

Data Path : \\74.0.250.170\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_D\DATA\VD102919\
 Data File : VD064091.D
 Acq On : 29 Oct 2019 16:21
 Operator : VA/SY
 Sample : VD1029SBS01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1029SBS01

Manual Integrations
 APPROVED

MMDadoda
 10/30/2019 10:58:36 AM

Quant Time: Oct 30 08:20:10 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D102919S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 30 08:00:10 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	240134	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	355745	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	342684	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	177601	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	103736	54.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.64%	
35) Dibromofluoromethane	7.92	113	112228	51.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.56%	
50) Toluene-d8	10.34	98	451426	51.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.16%	
62) 4-Bromofluorobenzene	12.64	95	145866	50.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.54%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.98	85	53480	21.810	ug/l	90
3) Chloromethane	2.21	50	88365	21.599	ug/l	98
4) Vinyl Chloride	2.35	62	93721	21.125	ug/l	96
5) Bromomethane	2.76	94	58954	20.390	ug/l	97
6) Chloroethane	2.93	64	56029	20.333	ug/l	91
7) Trichlorofluoromethane	3.27	101	127366	20.854	ug/l	98
8) Diethyl Ether	3.71	74	20748	19.544	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.08	101	47943	21.783	ug/l	93
10) Methyl Iodide	4.29	142	51218	18.783	ug/l	99
11) Tert butyl alcohol	5.23	59	12399m	116.226	ug/l	
12) 1,1-Dichloroethene	4.06	96	42741	20.518	ug/l	93
13) Acrolein	3.93	56	11623	95.448	ug/l	93
14) Allyl chloride	4.70	41	51787	21.241	ug/l	99
15) Acrylonitrile	5.43	53	39463	100.635	ug/l	97
16) Acetone	4.17	43	36257	99.778	ug/l #	87
17) Carbon Disulfide	4.40	76	130969	20.460	ug/l	98
18) Methyl Acetate	4.73	43	21585	22.331	ug/l	99
19) Methyl tert-butyl Ether	5.48	73	82821	19.594	ug/l	94
20) Methylene Chloride	4.96	84	54583	21.162	ug/l	96
21) trans-1,2-Dichloroethene	5.47	96	48359	20.681	ug/l	95
22) Diisopropyl ether	6.37	45	109266	20.236	ug/l	98
23) Vinyl Acetate	6.31	43	309614	104.609	ug/l #	93
24) 1,1-Dichloroethane	6.26	63	73292	20.101	ug/l	96
25) 2-Butanone	7.23	43	49795	99.123	ug/l	99
26) 2,2-Dichloropropane	7.21	77	66689	19.271	ug/l	95
27) cis-1,2-Dichloroethene	7.21	96	52746	20.159	ug/l	99
28) Bromochloromethane	7.56	49	19968	15.667	ug/l	90
29) Tetrahydrofuran	7.57	42	31750	108.294	ug/l	96
30) Chloroform	7.71	83	85233	20.428	ug/l	97
31) Cyclohexane	7.98	56	69252	19.495	ug/l #	93
32) 1,1,1-Trichloroethane	7.90	97	78641	20.248	ug/l	96
36) 1,1-Dichloropropene	8.11	75	68184	20.455	ug/l	98
37) Ethyl Acetate	7.30	43	22024	21.465	ug/l #	87
38) Carbon Tetrachloride	8.10	117	75061	20.638	ug/l	89

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Quant Time: Oct 30 08:20:10 2019
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 Quant Title : SW846 8260
 QLast Update : Wed Oct 30 08:00:10 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	85164	20.812	ug/l	97
40) Benzene	8.36	78	180428	19.849	ug/l	97
41) Methacrylonitrile	7.52	41	10185	17.201	ug/l #	82
42) 1,2-Dichloroethane	8.43	62	50705	21.117	ug/l	99
43) Isopropyl Acetate	8.46	43	42446	20.470	ug/l	99
44) Trichloroethene	9.11	130	57691	20.939	ug/l	96
45) 1,2-Dichloropropane	9.39	63	41757	19.822	ug/l	99
46) Dibromomethane	9.48	93	24912	19.635	ug/l	98
47) Bromodichloromethane	9.67	83	65079	20.332	ug/l	98
48) Methyl methacrylate	9.46	41	19759	20.606	ug/l	95
49) 1,4-Dioxane	9.47	88	6410	441.365	ug/l #	85
51) 4-Methyl-2-Pentanone	10.24	43	115913	102.683	ug/l	96
52) Toluene	10.41	92	128861	20.228	ug/l	94
53) t-1,3-Dichloropropene	10.63	75	60751	20.333	ug/l #	85
54) cis-1,3-Dichloropropene	10.09	75	70234	19.980	ug/l	97
55) 1,1,2-Trichloroethane	10.80	97	37245	20.705	ug/l	96
56) Ethyl methacrylate	10.67	69	37793	19.261	ug/l	95
57) 1,3-Dichloropropane	10.95	76	57239	19.240	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.94	63	78813	100.006	ug/l	98
59) 2-Hexanone	10.99	43	78180	94.178	ug/l	98
60) Dibromochloromethane	11.14	129	49196	20.150	ug/l	99
61) 1,2-Dibromoethane	11.25	107	35431	19.693	ug/l	96
64) Tetrachloroethene	10.88	164	52270	21.232	ug/l	94
65) Chlorobenzene	11.67	112	142358	20.105	ug/l	94
66) 1,1,1,2-Tetrachloroethane	11.75	131	51602	19.477	ug/l	97
67) Ethyl Benzene	11.75	91	255003	20.248	ug/l	99
68) m/p-Xylenes	11.85	106	198290	39.144	ug/l	97
69) o-Xylene	12.18	106	90217	19.515	ug/l	98
70) Styrene	12.20	104	159386	19.990	ug/l	100
71) Bromoform	12.37	173	28419	20.084	ug/l #	97
73) Isopropylbenzene	12.48	105	251747	20.398	ug/l	98
74) N-amyl acetate	12.29	43	43420	21.177	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.74	83	39652	20.384	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	23934m	20.056	ug/l	
77) Bromobenzene	12.77	156	61513	20.643	ug/l	99
78) n-propylbenzene	12.83	91	301189	20.825	ug/l	100
79) 2-Chlorotoluene	12.91	91	160976	20.764	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	214416	20.759	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.53	75	12111	20.726	ug/l	88
82) 4-Chlorotoluene	13.01	91	171553	20.709	ug/l	97
83) tert-Butylbenzene	13.23	119	186894	20.146	ug/l	97
84) 1,2,4-Trimethylbenzene	13.27	105	215047	20.725	ug/l	100
85) sec-Butylbenzene	13.41	105	262419	20.598	ug/l	99
86) p-Isopropyltoluene	13.52	119	244723	20.444	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	123771	20.727	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	118498	20.130	ug/l	97
89) n-Butylbenzene	13.85	91	228521	20.698	ug/l	99
90) Hexachloroethane	14.12	117	46492	20.745	ug/l	98
91) 1,2-Dichlorobenzene	13.90	146	104610	20.356	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.51	75	5949	20.940	ug/l	94

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MSVOA_D
ClientSampleId :
VD1029SBS01

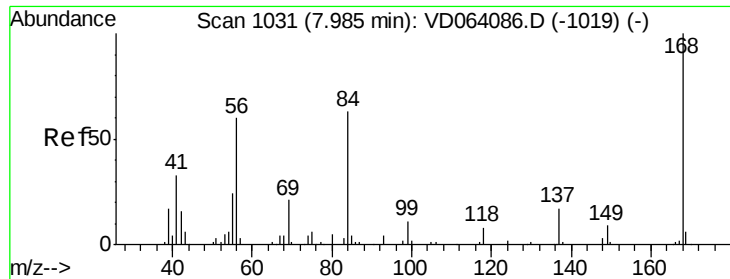
Manual Integrations
APPROVED

MMDadoda
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Quant Title : SW846 8260
QLast Update : Wed Oct 30 08:00:10 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	78093	21.140	ug/l	99
94) Hexachlorobutadiene	15.27	225	46103	21.354	ug/l	99
95) Naphthalene	15.41	128	130137	21.601	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	65616	20.507	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: VD064091.D

Acq: 29 Oct 2019 16:21

Instrument :

MSVOA_D

ClientSampleId :

VD1029SBS01

Tgt Ion: 168 Resp: 240134

Ion Ratio Lower Upper

168 100

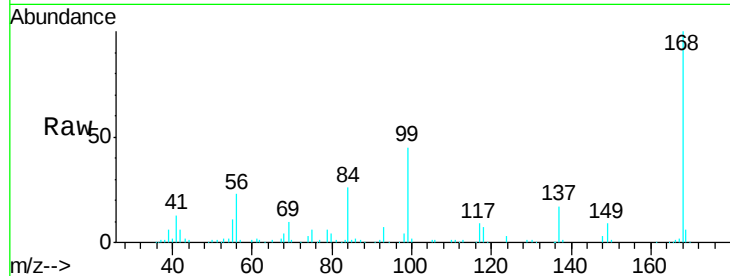
99 45.4 37.6 56.4

Manual Integrations

APPROVED

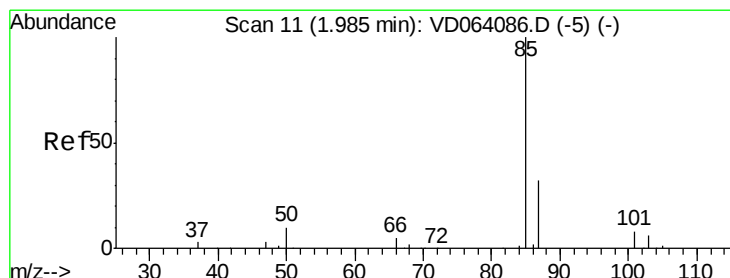
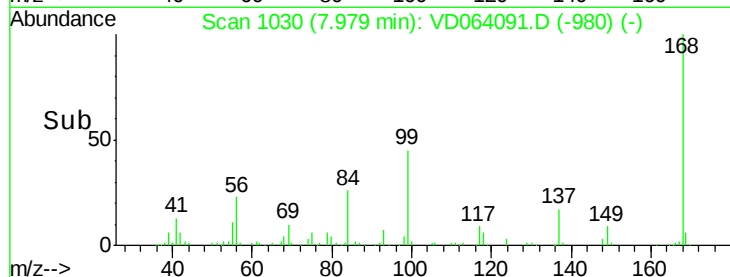
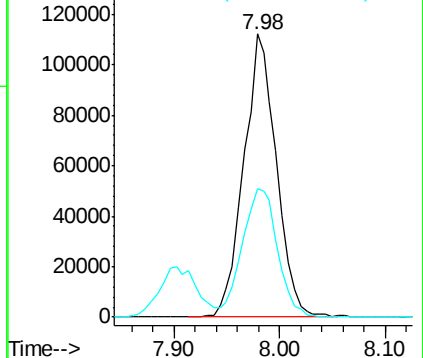
MMDadoda

10/30/2019 10:58:36 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 21.810 ug/l

RT: 1.98 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD064091.D

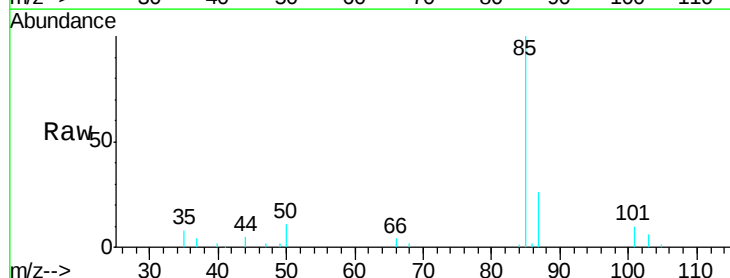
Acq: 29 Oct 2019 16:21

Tgt Ion: 85 Resp: 53480

Ion Ratio Lower Upper

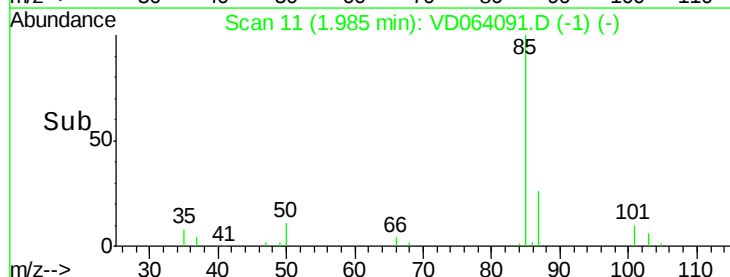
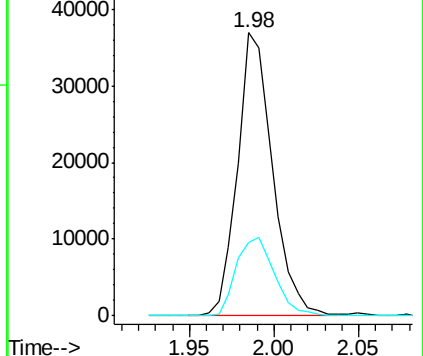
85 100

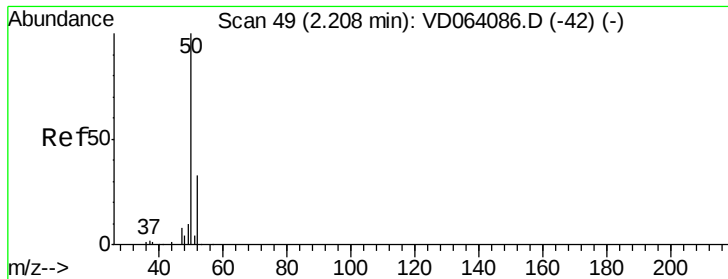
87 26.1 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 21.599 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD064091.D

Acq: 29 Oct 2019 16:21

Instrument :

MSVOA_D

ClientSampleId :

VD1029SBS01

Tgt Ion: 50 Resp: 88365

Ion Ratio Lower Upper

50 100

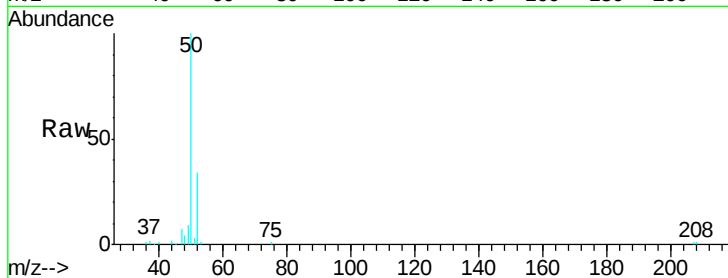
52 34.1 26.5 39.7

Manual Integrations

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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

2.21

80000

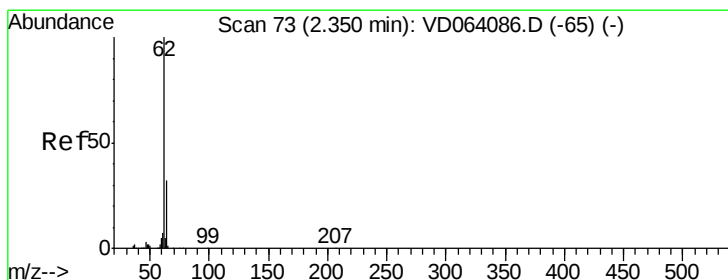
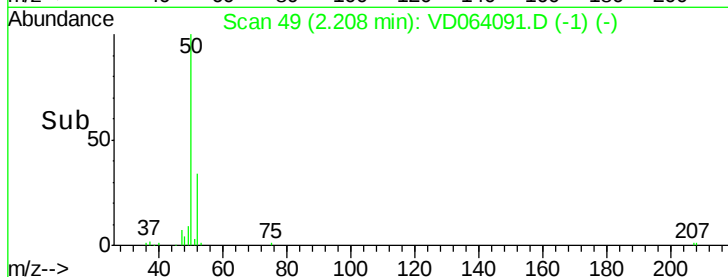
60000

40000

20000

0

Time-->



#4

Vinyl Chloride

Concen: 21.125 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD064091.D

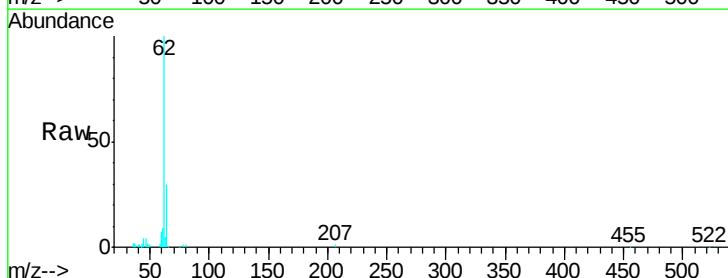
Acq: 29 Oct 2019 16:21

Tgt Ion: 62 Resp: 93721

Ion Ratio Lower Upper

62 100

64 29.6 25.6 38.4



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC

2.35

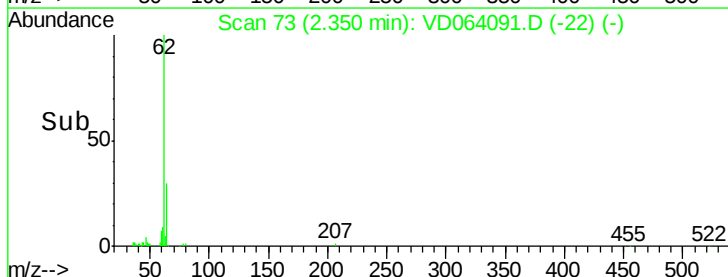
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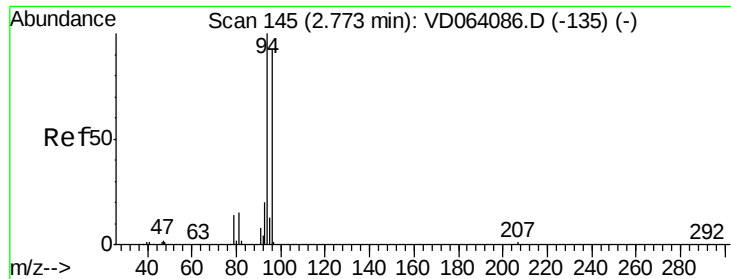
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20000

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Time-->





#5

Bromomethane

Concen: 20.390 ug/l

RT: 2.76 min Scan# 143

Delta R.T. -0.01 min

Lab File: VD064091.D

Acq: 29 Oct 2019 16:21

Instrument :

MSVOA_D

ClientSampleId :

VD1029SBS01

Tgt Ion: 94 Resp: 58954

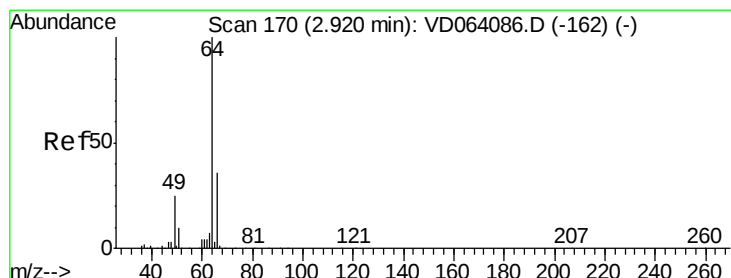
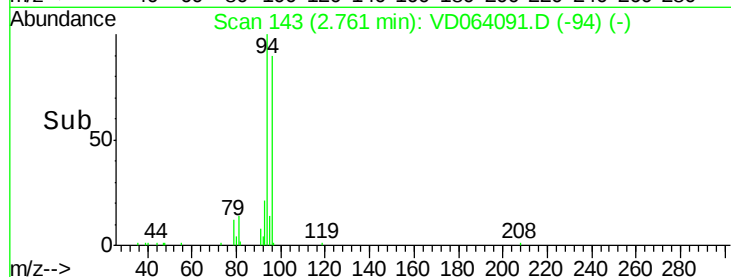
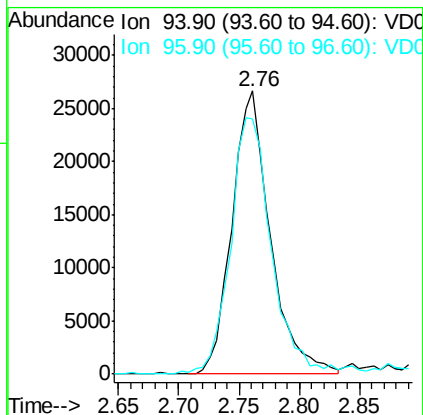
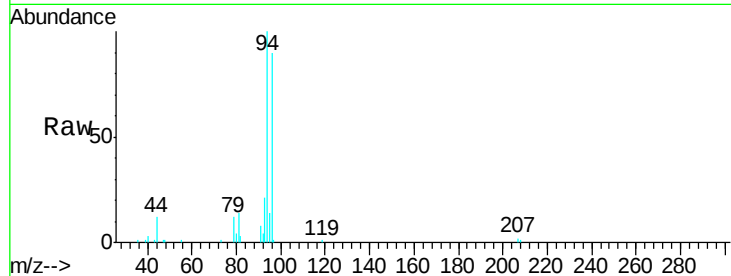
Ion Ratio Lower Upper

94 100

96 89.8 73.9 110.9

Manual Integrations
APPROVED

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10/30/2019 10:58:36 AM



#6

Chloroethane

Concen: 20.333 ug/l

RT: 2.93 min Scan# 171

Delta R.T. 0.01 min

Lab File: VD064091.D

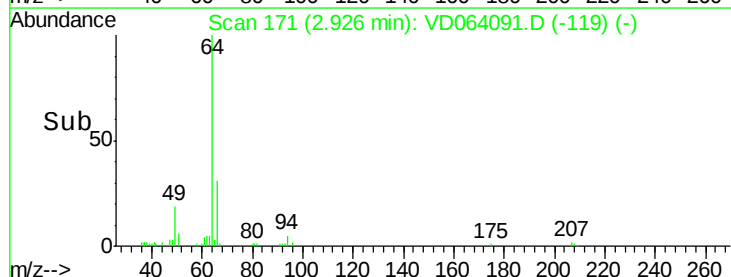
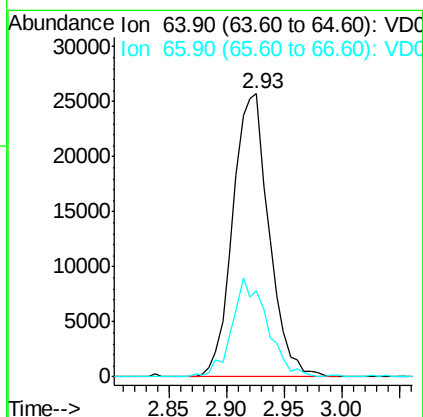
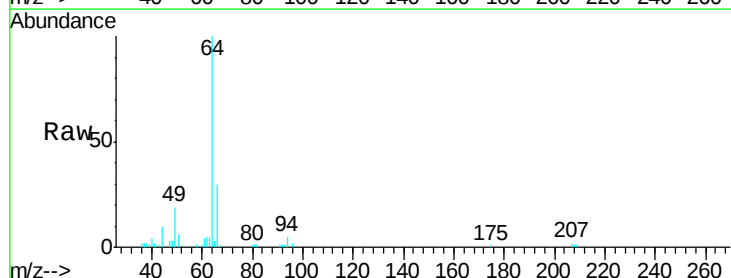
Acq: 29 Oct 2019 16:21

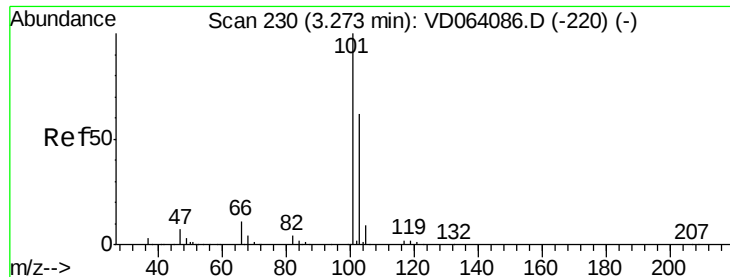
Tgt Ion: 64 Resp: 56029

Ion Ratio Lower Upper

64 100

66 30.4 28.7 43.1





#7

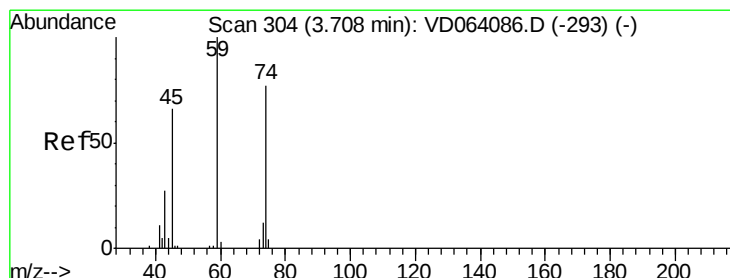
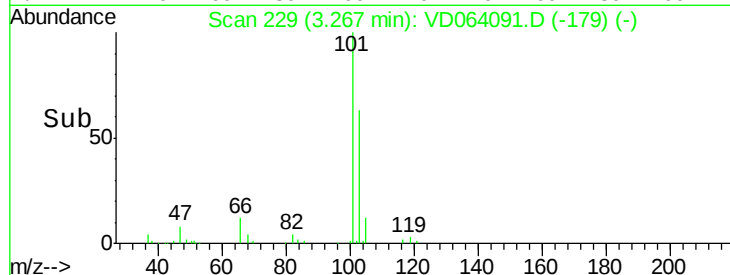
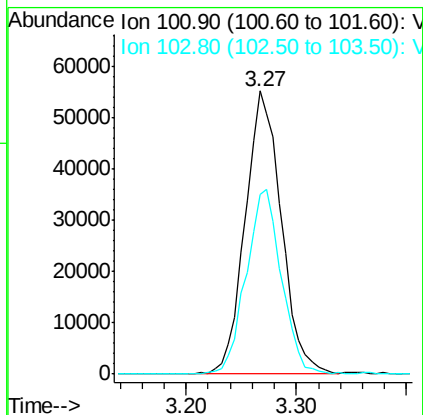
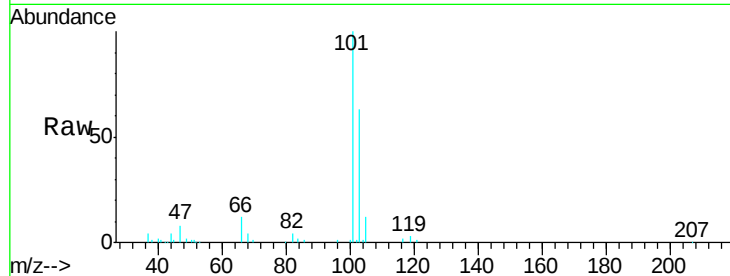
Trichlorofluoromethane
 Concen: 20.854 ug/l
 RT: 3.27 min Scan# 229
 Delta R.T. -0.01 min
 Lab File: VD064091.D
 Acq: 29 Oct 2019 16:21

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 VD1029SBS01

Tgt Ion	Ratio	Resp	Lower	Upper
101	100	127366		
103	63.3	49.6	74.4	

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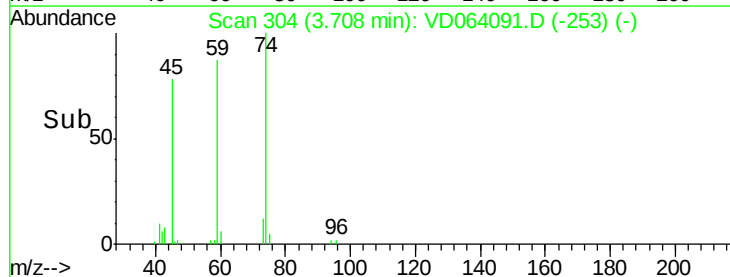
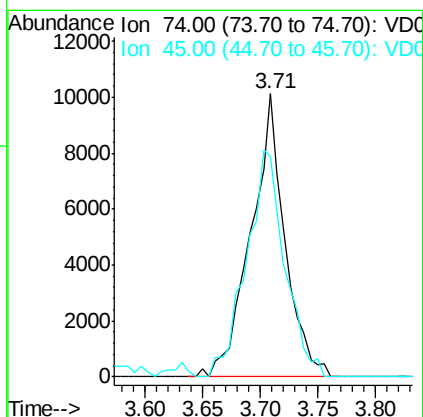
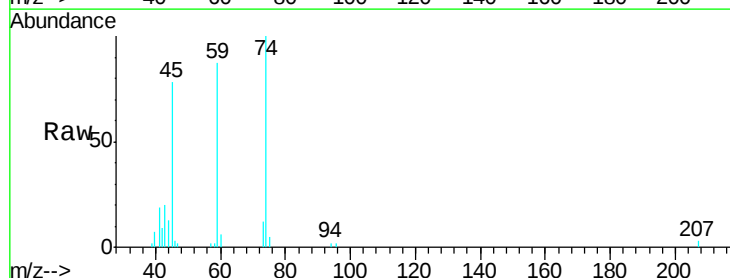
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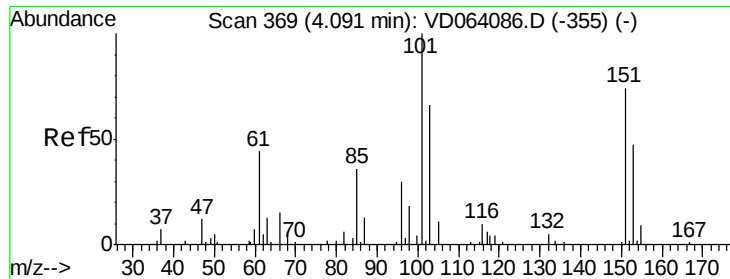


#8

Diethyl Ether
 Concen: 19.544 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. 0.00 min
 Lab File: VD064091.D
 Acq: 29 Oct 2019 16:21

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	20748		
45	90.4	44.1	132.3	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.783 ug/l

RT: 4.08 min Scan# 367

Delta R.T. -0.01 min

Lab File: VD064091.D

Acq: 29 Oct 2019 16:21

Instrument :

MSVOA_D

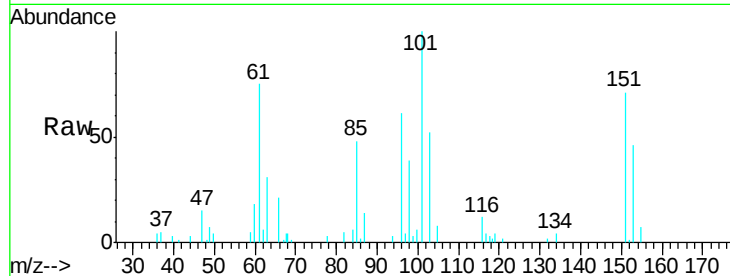
ClientSampleId :

VD1029SBS01

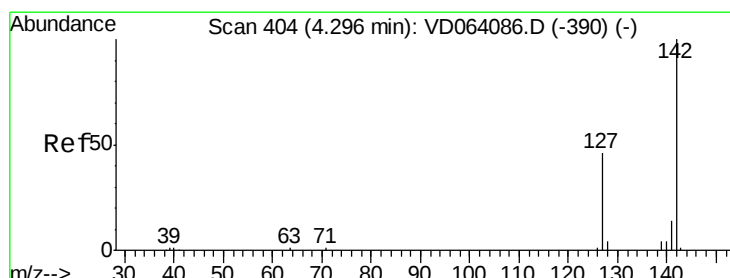
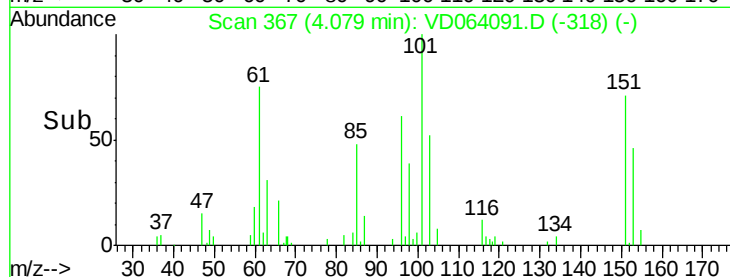
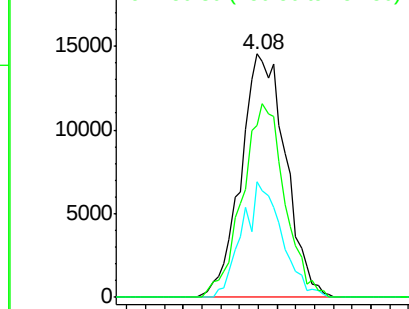
Tgt Ion:	101	Resp:	47943
Ion Ratio	Lower	Upper	
101	100		
85	42.0	35.3	52.9
151	75.5	67.0	100.6

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Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): V
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 18.783 ug/l

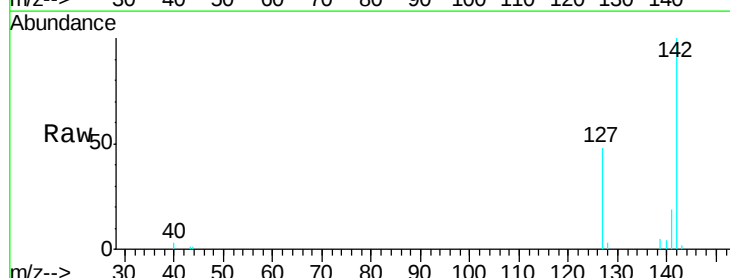
RT: 4.29 min Scan# 403

Delta R.T. -0.01 min

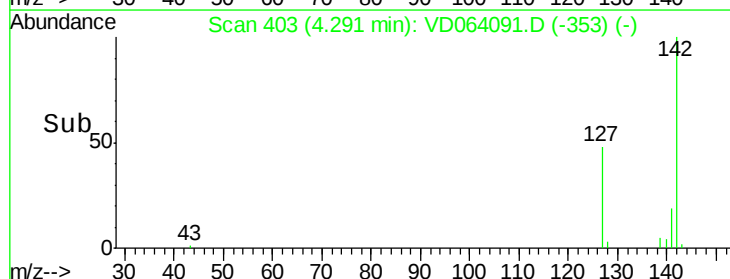
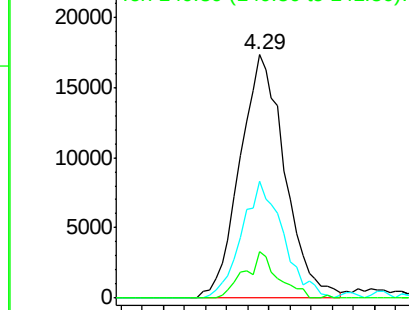
Lab File: VD064091.D

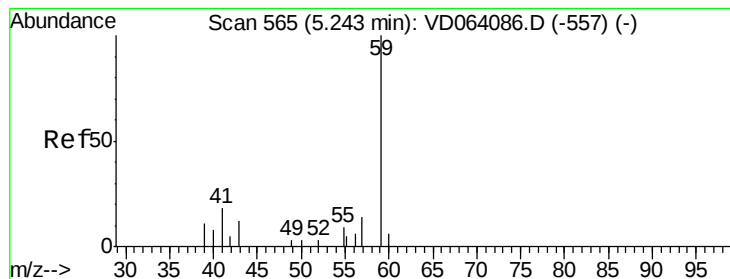
Acq: 29 Oct 2019 16:21

Tgt Ion:	142	Resp:	51218
Ion Ratio	Lower	Upper	
142	100		
127	44.3	35.1	52.7
141	13.9	11.6	17.4



