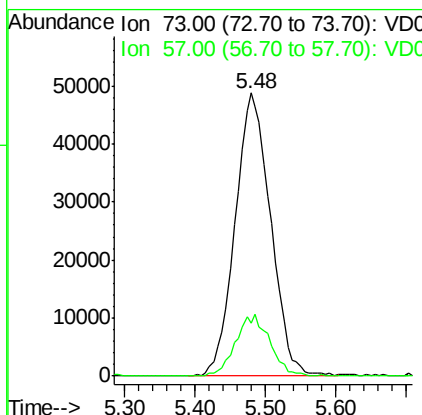
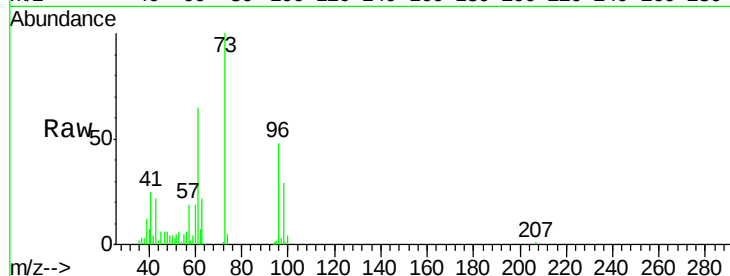
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0103SBSD01

Tgt Ion: 73 Resp: 170326
 Ion Ratio Lower Upper
 73 100
 57 18.9 18.6 27.8

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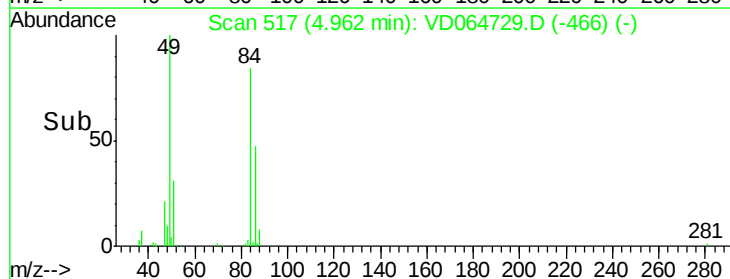
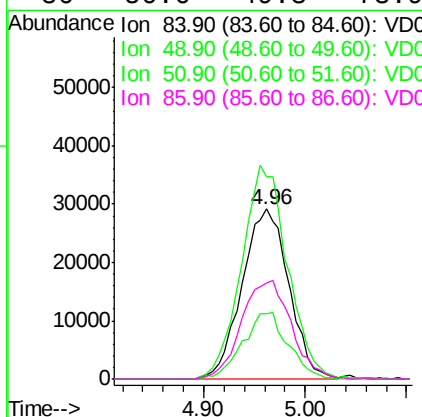
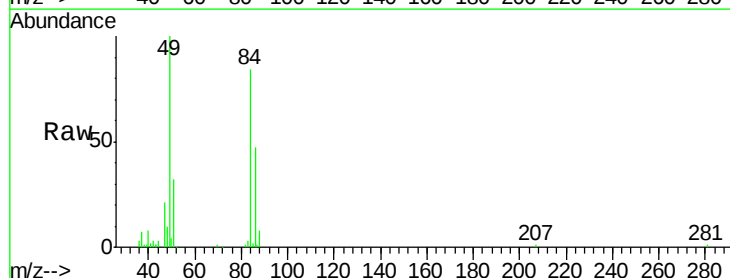
1/6/2020 10:49:53 AM

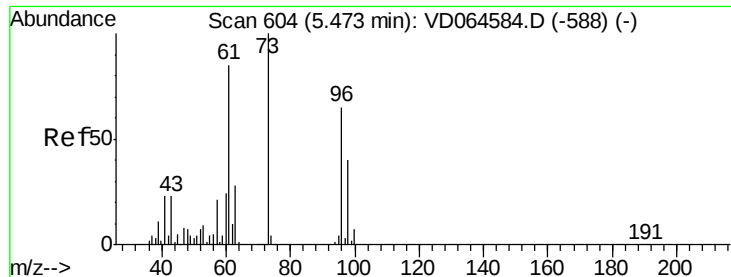


#20

Methylene Chloride
 Concen: 21.748 ug/l
 RT: 4.96 min Scan# 517
 Delta R.T. 0.00 min
 Lab File: VD064729.D
 Acq: 03 Jan 2020 12:44

Tgt Ion: 84 Resp: 93260
 Ion Ratio Lower Upper
 84 100
 49 119.2 97.2 145.8
 51 38.3 31.4 47.0
 86 56.6 49.3 73.9





#21

trans-1,2-Dichloroethene

Concen: 20.487 ug/l

RT: 5.47 min Scan# 604

Delta R.T. 0.00 min

Lab File: VD064729.D

Acq: 03 Jan 2020 12:44

Instrument :

MSVOA_D

ClientSampleId :

VD0103SBSD01

Tgt Ion: 96 Resp: 86608

Ion Ratio Lower Upper

96 100

61 115.4 104.7 157.1

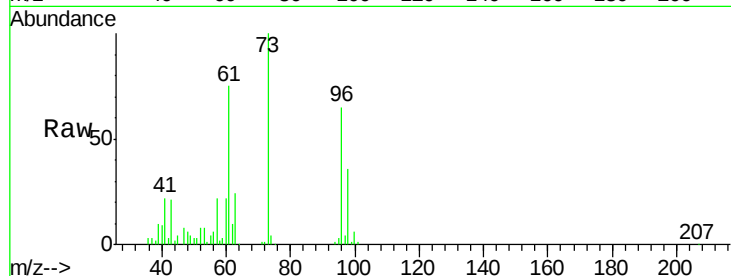
98 55.4 49.4 74.2

Manual Integrations

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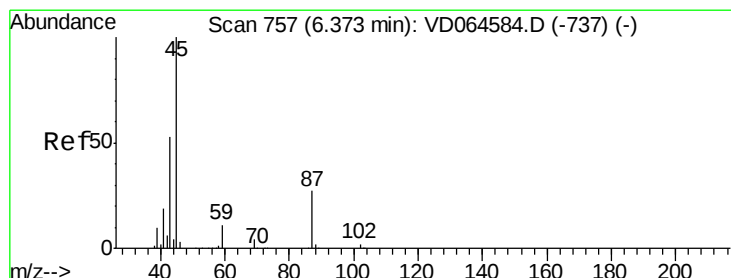
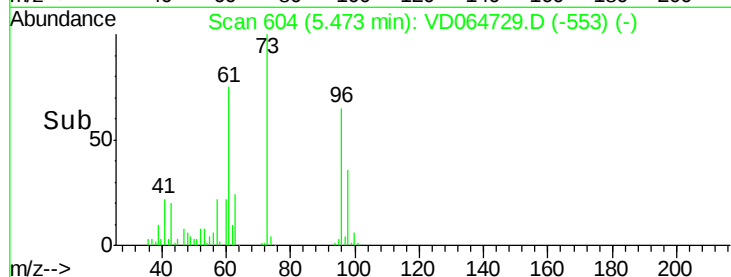
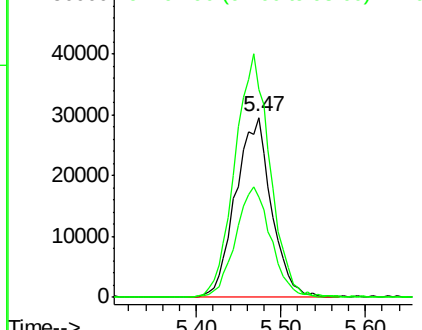
1/6/2020 10:49:53 AM



Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.90 (60.60 to 61.60): VDC

Ion 97.90 (97.60 to 98.60): VDC



#22

Diisopropyl ether

Concen: 21.039 ug/l

RT: 6.37 min Scan# 756

Delta R.T. -0.01 min

Lab File: VD064729.D

Acq: 03 Jan 2020 12:44

Tgt Ion: 45 Resp: 242865

Ion Ratio Lower Upper

45 100

43 54.0 43.2 64.8

87 26.5 21.9 32.9

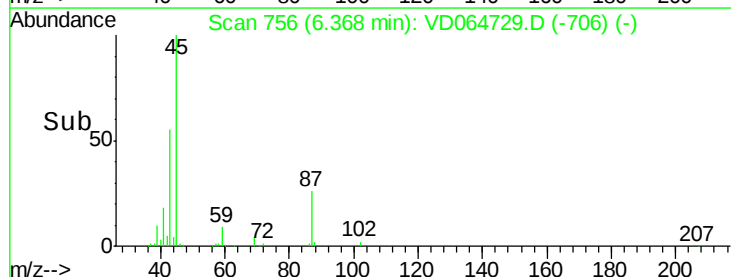
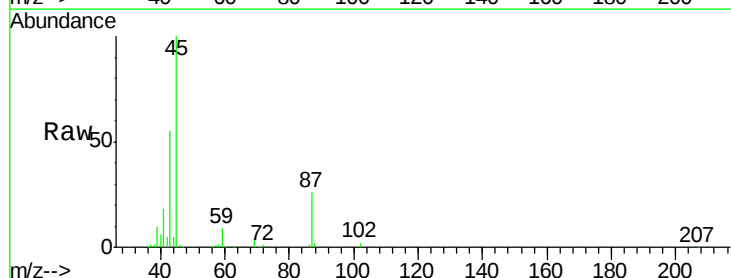
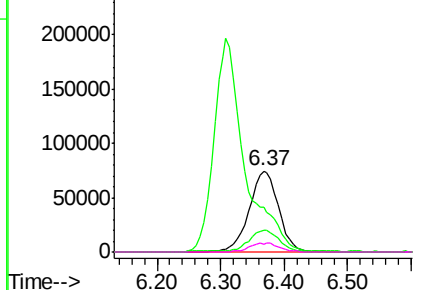
59 9.1 9.0 13.4

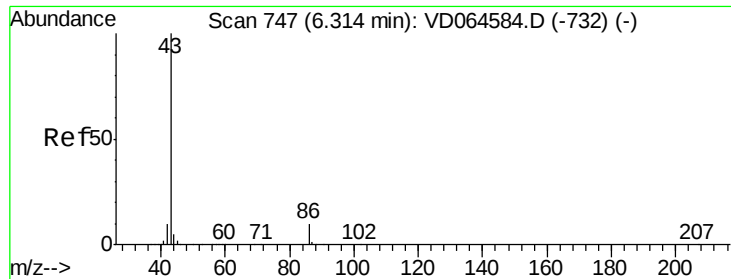
Abundance Ion 45.00 (44.70 to 45.70): VDC

Ion 43.00 (42.70 to 43.70): VDC

Ion 87.00 (86.70 to 87.70): VDC

Ion 59.00 (58.70 to 59.70): VDC





#23

Vinyl Acetate

Concen: 102.283 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.01 min

Lab File: VD064729.D

Acq: 03 Jan 2020 12:44

Instrument :

MSVOA_D

ClientSampleId :

VD0103SBSD01

Tgt Ion: 43 Resp: 669787

Ion Ratio Lower Upper

43 100

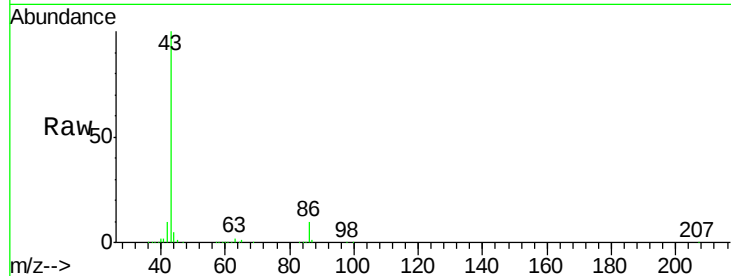
86 10.0 8.3 12.5

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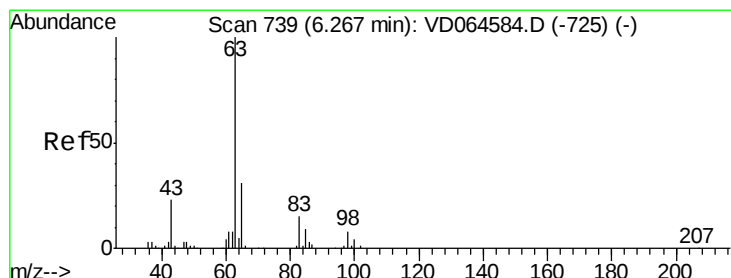
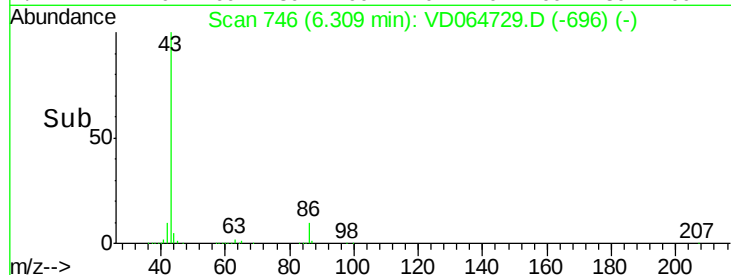
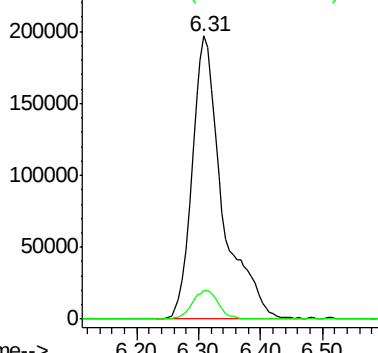
apatel

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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 20.878 ug/l

RT: 6.26 min Scan# 738

Delta R.T. -0.01 min

Lab File: VD064729.D

Acq: 03 Jan 2020 12:44

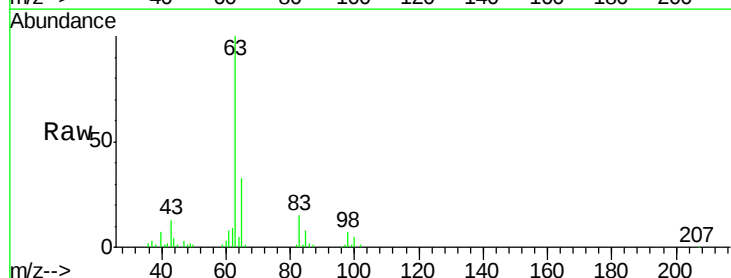
Tgt Ion: 63 Resp: 144690

Ion Ratio Lower Upper

63 100

98 7.5 4.1 12.3

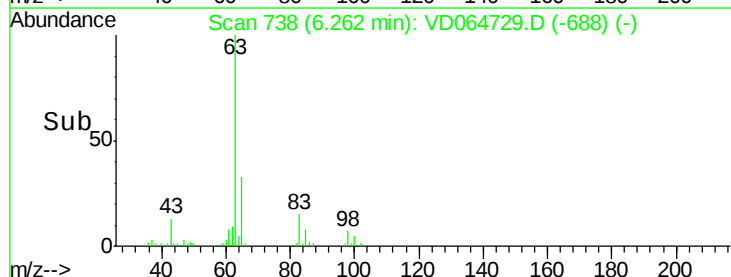
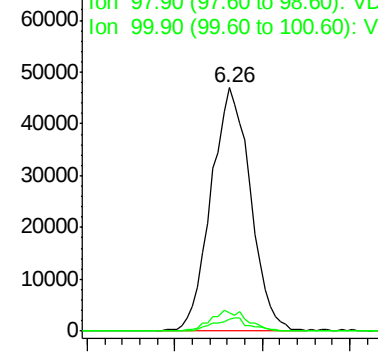
100 4.7 2.2 6.6

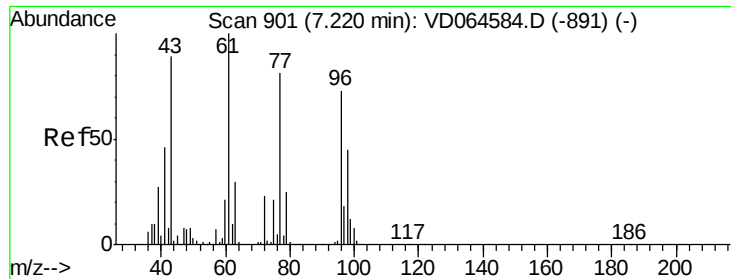


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 106.217 ug/l

RT: 7.22 min Scan# 901

Delta R.T. 0.00 min

Lab File: VD064729.D

Acq: 03 Jan 2020 12:44

Instrument :

MSVOA_D

ClientSampleId :

VD0103SBSD01

Tgt Ion: 43 Resp: 108626

Ion Ratio Lower Upper

43 100

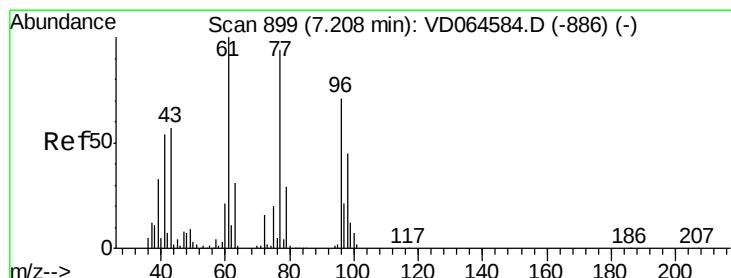
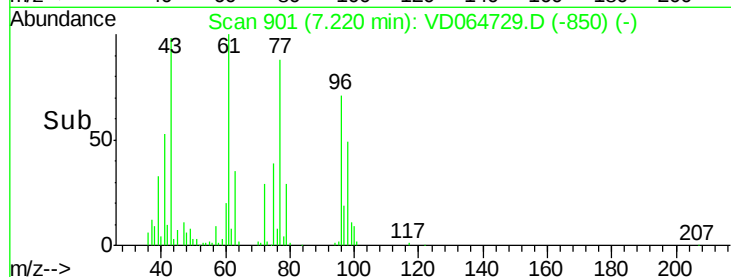
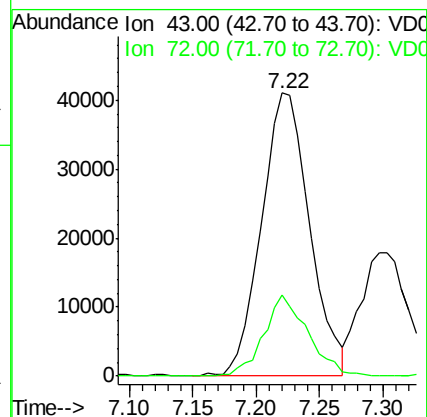
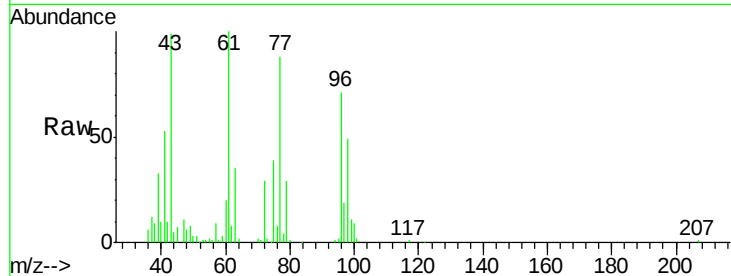
72 28.8 20.7 31.1

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#26

2,2-Dichloropropane

Concen: 20.650 ug/l

RT: 7.21 min Scan# 899

Delta R.T. 0.00 min

Lab File: VD064729.D

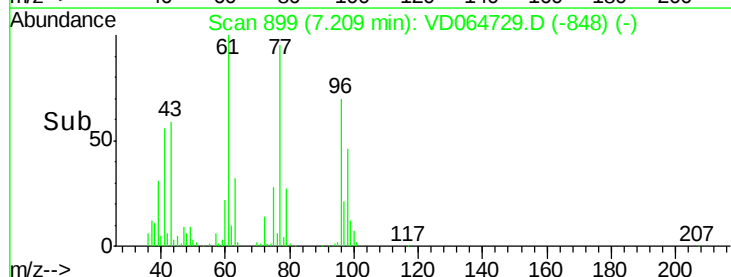
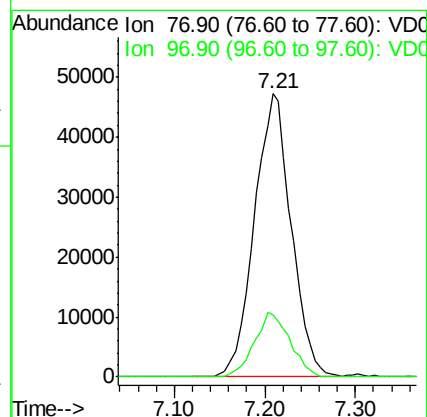
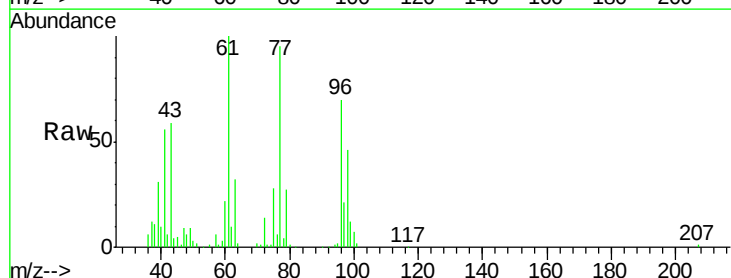
Acq: 03 Jan 2020 12:44

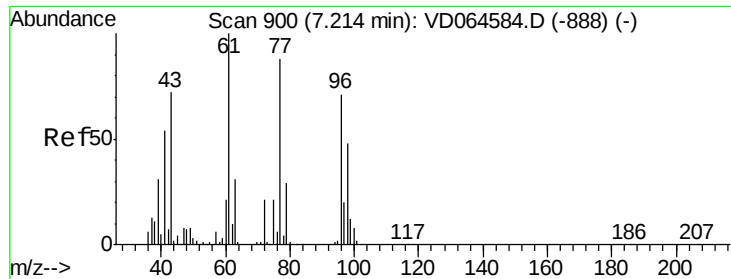
Tgt Ion: 77 Resp: 133052

Ion Ratio Lower Upper

77 100

97 21.8 11.2 33.6





#27

cis-1,2-Dichloroethene
Concen: 20.509 ug/l
RT: 7.21 min Scan# 900
Delta R.T. 0.00 min
Lab File: VD064729.D
Acq: 03 Jan 2020 12:44

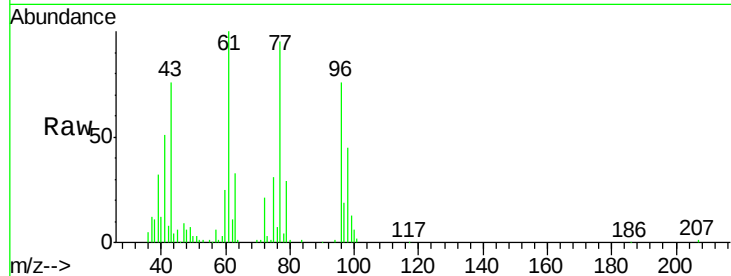
Instrument :
MSVOA_D
ClientSampleId :
VD0103SBSD01

Tgt Ion	Ratio	Lower	Upper
96	100		
61	141.5	0.0	282.6
98	64.5	0.0	130.8

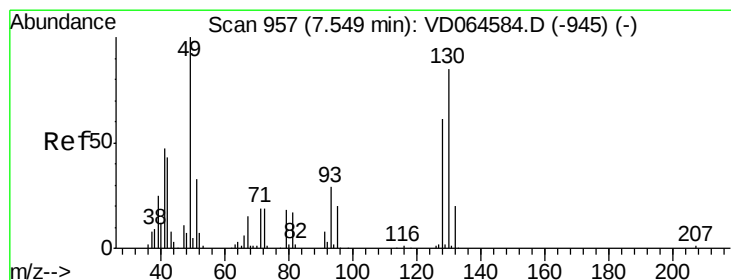
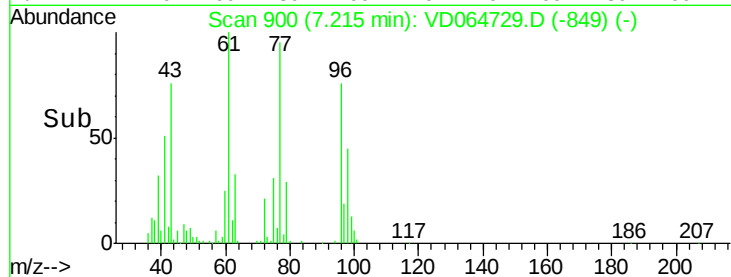
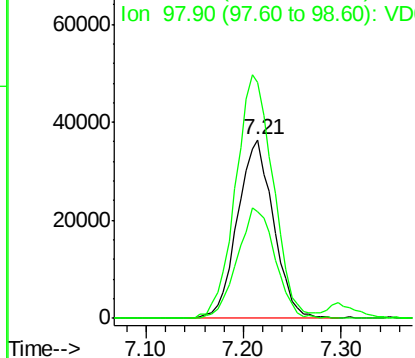
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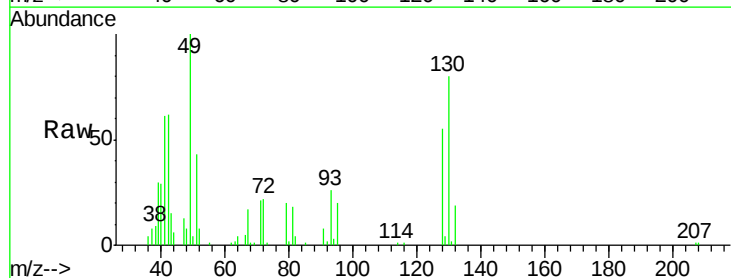
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.90 (60.60 to 61.60): VDC
Ion 97.90 (97.60 to 98.60): VDC



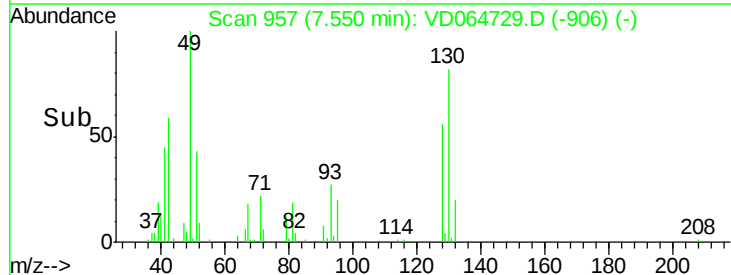
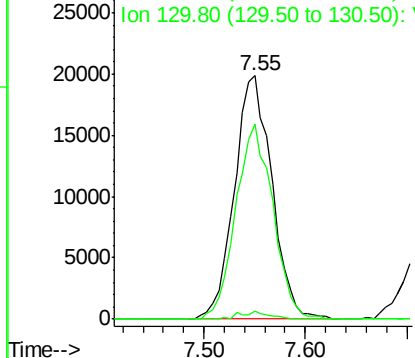
#28

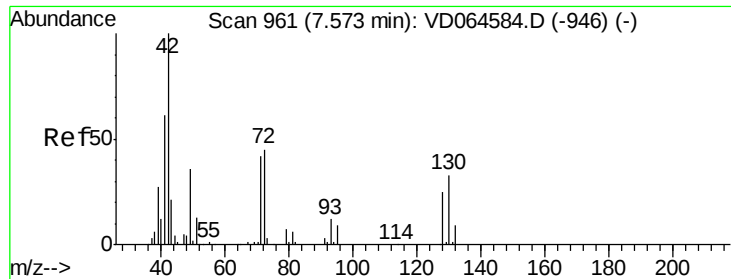
Bromochloromethane
Concen: 18.895 ug/l
RT: 7.55 min Scan# 957
Delta R.T. 0.00 min
Lab File: VD064729.D
Acq: 03 Jan 2020 12:44

