

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

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jan 03 16:44:58 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D122419S.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 24 13:19:06 2019
 Response via : Initial Calibration

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

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.33	65	172378	46.33	ug/l	0.00
Spiked Amount			Recovery	=	92.66%	
35) Dibromofluoromethane	7.92	113	171269	45.85	ug/l	0.00
Spiked Amount			Recovery	=	91.70%	
50) Toluene-d8	10.34	98	652259	45.59	ug/l	0.00
Spiked Amount			Recovery	=	91.18%	
62) 4-Bromofluorobenzene	12.64	95	203082	44.89	ug/l	0.00
Spiked Amount			Recovery	=	89.78%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	64709	19.734	ug/l	99
3) Chloromethane	2.21	50	95730	20.875	ug/l	96
4) Vinyl Chloride	2.35	62	113823	20.357	ug/l	98
5) Bromomethane	2.76	94	80573	19.819	ug/l	96
6) Chloroethane	2.91	64	78334	20.908	ug/l	99
7) Trichlorofluoromethane	3.27	101	193864	20.592	ug/l	98
8) Diethyl Ether	3.71	74	38013	20.333	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.08	101	78885	20.232	ug/l	98
10) Methyl Iodide	4.29	142	79294	18.933	ug/l	98
11) Tert butyl alcohol	5.24	59	3727	17.479	ug/l #	1
12) 1,1-Dichloroethene	4.06	96	75666	20.384	ug/l	87
13) Acrolein	3.93	56	25339	85.270	ug/l	96
14) Allyl chloride	4.71	41	116437	20.118	ug/l	99
15) Acrylonitrile	5.43	53	80536	103.419	ug/l	98
16) Acetone	4.16	43	86177	105.171	ug/l	99
17) Carbon Disulfide	4.39	76	231677	19.302	ug/l	98
18) Methyl Acetate	4.73	43	44084	21.046	ug/l	96
19) Methyl tert-butyl Ether	5.48	73	170326	20.658	ug/l	91
20) Methylene Chloride	4.96	84	93260	21.748	ug/l	97
21) trans-1,2-Dichloroethene	5.47	96	86608	20.487	ug/l	88
22) Diisopropyl ether	6.37	45	242865	21.039	ug/l	99
23) Vinyl Acetate	6.31	43	669787	102.283	ug/l	99
24) 1,1-Dichloroethane	6.26	63	144690	20.878	ug/l	98
25) 2-Butanone	7.22	43	108626	106.217	ug/l	94
26) 2,2-Dichloropropane	7.21	77	133052	20.650	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	93572	20.509	ug/l	99
28) Bromochloromethane	7.55	49	50901	18.895	ug/l	98
29) Tetrahydrofuran	7.57	42	67811	106.624	ug/l	96
30) Chloroform	7.71	83	149338	20.539	ug/l	98
31) Cyclohexane	7.99	56	136627	19.695	ug/l #	91
32) 1,1,1-Trichloroethane	7.90	97	142270	20.832	ug/l	100
36) 1,1-Dichloropropene	8.11	75	119025	20.309	ug/l	99
37) Ethyl Acetate	7.30	43	47067	20.443	ug/l	98
38) Carbon Tetrachloride	8.10	117	125943	20.154	ug/l	99

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 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
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 ClientSampleId :

Quant Time: Jan 03 16:44:58 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D122419S.M
 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	142381	20.059	ug/l	96
40) Benzene	8.35	78	324973	20.312	ug/l	99
41) Methacrylonitrile	7.53	41	28890	21.627	ug/l	94
42) 1,2-Dichloroethane	8.43	62	98564	21.319	ug/l	100
43) Isopropyl Acetate	8.46	43	93435	20.389	ug/l	99
44) Trichloroethene	9.11	130	95152	20.245	ug/l	90
45) 1,2-Dichloropropane	9.39	63	79165	20.724	ug/l	96
46) Dibromomethane	9.48	93	44197	20.752	ug/l	98
47) Bromodichloromethane	9.67	83	117479	20.730	ug/l	98
48) Methyl methacrylate	9.46	41	43719	20.261	ug/l	92
49) 1,4-Dioxane	9.47	88	9858	401.429	ug/l	97
51) 4-Methyl-2-Pentanone	10.23	43	232771	102.765	ug/l	100
52) Toluene	10.41	92	212929	20.286	ug/l	99
53) t-1,3-Dichloropropene	10.62	75	110651	20.942	ug/l	99
54) cis-1,3-Dichloropropene	10.09	75	129753	20.827	ug/l	95
55) 1,1,2-Trichloroethane	10.80	97	58714	20.457	ug/l	96
56) Ethyl methacrylate	10.67	69	71679	19.997	ug/l	97
57) 1,3-Dichloropropane	10.95	76	102277	20.696	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	143178	104.842	ug/l	99
59) 2-Hexanone	10.99	43	160817	104.606	ug/l	100
60) Dibromochloromethane	11.14	129	81152	20.446	ug/l	97
61) 1,2-Dibromoethane	11.25	107	57776	20.409	ug/l	99
64) Tetrachloroethene	10.87	164	83673	20.243	ug/l	98
65) Chlorobenzene	11.67	112	225286	20.147	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.74	131	87005	20.639	ug/l	98
67) Ethyl Benzene	11.75	91	405847	19.996	ug/l	96
68) m/p-Xylenes	11.86	106	311161	39.719	ug/l	98
69) o-Xylene	12.18	106	138642	19.593	ug/l	96
70) Styrene	12.20	104	249961	20.125	ug/l	99
71) Bromoform	12.37	173	48887	20.335	ug/l #	99
73) Isopropylbenzene	12.48	105	388035	20.138	ug/l	99
74) N-amyl acetate	12.30	43	85165	20.676	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	64026	21.152	ug/l	98
76) 1,2,3-Trichloropropane	12.79	75	82715	38.847	ug/l #	100
77) Bromobenzene	12.77	156	95775	20.228	ug/l	97
78) n-propylbenzene	12.83	91	456154	20.292	ug/l	100
79) 2-Chlorotoluene	12.91	91	249020	20.165	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	315510	19.933	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.53	75	20691	20.324	ug/l	96
82) 4-Chlorotoluene	13.01	91	269069	20.474	ug/l	99
83) tert-Butylbenzene	13.23	119	278419	20.259	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	319073	20.240	ug/l	98
85) sec-Butylbenzene	13.41	105	378677	20.098	ug/l	98
86) p-Isopropyltoluene	13.53	119	354970	19.703	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	182778	20.250	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	177478	20.016	ug/l	97
89) n-Butylbenzene	13.85	91	332428	20.490	ug/l	99
90) Hexachloroethane	14.12	117	70295	20.426	ug/l	94
91) 1,2-Dichlorobenzene	13.90	146	155537	20.209	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.52	75	10260	20.909	ug/l	91

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Misc : 5.00G/5.00ml/MSVOA D/SOIL
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Instrument :
MSVOA_D
ClientSampleId :

Quant Time: Jan 03 16:44:58 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D122419S.M
Quant Title : SW846 8260
QLast Update : Tue Dec 24 13:19:06 2019
Response via : Initial Calibration

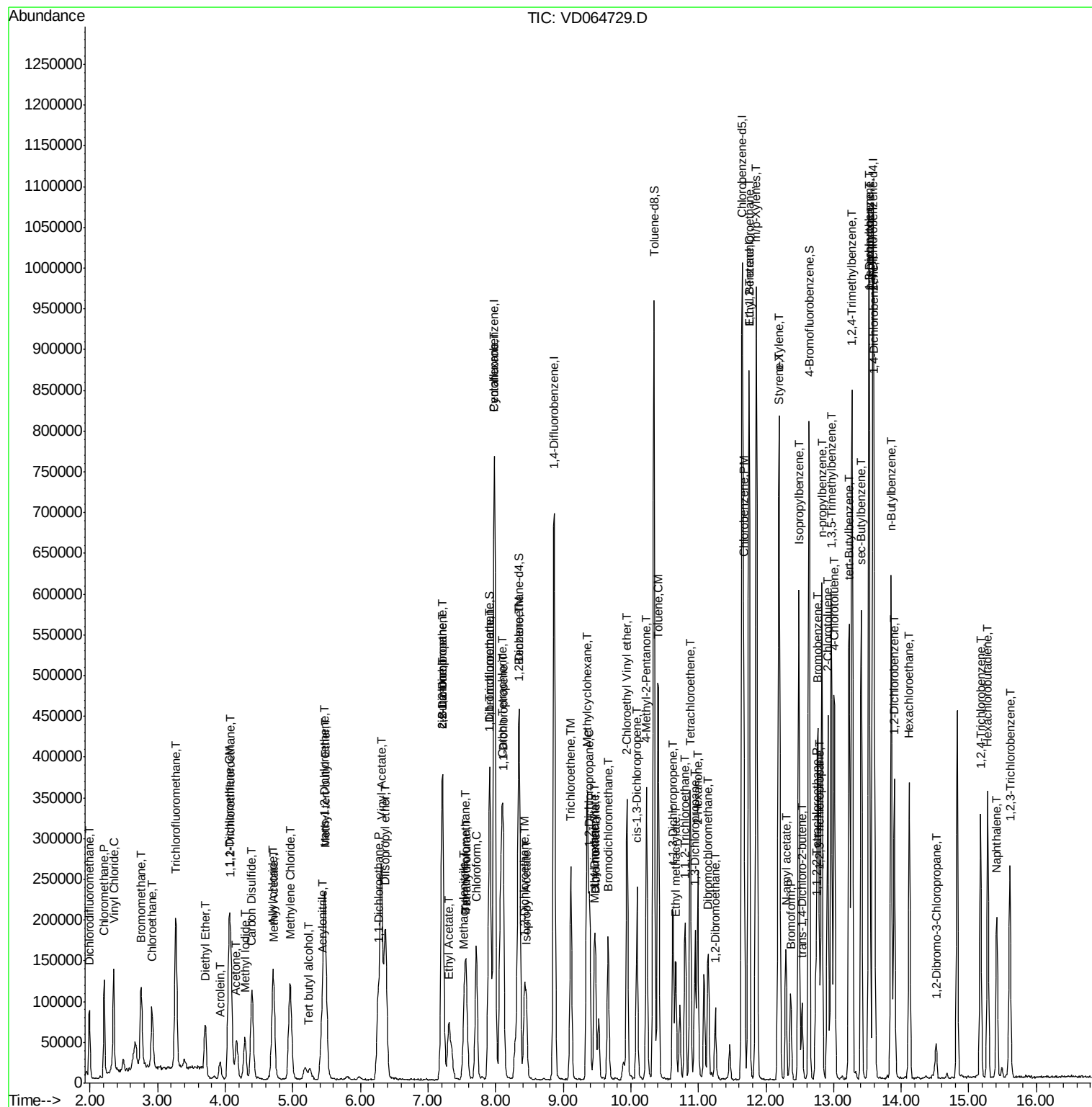
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.18	180	111496	19.675	ug/l	100
94) Hexachlorobutadiene	15.28	225	69942	19.613	ug/l	98
95) Naphthalene	15.41	128	174323	19.444	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	95070	19.651	ug/l	99

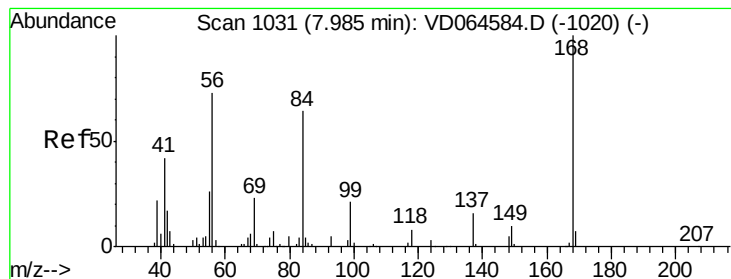
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD010320\
 Data File : VD064729.D
 Acq On : 03 Jan 2020 12:44
 Operator : VA/SY
 Sample : VD0103SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
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Instrument :
 MSVOA_D
 ClientSampled :

Quant Time: Jan 03 16:44:58 2020
 Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D122419S.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 24 13:19:06 2019
 Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD064729.D

Acq: 03 Jan 2020 12:44

Instrument :

MSVOA_D

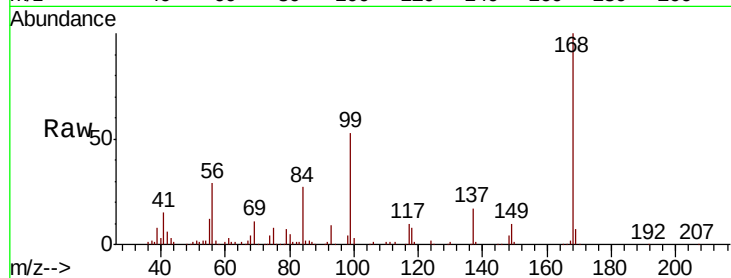
ClientSampled :

Tot Ion:168 Resp: 421929

Ion Ratio Lower Upper

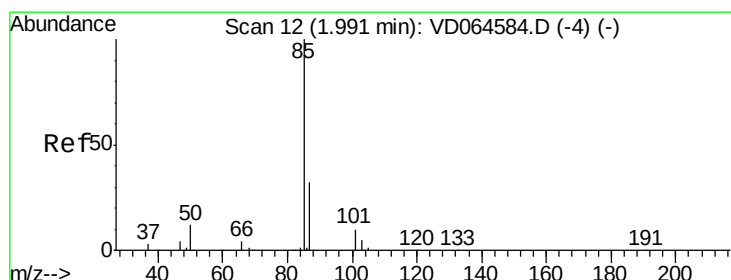
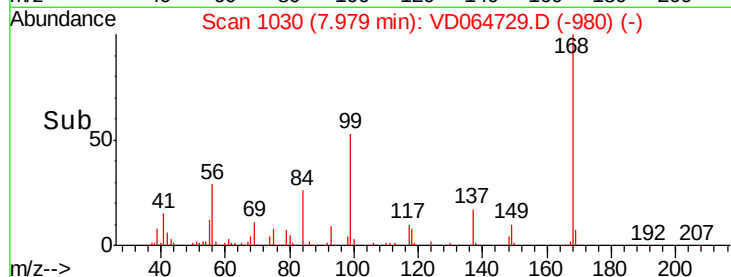
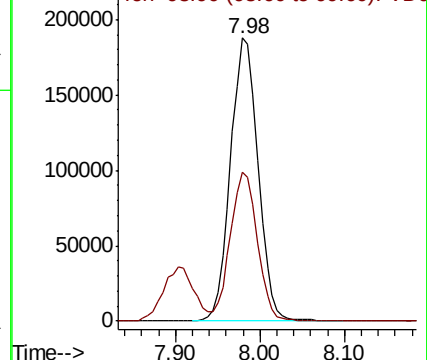
168 100

99 52.6 41.8 62.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 19.734 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD064729.D

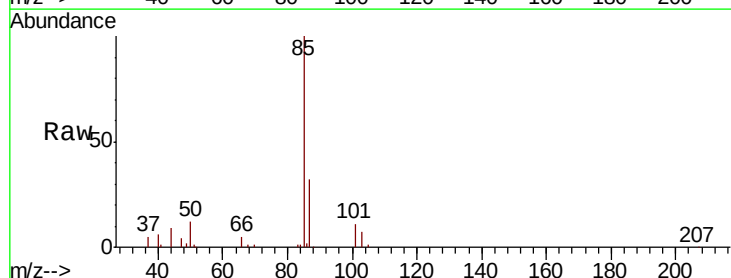
Acq: 03 Jan 2020 12:44

Tgt Ion: 85 Resp: 64709

Ion Ratio Lower Upper

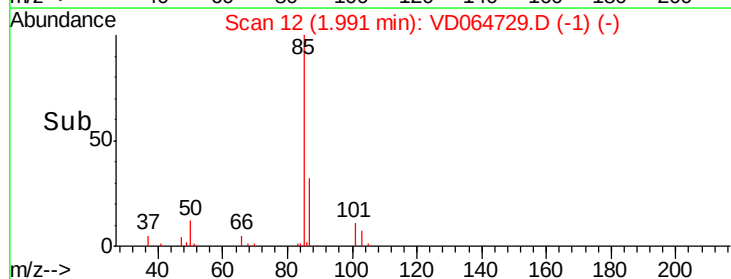
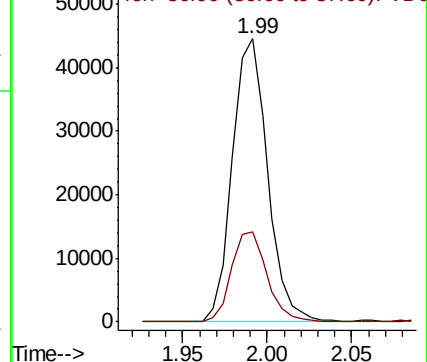
85 100

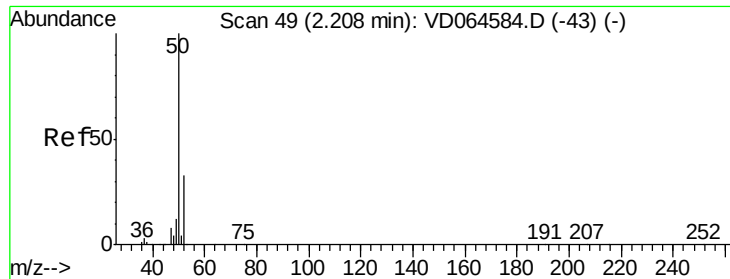
87 31.8 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 20.875 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD064729.D

Acq: 03 Jan 2020 12:44

Instrument :

MSVOA_D

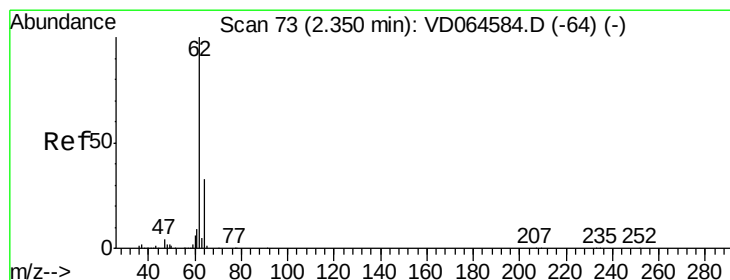
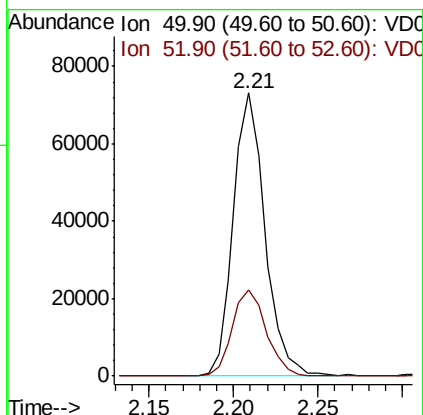
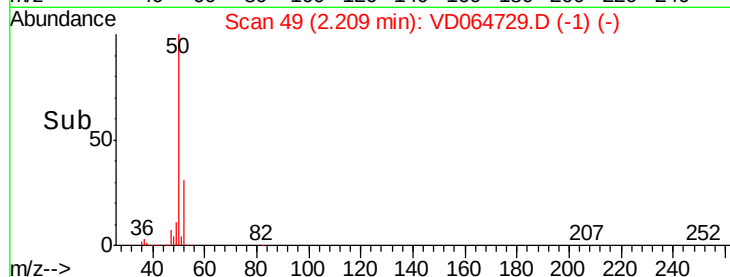
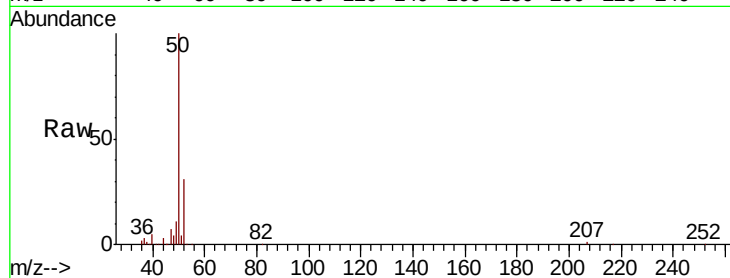
ClientSampleId :

Tot Ion: 50 Resp: 95730

Ion Ratio Lower Upper

50 100

52 30.6 26.5 39.7



#4

Vinyl Chloride

Concen: 20.357 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD064729.D

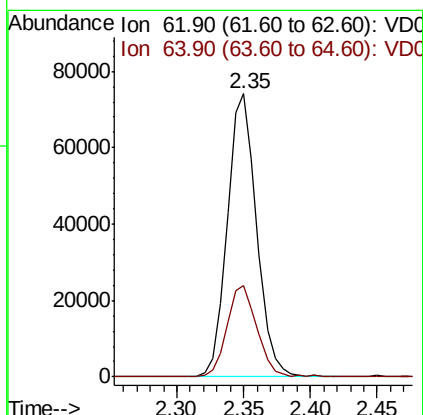
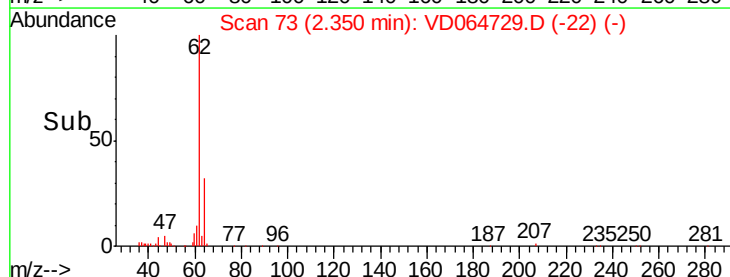
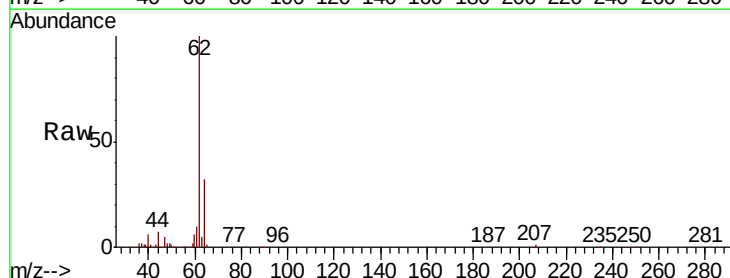
Acq: 03 Jan 2020 12:44

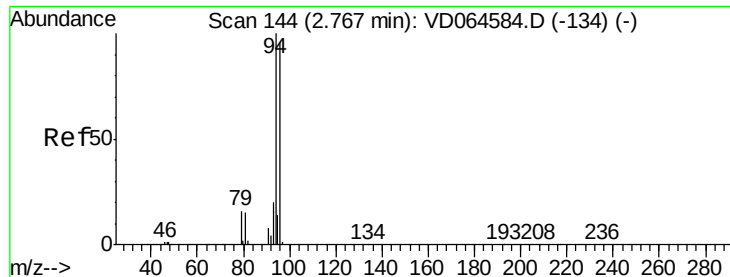
Tgt Ion: 62 Resp: 113823

Ion Ratio Lower Upper

62 100

64 32.2 26.6 40.0





#5

Bromomethane

Concen: 19.819 ug/l

RT: 2.76 min Scan# 142

Delta R.T. -0.01 min

Lab File: VD064729.D

Acq: 03 Jan 2020 12:44

Instrument :

MSVOA_D

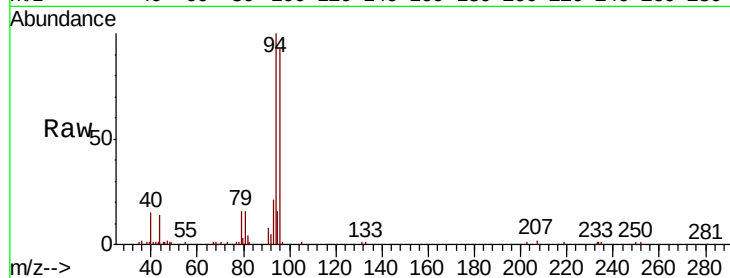
ClientSampleId :

Tot Ion: 94 Resp: 80573

Ion Ratio Lower Upper

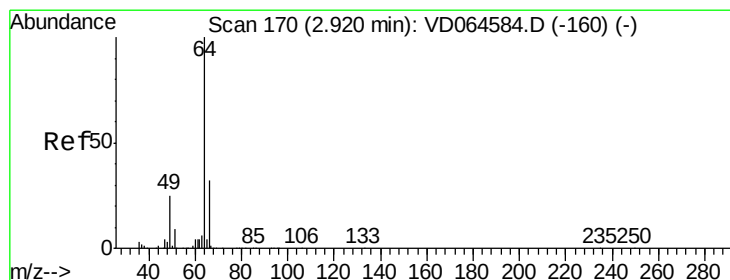
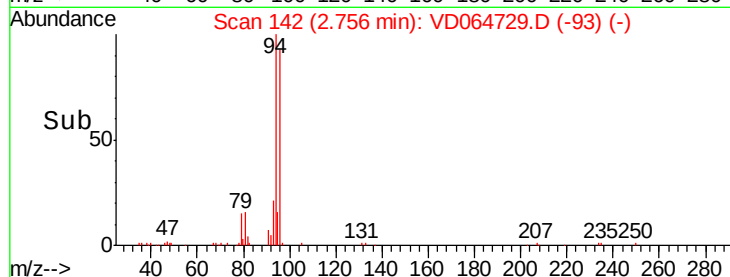
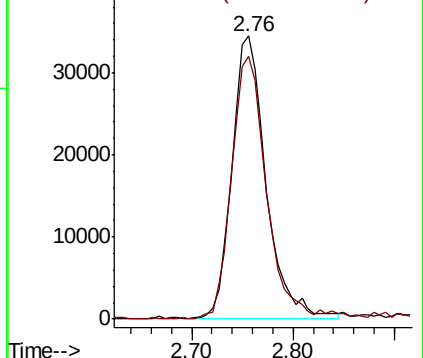
94 100

96 92.9 77.2 115.8



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 20.908 ug/l

RT: 2.91 min Scan# 169

Delta R.T. -0.01 min

Lab File: VD064729.D

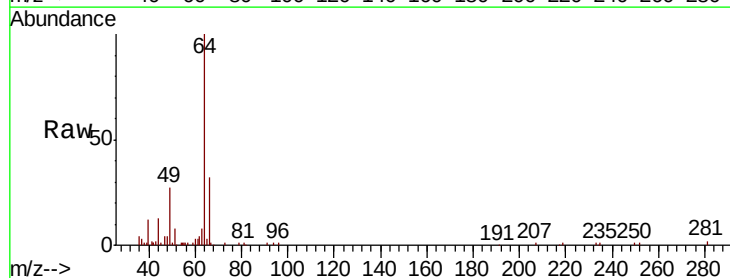
Acq: 03 Jan 2020 12:44

Tgt Ion: 64 Resp: 78334

Ion Ratio Lower Upper

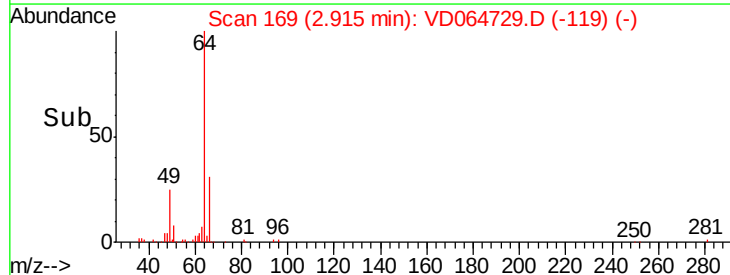
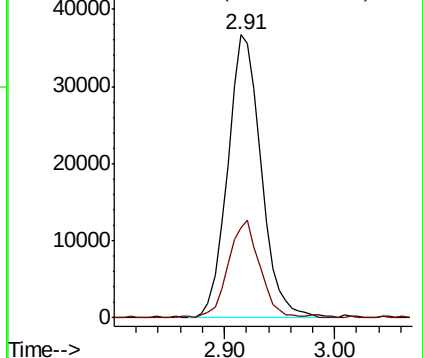
64 100

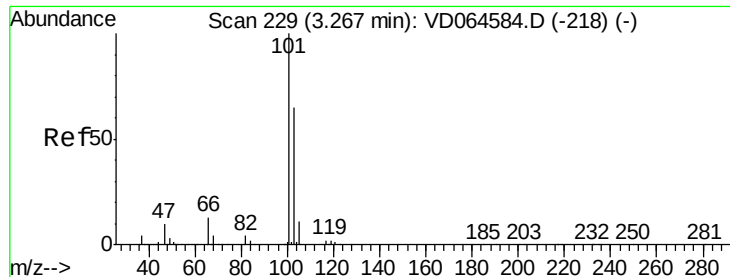
66 31.7 25.9 38.9



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC



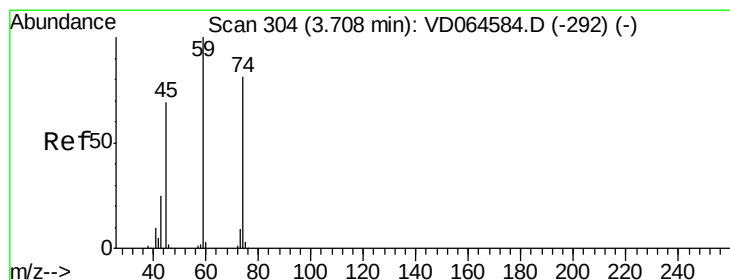
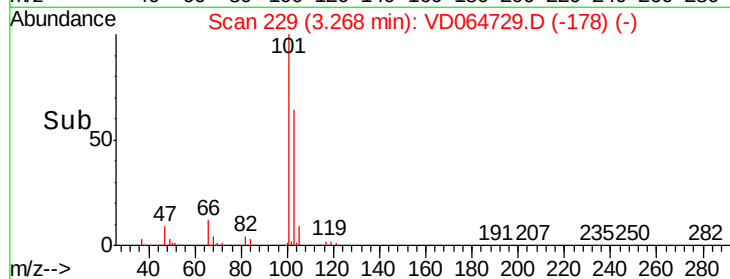
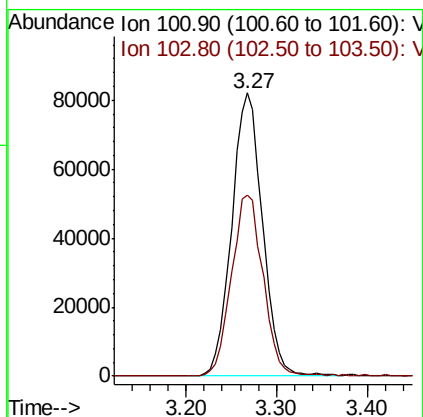
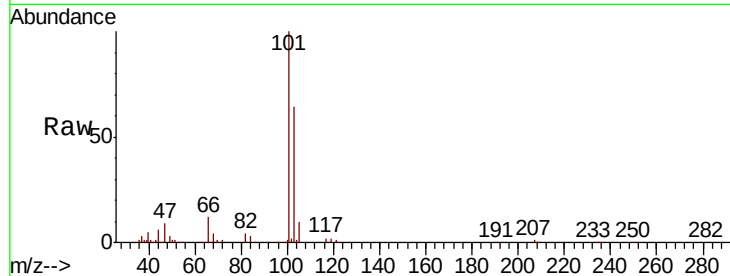


#7

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

Instrument :
 MSVOA_D
 ClientSampleId :

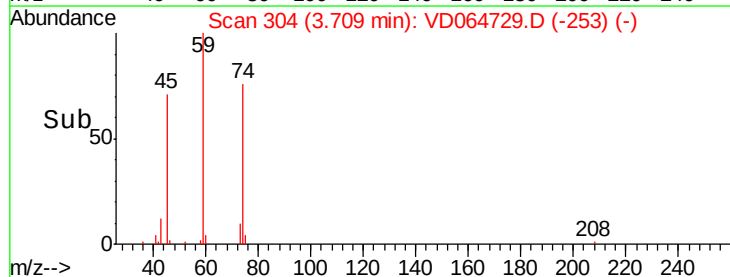
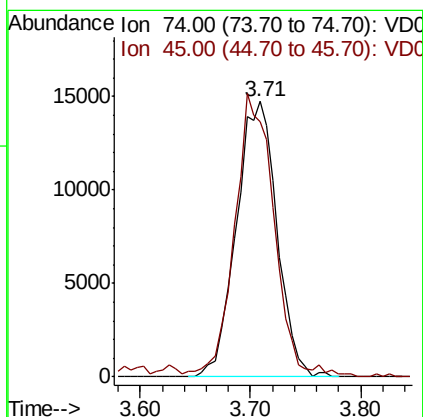
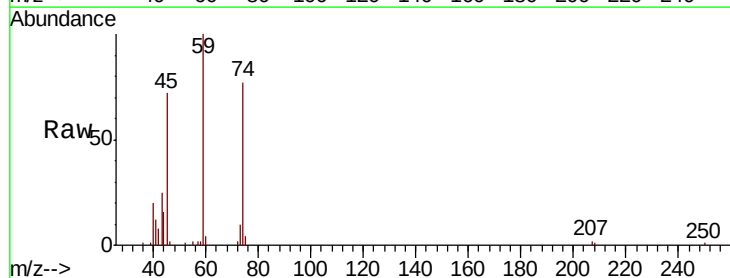
Tot Ion:101 Resp: 193864
 Ion Ratio Lower Upper
 101 100
 103 63.9 52.2 78.4

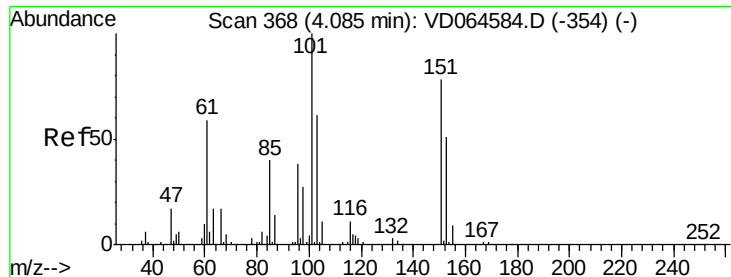


#8

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

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





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.232 ug/l

RT: 4.08 min Scan# 367

Delta R.T. -0.01 min

Lab File: VD064729.D

Acq: 03 Jan 2020 12:44

Instrument :

MSVOA_D

ClientSampleId :