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





#11

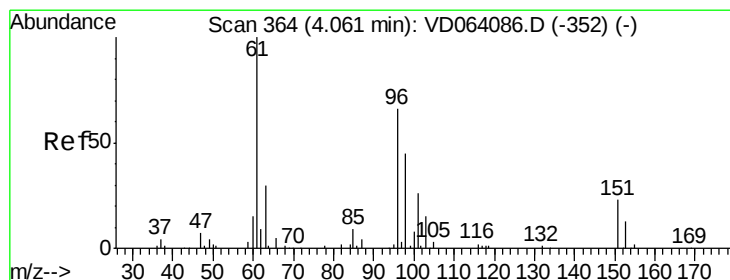
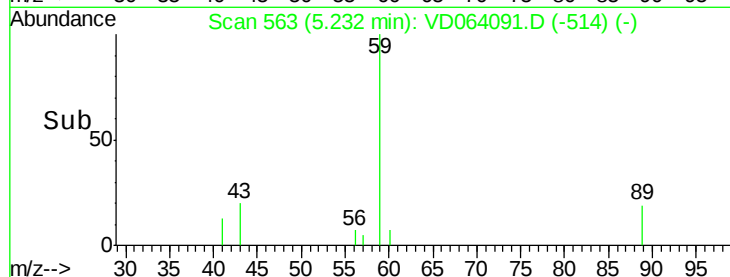
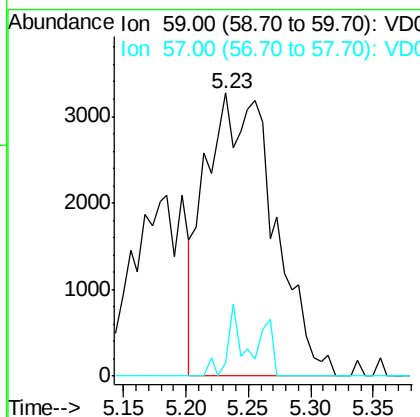
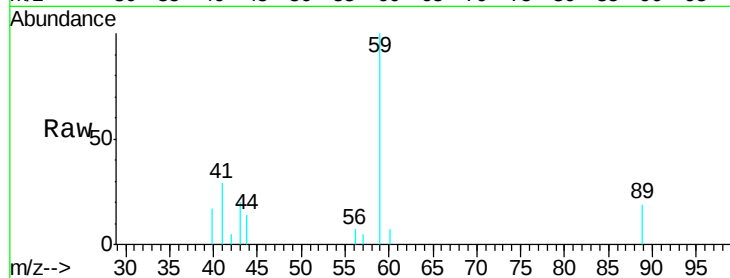
Tert butyl alcohol
 Concen: 116.226 ug/l m
 RT: 5.23 min Scan# 563
 Delta R.T. -0.01 min
 Lab File: VD064091.D
 Acq: 29 Oct 2019 16:21

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1029SBS01

Tgt Ion	Ratio	Resp	Lower	Upper
59	100	12399		
57	5.6	8.7	13.1#	

Manual Integrations
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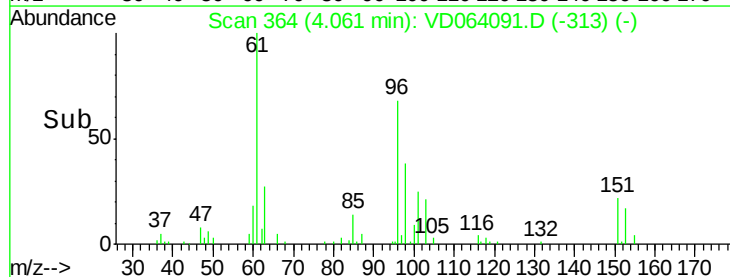
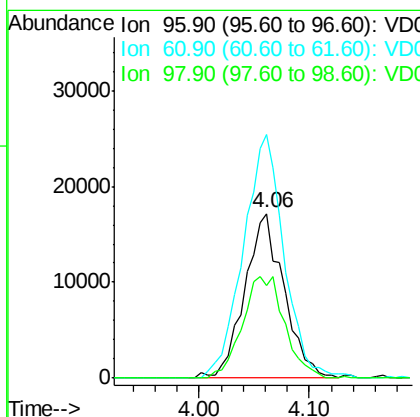
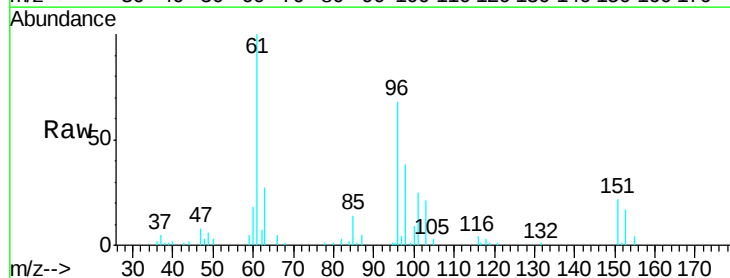
MMDadoda
 10/30/2019 10:58:36 AM

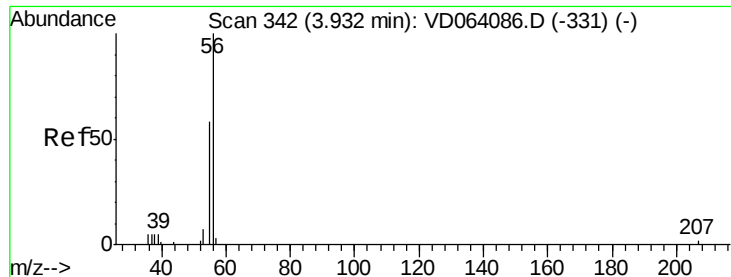


#12

1,1-Dichloroethene
 Concen: 20.518 ug/l
 RT: 4.06 min Scan# 364
 Delta R.T. 0.00 min
 Lab File: VD064091.D
 Acq: 29 Oct 2019 16:21

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	42741		
61	148.1	121.8	182.6	
98	56.0	55.4	83.0	





#13

Acrolein

Concen: 95.448 ug/l

RT: 3.93 min Scan# 342

Delta R.T. 0.00 min

Lab File: VD064091.D

Acq: 29 Oct 2019 16:21

Instrument :

MSVOA_D

ClientSampleId :

VD1029SBS01

Tgt Ion: 56 Resp: 11623

Ion Ratio Lower Upper

56 100

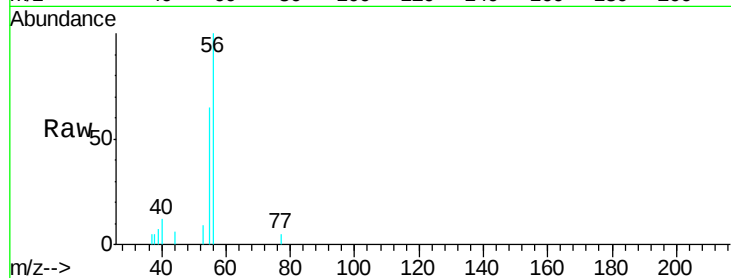
55 72.9 53.8 80.6

Manual Integrations

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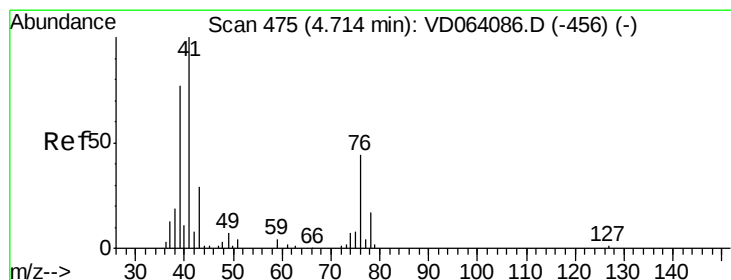
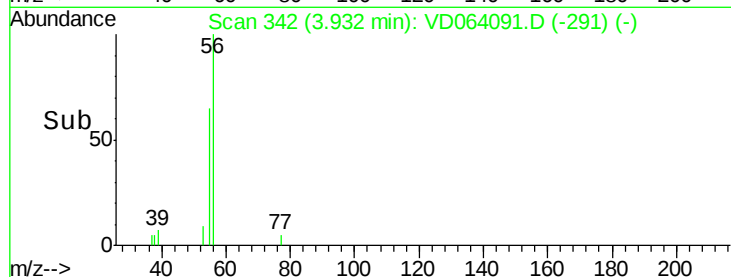
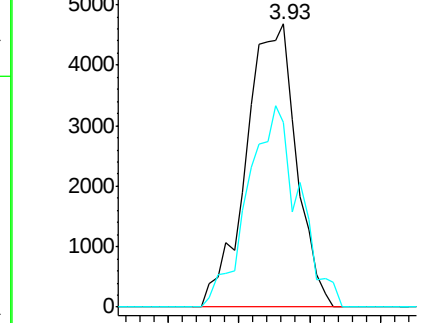
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Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 21.241 ug/l

RT: 4.70 min Scan# 473

Delta R.T. -0.01 min

Lab File: VD064091.D

Acq: 29 Oct 2019 16:21

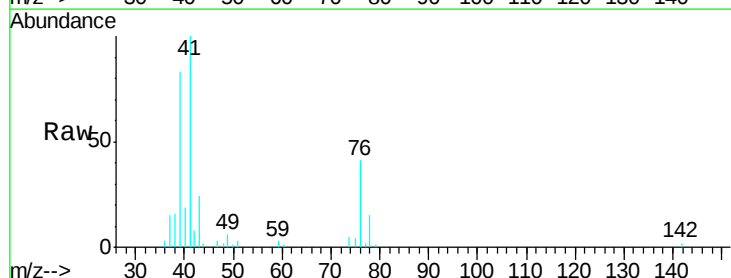
Tgt Ion: 41 Resp: 51787

Ion Ratio Lower Upper

41 100

39 77.9 61.5 92.3

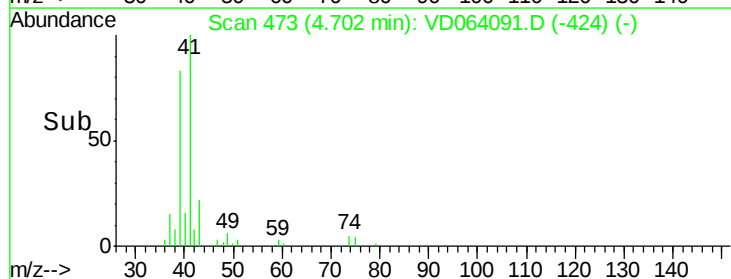
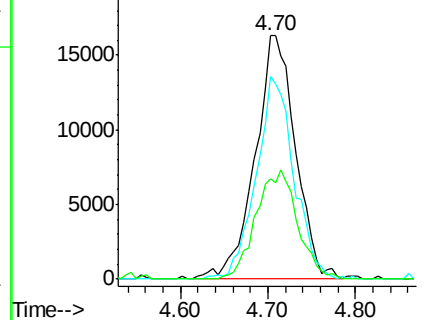
76 45.8 36.2 54.4

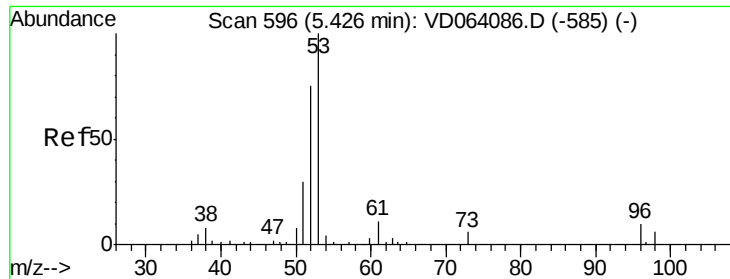


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC





#15

Acrylonitrile

Concen: 100.635 ug/l

RT: 5.43 min Scan# 596

Delta R.T. 0.00 min

Lab File: VD064091.D

Acq: 29 Oct 2019 16:21

Instrument :

MSVOA_D

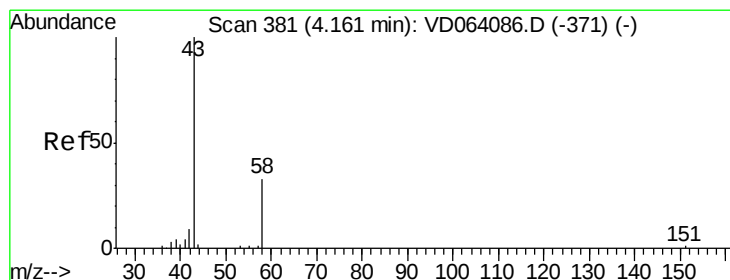
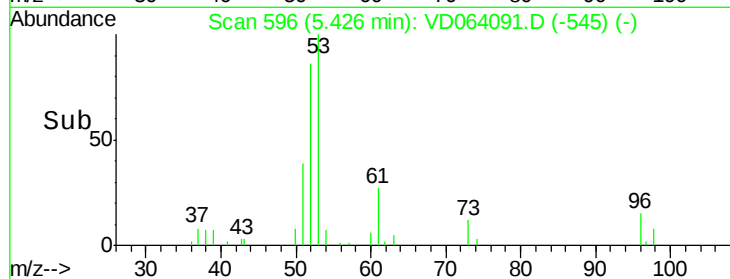
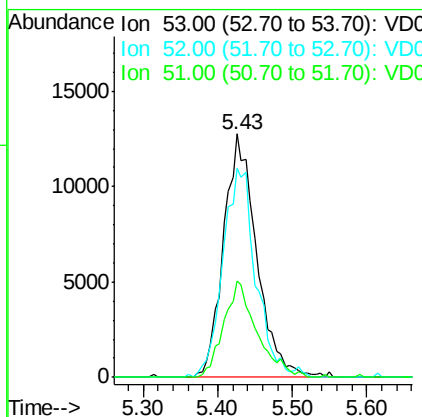
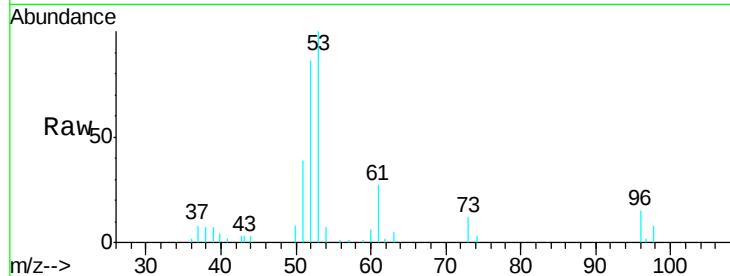
ClientSampleId :

VD1029SBS01

Tgt Ion:	53	Resp:	39463
Ion Ratio	Lower	Upper	
53	100		
52	84.9	66.2	99.4
51	39.5	29.0	43.6

Manual Integrations
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#16

Acetone

Concen: 99.778 ug/l

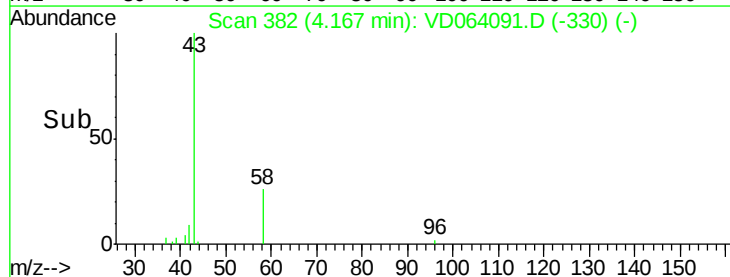
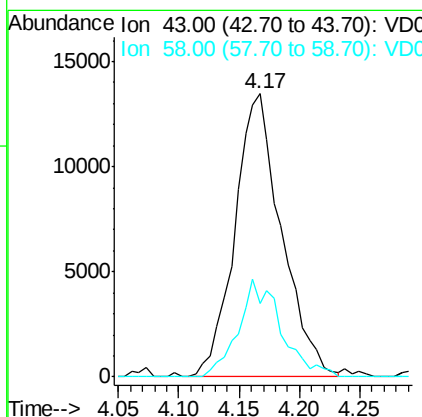
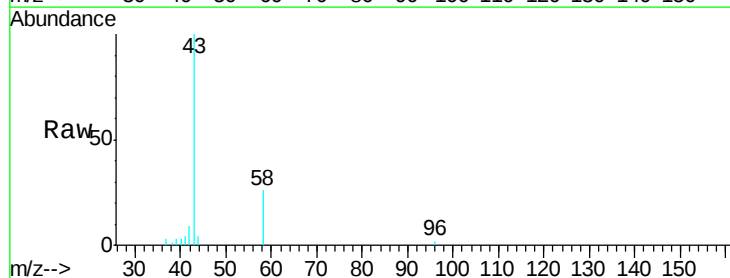
RT: 4.17 min Scan# 382

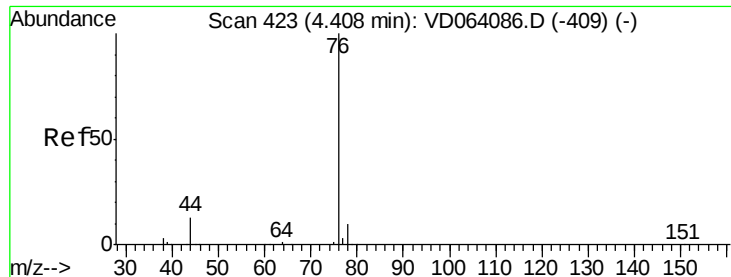
Delta R.T. 0.01 min

Lab File: VD064091.D

Acq: 29 Oct 2019 16:21

Tgt Ion:	43	Resp:	36257
Ion Ratio	Lower	Upper	
43	100		
58	25.8	26.3	39.5#





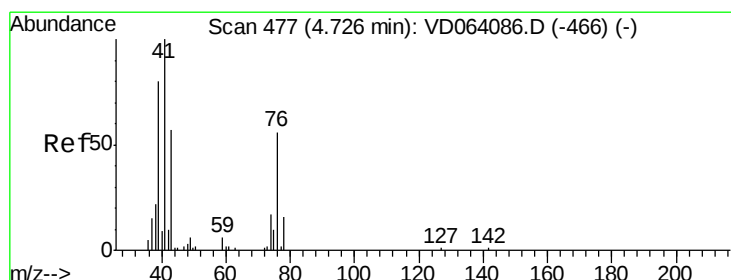
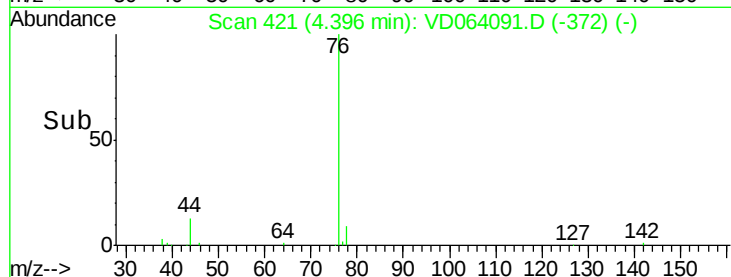
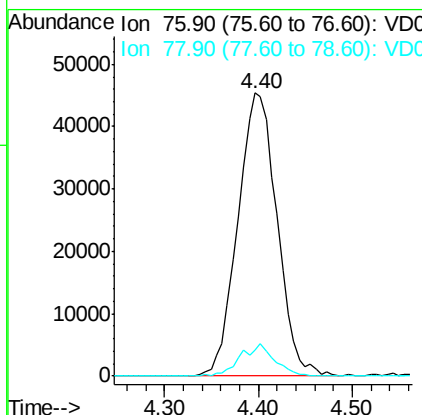
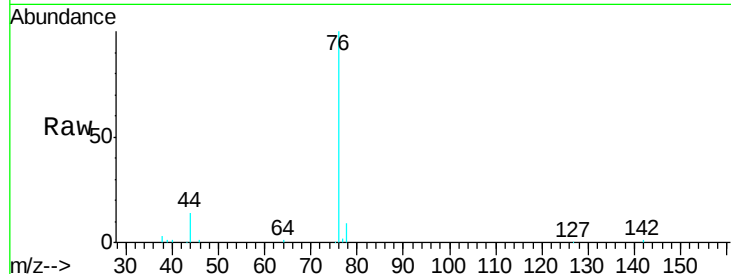
#17
Carbon Disulfide
Concen: 20.460 ug/l
RT: 4.40 min Scan# 421
Delta R.T. -0.01 min
Lab File: VD064091.D
Acq: 29 Oct 2019 16:21

Instrument :
MSVOA_D
ClientSampleId :
VD1029SBS01

Tgt Ion: 76 Resp: 130969
Ion Ratio Lower Upper
76 100
78 9.3 8.1 12.1

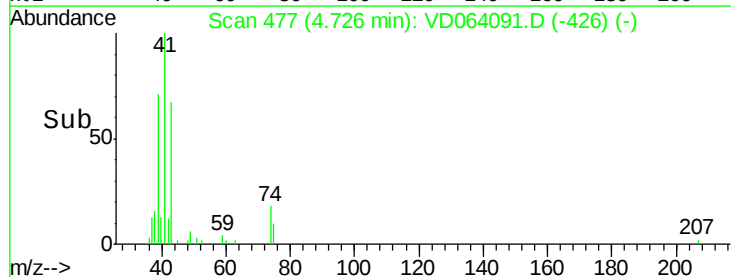
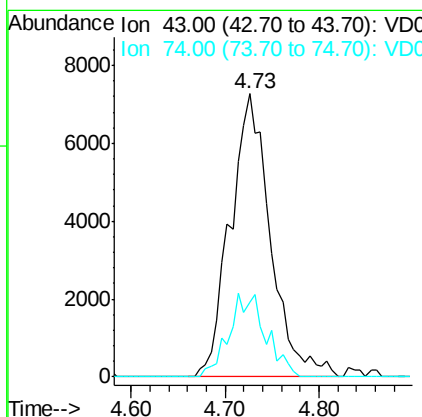
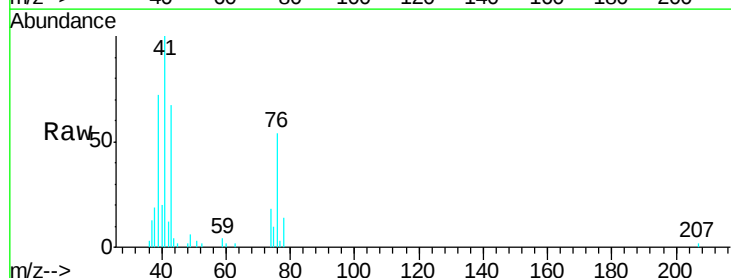
Manual Integrations
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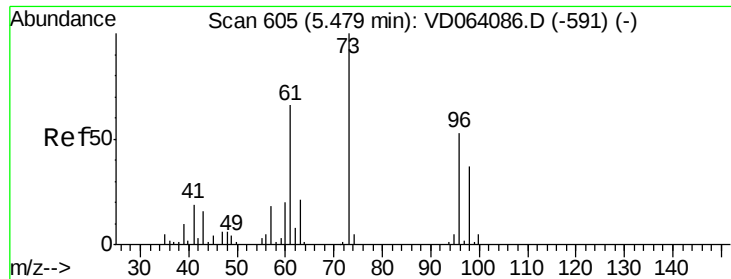
MMDadoda
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#18
Methyl Acetate
Concen: 22.331 ug/l
RT: 4.73 min Scan# 477
Delta R.T. 0.00 min
Lab File: VD064091.D
Acq: 29 Oct 2019 16:21

Tgt Ion: 43 Resp: 21585
Ion Ratio Lower Upper
43 100
74 27.1 22.2 33.4





#19

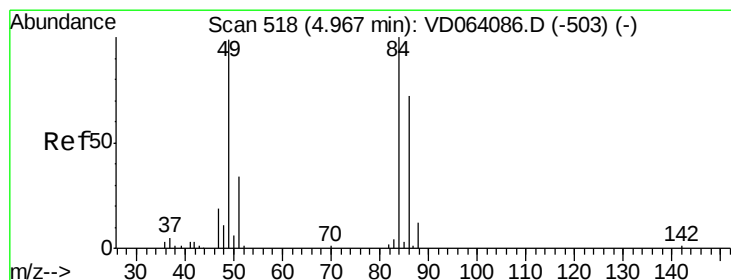
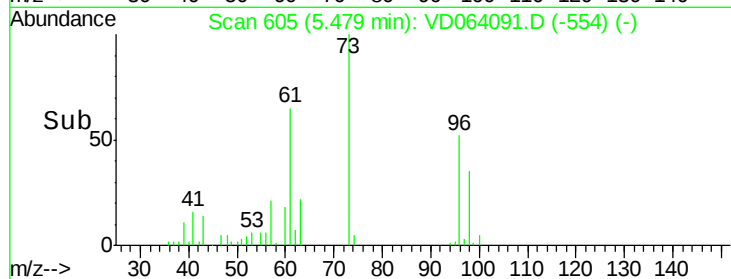
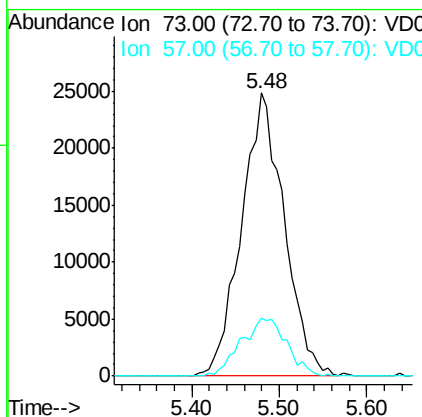
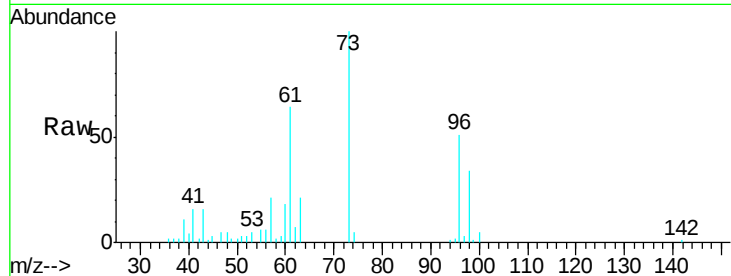
Methyl tert-butyl Ether
Concen: 19.594 ug/l
RT: 5.48 min Scan# 605
Delta R.T. 0.00 min
Lab File: VD064091.D
Acq: 29 Oct 2019 16:21

Instrument :
MSVOA_D
ClientSampleId :
VD1029SBS01

Tgt Ion: 73 Resp: 82821
Ion Ratio Lower Upper
73 100
57 20.7 14.3 21.5

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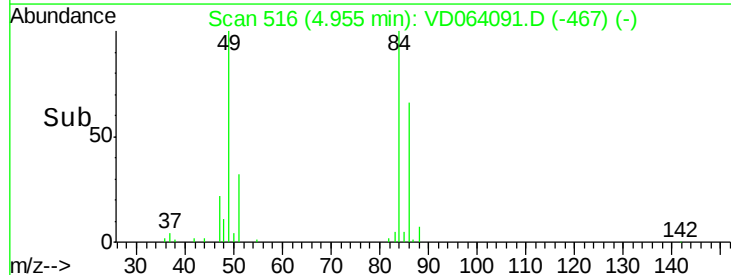
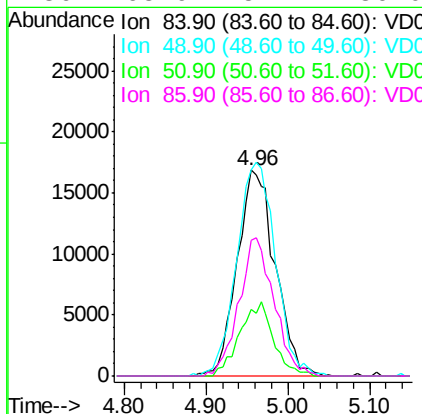
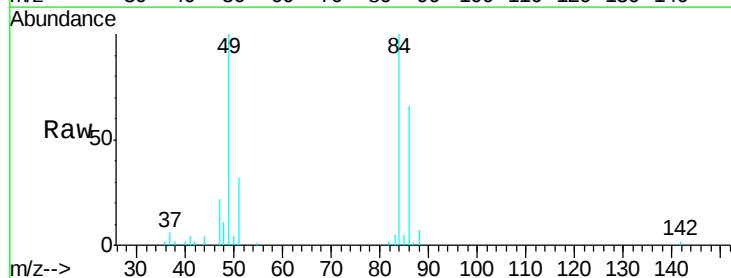
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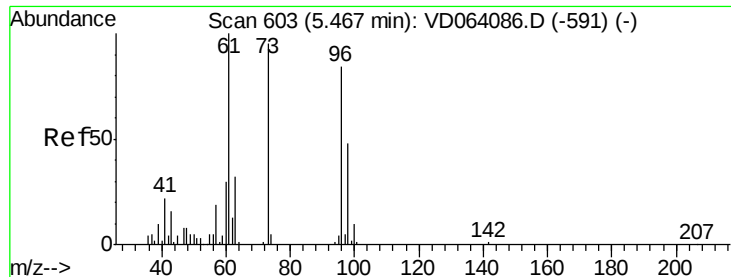


#20

Methylene Chloride
Concen: 21.162 ug/l
RT: 4.96 min Scan# 516
Delta R.T. -0.01 min
Lab File: VD064091.D
Acq: 29 Oct 2019 16:21

Tgt Ion: 84 Resp: 54583
Ion Ratio Lower Upper
84 100
49 100.3 79.4 119.0
51 32.3 27.4 41.2
86 65.9 57.4 86.0





#21

trans-1,2-Dichloroethene

Concen: 20.681 ug/l

RT: 5.47 min Scan# 603

Delta R.T. 0.00 min

Lab File: VD064091.D

Acq: 29 Oct 2019 16:21

Instrument :

MSVOA_D

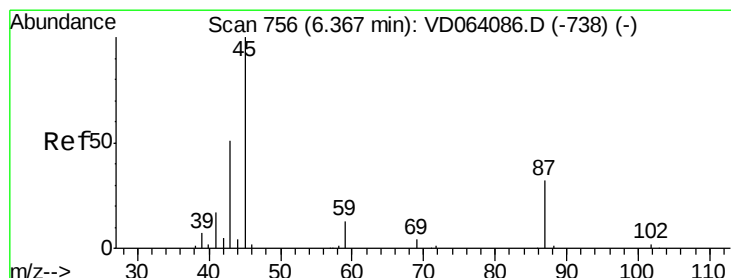
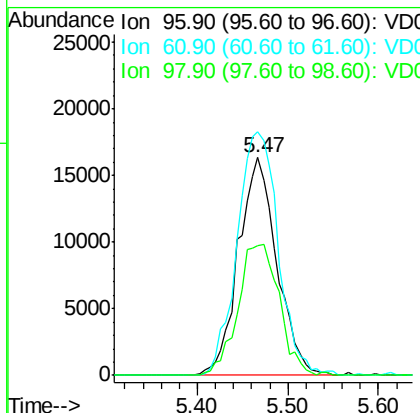
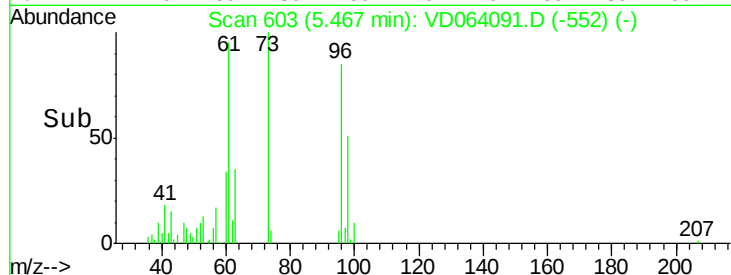
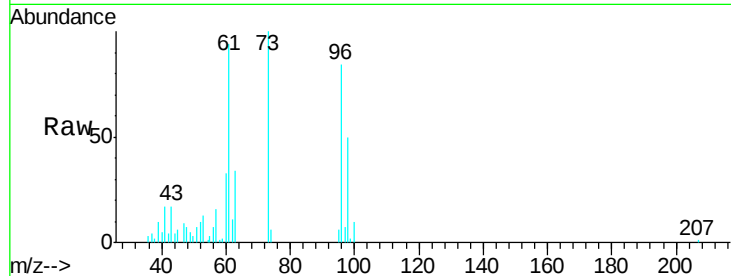
ClientSampleId :

VD1029SBS01

Tgt Ion:	96	Resp:	48359
Ion	Ratio	Lower	Upper
96	100		
61	112.0	95.0	142.6
98	59.5	45.8	68.8

Manual Integrations
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#22

Diisopropyl ether

Concen: 20.236 ug/l

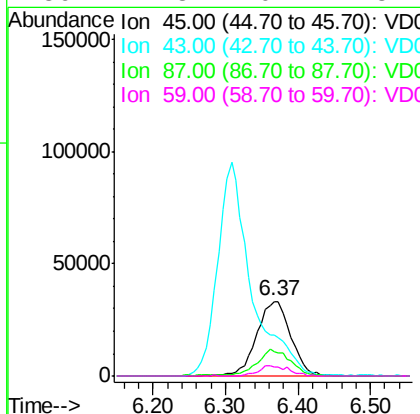
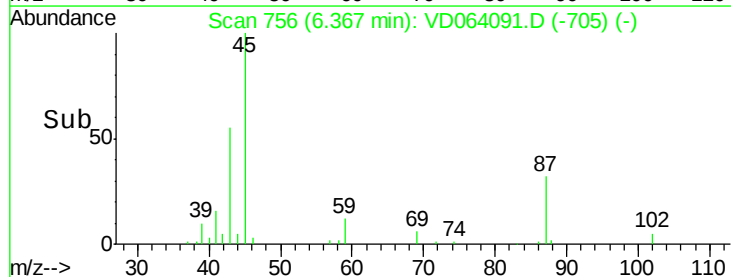
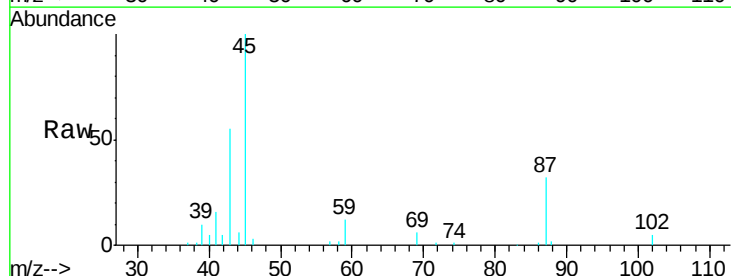
RT: 6.37 min Scan# 756

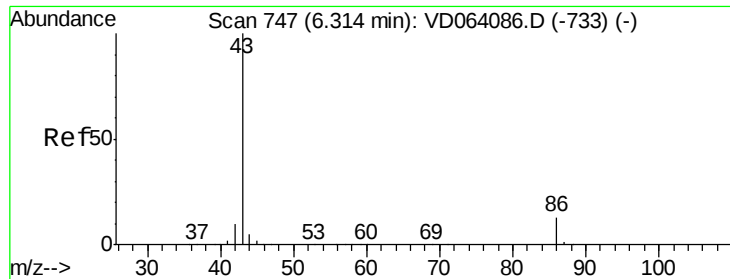
Delta R.T. 0.00 min

Lab File: VD064091.D

Acq: 29 Oct 2019 16:21

Tgt Ion:	45	Resp:	109266
Ion	Ratio	Lower	Upper
45	100		
43	53.8	44.3	66.5
87	32.0	26.6	39.8
59	11.8	10.2	15.2