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.5	0.0	4.8
130	79.3	65.0	97.6



Abundance Ion 48.90 (48.60 to 49.60): VDC
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V





#29
Tetrahydrofuran
Concen: 106.624 ug/l
RT: 7.57 min Scan# 960
Delta R.T. -0.01 min
Lab File: VD064729.D
Acq: 03 Jan 2020 12:44

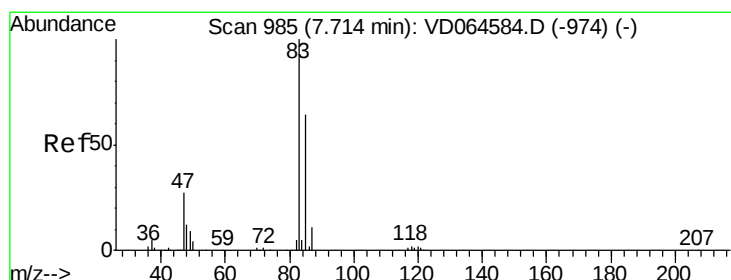
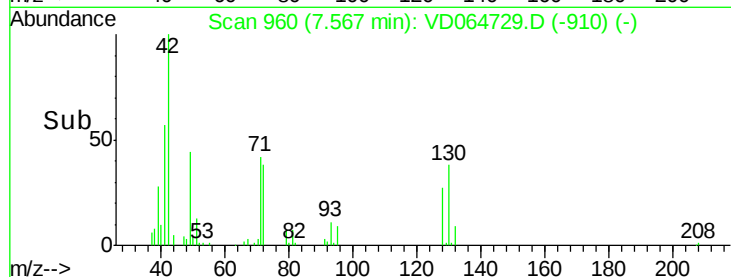
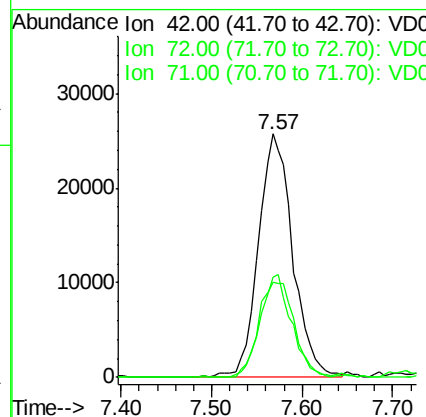
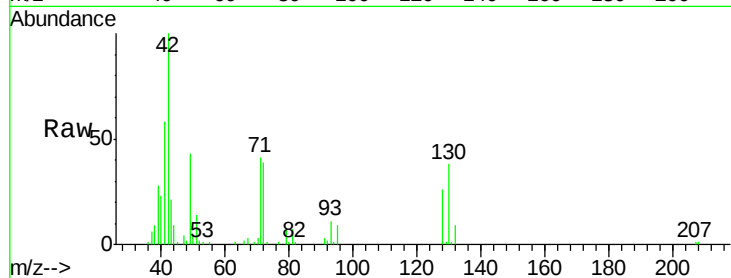
Instrument :
MSVOA_D
ClientSampleId :
VD0103SBSD01

Tgt Ion	Ratio	Lower	Upper
42	100		
72	40.5	35.0	52.4
71	38.8	32.9	49.3

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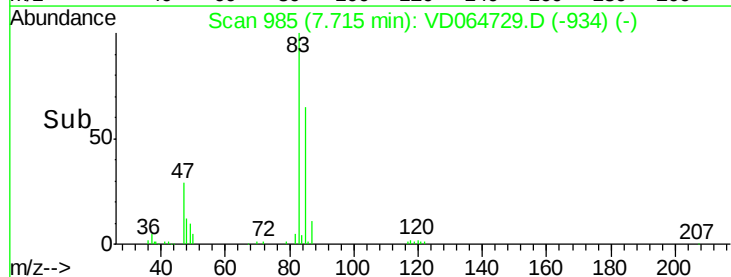
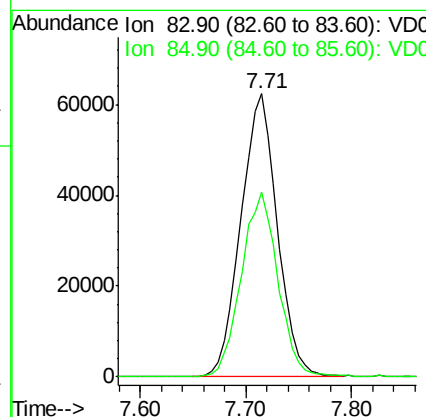
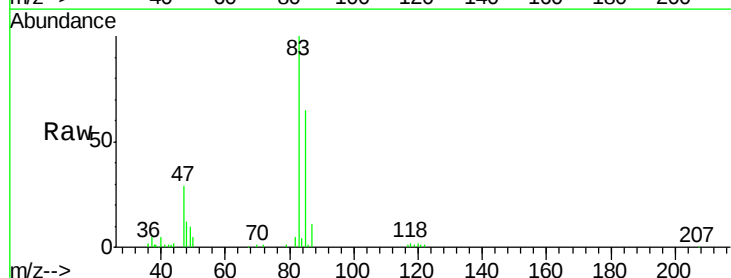
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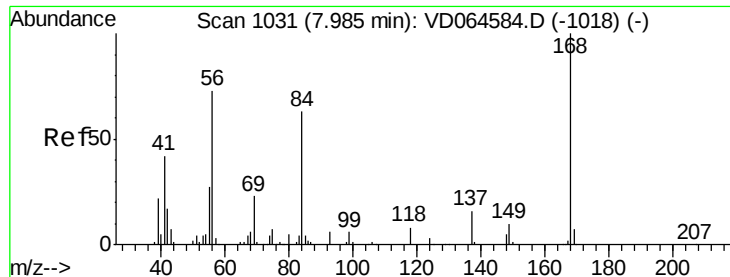
1/6/2020 10:49:53 AM



#30
Chloroform
Concen: 20.539 ug/l
RT: 7.71 min Scan# 985
Delta R.T. 0.00 min
Lab File: VD064729.D
Acq: 03 Jan 2020 12:44

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.3	51.1	76.7





#31

Cyclohexane

Concen: 19.695 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD064729.D

Acq: 03 Jan 2020 12:44

Instrument :

MSVOA_D

ClientSampleId :

VD0103SBSD01

Tgt Ion: 56 Resp: 136627
Ion Ratio Lower Upper

56 100

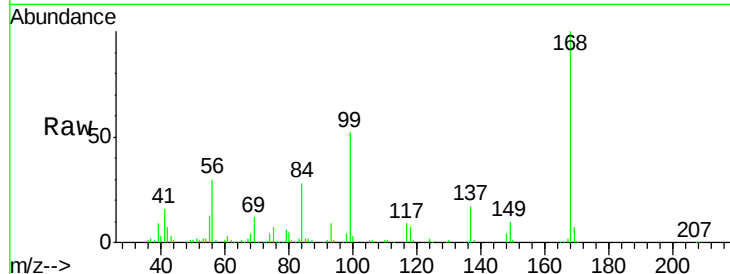
69 39.8 24.7 37.1#

84 93.4 69.4 104.2

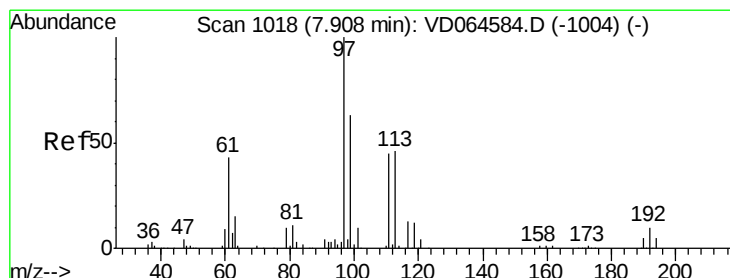
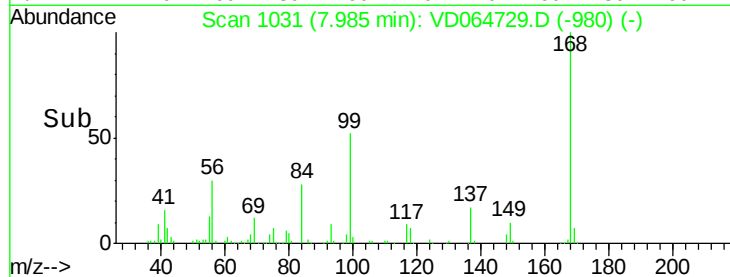
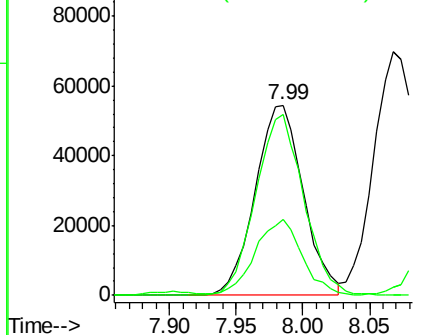
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Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC



#32

1,1,1-Trichloroethane

Concen: 20.832 ug/l

RT: 7.90 min Scan# 1017

Delta R.T. -0.01 min

Lab File: VD064729.D

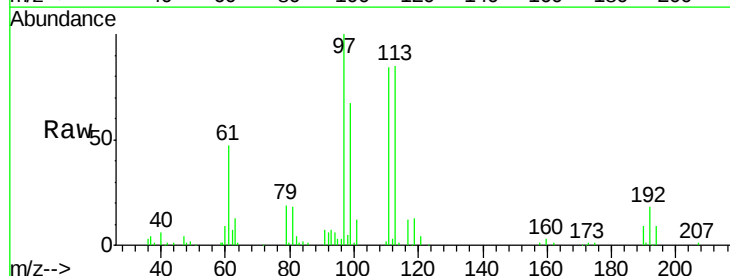
Acq: 03 Jan 2020 12:44

Tgt Ion: 97 Resp: 142270
Ion Ratio Lower Upper

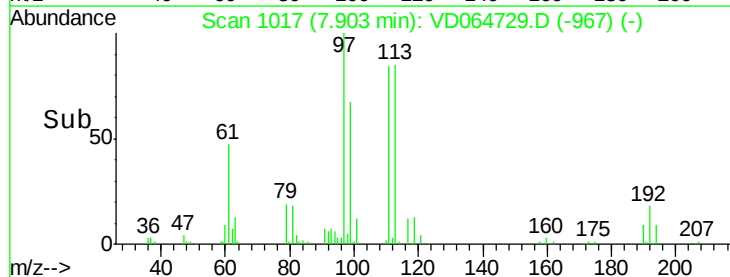
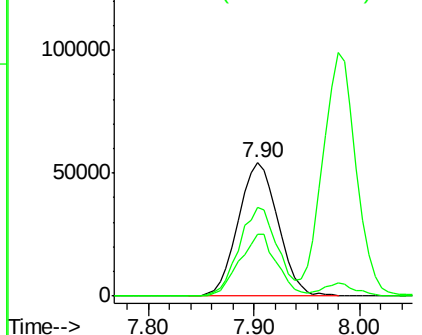
97 100

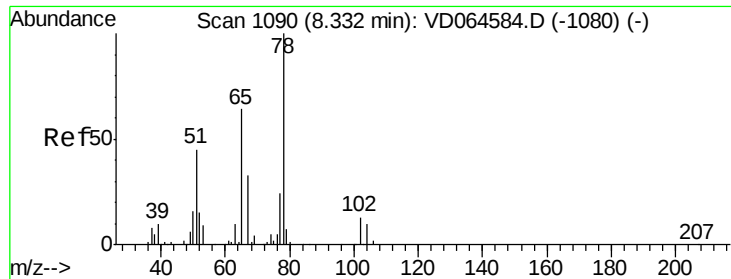
99 64.0 51.0 76.6

61 43.7 35.4 53.0



Abundance Ion 96.90 (96.60 to 97.60): VDC
Ion 98.90 (98.60 to 99.60): VDC
Ion 60.90 (60.60 to 61.60): VDC





#33
 1,2-Dichloroethane-d4
 Concen: 46.332 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. 0.00 min
 Lab File: VD064729.D
 Acq: 03 Jan 2020 12:44

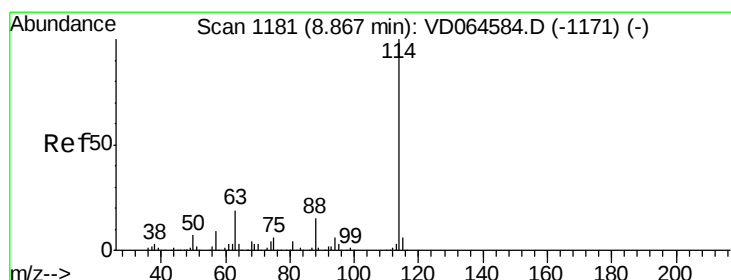
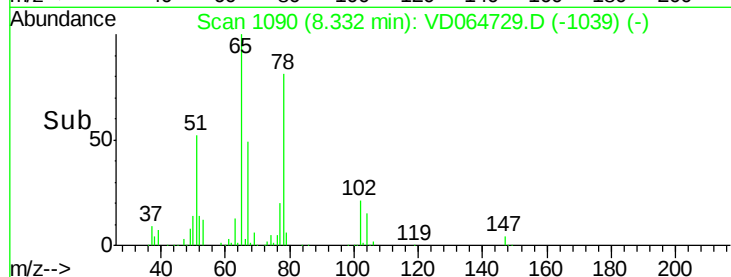
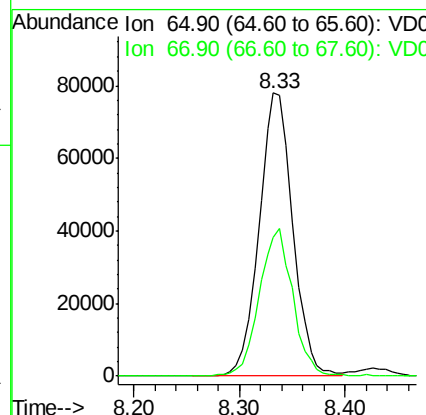
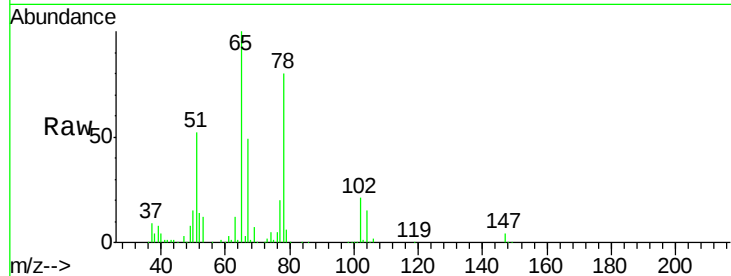
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0103SBSD01

Tgt Ion	Ratio	Resp	Lower	Upper
65	100	172378		
67	51.6	0.0	106.2	

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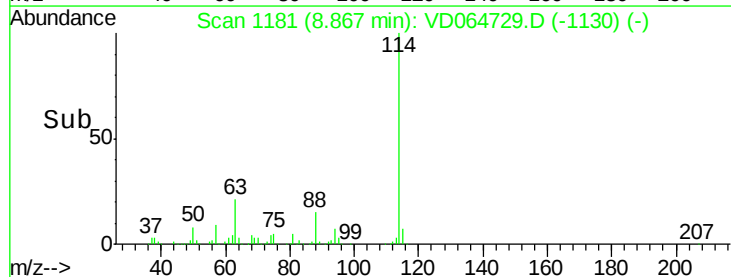
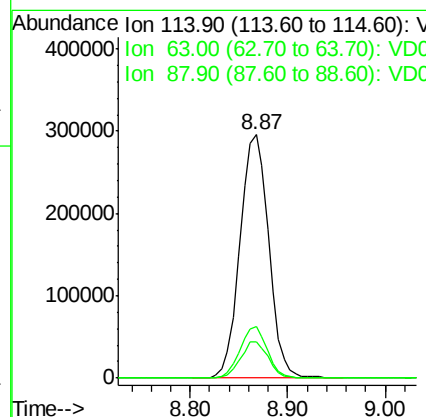
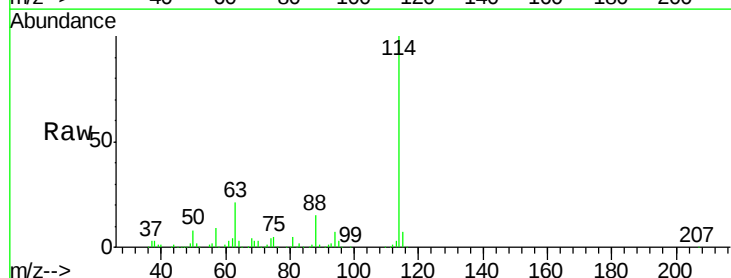
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD064729.D
 Acq: 03 Jan 2020 12:44

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	608894		
63	21.3	0.0	38.0	
88	14.7	0.0	29.2	





#35
 Dibromofluoromethane
 Concen: 45.847 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD064729.D
 Acq: 03 Jan 2020 12:44

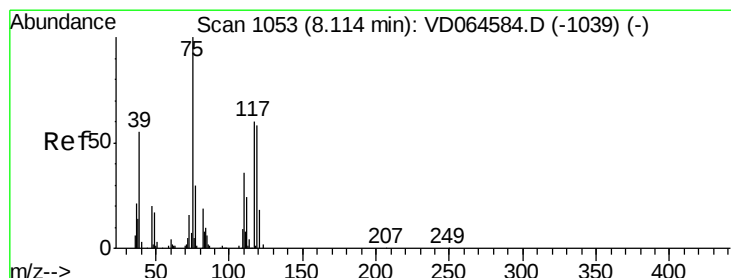
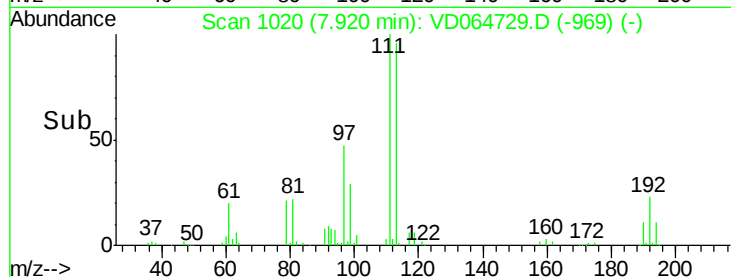
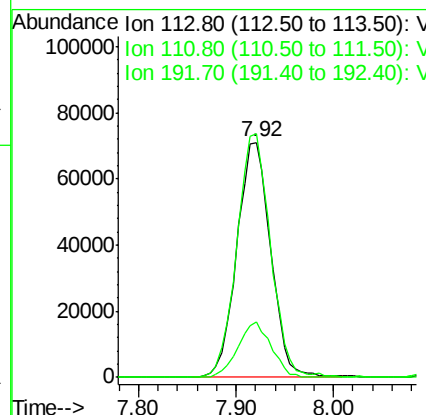
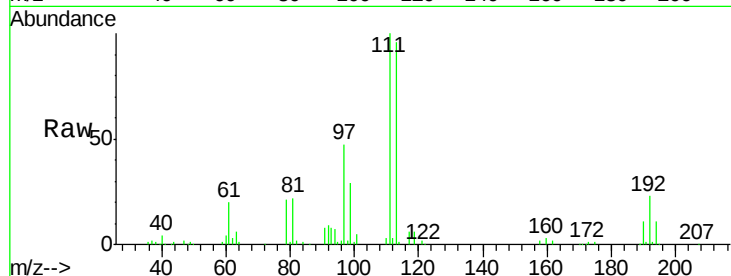
Instrument :
 MSVOA_D
 ClientSampleID :
 VD0103SBSD01

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	171269		
111	103.3	80.6	121.0	
192	23.3	17.9	26.9	

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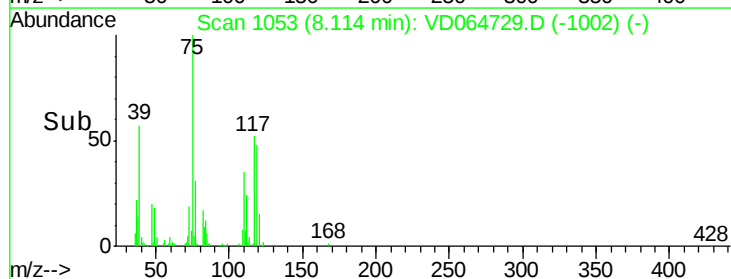
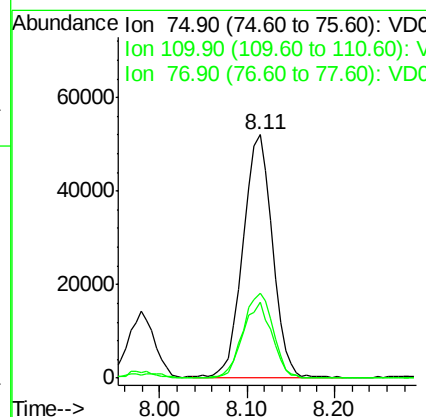
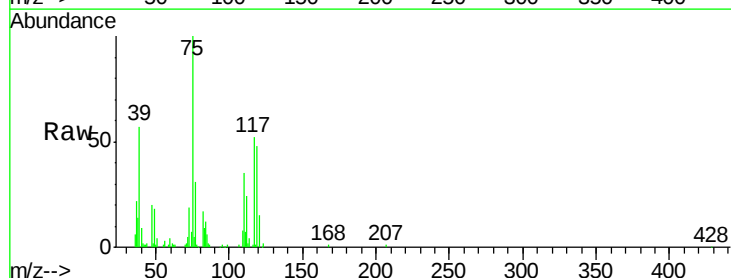
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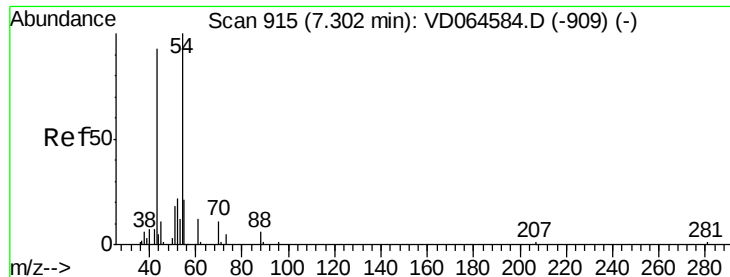
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#36
 1,1-Dichloropropene
 Concen: 20.309 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. 0.00 min
 Lab File: VD064729.D
 Acq: 03 Jan 2020 12:44

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	119025		
110	35.5	18.1	54.1	
77	30.8	24.2	36.4	





#37
Ethyl Acetate
Concen: 20.443 ug/l
RT: 7.30 min Scan# 914
Delta R.T. -0.01 min
Lab File: VD064729.D
Acq: 03 Jan 2020 12:44

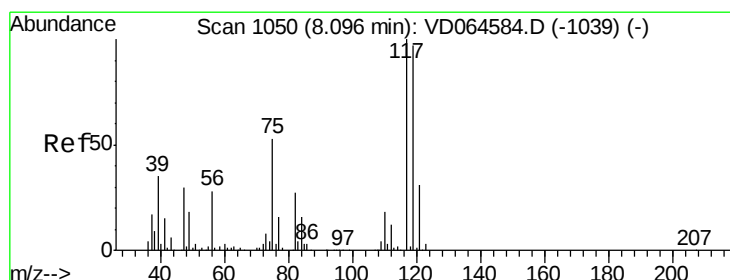
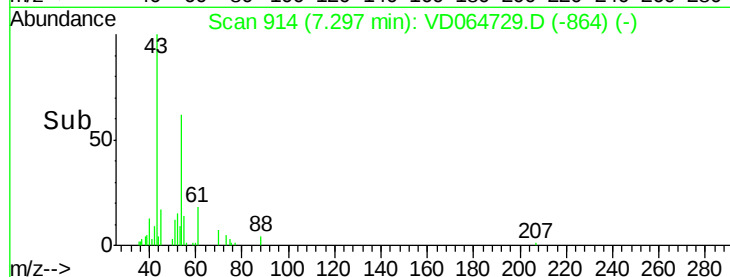
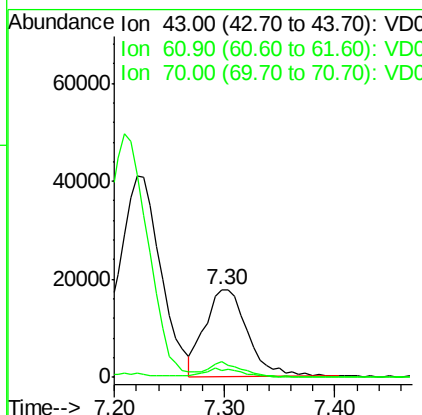
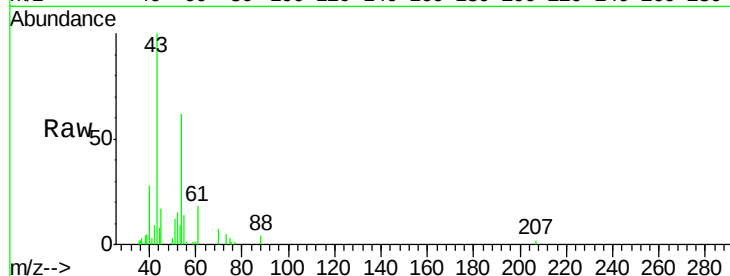
Instrument :
MSVOA_D
ClientSampleId :
VD0103SBSD01

Tgt Ion	Ratio	Lower	Upper
43	100		
61	13.9	10.3	15.5
70	9.6	7.6	11.4

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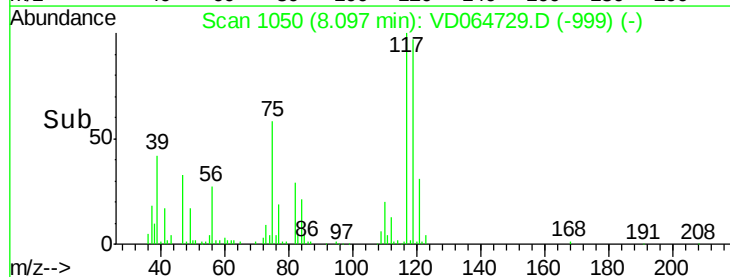
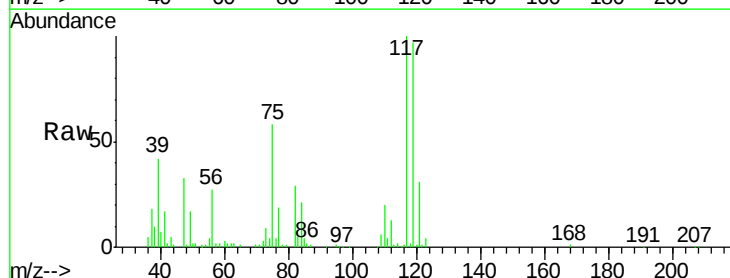
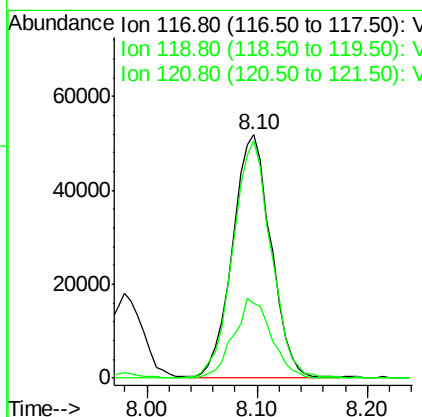
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#38
Carbon Tetrachloride
Concen: 20.154 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VD064729.D
Acq: 03 Jan 2020 12:44