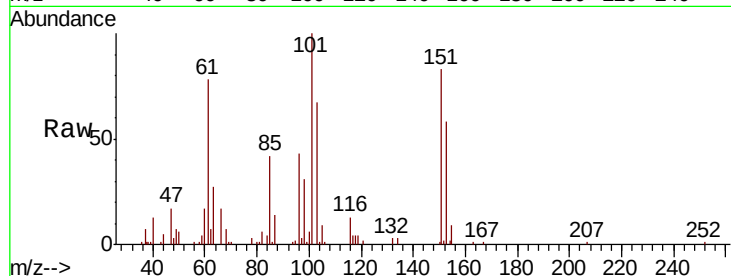
Tot Ion:101 Resp: 78885

Ion Ratio Lower Upper

101 100

85 45.3 35.2 52.8

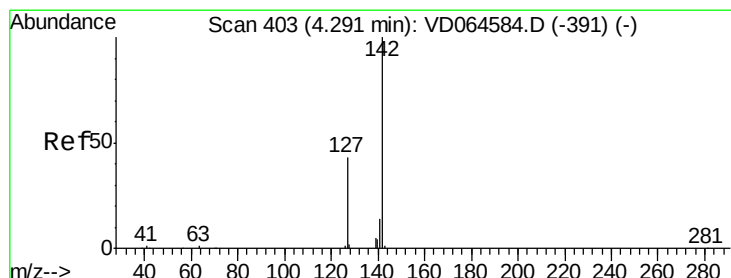
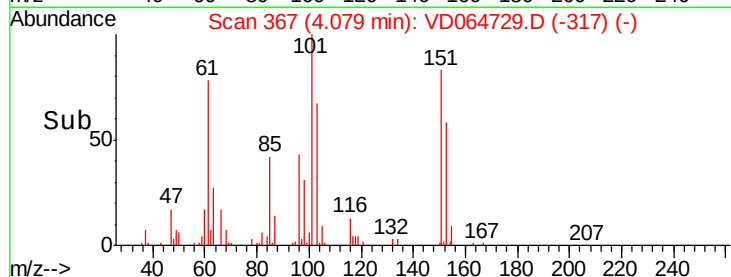
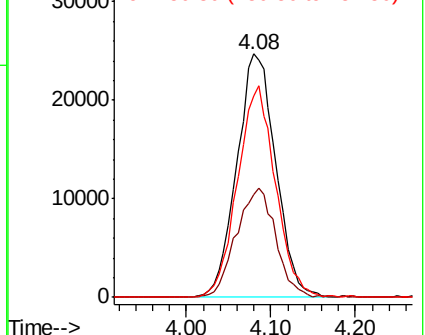
151 84.6 66.2 99.4



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: 18.933 ug/l

RT: 4.29 min Scan# 403

Delta R.T. 0.00 min

Lab File: VD064729.D

Acq: 03 Jan 2020 12:44

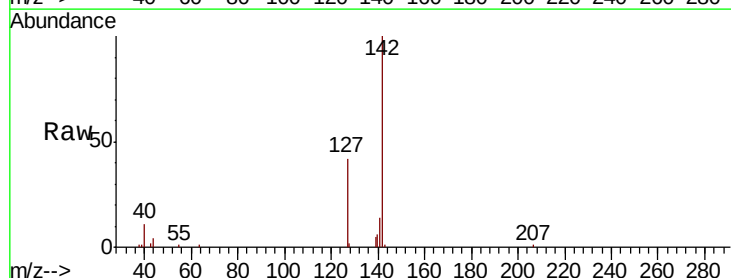
Tgt Ion:142 Resp: 79294

Ion Ratio Lower Upper

142 100

127 47.0 36.2 54.4

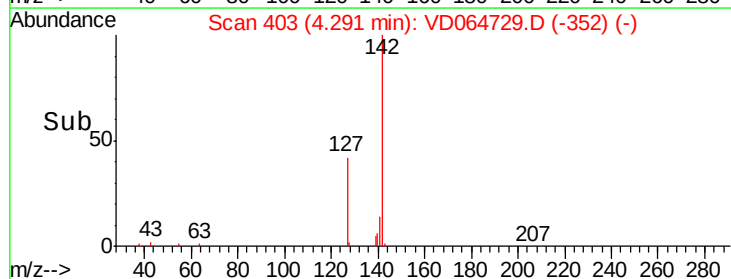
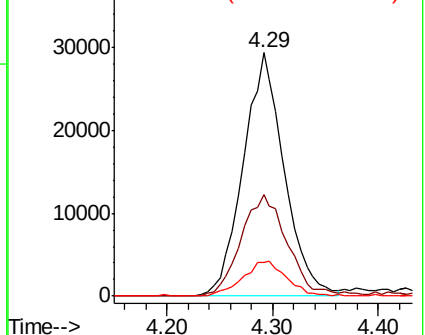
141 15.3 11.8 17.8

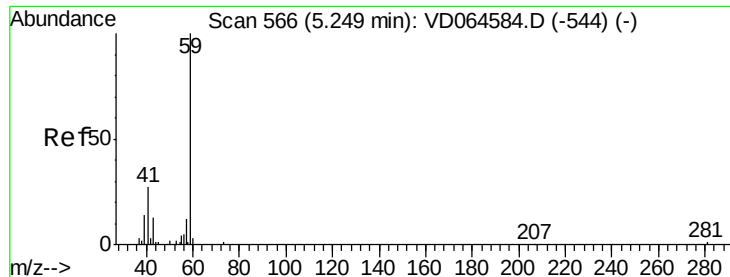


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



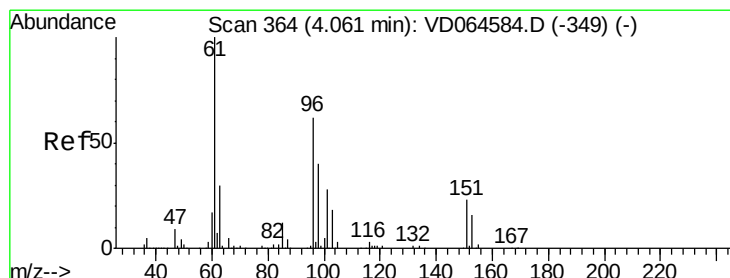
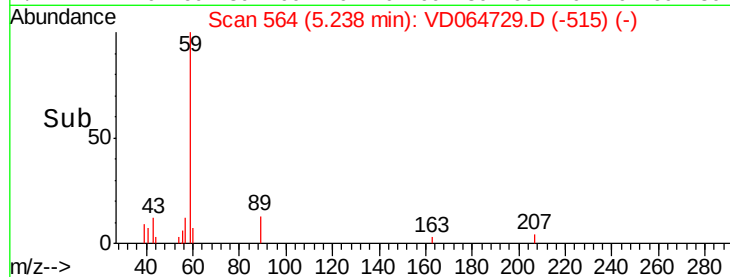
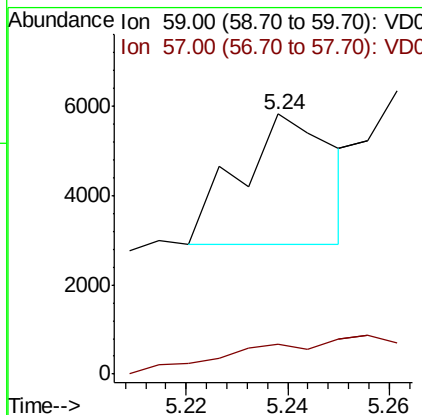
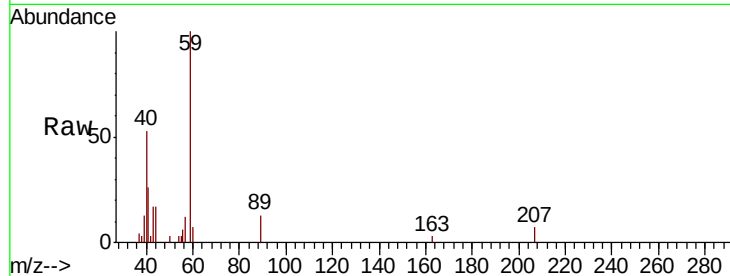


#11

Tert butyl alcohol
 Concen: 17.479 ug/l
 RT: 5.24 min Scan# 564
 Delta R.T. -0.01 min
 Lab File: VD064729.D
 Acq: 03 Jan 2020 12:44

Instrument :
 MSVOA_D
 ClientSampled :

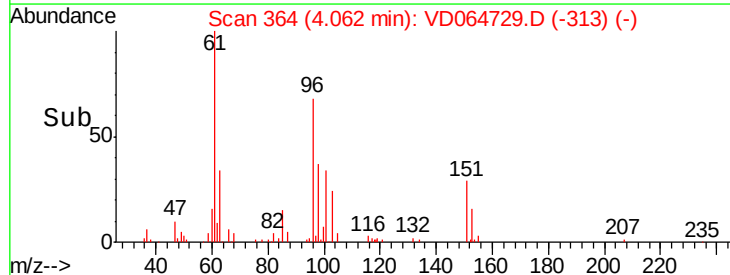
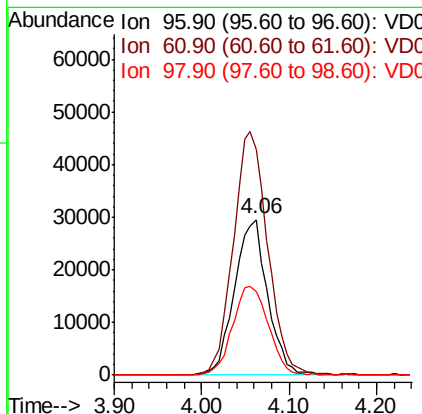
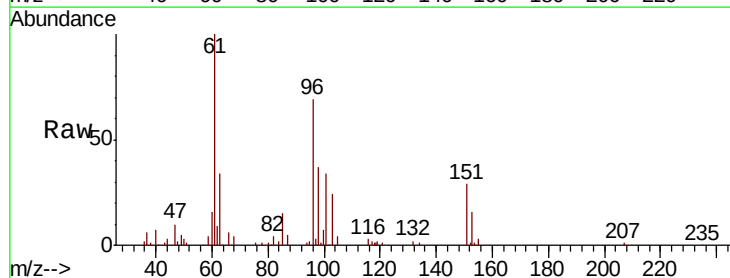
Tot Ion: 59 Resp: 3727
 Ion Ratio Lower Upper
 59 100
 57 71.0 9.3 13.9#

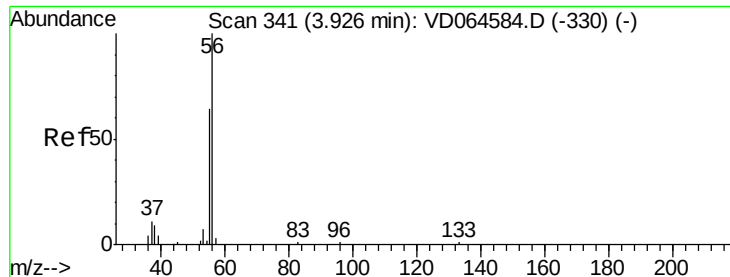


#12

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

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





#13

Acrolein

Concen: 85.270 ug/l

RT: 3.93 min Scan# 341

Delta R.T. 0.00 min

Lab File: VD064729.D

Acq: 03 Jan 2020 12:44

Instrument :

MSVOA_D

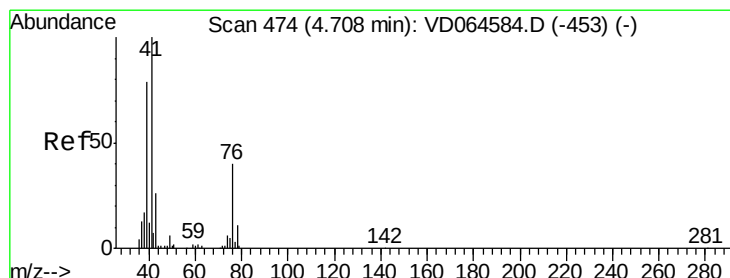
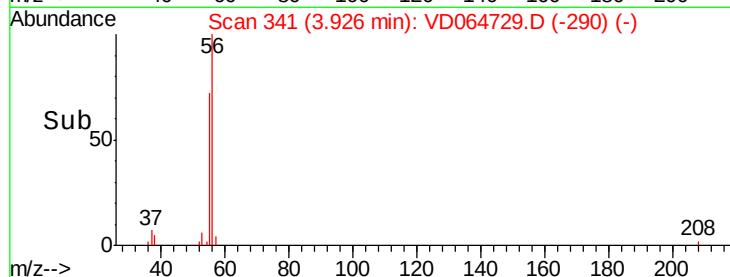
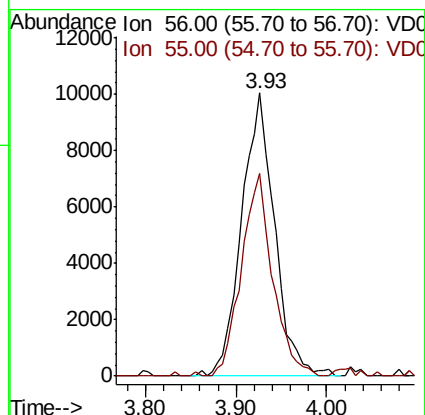
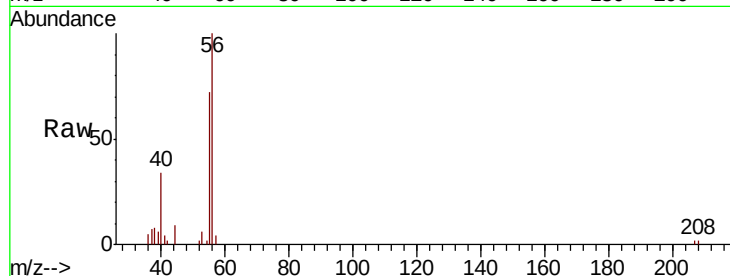
ClientSampleId :

Tot Ion: 56 Resp: 25339

Ion Ratio Lower Upper

56 100

55 67.7 56.7 85.1



#14

Allyl chloride

Concen: 20.118 ug/l

RT: 4.71 min Scan# 474

Delta R.T. 0.00 min

Lab File: VD064729.D

Acq: 03 Jan 2020 12:44

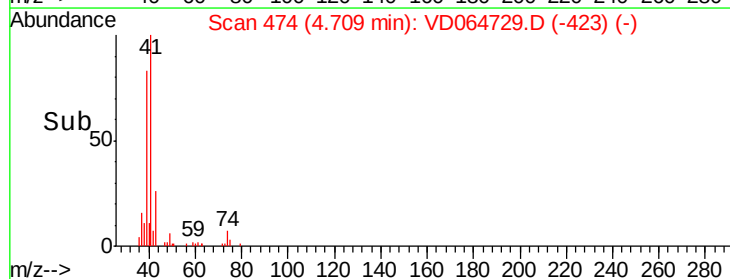
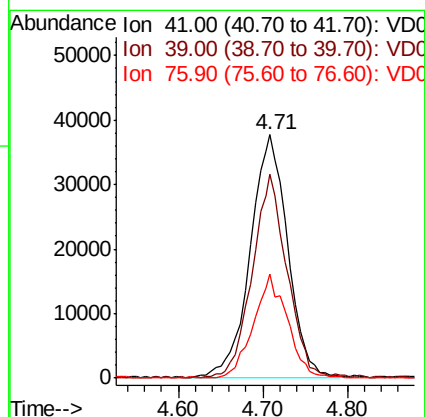
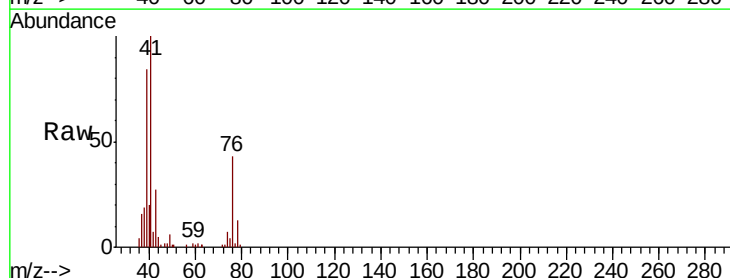
Tgt Ion: 41 Resp: 116437

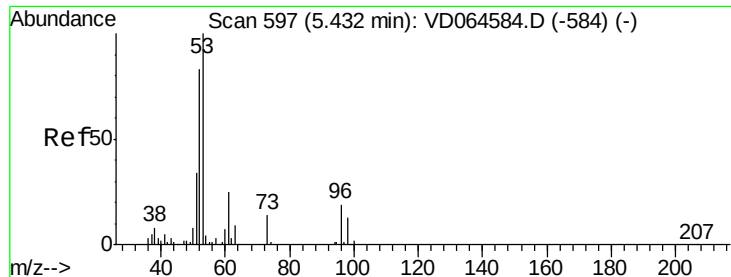
Ion Ratio Lower Upper

41 100

39 77.6 62.3 93.5

76 38.7 29.7 44.5





#15

Acrylonitrile

Concen: 103.419 ug/l

RT: 5.43 min Scan# 596

Delta R.T. -0.01 min

Lab File: VD064729.D

Acq: 03 Jan 2020 12:44

Instrument :

MSVOA_D

ClientSampleId :

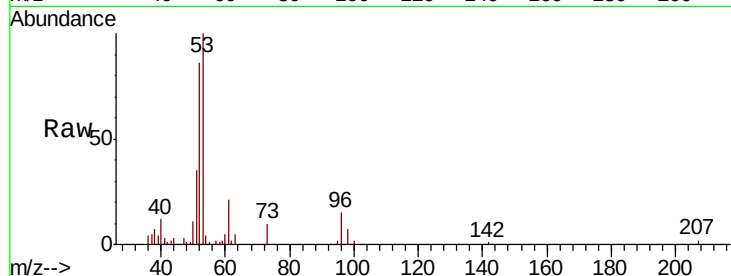
Tot Ion: 53 Resp: 80536

Ion Ratio Lower Upper

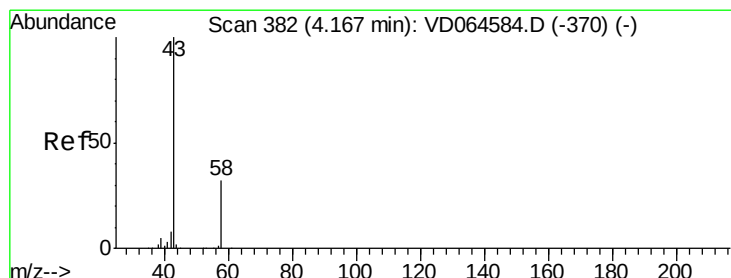
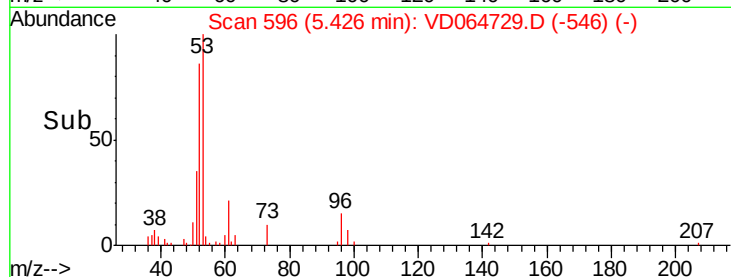
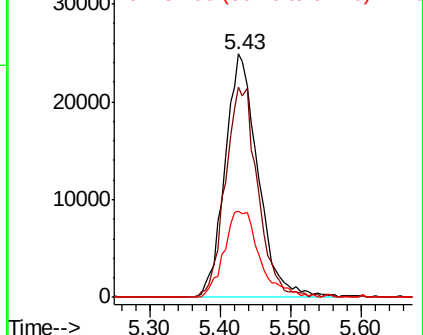
53 100

52 84.7 66.2 99.2

51 38.2 30.1 45.1



Abundance Ion 53.00 (52.70 to 53.70): VDC
Ion 52.00 (51.70 to 52.70): VDC
Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 105.171 ug/l

RT: 4.16 min Scan# 381

Delta R.T. -0.01 min

Lab File: VD064729.D

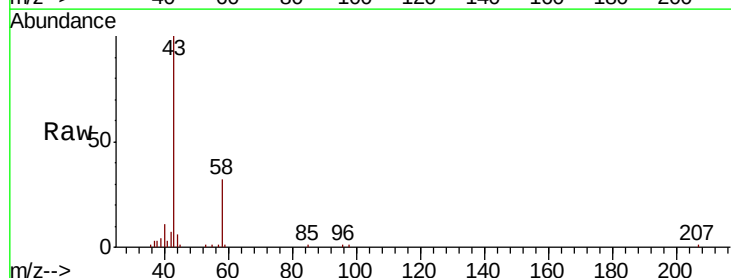
Acq: 03 Jan 2020 12:44

Tgt Ion: 43 Resp: 86177

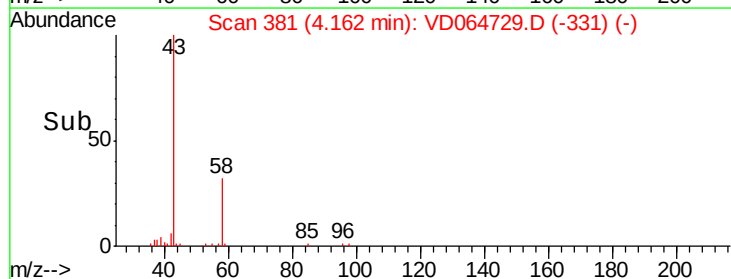
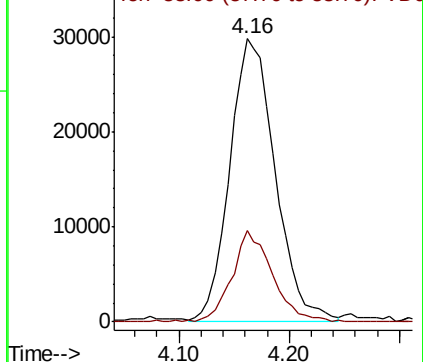
Ion Ratio Lower Upper

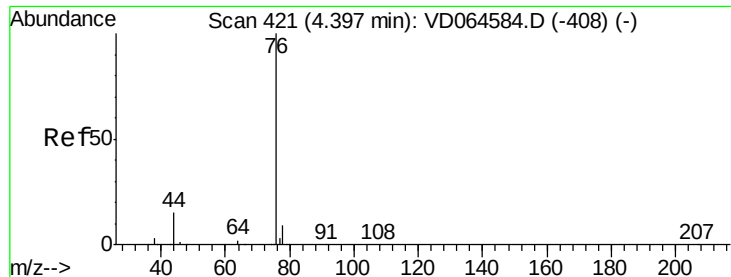
43 100

58 31.9 25.8 38.6



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

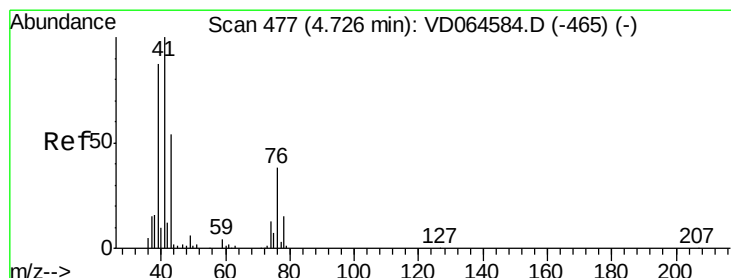
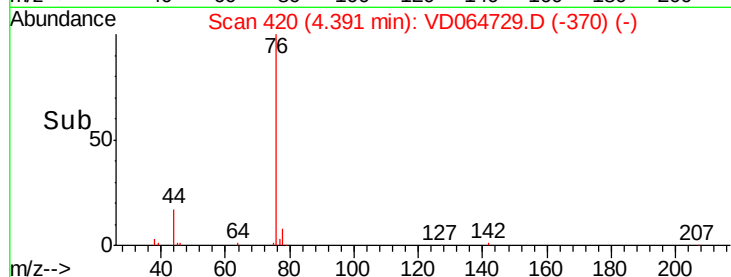
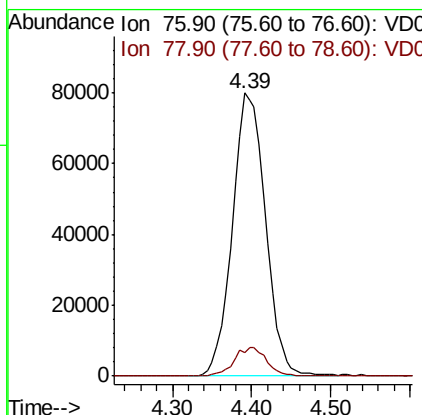
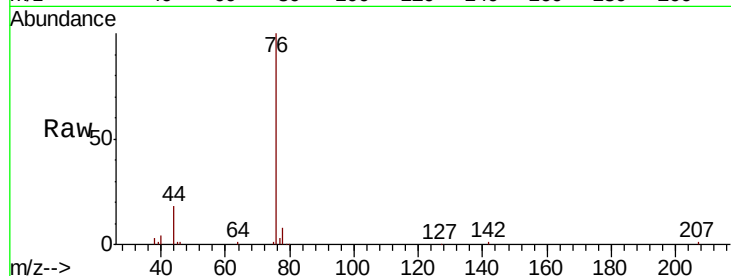




#17
Carbon Disulfide
Concen: 19.302 ug/l
RT: 4.39 min Scan# 420
Delta R.T. -0.01 min
Lab File: VD064729.D
Acq: 03 Jan 2020 12:44

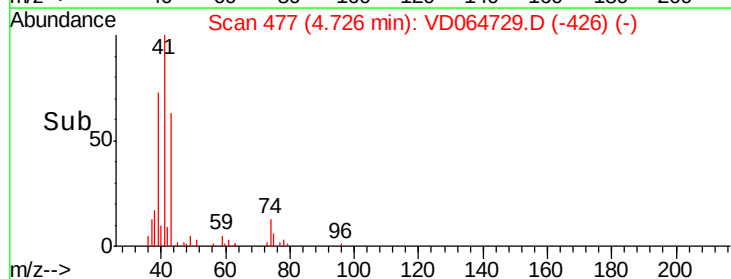
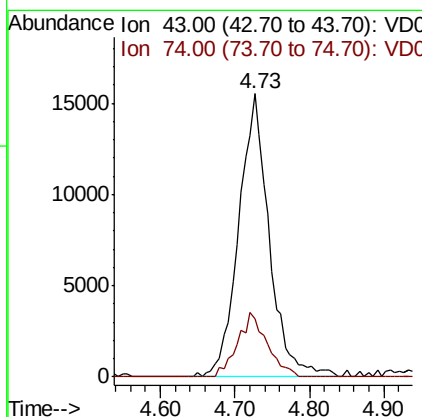
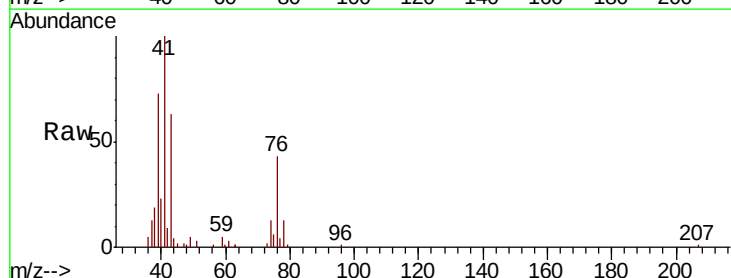
Instrument :
MSVOA_D
ClientSampleId :

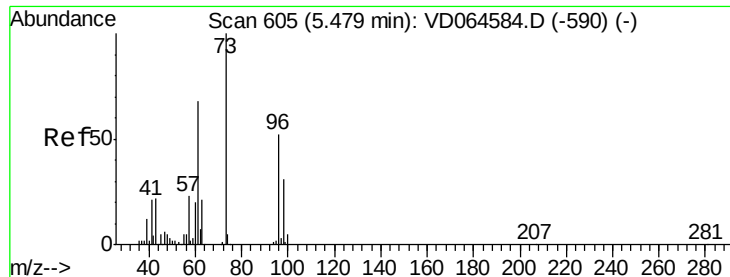
Tot Ion: 76 Resp: 231677
Ion Ratio Lower Upper
76 100
78 8.5 7.3 10.9



#18
Methyl Acetate
Concen: 21.046 ug/l
RT: 4.73 min Scan# 477
Delta R.T. 0.00 min
Lab File: VD064729.D
Acq: 03 Jan 2020 12:44

Tgt Ion: 43 Resp: 44084
Ion Ratio Lower Upper
43 100
74 21.9 19.2 28.8



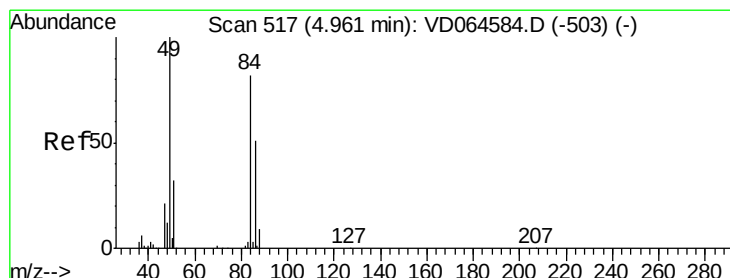
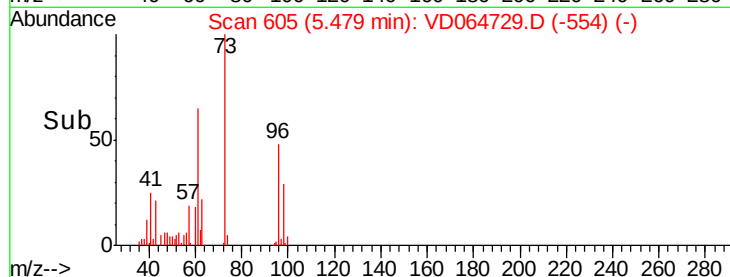
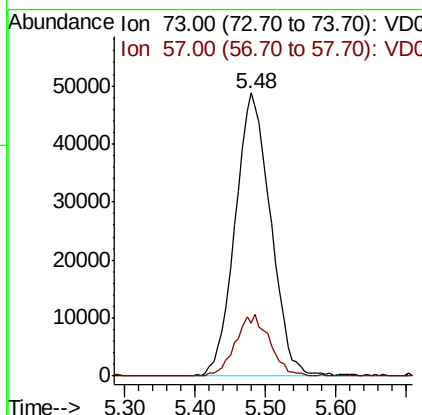
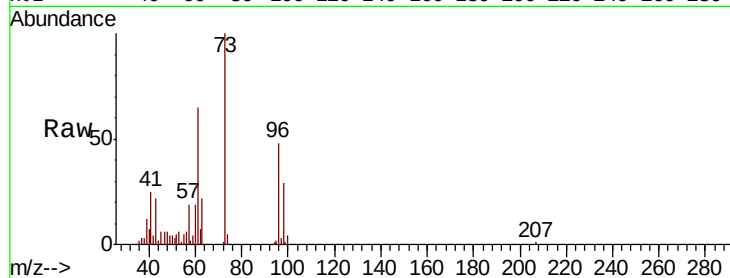


#19

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

Instrument :
 MSVOA_D
 ClientSampled :

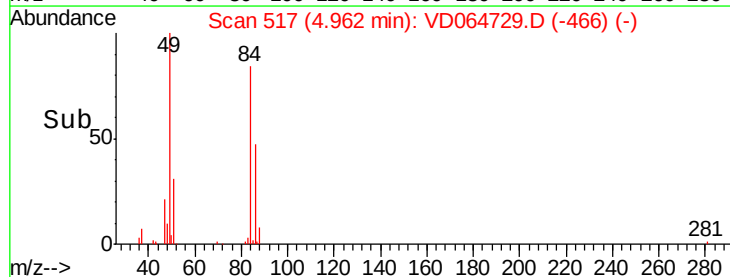
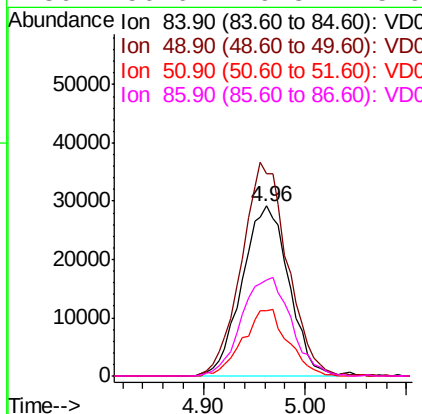
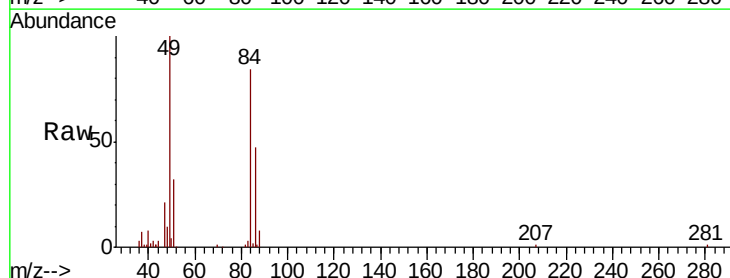
Tot Ion: 73 Resp: 170326
 Ion Ratio Lower Upper
 73 100
 57 18.9 18.6 27.8

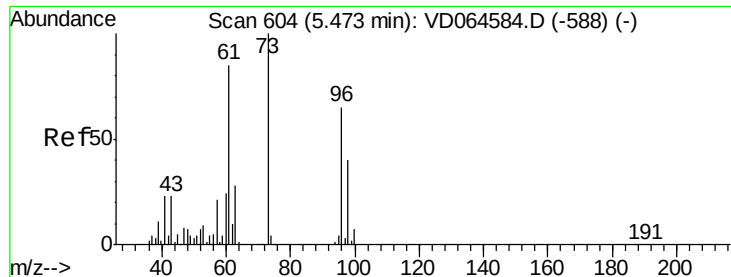


#20

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

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





#21

trans-1,2-Dichloroethene

Concen: 20.487 ug/l

RT: 5.47 min Scan# 604

Delta R.T. 0.00 min

Lab File: VD064729.D

Acq: 03 Jan 2020 12:44

Instrument :

MSVOA_D

ClientSampled :