#23

Vinyl Acetate

Concen: 104.609 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.01 min

Lab File: VD064091.D

Acq: 29 Oct 2019 16:21

Instrument :

MSVOA_D

ClientSampleId :

VD1029SBS01

Tgt Ion: 43 Resp: 309614

Ion Ratio Lower Upper

43 100

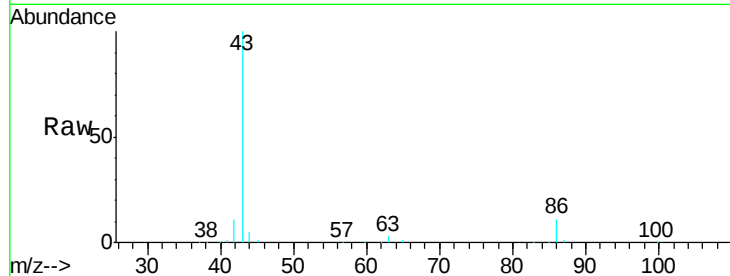
86 10.5 10.7 16.1#

Manual Integrations

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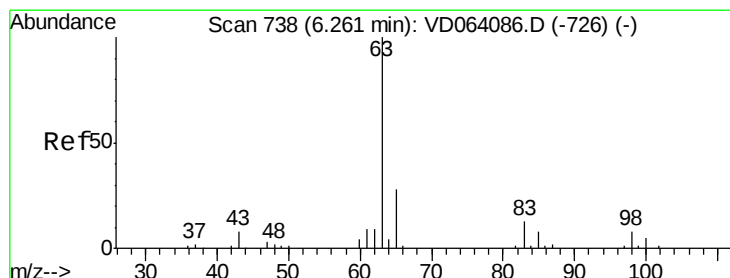
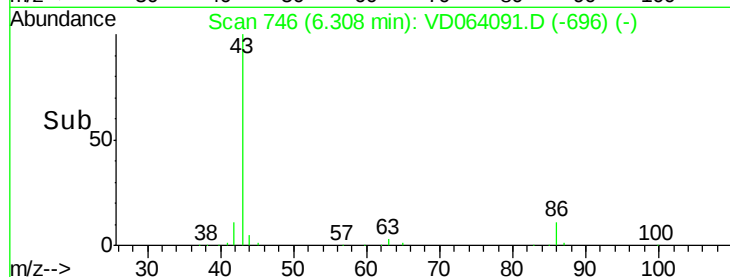
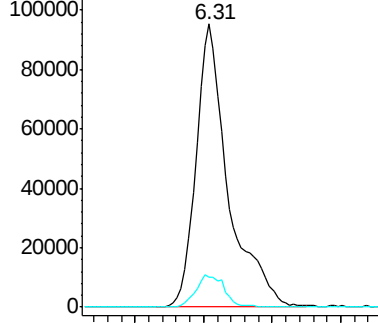
MMDadoda

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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: 20.101 ug/l

RT: 6.26 min Scan# 738

Delta R.T. 0.00 min

Lab File: VD064091.D

Acq: 29 Oct 2019 16:21

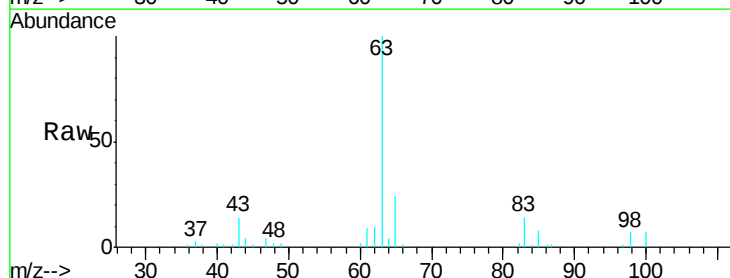
Tgt Ion: 63 Resp: 73292

Ion Ratio Lower Upper

63 100

98 6.6 4.0 11.9

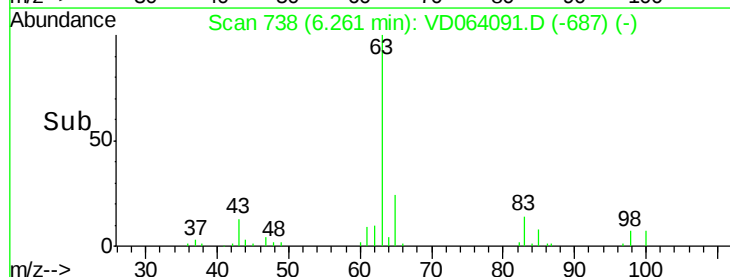
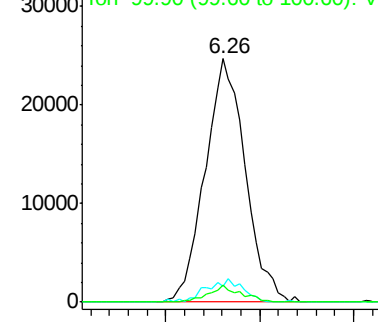
100 6.8 2.6 7.8

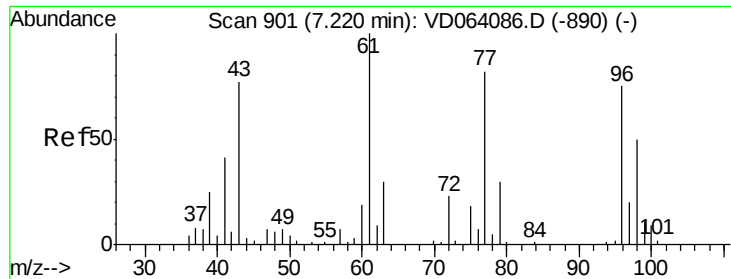


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 99.123 ug/l

RT: 7.23 min Scan# 902

Delta R.T. 0.01 min

Lab File: VD064091.D

Acq: 29 Oct 2019 16:21

Instrument :

MSVOA_D

ClientSampleId :

VD1029SBS01

Tgt Ion: 43 Resp: 49795

Ion Ratio Lower Upper

43 100

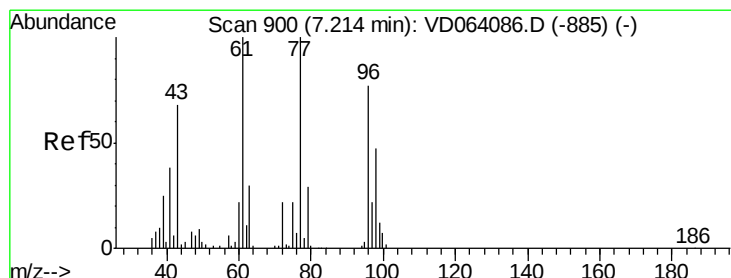
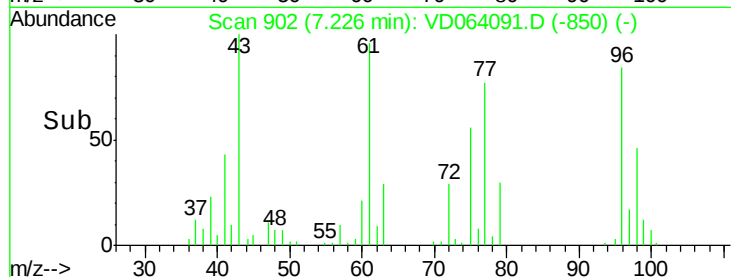
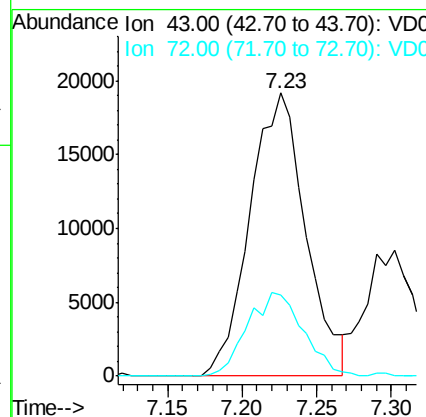
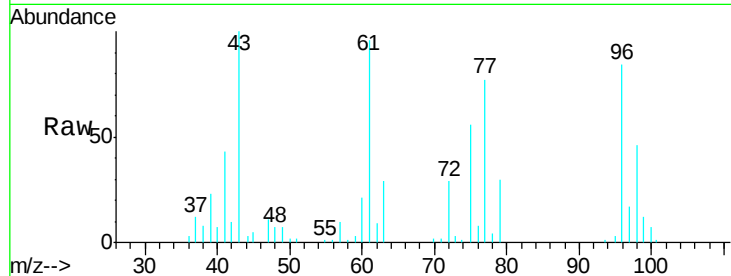
72 28.6 23.4 35.0

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 19.271 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD064091.D

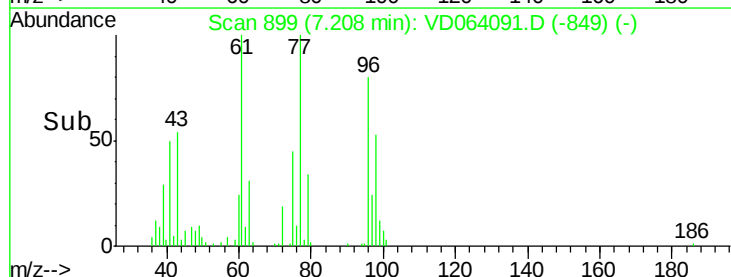
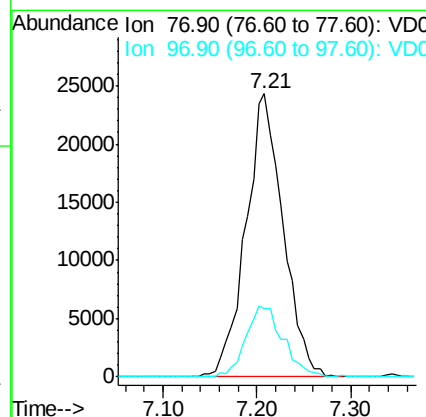
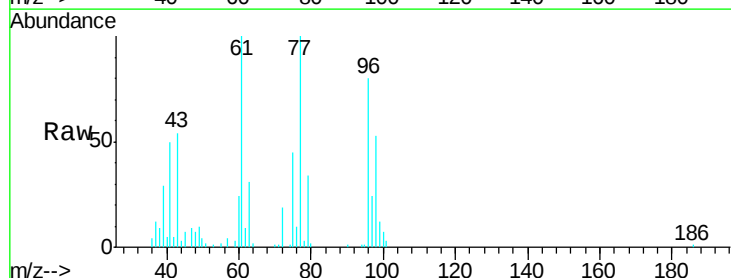
Acq: 29 Oct 2019 16:21

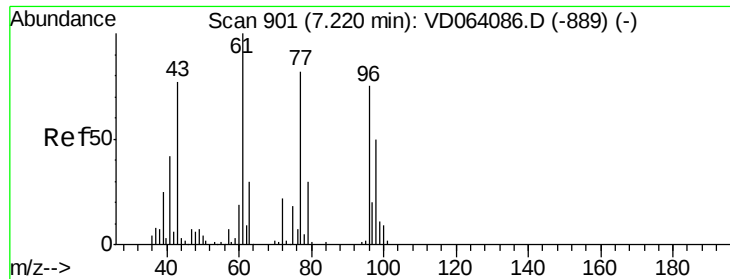
Tgt Ion: 77 Resp: 66689

Ion Ratio Lower Upper

77 100

97 24.9 11.2 33.5





#27

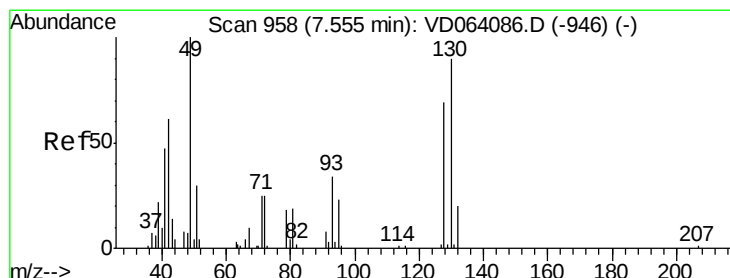
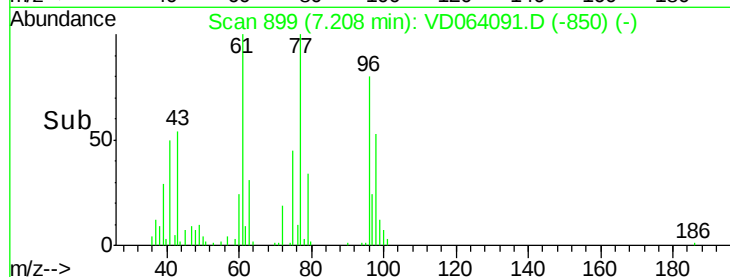
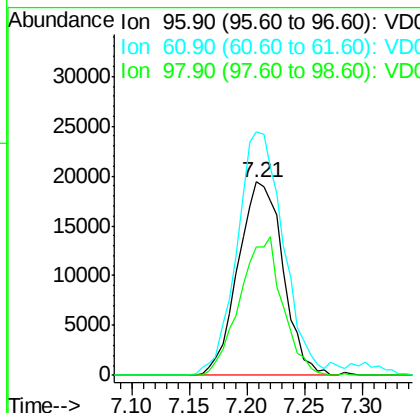
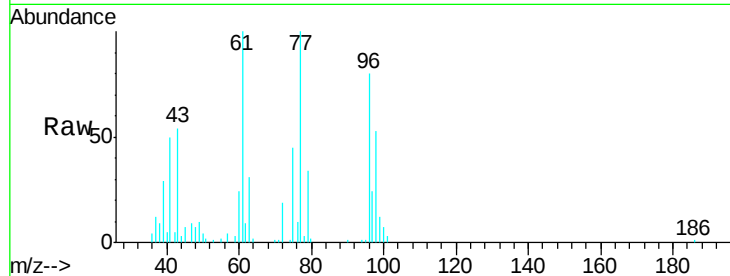
cis-1,2-Dichloroethene
Concen: 20.159 ug/l
RT: 7.21 min Scan# 899
Delta R.T. -0.01 min
Lab File: VD064091.D
Acq: 29 Oct 2019 16:21

Instrument :
MSVOA_D
ClientSampleId :
VD1029SBS01

Tgt Ion	Ratio	Lower	Upper
96	100		
61	129.3	0.0	258.0
98	67.3	0.0	130.8

Manual Integrations
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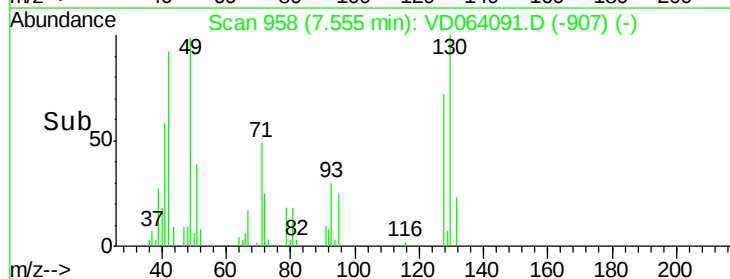
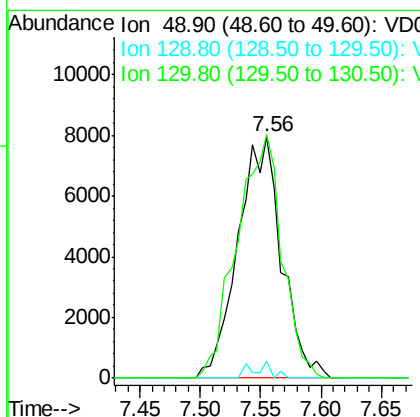
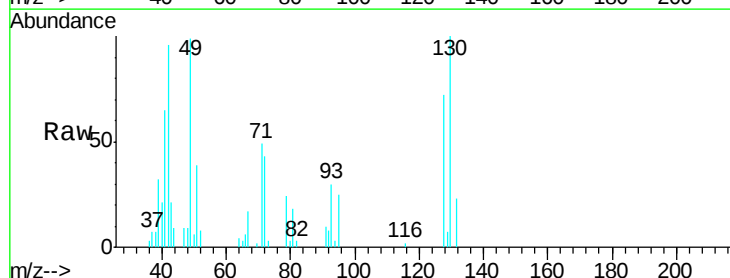
MMDadoda
10/30/2019 10:58:36 AM

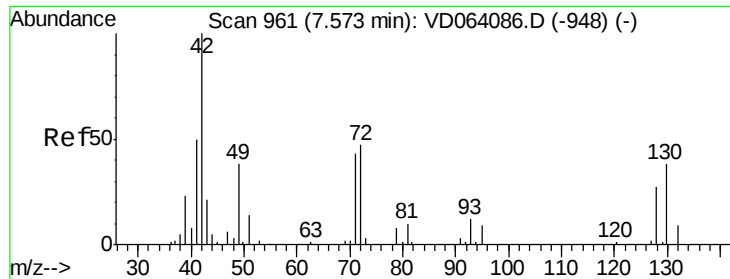


#28

Bromochloromethane
Concen: 15.667 ug/l
RT: 7.56 min Scan# 958
Delta R.T. 0.00 min
Lab File: VD064091.D
Acq: 29 Oct 2019 16:21

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.6	0.0	5.4
130	103.6	75.3	112.9





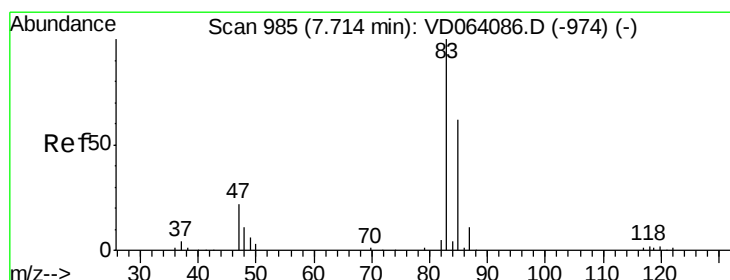
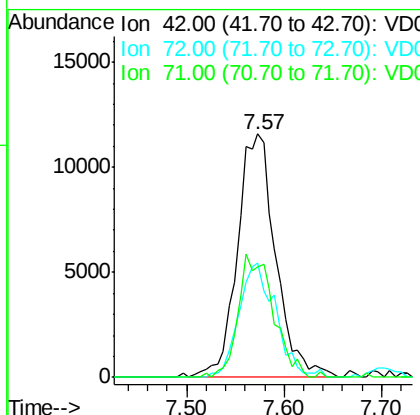
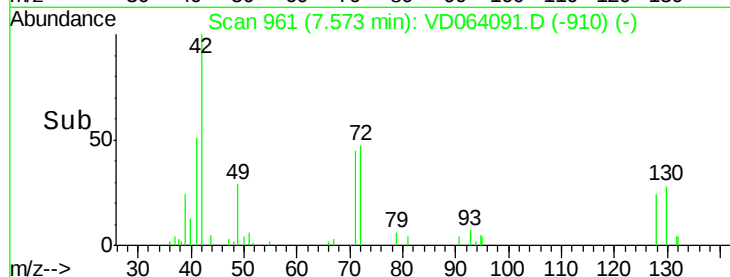
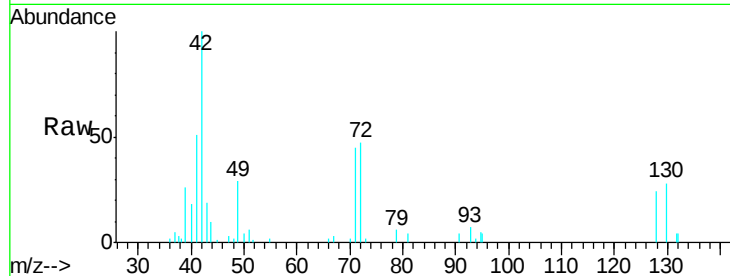
#29
Tetrahydrofuran
Concen: 108.294 ug/l
RT: 7.57 min Scan# 961
Delta R.T. 0.00 min
Lab File: VD064091.D
Acq: 29 Oct 2019 16:21

Instrument :
MSVOA_D
ClientSampleId :
VD1029SBS01

Tgt Ion	Ratio	Lower	Upper
42	100		
72	44.8	38.9	58.3
71	46.1	35.4	53.2

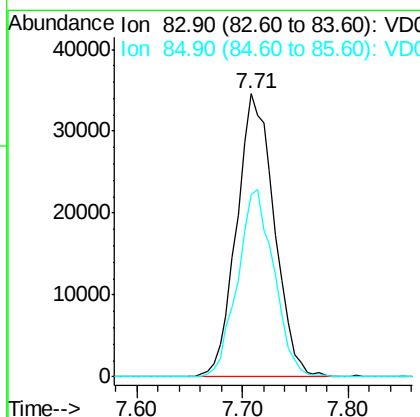
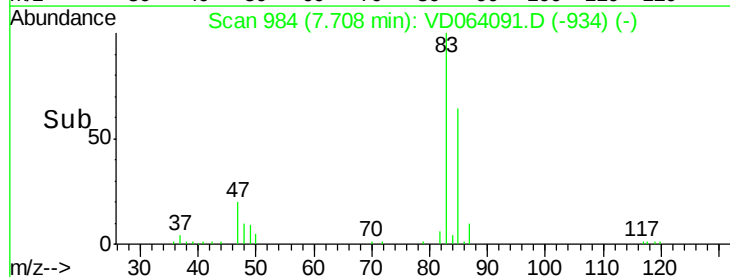
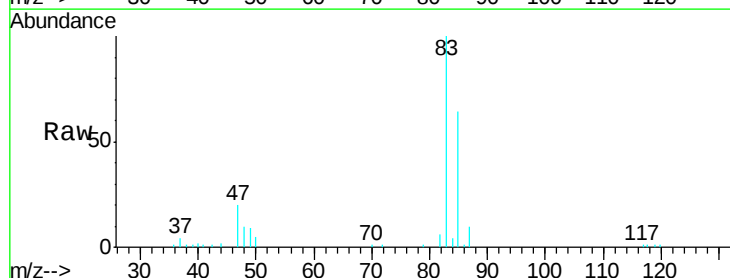
Manual Integrations
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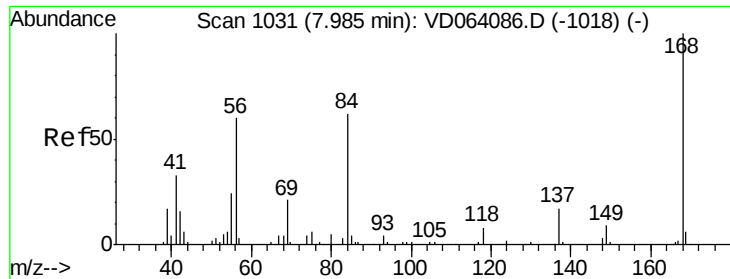
MMDadoda
10/30/2019 10:58:36 AM



#30
Chloroform
Concen: 20.428 ug/l
RT: 7.71 min Scan# 984
Delta R.T. -0.01 min
Lab File: VD064091.D
Acq: 29 Oct 2019 16:21

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.4	49.8	74.6





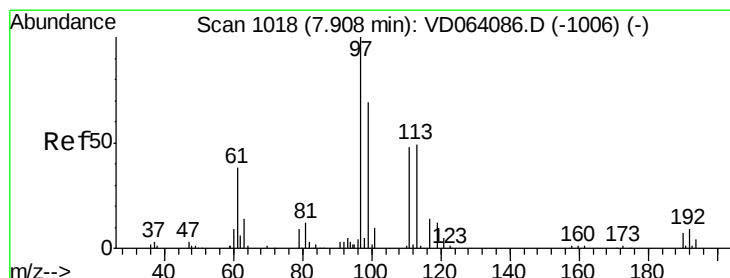
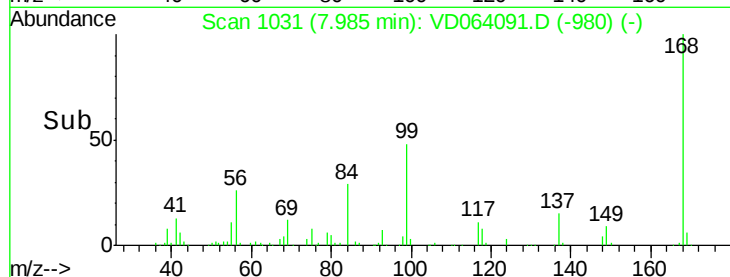
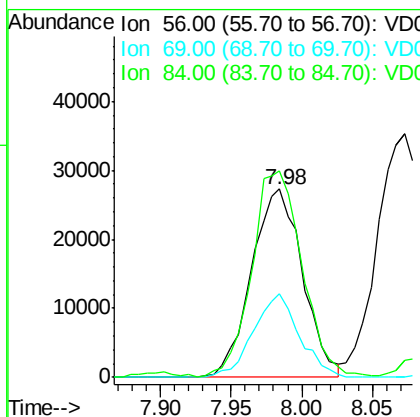
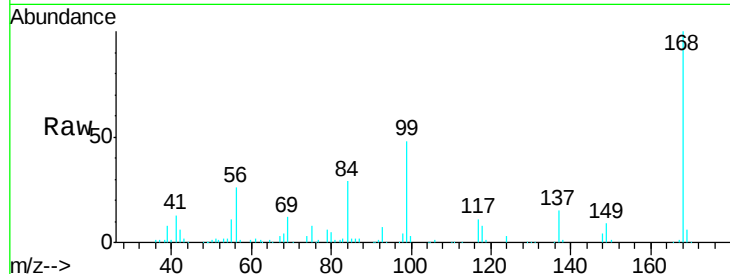
#31
Cyclohexane
Concen: 19.495 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD064091.D
Acq: 29 Oct 2019 16:21

Instrument :
MSVOA_D
ClientSampleId :
VD1029SBS01

Tgt Ion	Ratio	Lower	Upper
56	100		
69	44.5	27.7	41.5#
84	108.0	83.1	124.7

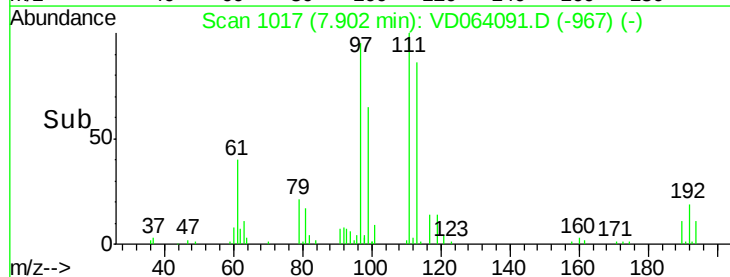
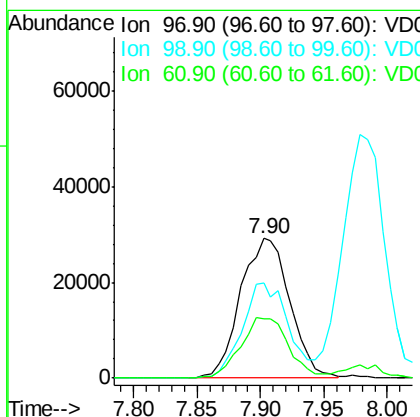
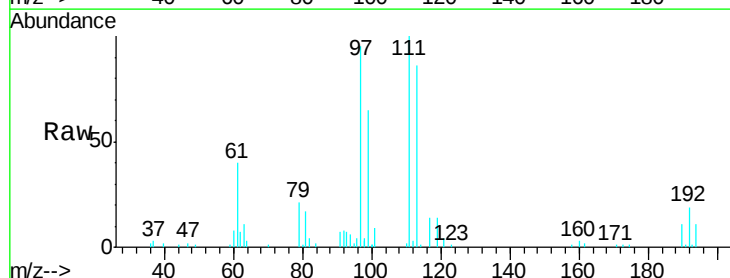
Manual Integrations
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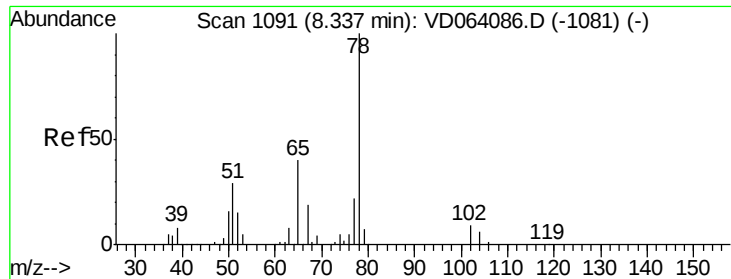
MMDadoda
10/30/2019 10:58:36 AM



#32
1,1,1-Trichloroethane
Concen: 20.248 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. -0.01 min
Lab File: VD064091.D
Acq: 29 Oct 2019 16:21

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.4	53.7	80.5
61	42.2	31.8	47.6





#33

1,2-Dichloroethane-d4

Concen: 54.318 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. 0.00 min

Lab File: VD064091.D

Acq: 29 Oct 2019 16:21

Instrument :

MSVOA_D

ClientSampleId :

VD1029SBS01

Tgt Ion: 65 Resp: 103736

Ion Ratio Lower Upper

65 100

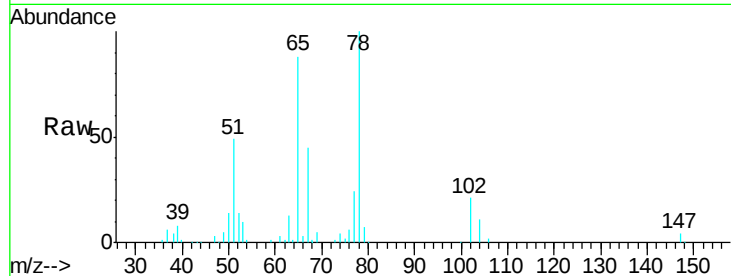
67 50.1 0.0 104.6

Manual Integrations

APPROVED

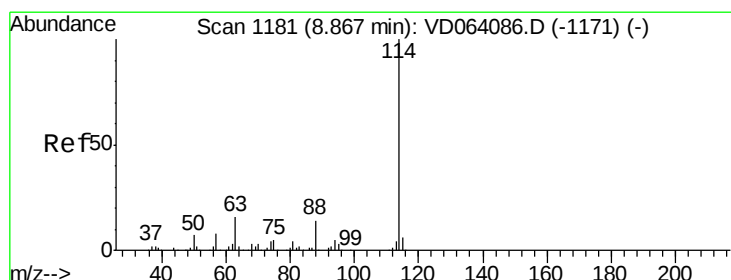
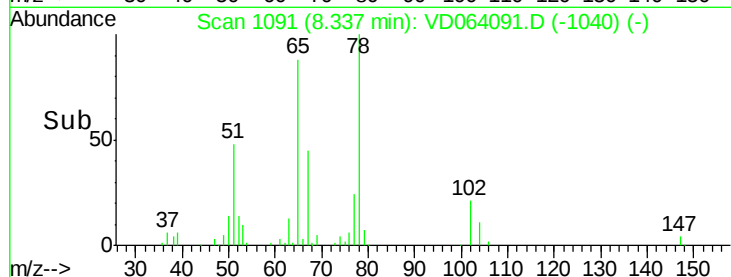
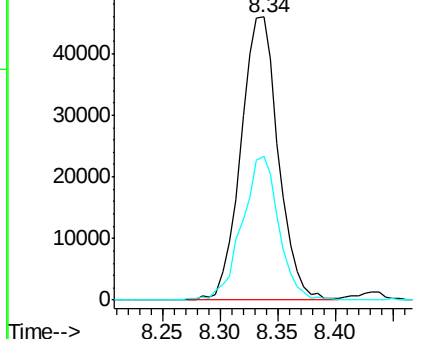
MMDadoda

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Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. 0.00 min

Lab File: VD064091.D

Acq: 29 Oct 2019 16:21

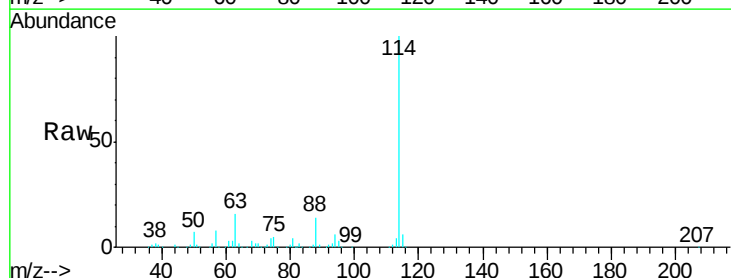
Tgt Ion: 114 Resp: 355745

Ion Ratio Lower Upper

114 100

63 15.8 0.0 32.8

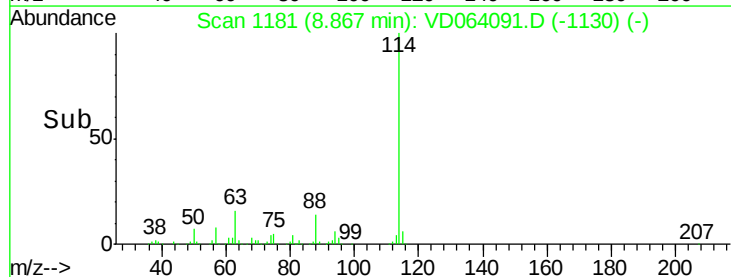
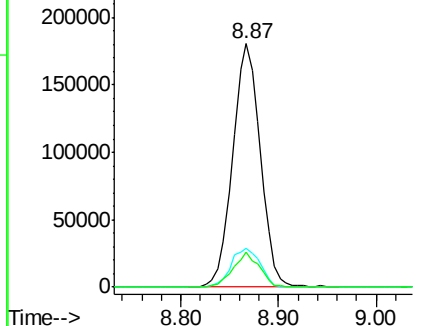
88 14.4 0.0 27.6