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.2	77.3	115.9
121	30.7	25.0	37.6





#39
Methylcyclohexane
Concen: 20.059 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD064729.D
Acq: 03 Jan 2020 12:44

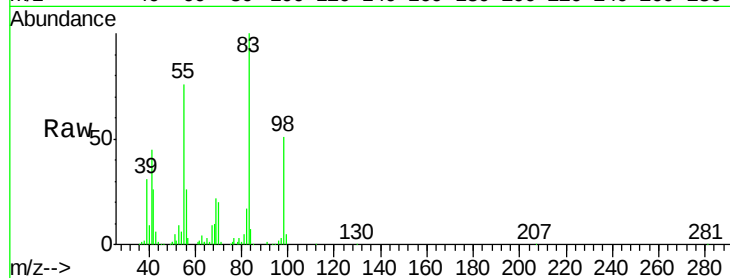
Instrument :
MSVOA_D
ClientSampleId :
VD0103SBSD01

Tgt Ion	Ratio	Lower	Upper
83	100		
55	76.3	57.8	86.6
98	50.5	38.7	58.1

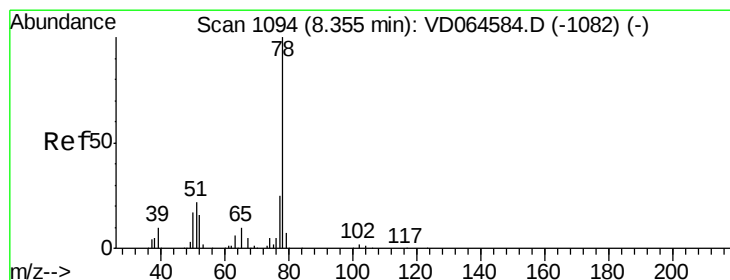
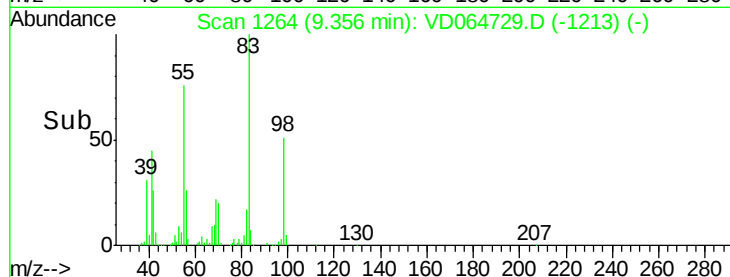
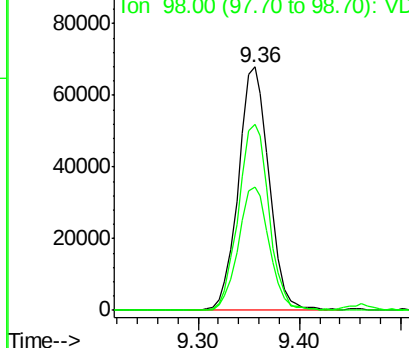
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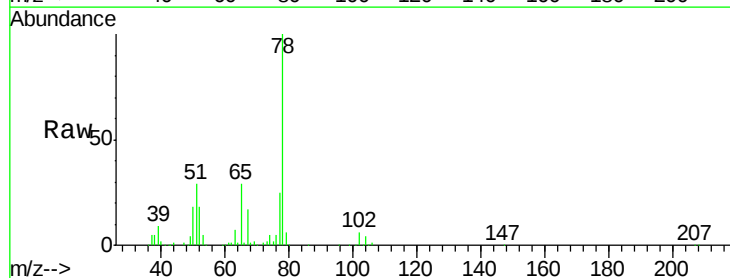


Abundance Ion 83.00 (82.70 to 83.70): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.00 (97.70 to 98.70): VDC

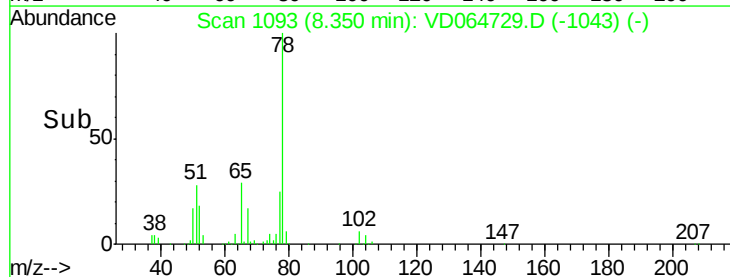
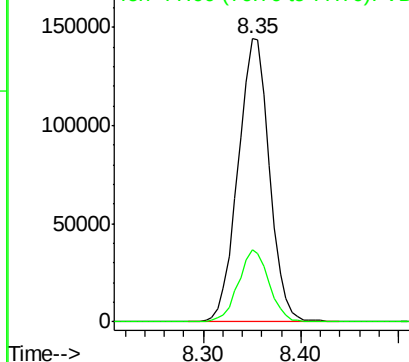


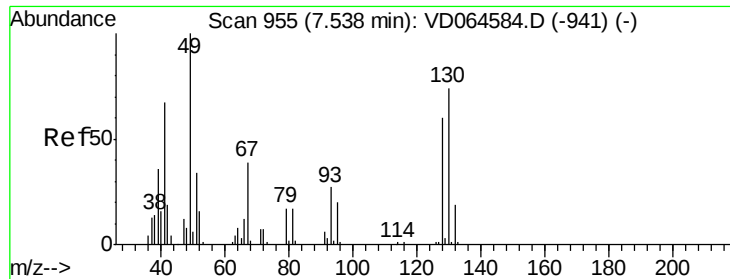
#40
Benzene
Concen: 20.312 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. -0.01 min
Lab File: VD064729.D
Acq: 03 Jan 2020 12:44

Tgt Ion	Ratio	Lower	Upper
78	100		
77	25.4	19.9	29.9



Abundance Ion 78.00 (77.70 to 78.70): VDC
Ion 77.00 (76.70 to 77.70): VDC





#41
Methacrylonitrile
Concen: 21.627 ug/l
RT: 7.53 min Scan# 953
Delta R.T. -0.01 min
Lab File: VD064729.D
Acq: 03 Jan 2020 12:44

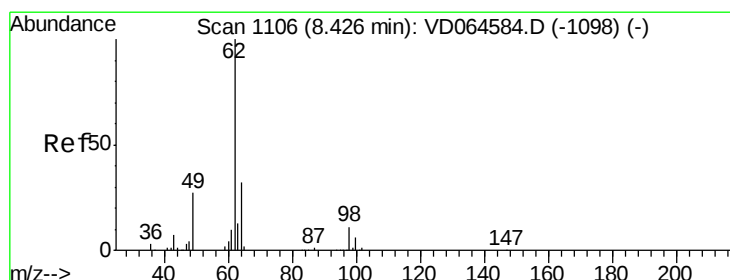
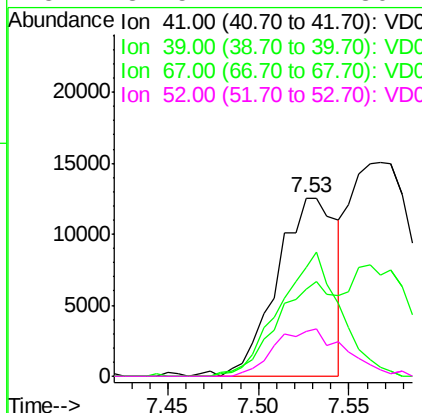
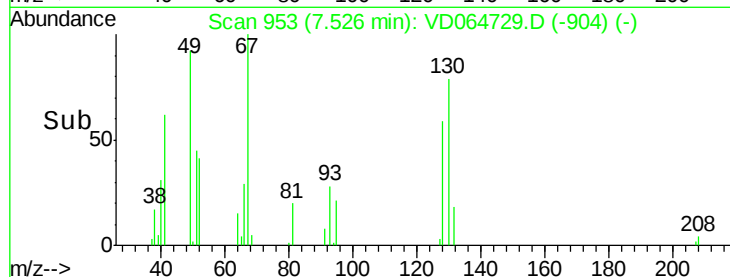
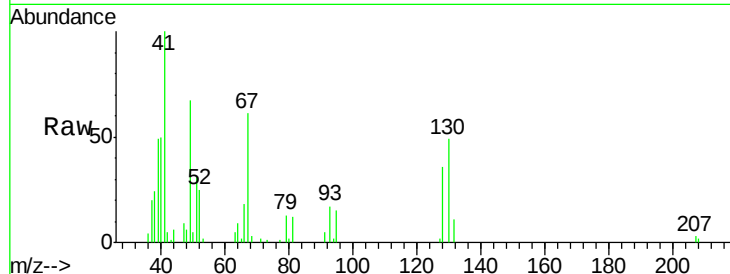
Instrument :
MSVOA_D
ClientSampleId :
VD0103SBSD01

Tgt Ion:	41	Resp:	28890
Ion	Ratio	Lower	Upper
41	100		
39	52.8	46.7	70.1
67	70.8	52.5	78.7
52	31.5	24.1	36.1

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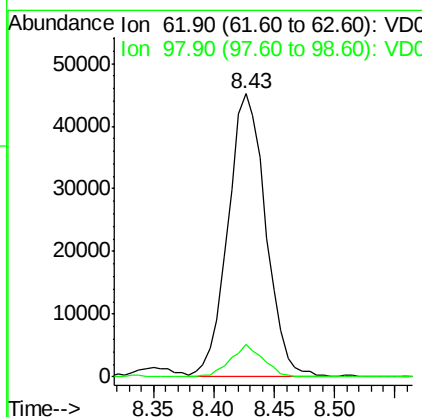
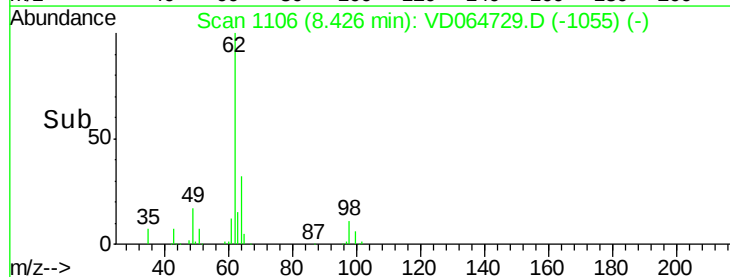
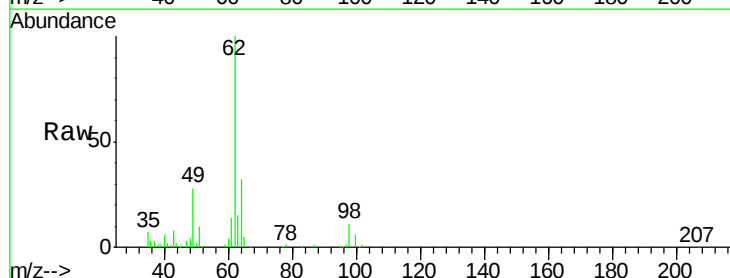
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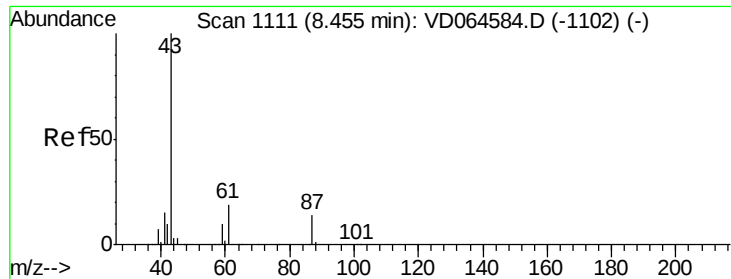
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#42
1,2-Dichloroethane
Concen: 21.319 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. 0.00 min
Lab File: VD064729.D
Acq: 03 Jan 2020 12:44

Tgt Ion:	62	Resp:	98564
Ion	Ratio	Lower	Upper
62	100		
98	10.0	0.0	20.0





#43
Isopropyl Acetate
Concen: 20.389 ug/l
RT: 8.46 min Scan# 1111
Delta R.T. 0.00 min
Lab File: VD064729.D
Acq: 03 Jan 2020 12:44

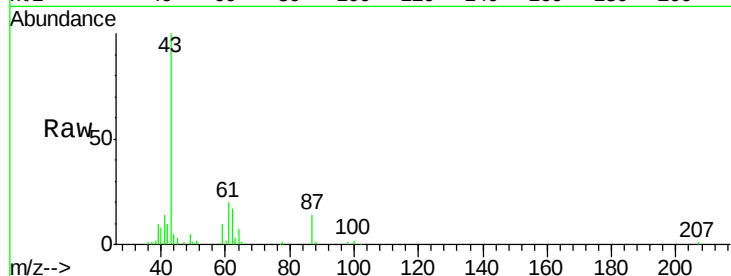
Instrument :
MSVOA_D
ClientSampleId :
VD0103SBSD01

Tgt Ion	Ratio	Lower	Upper
43	100		
61	30.3	23.7	35.5
87	13.7	10.5	15.7

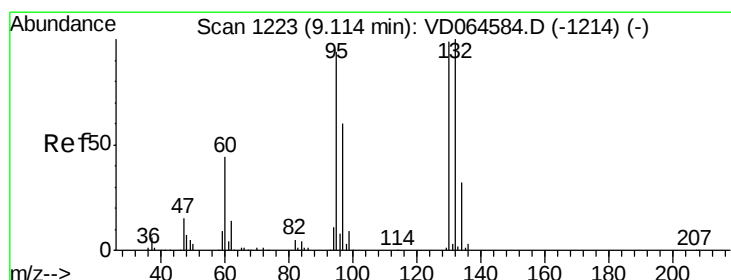
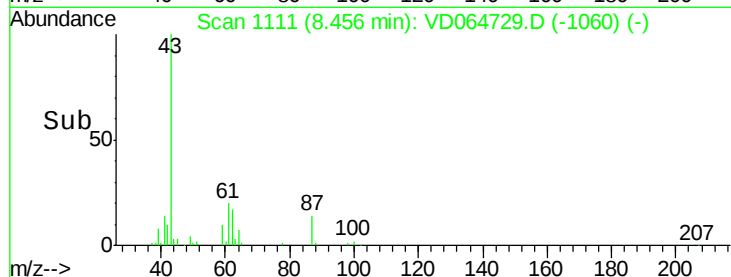
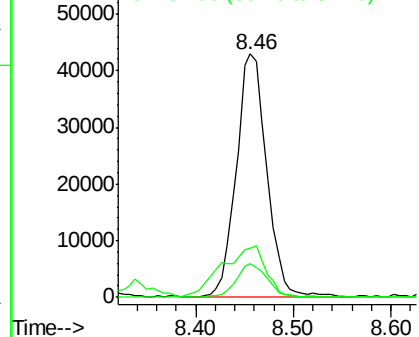
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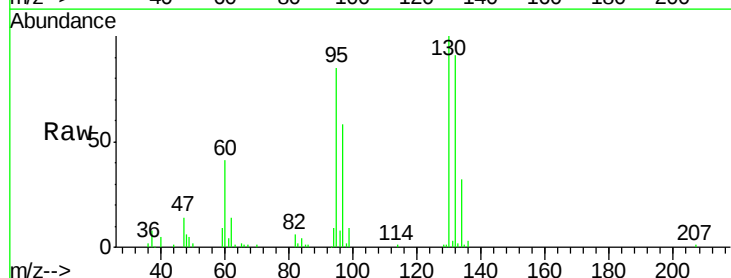


Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 61.00 (60.70 to 61.70): VDC
Ion 87.00 (86.70 to 87.70): VDC

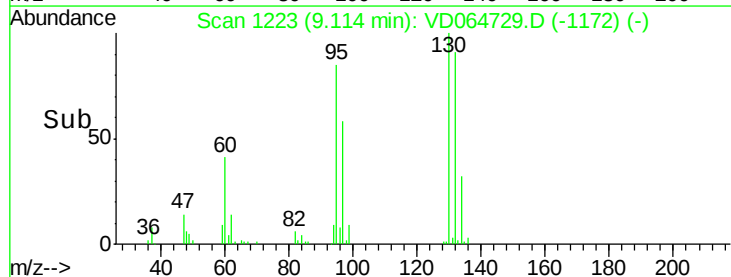
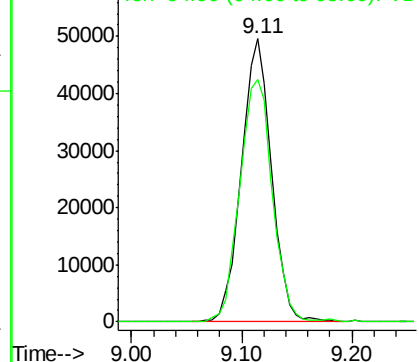


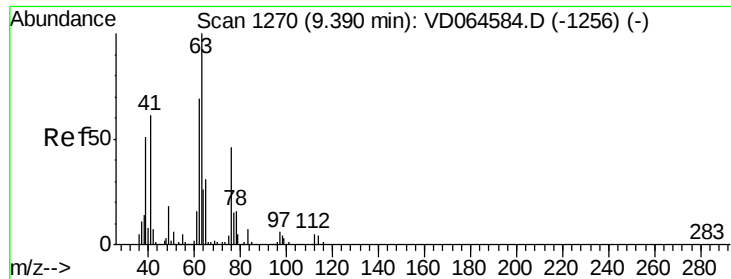
#44
Trichloroethene
Concen: 20.245 ug/l
RT: 9.11 min Scan# 1223
Delta R.T. 0.00 min
Lab File: VD064729.D
Acq: 03 Jan 2020 12:44

Tgt Ion	Ratio	Lower	Upper
130	100		
95	85.5	0.0	190.2



Abundance Ion 129.80 (129.50 to 130.50): VDC
Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 20.724 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VD064729.D

Acq: 03 Jan 2020 12:44

Instrument :

MSVOA_D

ClientSampleId :

VD0103SBSD01

Tgt Ion: 63 Resp: 79165

Ion Ratio Lower Upper

63 100

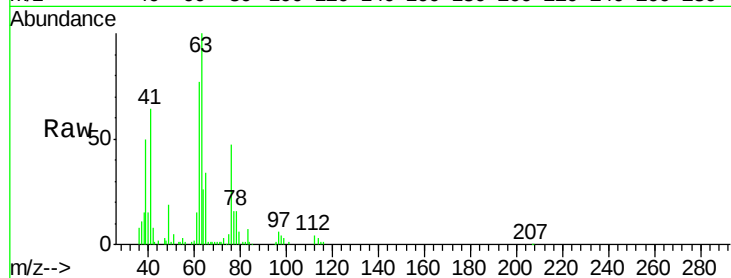
65 33.7 25.2 37.8

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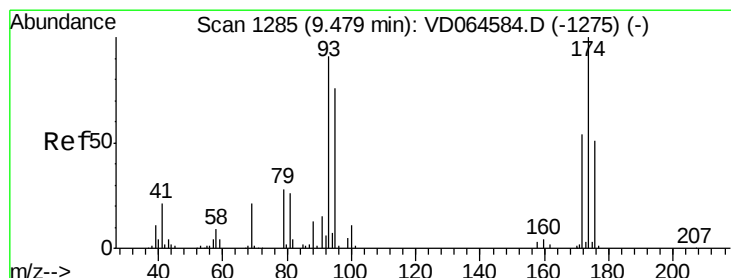
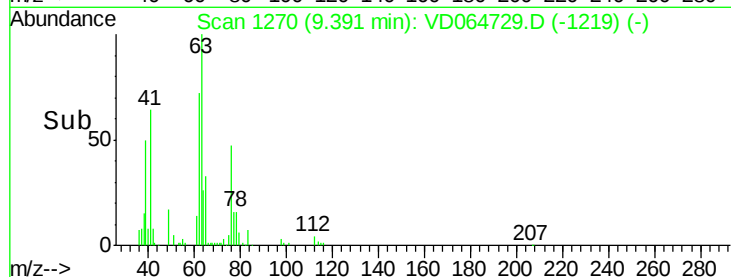
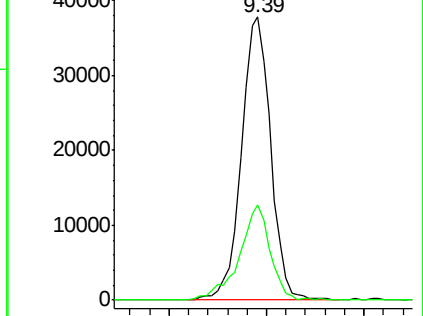
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Abundance Ion 62.90 (62.60 to 63.60): VD064584.D (-1256) (-)

Ion 64.90 (64.60 to 65.60): VD064584.D (-1256) (-)



#46

Dibromomethane

Concen: 20.752 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. 0.00 min

Lab File: VD064729.D

Acq: 03 Jan 2020 12:44

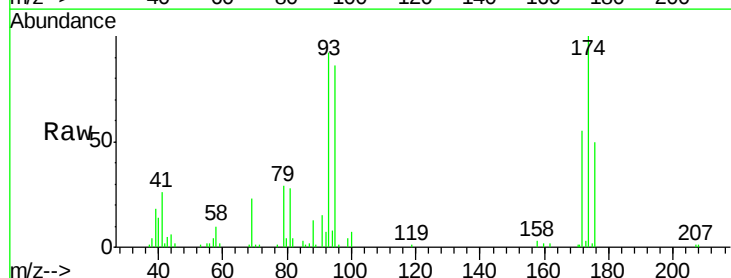
Tgt Ion: 93 Resp: 44197

Ion Ratio Lower Upper

93 100

95 84.8 64.6 97.0

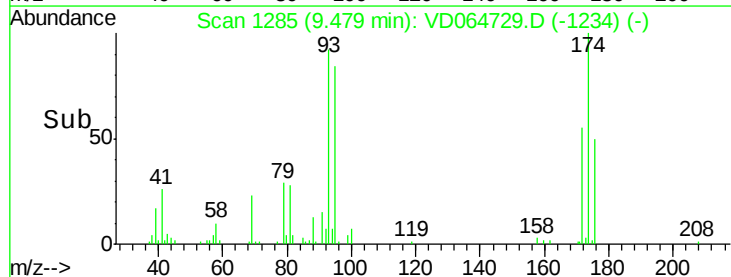
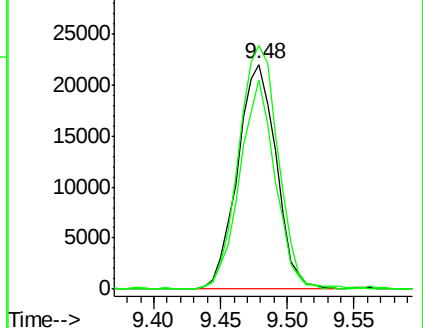
174 111.2 88.1 132.1

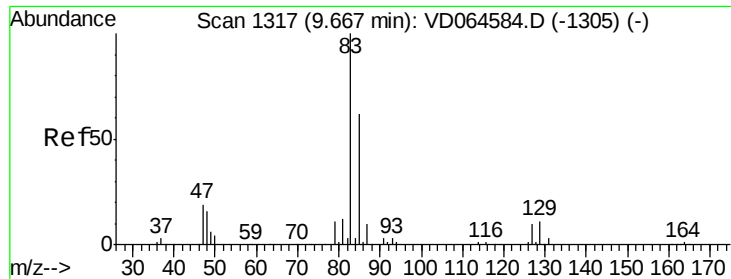


Abundance Ion 92.80 (92.50 to 93.50): VD064729.D (-1234) (-)

Ion 94.80 (94.50 to 95.50): VD064729.D (-1234) (-)

Ion 173.70 (173.40 to 174.40): VD064729.D (-1234) (-)





#47

Bromodichloromethane

Concen: 20.730 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VD064729.D

Acq: 03 Jan 2020 12:44

Instrument :

MSVOA_D

ClientSampleId :

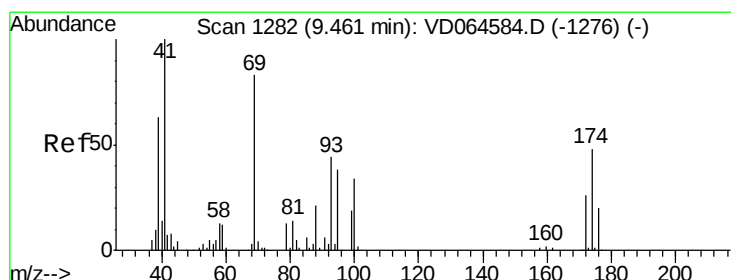
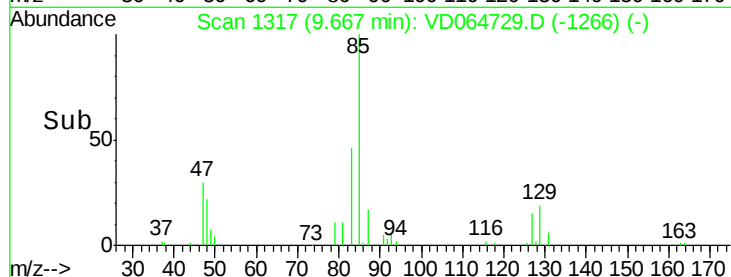
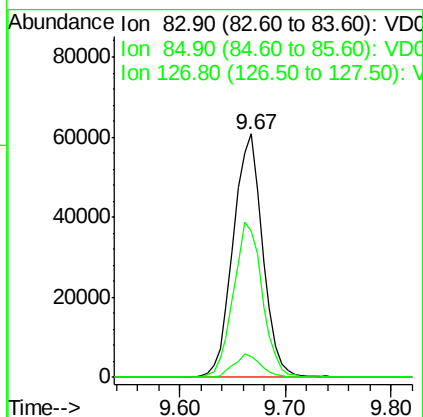
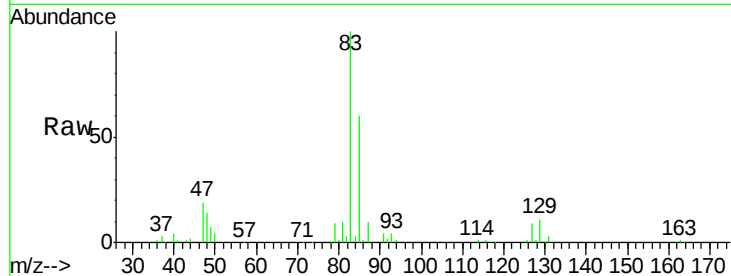
VD0103SBSD01

Tgt Ion:	83	Resp:	117479
Ion	Ratio	Lower	Upper
83	100		
85	60.1	49.5	74.3
127	8.8	7.8	11.6