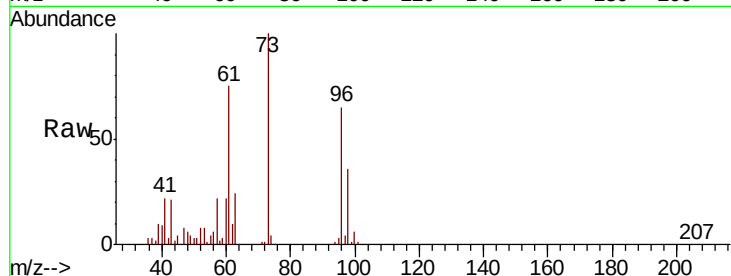
Tot Ion: 96 Resp: 86608

Ion Ratio Lower Upper

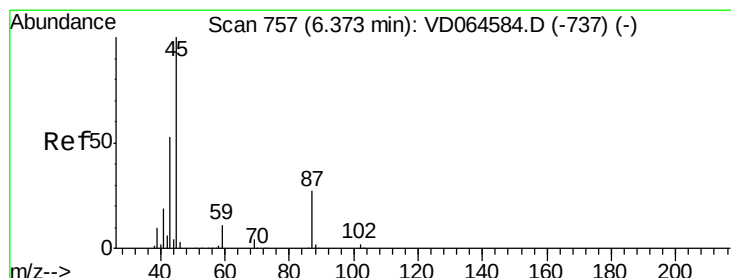
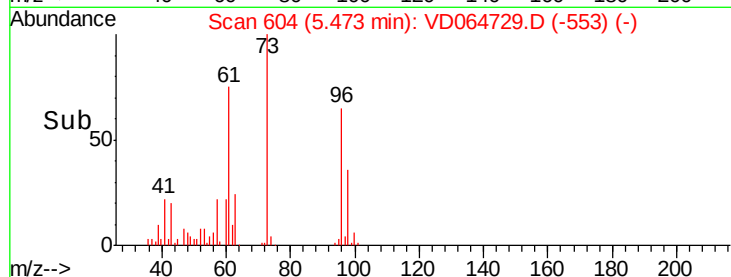
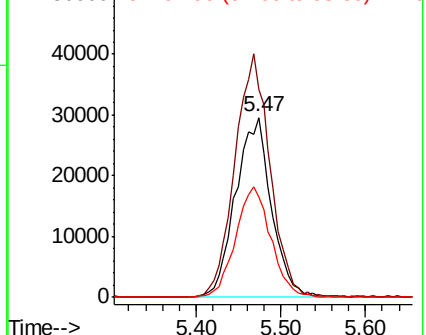
96 100

61 115.4 104.7 157.1

98 55.4 49.4 74.2



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



#22

Diisopropyl ether

Concen: 21.039 ug/l

RT: 6.37 min Scan# 756

Delta R.T. -0.01 min

Lab File: VD064729.D

Acq: 03 Jan 2020 12:44

Tgt Ion: 45 Resp: 242865

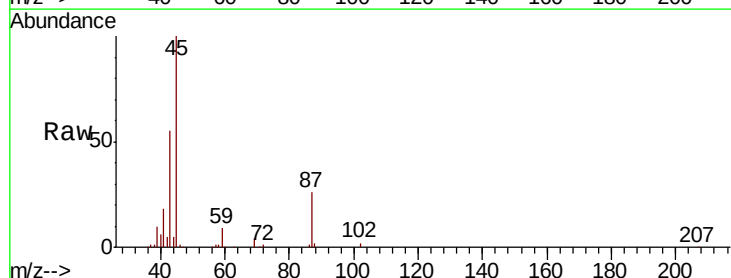
Ion Ratio Lower Upper

45 100

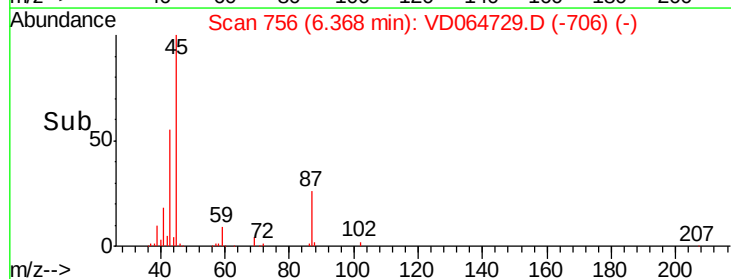
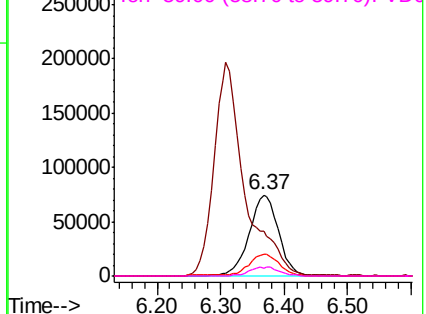
43 54.0 43.2 64.8

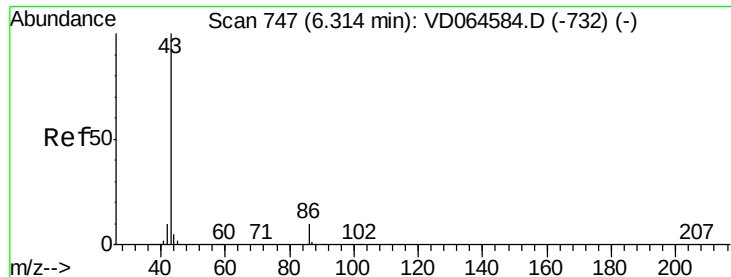
87 26.5 21.9 32.9

59 9.1 9.0 13.4



Abundance Ion 45.00 (44.70 to 45.70): VDC
Ion 43.00 (42.70 to 43.70): VDC
Ion 87.00 (86.70 to 87.70): VDC
Ion 59.00 (58.70 to 59.70): VDC





#23

Vinyl Acetate

Concen: 102.283 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.01 min

Lab File: VD064729.D

Acq: 03 Jan 2020 12:44

Instrument :

MSVOA_D

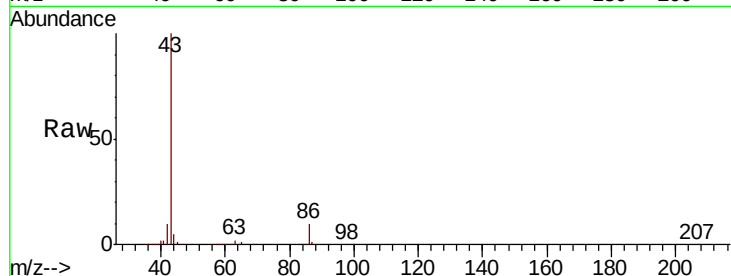
ClientSampleId :

Tot Ion: 43 Resp: 669787

Ion Ratio Lower Upper

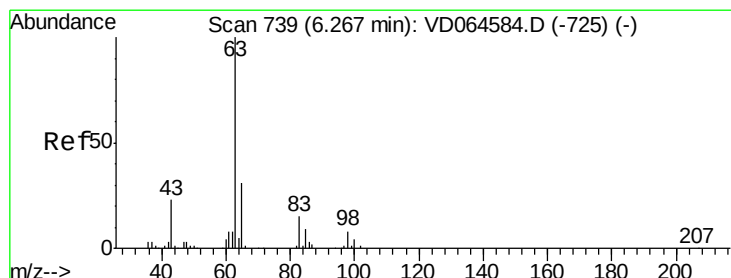
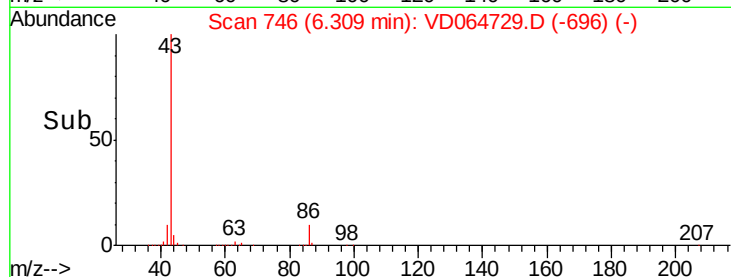
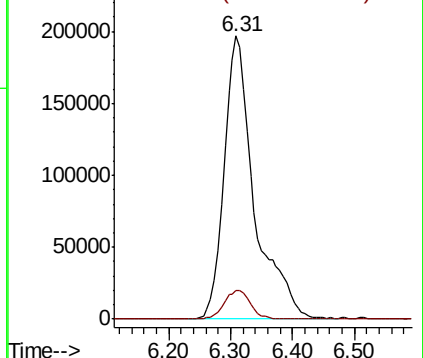
43 100

86 10.0 8.3 12.5



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 20.878 ug/l

RT: 6.26 min Scan# 738

Delta R.T. -0.01 min

Lab File: VD064729.D

Acq: 03 Jan 2020 12:44

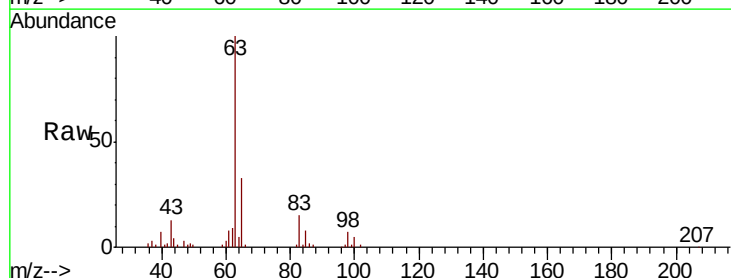
Tgt Ion: 63 Resp: 144690

Ion Ratio Lower Upper

63 100

98 7.5 4.1 12.3

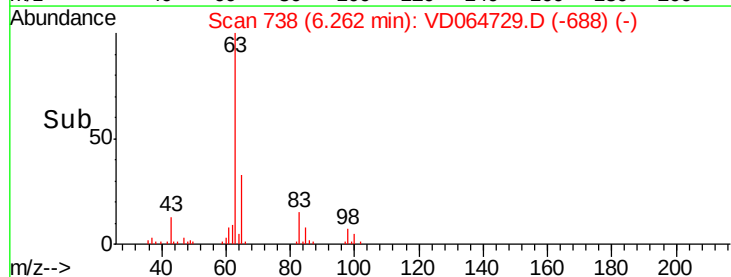
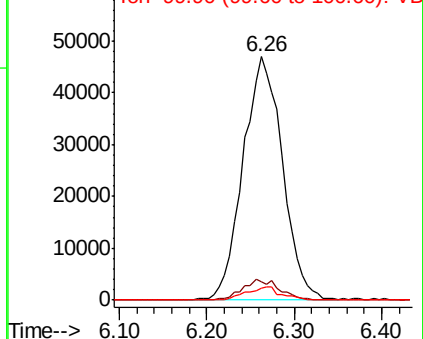
100 4.7 2.2 6.6

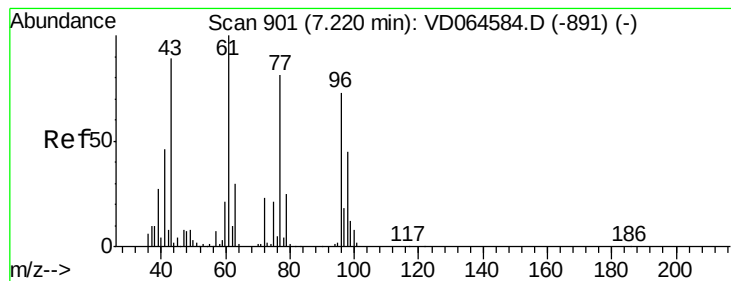


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 106.217 ug/l

RT: 7.22 min Scan# 901

Delta R.T. 0.00 min

Lab File: VD064729.D

Acq: 03 Jan 2020 12:44

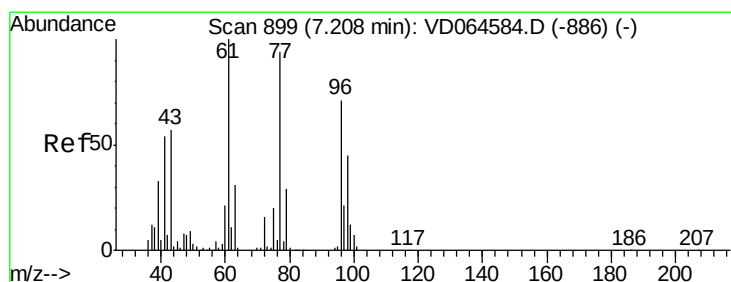
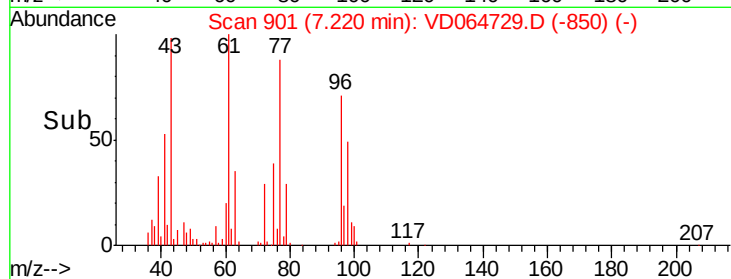
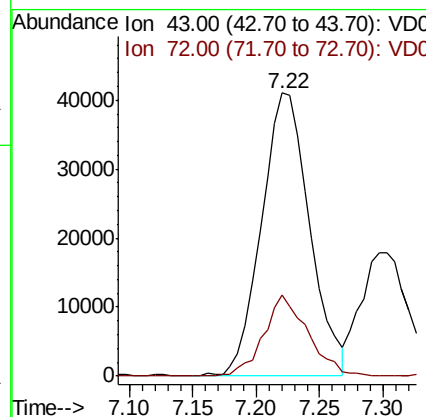
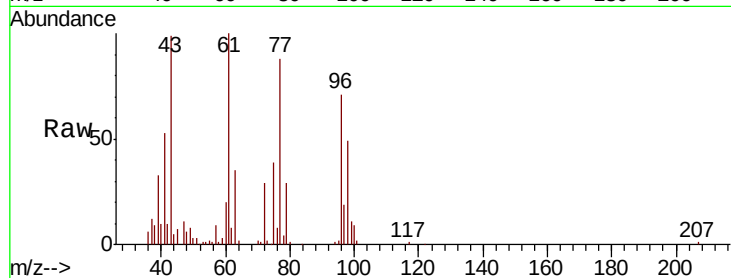
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 43 Resp: 108626

Ion Ratio Lower Upper

43 100

72 28.8 20.7 31.1



#26

2,2-Dichloropropane

Concen: 20.650 ug/l

RT: 7.21 min Scan# 899

Delta R.T. 0.00 min

Lab File: VD064729.D

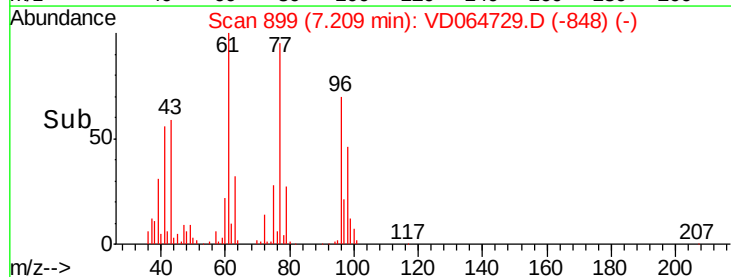
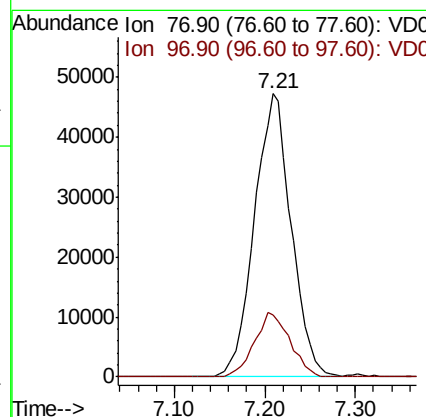
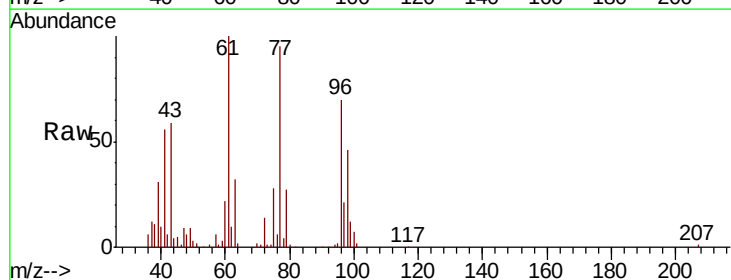
Acq: 03 Jan 2020 12:44

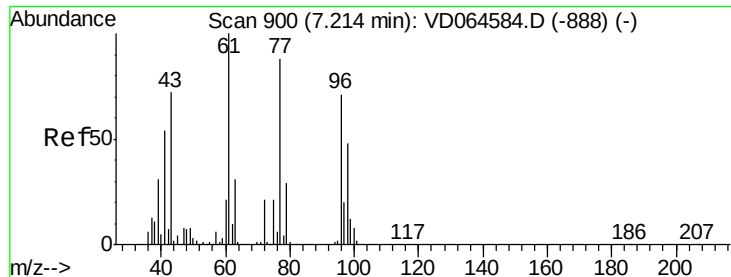
Tgt Ion: 77 Resp: 133052

Ion Ratio Lower Upper

77 100

97 21.8 11.2 33.6



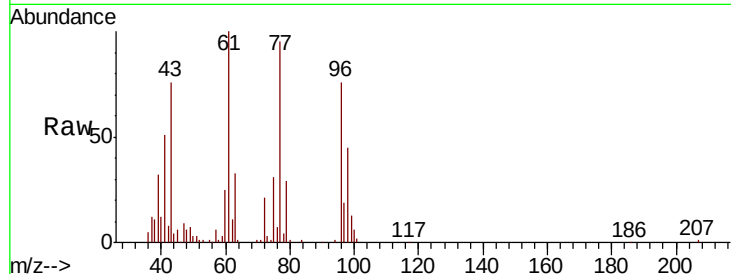


#27

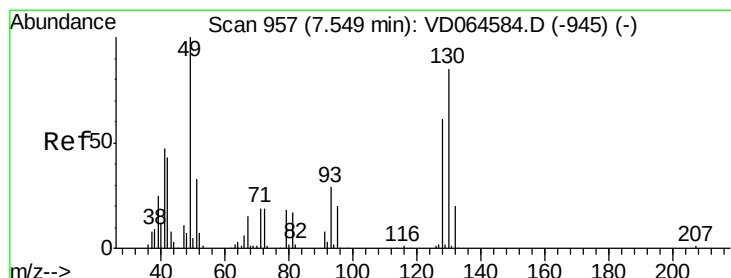
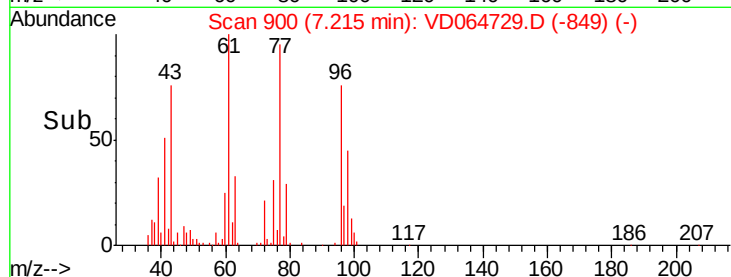
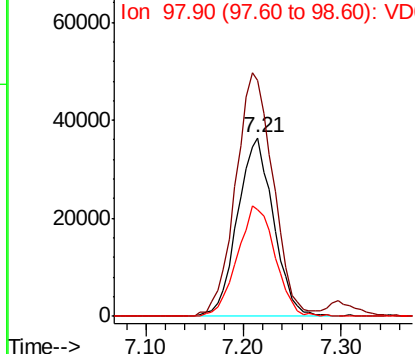
cis-1,2-Dichloroethene
 Concen: 20.509 ug/l
 RT: 7.21 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: VD064729.D
 Acq: 03 Jan 2020 12:44

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion: 96 Resp: 93572
 Ion Ratio Lower Upper
 96 100
 61 141.5 0.0 282.6
 98 64.5 0.0 130.8



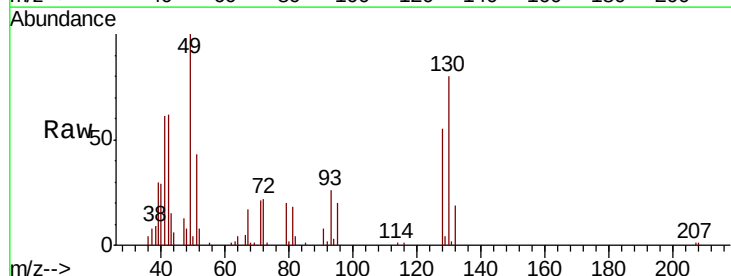
Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.90 (60.60 to 61.60): VDC
 Ion 97.90 (97.60 to 98.60): VDC



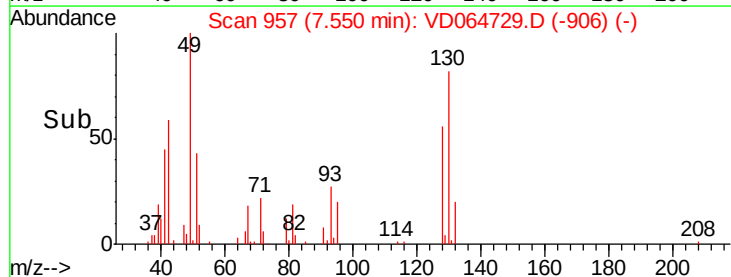
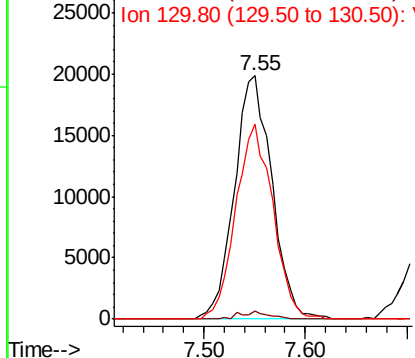
#28

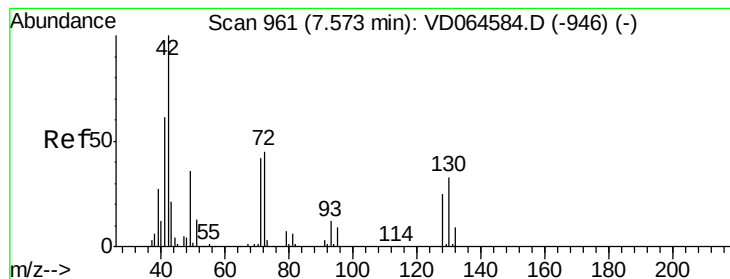
Bromochloromethane
 Concen: 18.895 ug/l
 RT: 7.55 min Scan# 957
 Delta R.T. 0.00 min
 Lab File: VD064729.D
 Acq: 03 Jan 2020 12:44

Tgt Ion: 49 Resp: 50901
 Ion Ratio Lower Upper
 49 100
 129 2.5 0.0 4.8
 130 79.3 65.0 97.6



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





#29

Tetrahydrofuran

Concen: 106.624 ug/l

RT: 7.57 min Scan# 960

Delta R.T. -0.01 min

Lab File: VD064729.D

Acq: 03 Jan 2020 12:44

Instrument :

MSVOA_D

ClientSampleId :

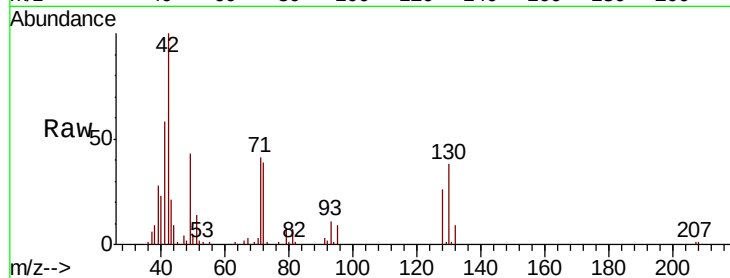
Tot Ion: 42 Resp: 67811

Ion Ratio Lower Upper

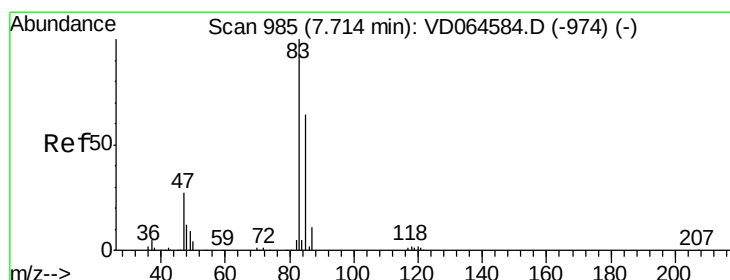
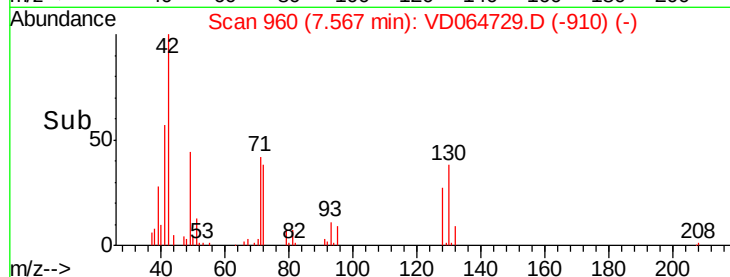
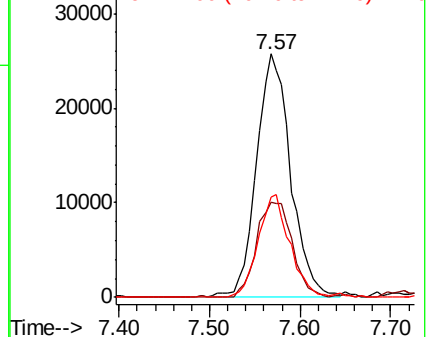
42 100

72 40.5 35.0 52.4

71 38.8 32.9 49.3



Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC



#30

Chloroform

Concen: 20.539 ug/l

RT: 7.71 min Scan# 985

Delta R.T. 0.00 min

Lab File: VD064729.D

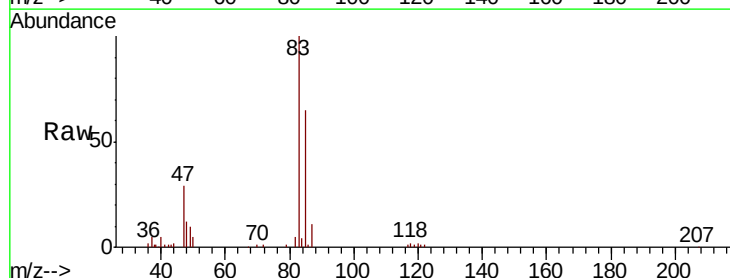
Acq: 03 Jan 2020 12:44

Tgt Ion: 83 Resp: 149338

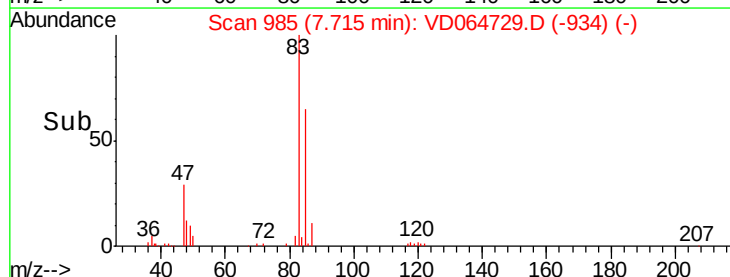
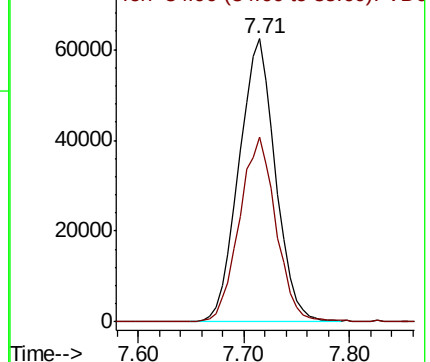
Ion Ratio Lower Upper

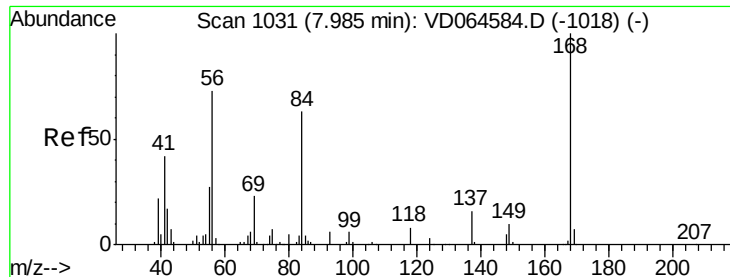
83 100

85 65.3 51.1 76.7



Abundance Ion 82.90 (82.60 to 83.60): VDC
Ion 84.90 (84.60 to 85.60): VDC

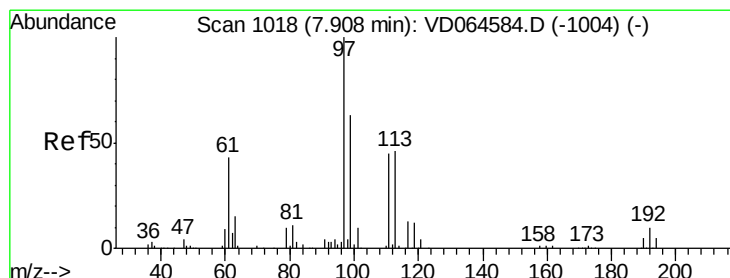
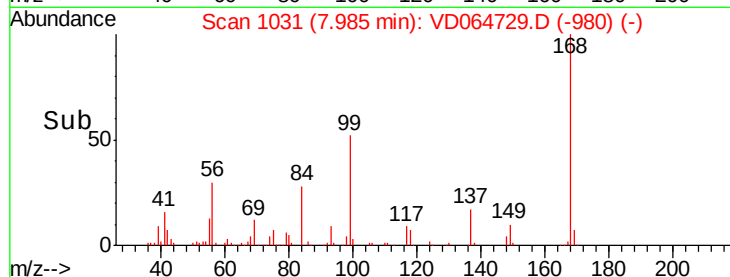
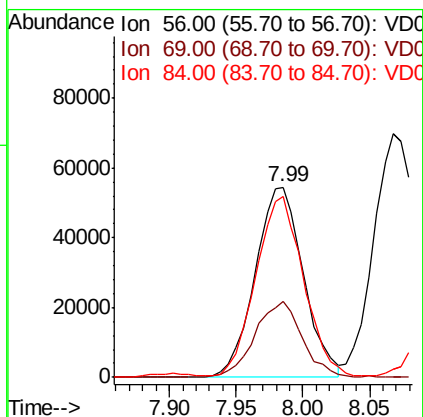
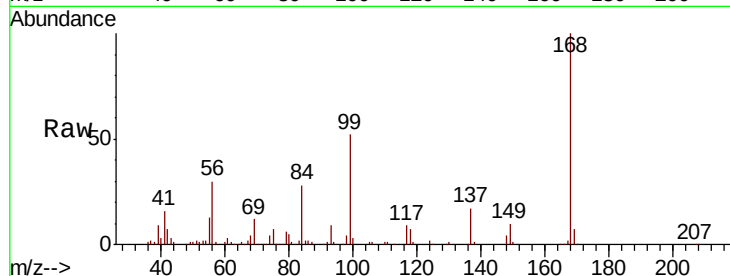




#31
Cyclohexane
Concen: 19.695 ug/l
RT: 7.99 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD064729.D
Acq: 03 Jan 2020 12:44

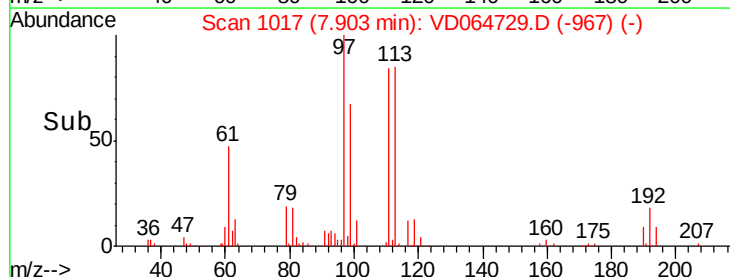
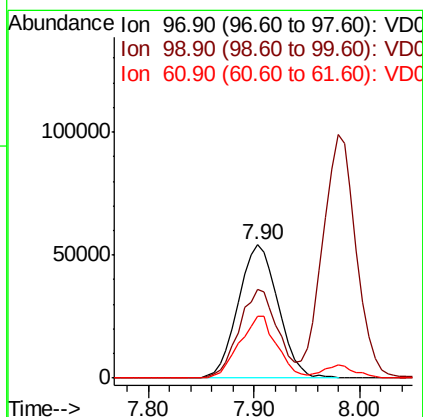
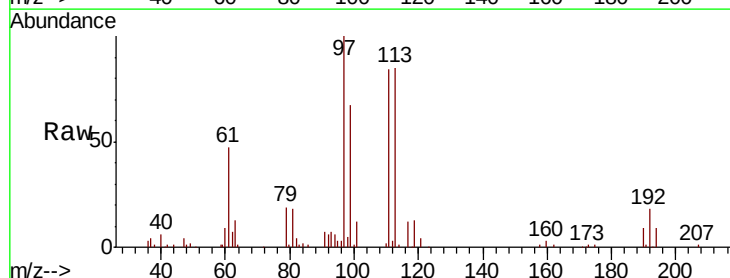
Instrument :
MSVOA_D
ClientSampleId :

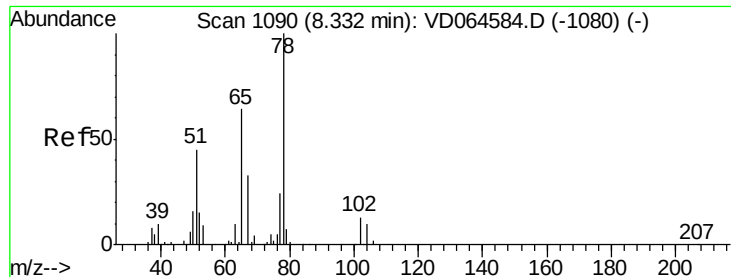
Tot Ion: 56 Resp: 136627
Ion Ratio Lower Upper
56 100
69 39.8 24.7 37.1#
84 93.4 69.4 104.2



#32
1,1,1-Trichloroethane
Concen: 20.832 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. -0.01 min
Lab File: VD064729.D
Acq: 03 Jan 2020 12:44

Tgt Ion: 97 Resp: 142270
Ion Ratio Lower Upper
97 100
99 64.0 51.0 76.6
61 43.7 35.4 53.0