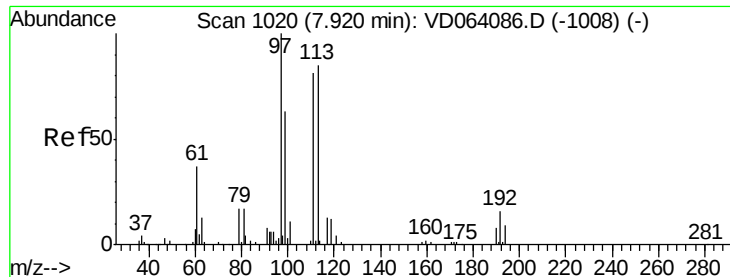


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC





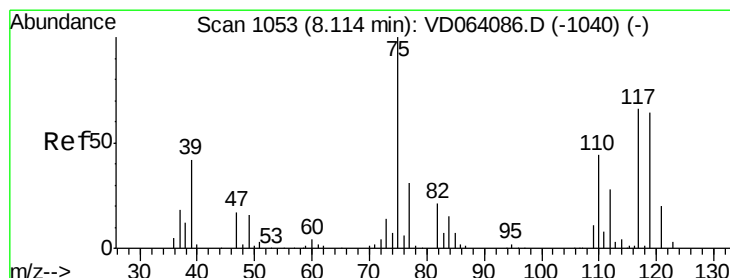
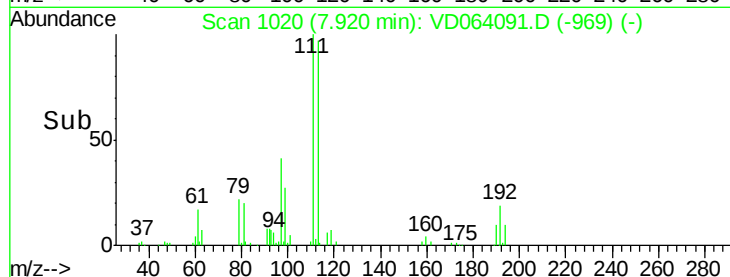
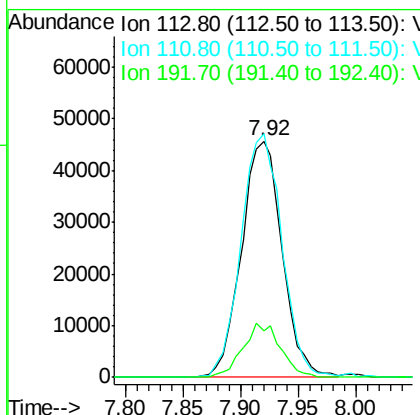
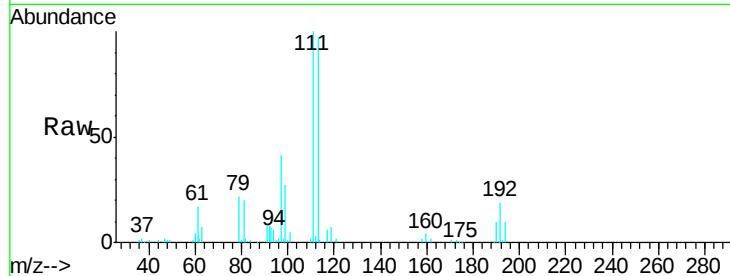
#35
 Dibromofluoromethane
 Concen: 51.277 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD064091.D
 Acq: 29 Oct 2019 16:21

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1029SBS01

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	112228		
111	104.2	79.3	118.9	
192	21.0	16.2	24.2	

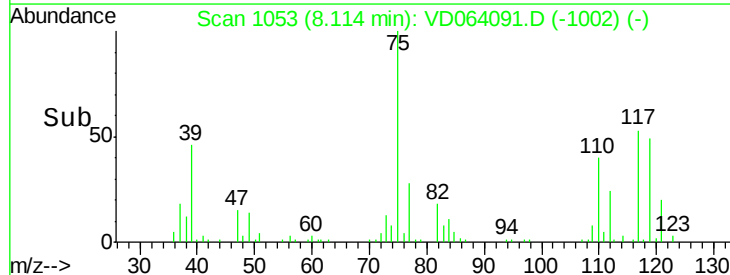
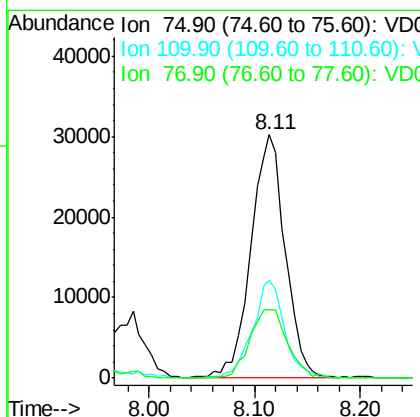
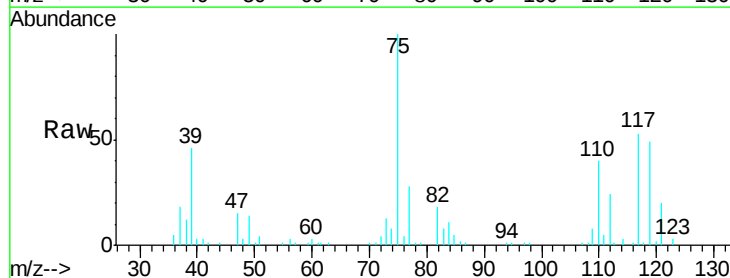
Manual Integrations
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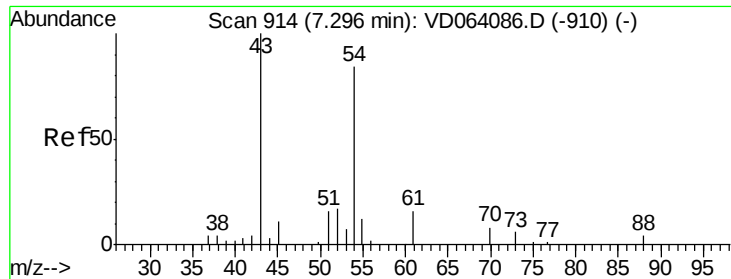
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 10/30/2019 10:58:36 AM



#36
 1,1-Dichloropropene
 Concen: 20.455 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. 0.00 min
 Lab File: VD064091.D
 Acq: 29 Oct 2019 16:21

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	68184		
110	37.6	20.0	59.9	
77	31.2	24.7	37.1	





#37

Ethyl Acetate

Concen: 21.465 ug/l

RT: 7.30 min Scan# 915

Delta R.T. 0.01 min

Lab File: VD064091.D

Acq: 29 Oct 2019 16:21

Instrument :

MSVOA_D

ClientSampleId :

VD1029SBS01

Tgt Ion: 43 Resp: 22024

Ion Ratio Lower Upper

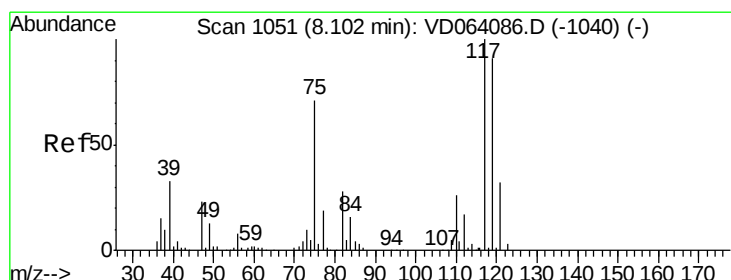
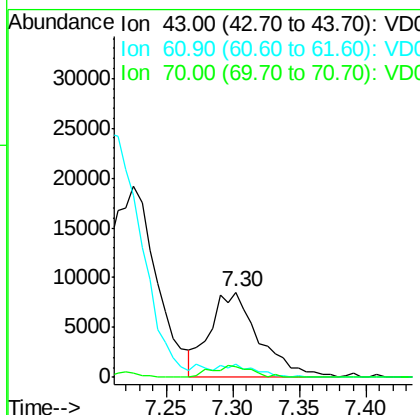
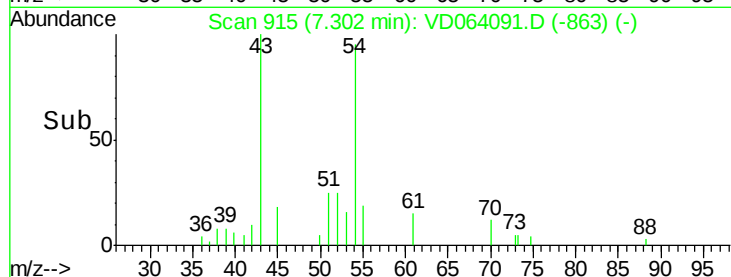
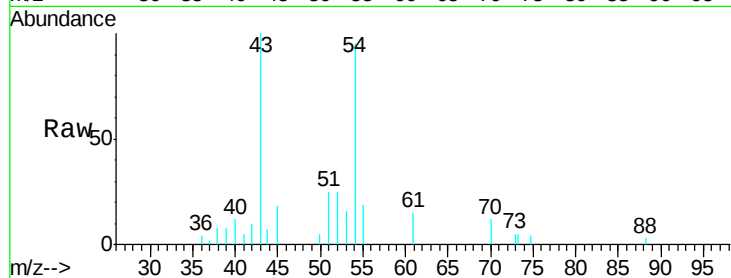
43 100

61 10.5 12.0 18.0#

70 11.2 3.8 5.6#

Manual Integrations
APPROVED

MMDadoda
10/30/2019 10:58:36 AM



#38

Carbon Tetrachloride

Concen: 20.638 ug/l

RT: 8.10 min Scan# 1050

Delta R.T. -0.01 min

Lab File: VD064091.D

Acq: 29 Oct 2019 16:21

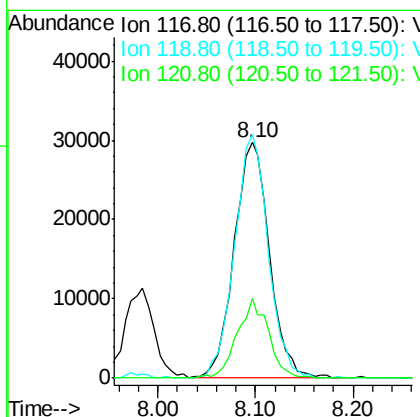
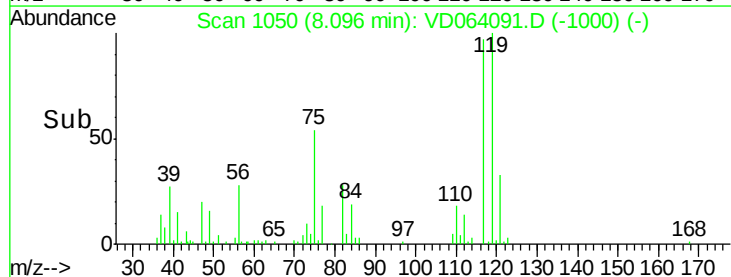
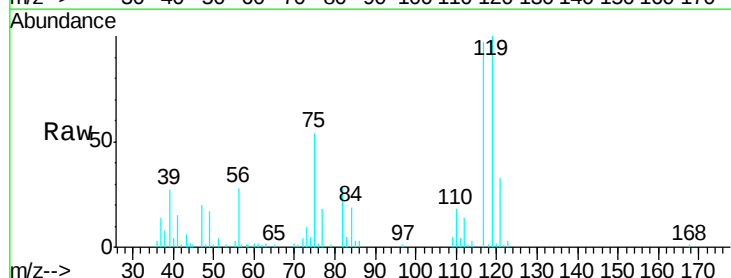
Tgt Ion: 117 Resp: 75061

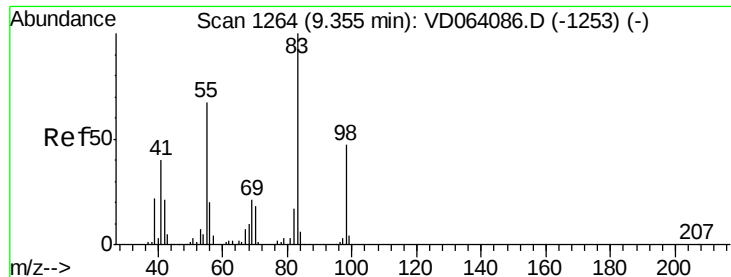
Ion Ratio Lower Upper

117 100

119 103.2 72.6 108.8

121 33.9 25.8 38.6





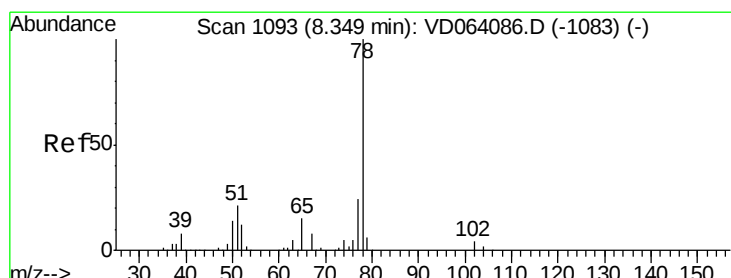
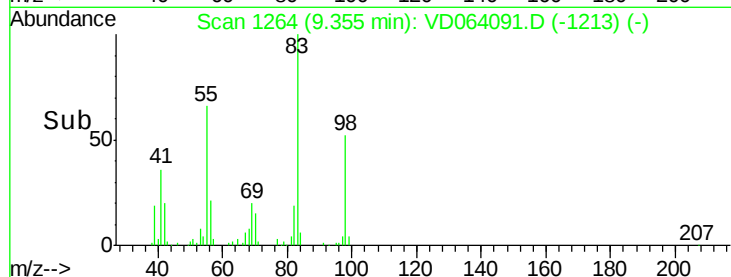
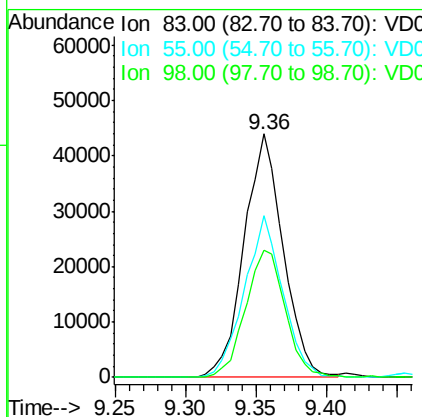
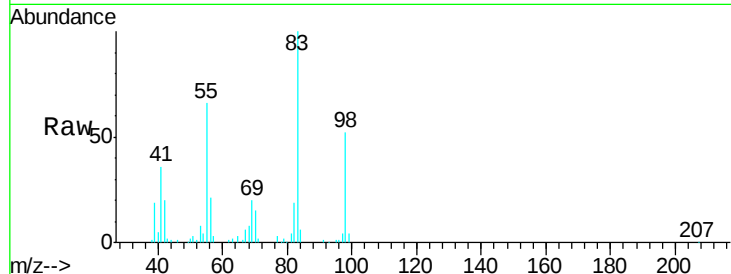
#39
Methylcyclohexane
Concen: 20.812 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD064091.D
Acq: 29 Oct 2019 16:21

Instrument :
MSVOA_D
ClientSampleId :
VD1029SBS01

Tgt Ion	Ratio	Lower	Upper
83	100		
55	66.5	53.4	80.0
98	52.4	37.8	56.6

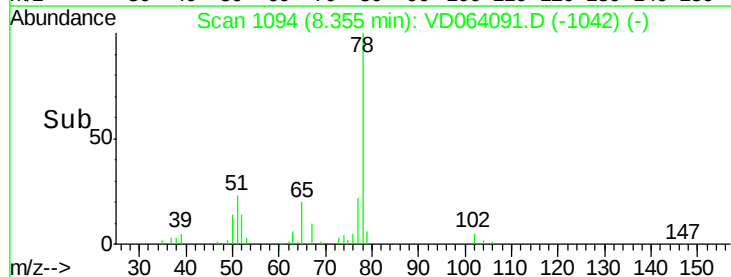
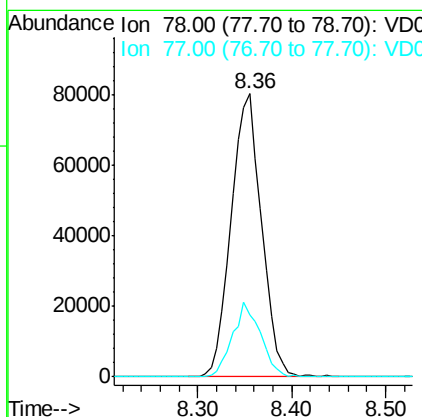
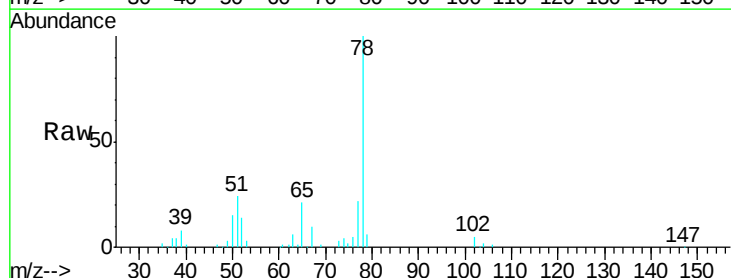
Manual Integrations
APPROVED

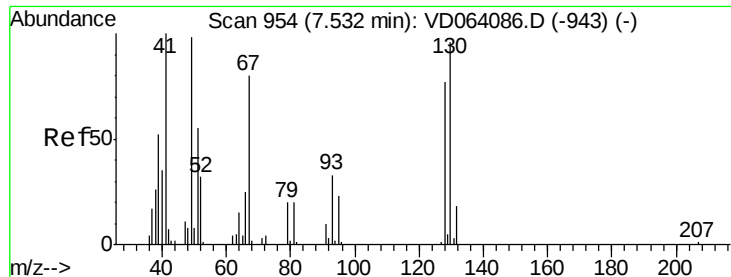
MMDadoda
10/30/2019 10:58:36 AM



#40
Benzene
Concen: 19.849 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.01 min
Lab File: VD064091.D
Acq: 29 Oct 2019 16:21

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.1	19.0	28.4





#41

Methacrylonitrile

Concen: 17.201 ug/l

RT: 7.52 min Scan# 952

Delta R.T. -0.01 min

Lab File: VD064091.D

Acq: 29 Oct 2019 16:21

Instrument :

MSVOA_D

ClientSampleId :

VD1029SBS01

Tgt Ion: 41 Resp: 10185
Ion Ratio Lower Upper

41 100

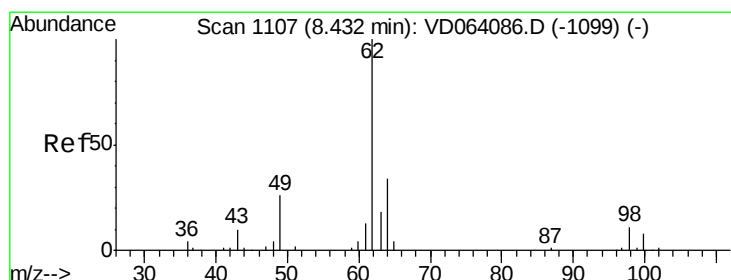
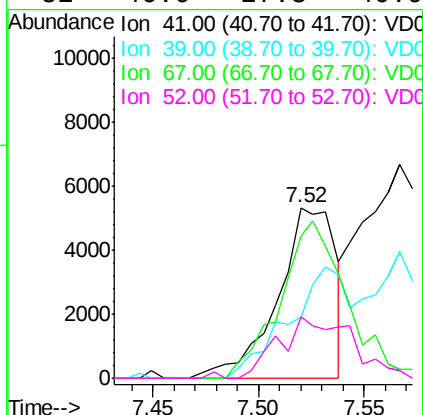
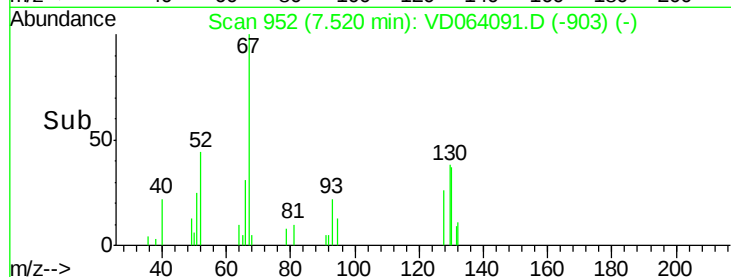
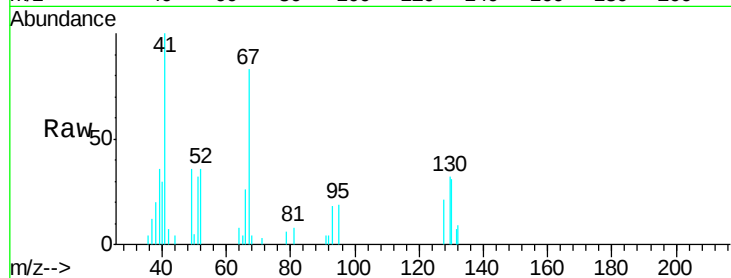
39 66.3 41.0 61.4#

67 105.7 73.4 110.0

52 46.0 27.3 40.9#

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#42

1,2-Dichloroethane

Concen: 21.117 ug/l

RT: 8.43 min Scan# 1107

Delta R.T. 0.00 min

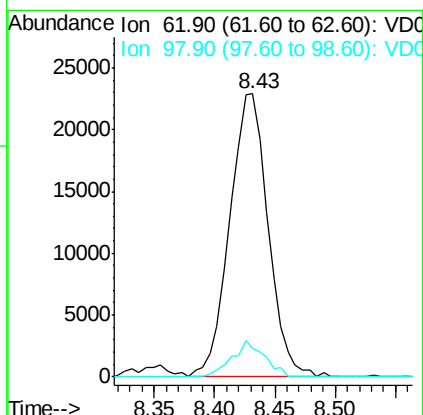
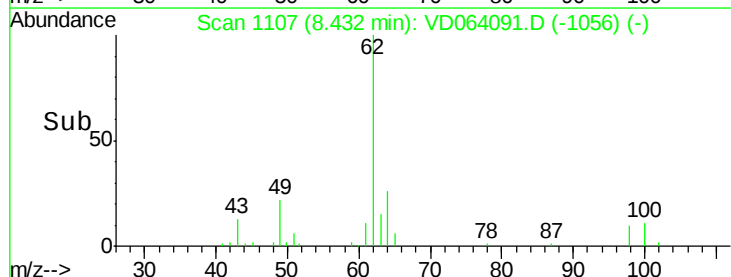
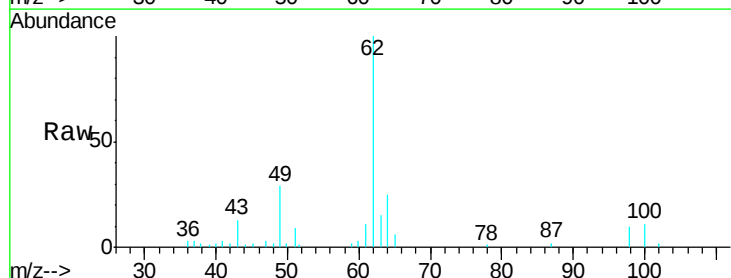
Lab File: VD064091.D

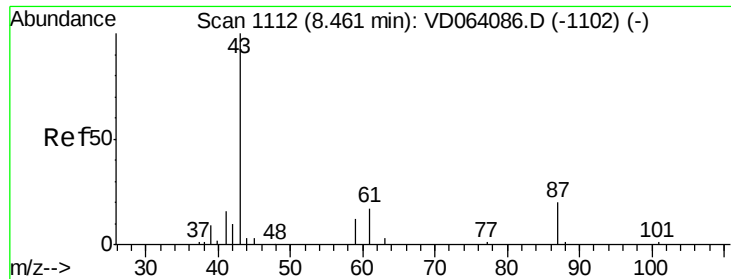
Acq: 29 Oct 2019 16:21

Tgt Ion: 62 Resp: 50705
Ion Ratio Lower Upper

62 100

98 10.9 0.0 21.0





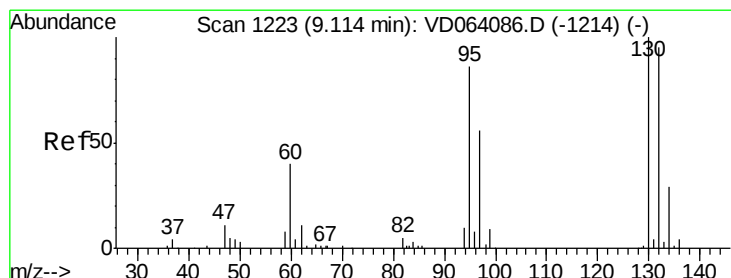
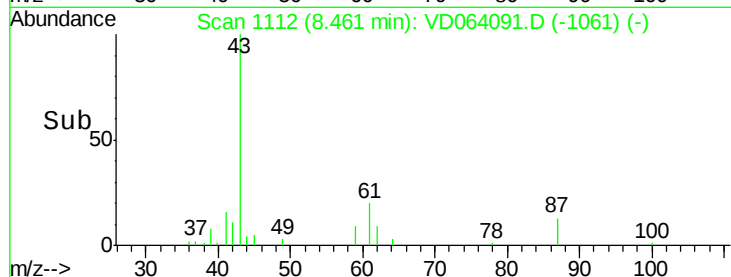
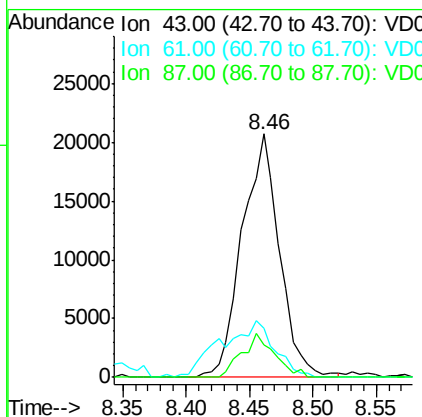
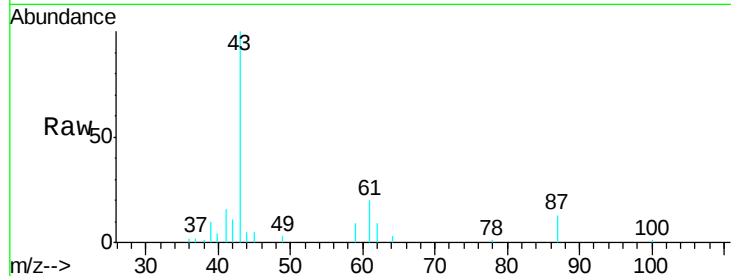
#43
Isopropyl Acetate
Concen: 20.470 ug/l
RT: 8.46 min Scan# 1112
Delta R.T. 0.00 min
Lab File: VD064091.D
Acq: 29 Oct 2019 16:21

Instrument :
MSVOA_D
ClientSampleId :
VD1029SBS01

Tgt Ion	Ratio	Lower	Upper
43	100		
61	33.0	25.8	38.8
87	15.8	13.0	19.4

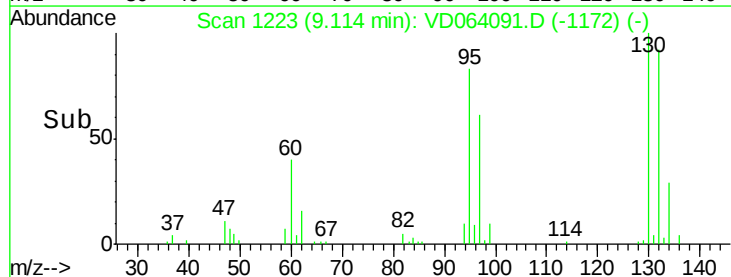
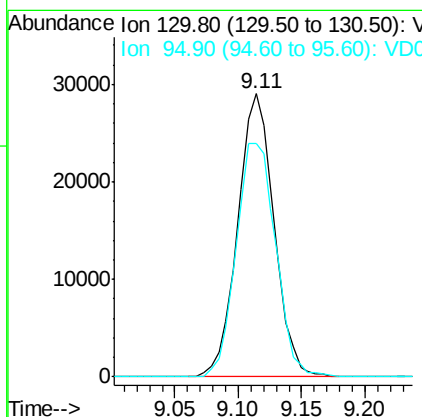
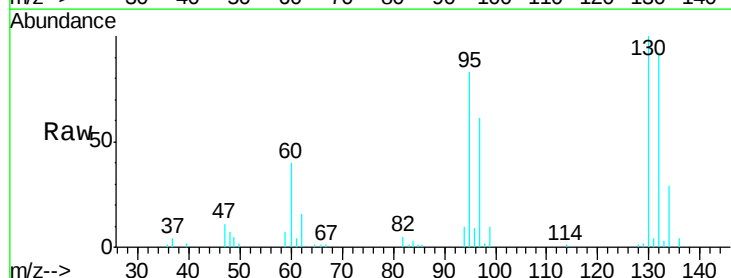
Manual Integrations
APPROVED

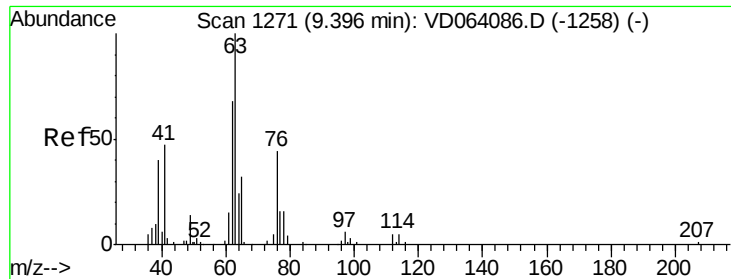
MMDadoda
10/30/2019 10:58:36 AM



#44
Trichloroethene
Concen: 20.939 ug/l
RT: 9.11 min Scan# 1223
Delta R.T. 0.00 min
Lab File: VD064091.D
Acq: 29 Oct 2019 16:21

Tgt Ion	Ratio	Lower	Upper
130	100		
95	82.6	0.0	173.0





#45

1,2-Dichloropropane

Concen: 19.822 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. -0.01 min

Lab File: VD064091.D

Acq: 29 Oct 2019 16:21

Instrument :

MSVOA_D

ClientSampleId :

VD1029SBS01

Tgt Ion: 63 Resp: 41757

Ion Ratio Lower Upper

63 100

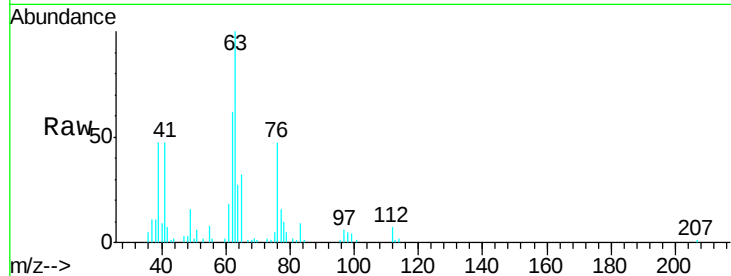
65 31.6 25.8 38.8

Manual Integrations

APPROVED

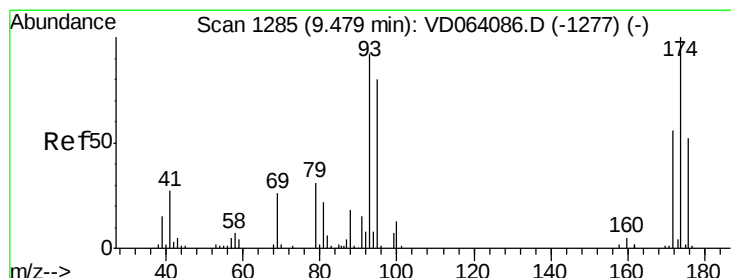
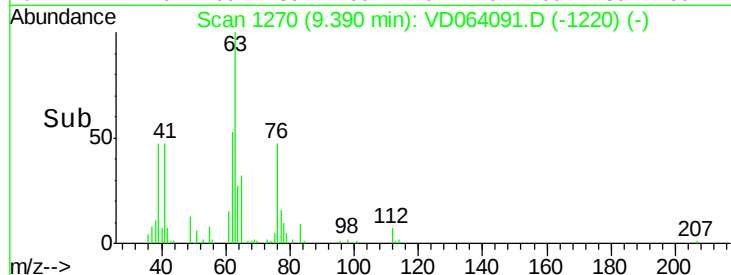
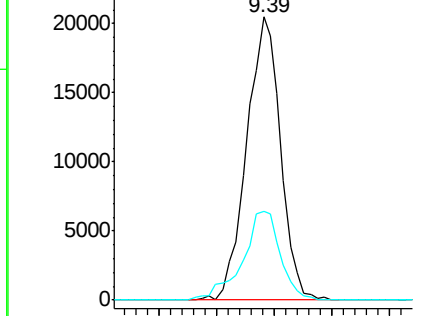
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Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC



#46

Dibromomethane

Concen: 19.635 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. 0.00 min

Lab File: VD064091.D

Acq: 29 Oct 2019 16:21

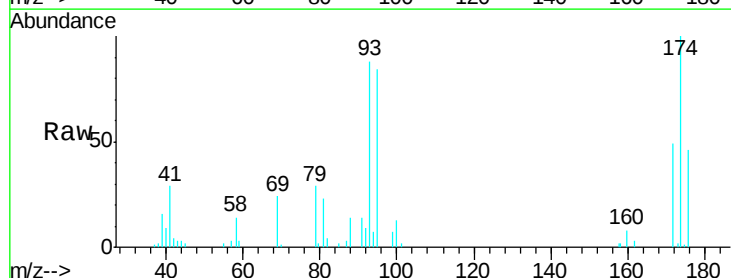
Tgt Ion: 93 Resp: 24912

Ion Ratio Lower Upper

93 100

95 86.3 67.4 101.2

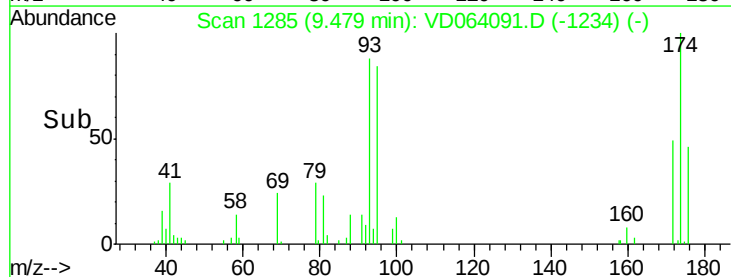
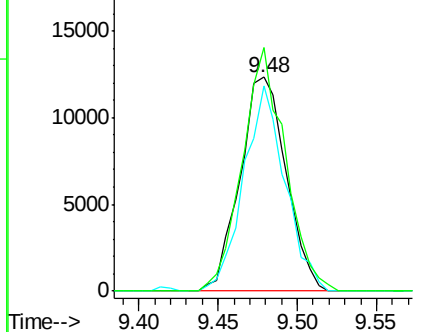
174 106.1 86.4 129.6

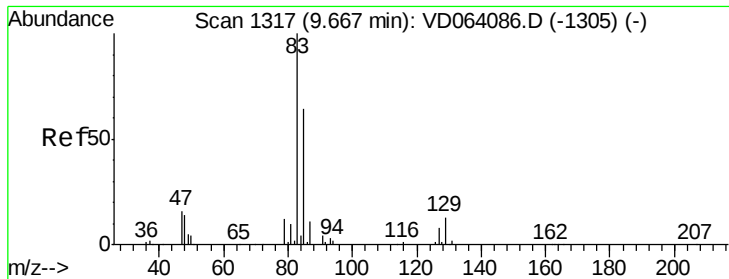


Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): VDC





#47

Bromodichloromethane

Concen: 20.332 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VD064091.D

Acq: 29 Oct 2019 16:21

Instrument :