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#48

Methyl methacrylate

Concen: 20.261 ug/l

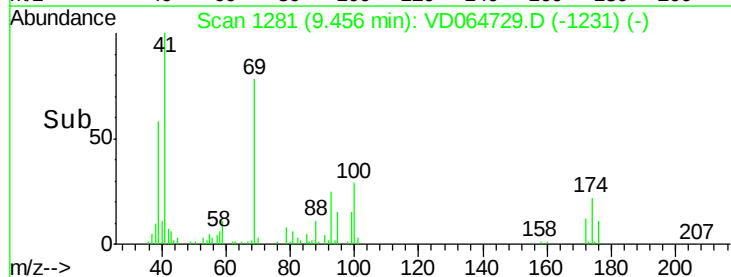
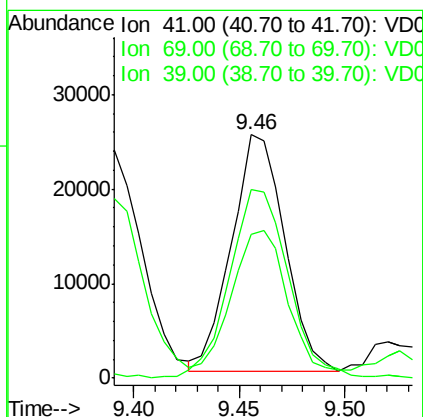
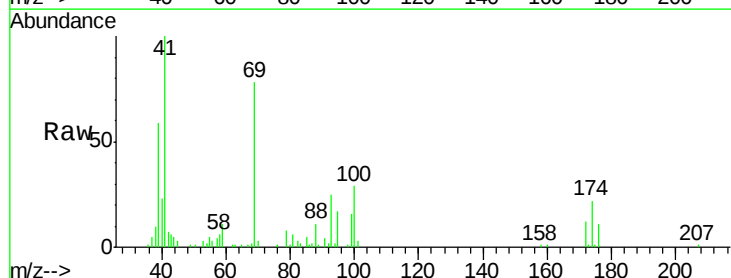
RT: 9.46 min Scan# 1281

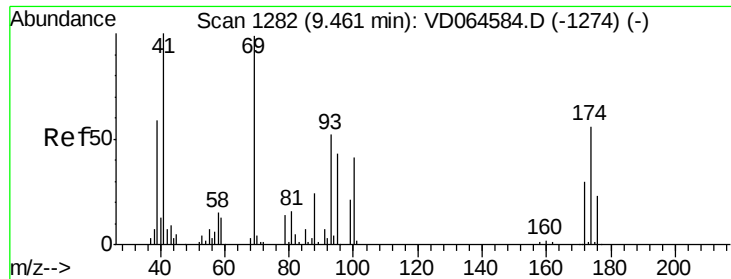
Delta R.T. -0.01 min

Lab File: VD064729.D

Acq: 03 Jan 2020 12:44

Tgt Ion:	41	Resp:	43719
Ion	Ratio	Lower	Upper
41	100		
69	88.9	63.0	94.6
39	61.0	47.4	71.2





#49
1,4-Dioxane
Concen: 401.429 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. 0.01 min
Lab File: VD064729.D
Acq: 03 Jan 2020 12:44

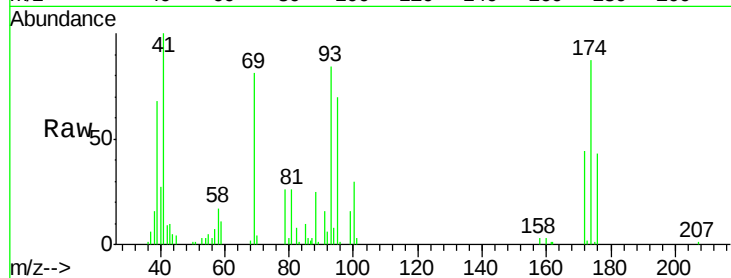
Instrument :
MSVOA_D
ClientSampleId :
VD0103SBSD01

Tgt Ion	Ratio	Lower	Upper
88	100		
43	38.0	27.7	41.5
58	66.0	53.8	80.6

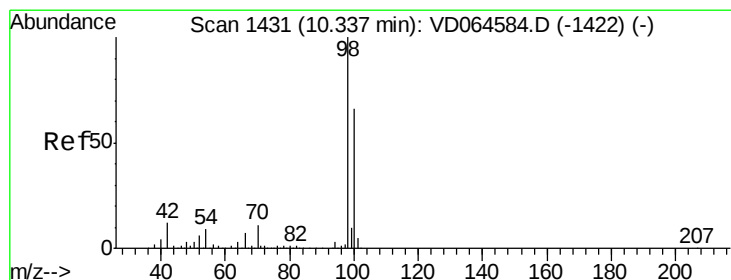
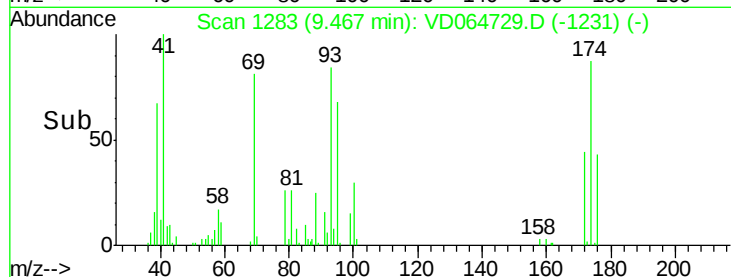
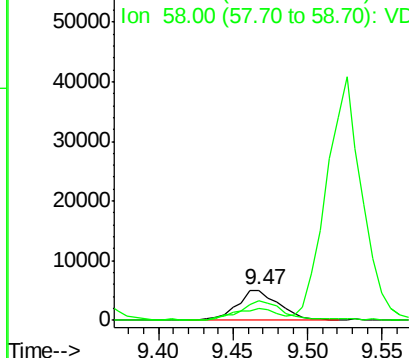
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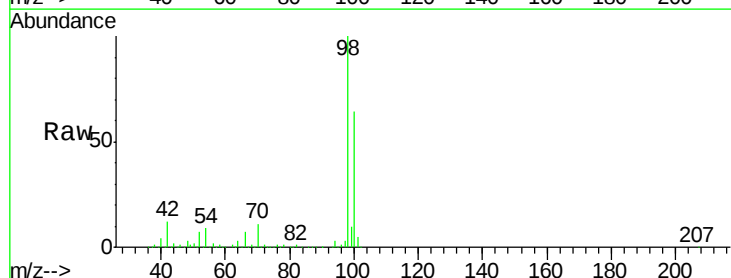


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.00 (42.70 to 43.70): VDC
Ion 58.00 (57.70 to 58.70): VDC

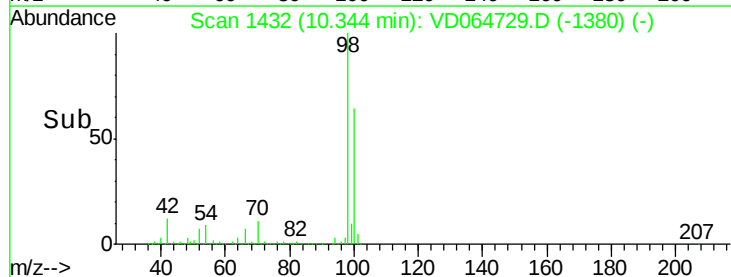
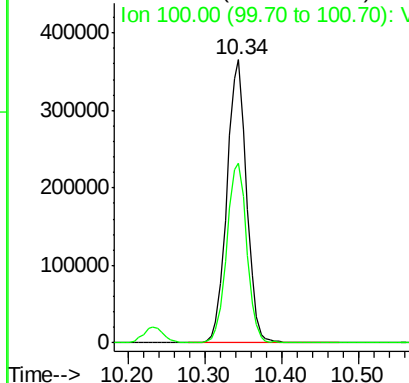


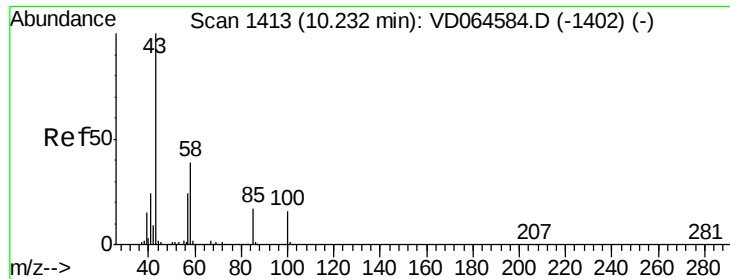
#50
Toluene-d8
Concen: 45.590 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.01 min
Lab File: VD064729.D
Acq: 03 Jan 2020 12:44

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.9	51.7	77.5



Abundance Ion 98.00 (97.70 to 98.70): VDC
Ion 100.00 (99.70 to 100.70): VDC





#51
 4-Methyl-2-Pentanone
 Concen: 102.765 ug/l
 RT: 10.23 min Scan# 1413
 Delta R.T. 0.00 min
 Lab File: VD064729.D
 Acq: 03 Jan 2020 12:44

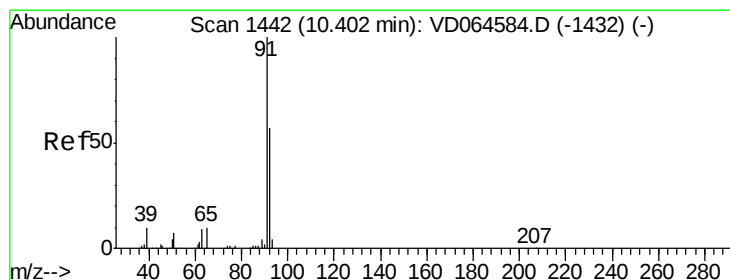
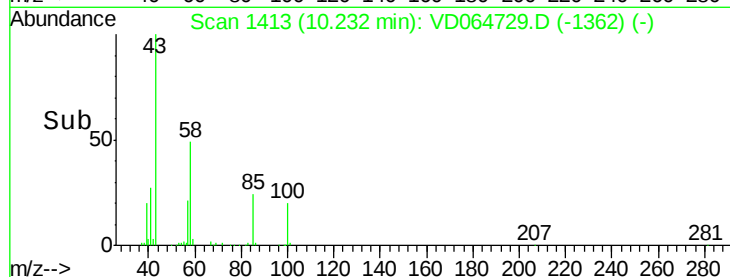
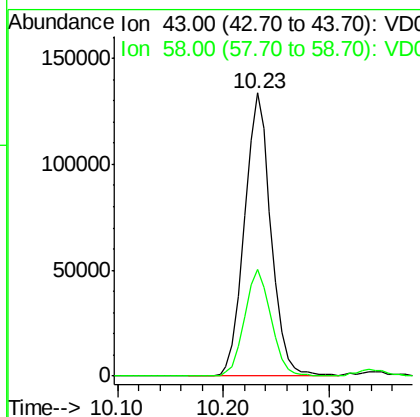
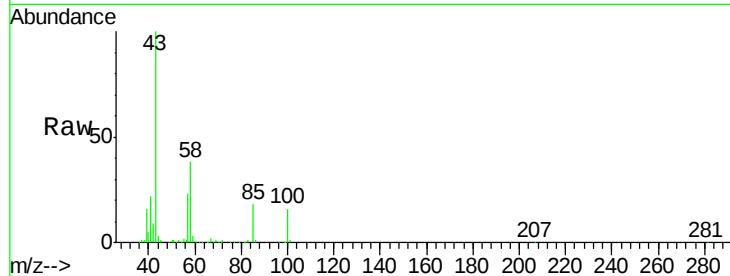
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0103SBSD01

Tgt Ion	Ratio	Lower	Upper
43	100		
58	38.0	30.2	45.2

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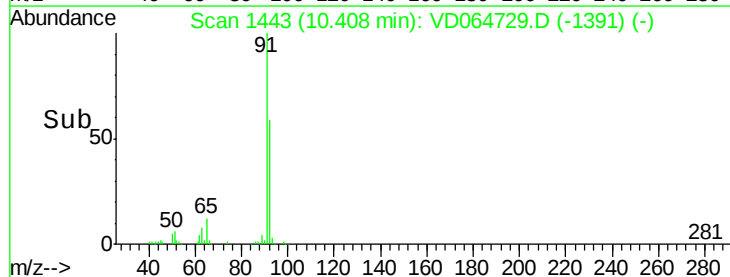
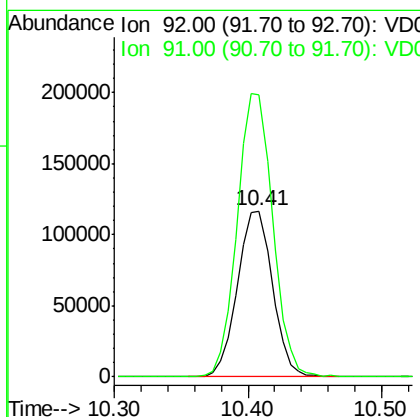
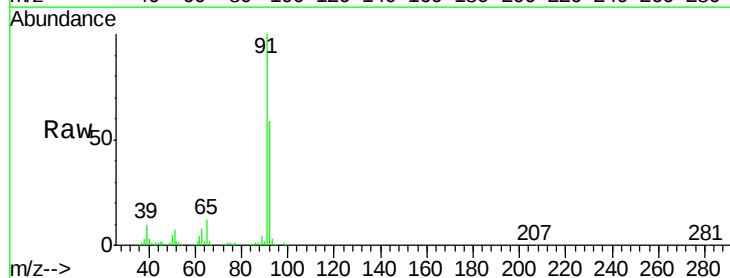
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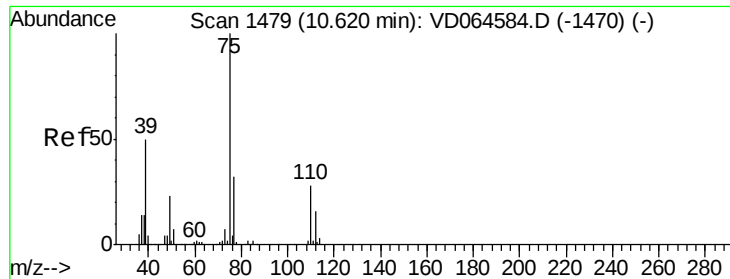
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#52
 Toluene
 Concen: 20.286 ug/l
 RT: 10.41 min Scan# 1443
 Delta R.T. 0.01 min
 Lab File: VD064729.D
 Acq: 03 Jan 2020 12:44

Tgt Ion	Ratio	Lower	Upper
92	100		
91	172.3	138.7	208.1





#53
t-1,3-Dichloropropene
Concen: 20.942 ug/l
RT: 10.62 min Scan# 1479
Delta R.T. 0.00 min
Lab File: VD064729.D
Acq: 03 Jan 2020 12:44

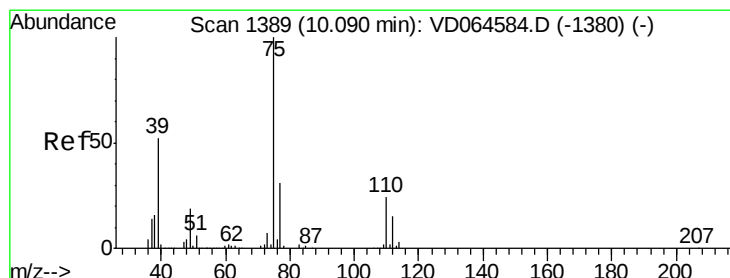
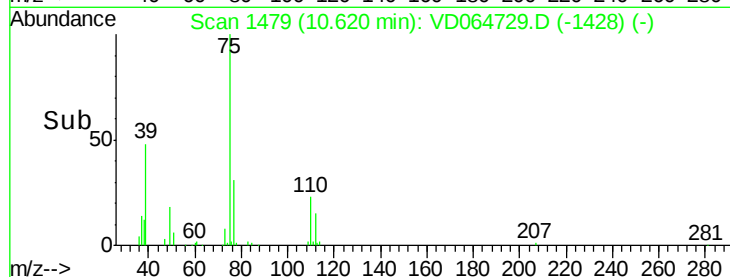
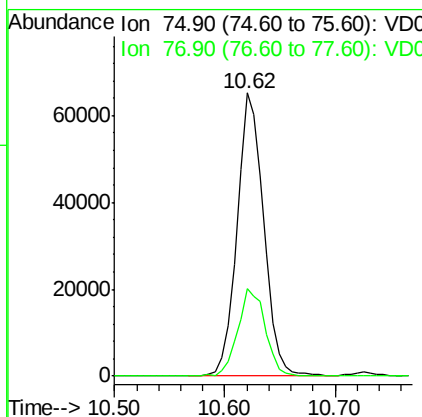
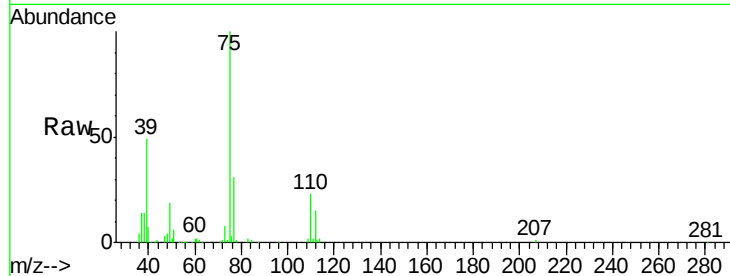
Instrument :
MSVOA_D
ClientSampleId :
VD0103SBSD01

Tgt Ion: 75 Resp: 110651
Ion Ratio Lower Upper
75 100
77 31.0 25.4 38.2

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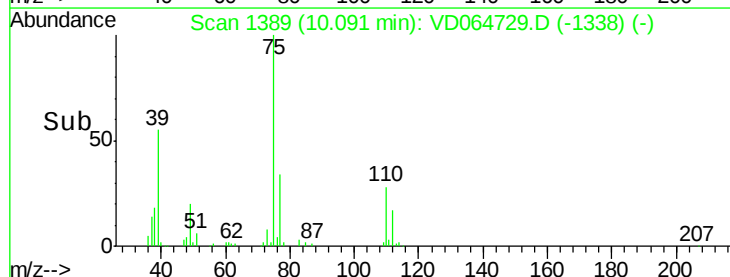
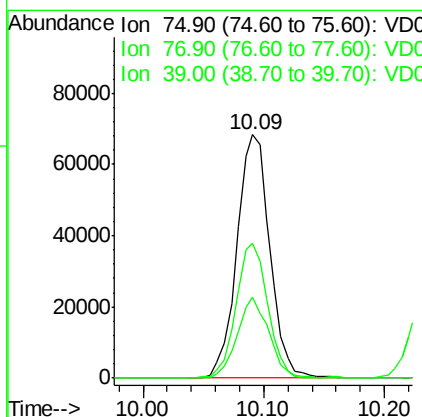
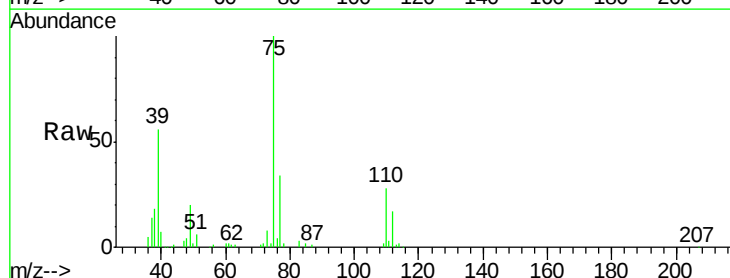
apatel

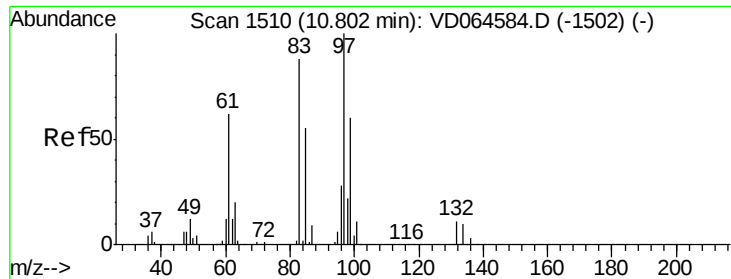
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#54
cis-1,3-Dichloropropene
Concen: 20.827 ug/l
RT: 10.09 min Scan# 1389
Delta R.T. 0.00 min
Lab File: VD064729.D
Acq: 03 Jan 2020 12:44

Tgt Ion: 75 Resp: 129753
Ion Ratio Lower Upper
75 100
77 33.5 24.6 36.8
39 55.3 41.4 62.2





#55
 1,1,2-Trichloroethane
 Concen: 20.457 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. 0.00 min
 Lab File: VD064729.D
 Acq: 03 Jan 2020 12:44

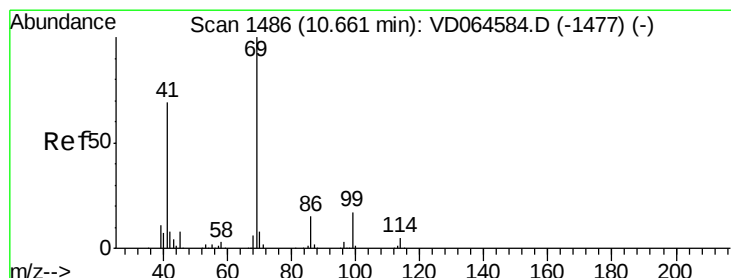
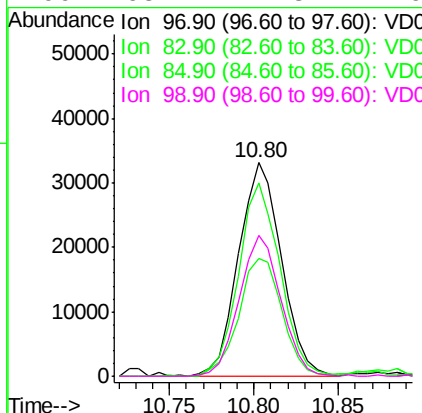
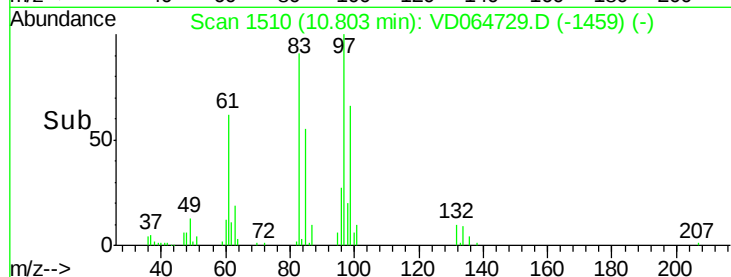
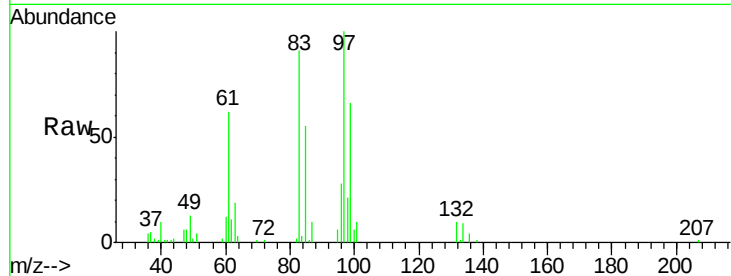
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0103SBSD01

Tgt Ion	Ratio	Lower	Upper
97	100		
83	90.8	70.2	105.4
85	55.1	44.0	66.0
99	65.7	47.8	71.6

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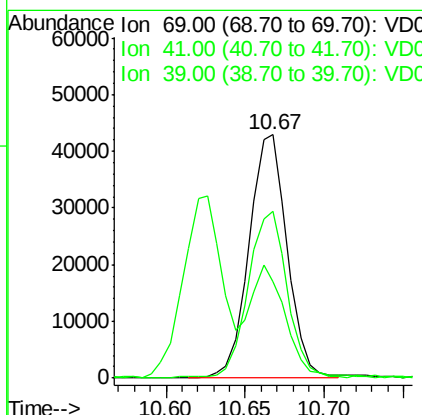
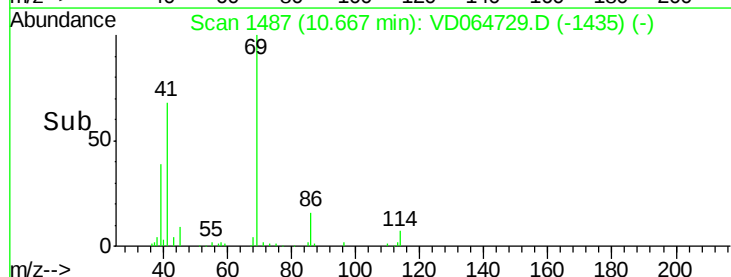
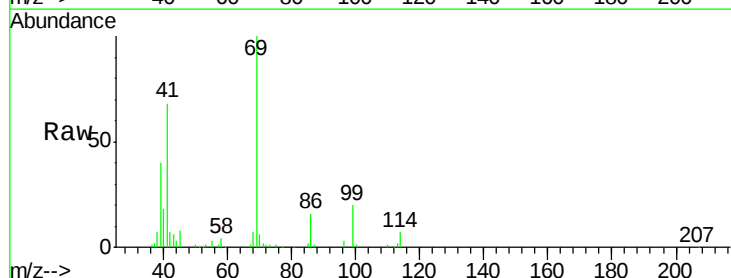
apatel

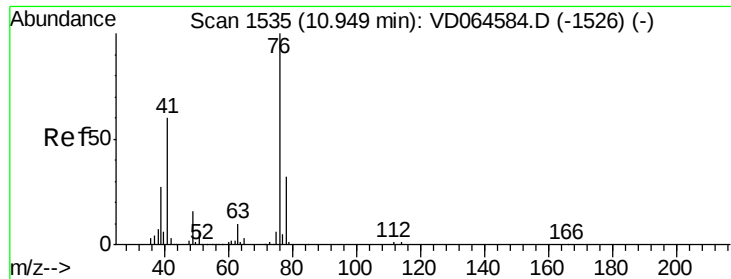
1/6/2020 10:49:53 AM



#56
 Ethyl methacrylate
 Concen: 19.997 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. 0.01 min
 Lab File: VD064729.D
 Acq: 03 Jan 2020 12:44

Tgt Ion	Ratio	Lower	Upper
69	100		
41	71.5	55.3	82.9
39	44.2	33.8	50.8





#57

1,3-Dichloropropane

Concen: 20.696 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. 0.00 min

Lab File: VD064729.D

Acq: 03 Jan 2020 12:44

Instrument :

MSVOA_D

ClientSampleId :

VD0103SBSD01

Tgt Ion: 76 Resp: 102277

Ion Ratio Lower Upper

76 100

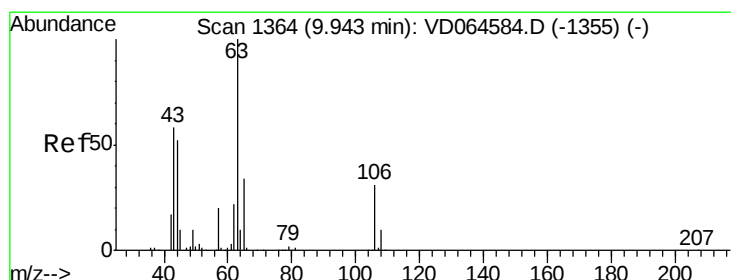
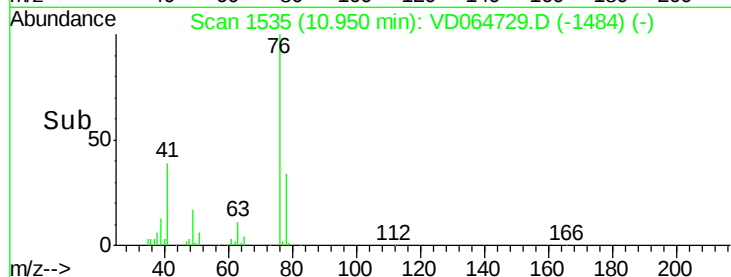
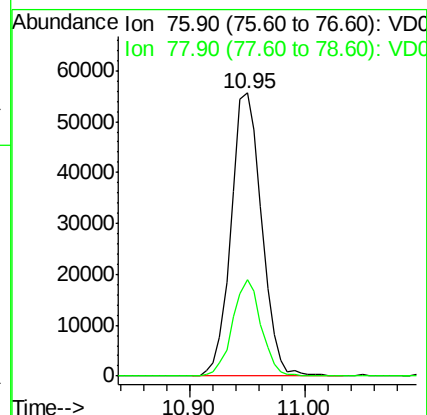
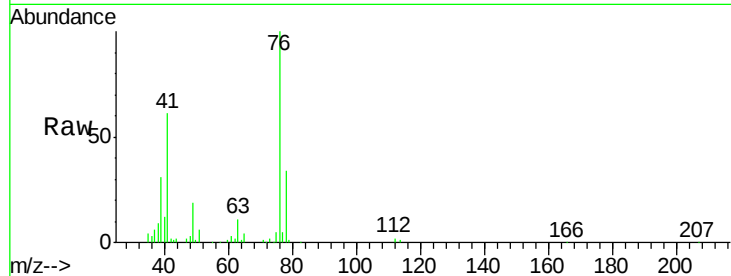
78 32.0 26.2 39.4