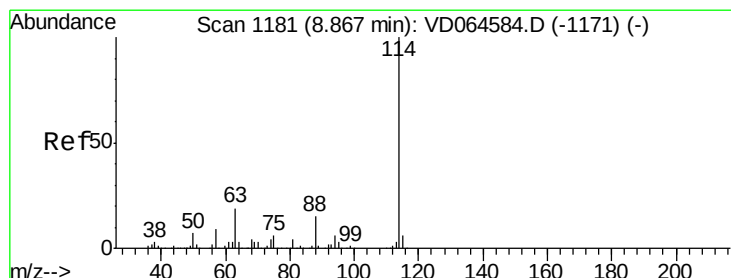
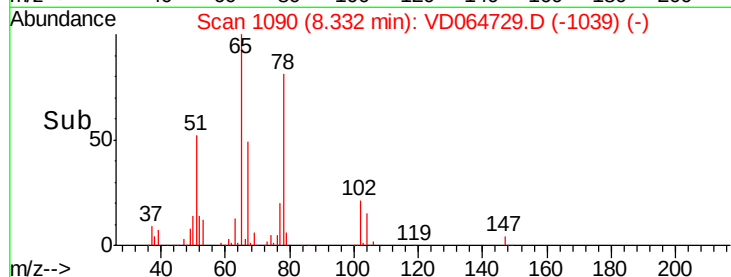
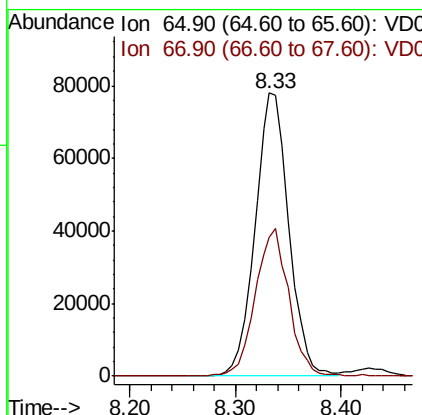
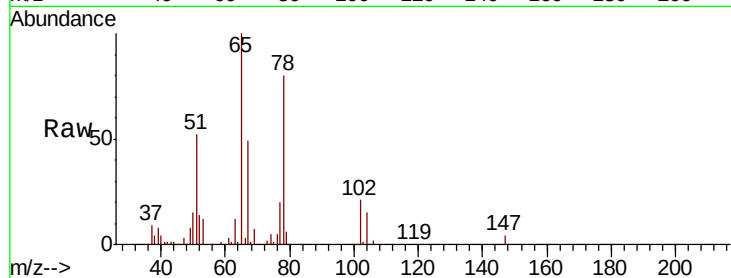




#33
 1,2-Dichloroethane-d4
 Concen: 46.332 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. 0.00 min
 Lab File: VD064729.D
 Acq: 03 Jan 2020 12:44

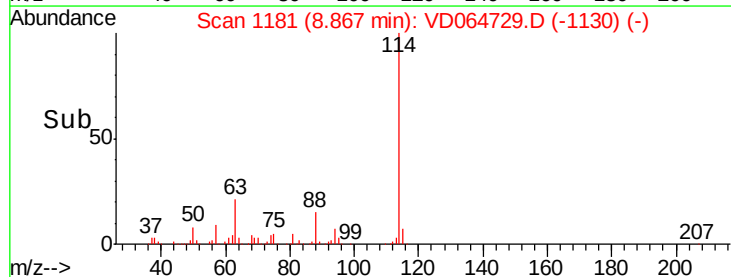
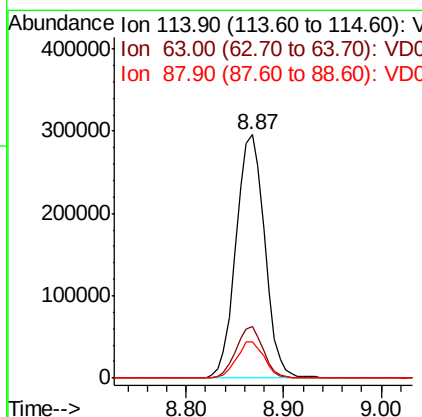
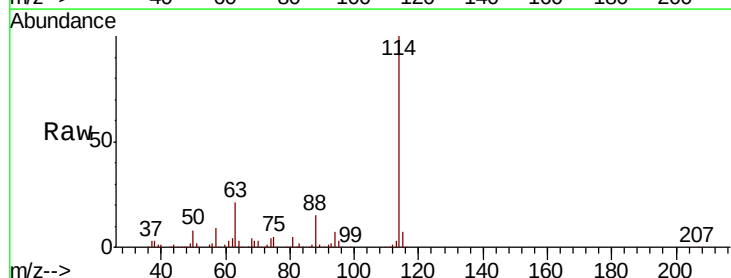
Instrument :
 MSVOA_D
 ClientSampled :

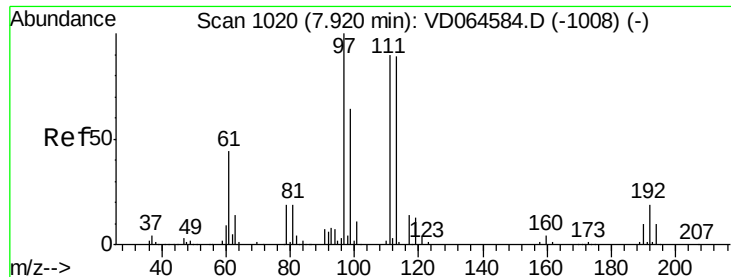
Tot Ion: 65 Resp: 172378
 Ion Ratio Lower Upper
 65 100
 67 51.6 0.0 106.2



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

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

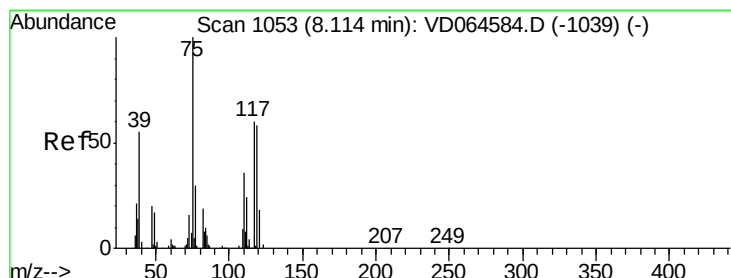
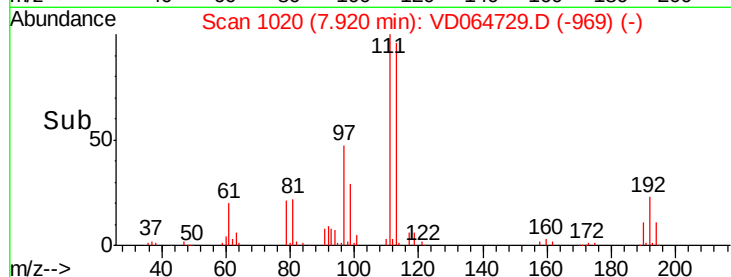
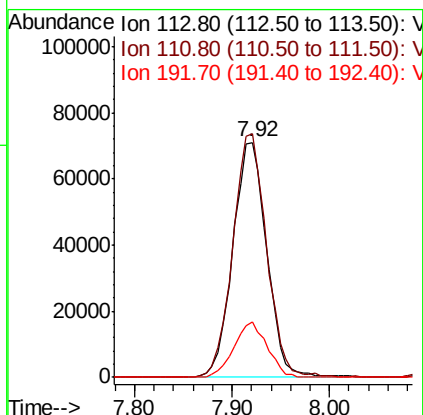
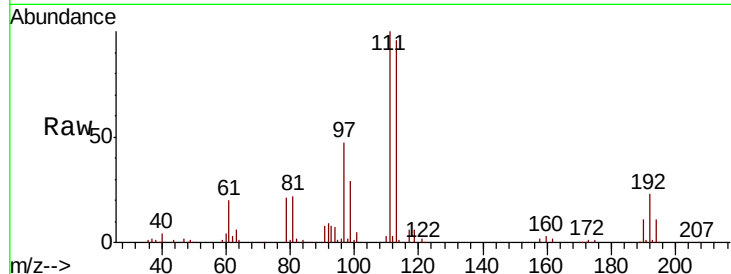




#35
 Dibromofluoromethane
 Concen: 45.847 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD064729.D
 Acq: 03 Jan 2020 12:44

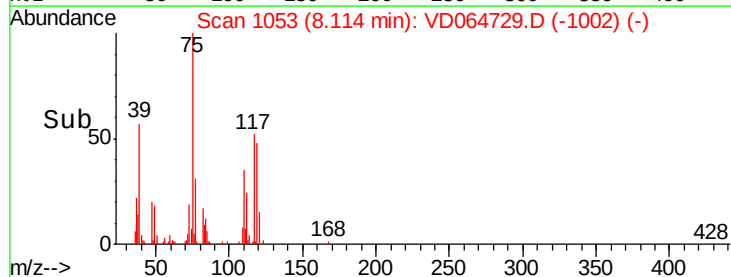
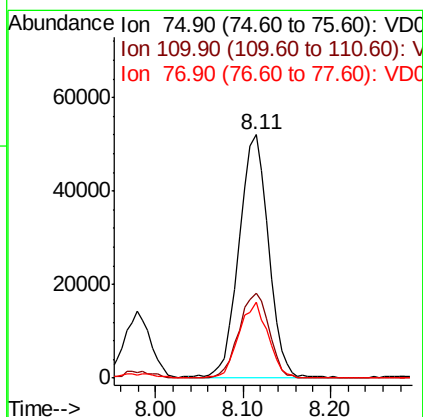
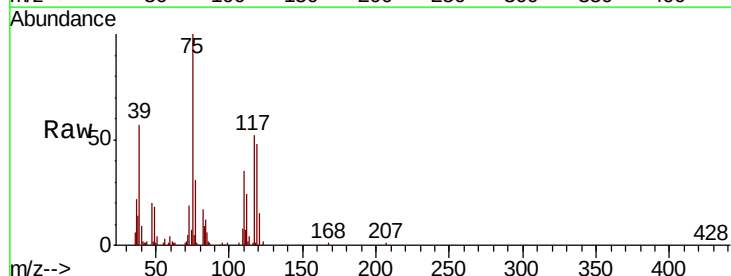
Instrument :
 MSVOA_D
 ClientSampled :

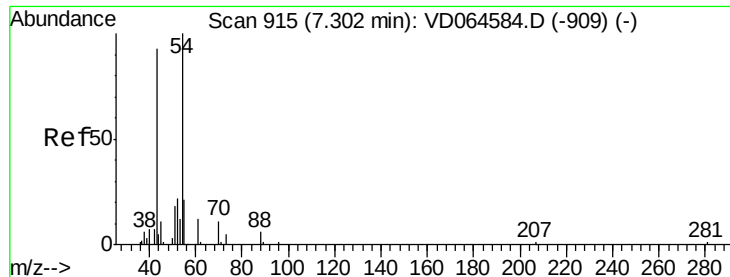
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.3	80.6	121.0
192	23.3	17.9	26.9



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

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

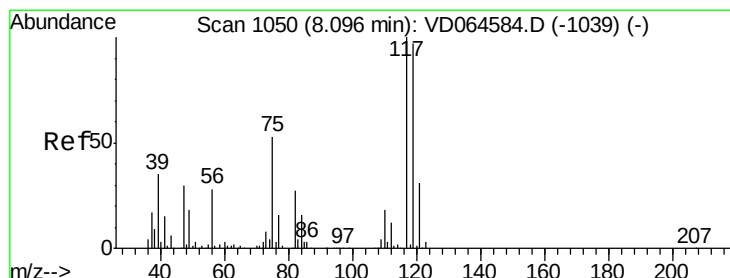
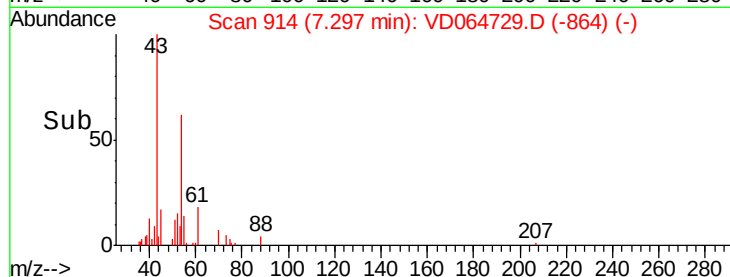
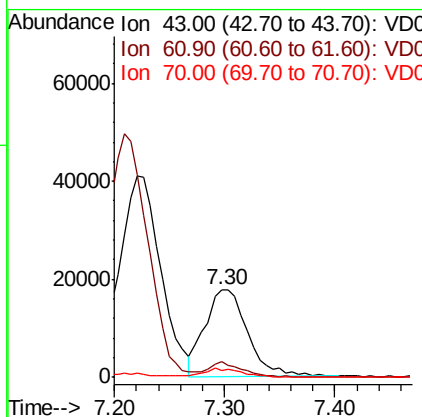
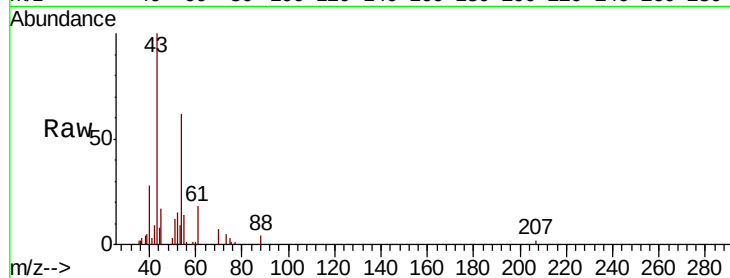




#37
Ethyl Acetate
Concen: 20.443 ug/l
RT: 7.30 min Scan# 914
Delta R.T. -0.01 min
Lab File: VD064729.D
Acq: 03 Jan 2020 12:44

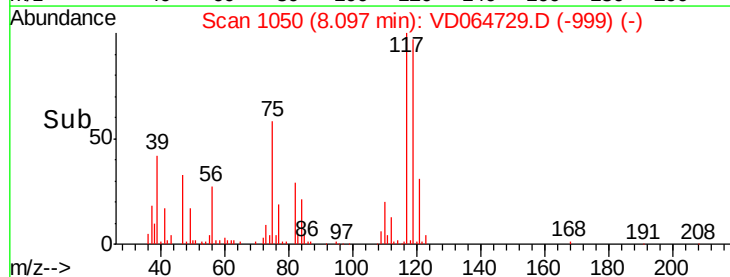
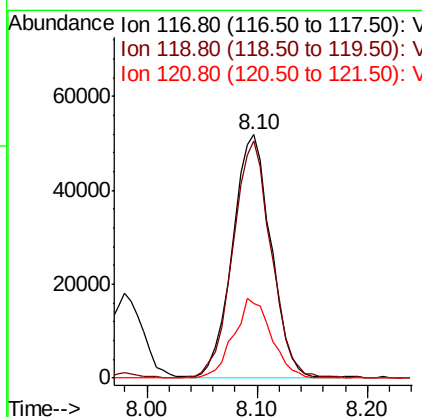
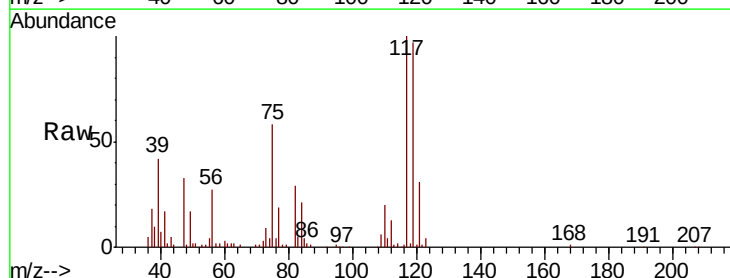
Instrument :
MSVOA_D
ClientSampleId :

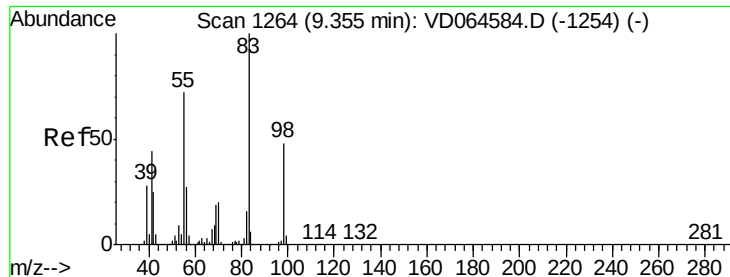
Tot Ion: 43 Resp: 47067
Ion Ratio Lower Upper
43 100
61 13.9 10.3 15.5
70 9.6 7.6 11.4



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

Tgt Ion: 117 Resp: 125943
Ion Ratio Lower Upper
117 100
119 97.2 77.3 115.9
121 30.7 25.0 37.6

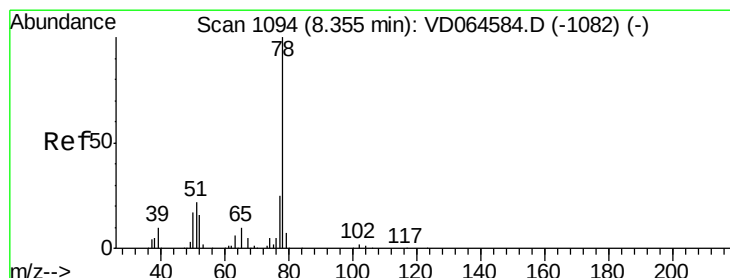
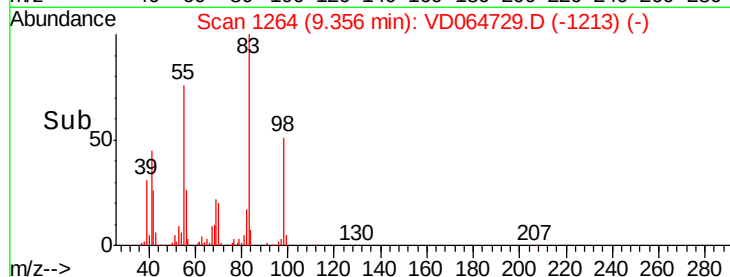
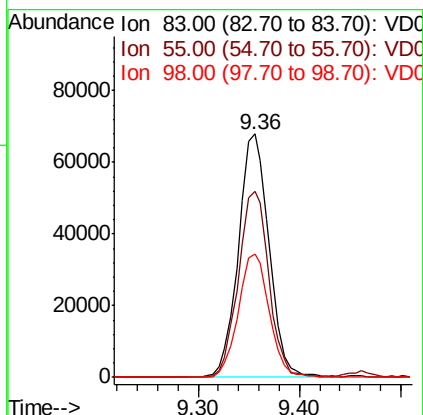
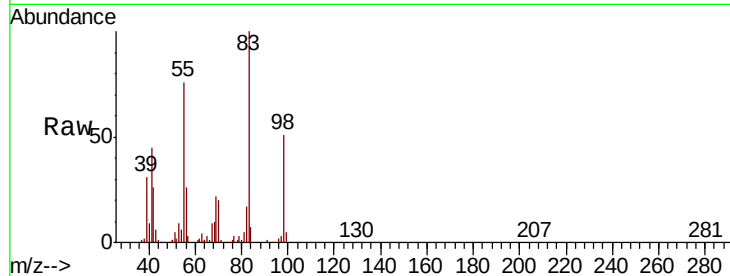




#39
Methylvlcyclohexane
Concen: 20.059 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD064729.D
Acq: 03 Jan 2020 12:44

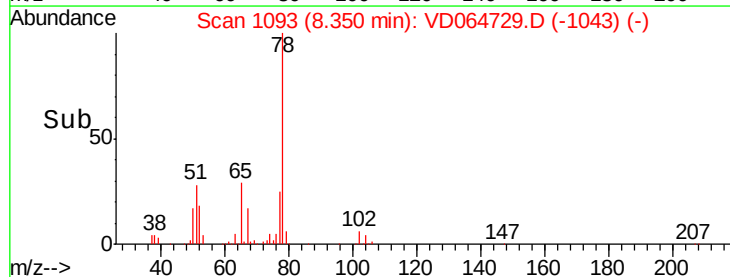
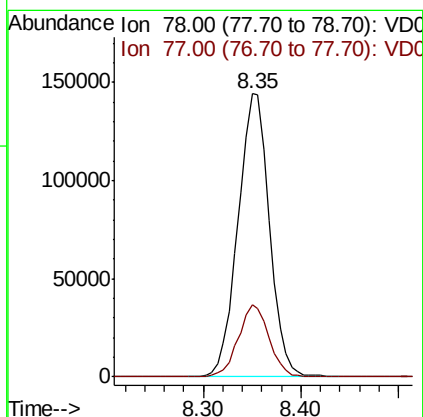
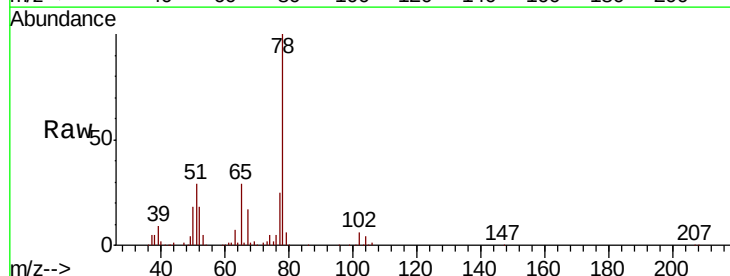
Instrument :
MSVOA_D
ClientSampled :

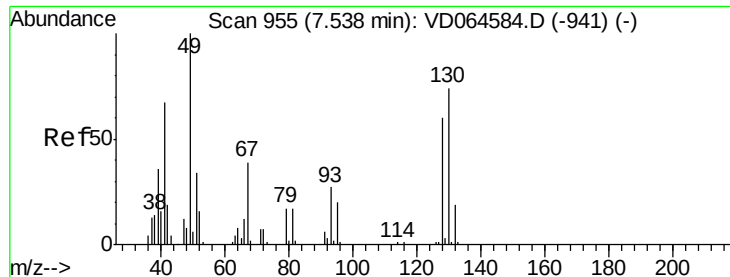
Tot Ion: 83 Resp: 142381
Ion Ratio Lower Upper
83 100
55 76.3 57.8 86.6
98 50.5 38.7 58.1



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

Tgt Ion: 78 Resp: 324973
Ion Ratio Lower Upper
78 100
77 25.4 19.9 29.9

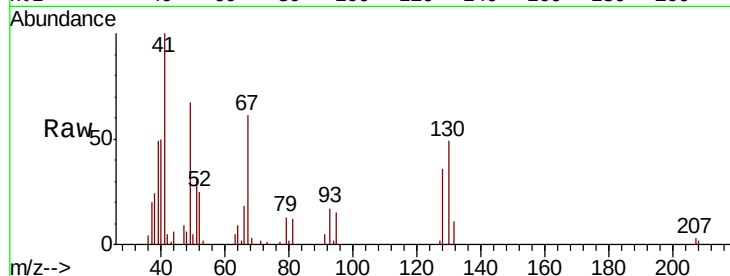




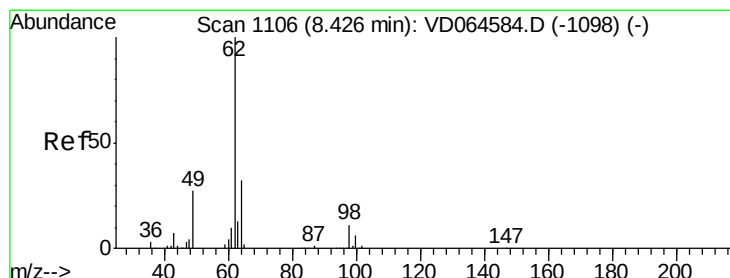
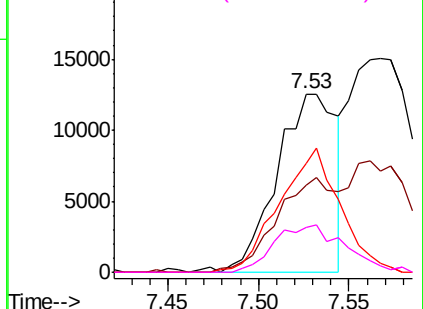
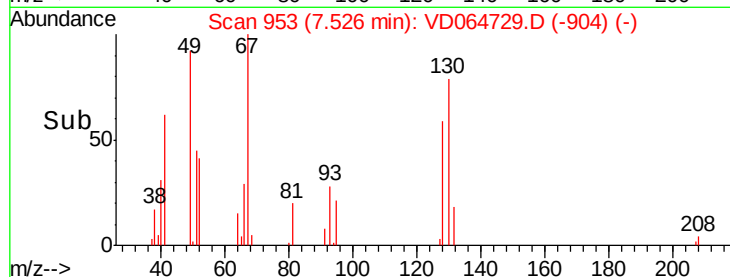
#41
Methacrylonitrile
Concen: 21.627 ug/l
RT: 7.53 min Scan# 953
Delta R.T. -0.01 min
Lab File: VD064729.D
Acq: 03 Jan 2020 12:44

Instrument :
MSVOA_D
ClientSampleId :

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

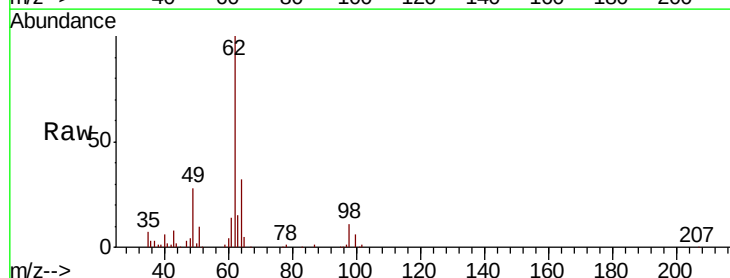


Abundance Ion 41.00 (40.70 to 41.70): VDC
Ion 39.00 (38.70 to 39.70): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

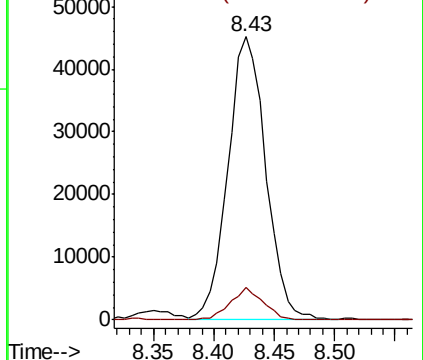
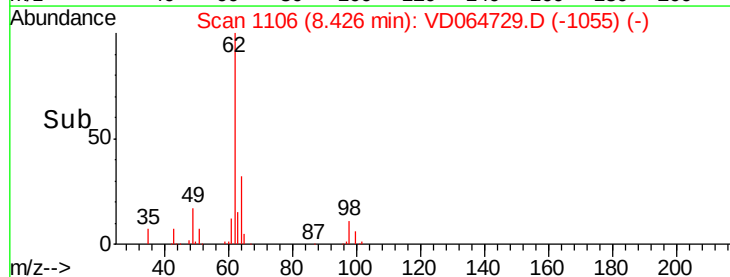


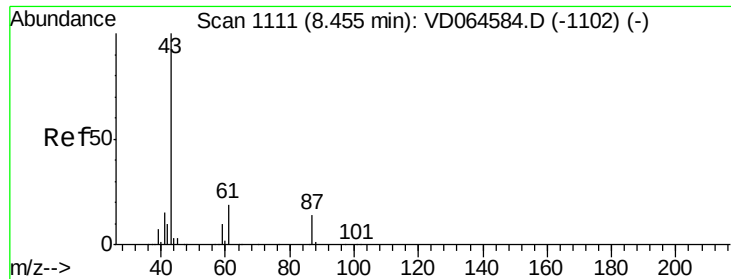
#42
1,2-Dichloroethane
Concen: 21.319 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. 0.00 min
Lab File: VD064729.D
Acq: 03 Jan 2020 12:44

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



Abundance Ion 61.90 (61.60 to 62.60): VDC
Ion 97.90 (97.60 to 98.60): VDC





#43

Isopropyl Acetate

Concen: 20.389 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. 0.00 min

Lab File: VD064729.D

Acq: 03 Jan 2020 12:44

Instrument :

MSVOA_D

ClientSampleId :

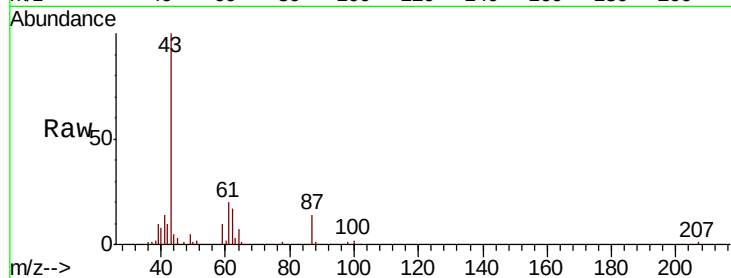
Tot Ion: 43 Resp: 93435

Ion Ratio Lower Upper

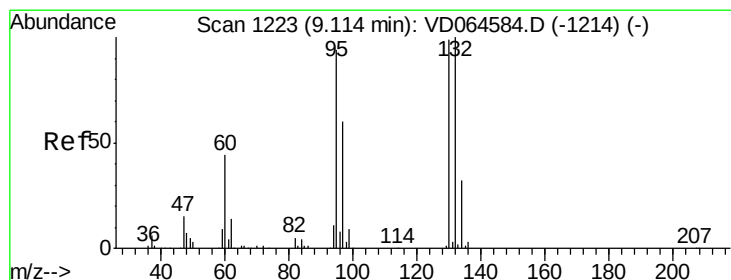
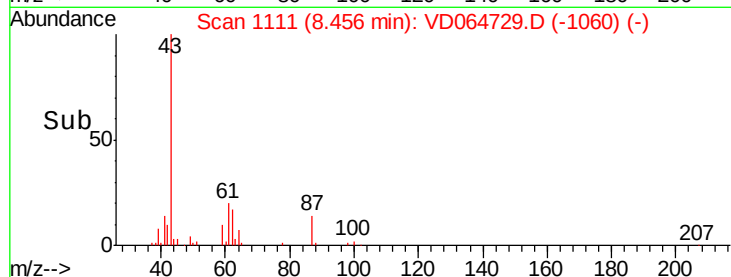
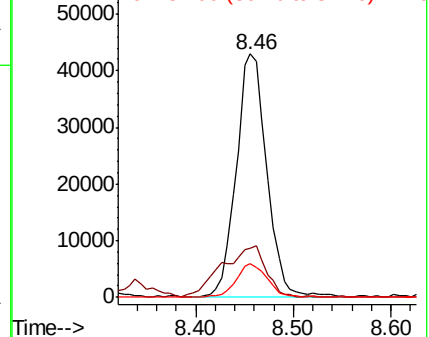
43 100

61 30.3 23.7 35.5

87 13.7 10.5 15.7



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



#44

Trichloroethene

Concen: 20.245 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. 0.00 min

Lab File: VD064729.D

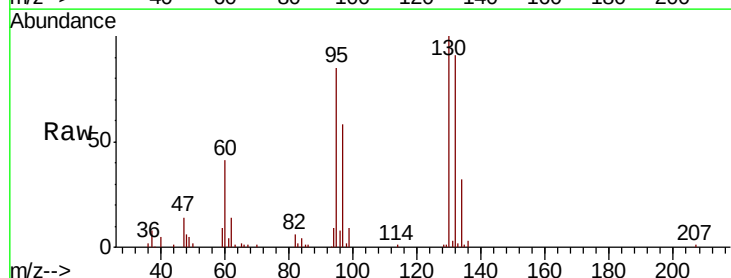
Acq: 03 Jan 2020 12:44

Tgt Ion: 130 Resp: 95152

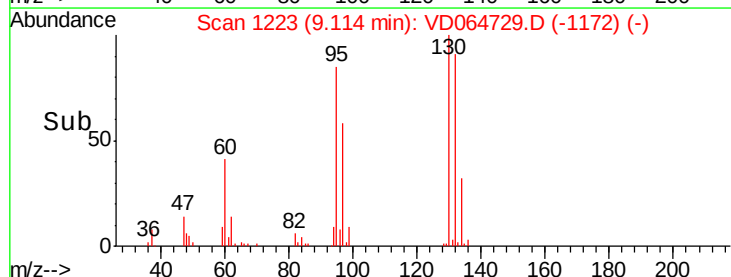
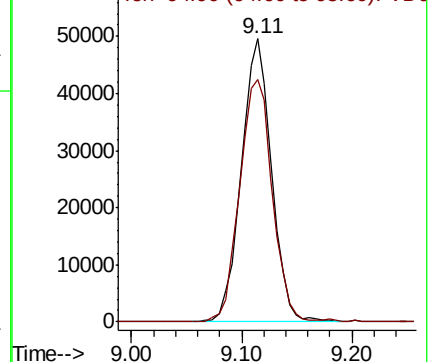
Ion Ratio Lower Upper