MSVOA_D

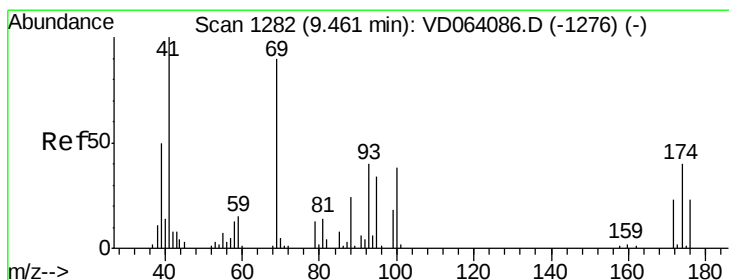
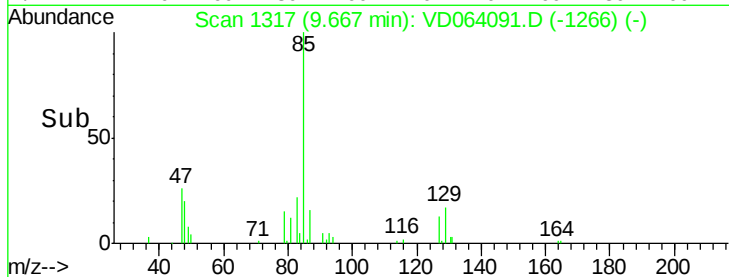
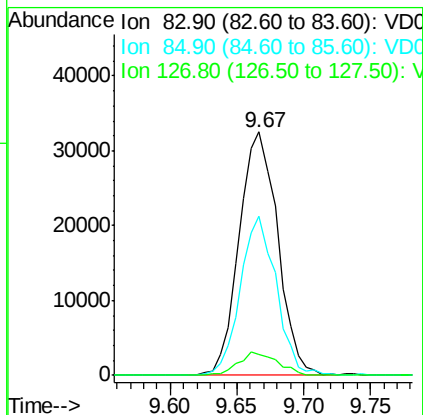
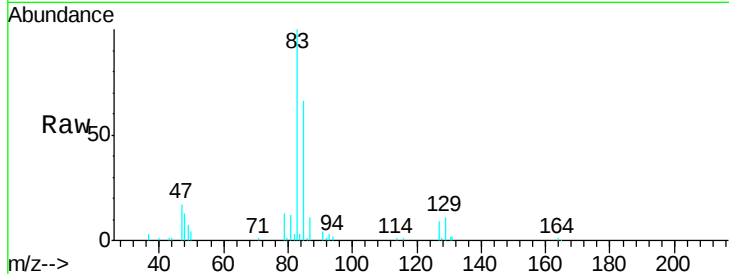
ClientSampleId :

VD1029SBS01

Tgt Ion:	83	Resp:	65079
Ion	Ratio	Lower	Upper
83	100		
85	65.6	51.4	77.0
127	8.8	6.7	10.1

Manual Integrations
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#48

Methyl methacrylate

Concen: 20.606 ug/l

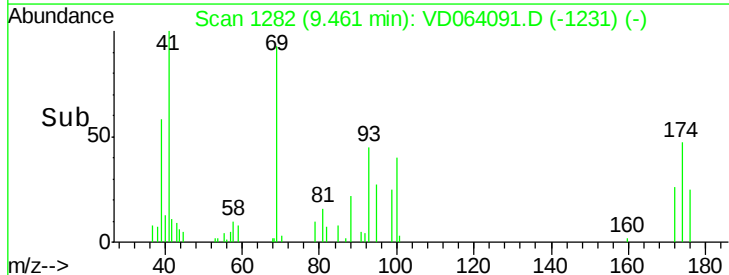
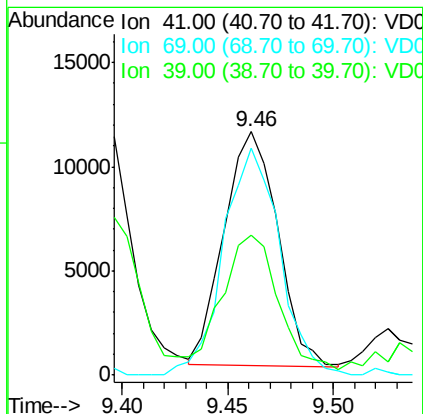
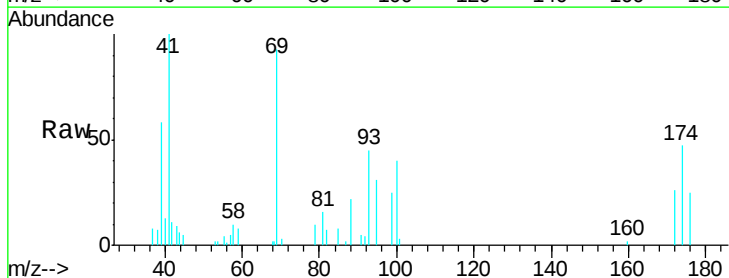
RT: 9.46 min Scan# 1282

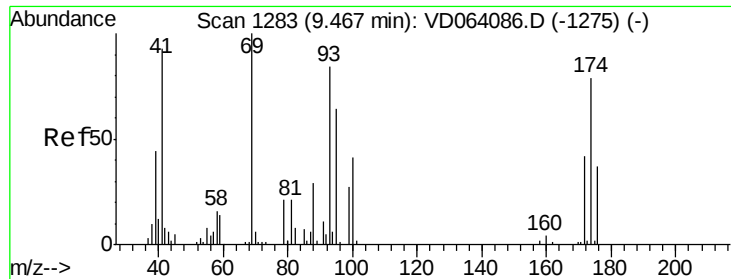
Delta R.T. 0.00 min

Lab File: VD064091.D

Acq: 29 Oct 2019 16:21

Tgt Ion:	41	Resp:	19759
Ion	Ratio	Lower	Upper
41	100		
69	101.8	82.6	124.0
39	66.5	47.0	70.4





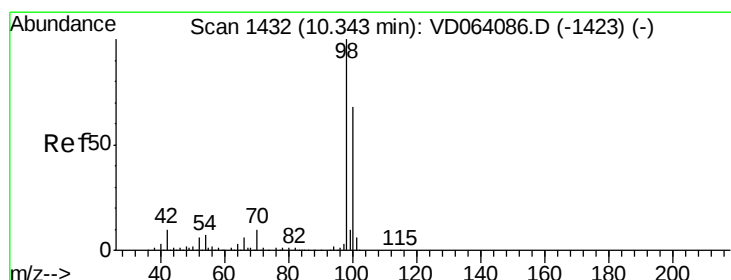
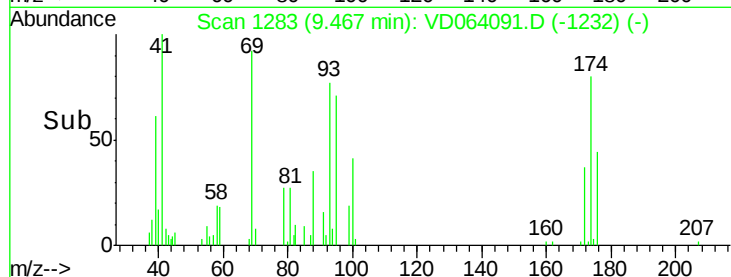
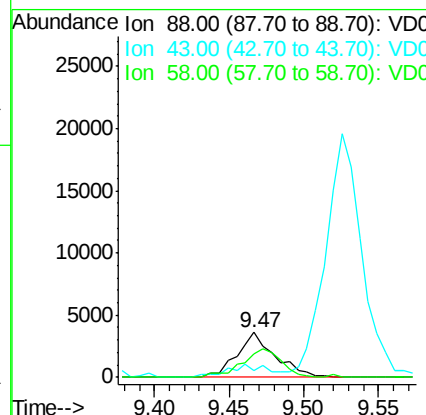
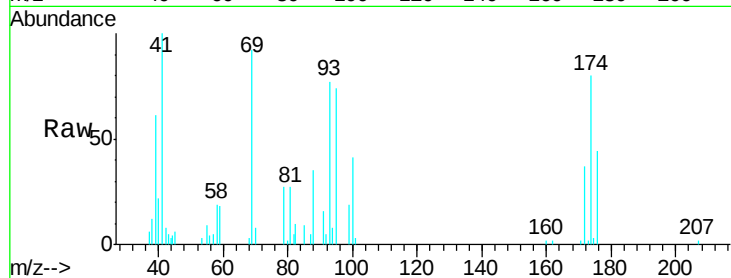
#49
1,4-Dioxane
Concen: 441.365 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VD064091.D
Acq: 29 Oct 2019 16:21

Instrument :
MSVOA_D
ClientSampleId :
VD1029SBS01

Tgt Ion: 88 Resp: 6410
Ion Ratio Lower Upper
88 100
43 31.8 13.4 20.0#
58 65.3 46.7 70.1

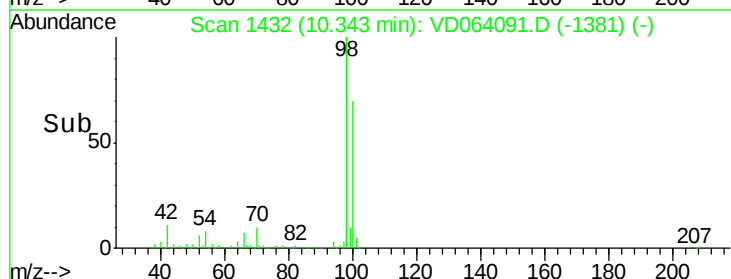
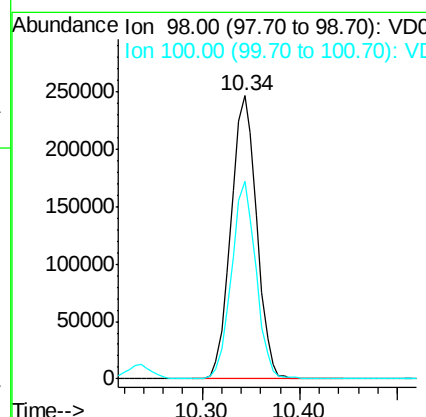
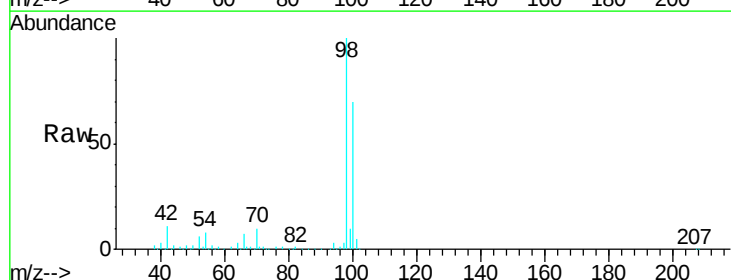
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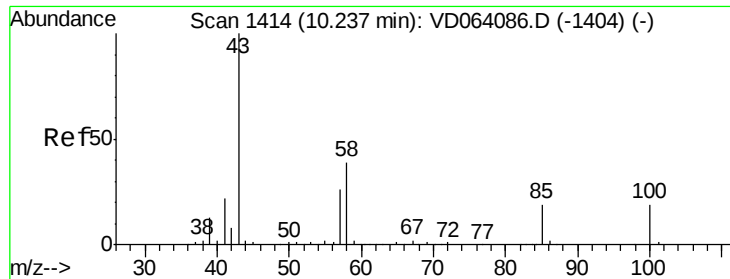
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#50
Toluene-d8
Concen: 51.575 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD064091.D
Acq: 29 Oct 2019 16:21

Tgt Ion: 98 Resp: 451426
Ion Ratio Lower Upper
98 100
100 66.2 53.4 80.0





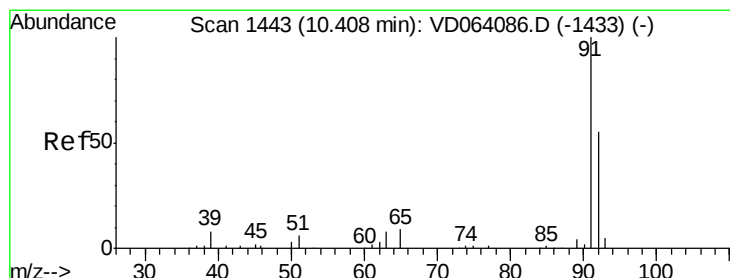
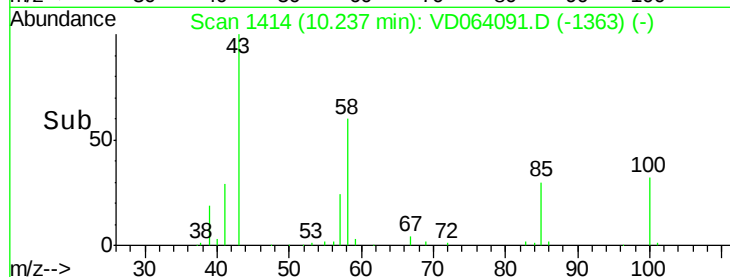
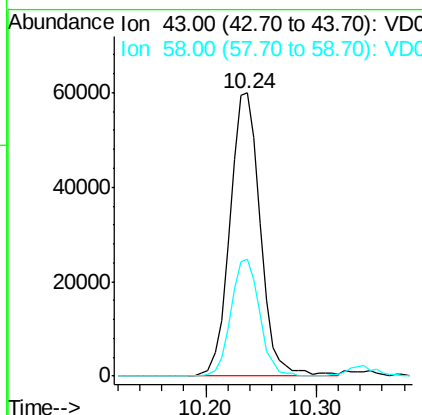
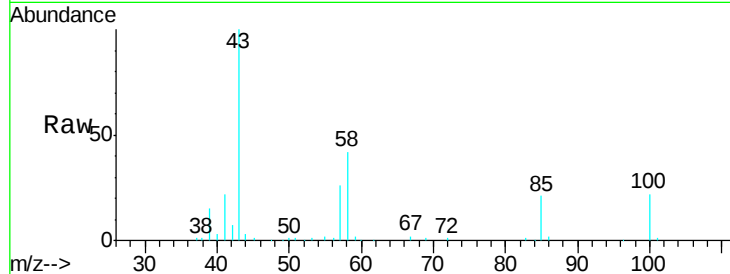
#51
 4-Methyl-2-Pentanone
 Concen: 102.683 ug/l
 RT: 10.24 min Scan# 1414
 Delta R.T. 0.00 min
 Lab File: VD064091.D
 Acq: 29 Oct 2019 16:21

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1029SBS01

Tgt Ion: 43 Resp: 115913
 Ion Ratio Lower Upper
 43 100
 58 39.0 33.0 49.4

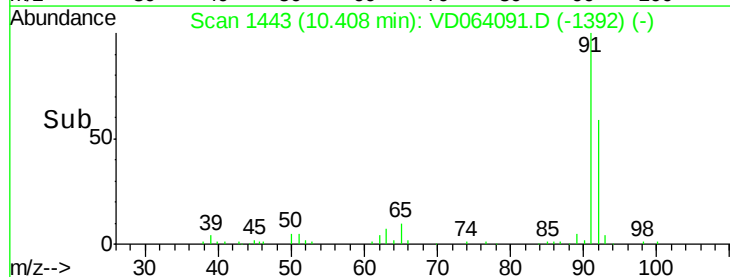
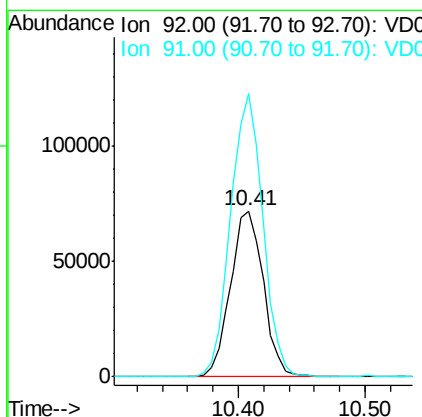
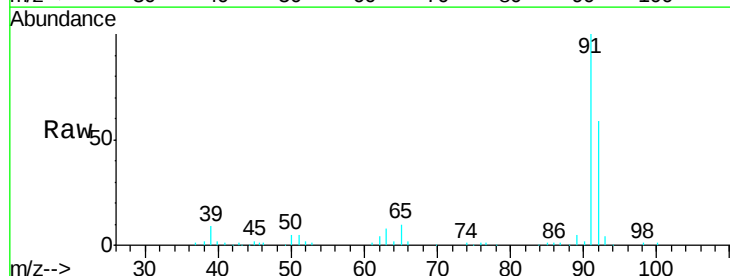
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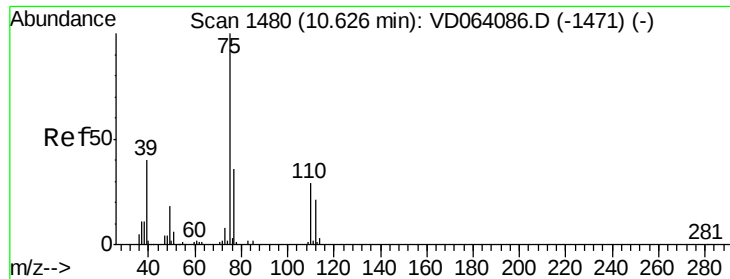
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#52
 Toluene
 Concen: 20.228 ug/l
 RT: 10.41 min Scan# 1443
 Delta R.T. 0.00 min
 Lab File: VD064091.D
 Acq: 29 Oct 2019 16:21

Tgt Ion: 92 Resp: 128861
 Ion Ratio Lower Upper
 92 100
 91 167.8 140.7 211.1





#53

t-1,3-Dichloropropene

Concen: 20.333 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. 0.00 min

Lab File: VD064091.D

Acq: 29 Oct 2019 16:21

Instrument :

MSVOA_D

ClientSampleId :

VD1029SBS01

Tgt Ion: 75 Resp: 60751

Ion Ratio Lower Upper

75 100

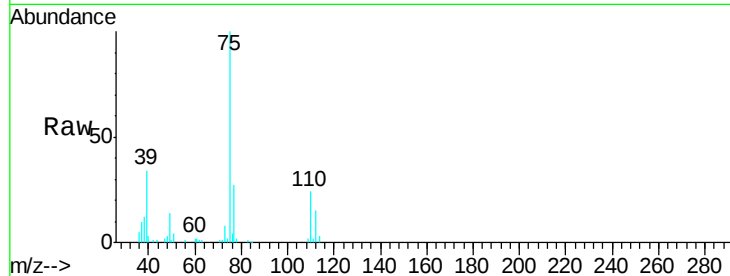
77 26.9 28.7 43.1#

Manual Integrations

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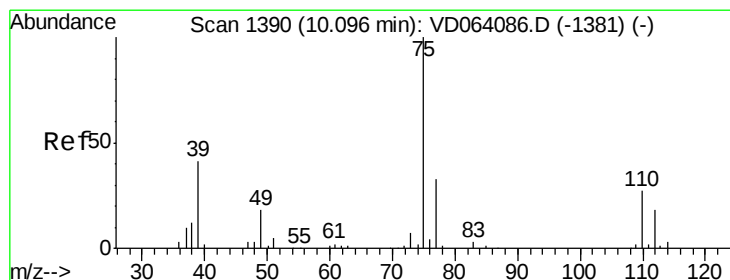
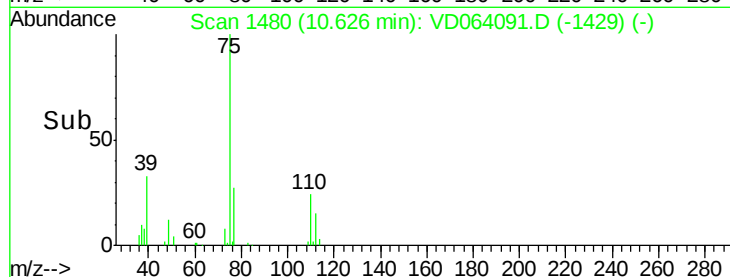
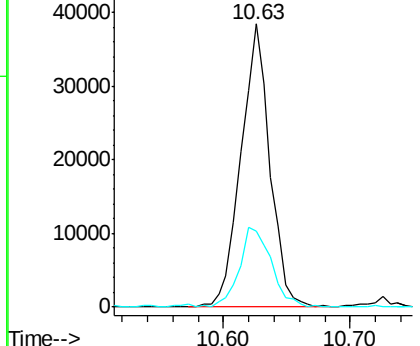
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Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 76.90 (76.60 to 77.60): VDC



#54

cis-1,3-Dichloropropene

Concen: 19.980 ug/l

RT: 10.09 min Scan# 1389

Delta R.T. -0.01 min

Lab File: VD064091.D

Acq: 29 Oct 2019 16:21

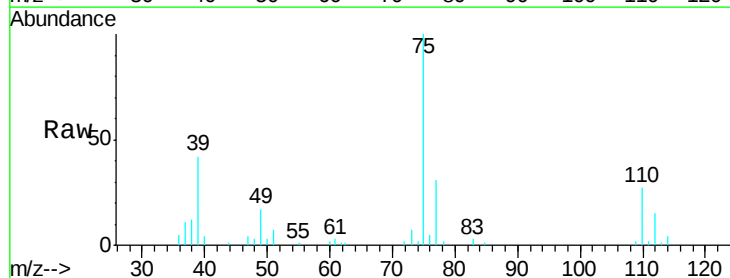
Tgt Ion: 75 Resp: 70234

Ion Ratio Lower Upper

75 100

77 31.2 26.8 40.2

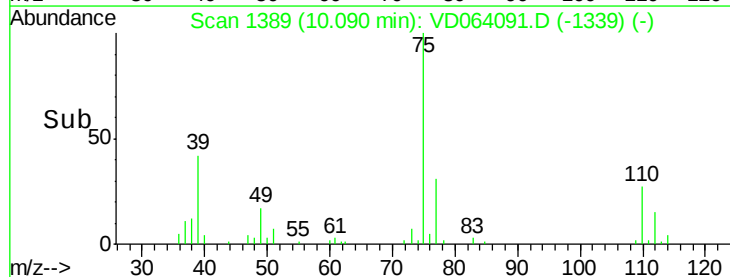
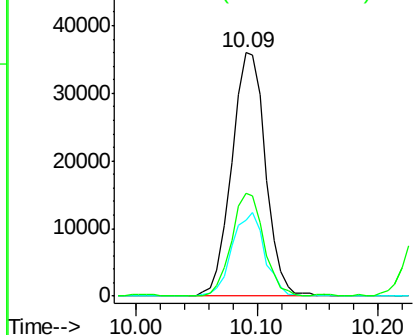
39 42.2 32.7 49.1

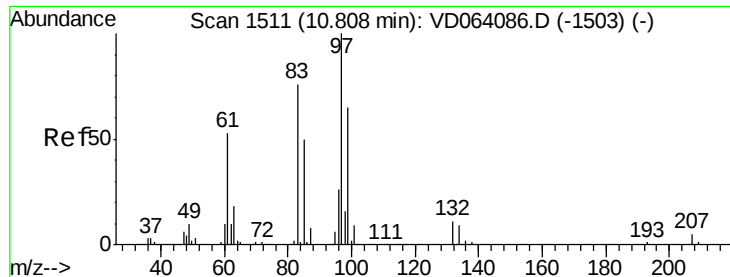


Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 76.90 (76.60 to 77.60): VDC

Ion 39.00 (38.70 to 39.70): VDC





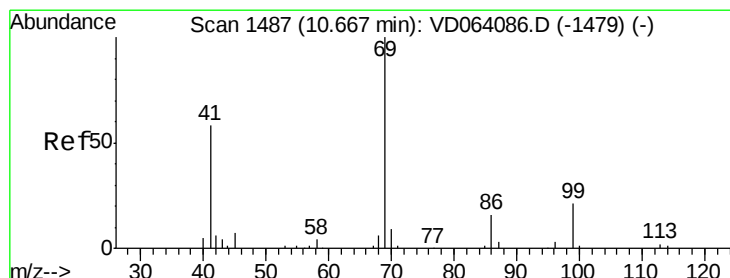
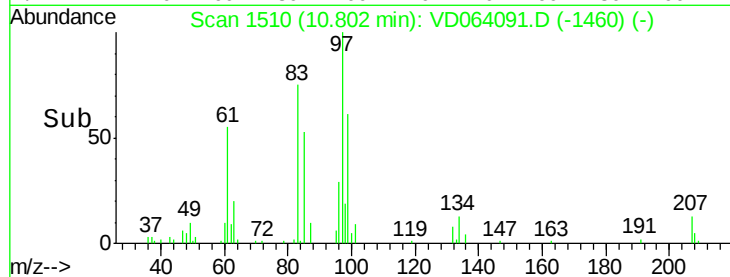
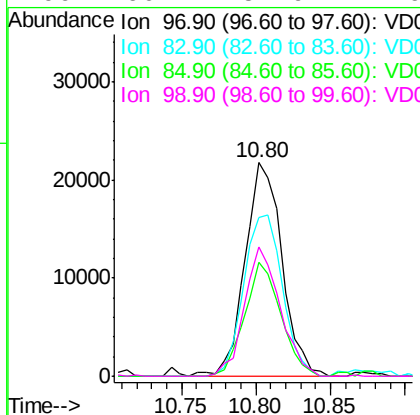
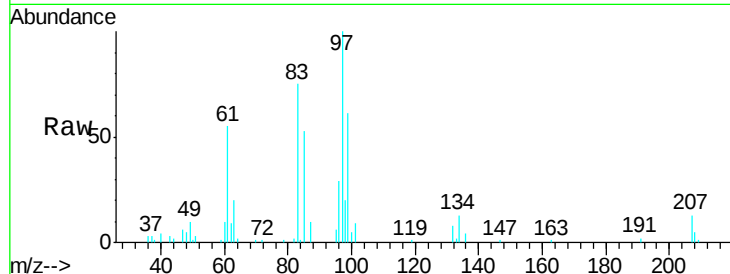
#55
 1,1,2-Trichloroethane
 Concen: 20.705 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. -0.01 min
 Lab File: VD064091.D
 Acq: 29 Oct 2019 16:21

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1029SBS01

Tgt Ion	Ratio	Resp	Lower	Upper
97	100	37245		
83	74.6	60.9	91.3	
85	53.3	40.2	60.2	
99	60.7	51.9	77.9	

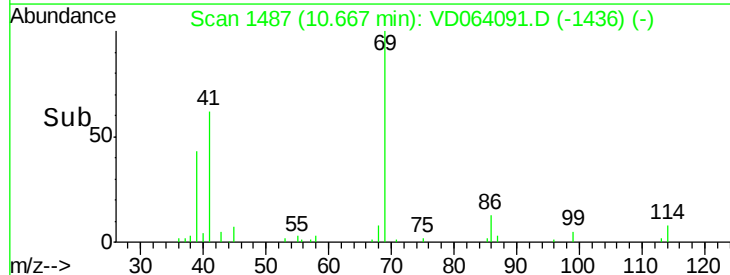
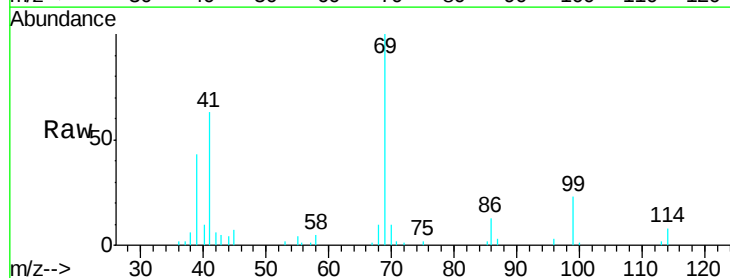
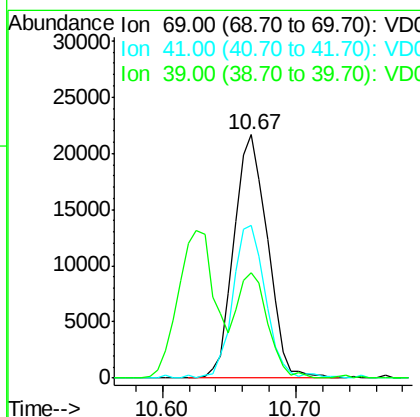
Manual Integrations
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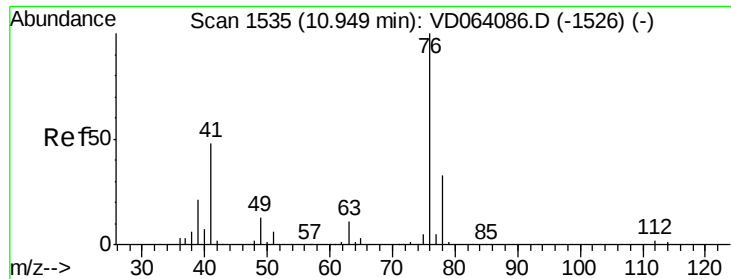
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#56
 Ethyl methacrylate
 Concen: 19.261 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. 0.00 min
 Lab File: VD064091.D
 Acq: 29 Oct 2019 16:21

Tgt Ion	Ratio	Resp	Lower	Upper
69	100	37793		
41	60.9	46.9	70.3	
39	39.3	27.3	40.9	





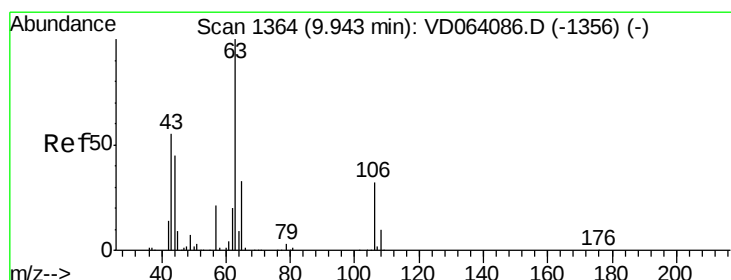
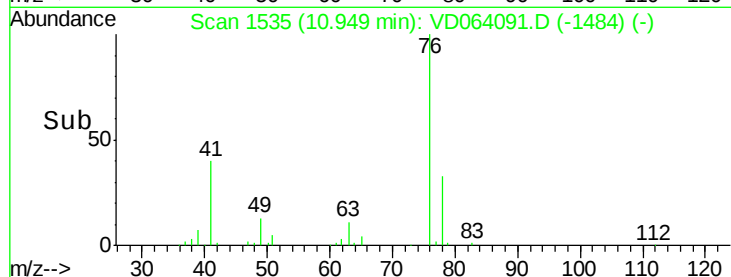
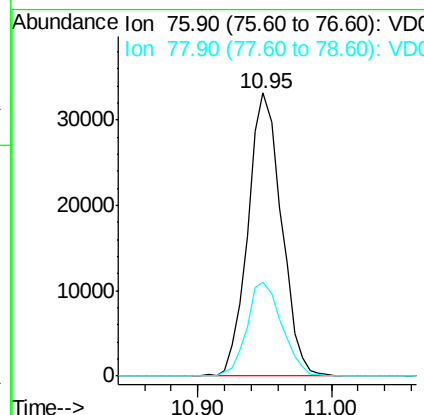
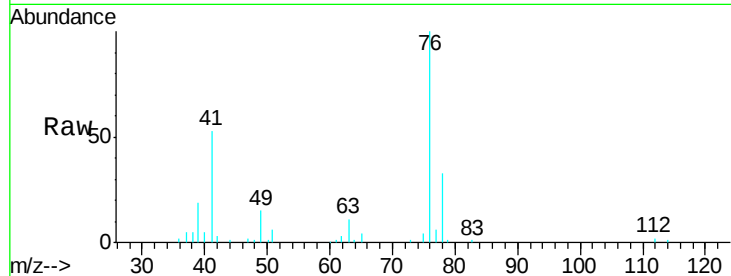
#57
 1,3-Dichloropropane
 Concen: 19.240 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. 0.00 min
 Lab File: VD064091.D
 Acq: 29 Oct 2019 16:21

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1029SBS01

Tgt Ion: 76 Resp: 57239
 Ion Ratio Lower Upper
 76 100
 78 34.7 25.9 38.9

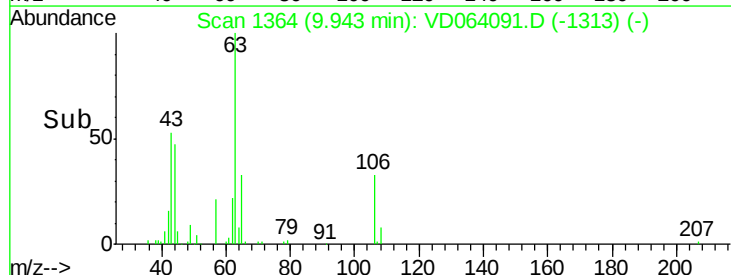
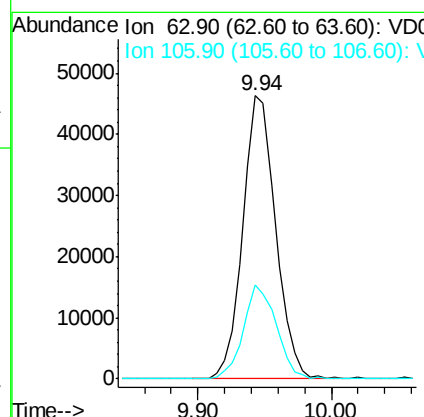
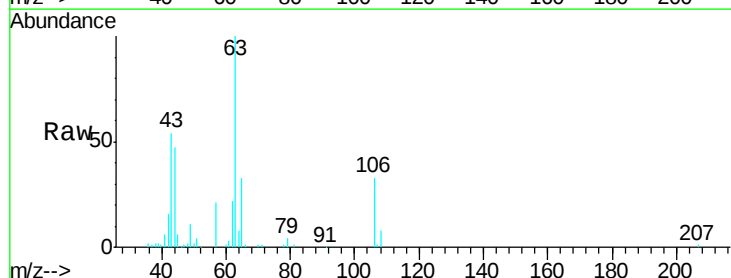
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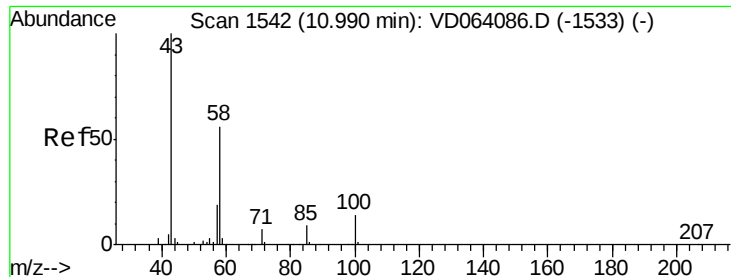
MMDadoda
 10/30/2019 10:58:36 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 100.006 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. 0.00 min
 Lab File: VD064091.D
 Acq: 29 Oct 2019 16:21

Tgt Ion: 63 Resp: 78813
 Ion Ratio Lower Upper
 63 100
 106 33.3 25.8 38.8





#59

2-Hexanone

Concen: 94.178 ug/l

RT: 10.99 min Scan# 1542

Delta R.T. 0.00 min

Lab File: VD064091.D

Acq: 29 Oct 2019 16:21

Instrument :

MSVOA_D

ClientSampleId :