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#58

2-Chloroethyl Vinyl ether

Concen: 104.842 ug/l

RT: 9.94 min Scan# 1364

Delta R.T. 0.00 min

Lab File: VD064729.D

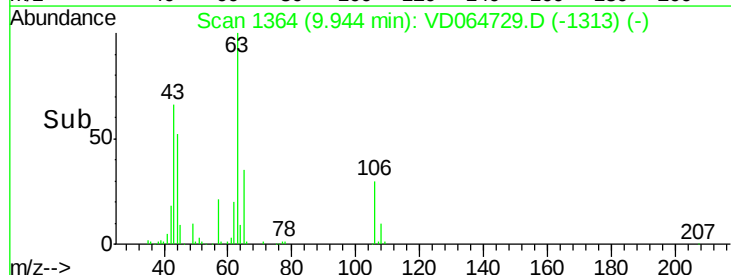
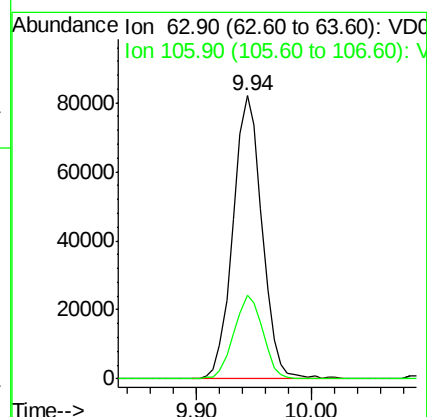
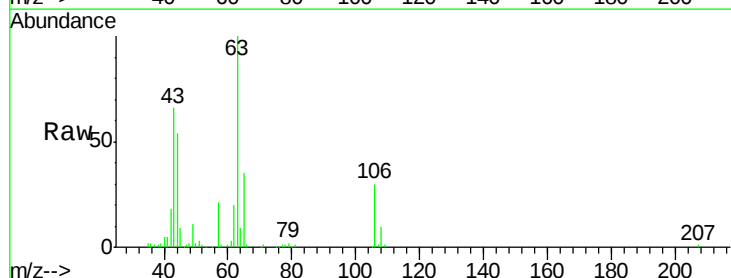
Acq: 03 Jan 2020 12:44

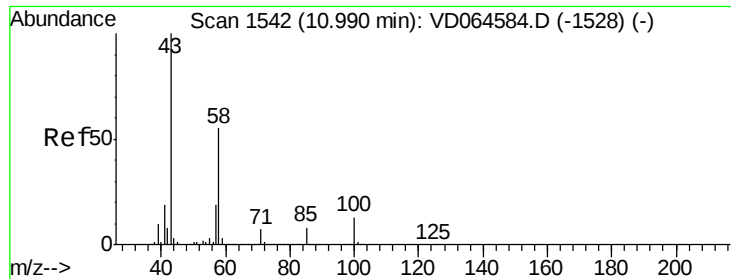
Tgt Ion: 63 Resp: 143178

Ion Ratio Lower Upper

63 100

106 29.4 23.8 35.8





#59
2-Hexanone
Concen: 104.606 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD064729.D
Acq: 03 Jan 2020 12:44

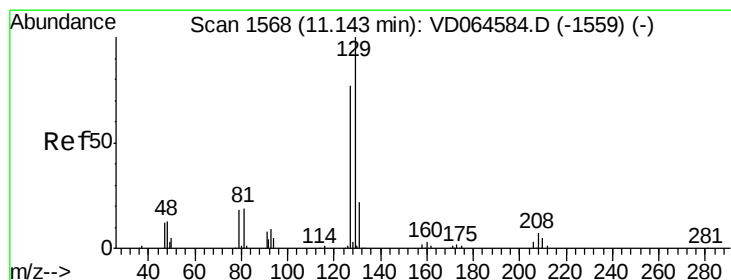
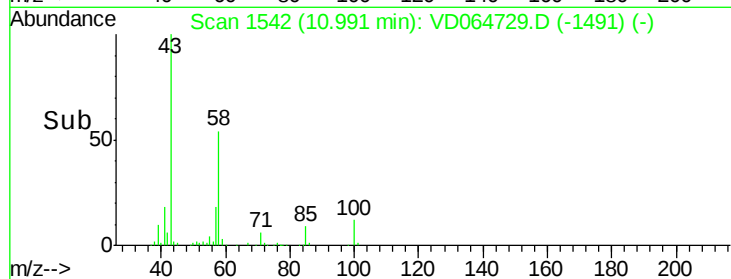
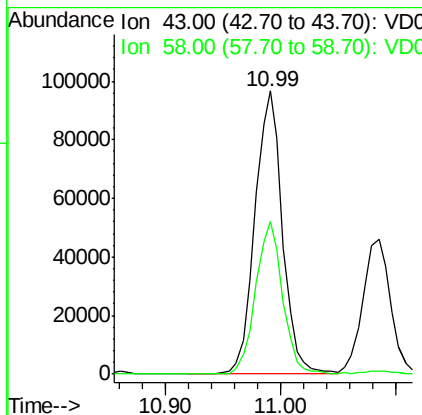
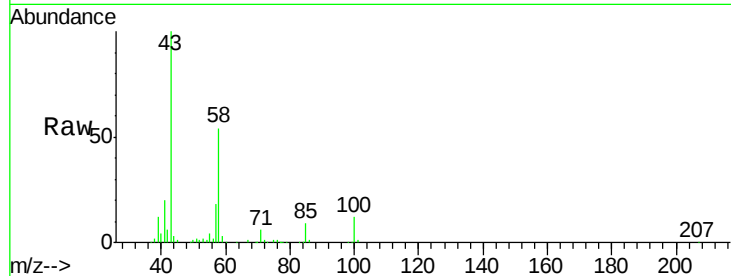
Instrument :
MSVOA_D
ClientSampleID :
VD0103SBSD01

Tgt Ion: 43 Resp: 160817
Ion Ratio Lower Upper
43 100
58 52.7 26.4 79.0

Manual Integrations
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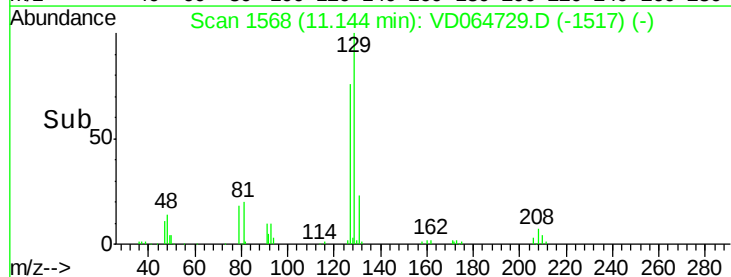
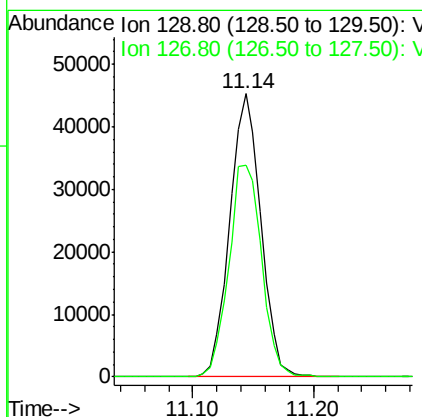
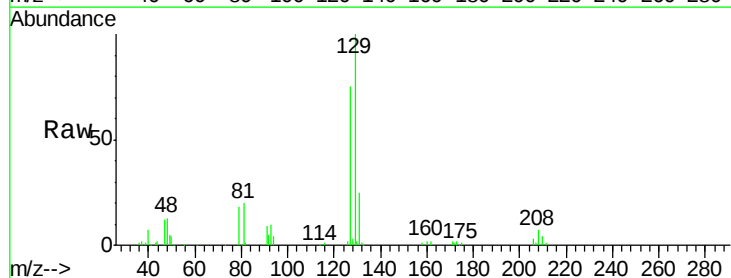
apatel

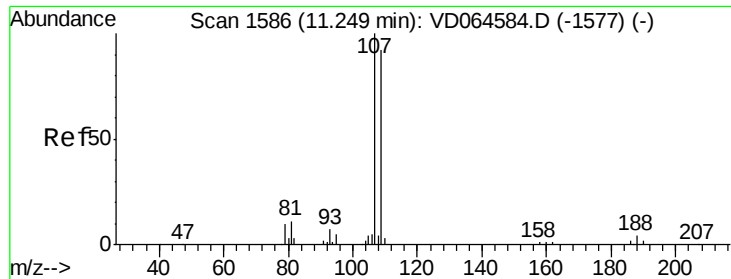
1/6/2020 10:49:53 AM



#60
Dibromochloromethane
Concen: 20.446 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD064729.D
Acq: 03 Jan 2020 12:44

Tgt Ion: 129 Resp: 81152
Ion Ratio Lower Upper
129 100
127 79.1 38.4 115.2





#61
 1,2-Dibromoethane
 Concen: 20.409 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD064729.D
 Acq: 03 Jan 2020 12:44

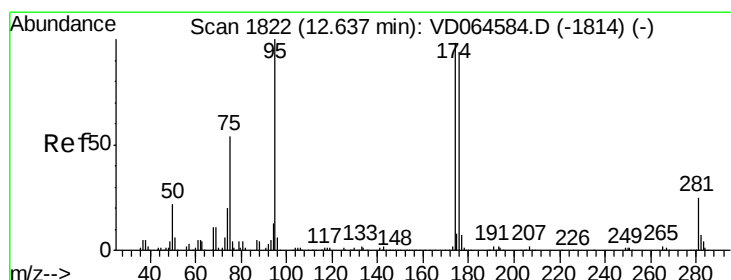
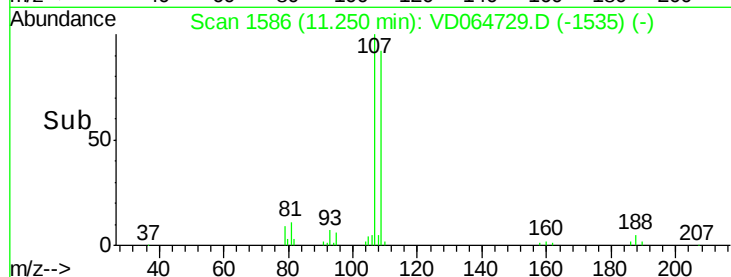
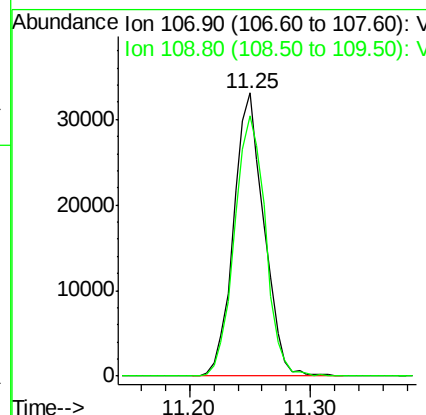
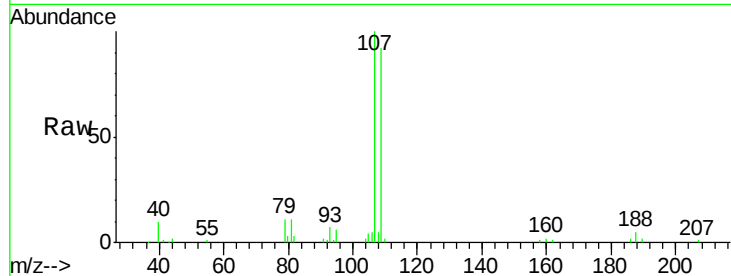
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0103SBSD01

Tgt Ion: 107 Resp: 57776
 Ion Ratio Lower Upper
 107 100
 109 93.9 75.6 113.4

Manual Integrations
 APPROVED

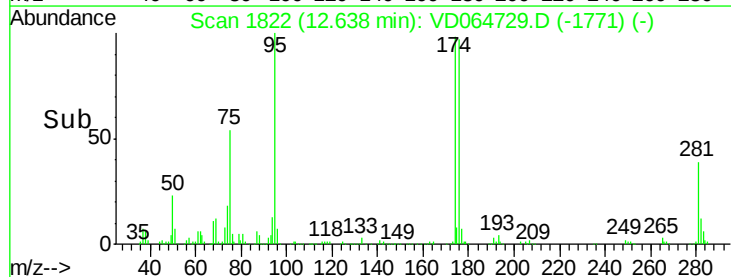
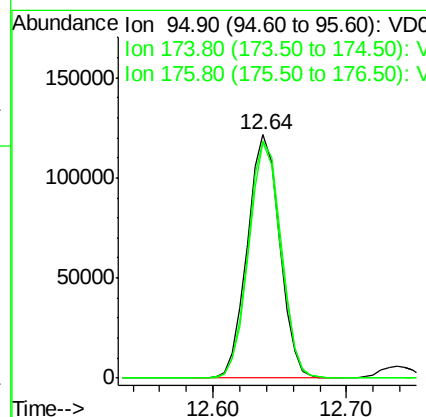
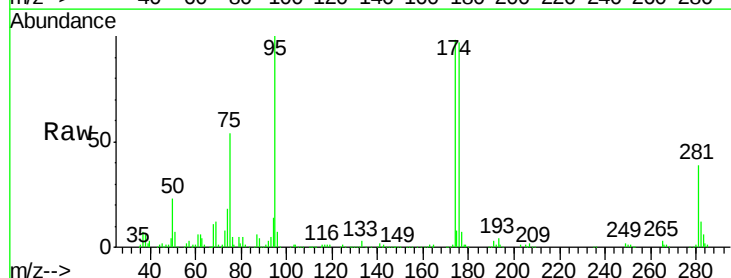
apatel

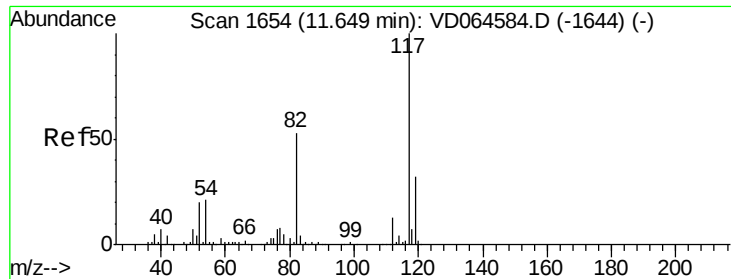
1/6/2020 10:49:53 AM



#62
 4-Bromofluorobenzene
 Concen: 44.889 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD064729.D
 Acq: 03 Jan 2020 12:44

Tgt Ion: 95 Resp: 203082
 Ion Ratio Lower Upper
 95 100
 174 99.1 0.0 193.2
 176 95.1 0.0 184.2





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD064729.D
Acq: 03 Jan 2020 12:44

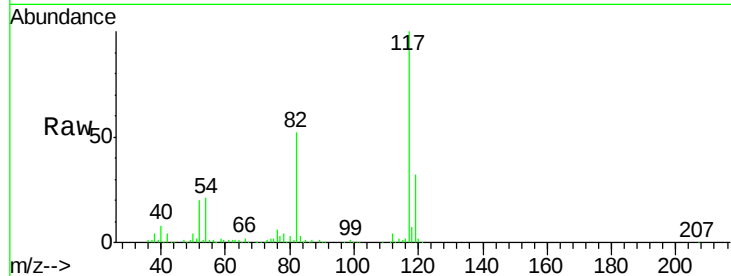
Instrument :
MSVOA_D
ClientSampleId :
VD0103SBSD01

Tgt Ion	Ratio	Lower	Upper
117	100		
82	51.5	42.2	63.4
119	31.7	26.0	39.0

Manual Integrations
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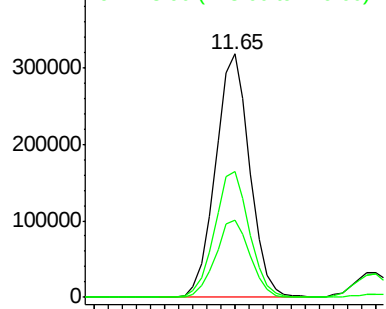


Abundance

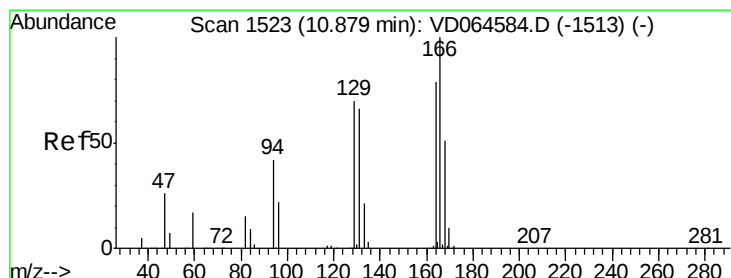
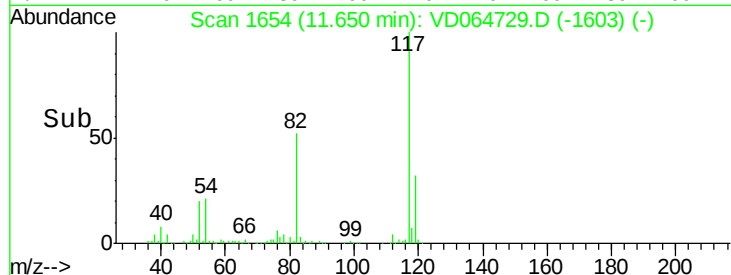
Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



Time-->



#64
Tetrachloroethene
Concen: 20.243 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. -0.01 min
Lab File: VD064729.D
Acq: 03 Jan 2020 12:44

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.8	101.3	151.9
129	91.6	70.5	105.7
131	84.0	66.6	99.8

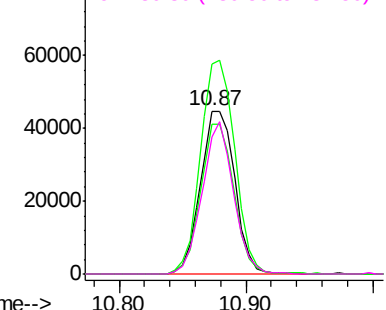
Abundance

Ion 163.80 (163.50 to 164.50): V

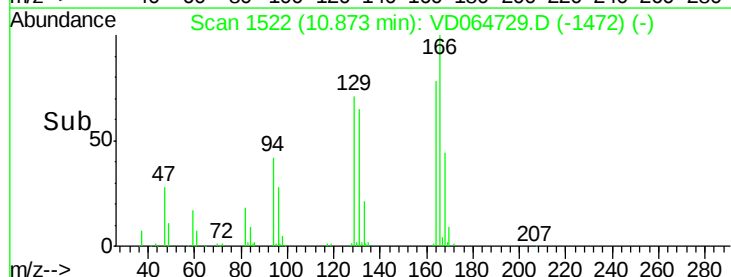
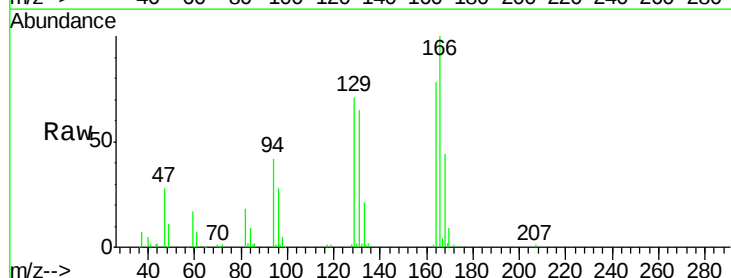
Ion 165.80 (165.50 to 166.50): V

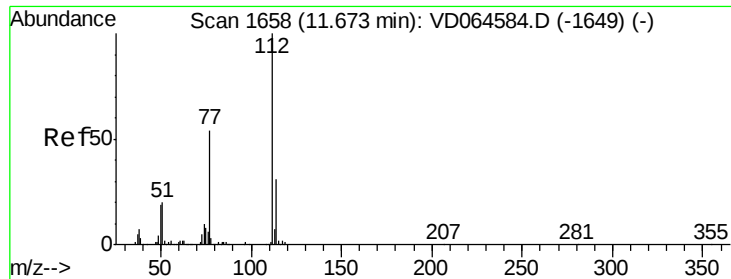
Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



Time-->





#65

Chlorobenzene

Concen: 20.147 ug/l

RT: 11.67 min Scan# 1658

Delta R.T. 0.00 min

Lab File: VD064729.D

Acq: 03 Jan 2020 12:44

Instrument :

MSVOA_D

ClientSampleId :

VD0103SBSD01

Tgt Ion:112 Resp: 225286

Ion Ratio Lower Upper

112 100

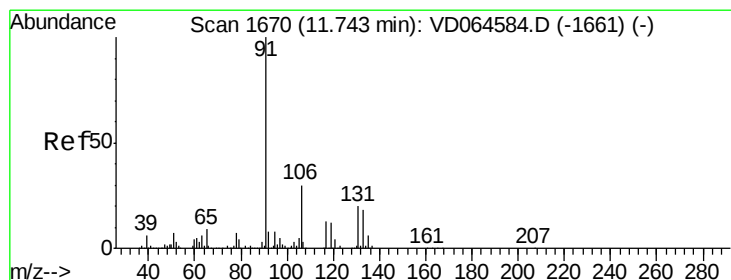
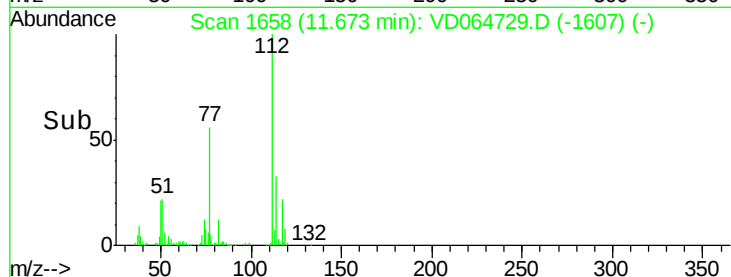
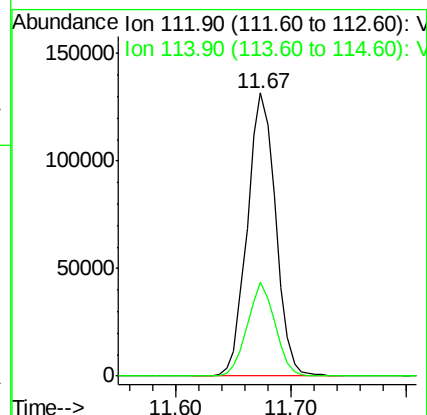
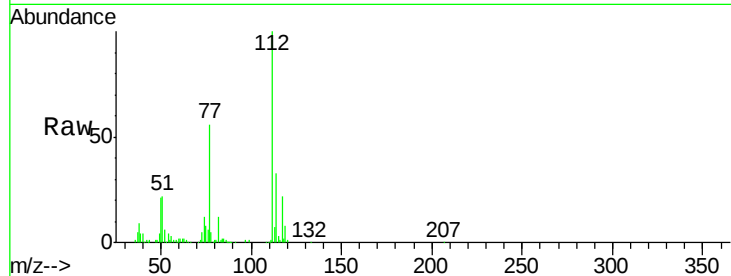
114 33.1 24.8 37.2

Manual Integrations

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#66

1,1,1,2-Tetrachloroethane

Concen: 20.639 ug/l

RT: 11.74 min Scan# 1670

Delta R.T. 0.00 min

Lab File: VD064729.D

Acq: 03 Jan 2020 12:44

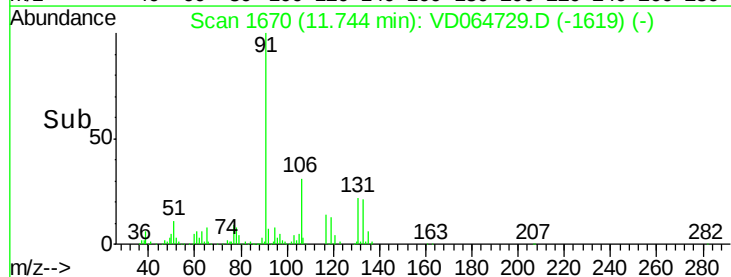
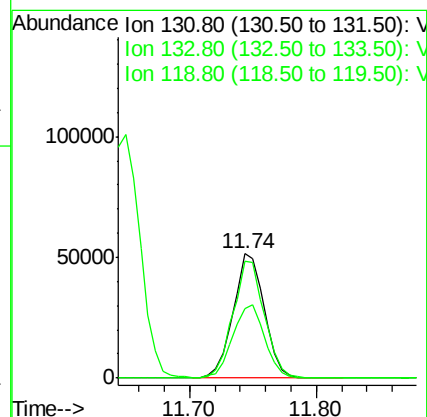
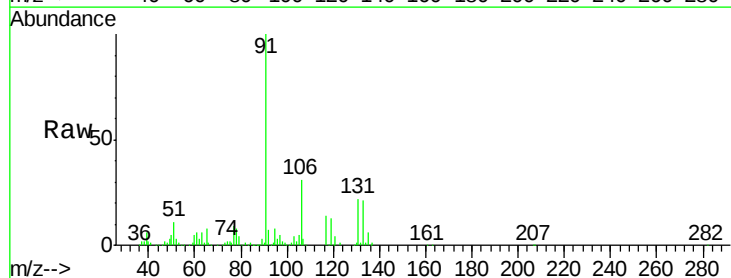
Tgt Ion:131 Resp: 87005

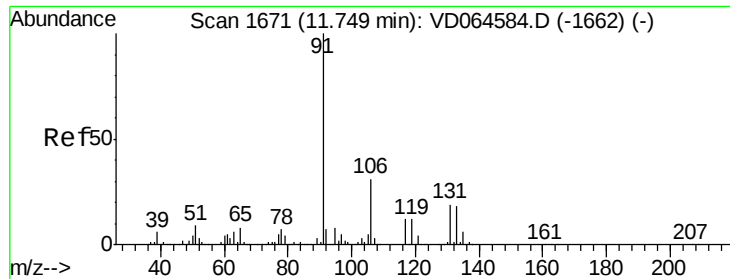
Ion Ratio Lower Upper

131 100

133 95.9 48.3 144.8

119 61.3 32.1 96.3





#67
Ethyl Benzene
Concen: 19.996 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD064729.D
Acq: 03 Jan 2020 12:44