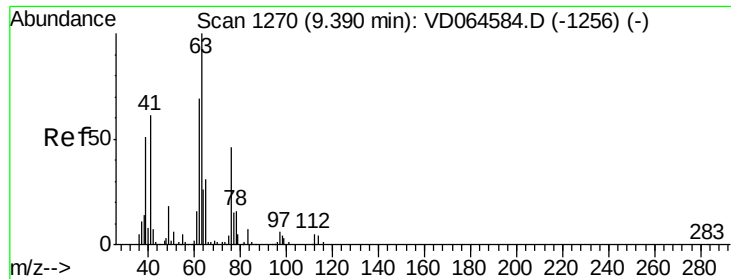
130 100

95 85.5 0.0 190.2



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

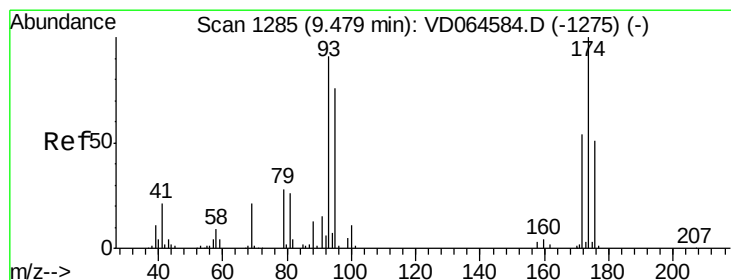
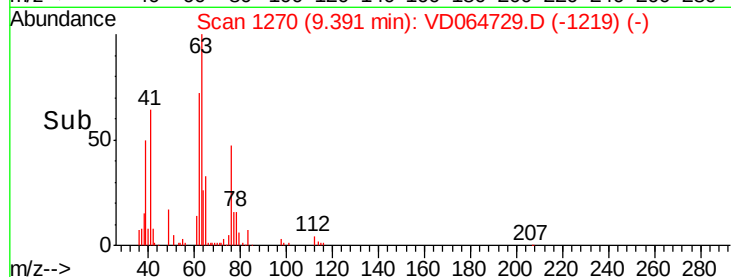
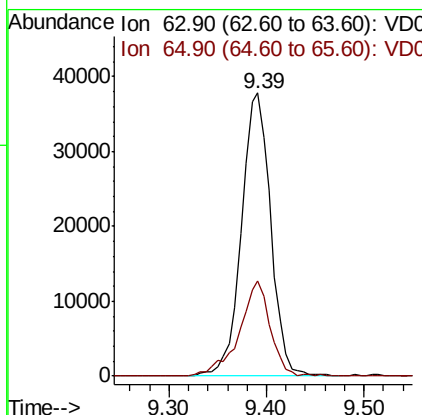
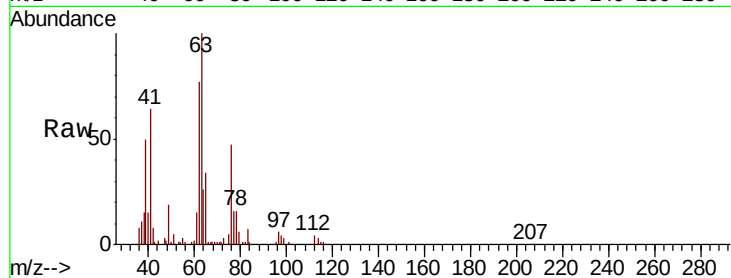




#45
 1,2-Dichloropropane
 Concen: 20.724 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VD064729.D
 Acq: 03 Jan 2020 12:44

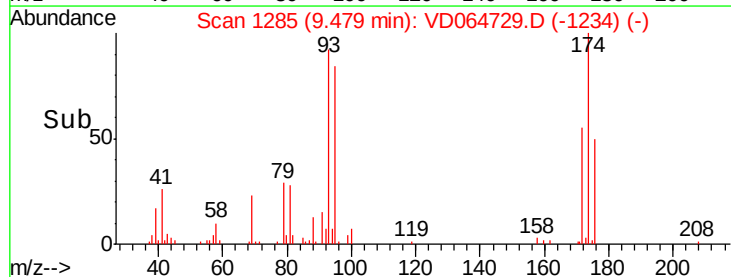
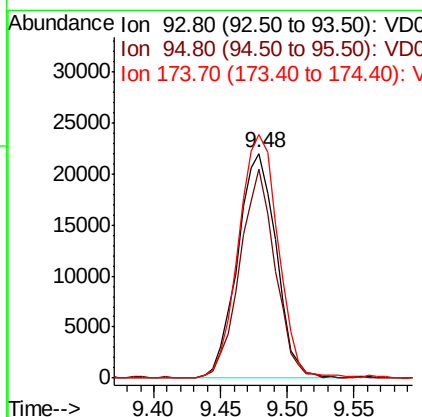
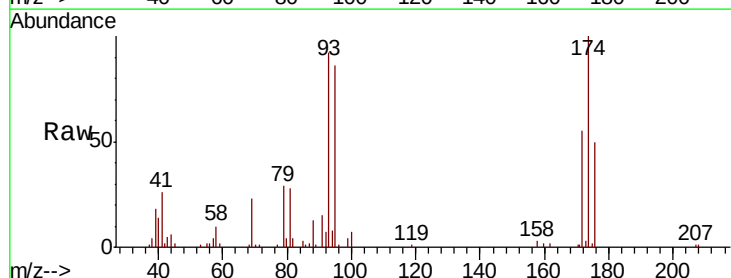
Instrument :
 MSVOA_D
 ClientSampleId :

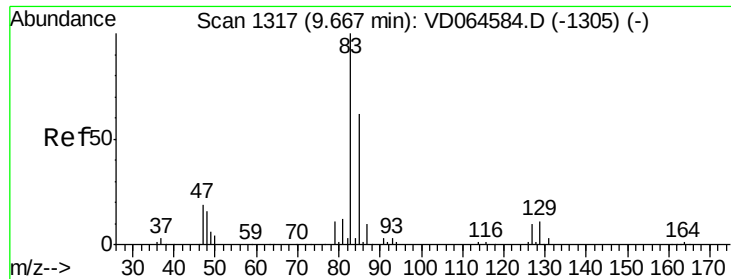
Tot Ion: 63 Resp: 79165
 Ion Ratio Lower Upper
 63 100
 65 33.7 25.2 37.8



#46
 Dibromomethane
 Concen: 20.752 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. 0.00 min
 Lab File: VD064729.D
 Acq: 03 Jan 2020 12:44

Tgt Ion: 93 Resp: 44197
 Ion Ratio Lower Upper
 93 100
 95 84.8 64.6 97.0
 174 111.2 88.1 132.1

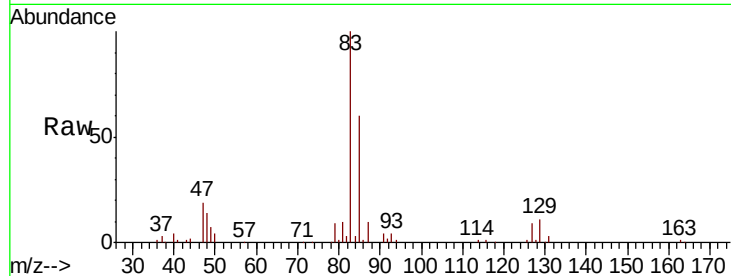




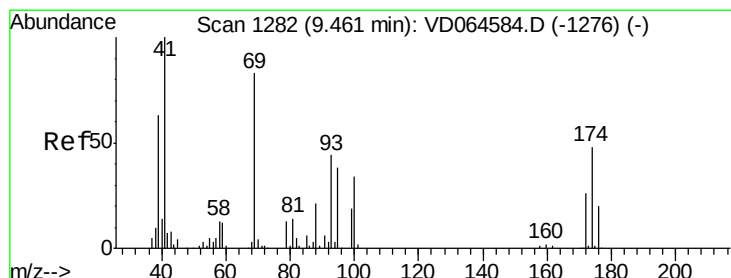
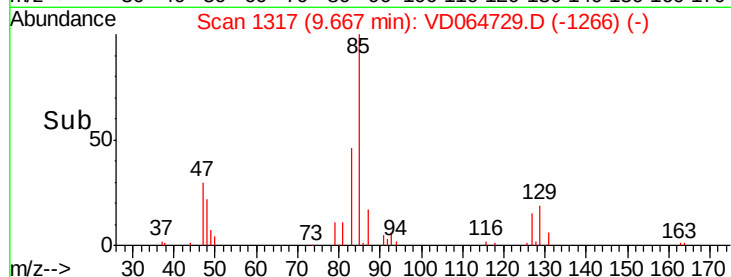
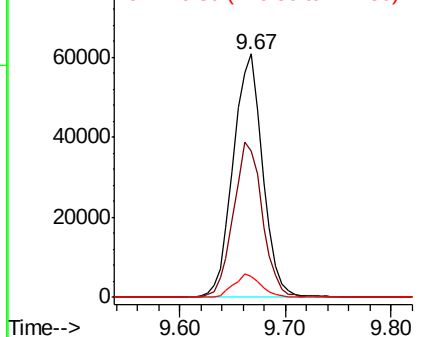
#47
Bromodichloromethane
Concen: 20.730 ug/l
RT: 9.67 min Scan# 1317
Delta R.T. 0.00 min
Lab File: VD064729.D
Acq: 03 Jan 2020 12:44

Instrument :
MSVOA_D
ClientSampleId :

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

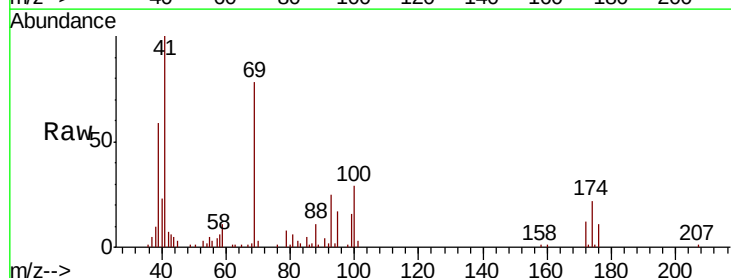


Abundance Ion 82.90 (82.60 to 83.60): VDC
Ion 84.90 (84.60 to 85.60): VDC
Ion 126.80 (126.50 to 127.50): VDC

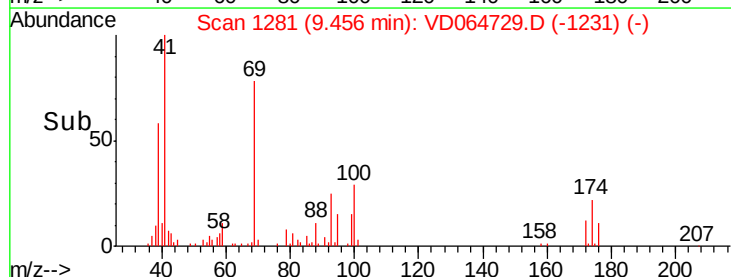
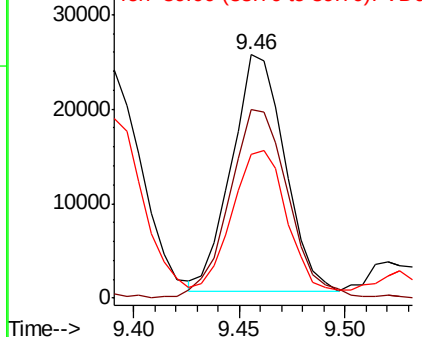


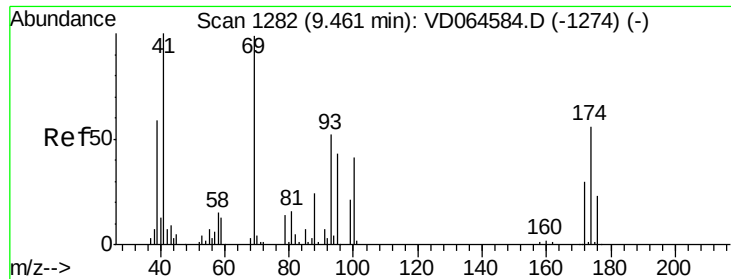
#48
Methyl methacrylate
Concen: 20.261 ug/l
RT: 9.46 min Scan# 1281
Delta R.T. -0.01 min
Lab File: VD064729.D
Acq: 03 Jan 2020 12:44

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



Abundance Ion 41.00 (40.70 to 41.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 39.00 (38.70 to 39.70): VDC

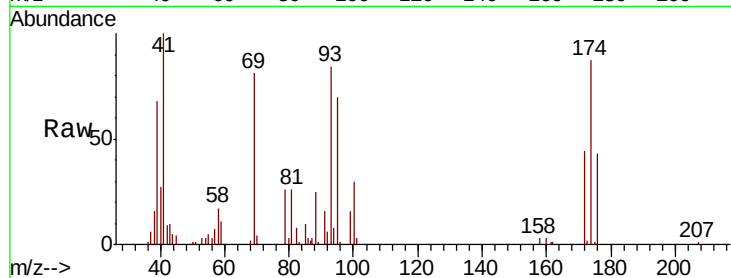




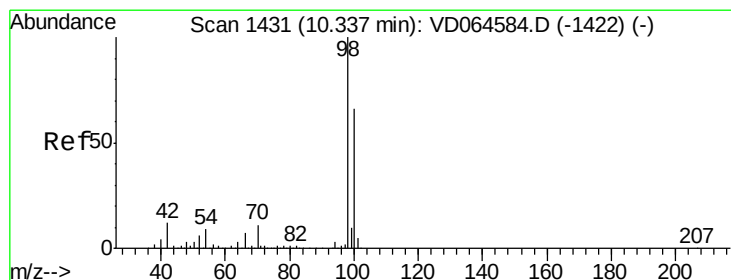
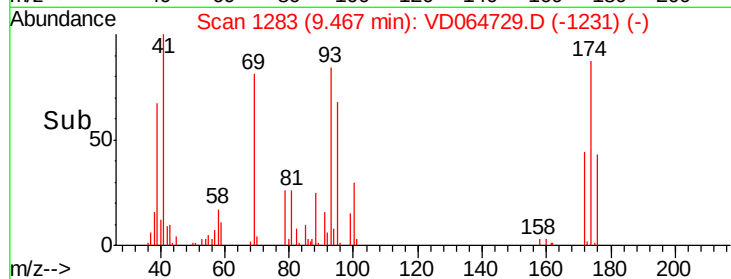
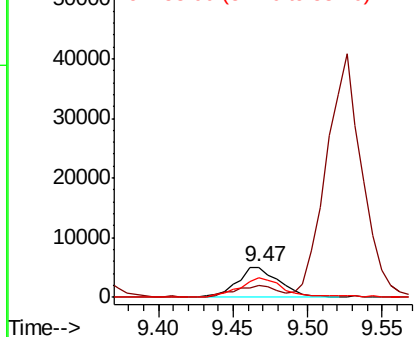
#49
1,4-Dioxane
Concen: 401.429 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. 0.01 min
Lab File: VD064729.D
Acq: 03 Jan 2020 12:44

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 88 Resp: 9858
Ion Ratio Lower Upper
88 100
43 38.0 27.7 41.5
58 66.0 53.8 80.6

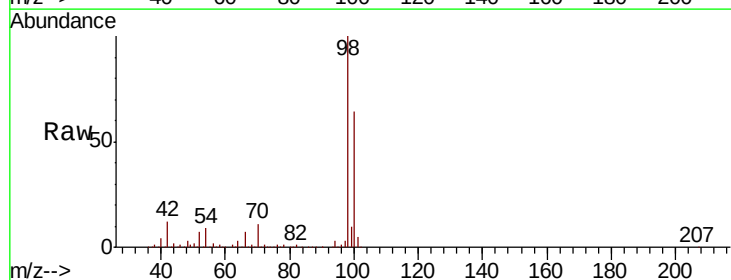


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.00 (42.70 to 43.70): VDC
Ion 58.00 (57.70 to 58.70): VDC

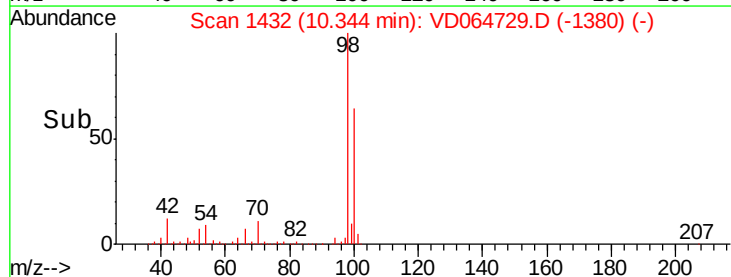
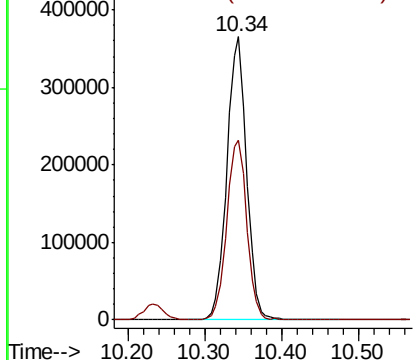


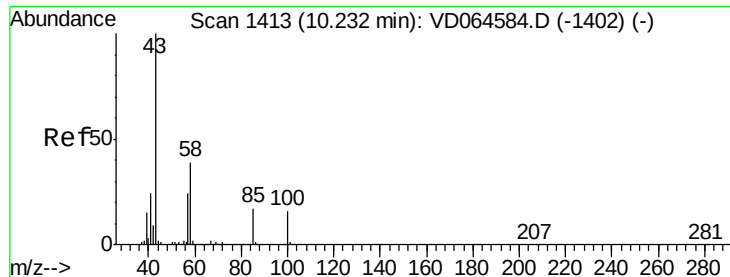
#50
Toluene-d8
Concen: 45.590 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.01 min
Lab File: VD064729.D
Acq: 03 Jan 2020 12:44

Tgt Ion: 98 Resp: 652259
Ion Ratio Lower Upper
98 100
100 64.9 51.7 77.5



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





#51

4-Methyl-2-Pentanone

Concen: 102.765 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. 0.00 min

Lab File: VD064729.D

Acq: 03 Jan 2020 12:44

Instrument :

MSVOA_D

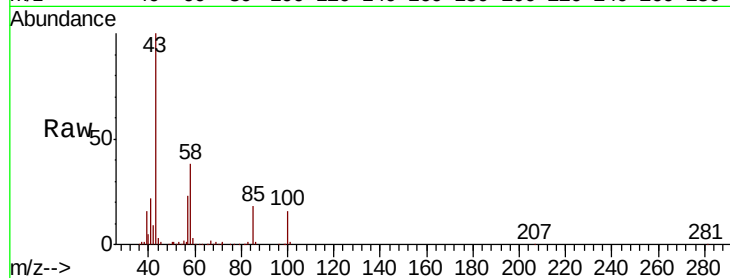
ClientSampled :

Tot Ion: 43 Resp: 232771

Ion Ratio Lower Upper

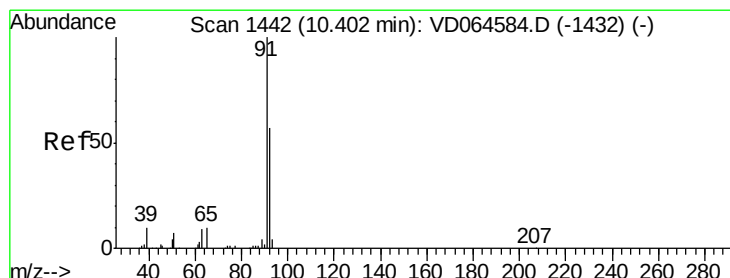
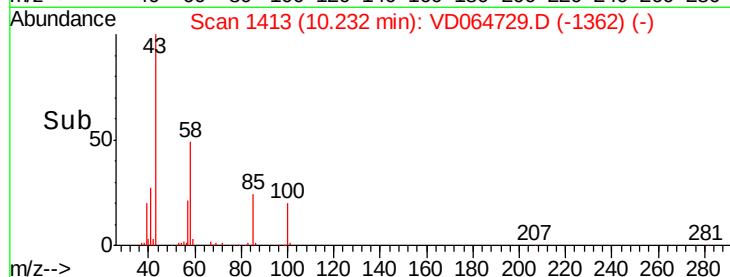
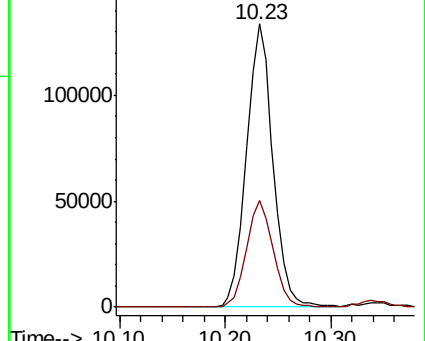
43 100

58 38.0 30.2 45.2



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#52

Toluene

Concen: 20.286 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. 0.01 min

Lab File: VD064729.D

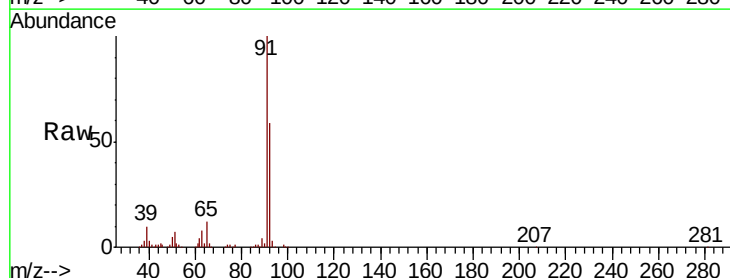
Acq: 03 Jan 2020 12:44

Tgt Ion: 92 Resp: 212929

Ion Ratio Lower Upper

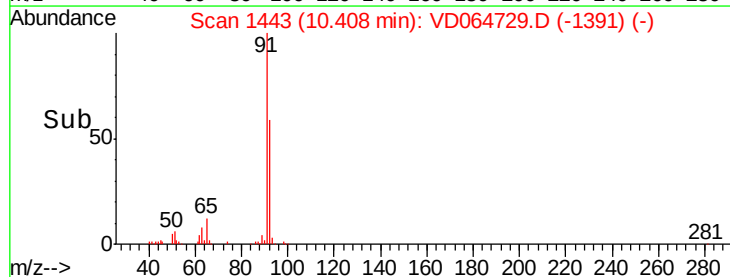
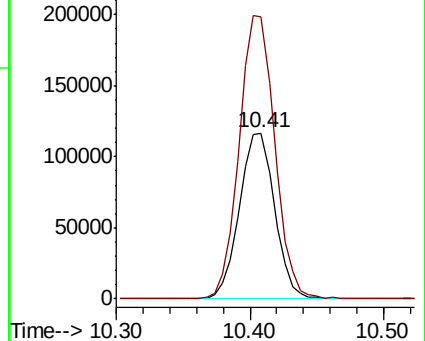
92 100

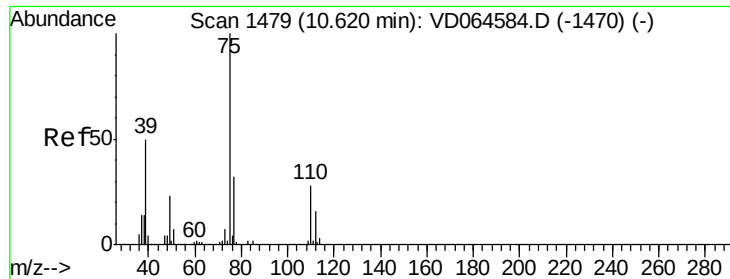
91 172.3 138.7 208.1



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

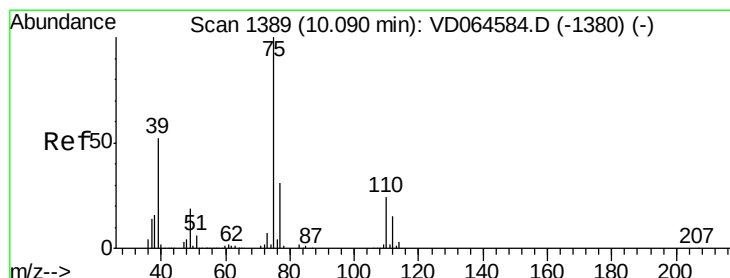
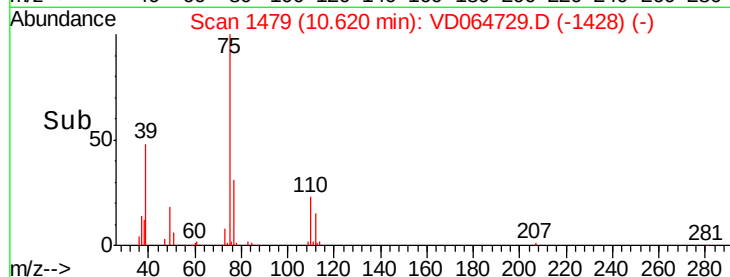
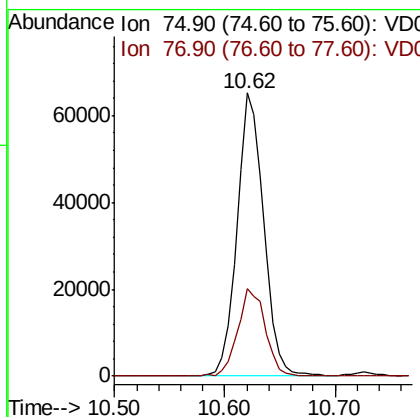
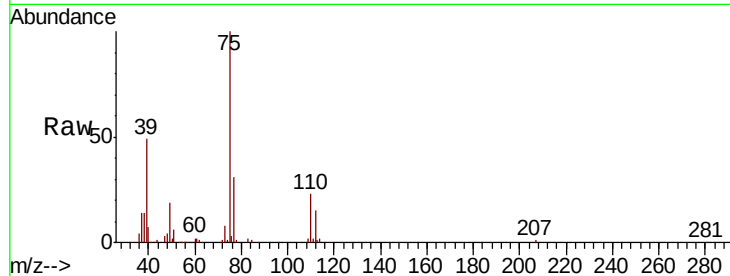




#53
t-1,3-Dichloropropene
Concen: 20.942 ug/l
RT: 10.62 min Scan# 1479
Delta R.T. 0.00 min
Lab File: VD064729.D
Acq: 03 Jan 2020 12:44

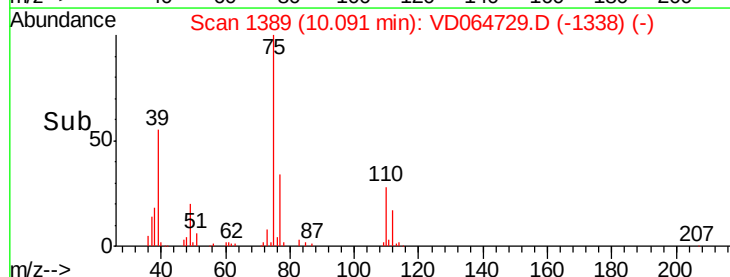
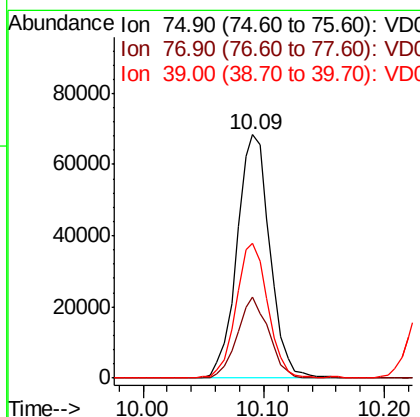
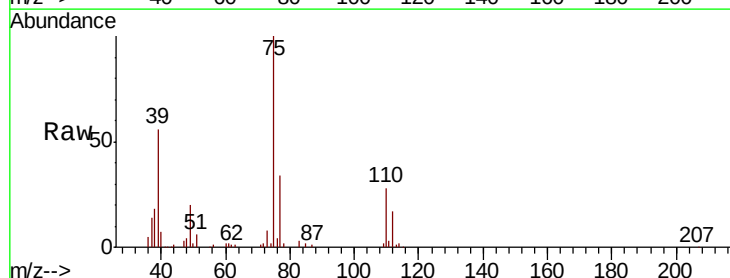
Instrument :
MSVOA_D
ClientSampleId :

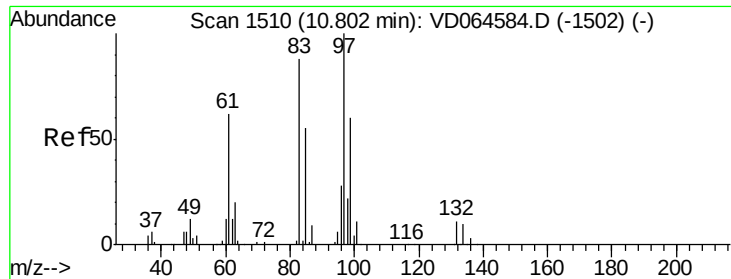
Tot Ion: 75 Resp: 110651
Ion Ratio Lower Upper
75 100
77 31.0 25.4 38.2



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

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

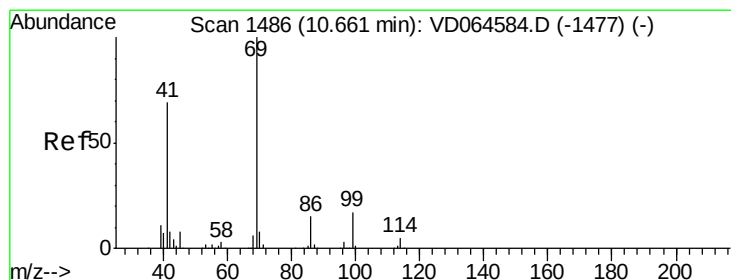
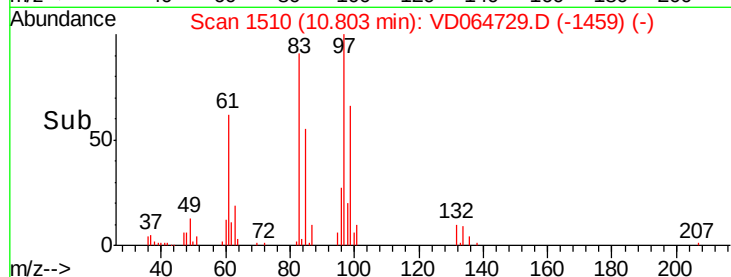
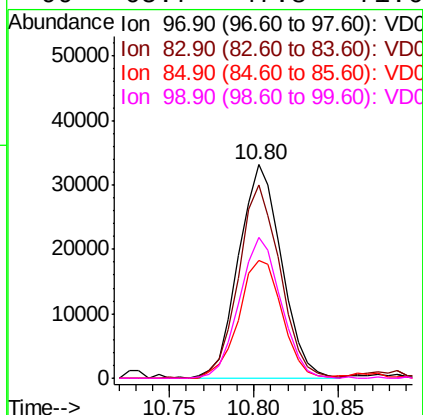
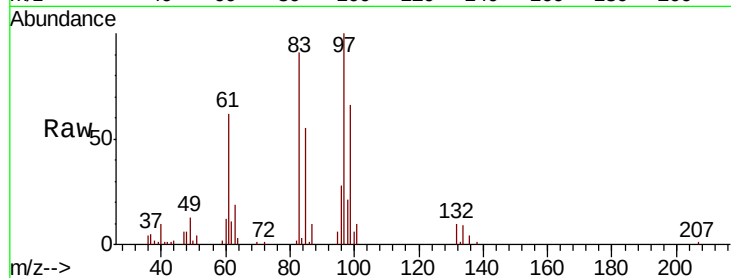




#55
 1,1,2-Trichloroethane
 Concen: 20.457 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. 0.00 min
 Lab File: VD064729.D
 Acq: 03 Jan 2020 12:44

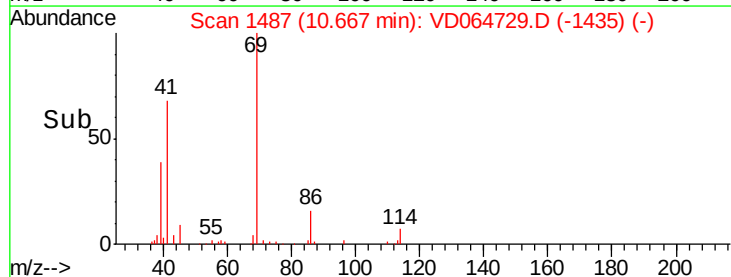
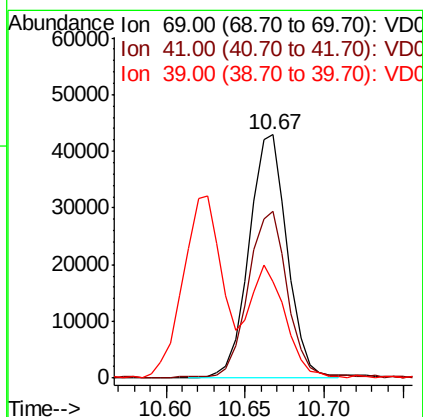
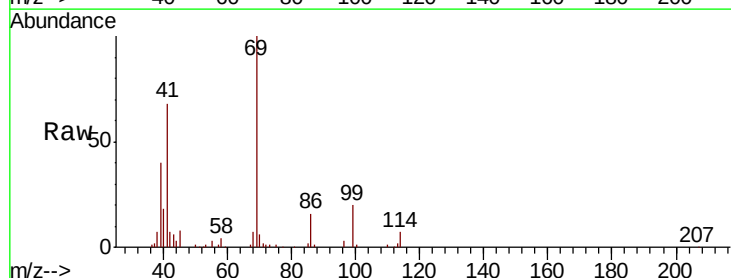
Instrument :
 MSVOA_D
 ClientSampleId :

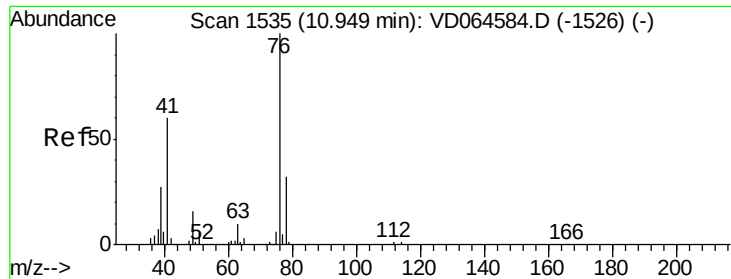
Tot Ion: 97 Resp: 58714
 Ion Ratio Lower Upper
 97 100
 83 90.8 70.2 105.4
 85 55.1 44.0 66.0
 99 65.7 47.8 71.6



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

Tgt Ion: 69 Resp: 71679
 Ion Ratio Lower Upper
 69 100
 41 71.5 55.3 82.9
 39 44.2 33.8 50.8





#57

1,3-Dichloropropane

Concen: 20.696 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. 0.00 min

Lab File: VD064729.D

Acq: 03 Jan 2020 12:44

Instrument :

MSVOA_D

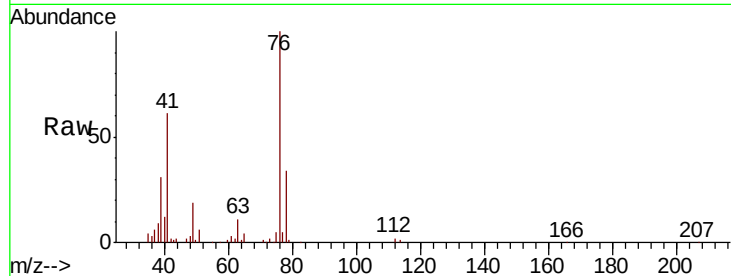
ClientSampled :