VD1029SBS01

Tgt Ion: 43 Resp: 78180

Ion Ratio Lower Upper

43 100

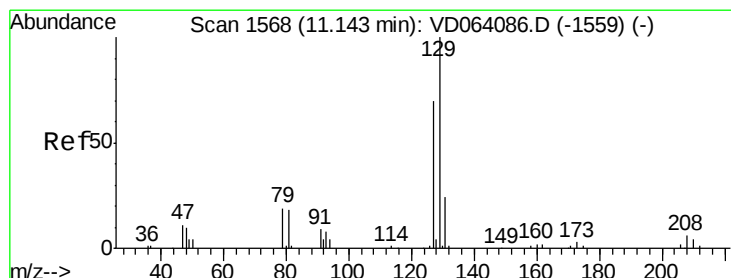
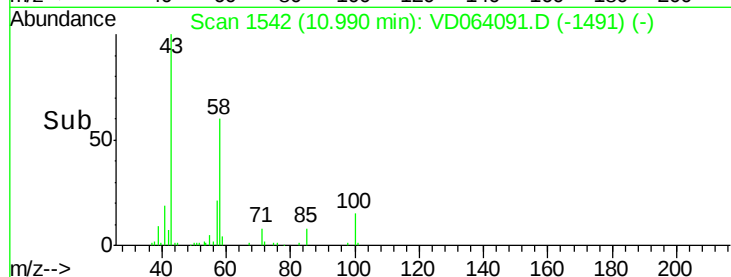
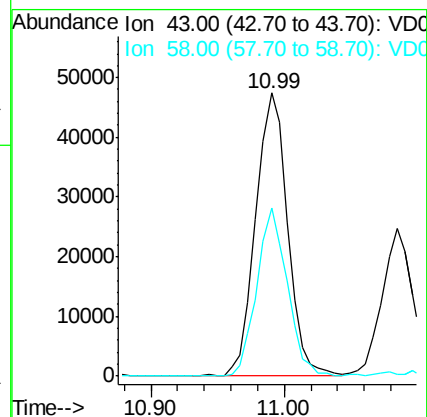
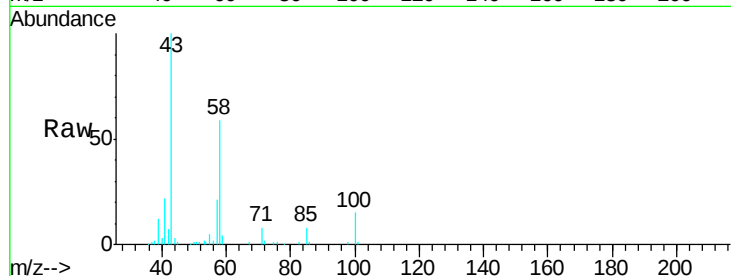
58 56.7 29.2 87.6

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#60

Dibromochloromethane

Concen: 20.150 ug/l

RT: 11.14 min Scan# 1568

Delta R.T. 0.00 min

Lab File: VD064091.D

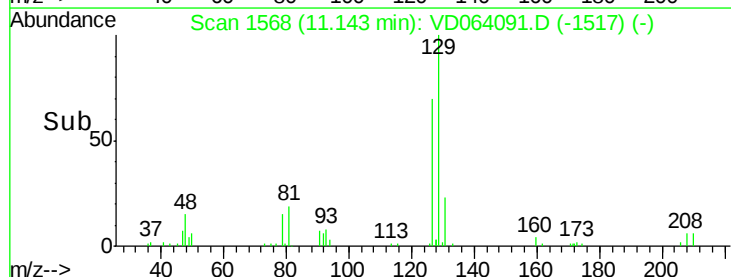
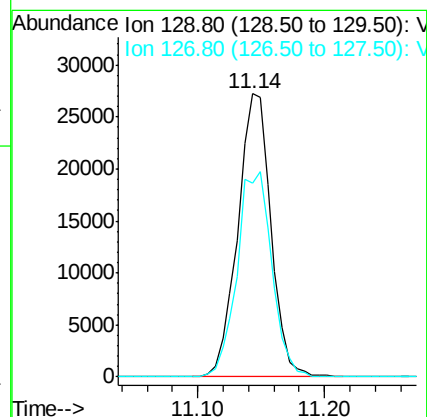
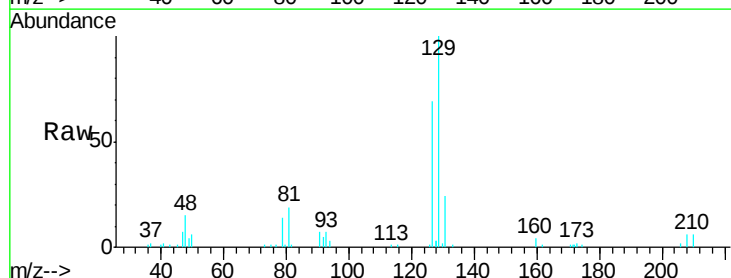
Acq: 29 Oct 2019 16:21

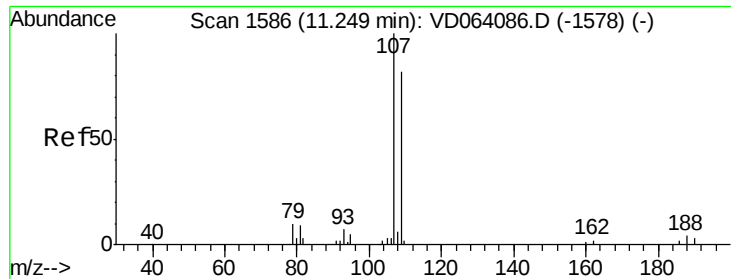
Tgt Ion: 129 Resp: 49196

Ion Ratio Lower Upper

129 100

127 75.9 38.3 114.8





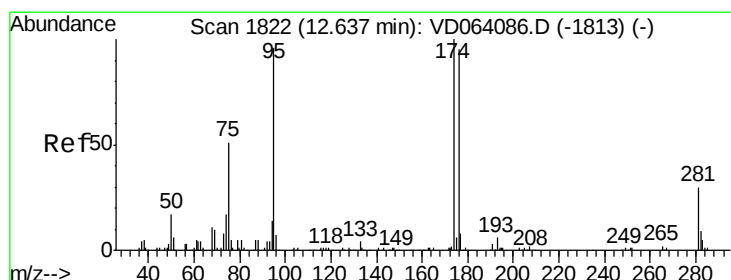
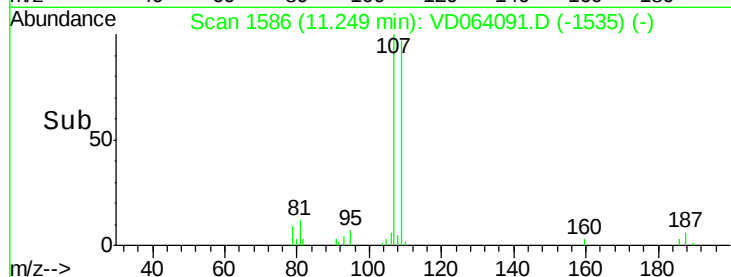
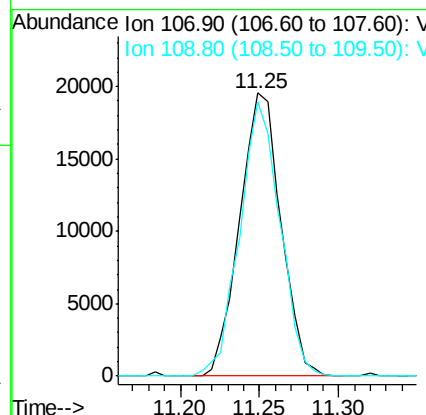
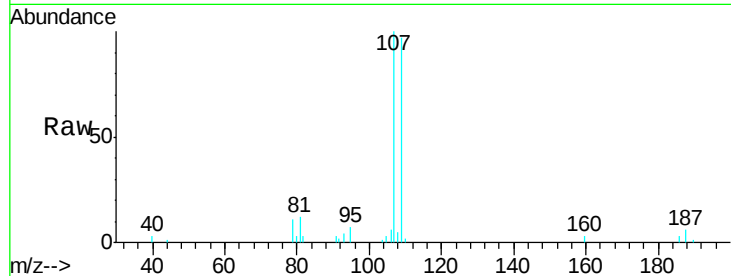
#61
 1,2-Dibromoethane
 Concen: 19.693 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD064091.D
 Acq: 29 Oct 2019 16:21

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1029SBS01

Tgt Ion: 107 Resp: 35431
 Ion Ratio Lower Upper
 107 100
 109 94.5 73.0 109.4

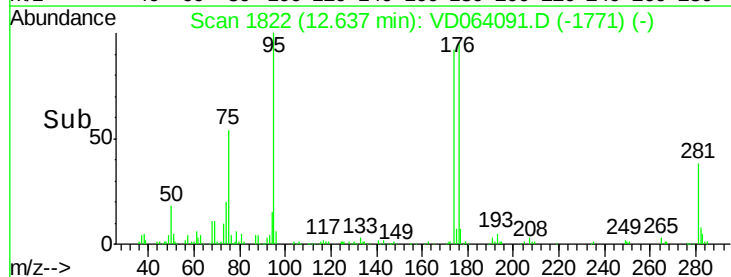
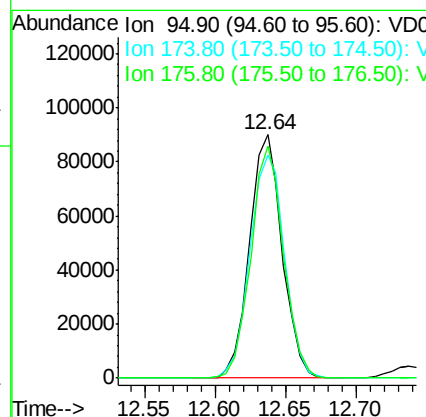
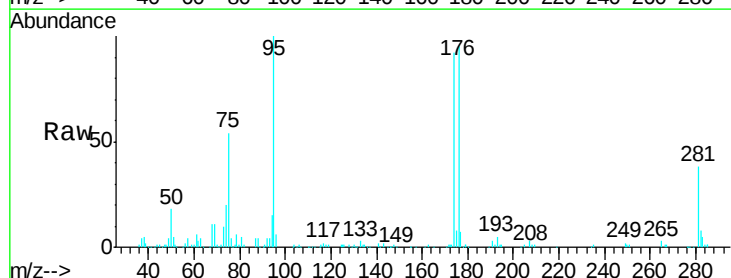
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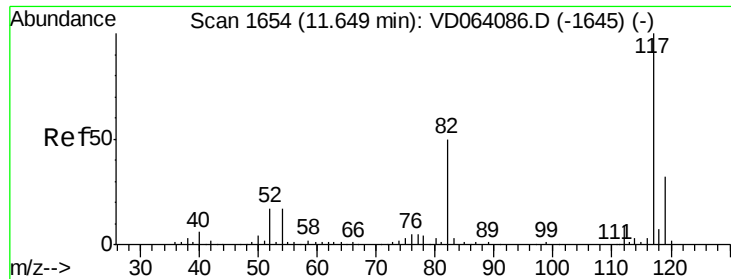
MMDadoda
 10/30/2019 10:58:36 AM



#62
 4-Bromofluorobenzene
 Concen: 50.267 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD064091.D
 Acq: 29 Oct 2019 16:21

Tgt Ion: 95 Resp: 145866
 Ion Ratio Lower Upper
 95 100
 174 97.6 0.0 201.6
 176 95.2 0.0 192.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.65 min Scan# 1654

Delta R.T. 0.00 min

Lab File: VD064091.D

Acq: 29 Oct 2019 16:21

Instrument :

MSVOA_D

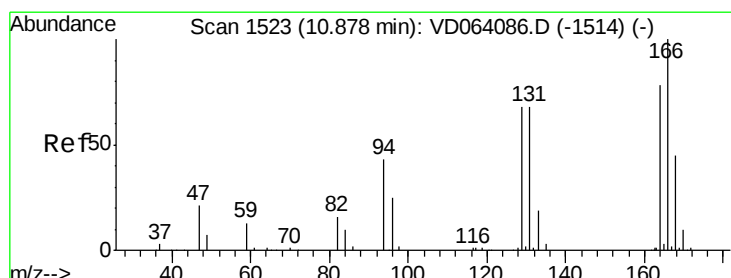
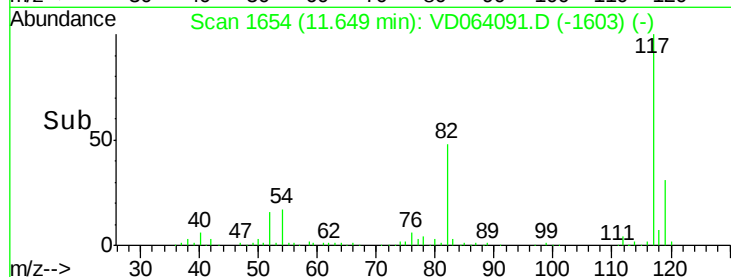
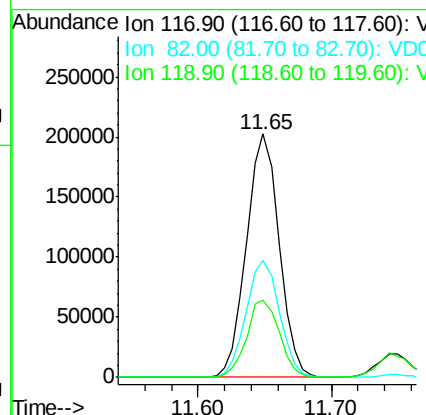
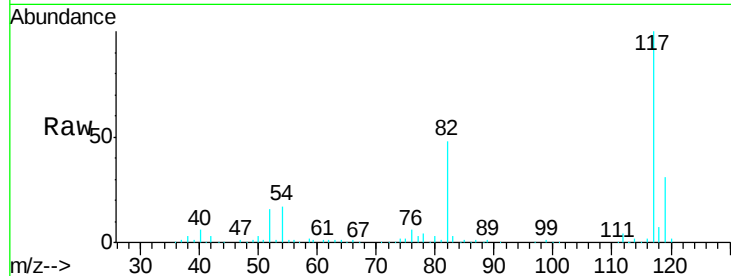
ClientSampleId :

VD1029SBS01

Tgt Ion:	117	Resp:	342684
Ion Ratio	Lower	Upper	
117	100		
82	48.2	40.2	60.4
119	31.5	26.0	39.0

Manual Integrations
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#64

Tetrachloroethene

Concen: 21.232 ug/l

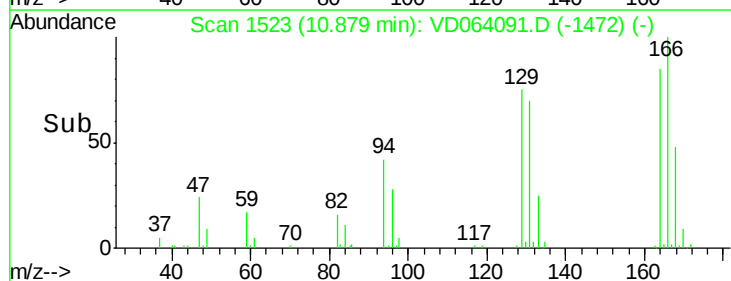
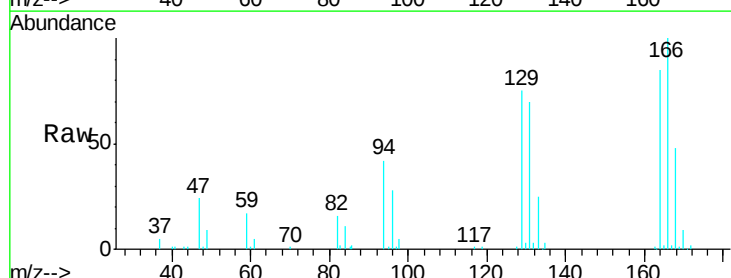
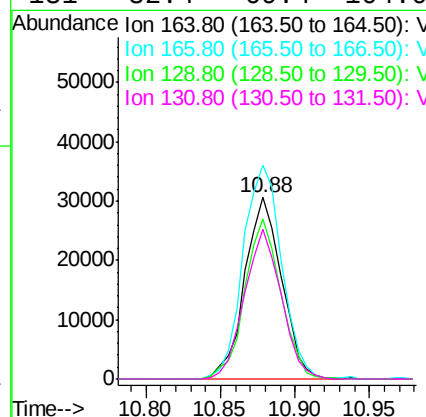
RT: 10.88 min Scan# 1523

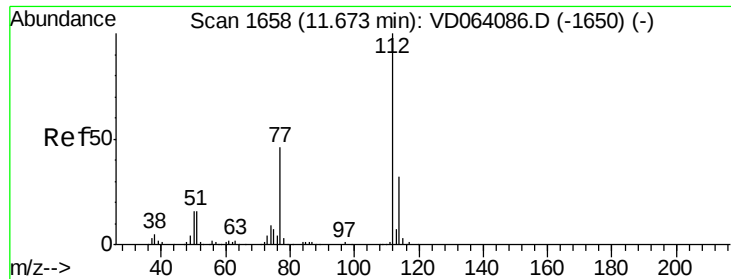
Delta R.T. 0.00 min

Lab File: VD064091.D

Acq: 29 Oct 2019 16:21

Tgt Ion:	164	Resp:	52270
Ion Ratio	Lower	Upper	
164	100		
166	117.8	102.7	154.1
129	88.4	69.8	104.6
131	82.4	69.4	104.0





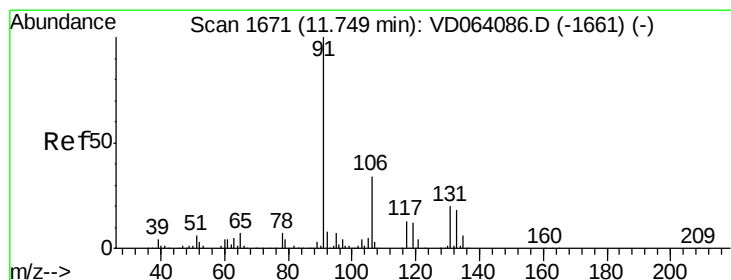
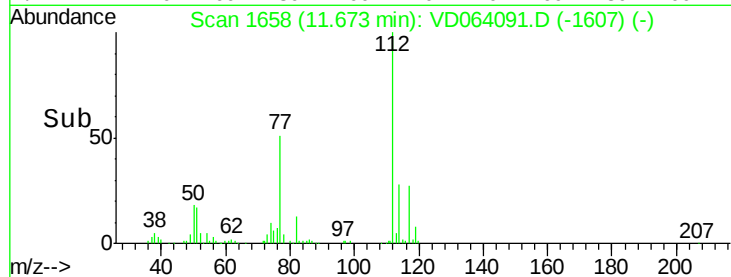
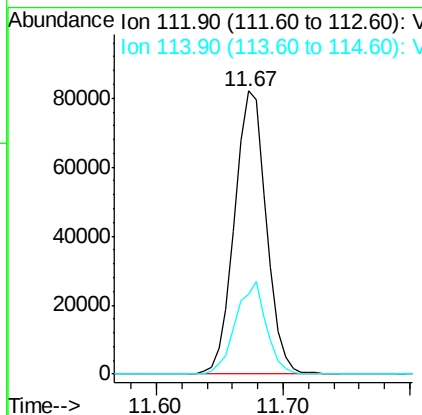
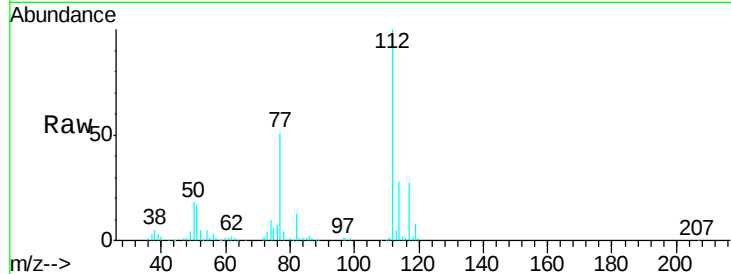
#65
Chlorobenzene
Concen: 20.105 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD064091.D
Acq: 29 Oct 2019 16:21

Instrument :
MSVOA_D
ClientSampleId :
VD1029SBS01

Tgt Ion:112 Resp: 142358
Ion Ratio Lower Upper
112 100
114 28.2 25.4 38.0

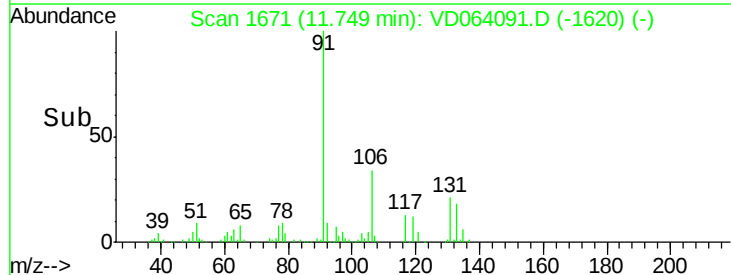
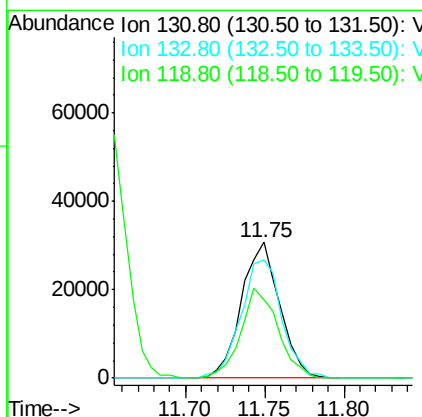
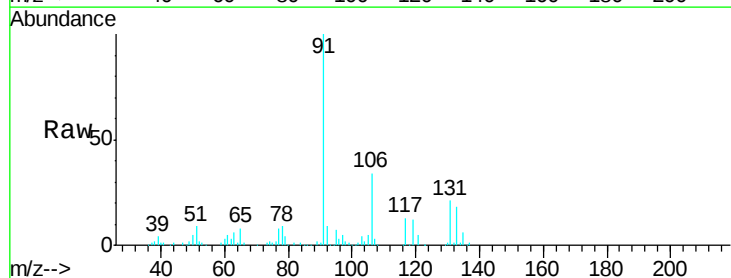
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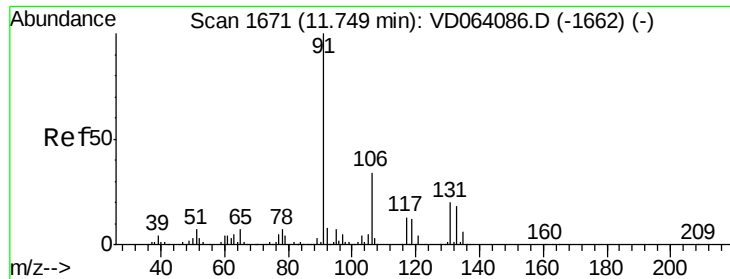
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 19.477 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD064091.D
Acq: 29 Oct 2019 16:21

Tgt Ion:131 Resp: 51602
Ion Ratio Lower Upper
131 100
133 92.5 47.6 142.9
119 64.7 31.4 94.3





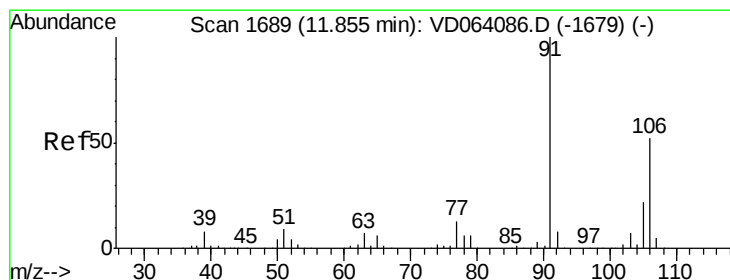
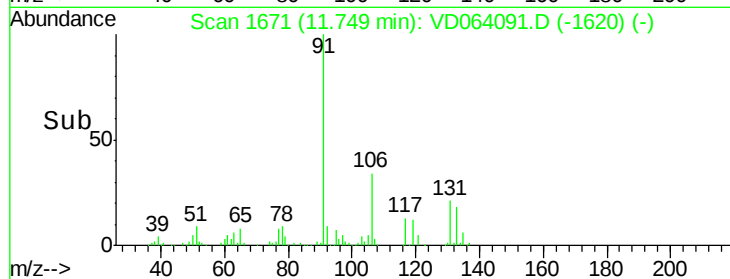
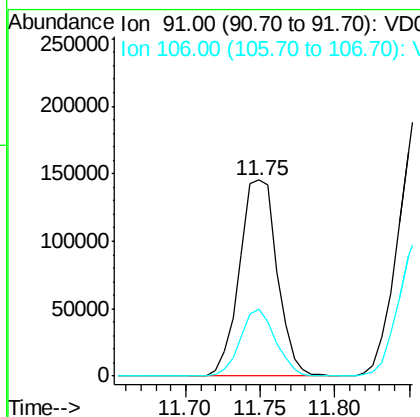
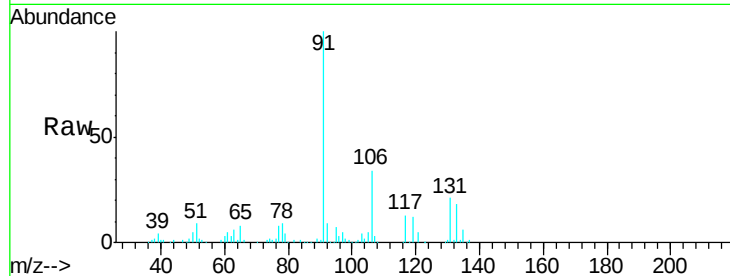
#67
Ethyl Benzene
Concen: 20.248 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD064091.D
Acq: 29 Oct 2019 16:21

Instrument :
MSVOA_D
ClientSampleId :
VD1029SBS01

Tgt Ion: 91 Resp: 255003
Ion Ratio Lower Upper
91 100
106 34.2 27.0 40.6

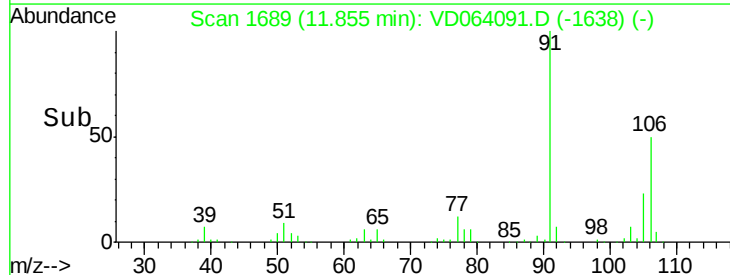
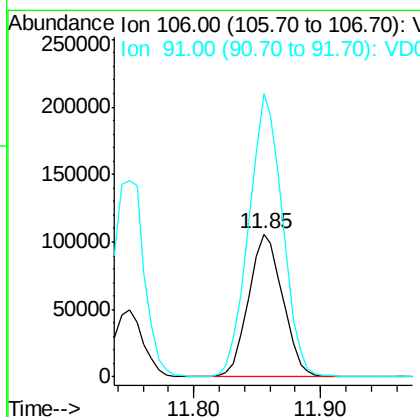
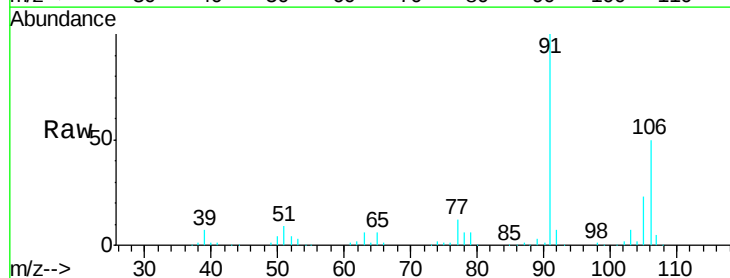
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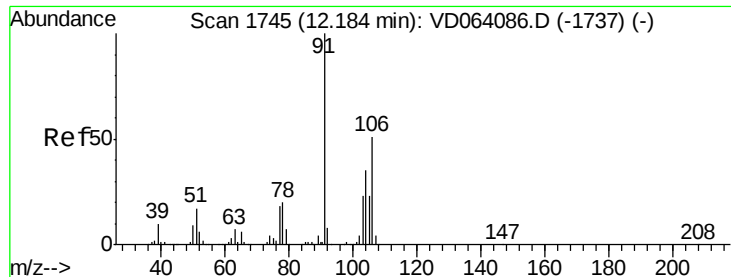
MMDadoda
10/30/2019 10:58:36 AM



#68
m/p-Xylenes
Concen: 39.144 ug/l
RT: 11.85 min Scan# 1689
Delta R.T. 0.00 min
Lab File: VD064091.D
Acq: 29 Oct 2019 16:21

Tgt Ion: 106 Resp: 198290
Ion Ratio Lower Upper
106 100
91 196.6 154.0 231.0





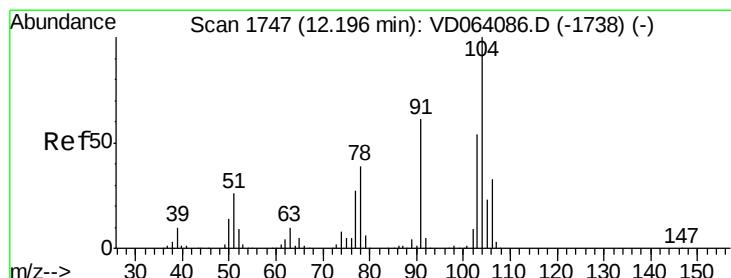
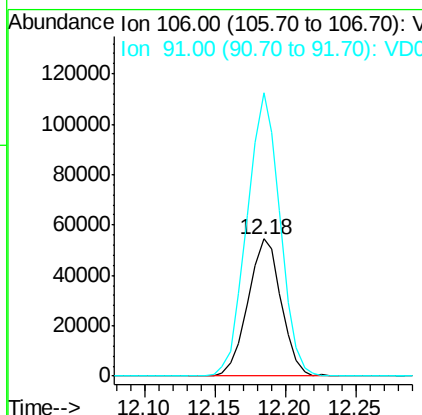
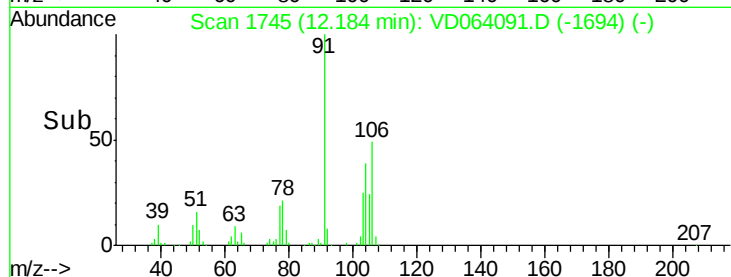
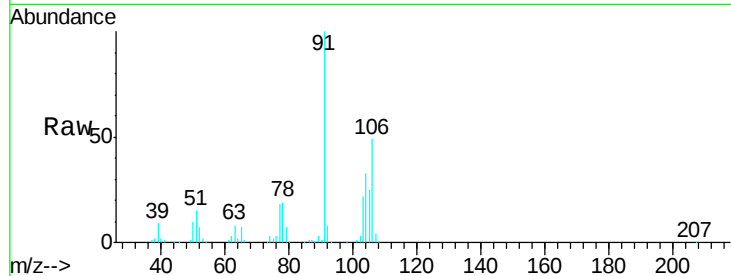
#69
o-Xylene
Concen: 19.515 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD064091.D
Acq: 29 Oct 2019 16:21

Instrument :
MSVOA_D
ClientSampleId :
VD1029SBS01

Tgt Ion:106 Resp: 90217
Ion Ratio Lower Upper
106 100
91 204.9 100.6 301.9

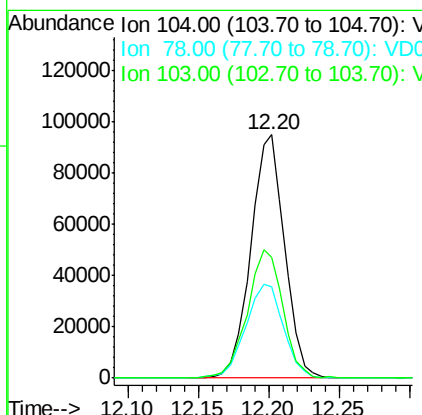
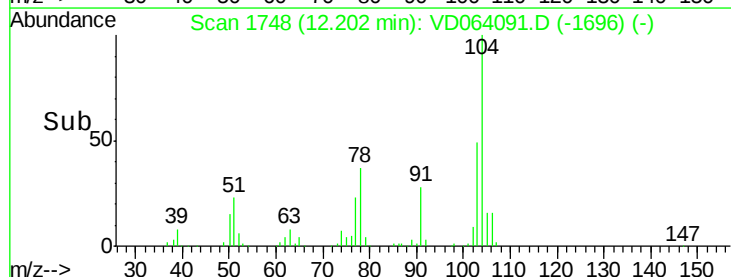
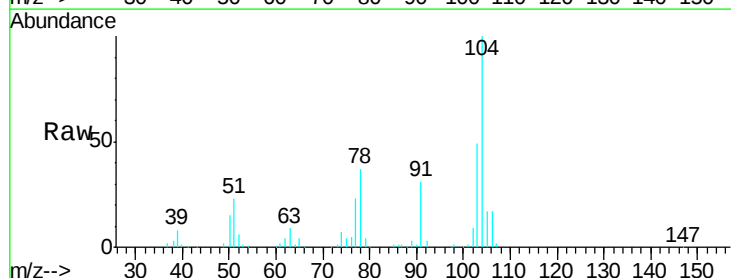
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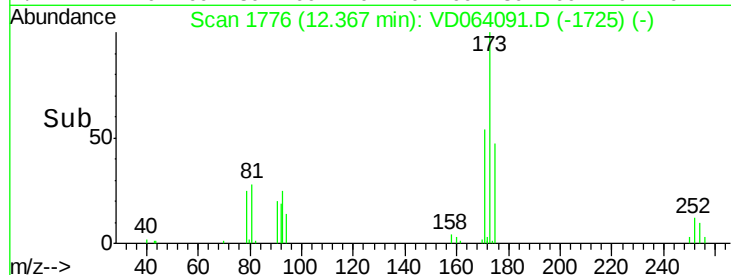
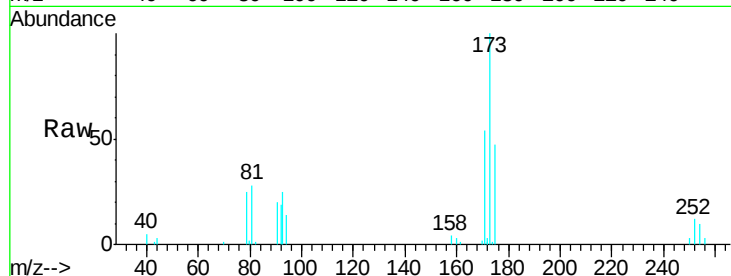
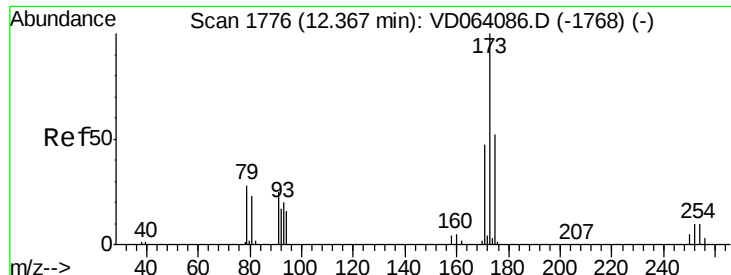
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#70
Styrene
Concen: 19.990 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. 0.01 min
Lab File: VD064091.D
Acq: 29 Oct 2019 16:21