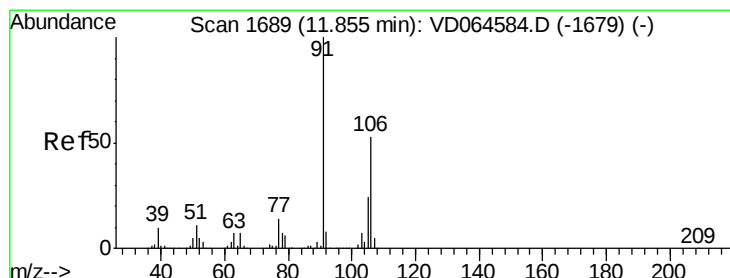
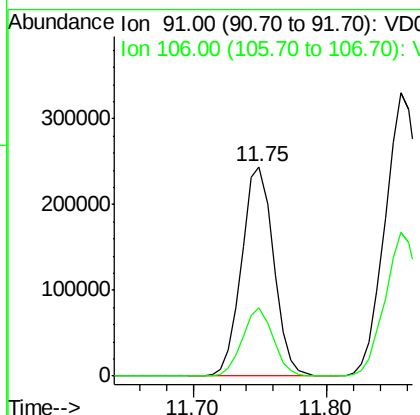
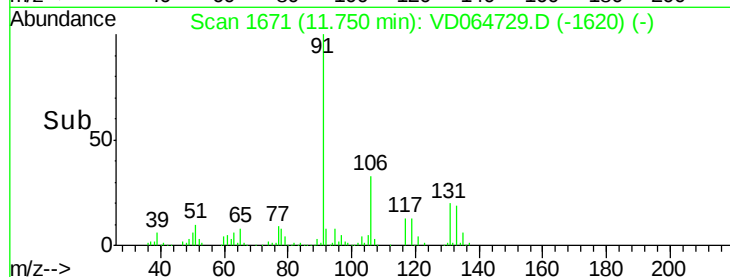
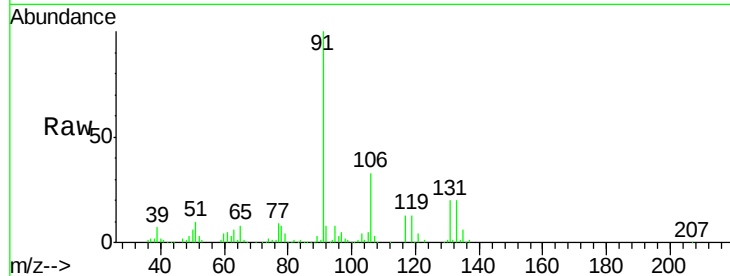
Instrument :
MSVOA_D
ClientSampleId :
VD0103SBSD01

Tgt Ion: 91 Resp: 405847
Ion Ratio Lower Upper
91 100
106 32.7 24.6 36.8

Manual Integrations
APPROVED

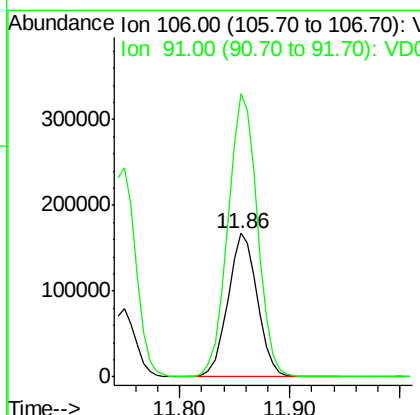
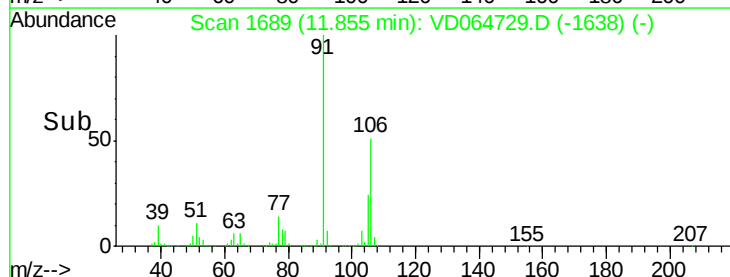
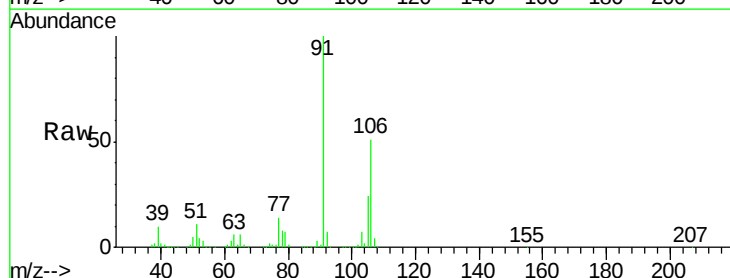
apatel

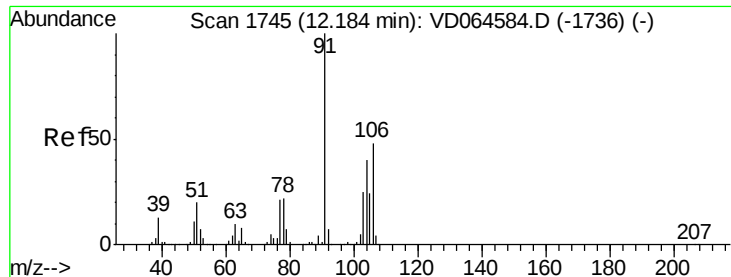
1/6/2020 10:49:53 AM



#68
m/p-Xylenes
Concen: 39.719 ug/l
RT: 11.86 min Scan# 1689
Delta R.T. 0.00 min
Lab File: VD064729.D
Acq: 03 Jan 2020 12:44

Tgt Ion: 106 Resp: 311161
Ion Ratio Lower Upper
106 100
91 198.3 156.3 234.5





#69
o-Xylene
Concen: 19.593 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD064729.D
Acq: 03 Jan 2020 12:44

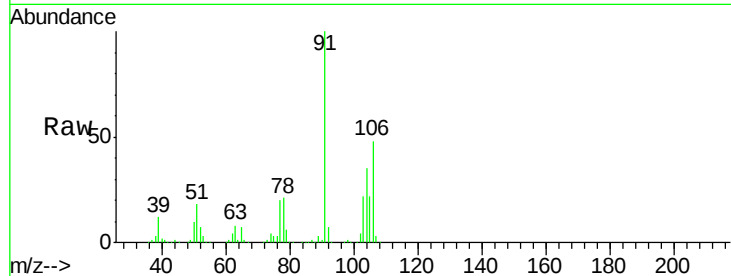
Instrument :
MSVOA_D
ClientSampleId :
VD0103SBSD01

Tgt Ion:106 Resp: 138642
Ion Ratio Lower Upper
106 100
91 216.4 104.8 314.4

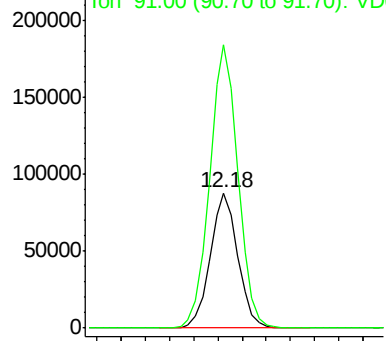
Manual Integrations
APPROVED

apatel

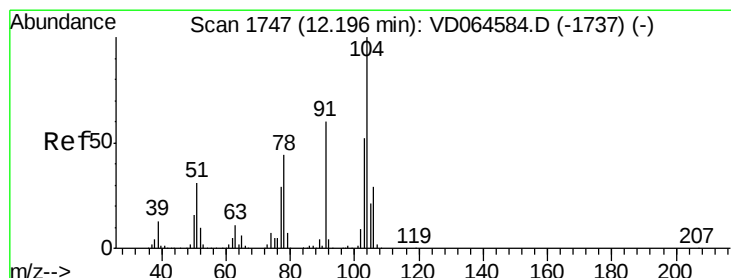
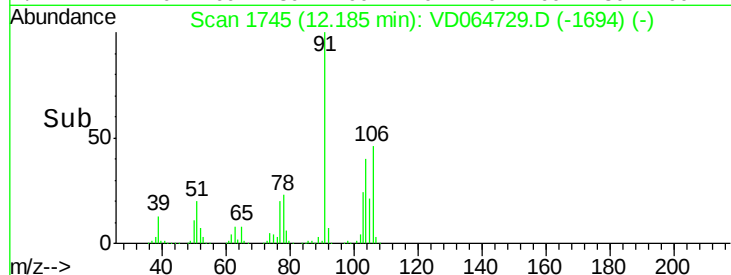
1/6/2020 10:49:53 AM



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): V

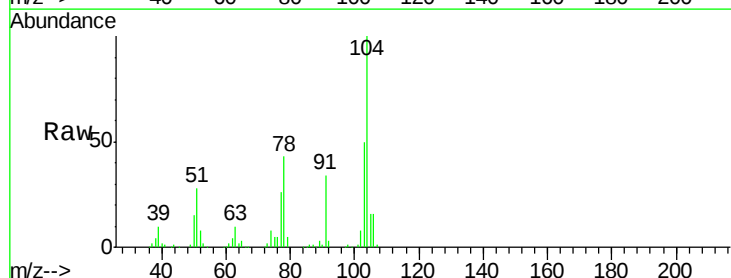


Time-->

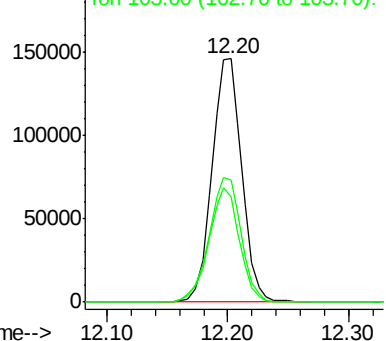


#70
Styrene
Concen: 20.125 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. 0.01 min
Lab File: VD064729.D
Acq: 03 Jan 2020 12:44

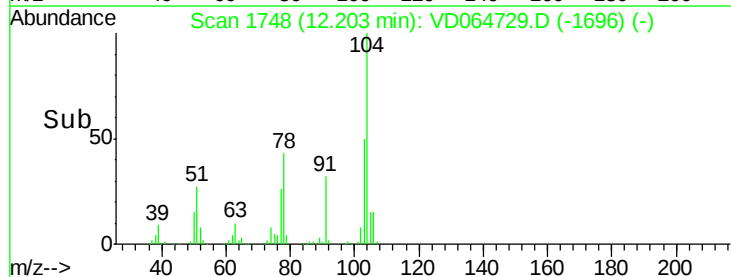
Tgt Ion:104 Resp: 249961
Ion Ratio Lower Upper
104 100
78 48.5 38.2 57.2
103 55.1 44.6 67.0

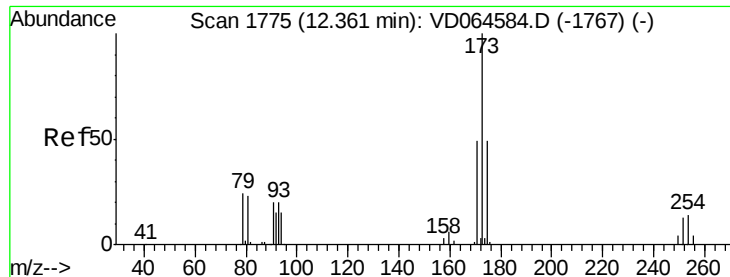


Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): V
Ion 103.00 (102.70 to 103.70): V



Time-->





#71
Bromoform
Concen: 20.335 ug/l
RT: 12.37 min Scan# 1776
Delta R.T. 0.01 min
Lab File: VD064729.D
Acq: 03 Jan 2020 12:44

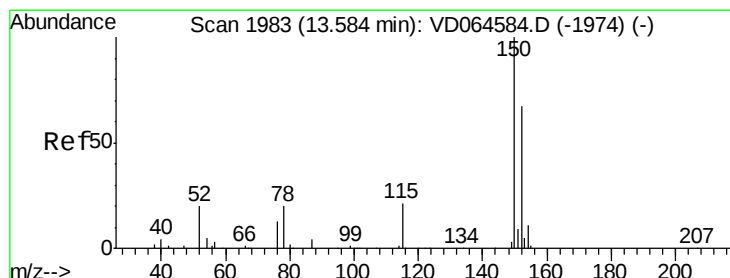
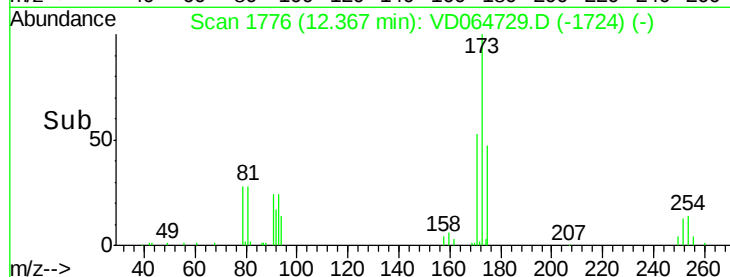
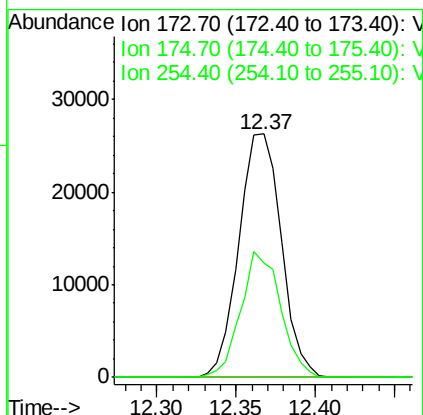
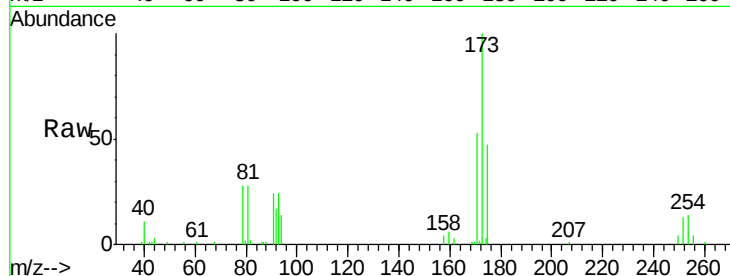
Instrument :
MSVOA_D
ClientSampleId :
VD0103SBSD01

Tgt Ion	Ratio	Lower	Upper
173	100		
175	48.4	24.6	73.8
254	0.0	0.1	0.1

Manual Integrations
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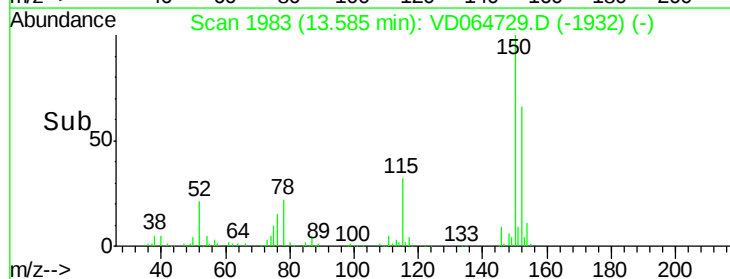
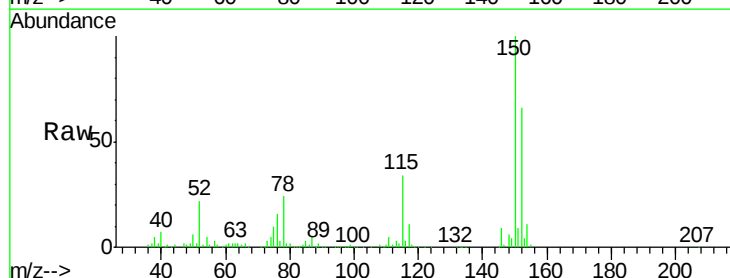
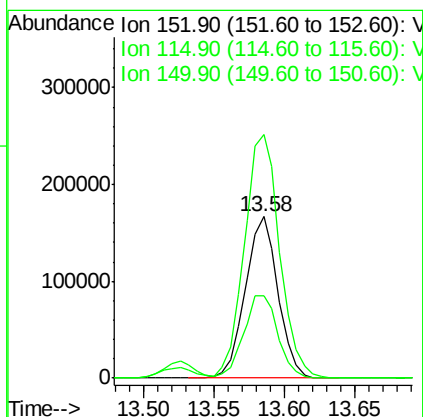
apatel

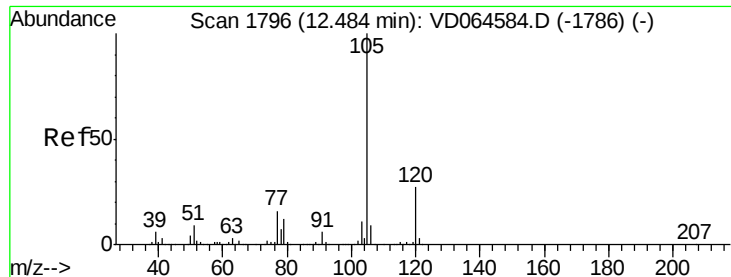
1/6/2020 10:49:53 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.00 min
Lab File: VD064729.D
Acq: 03 Jan 2020 12:44

Tgt Ion	Ratio	Lower	Upper
152	100		
115	53.6	27.8	83.4
150	163.3	0.0	351.4





#73

Isopropylbenzene

Concen: 20.138 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD064729.D

Acq: 03 Jan 2020 12:44

Instrument :

MSVOA_D

ClientSampleId :

VD0103SBS01

Tgt Ion: 105 Resp: 388035

Ion Ratio Lower Upper

105 100

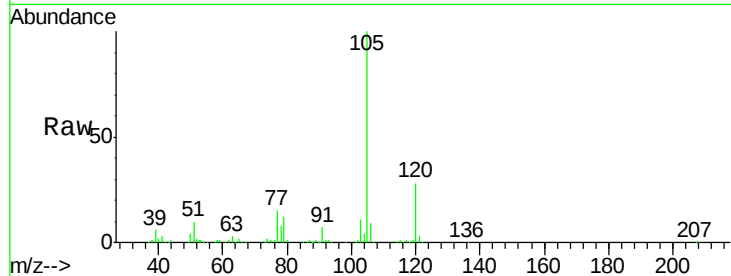
120 27.7 13.5 40.5

Manual Integrations

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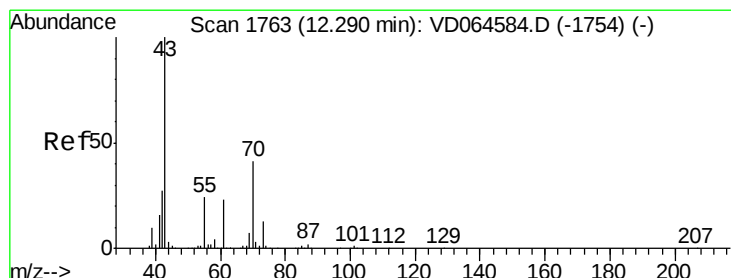
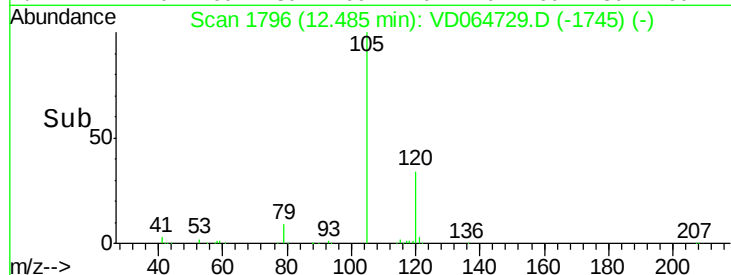
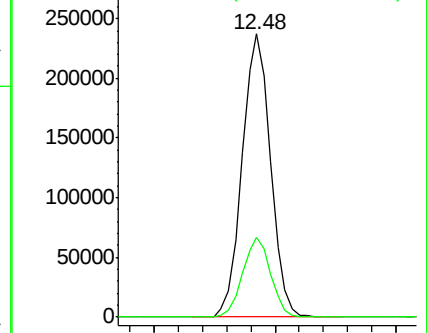
apatel

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 20.676 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. 0.01 min

Lab File: VD064729.D

Acq: 03 Jan 2020 12:44

Tgt Ion: 43 Resp: 85165

Ion Ratio Lower Upper

43 100

70 40.7 33.4 50.0

55 24.2 19.4 29.0

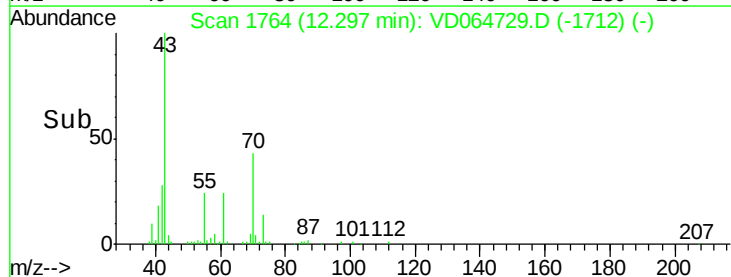
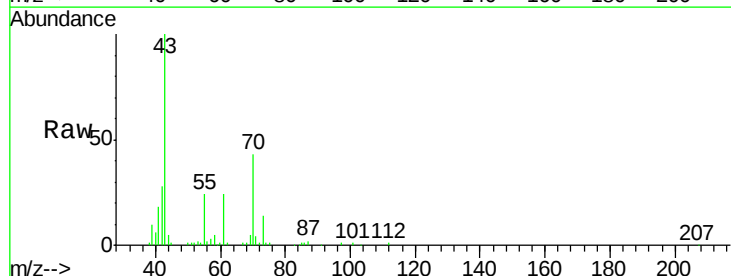
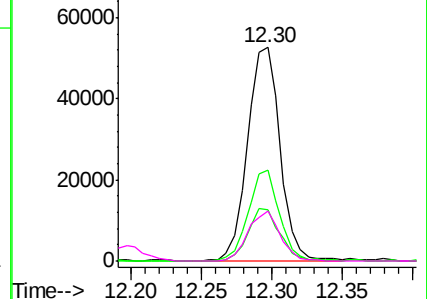
61 22.9 18.3 27.5

Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 21.152 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD064729.D

Acq: 03 Jan 2020 12:44

Instrument :

MSVOA_D

ClientSampleId :

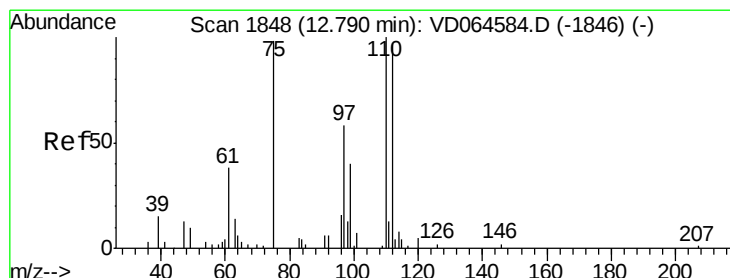
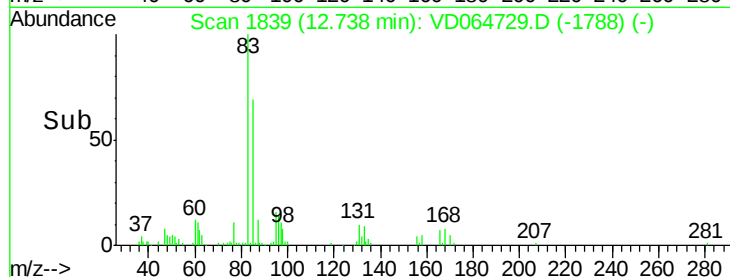
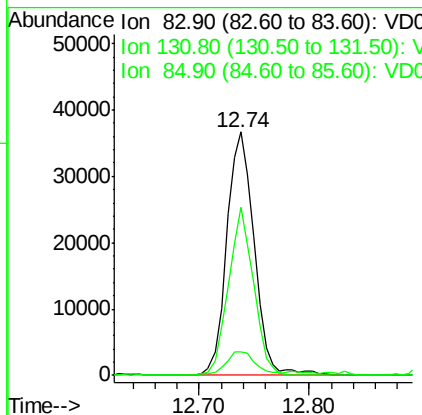
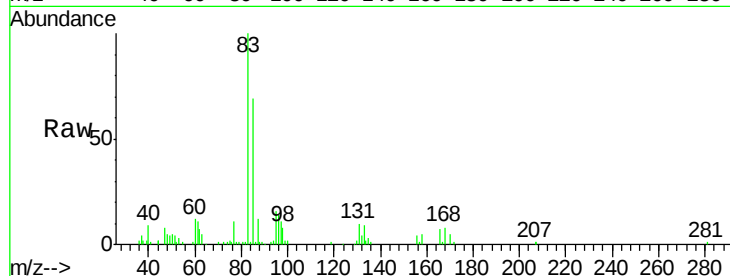
VD0103SBSD01

Tgt Ion:	83	Resp:	64026
Ion Ratio	Lower	Upper	
83	100		
131	10.8	5.8	17.4
85	63.2	32.3	96.9

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 18.925 ug/l m

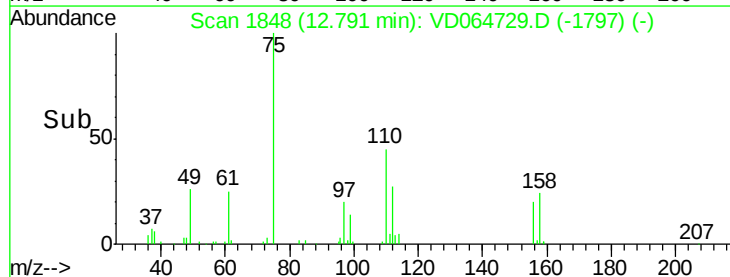
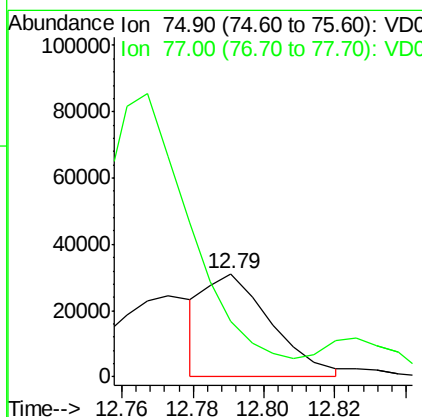
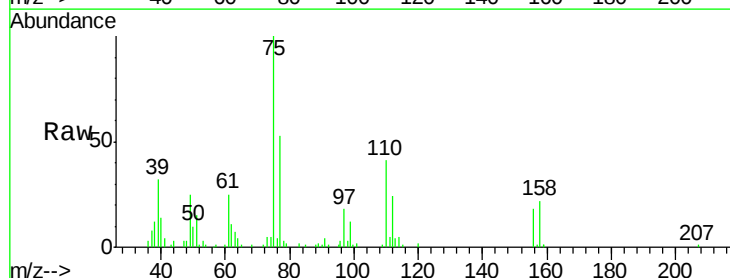
RT: 12.79 min Scan# 1848

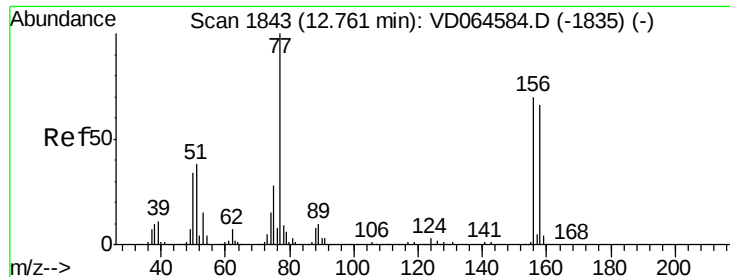
Delta R.T. 0.00 min

Lab File: VD064729.D

Acq: 03 Jan 2020 12:44

Tgt Ion:	75	Resp:	40297
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 20.228 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.01 min