Tot Ion: 76 Resp: 102277

Ion Ratio Lower Upper

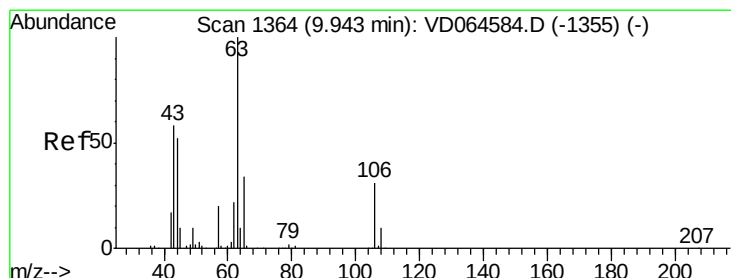
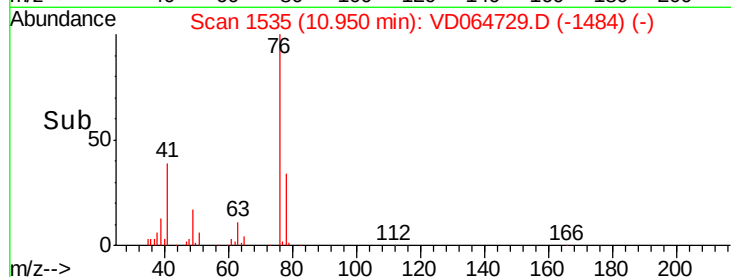
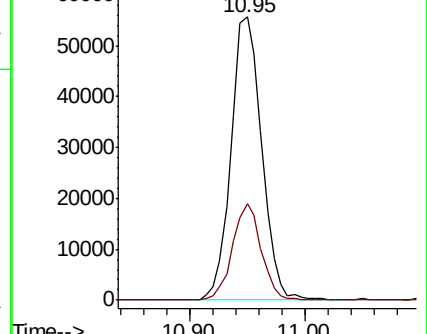
76 100

78 32.0 26.2 39.4



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 104.842 ug/l

RT: 9.94 min Scan# 1364

Delta R.T. 0.00 min

Lab File: VD064729.D

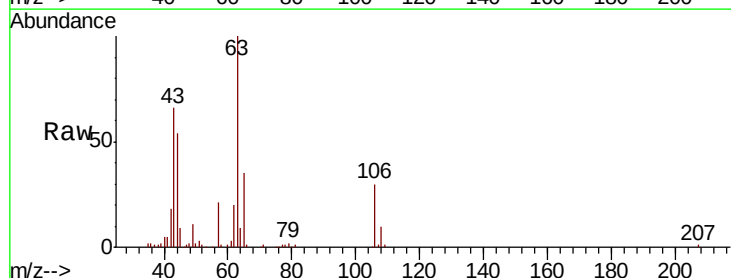
Acq: 03 Jan 2020 12:44

Tgt Ion: 63 Resp: 143178

Ion Ratio Lower Upper

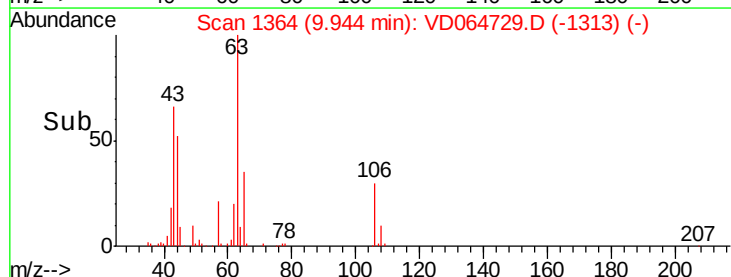
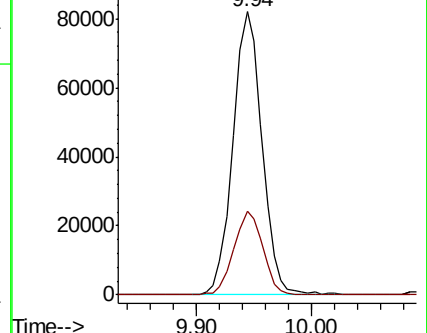
63 100

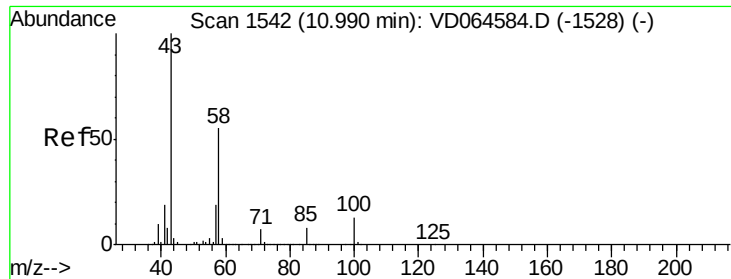
106 29.4 23.8 35.8



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 105.90 (105.60 to 106.60): V

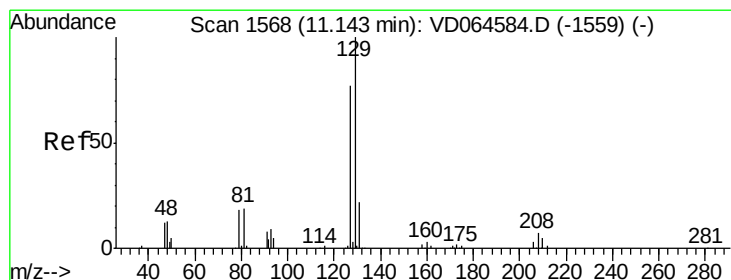
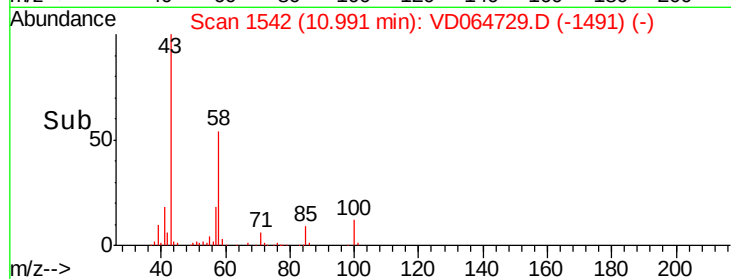
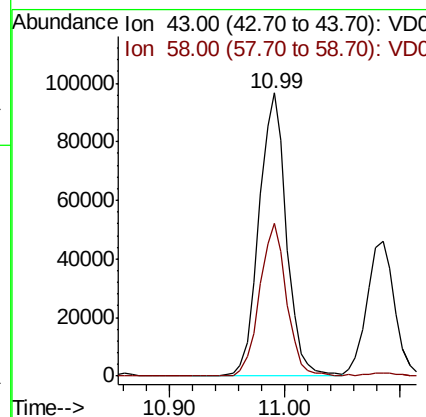
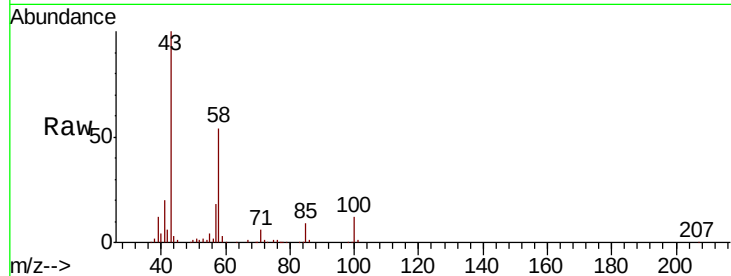




#59
2-Hexanone
Concen: 104.606 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD064729.D
Acq: 03 Jan 2020 12:44

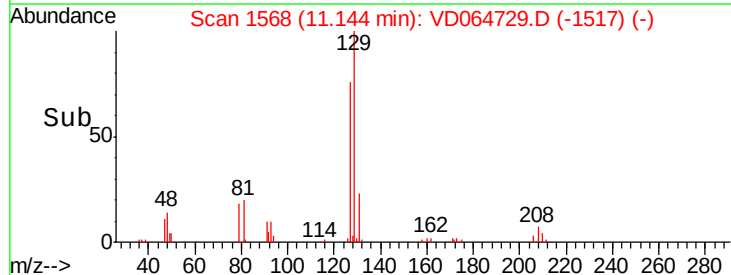
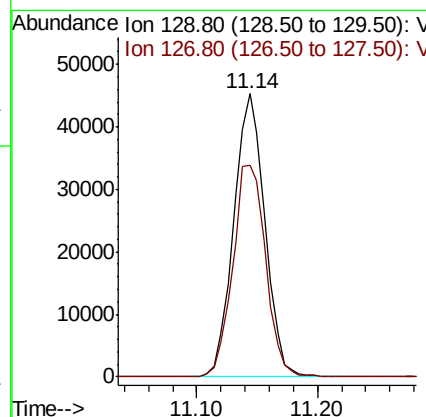
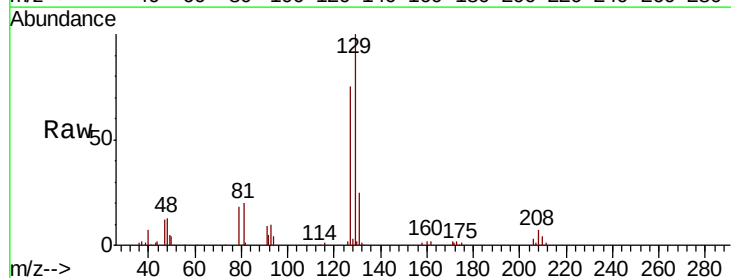
Instrument :
MSVOA_D
ClientSampleId :

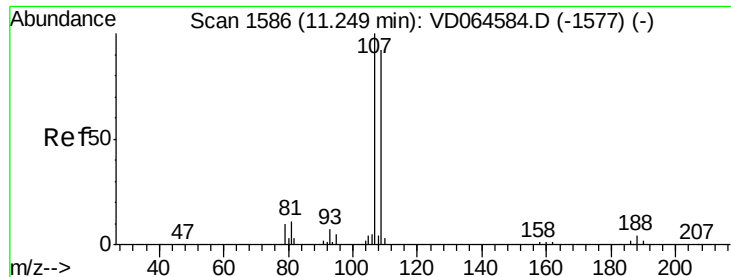
Tot Ion: 43 Resp: 160817
Ion Ratio Lower Upper
43 100
58 52.7 26.4 79.0



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

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

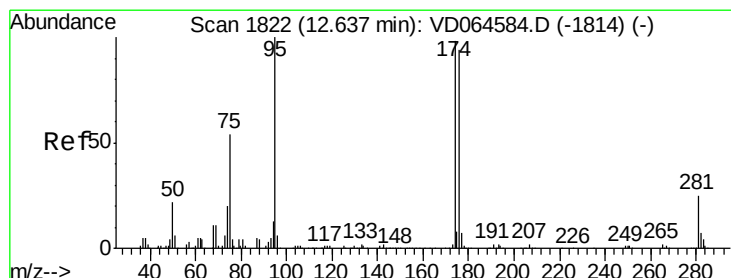
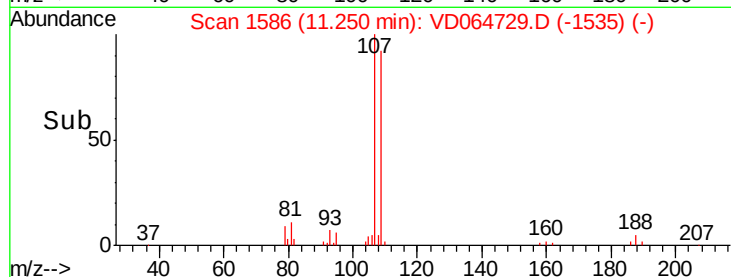
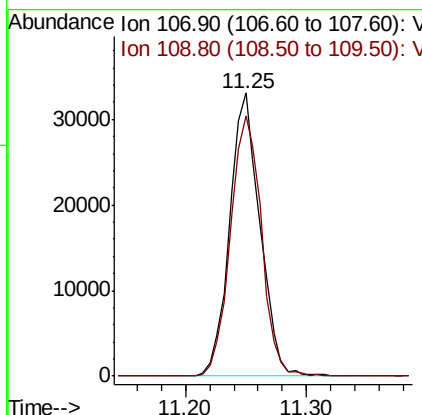
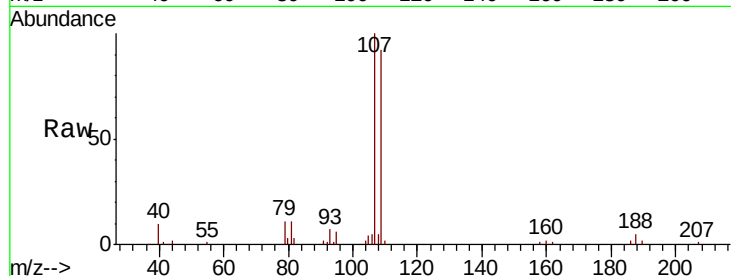




#61
 1,2-Dibromoethane
 Concen: 20.409 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD064729.D
 Acq: 03 Jan 2020 12:44

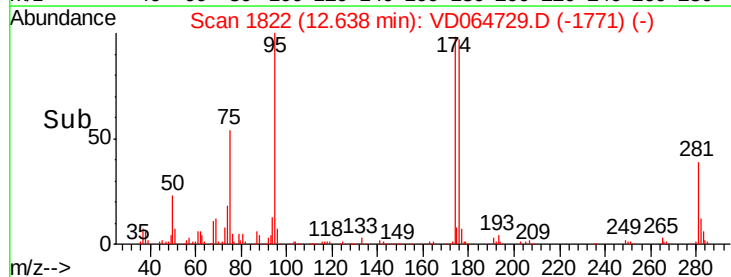
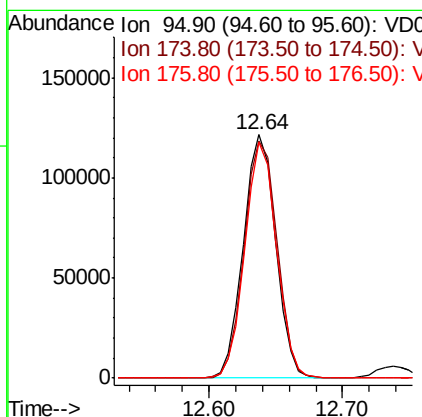
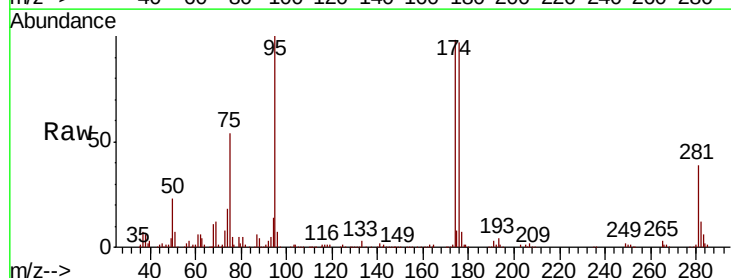
Instrument :
 MSVOA_D
 ClientSampleId :

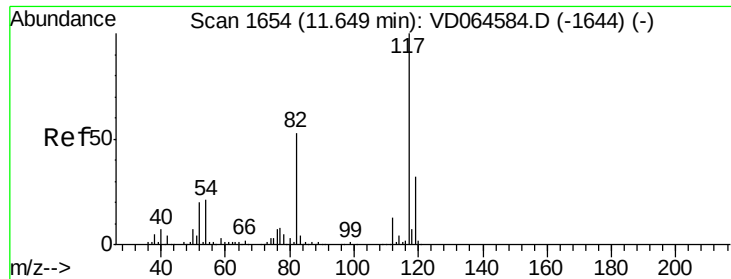
Tot Ion:107 Resp: 57776
 Ion Ratio Lower Upper
 107 100
 109 93.9 75.6 113.4



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

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

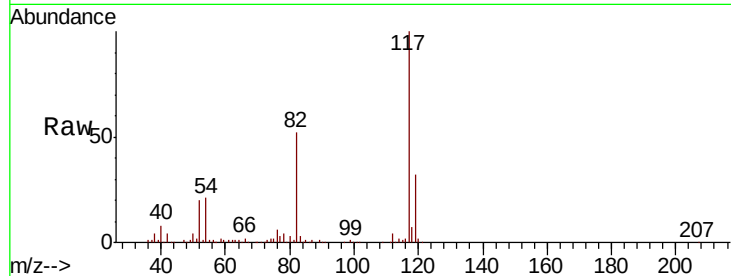




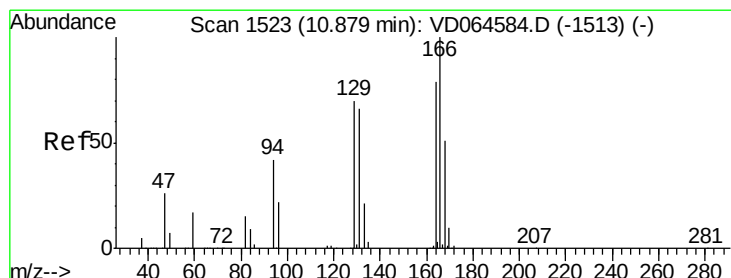
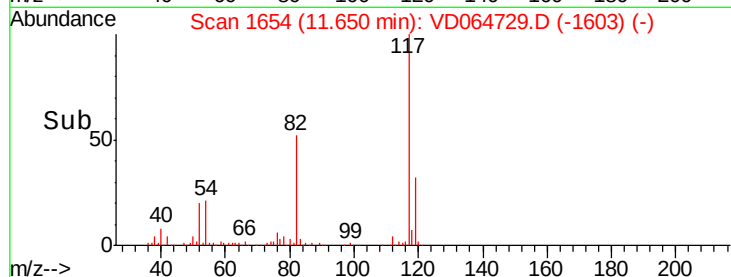
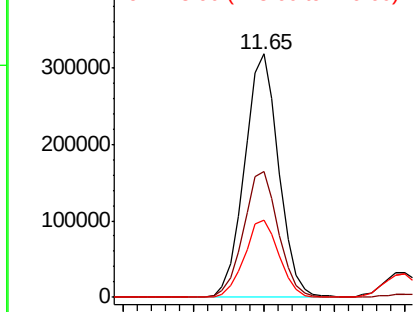
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD064729.D
Acq: 03 Jan 2020 12:44

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 538783
Ion Ratio Lower Upper
117 100
82 51.5 42.2 63.4
119 31.7 26.0 39.0

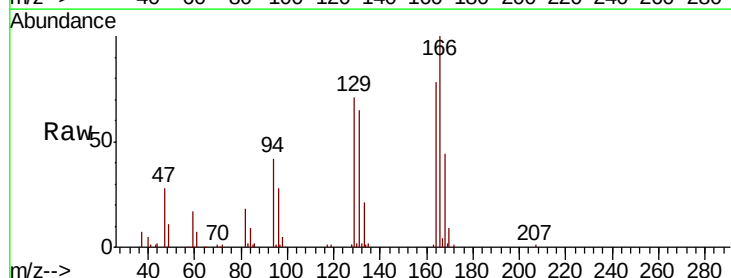


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

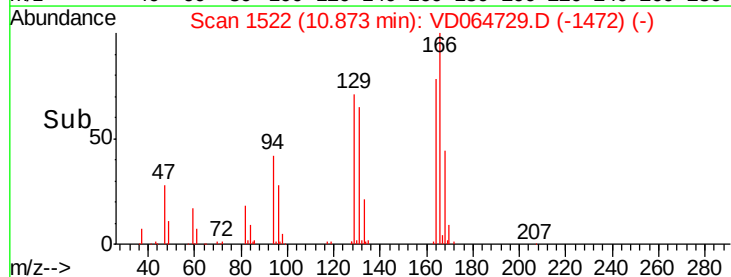
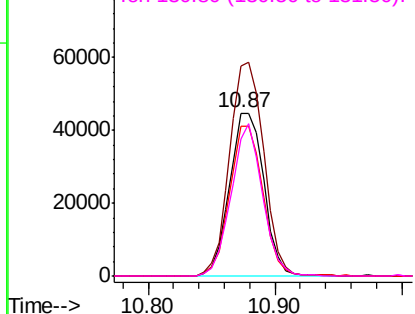


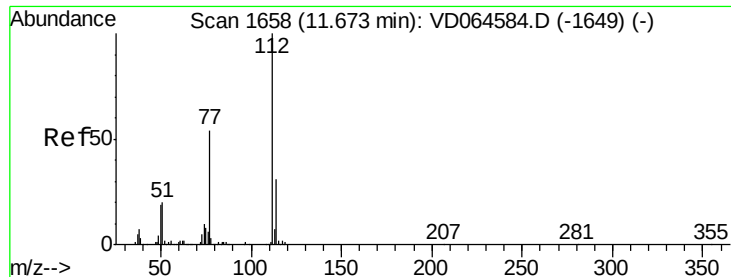
#64
Tetrachloroethene
Concen: 20.243 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. -0.01 min
Lab File: VD064729.D
Acq: 03 Jan 2020 12:44

Tgt Ion:164 Resp: 83673
Ion Ratio Lower Upper
164 100
166 128.8 101.3 151.9
129 91.6 70.5 105.7
131 84.0 66.6 99.8



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

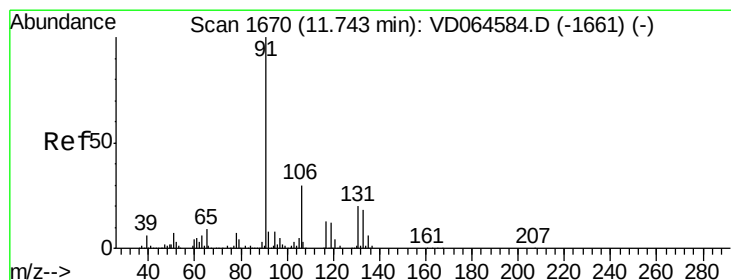
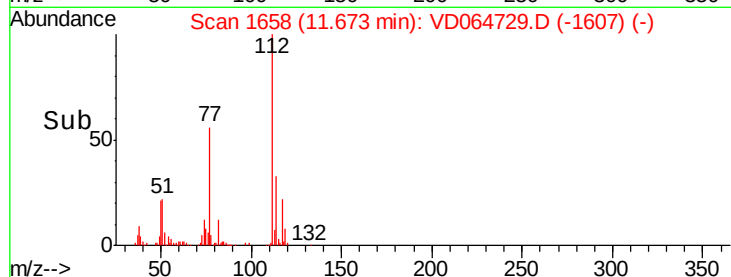
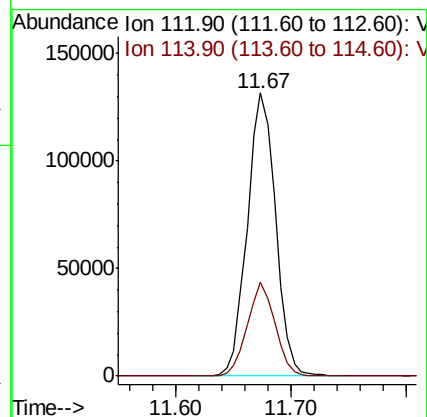
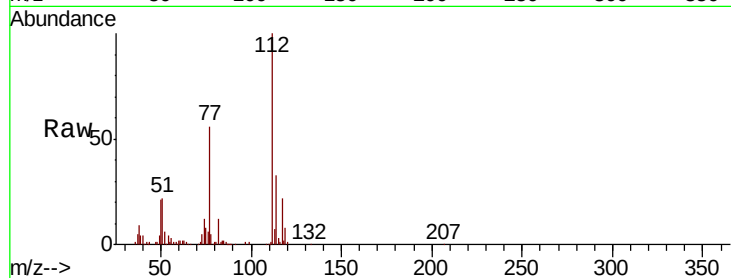




#65
Chlorobenzene
Concen: 20.147 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD064729.D
Acq: 03 Jan 2020 12:44

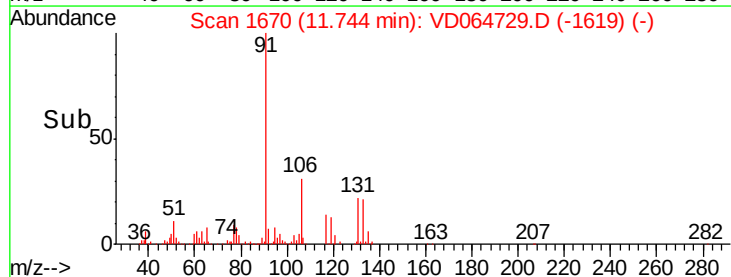
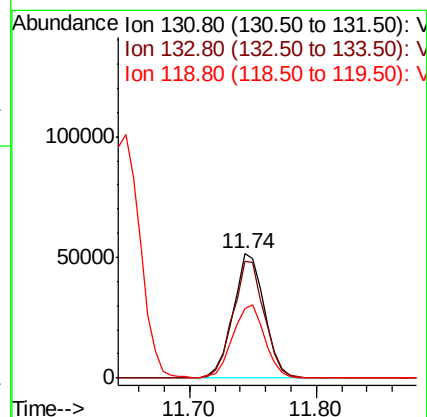
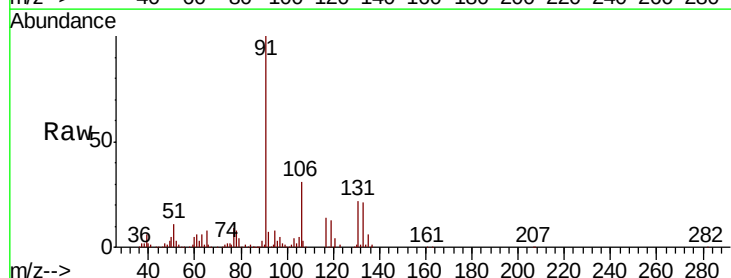
Instrument :
MSVOA_D
ClientSampleId :

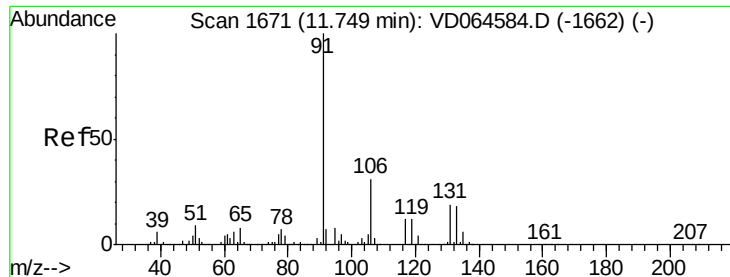
Tot Ion:112 Resp: 225286
Ion Ratio Lower Upper
112 100
114 33.1 24.8 37.2



#66
1,1,1,2-Tetrachloroethane
Concen: 20.639 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VD064729.D
Acq: 03 Jan 2020 12:44

Tgt Ion:131 Resp: 87005
Ion Ratio Lower Upper
131 100
133 95.9 48.3 144.8
119 61.3 32.1 96.3





#67

Ethyl Benzene

Concen: 19.996 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD064729.D

Acq: 03 Jan 2020 12:44

Instrument :

MSVOA_D

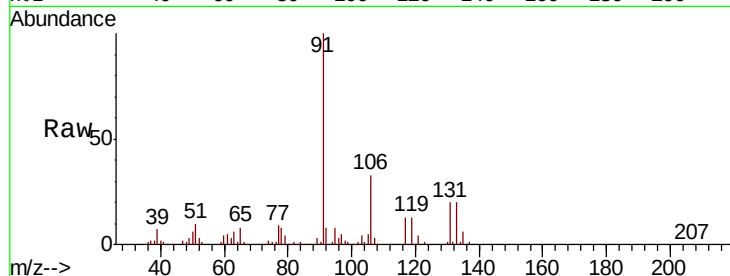
ClientSampled :

Tot Ion: 91 Resp: 405847

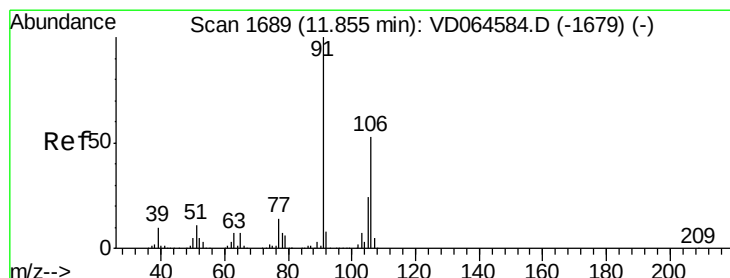
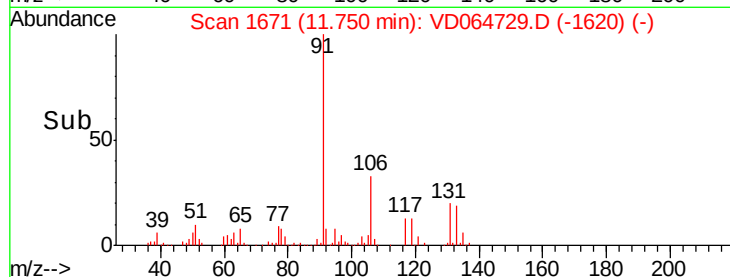
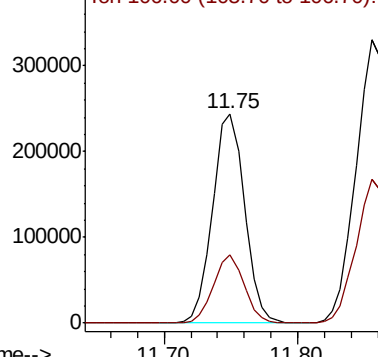
Ion Ratio Lower Upper

91 100

106 32.7 24.6 36.8



Abundance Ion 91.00 (90.70 to 91.70): V



#68

m/p-Xylenes

Concen: 39.719 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. 0.00 min

Lab File: VD064729.D

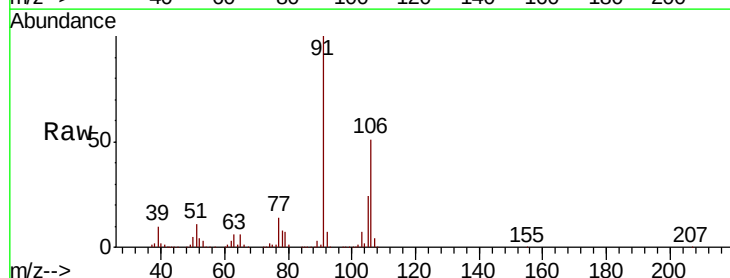
Acq: 03 Jan 2020 12:44

Tgt Ion: 106 Resp: 311161

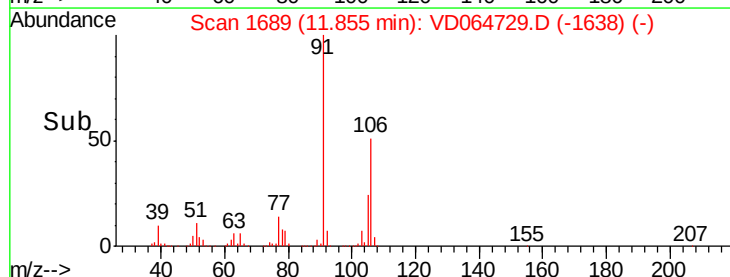
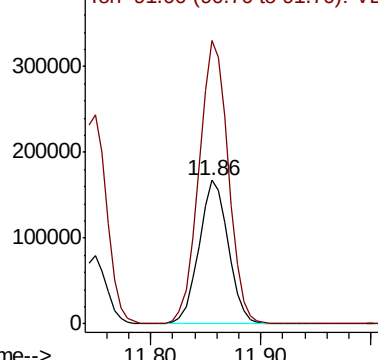
Ion Ratio Lower Upper

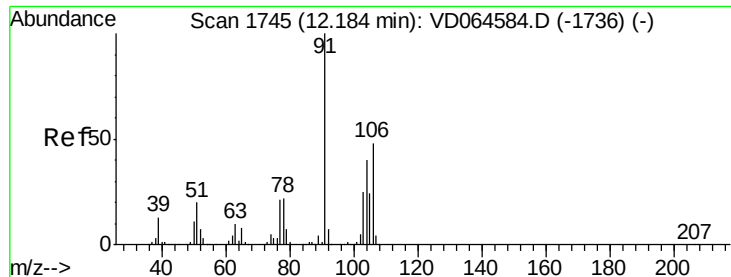
106 100

91 198.3 156.3 234.5



Abundance Ion 106.00 (105.70 to 106.70): V

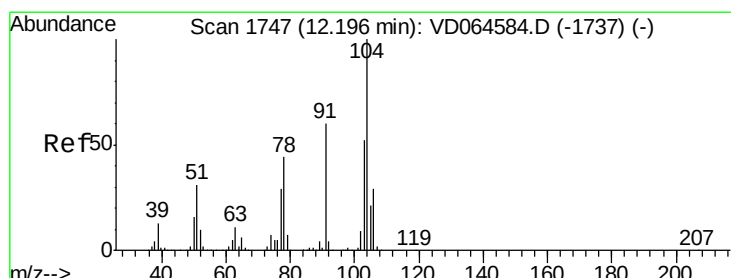
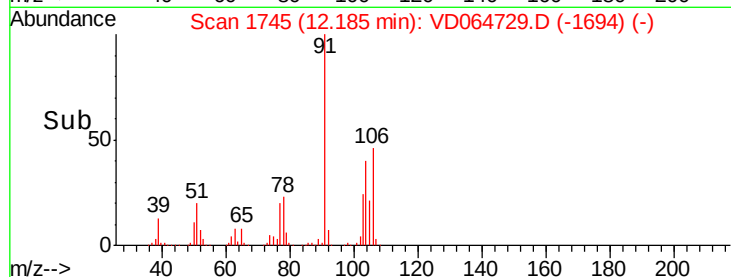
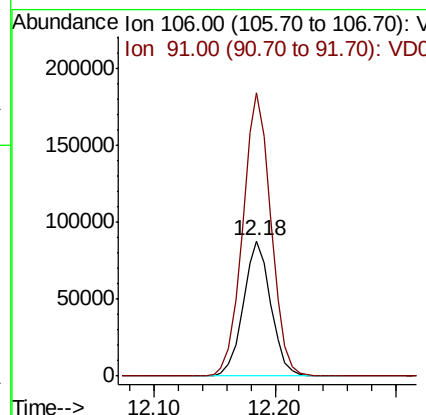
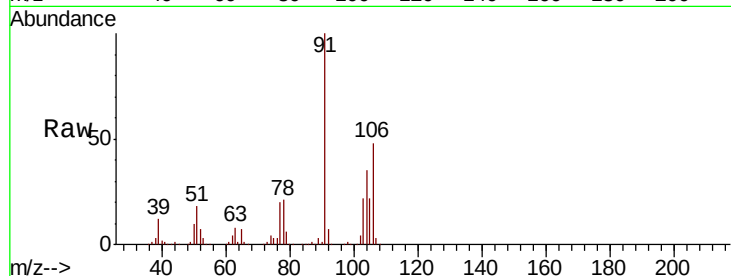