Tgt Ion:104 Resp: 159386
Ion Ratio Lower Upper
104 100
78 43.4 34.6 51.8
103 55.4 44.2 66.2





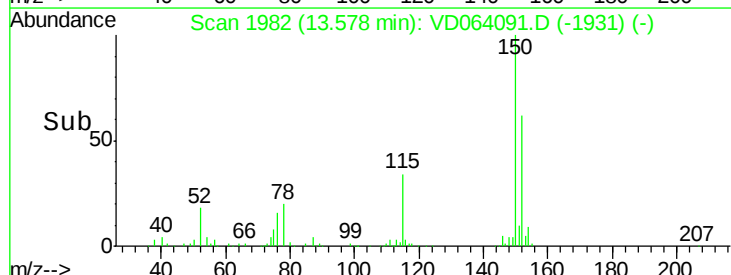
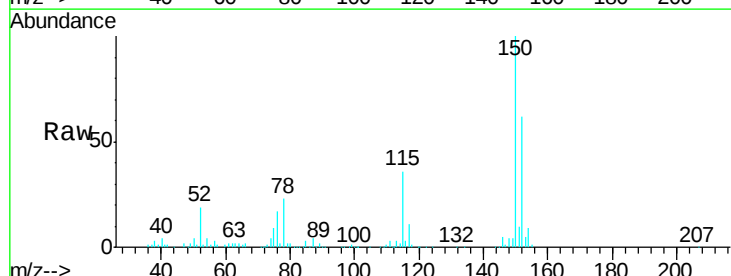
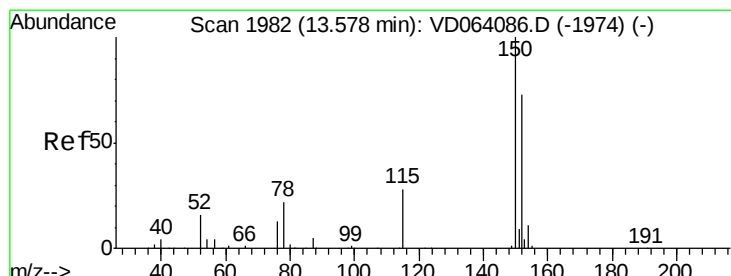
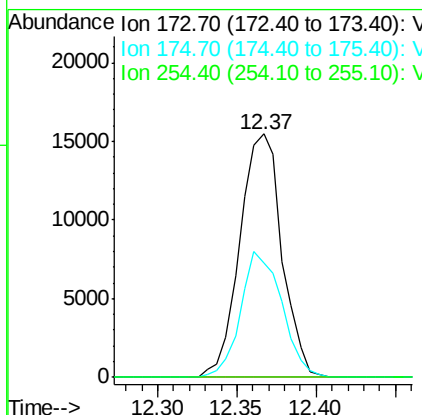
#71
Bromoform
Concen: 20.084 ug/l
RT: 12.37 min Scan# 1776
Delta R.T. 0.00 min
Lab File: VD064091.D
Acq: 29 Oct 2019 16:21

Tgt Ion	Ratio	Lower	Upper
173	100		
175	50.9	24.3	72.9
254	0.0	0.0	0.0

Instrument :
MSVOA_D
ClientSampleId :
VD1029SBS01

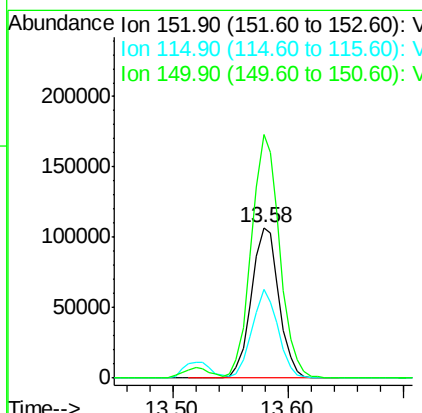
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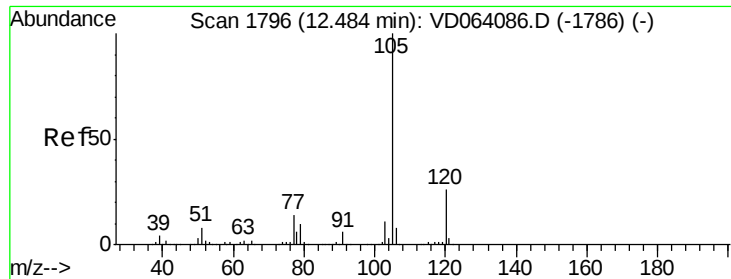
MMDadoda
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. 0.00 min
Lab File: VD064091.D
Acq: 29 Oct 2019 16:21

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.5	26.2	78.6
150	166.2	0.0	338.8





#73

Isopropylbenzene

Concen: 20.398 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD064091.D

Acq: 29 Oct 2019 16:21

Instrument :

MSVOA_D

ClientSampleId :

VD1029SBS01

Tgt Ion: 105 Resp: 251747

Ion Ratio Lower Upper

105 100

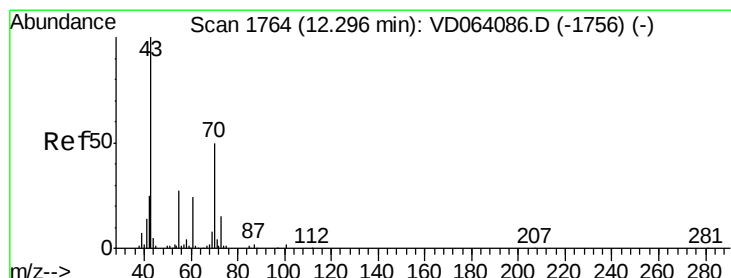
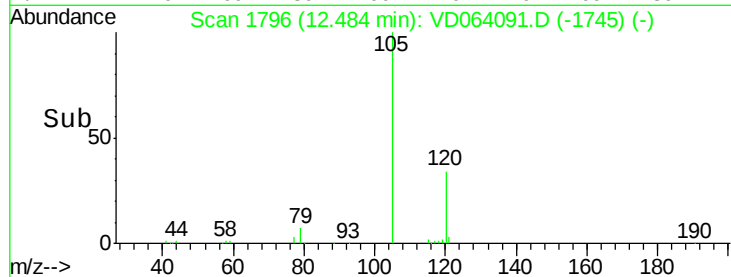
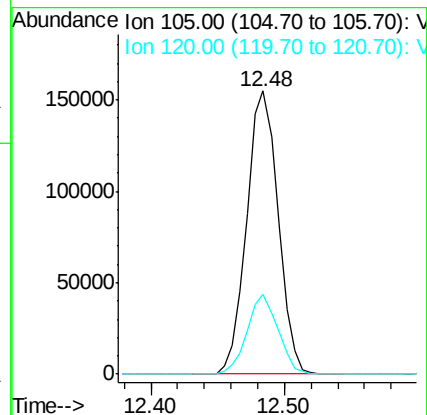
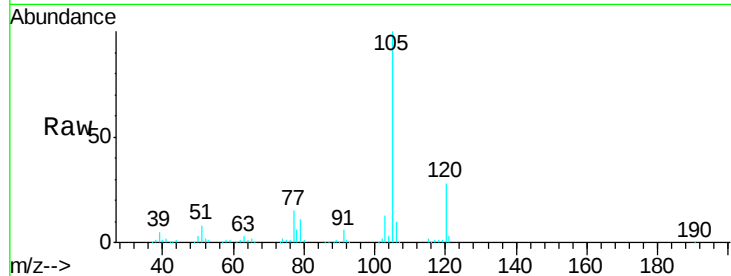
120 27.5 13.3 39.9

Manual Integrations

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#74

N-ethyl acetate

Concen: 21.177 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. -0.01 min

Lab File: VD064091.D

Acq: 29 Oct 2019 16:21

Tgt Ion: 43 Resp: 43420

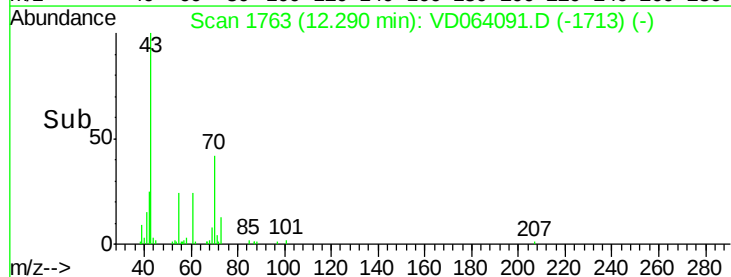
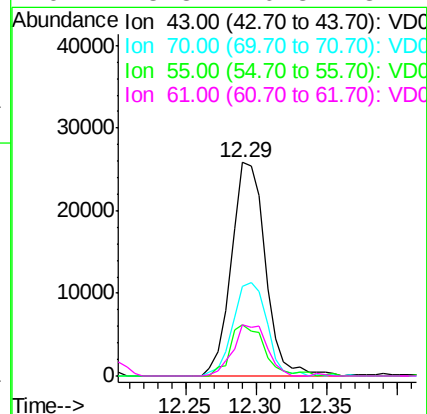
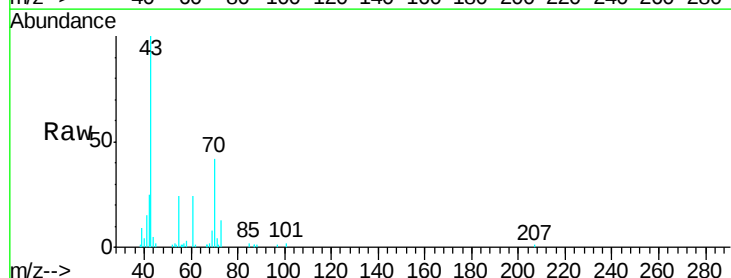
Ion Ratio Lower Upper

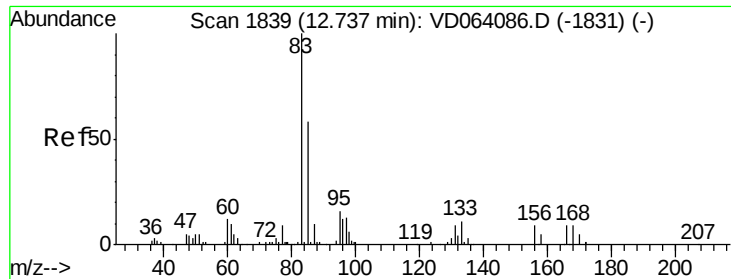
43 100

70 43.7 38.6 58.0

55 24.8 20.4 30.6

61 23.8 20.8 31.2





#75

1,1,2,2-Tetrachloroethane

Concen: 20.384 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD064091.D

Acq: 29 Oct 2019 16:21

Instrument :

MSVOA_D

ClientSampleId :

VD1029SBS01

Tgt Ion: 83 Resp: 39652

Ion Ratio Lower Upper

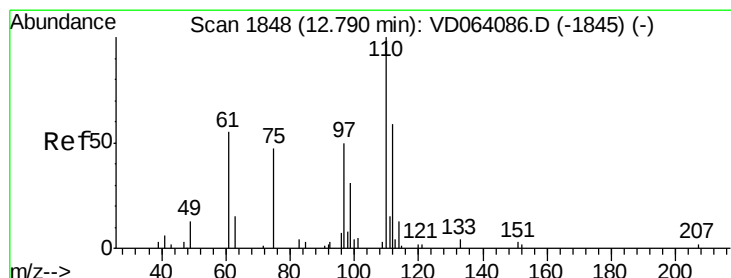
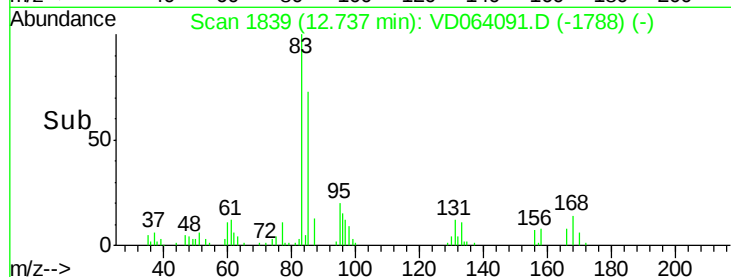
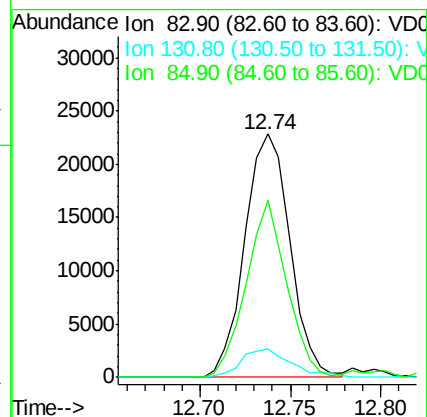
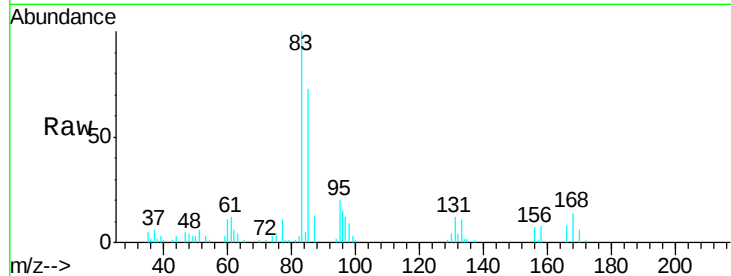
83 100

131 13.1 5.7 17.0

85 64.9 32.1 96.5

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#76

1,2,3-Trichloropropane

Concen: 20.056 ug/l m

RT: 12.79 min Scan# 1848

Delta R.T. 0.00 min

Lab File: VD064091.D

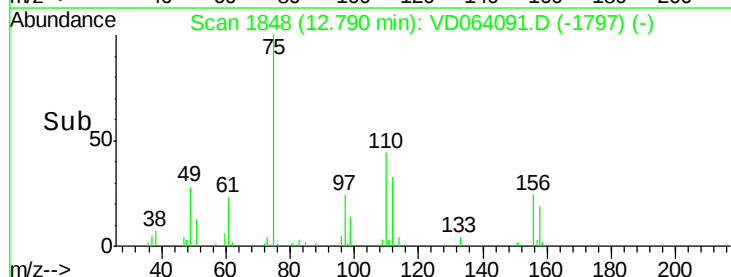
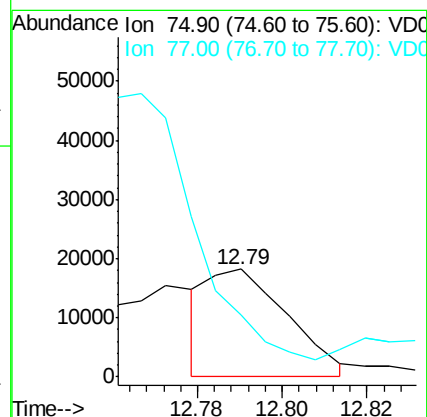
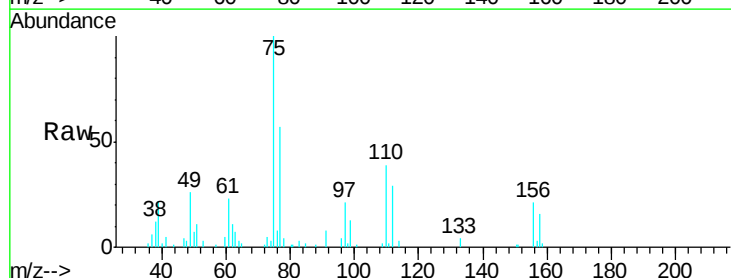
Acq: 29 Oct 2019 16:21

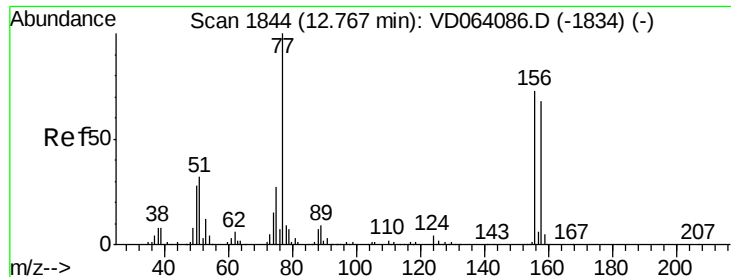
Tgt Ion: 75 Resp: 23934

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 20.643 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD064091.D

Acq: 29 Oct 2019 16:21

Instrument :

MSVOA_D

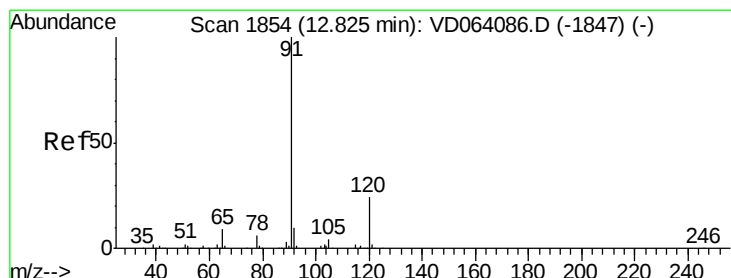
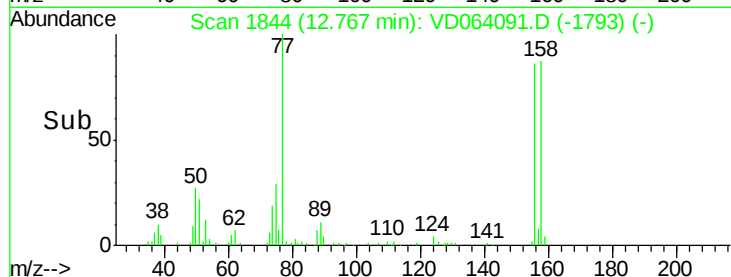
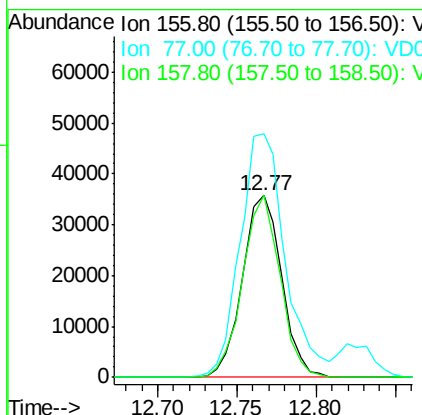
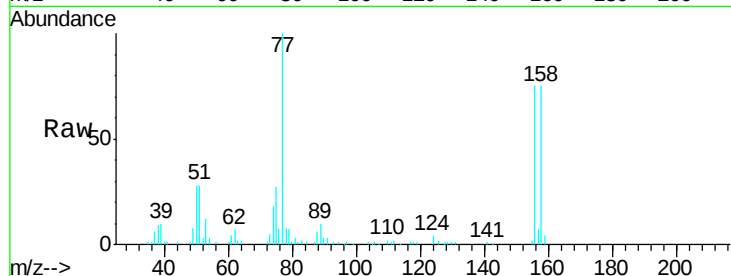
ClientSampleId :

VD1029SBS01

Tgt Ion: 156 Resp: 61513
 Ion Ratio Lower Upper
 156 100
 77 154.2 76.0 228.0
 158 95.5 47.6 142.8

Manual Integrations
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#78

n-propylbenzene

Concen: 20.825 ug/l

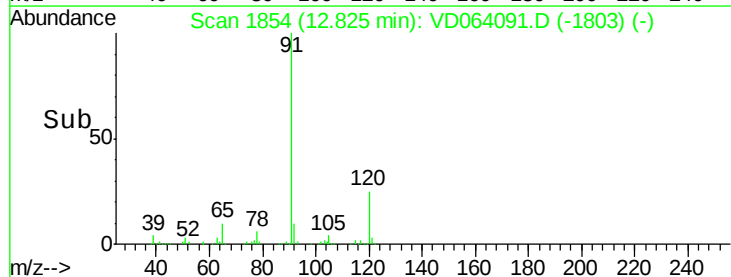
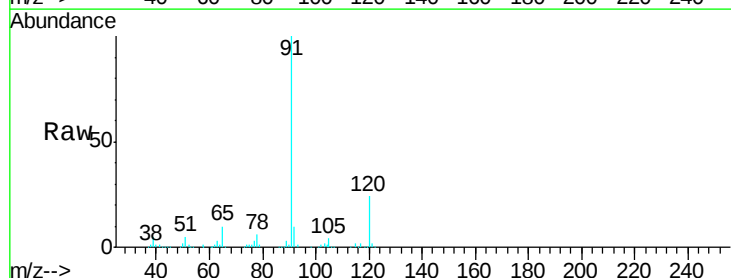
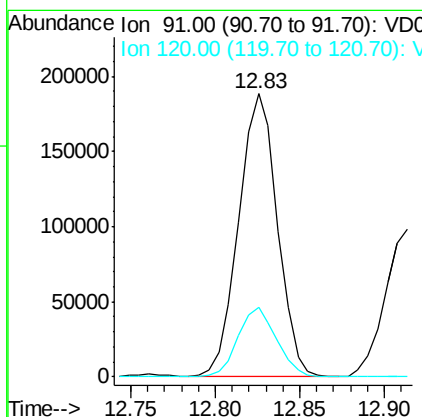
RT: 12.83 min Scan# 1854

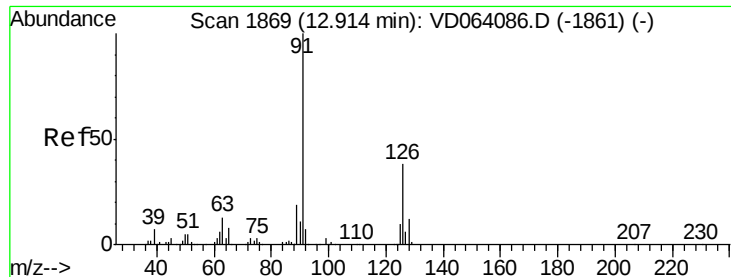
Delta R.T. 0.00 min

Lab File: VD064091.D

Acq: 29 Oct 2019 16:21

Tgt Ion: 91 Resp: 301189
 Ion Ratio Lower Upper
 91 100
 120 24.3 12.1 36.3





#79

2-Chlorotoluene

Concen: 20.764 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.00 min

Lab File: VD064091.D

Acq: 29 Oct 2019 16:21

Instrument :

MSVOA_D

ClientSampleId :

VD1029SBS01

Tgt Ion: 91 Resp: 160976

Ion Ratio Lower Upper

91 100

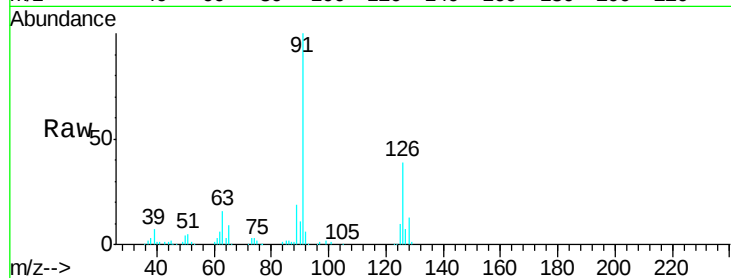
126 38.4 19.1 57.1

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): V

Ion 125.90 (125.60 to 126.60): V

12.91

100000

80000

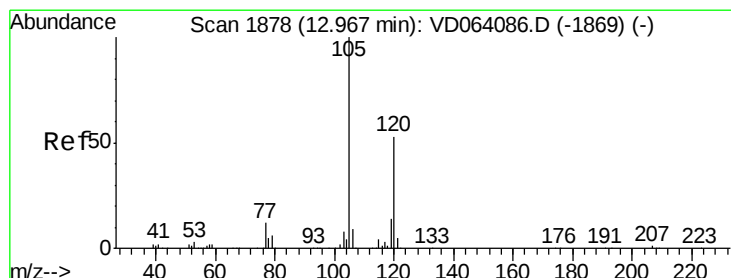
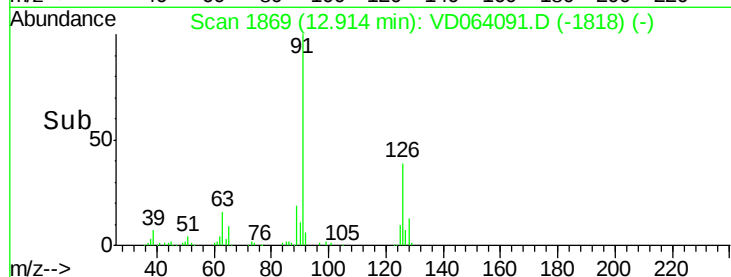
60000

40000

20000

0

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 20.759 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.00 min

Lab File: VD064091.D

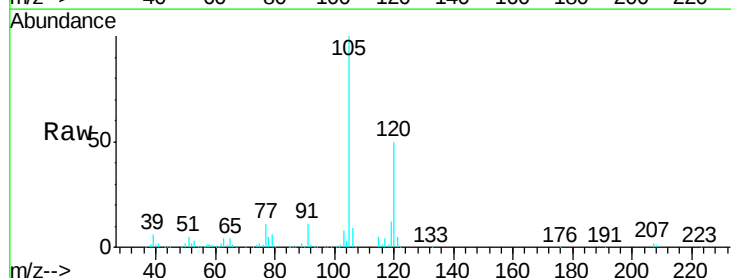
Acq: 29 Oct 2019 16:21

Tgt Ion: 105 Resp: 214416

Ion Ratio Lower Upper

105 100

120 50.5 25.8 77.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.97

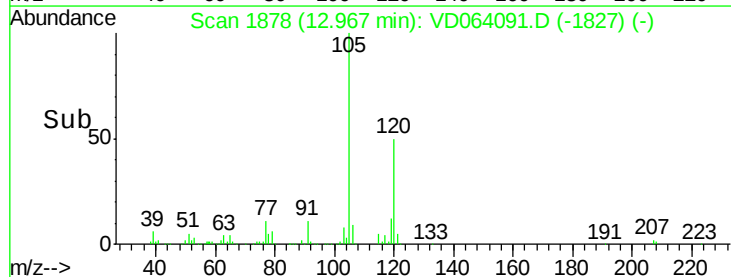
150000

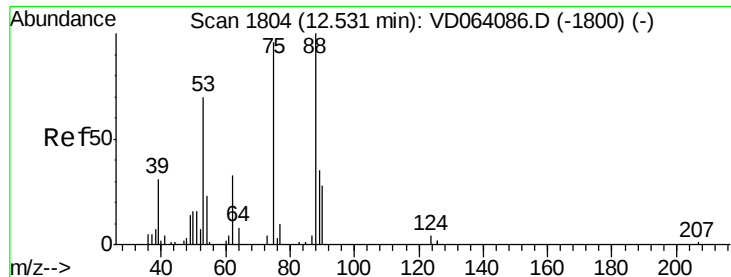
100000

50000

0

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 20.726 ug/l

RT: 12.53 min Scan# 1803

Delta R.T. -0.01 min

Lab File: VD064091.D

Acq: 29 Oct 2019 16:21

Instrument :

MSVOA_D

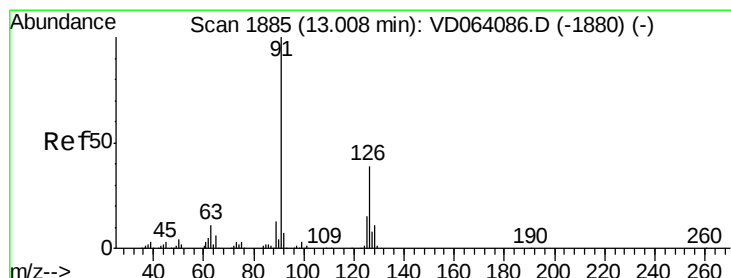
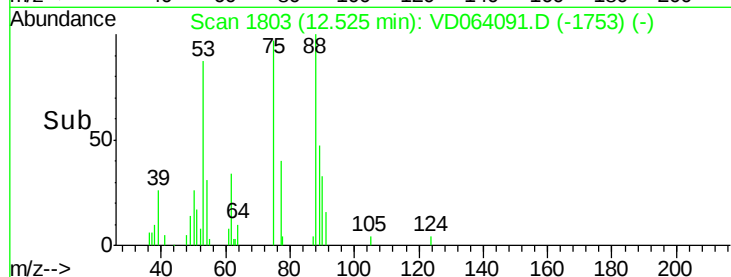
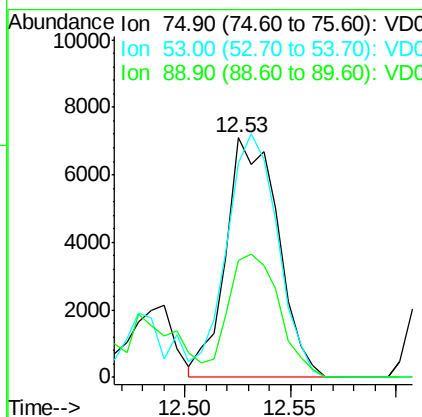
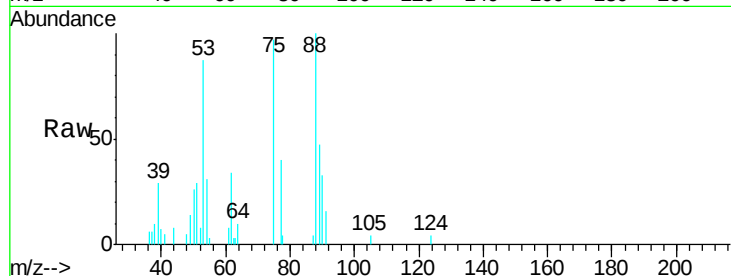
ClientSampleId :

VD1029SBS01

Tgt Ion:	75	Resp:	12111
Ion	Ratio	Lower	Upper
75	100		
53	99.3	68.6	103.0
89	50.2	36.9	55.3

Manual Integrations
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#82

4-Chlorotoluene

Concen: 20.709 ug/l

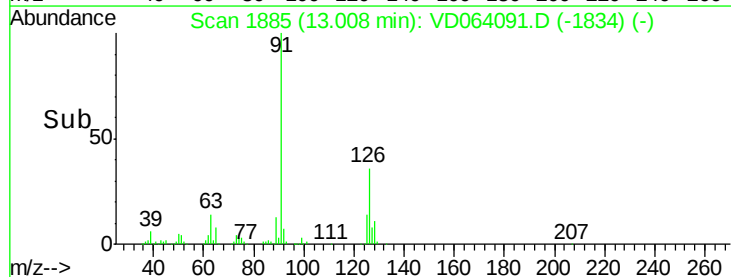
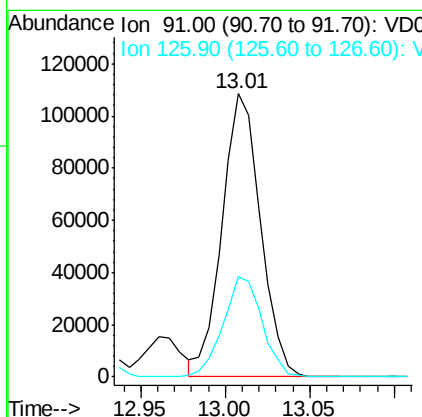
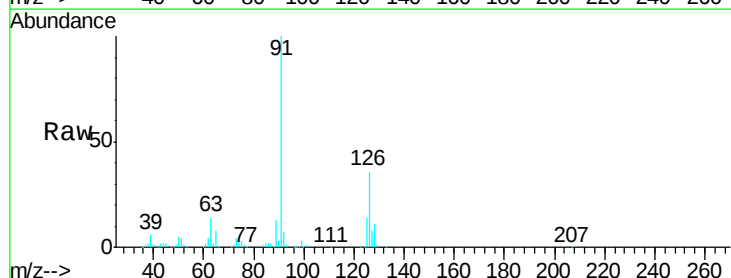
RT: 13.01 min Scan# 1885

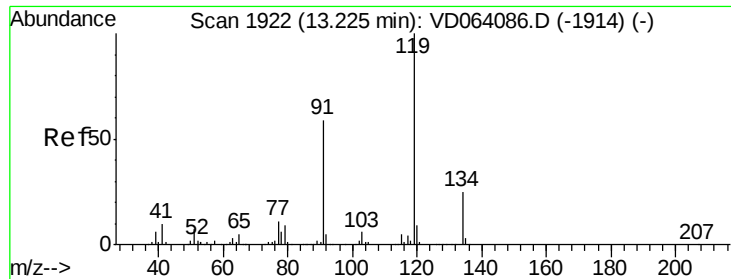
Delta R.T. 0.00 min

Lab File: VD064091.D

Acq: 29 Oct 2019 16:21

Tgt Ion:	91	Resp:	171553
Ion	Ratio	Lower	Upper
91	100		
126	36.0	18.9	56.5





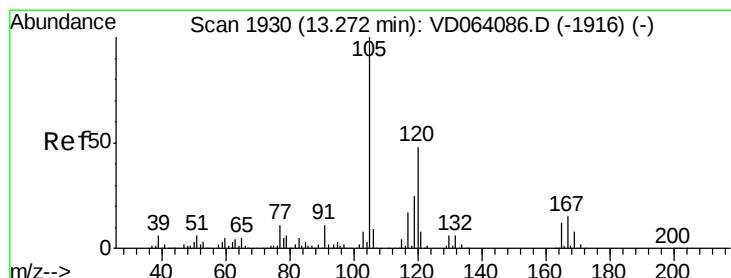
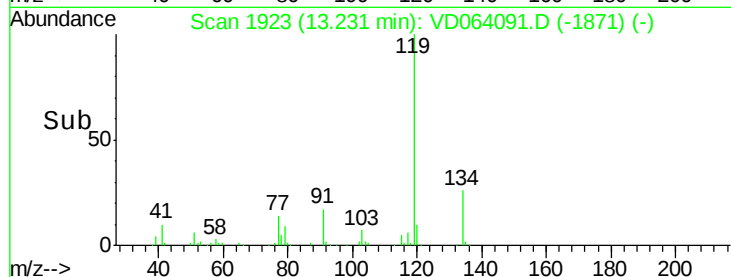
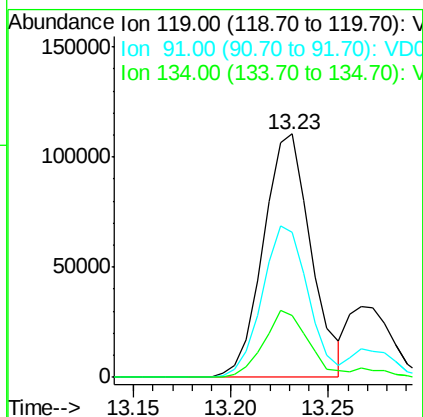
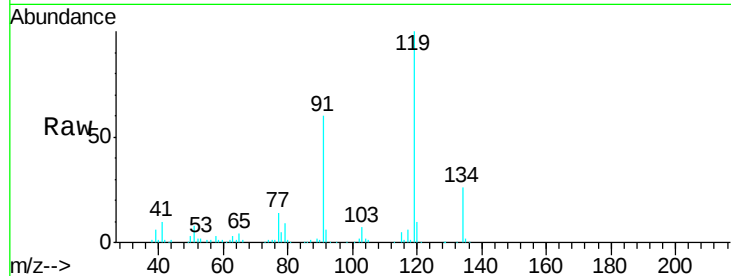
#83
 tert-Butylbenzene
 Concen: 20.146 ug/l
 RT: 13.23 min Scan# 1923
 Delta R.T. 0.01 min
 Lab File: VD064091.D
 Acq: 29 Oct 2019 16:21