Lab File: VD064729.D

Acq: 03 Jan 2020 12:44

Instrument :

MSVOA_D

ClientSampleId :

VD0103SBSD01

Tgt Ion:156 Resp: 95775

Ion Ratio Lower Upper

156 100

77 164.9 80.9 242.7

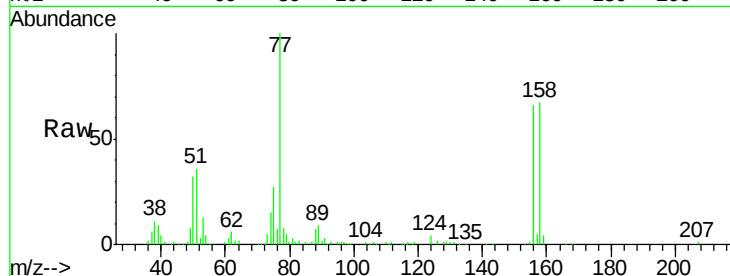
158 101.1 48.0 144.2

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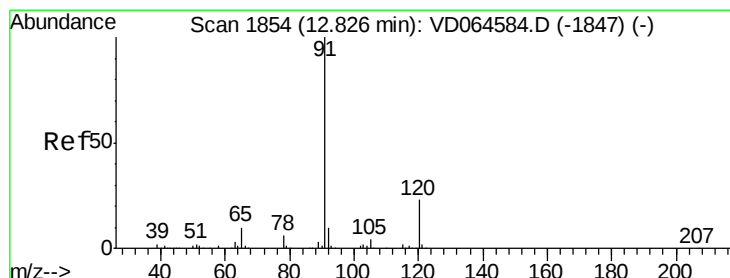
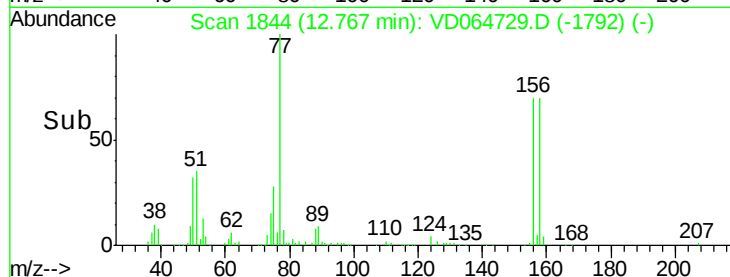
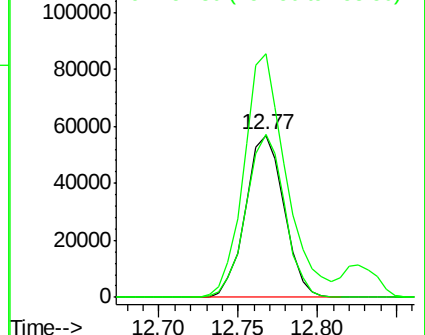
1/6/2020 10:49:53 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.292 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD064729.D

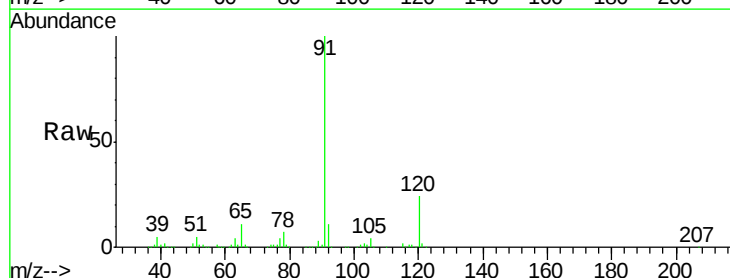
Acq: 03 Jan 2020 12:44

Tgt Ion: 91 Resp: 456154

Ion Ratio Lower Upper

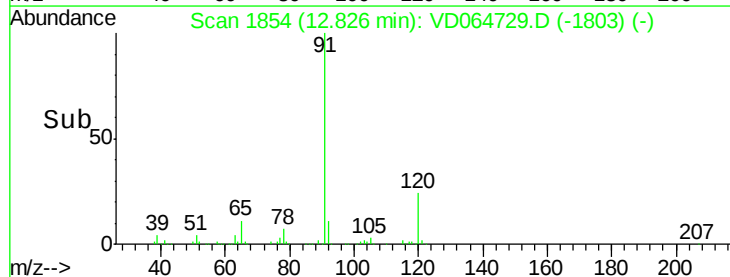
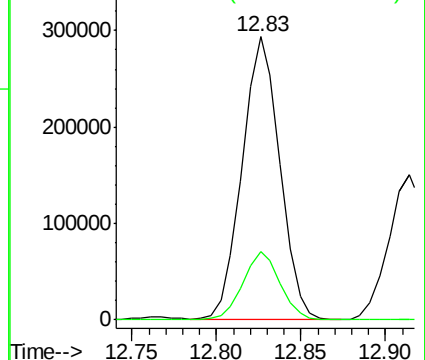
91 100

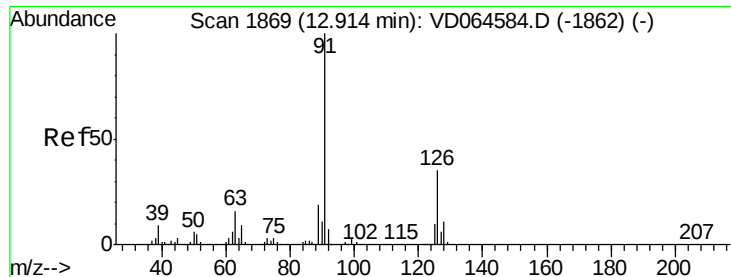
120 23.8 11.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.165 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.00 min

Lab File: VD064729.D

Acq: 03 Jan 2020 12:44

Instrument :

MSVOA_D

ClientSampleId :

VD0103SBSD01

Tgt Ion: 91 Resp: 249020

Ion Ratio Lower Upper

91 100

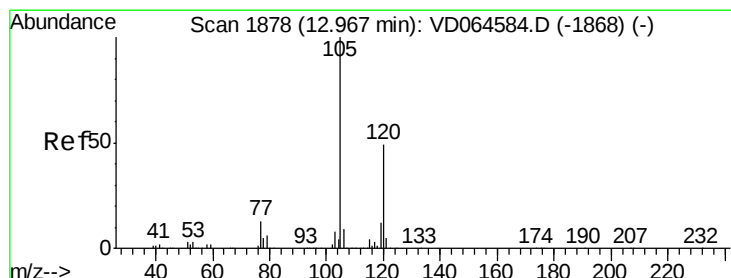
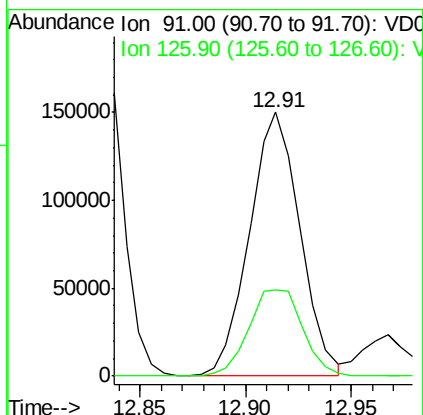
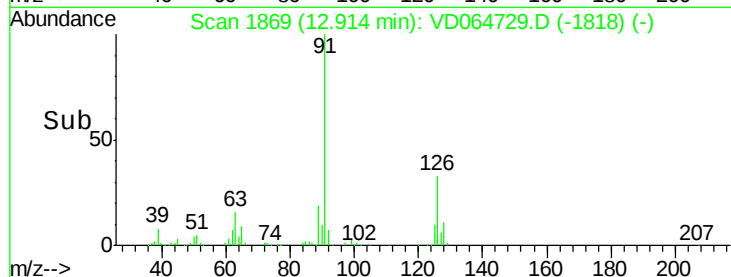
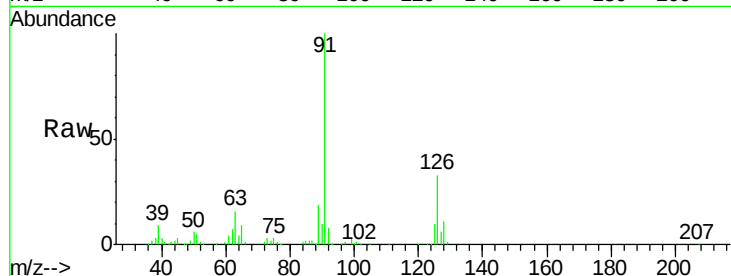
126 35.2 17.8 53.5

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 19.933 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.00 min

Lab File: VD064729.D

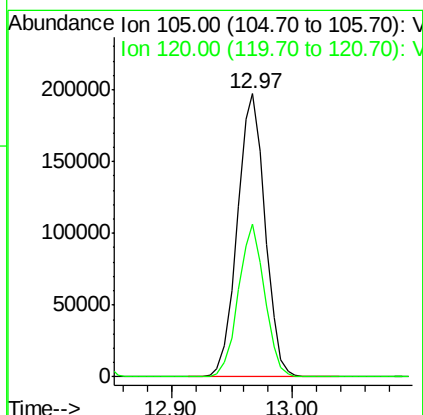
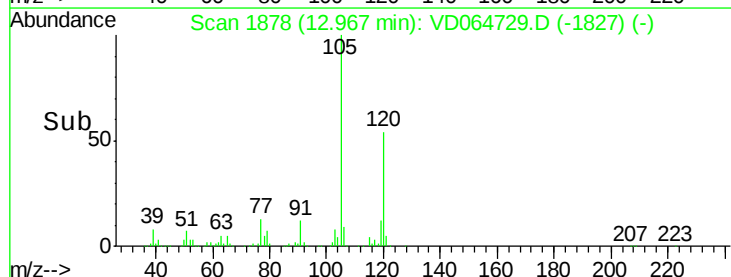
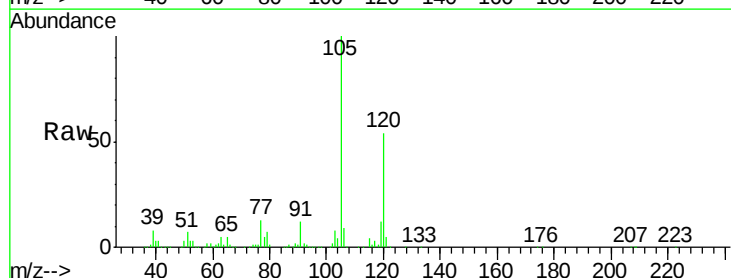
Acq: 03 Jan 2020 12:44

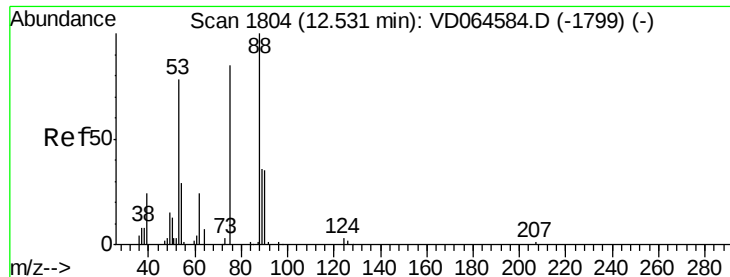
Tgt Ion: 105 Resp: 315510

Ion Ratio Lower Upper

105 100

120 51.2 25.0 75.0





#81

trans-1,4-Dichloro-2-butene

Concen: 20.324 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VD064729.D

Acq: 03 Jan 2020 12:44

Instrument :

MSVOA_D

ClientSampleId :

VD0103SBSD01

Tgt Ion: 75 Resp: 20691

Ion Ratio Lower Upper

75 100

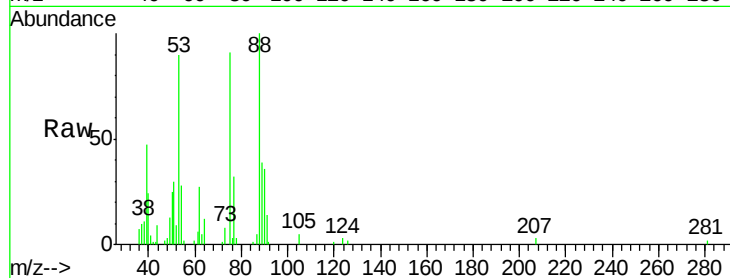
53 104.5 78.8 118.2

89 48.8 38.3 57.5

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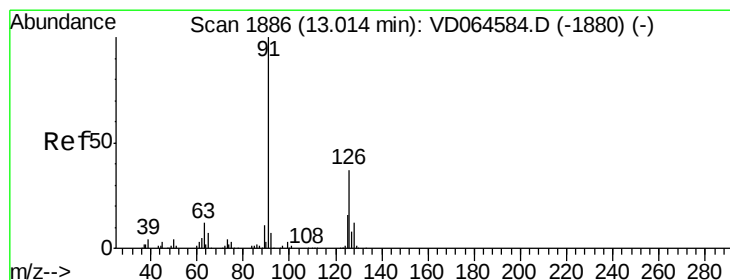
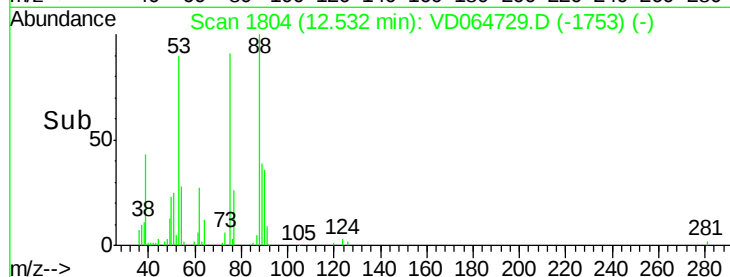
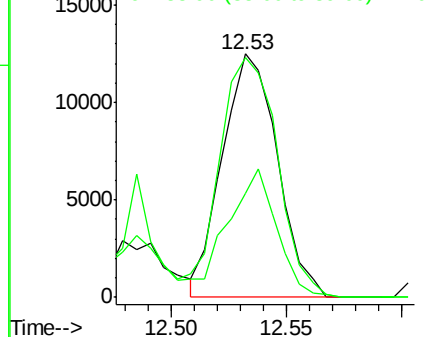
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Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 88.90 (88.60 to 89.60): VDC



#82

4-Chlorotoluene

Concen: 20.474 ug/l

RT: 13.01 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VD064729.D

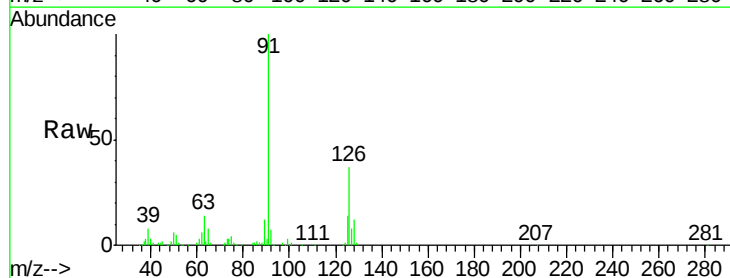
Acq: 03 Jan 2020 12:44

Tgt Ion: 91 Resp: 269069

Ion Ratio Lower Upper

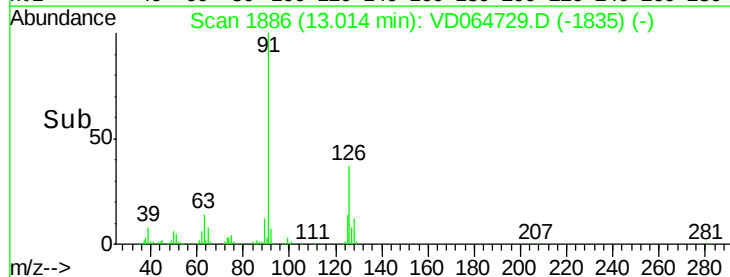
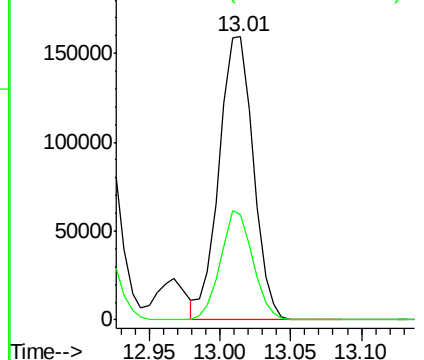
91 100

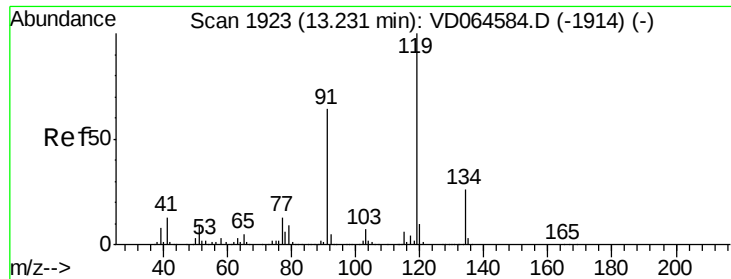
126 36.5 17.8 53.5



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.90 (125.60 to 126.60): VDC





#83
 tert-Butylbenzene
 Concen: 20.259 ug/l
 RT: 13.23 min Scan# 1923
 Delta R.T. 0.00 min
 Lab File: VD064729.D
 Acq: 03 Jan 2020 12:44

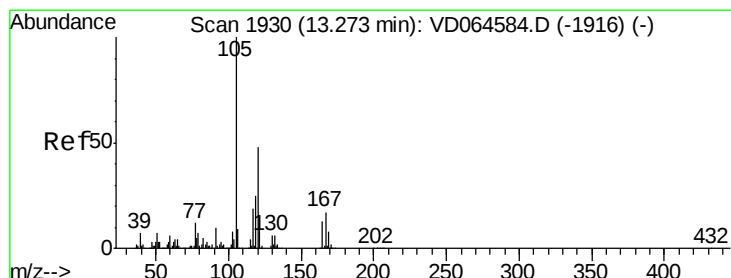
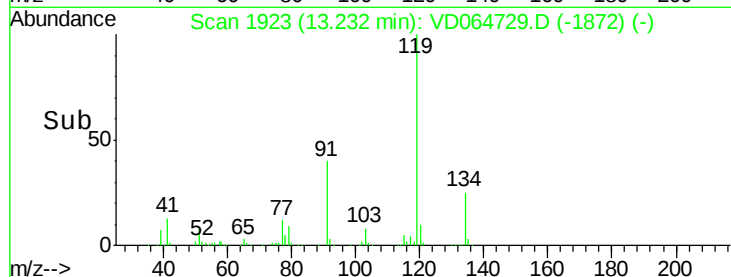
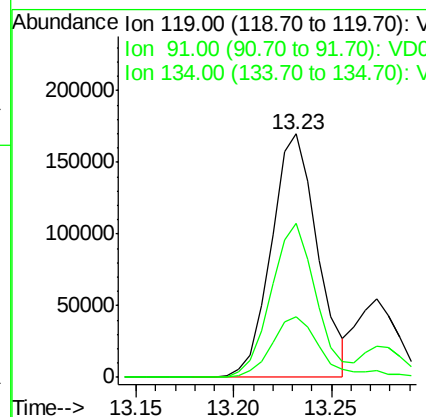
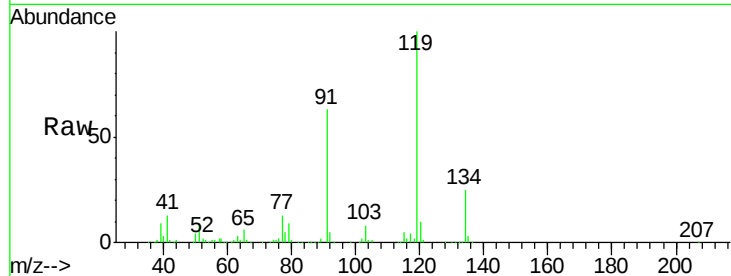
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0103SBSD01

Tgt Ion	Ratio	Lower	Upper
119	100		
91	62.2	30.8	92.4
134	26.9	12.8	38.3

Manual Integrations
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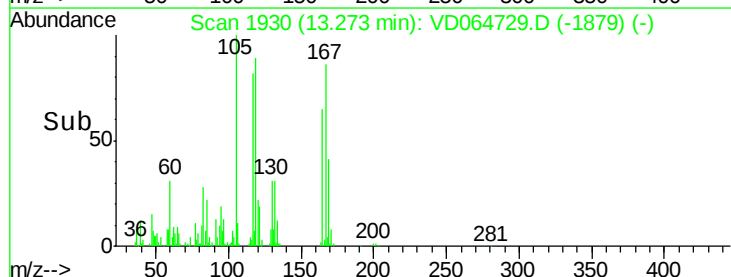
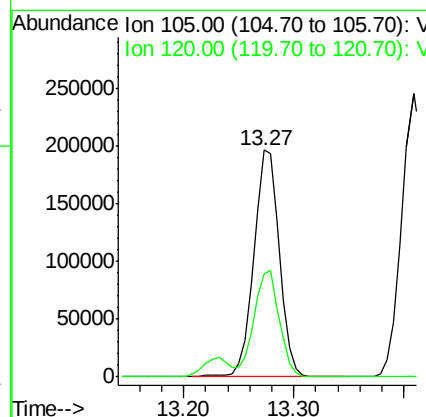
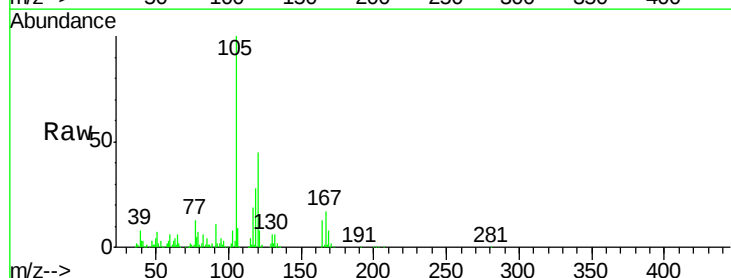
apatel

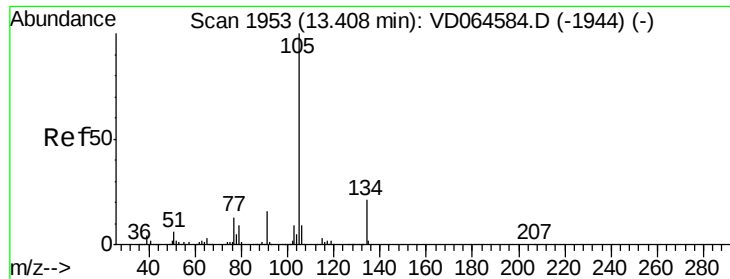
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#84
 1,2,4-Trimethylbenzene
 Concen: 20.240 ug/l
 RT: 13.27 min Scan# 1930
 Delta R.T. 0.00 min
 Lab File: VD064729.D
 Acq: 03 Jan 2020 12:44

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.0	23.8	71.2





#85
 sec-Butylbenzene
 Concen: 20.098 ug/l
 RT: 13.41 min Scan# 1953
 Delta R.T. 0.00 min
 Lab File: VD064729.D
 Acq: 03 Jan 2020 12:44

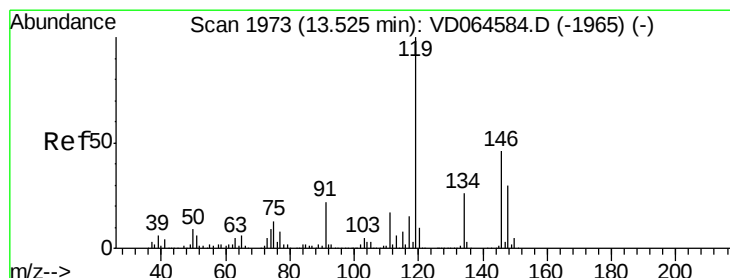
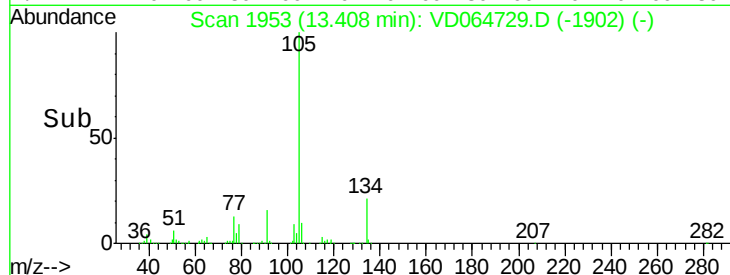
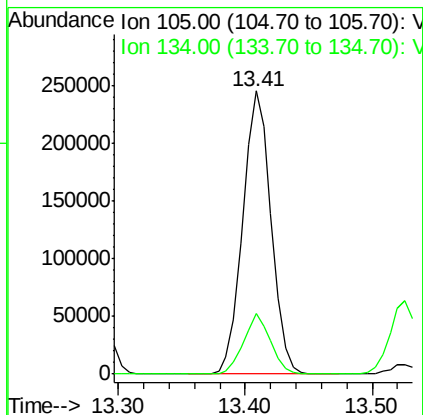
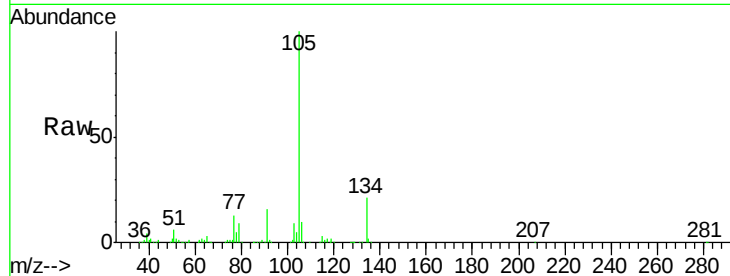
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0103SBSD01

Tgt Ion	Ratio	Lower	Upper
105	100		
134	20.5	10.6	31.8

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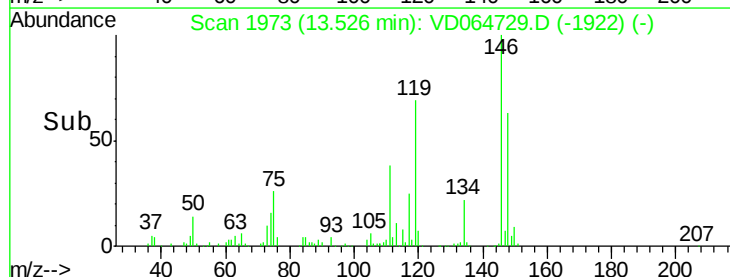
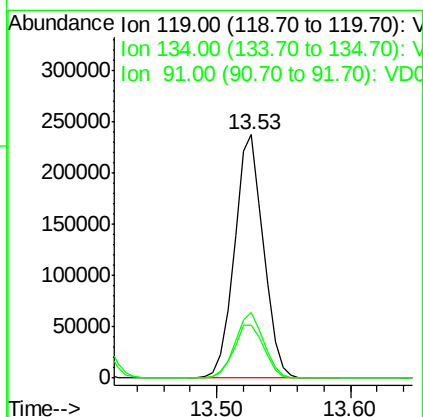
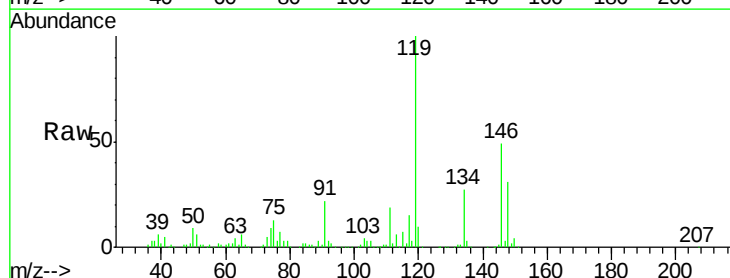
apatel