#69
o-Xylene
Concen: 19.593 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD064729.D
Acq: 03 Jan 2020 12:44

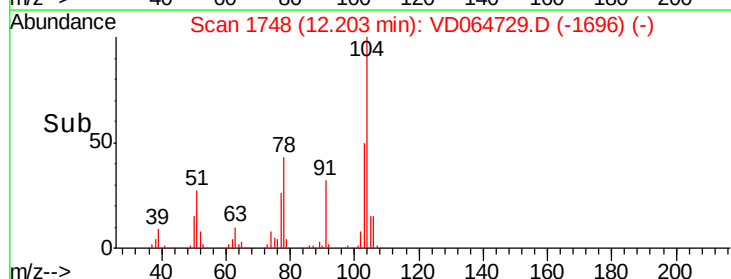
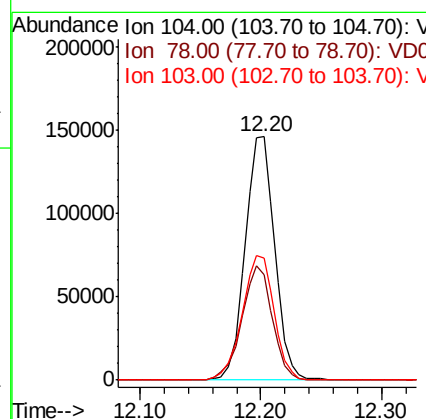
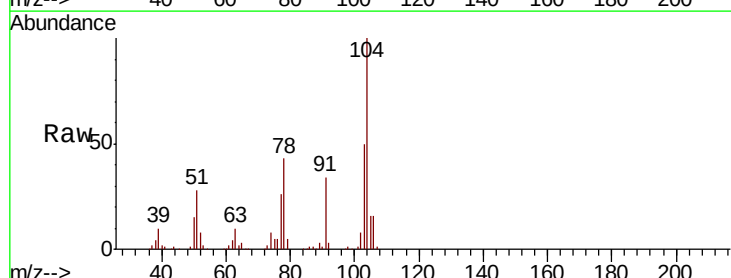
Instrument :
MSVOA_D
ClientSampled :

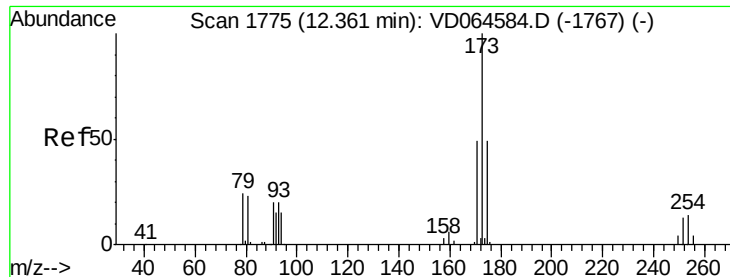
Tot Ion:106 Resp: 138642
Ion Ratio Lower Upper
106 100
91 216.4 104.8 314.4



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

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

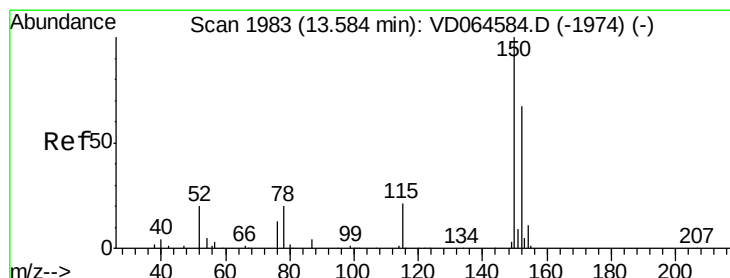
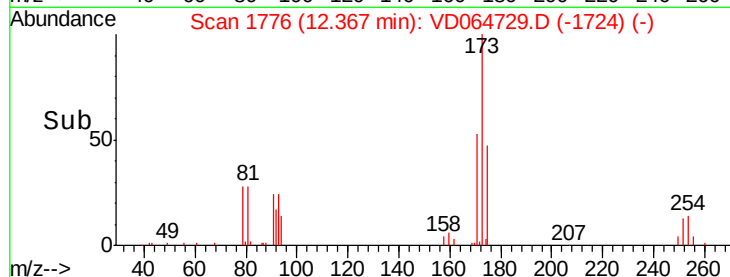
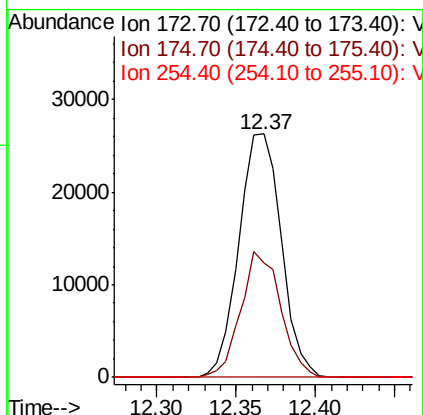
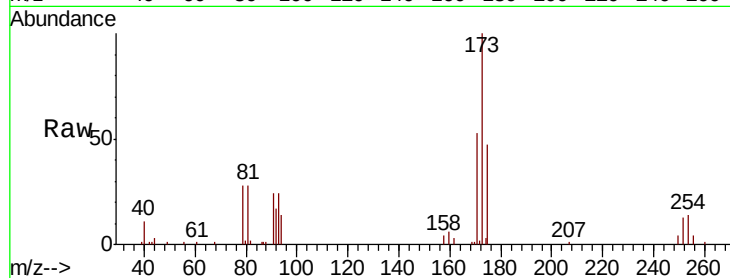




#71
Bromoform
Concen: 20.335 ug/l
RT: 12.37 min Scan# 1776
Delta R.T. 0.01 min
Lab File: VD064729.D
Acq: 03 Jan 2020 12:44

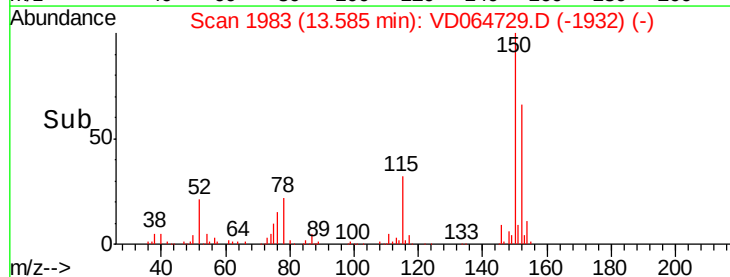
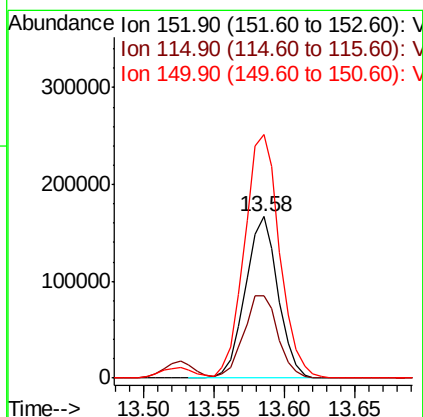
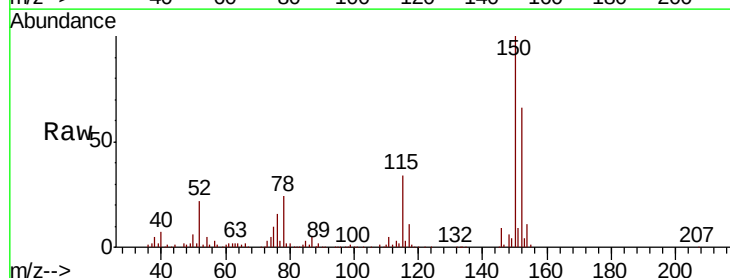
Instrument :
MSVOA_D
ClientSampleId :

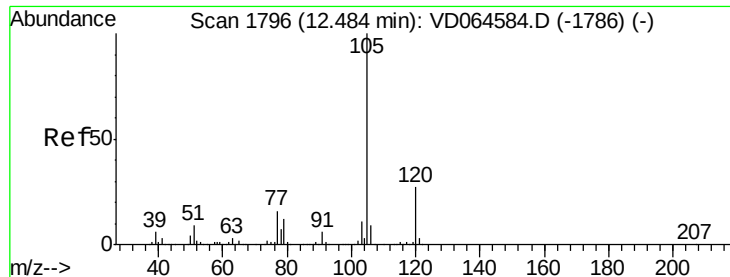
Tot Ion:173 Resp: 48887
Ion Ratio Lower Upper
173 100
175 48.4 24.6 73.8
254 0.0 0.1 0.1#



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

Tgt Ion:152 Resp: 269640
Ion Ratio Lower Upper
152 100
115 53.6 27.8 83.4
150 163.3 0.0 351.4





#73

Isopropylbenzene

Concen: 20.138 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD064729.D

Acq: 03 Jan 2020 12:44

Instrument :

MSVOA_D

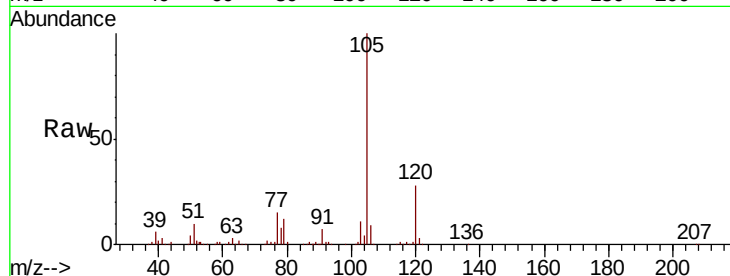
ClientSampleId :

Tot Ion:105 Resp: 388035

Ion Ratio Lower Upper

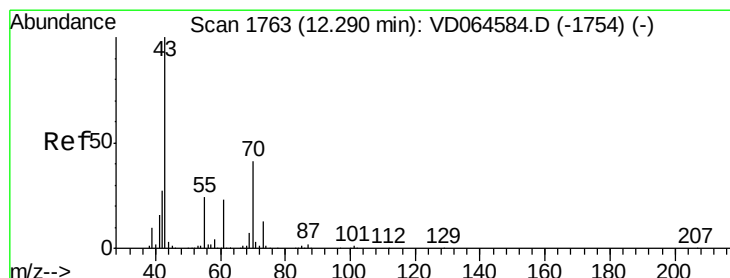
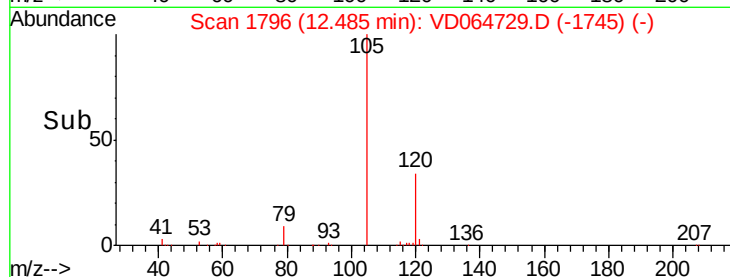
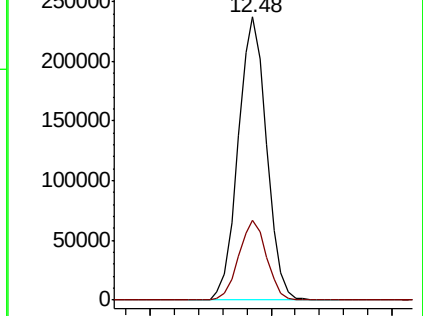
105 100

120 27.7 13.5 40.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 20.676 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. 0.01 min

Lab File: VD064729.D

Acq: 03 Jan 2020 12:44

Tgt Ion: 43 Resp: 85165

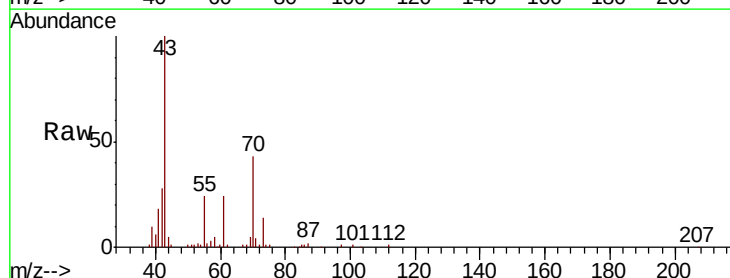
Ion Ratio Lower Upper

43 100

70 40.7 33.4 50.0

55 24.2 19.4 29.0

61 22.9 18.3 27.5

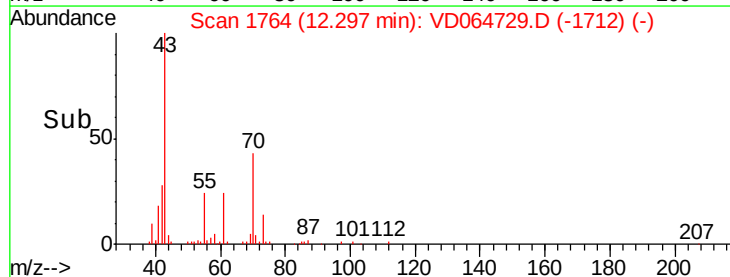
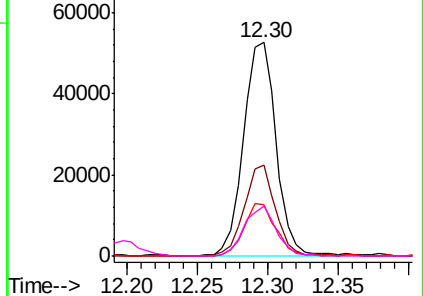


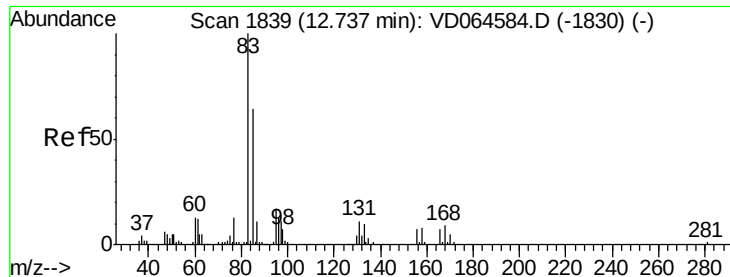
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 21.152 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD064729.D

Acq: 03 Jan 2020 12:44

Instrument :

MSVOA_D

ClientSampleId :

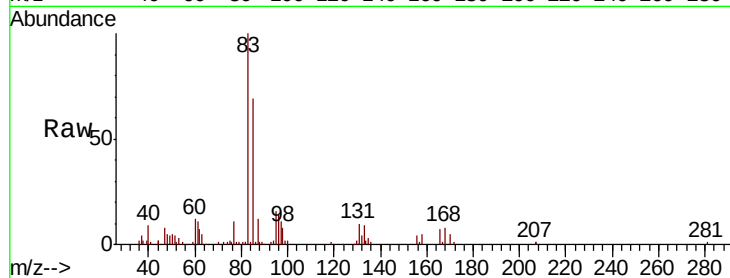
Tot Ion: 83 Resp: 64026

Ion Ratio Lower Upper

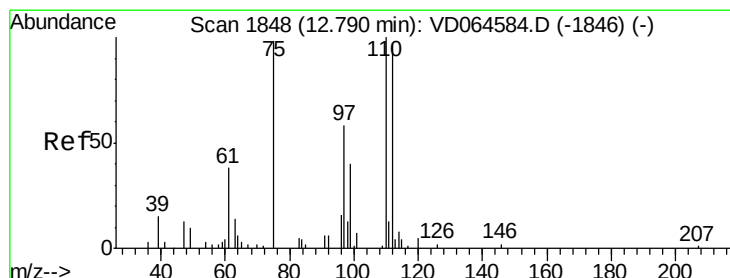
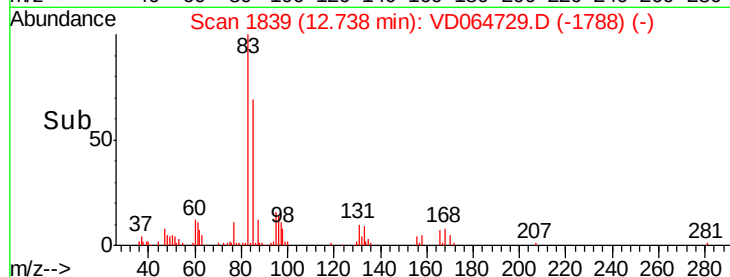
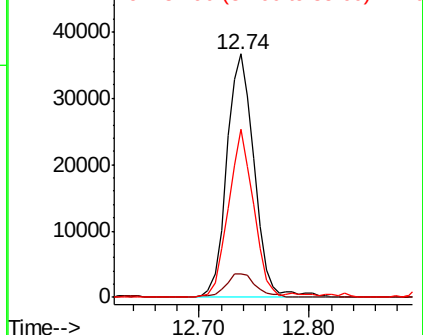
83 100

131 10.8 5.8 17.4

85 63.2 32.3 96.9



Abundance Ion 82.90 (82.60 to 83.60): VDC
Ion 130.80 (130.50 to 131.50): VDC
Ion 84.90 (84.60 to 85.60): VDC



#76

1,2,3-Trichloropropane

Concen: 38.847 ug/l

RT: 12.79 min Scan# 1848

Delta R.T. 0.00 min

Lab File: VD064729.D

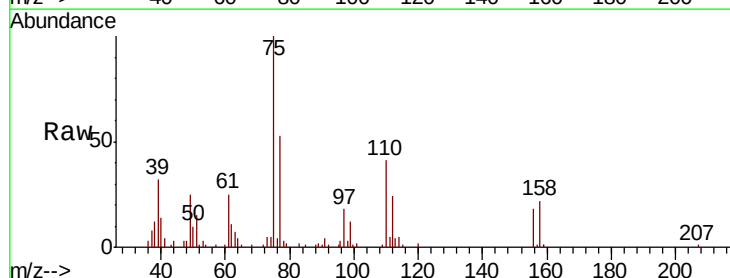
Acq: 03 Jan 2020 12:44

Tgt Ion: 75 Resp: 82715

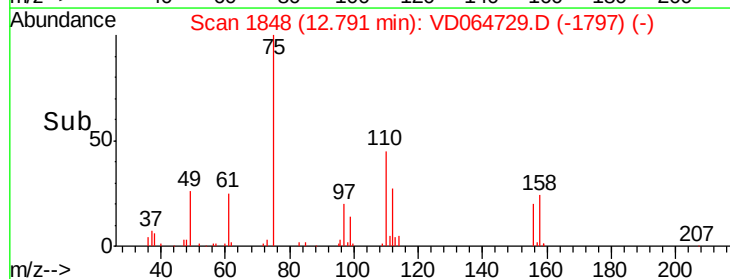
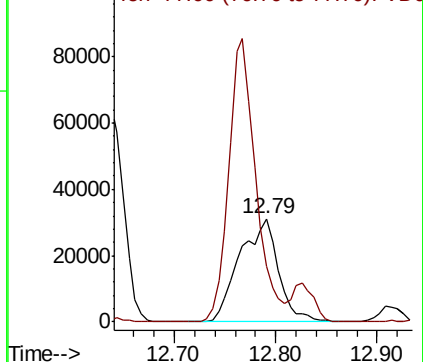
Ion Ratio Lower Upper

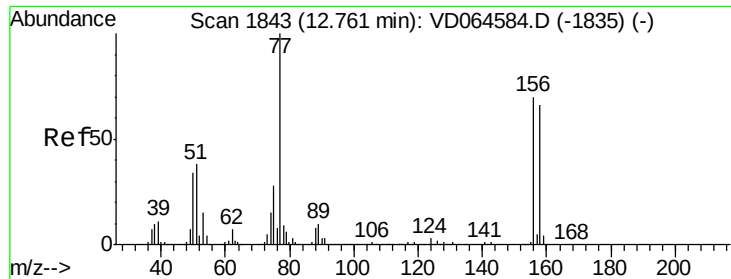
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VDC
Ion 77.00 (76.70 to 77.70): VDC





#77

Bromobenzene

Concen: 20.228 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.01 min

Lab File: VD064729.D

Acq: 03 Jan 2020 12:44

Instrument :

MSVOA_D

ClientSampleId :

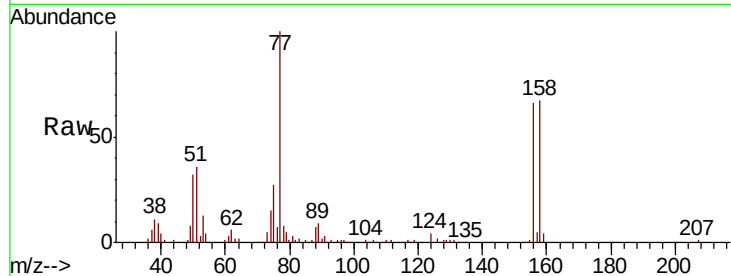
Tot Ion:156 Resp: 95775

Ion Ratio Lower Upper

156 100

77 164.9 80.9 242.7

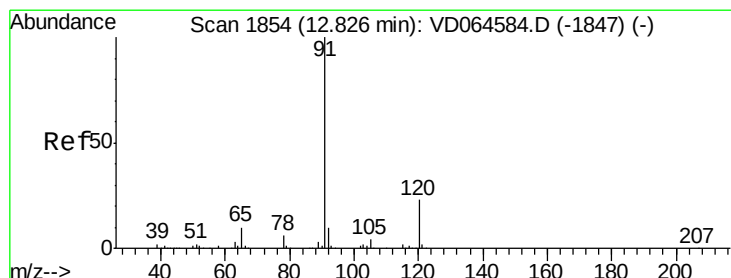
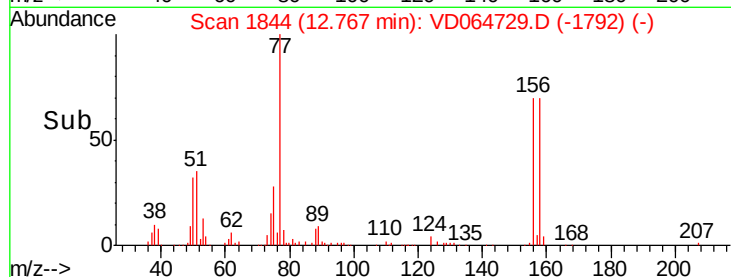
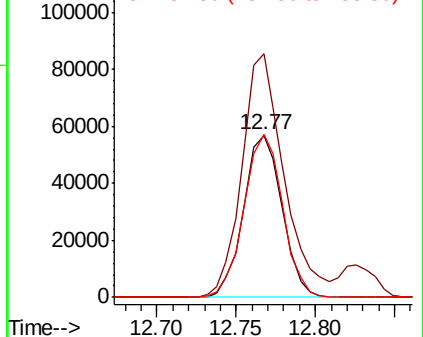
158 101.1 48.0 144.2



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.292 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD064729.D

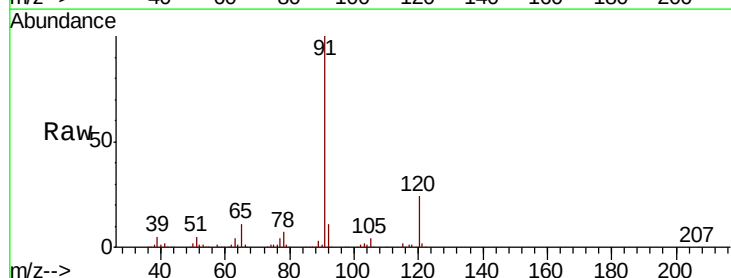
Acq: 03 Jan 2020 12:44

Tgt Ion: 91 Resp: 456154

Ion Ratio Lower Upper

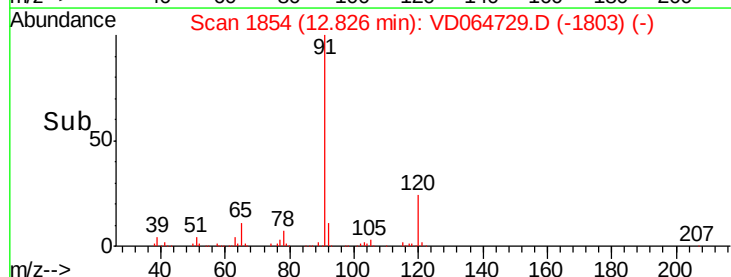
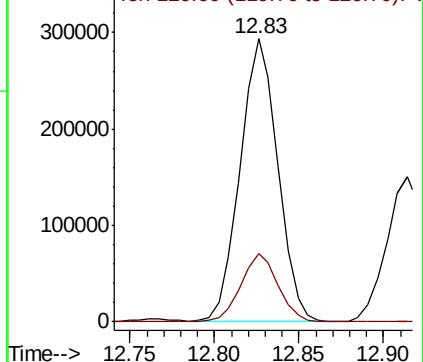
91 100

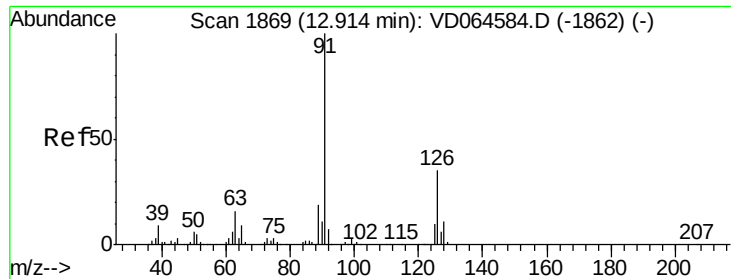
120 23.8 11.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V

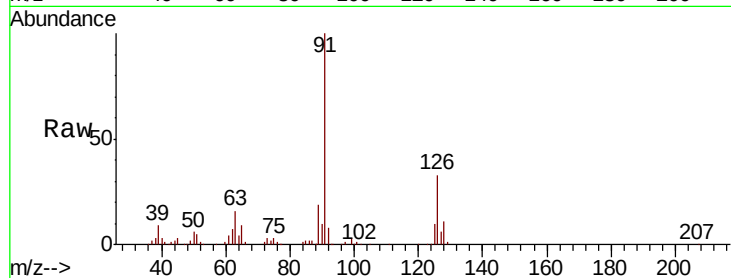




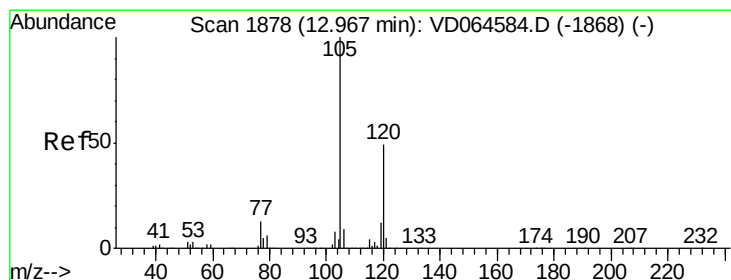
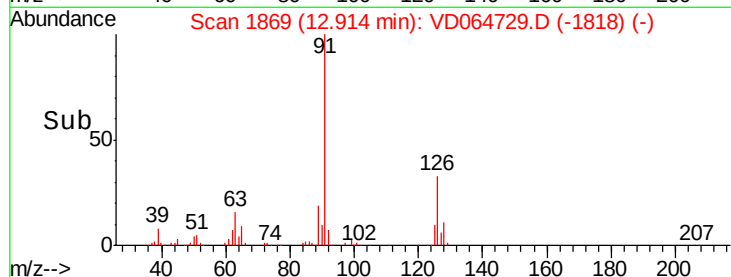
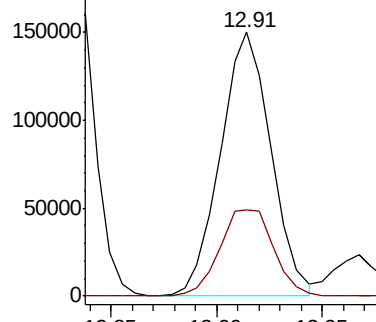
#79
2-Chlorotoluene
Concen: 20.165 ug/l
RT: 12.91 min Scan# 1869
Delta R.T. 0.00 min
Lab File: VD064729.D
Acq: 03 Jan 2020 12:44

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 91 Resp: 249020
Ion Ratio Lower Upper
91 100
126 35.2 17.8 53.5

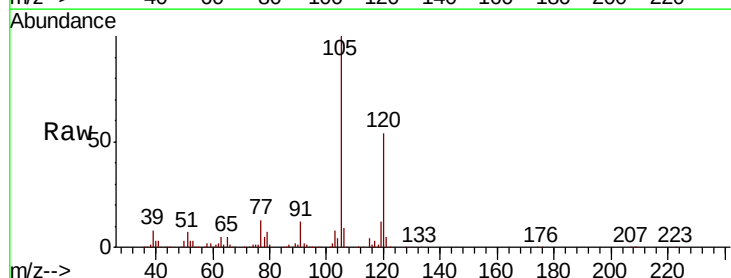


Abundance Ion 91.00 (90.70 to 91.70): VD
Ion 125.90 (125.60 to 126.60): V

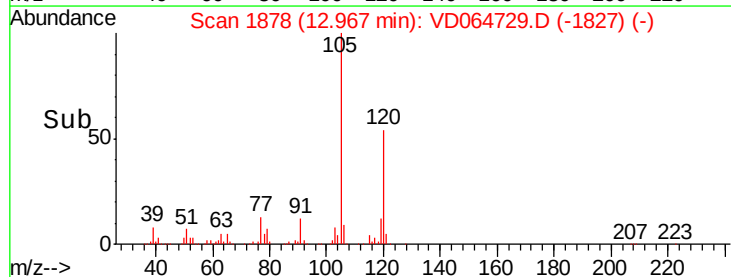
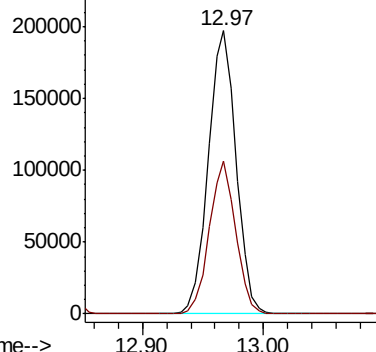


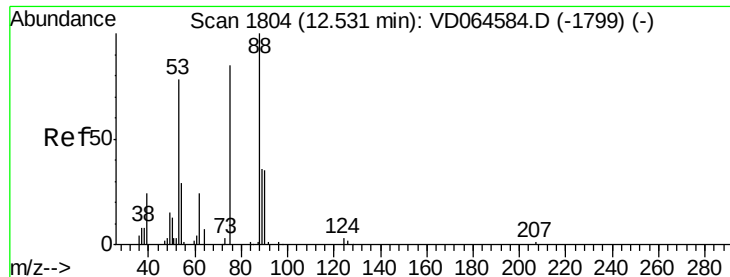
#80
1,3,5-Trimethylbenzene
Concen: 19.933 ug/l
RT: 12.97 min Scan# 1878
Delta R.T. 0.00 min
Lab File: VD064729.D
Acq: 03 Jan 2020 12:44

Tgt Ion:105 Resp: 315510
Ion Ratio Lower Upper
105 100
120 51.2 25.0 75.0



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V

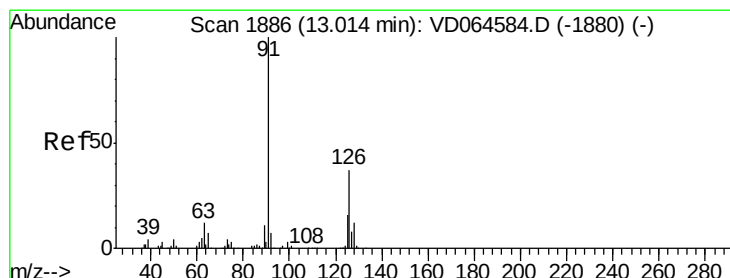
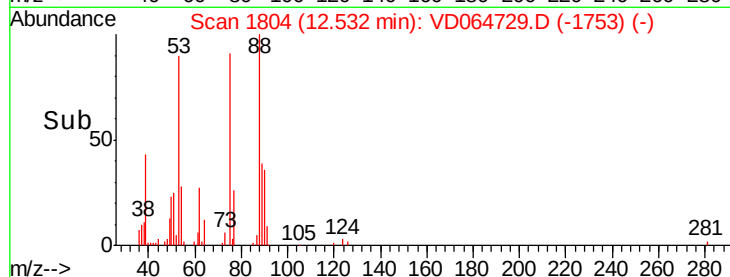
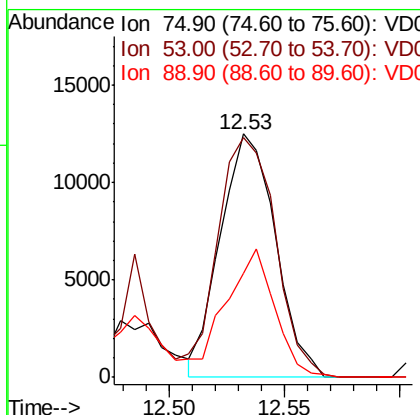
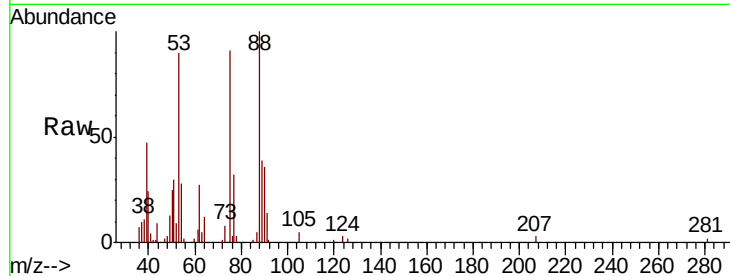




#81
trans-1,4-Dichloro-2-butene
Concen: 20.324 ug/l
RT: 12.53 min Scan# 1804
Delta R.T. 0.00 min
Lab File: VD064729.D
Acq: 03 Jan 2020 12:44