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1029SBS01

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	186894		
91	60.1	28.3	85.0	
134	26.0	12.9	38.6	

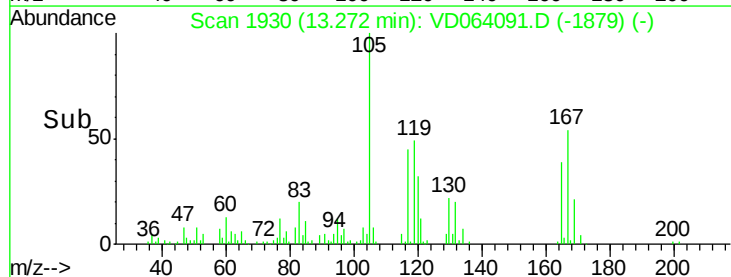
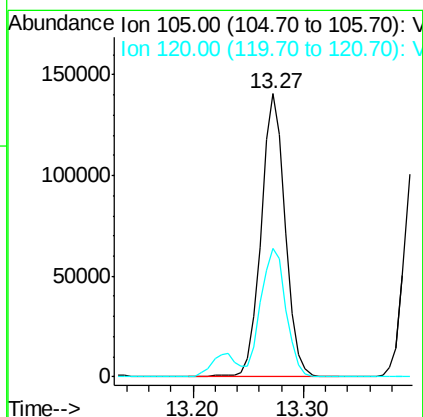
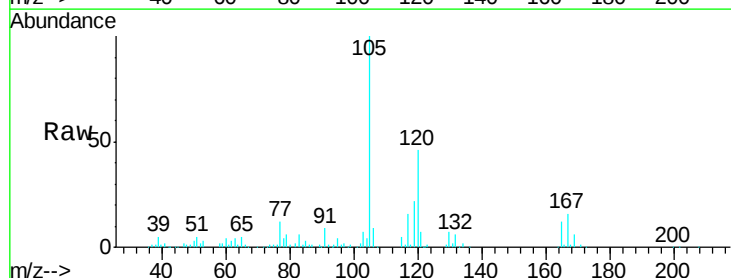
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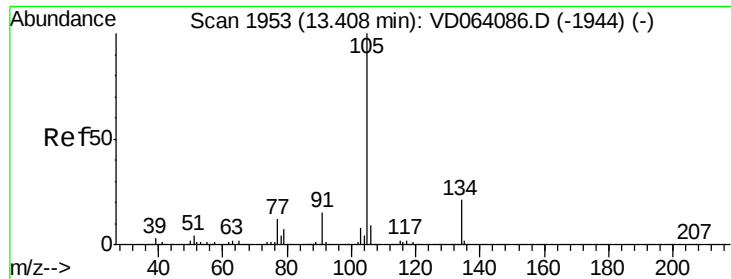
MMDadoda
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#84
 1,2,4-Trimethylbenzene
 Concen: 20.725 ug/l
 RT: 13.27 min Scan# 1930
 Delta R.T. 0.00 min
 Lab File: VD064091.D
 Acq: 29 Oct 2019 16:21

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	215047		
120	48.0	24.1	72.4	





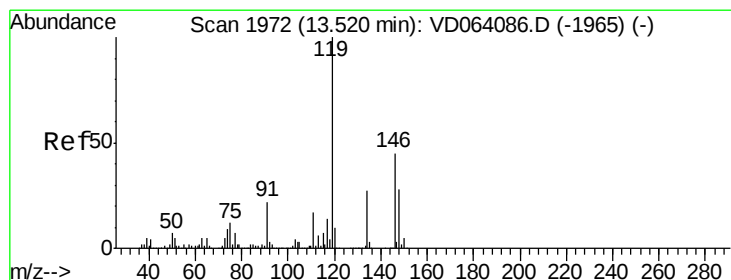
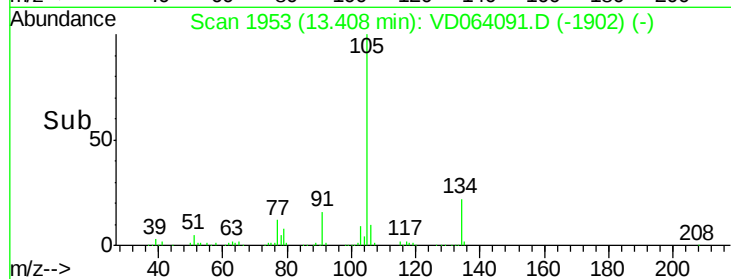
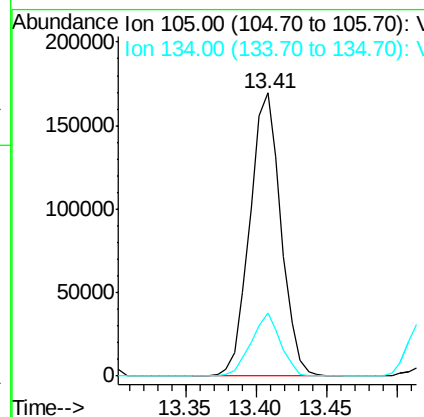
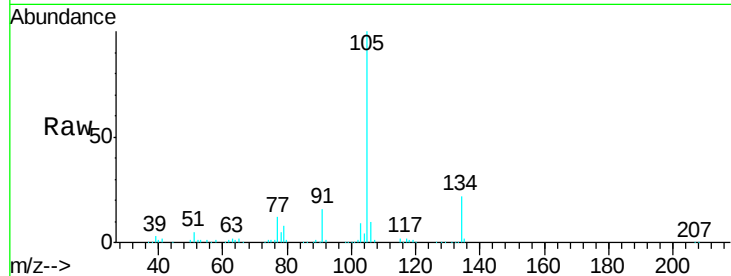
#85
 sec-Butylbenzene
 Concen: 20.598 ug/l
 RT: 13.41 min Scan# 1953
 Delta R.T. 0.00 min
 Lab File: VD064091.D
 Acq: 29 Oct 2019 16:21

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1029SBS01

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	262419		
134	21.2	10.4	31.2	

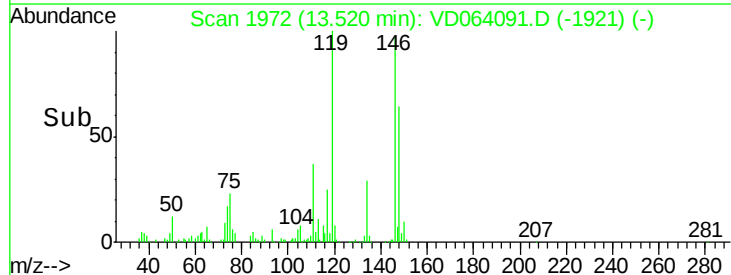
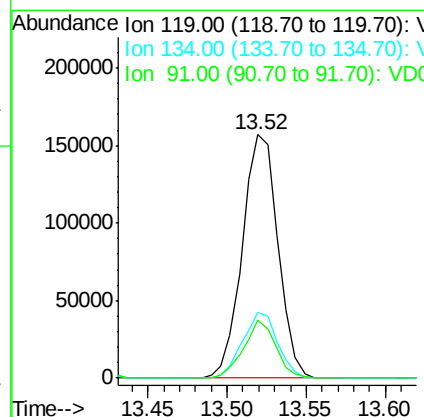
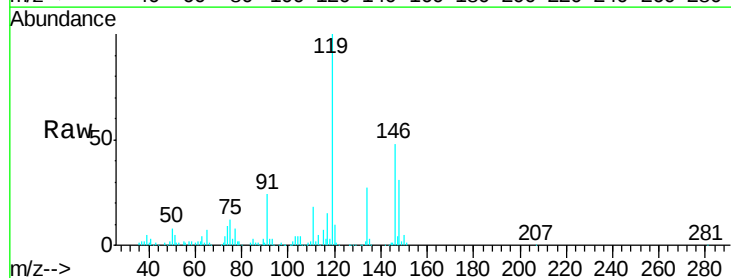
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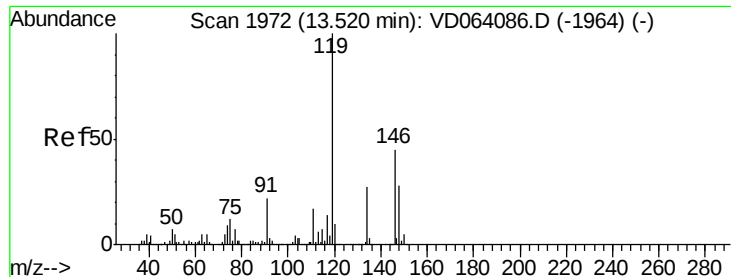
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#86
 p-Isopropyltoluene
 Concen: 20.444 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. 0.00 min
 Lab File: VD064091.D
 Acq: 29 Oct 2019 16:21

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	244723		
134	26.7	13.6	40.8	
91	21.5	10.9	32.6	





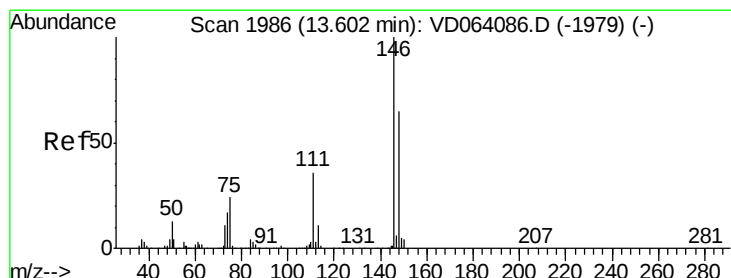
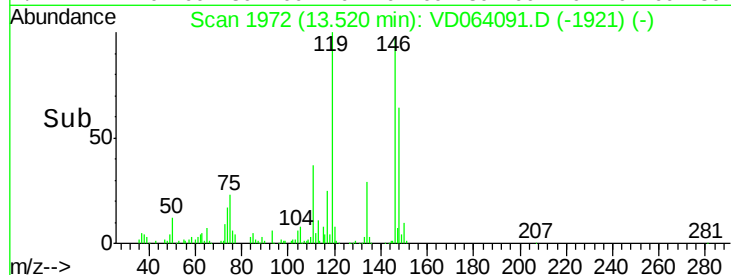
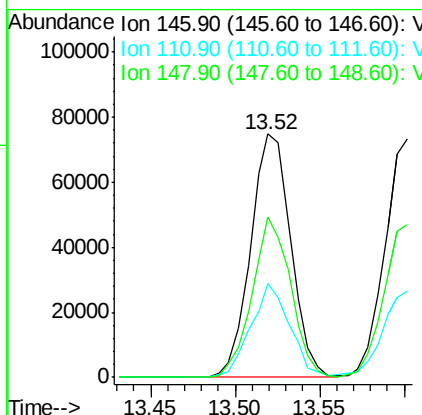
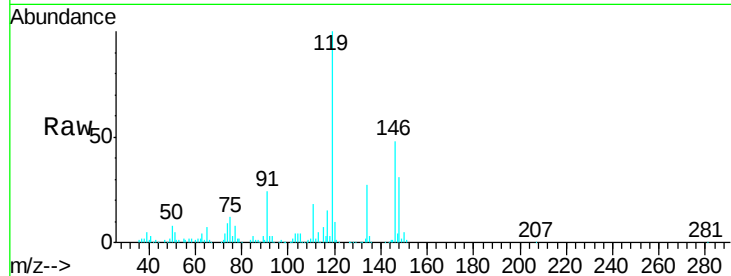
#87
 1,3-Dichlorobenzene
 Concen: 20.727 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. 0.00 min
 Lab File: VD064091.D
 Acq: 29 Oct 2019 16:21

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1029SBS01

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	123771		
111	37.4	18.9	56.9	
148	63.1	32.1	96.3	

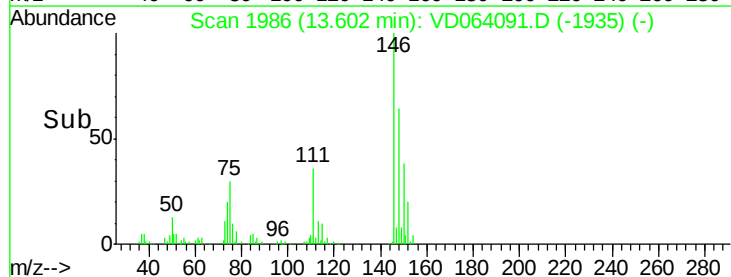
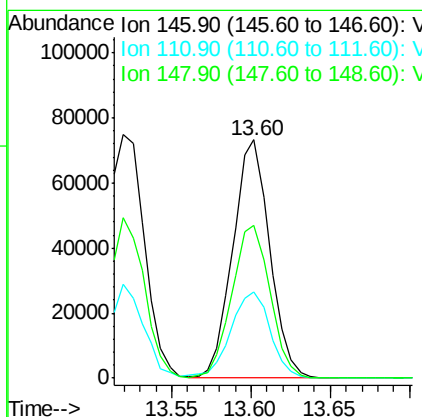
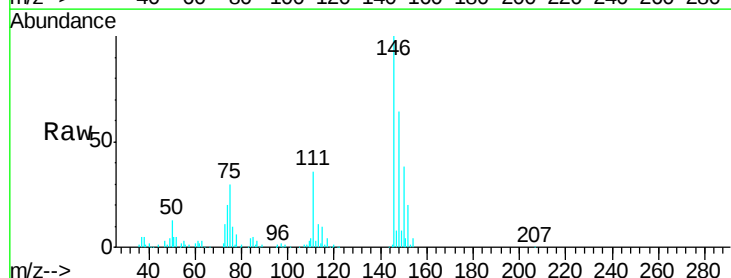
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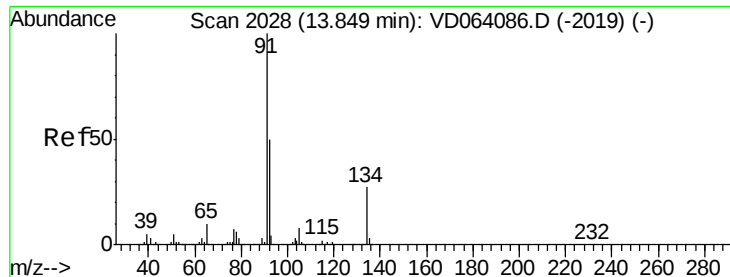
MMDadoda
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#88
 1,4-Dichlorobenzene
 Concen: 20.130 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VD064091.D
 Acq: 29 Oct 2019 16:21

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	118498		
111	39.0	18.4	55.4	
148	66.2	32.4	97.0	





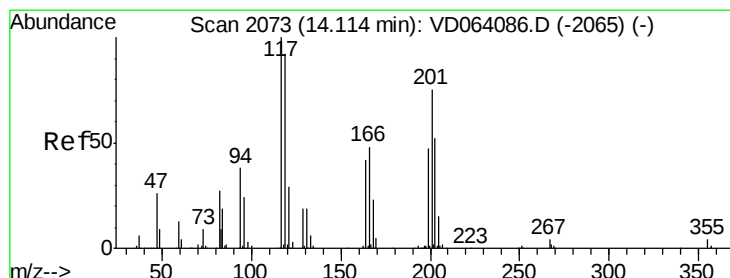
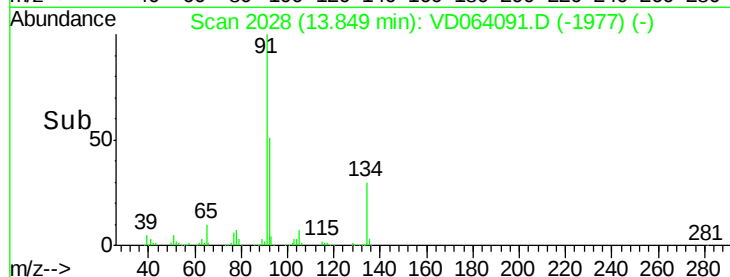
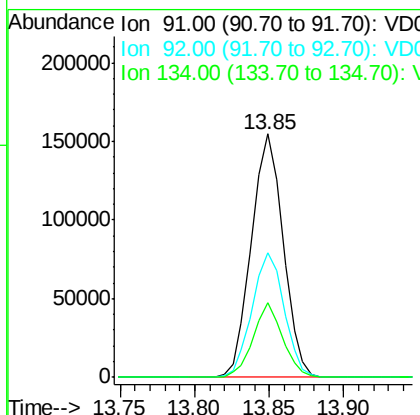
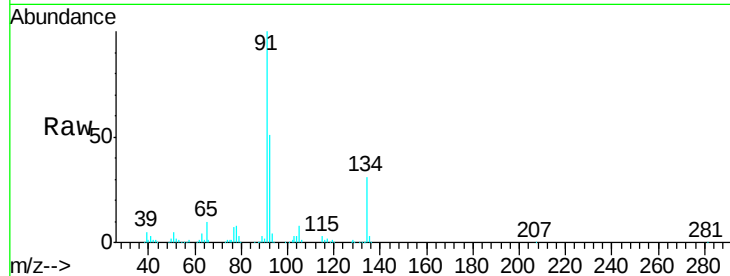
#89
n-Butylbenzene
Concen: 20.698 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.00 min
Lab File: VD064091.D
Acq: 29 Oct 2019 16:21

Instrument :
MSVOA_D
ClientSampleId :
VD1029SBS01

Tgt Ion	Ratio	Lower	Upper
91	100		
92	51.8	25.6	76.6
134	28.2	14.0	42.0

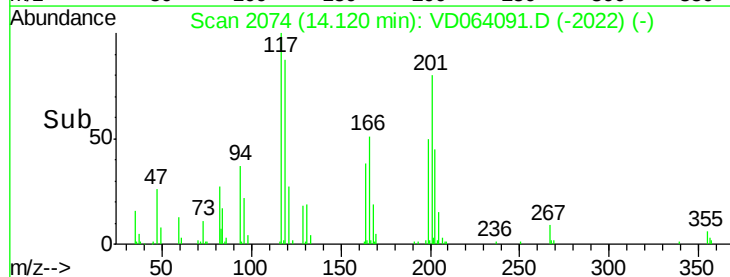
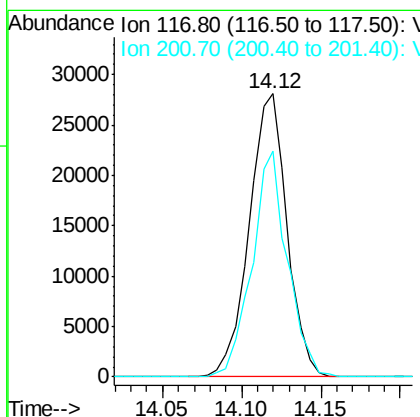
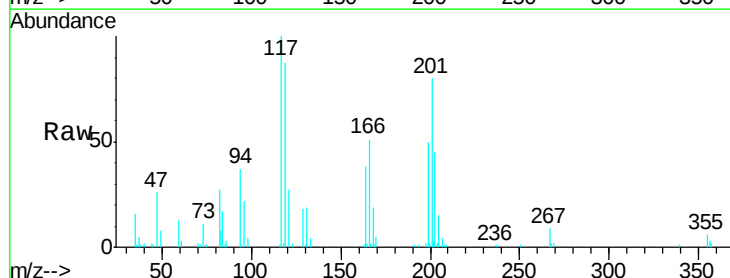
Manual Integrations
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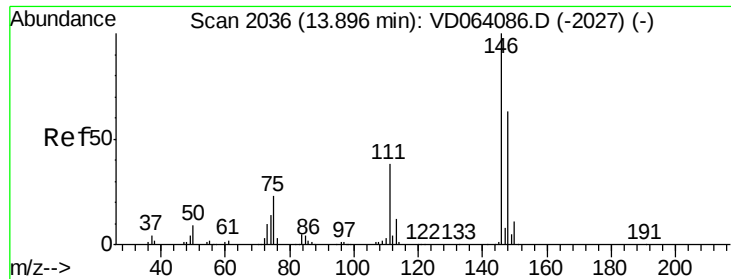
MMDadoda
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#90
Hexachloroethane
Concen: 20.745 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.01 min
Lab File: VD064091.D
Acq: 29 Oct 2019 16:21

Tgt Ion	Ratio	Lower	Upper
117	100		
201	74.9	38.4	115.2





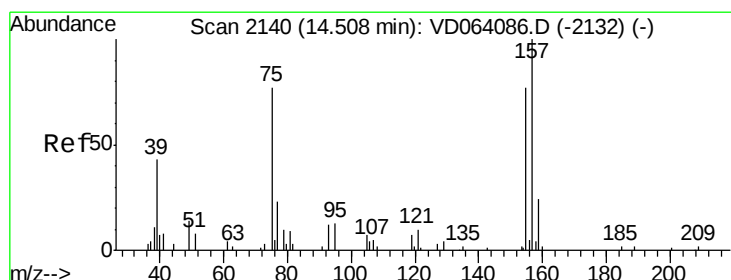
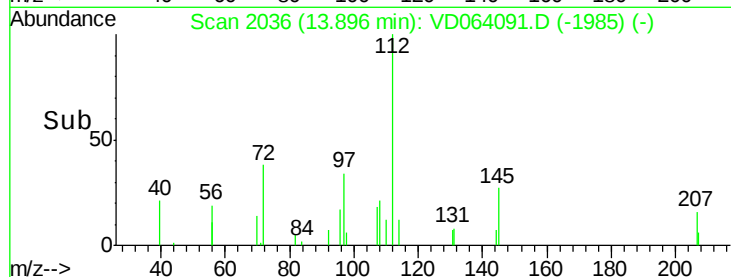
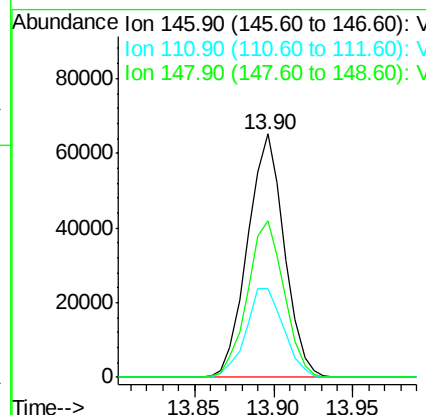
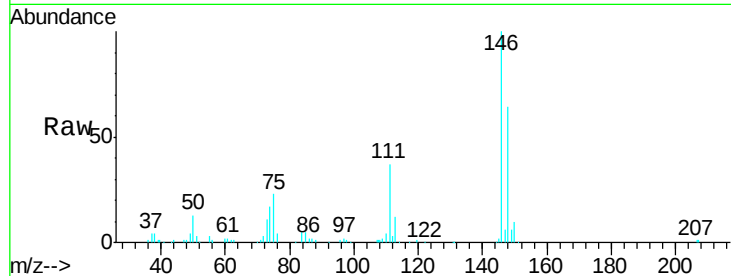
#91
 1,2-Dichlorobenzene
 Concen: 20.356 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. 0.00 min
 Lab File: VD064091.D
 Acq: 29 Oct 2019 16:21

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1029SBS01

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.7	19.1	57.1
148	64.3	32.1	96.5

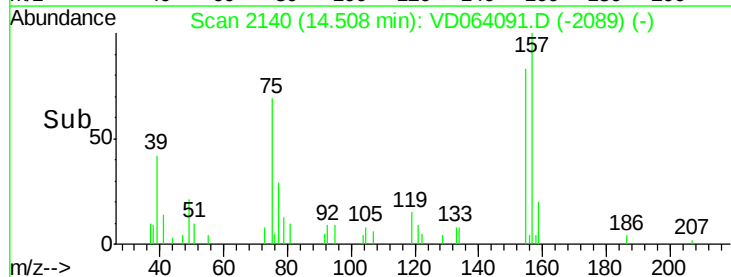
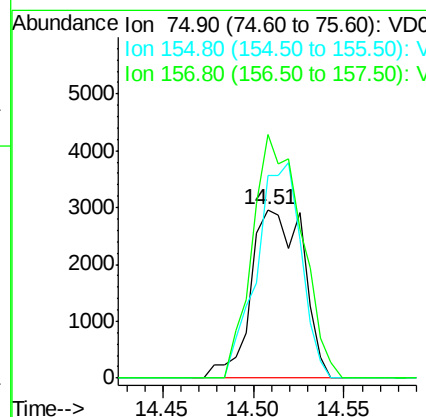
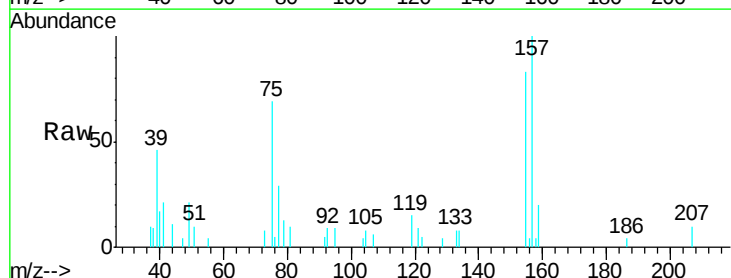
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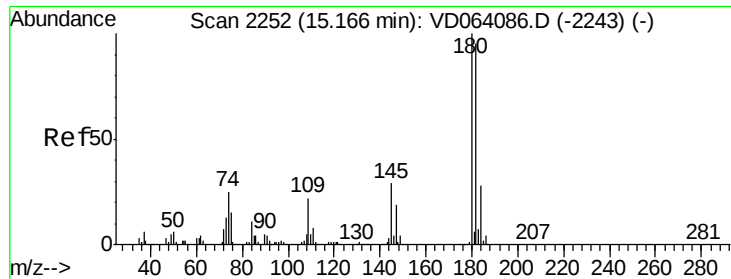
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.940 ug/l
 RT: 14.51 min Scan# 2140
 Delta R.T. 0.00 min
 Lab File: VD064091.D
 Acq: 29 Oct 2019 16:21

Tgt Ion	Ratio	Lower	Upper
75	100		
155	108.4	56.3	168.9
157	135.1	72.2	216.6





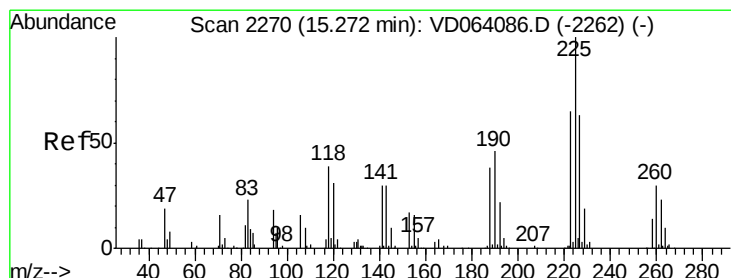
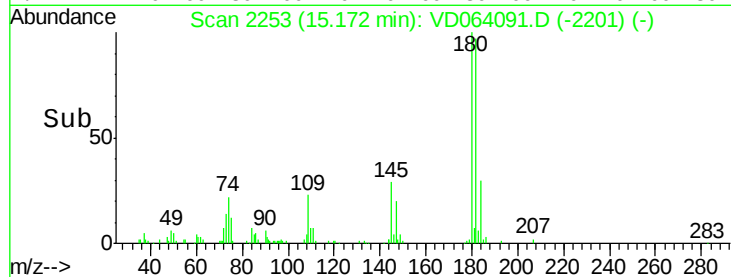
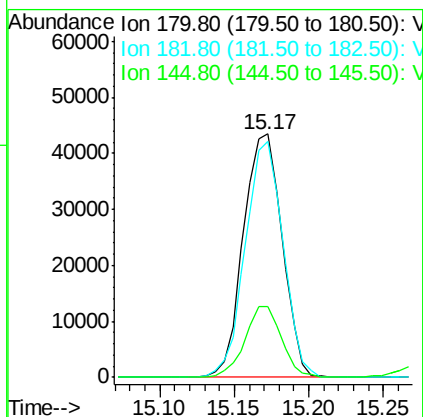
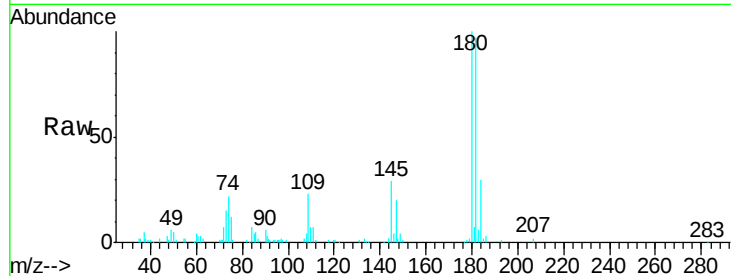
#93
 1,2,4-Trichlorobenzene
 Concen: 21.140 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. 0.01 min
 Lab File: VD064091.D
 Acq: 29 Oct 2019 16:21

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1029SBS01

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	78093		
182	94.2	46.9	140.7	
145	27.5	14.2	42.6	

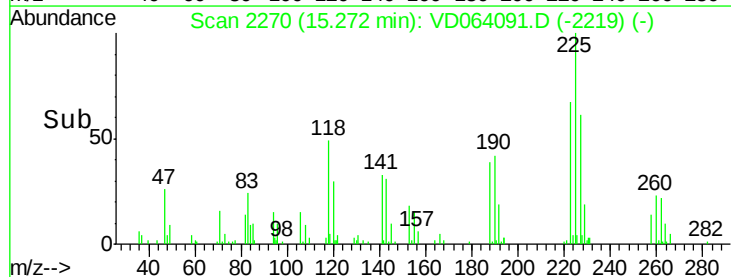
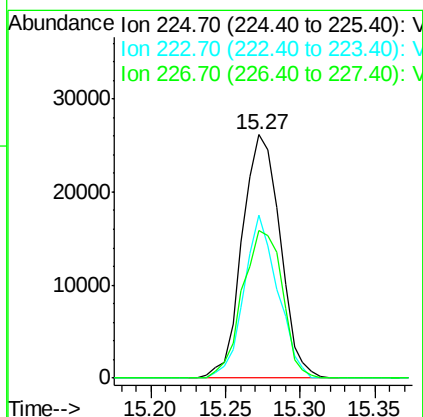
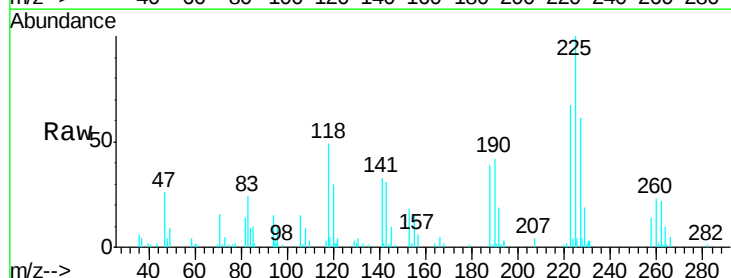
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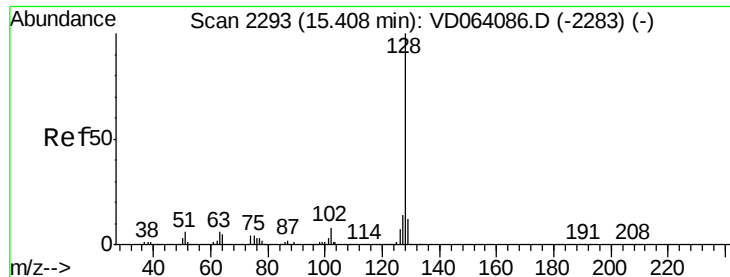
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#94
 Hexachlorobutadiene
 Concen: 21.354 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. 0.00 min
 Lab File: VD064091.D
 Acq: 29 Oct 2019 16:21

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	46103		
223	59.5	30.8	92.3	
227	63.4	31.7	95.1	





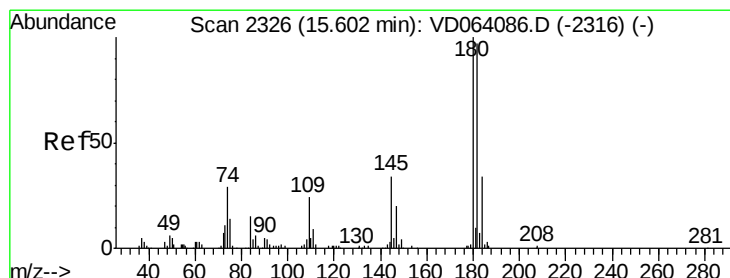
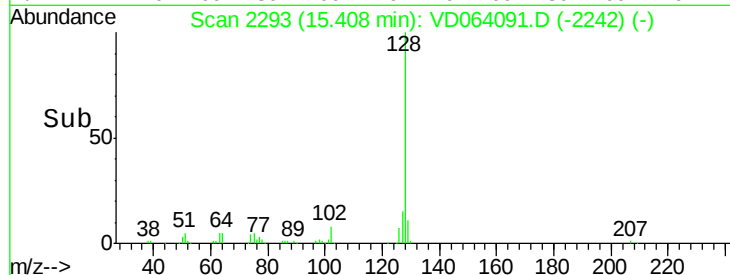
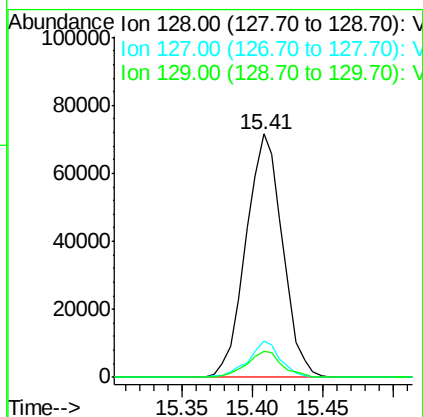
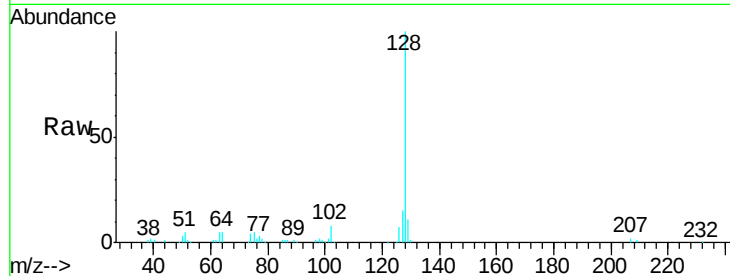
#95
Naphthalene
Concen: 21.601 ug/l
RT: 15.41 min Scan# 2293
Delta R.T. 0.00 min
Lab File: VD064091.D
Acq: 29 Oct 2019 16:21

Instrument :
MSVOA_D
ClientSampleId :
VD1029SBS01

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	130137		
127	13.2	10.9	16.3	
129	10.4	8.8	13.2	

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 20.507 ug/l
RT: 15.60 min Scan# 2326
Delta R.T. 0.00 min
Lab File: VD064091.D
Acq: 29 Oct 2019 16:21

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	65616		
182	95.1	48.4	145.0	
145	32.8	16.4	49.4	