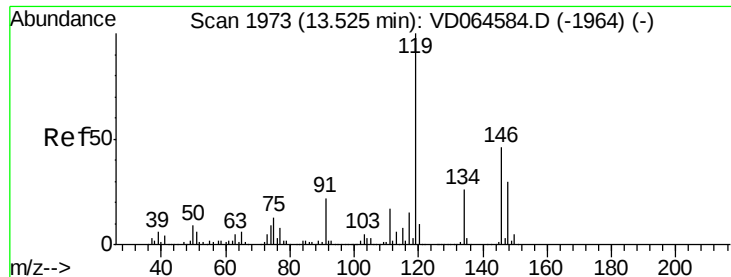
1/6/2020 10:49:53 AM



#86
 p-Isopropyltoluene
 Concen: 19.703 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.00 min
 Lab File: VD064729.D
 Acq: 03 Jan 2020 12:44

Tgt Ion	Ratio	Lower	Upper
119	100		
134	27.0	13.4	40.1
91	23.2	11.2	33.6





#87
 1,3-Dichlorobenzene
 Concen: 20.250 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.00 min
 Lab File: VD064729.D
 Acq: 03 Jan 2020 12:44

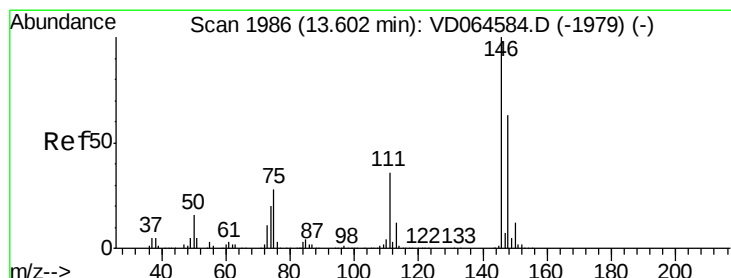
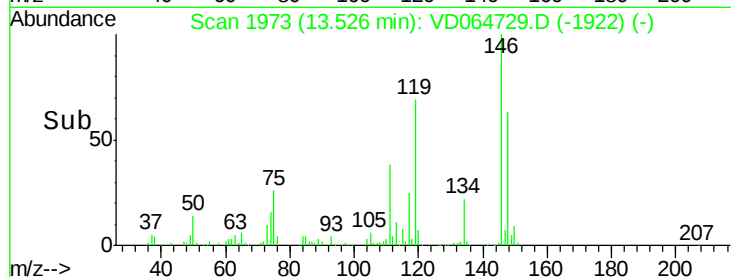
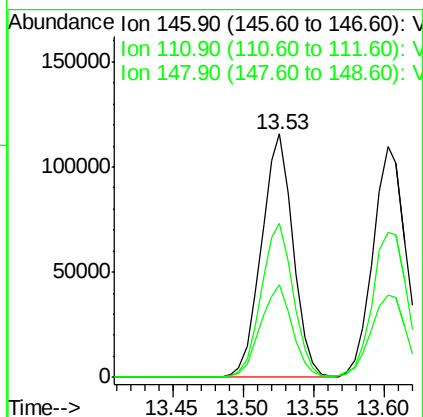
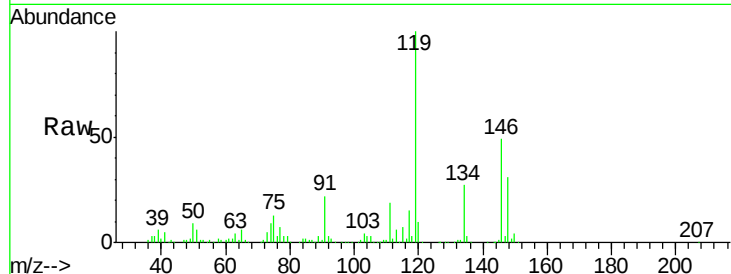
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0103SBSD01

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	182778		
111	38.3	18.8	56.4	
148	63.8	32.5	97.5	

Manual Integrations
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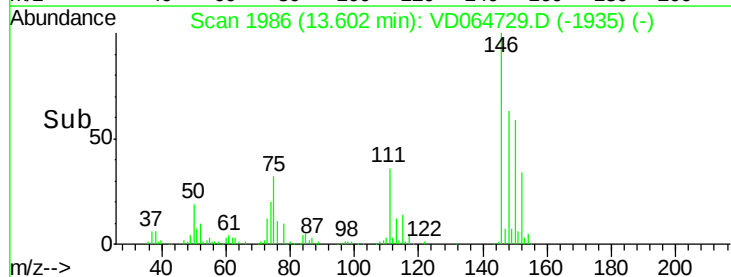
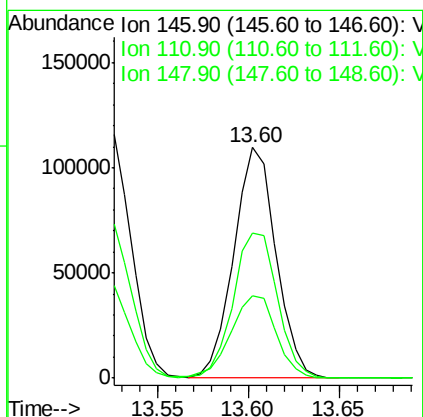
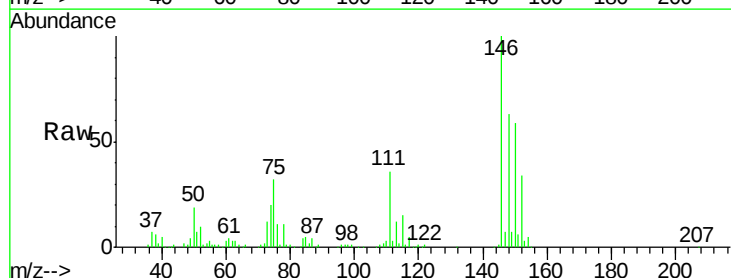
apatel

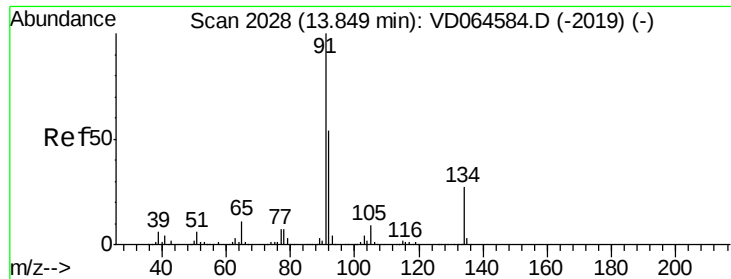
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#88
 1,4-Dichlorobenzene
 Concen: 20.016 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VD064729.D
 Acq: 03 Jan 2020 12:44

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	177478		
111	38.6	18.1	54.1	
148	66.3	32.3	96.9	





#89
n-Butylbenzene
Concen: 20.490 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.00 min
Lab File: VD064729.D
Acq: 03 Jan 2020 12:44

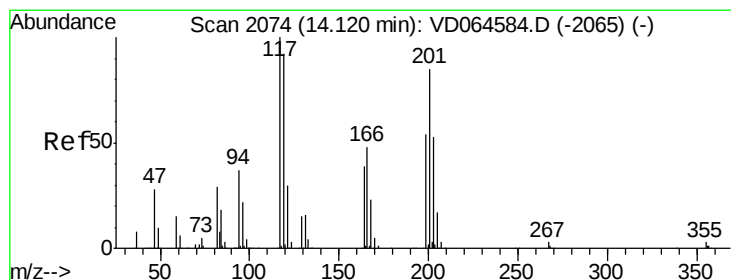
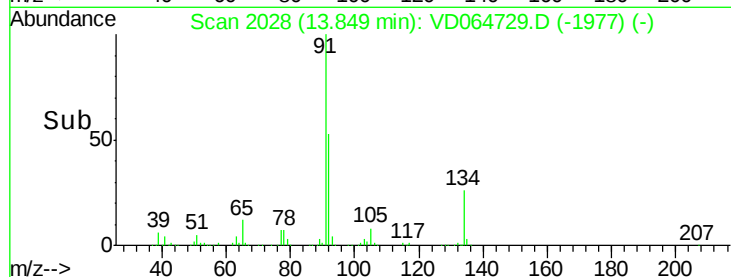
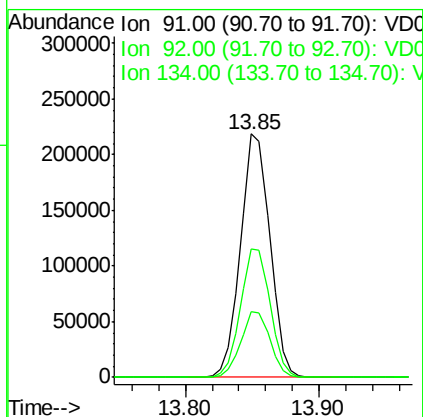
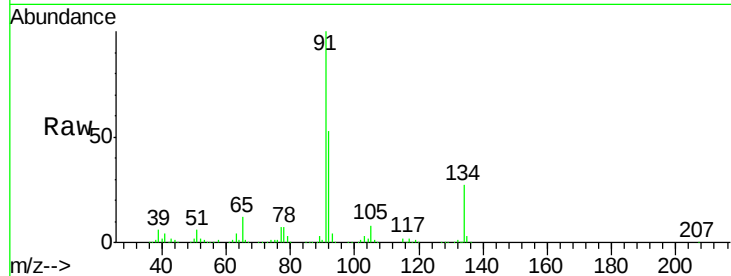
Instrument :
MSVOA_D
ClientSampleId :
VD0103SBSD01

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	332428		
92	53.1	26.8	80.4	
134	26.8	14.0	41.9	

Manual Integrations
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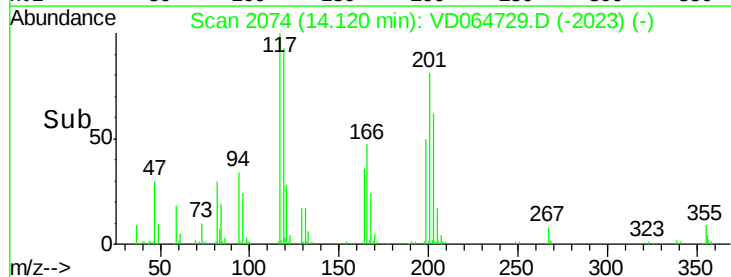
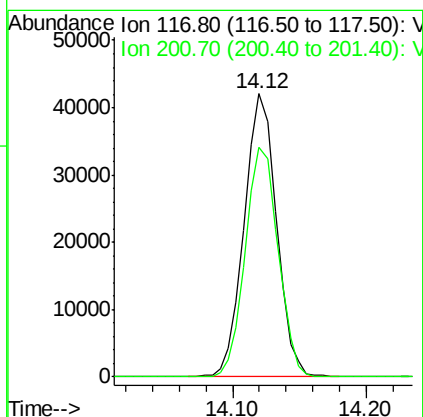
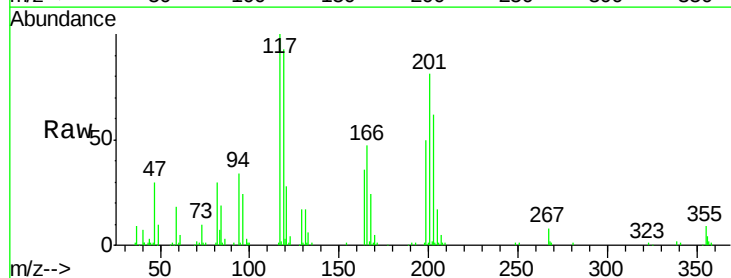
apatel

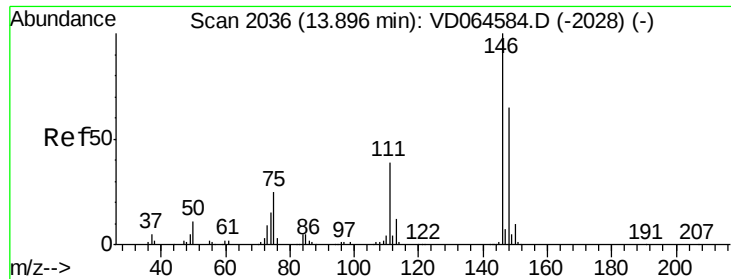
1/6/2020 10:49:53 AM



#90
Hexachloroethane
Concen: 20.426 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.00 min
Lab File: VD064729.D
Acq: 03 Jan 2020 12:44

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	70295		
201	82.3	44.0	131.8	





#91

1,2-Dichlorobenzene

Concen: 20.209 ug/l

RT: 13.90 min Scan# 2036

Delta R.T. 0.00 min

Lab File: VD064729.D

Acq: 03 Jan 2020 12:44

Instrument :

MSVOA_D

ClientSampleId :

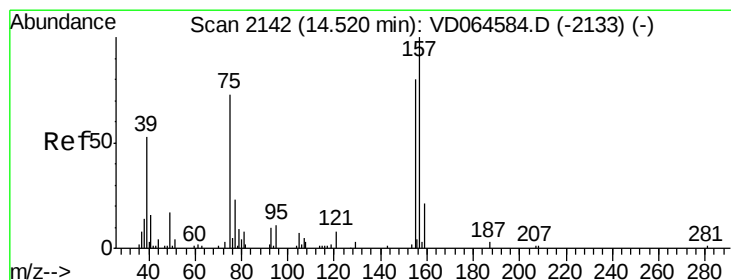
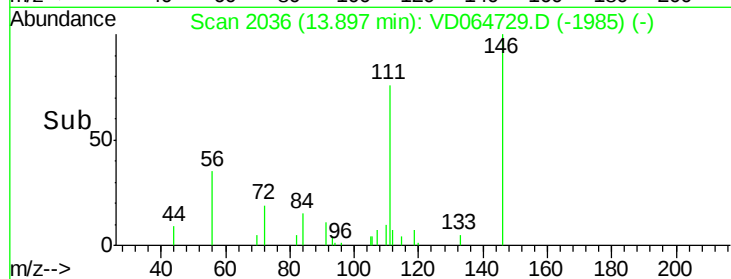
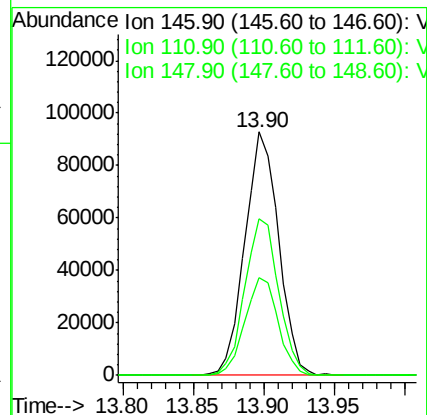
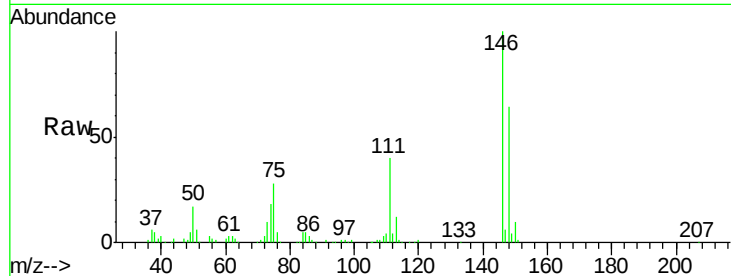
VD0103SBS01

Tgt Ion:	146	Resp:	155537
Ion Ratio	Lower	Upper	
146	100		
111	39.5	19.3	57.9
148	64.6	31.9	95.5

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#92

1,2-Dibromo-3-Chloropropane

Concen: 20.909 ug/l

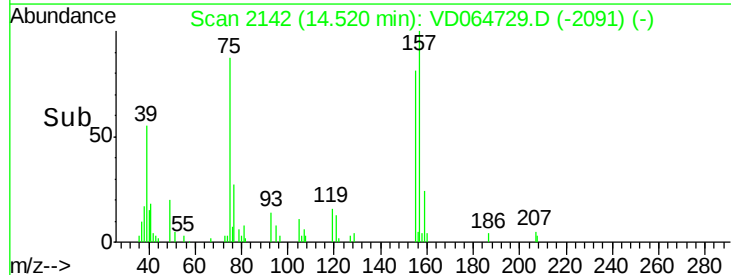
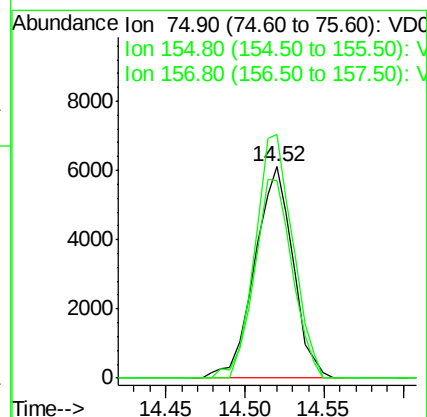
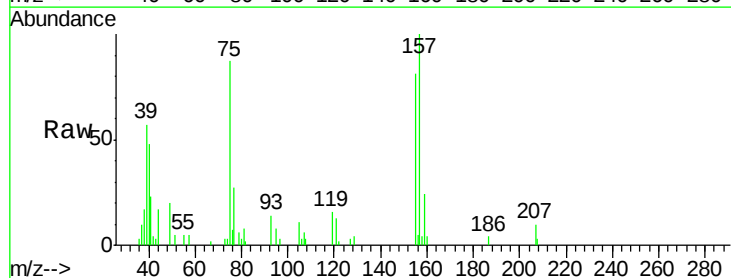
RT: 14.52 min Scan# 2142

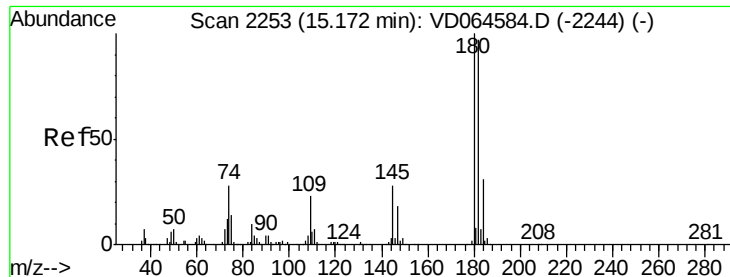
Delta R.T. 0.00 min

Lab File: VD064729.D

Acq: 03 Jan 2020 12:44

Tgt Ion:	75	Resp:	10260
Ion Ratio	Lower	Upper	
75	100		
155	93.8	48.0	144.0
157	112.6	64.1	192.3





#93
1,2,4-Trichlorobenzene
Concen: 19.675 ug/l
RT: 15.18 min Scan# 2254
Delta R.T. 0.01 min
Lab File: VD064729.D
Acq: 03 Jan 2020 12:44

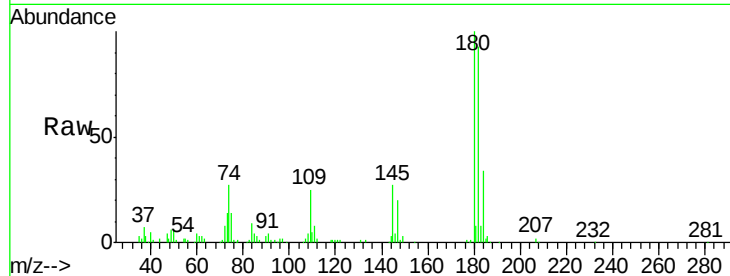
Instrument :
MSVOA_D
ClientSampleId :
VD0103SBSD01

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	111496		
182	96.2	48.0	144.2	
145	28.1	13.8	41.4	

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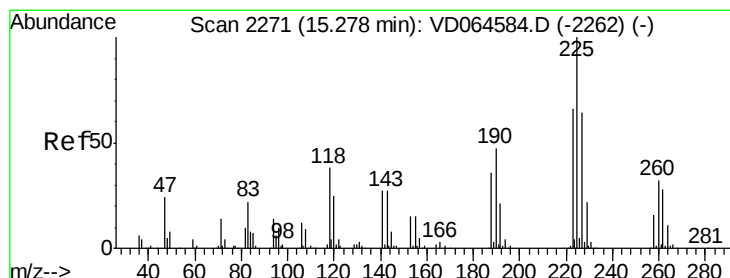
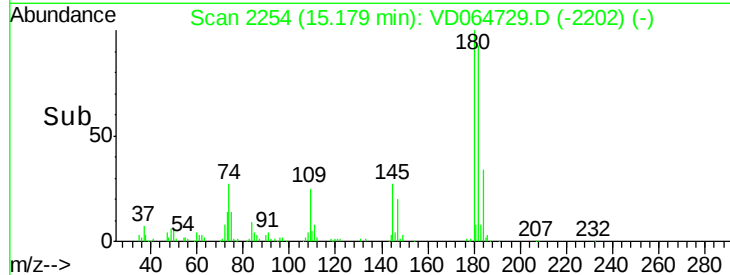
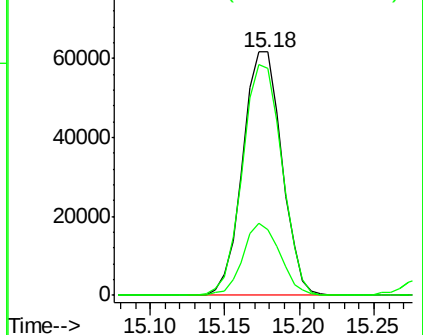


Abundance

Ion 179.80 (179.50 to 180.50): V

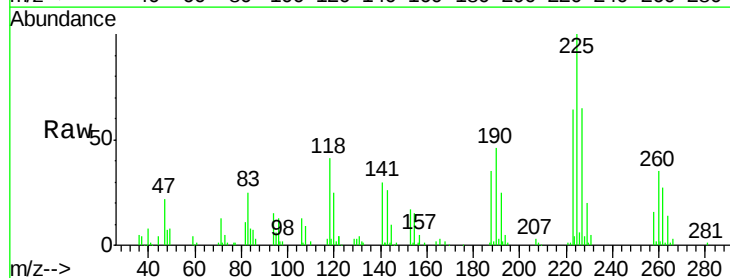
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
Hexachlorobutadiene
Concen: 19.613 ug/l
RT: 15.28 min Scan# 2271
Delta R.T. 0.00 min
Lab File: VD064729.D
Acq: 03 Jan 2020 12:44

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	69942		
223	63.5	31.1	93.2	
227	60.4	30.9	92.7	

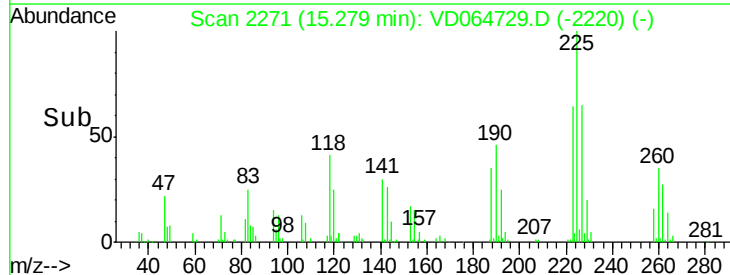
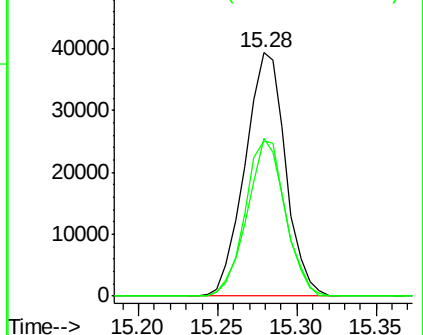


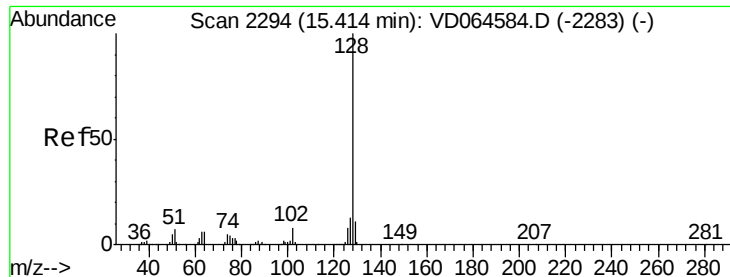
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





#95
Naphthalene
Concen: 19.444 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. 0.00 min
Lab File: VD064729.D
Acq: 03 Jan 2020 12:44

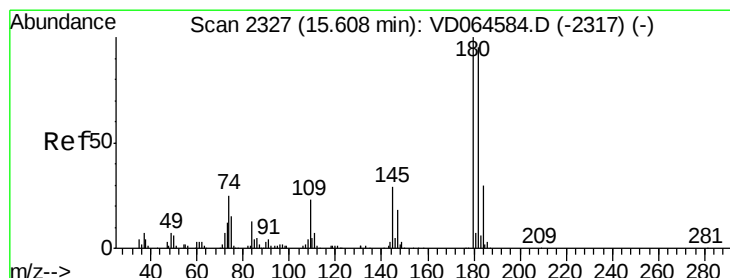
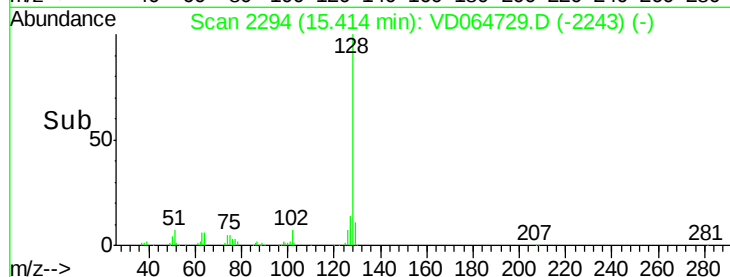
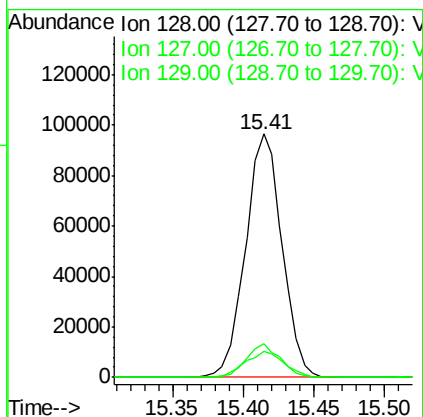
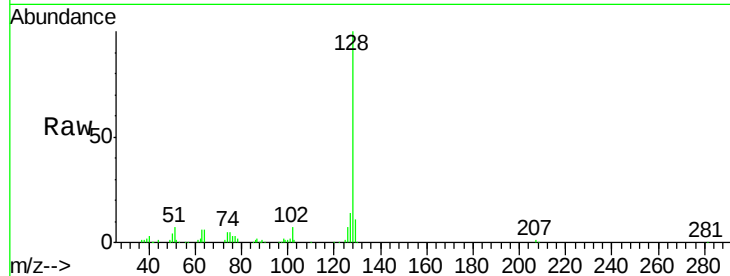
Instrument :
MSVOA_D
ClientSampleId :
VD0103SBS01

Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.3	15.5
129	11.1	8.5	12.7

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#96
1,2,3-Trichlorobenzene
Concen: 19.651 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. 0.00 min
Lab File: VD064729.D
Acq: 03 Jan 2020 12:44

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.4	47.9	143.7
145	30.4	14.9	44.7