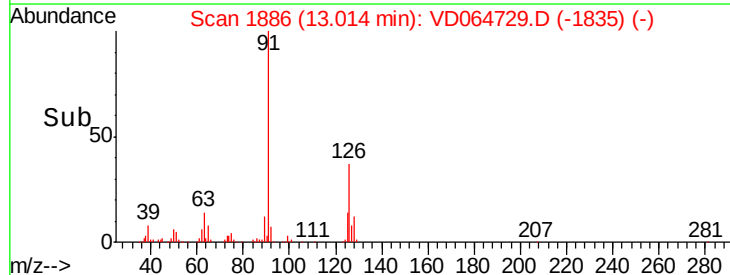
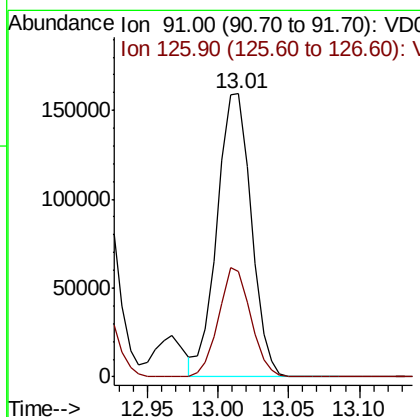
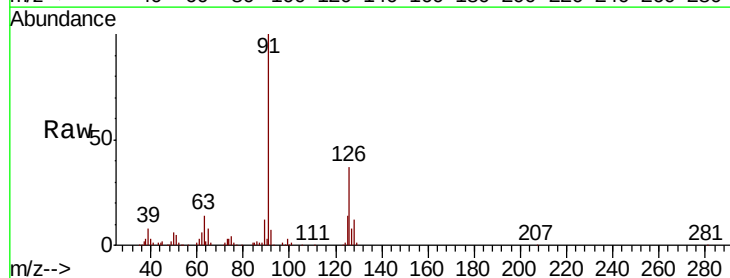
Instrument :
MSVOA_D
ClientSampleId :

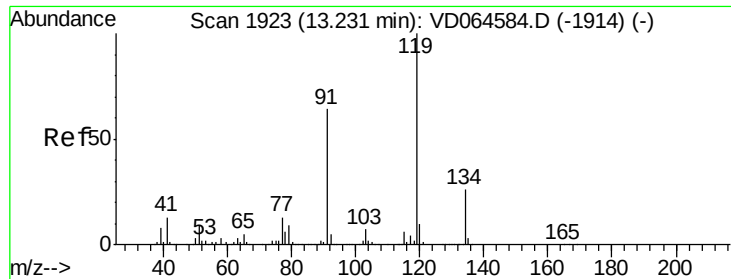
Tot Ion: 75 Resp: 20691
Ion Ratio Lower Upper
75 100
53 104.5 78.8 118.2
89 48.8 38.3 57.5



#82
4-Chlorotoluene
Concen: 20.474 ug/l
RT: 13.01 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VD064729.D
Acq: 03 Jan 2020 12:44

Tgt Ion: 91 Resp: 269069
Ion Ratio Lower Upper
91 100
126 36.5 17.8 53.5

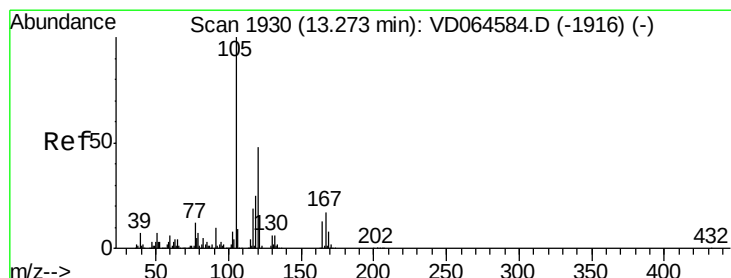
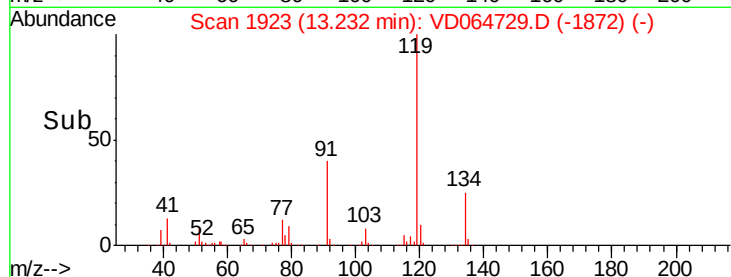
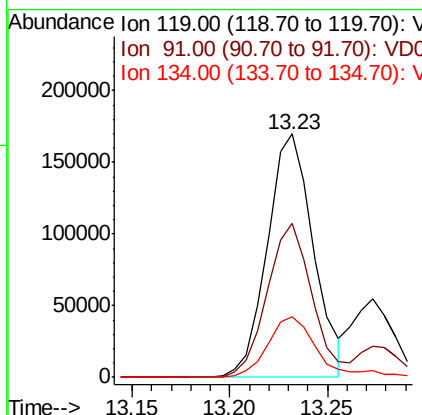
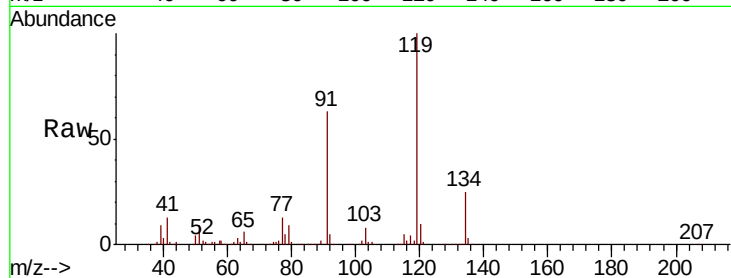




#83
 tert-Butylbenzene
 Concen: 20.259 ug/l
 RT: 13.23 min Scan# 1923
 Delta R.T. 0.00 min
 Lab File: VD064729.D
 Acq: 03 Jan 2020 12:44

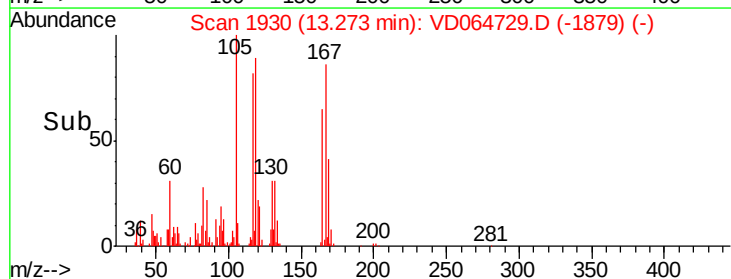
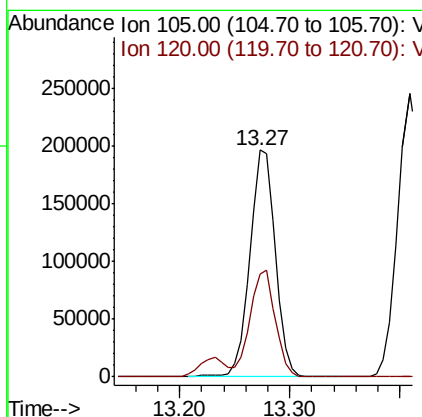
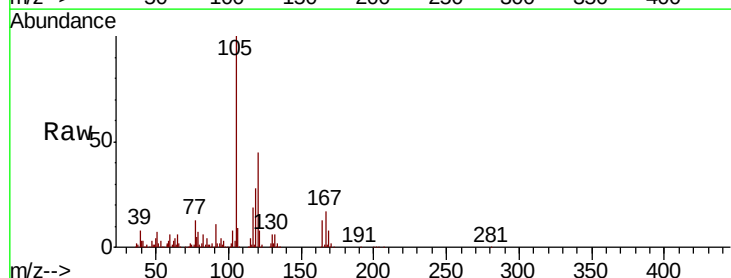
Instrument :
 MSVOA_D
 ClientSampleId :

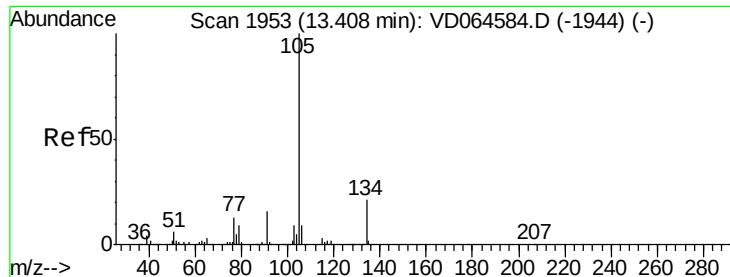
Tot Ion:119 Resp: 278419
 Ion Ratio Lower Upper
 119 100
 91 62.2 30.8 92.4
 134 26.9 12.8 38.3



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

Tgt Ion:105 Resp: 319073
 Ion Ratio Lower Upper
 105 100
 120 46.0 23.8 71.2





#85

sec-Butylbenzene

Concen: 20.098 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.00 min

Lab File: VD064729.D

Acq: 03 Jan 2020 12:44

Instrument :

MSVOA_D

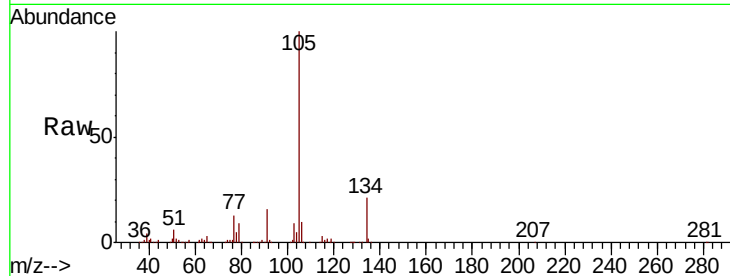
ClientSampled :

Tot Ion:105 Resp: 378677

Ion Ratio Lower Upper

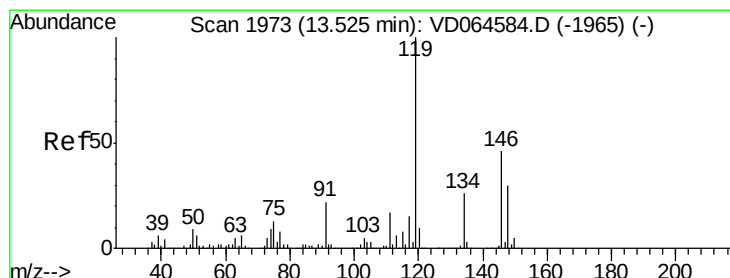
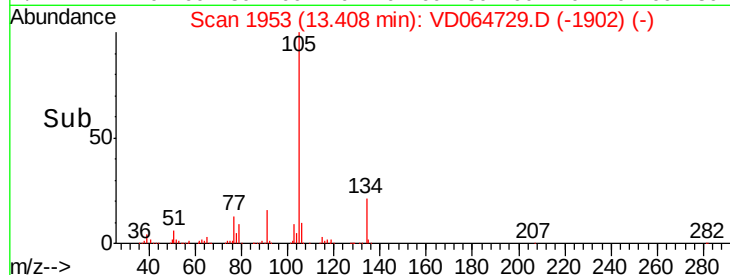
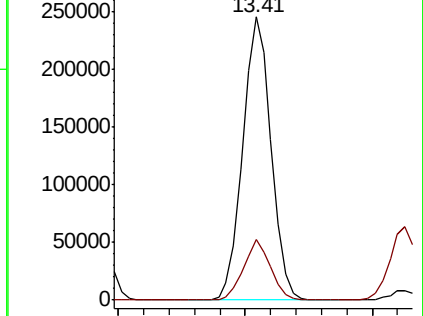
105 100

134 20.5 10.6 31.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 19.703 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VD064729.D

Acq: 03 Jan 2020 12:44

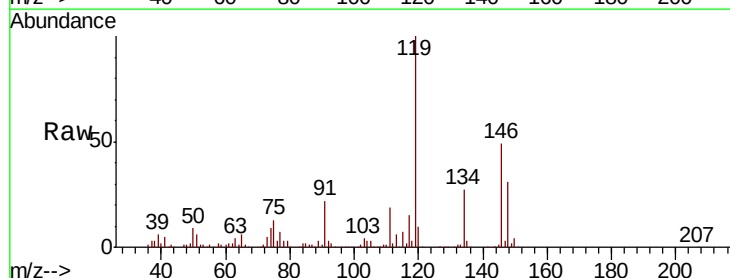
Tgt Ion:119 Resp: 354970

Ion Ratio Lower Upper

119 100

134 27.0 13.4 40.1

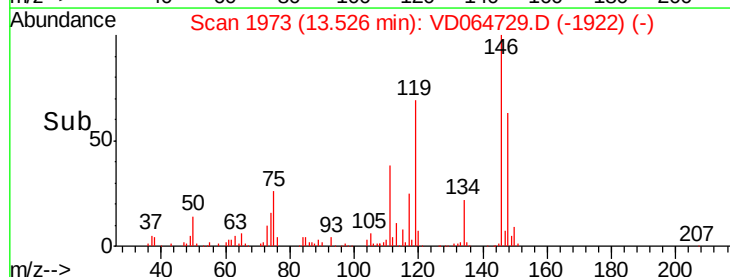
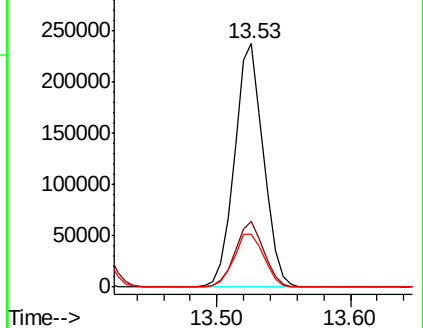
91 23.2 11.2 33.6

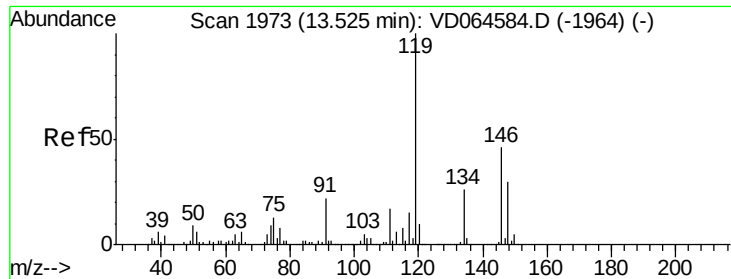


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 20.250 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VD064729.D

Acq: 03 Jan 2020 12:44

Instrument :

MSVOA_D

ClientSampleId :

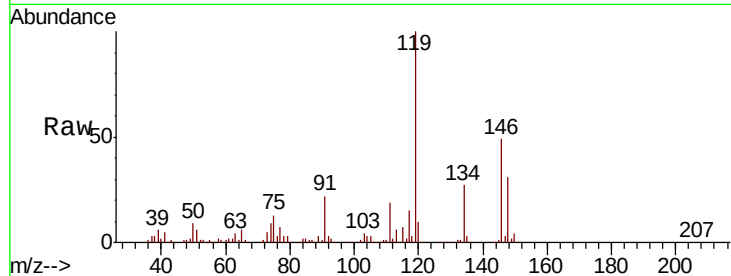
Tot Ion:146 Resp: 182778

Ion Ratio Lower Upper

146 100

111 38.3 18.8 56.4

148 63.8 32.5 97.5

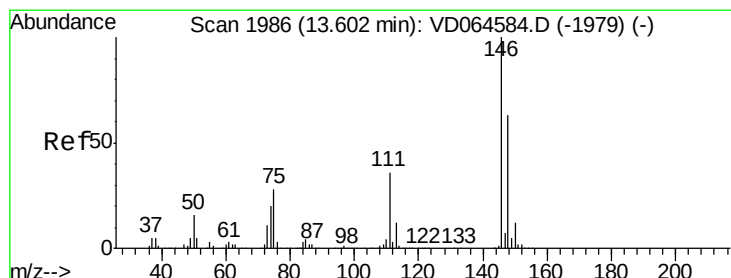
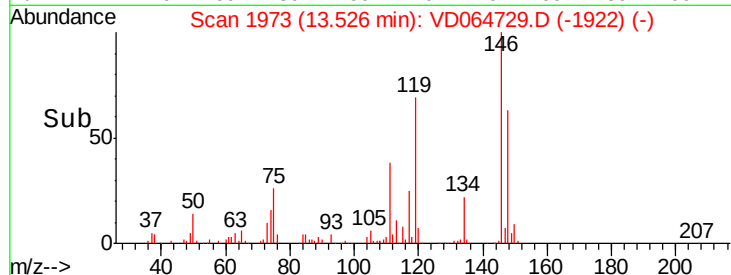
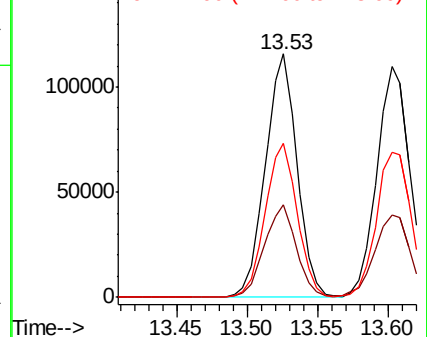


Abundance

Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 20.016 ug/l

RT: 13.60 min Scan# 1986

Delta R.T. 0.00 min

Lab File: VD064729.D

Acq: 03 Jan 2020 12:44

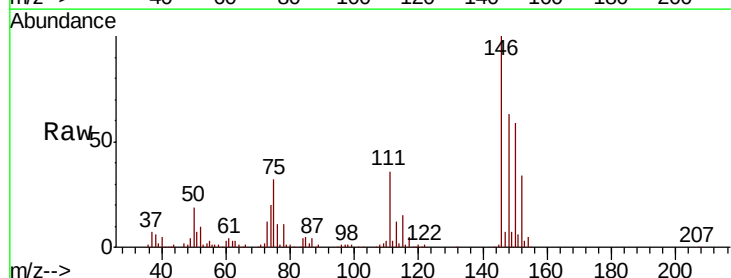
Tgt Ion:146 Resp: 177478

Ion Ratio Lower Upper

146 100

111 38.6 18.1 54.1

148 66.3 32.3 96.9

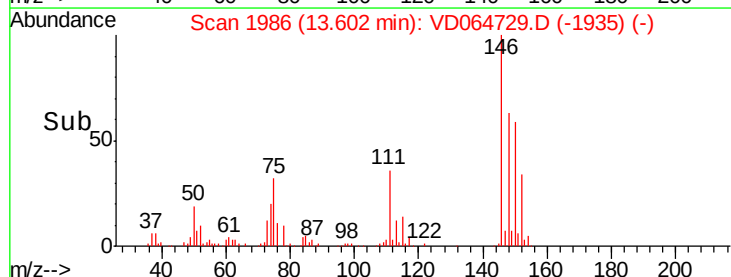
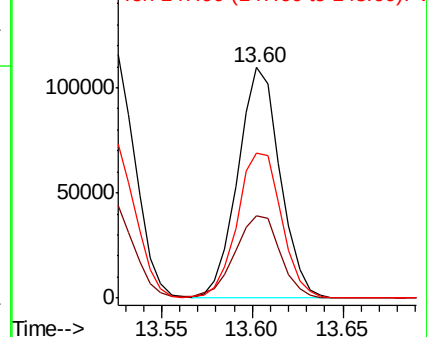


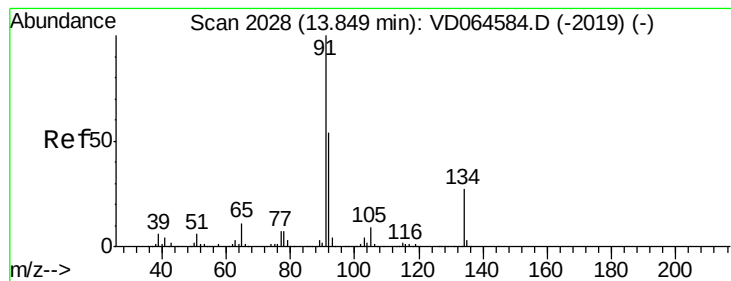
Abundance

Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 20.490 ug/l

RT: 13.85 min Scan# 2028

Delta R.T. 0.00 min

Lab File: VD064729.D

Acq: 03 Jan 2020 12:44

Instrument :

MSVOA_D

ClientSampled :

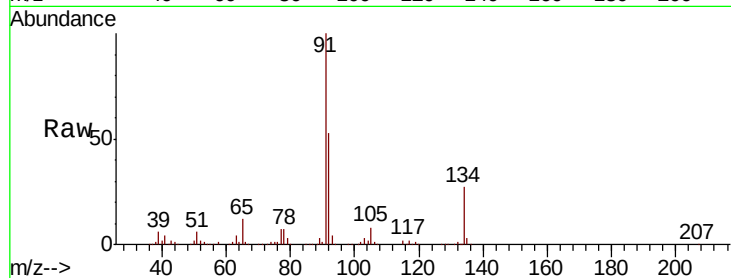
Tot Ion: 91 Resp: 332428

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

91 100

92 53.1 26.8 80.4

134 26.8 14.0 41.9

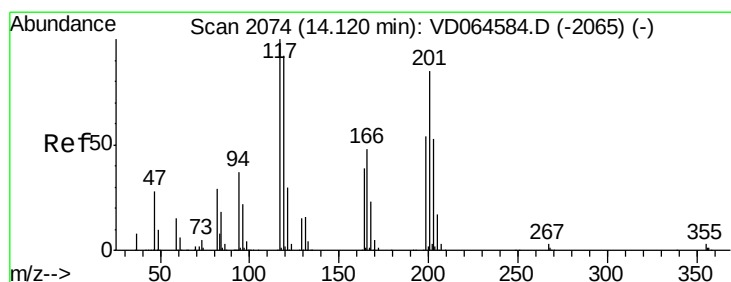
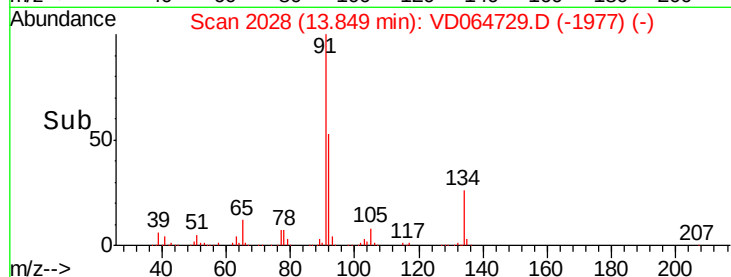
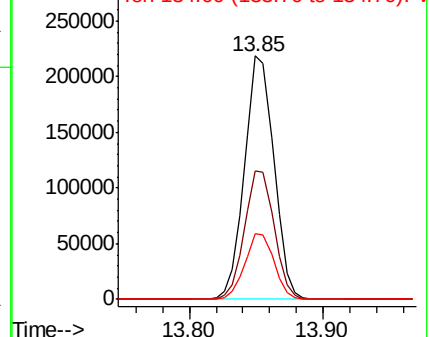


Abundance

Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V

Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 20.426 ug/l

RT: 14.12 min Scan# 2074

Delta R.T. 0.00 min

Lab File: VD064729.D

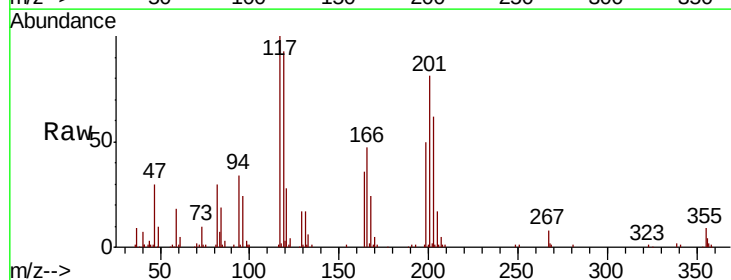
Acq: 03 Jan 2020 12:44

Tgt Ion: 117 Resp: 70295

Ion	Ratio	Lower	Upper
117	100		
201	82.3	44.0	131.8

117 100

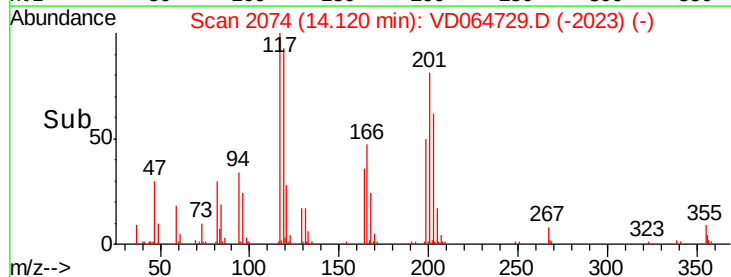
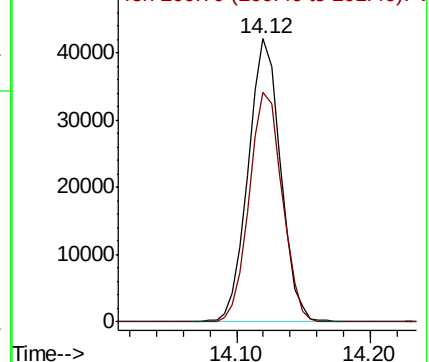
201 82.3 44.0 131.8

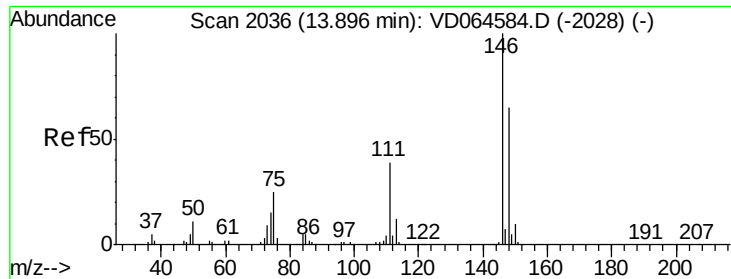


Abundance

Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

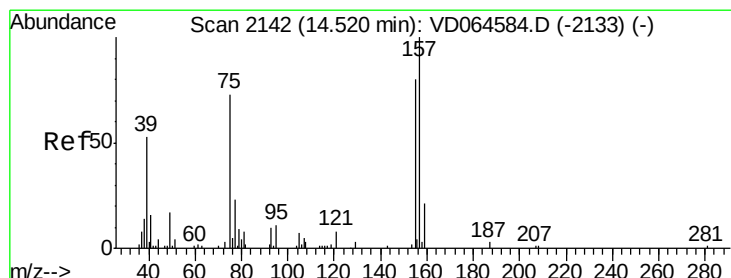
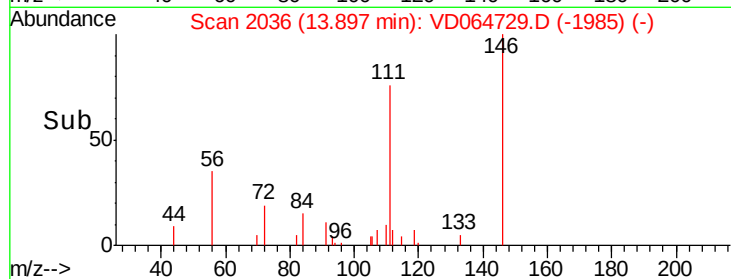
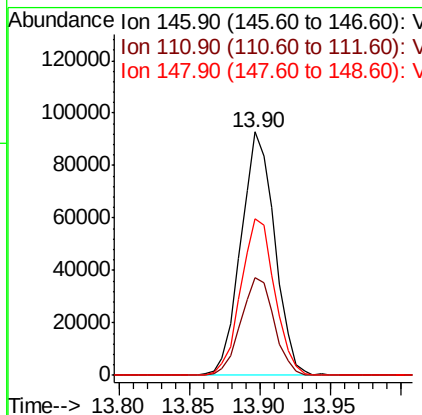
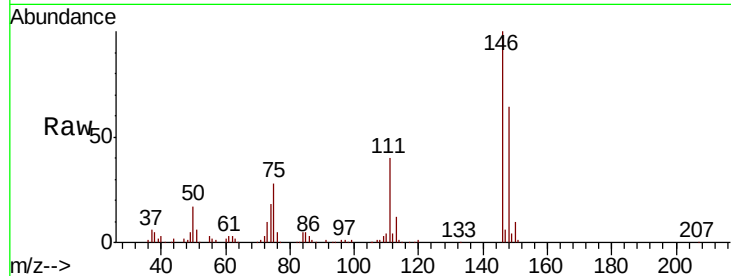




#91
 1,2-Dichlorobenzene
 Concen: 20.209 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. 0.00 min
 Lab File: VD064729.D
 Acq: 03 Jan 2020 12:44

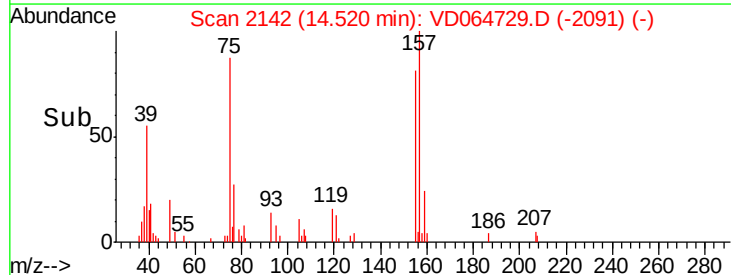
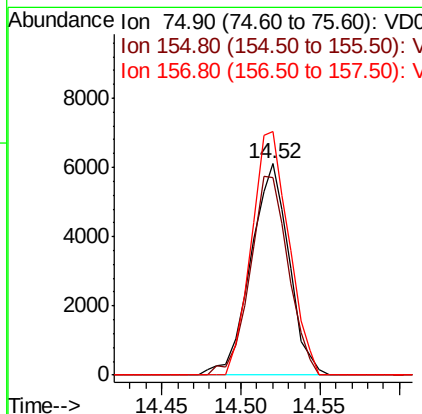
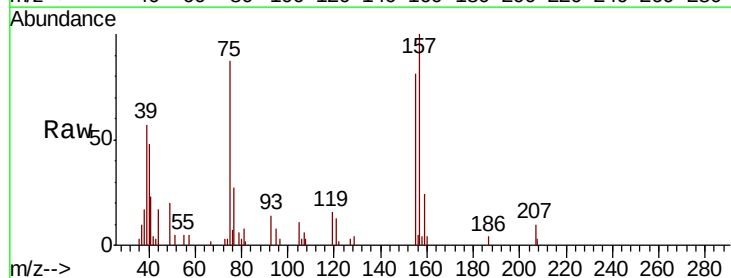
Instrument :
 MSVOA_D
 ClientSampleId :

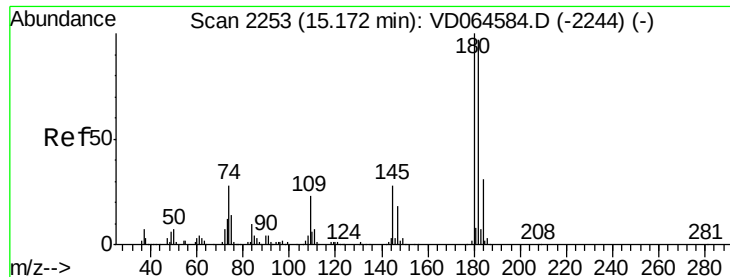
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.5	19.3	57.9
148	64.6	31.9	95.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.909 ug/l
 RT: 14.52 min Scan# 2142
 Delta R.T. 0.00 min
 Lab File: VD064729.D
 Acq: 03 Jan 2020 12:44

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

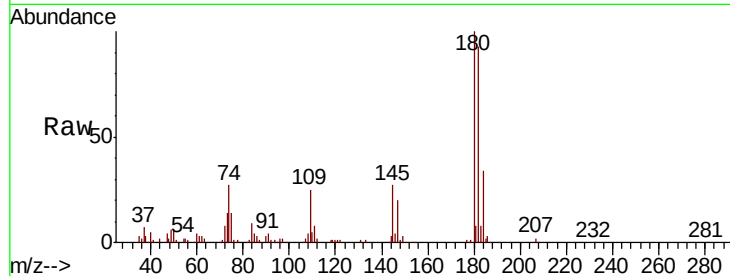




#93
 1,2,4-Trichlorobenzene
 Concen: 19.675 ug/l
 RT: 15.18 min Scan# 2254
 Delta R.T. 0.01 min
 Lab File: VD064729.D
 Acq: 03 Jan 2020 12:44

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.2	48.0	144.2
145	28.1	13.8	41.4

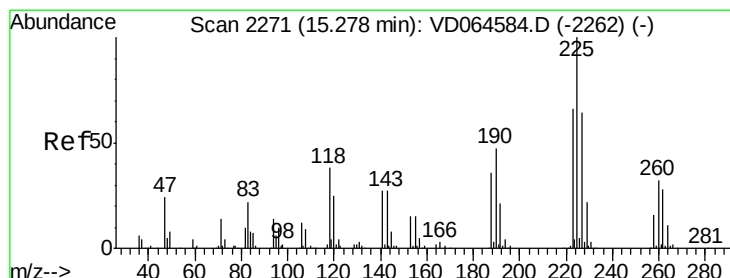
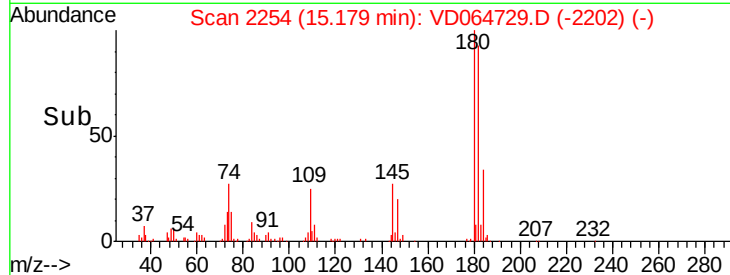
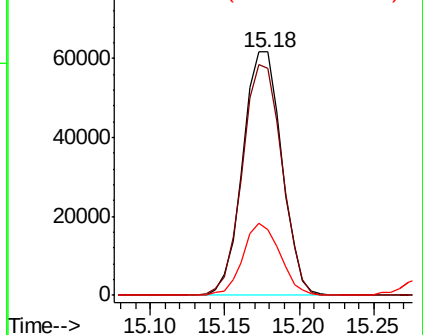


Abundance

Ion 179.80 (179.50 to 180.50): V

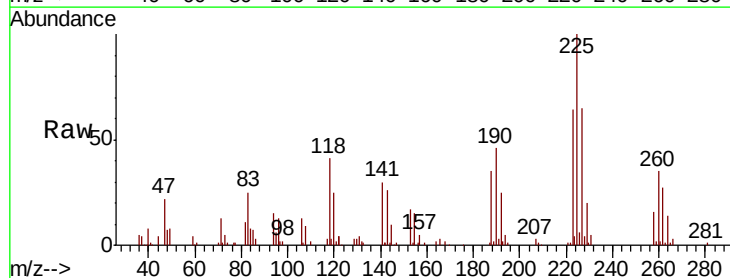
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



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

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

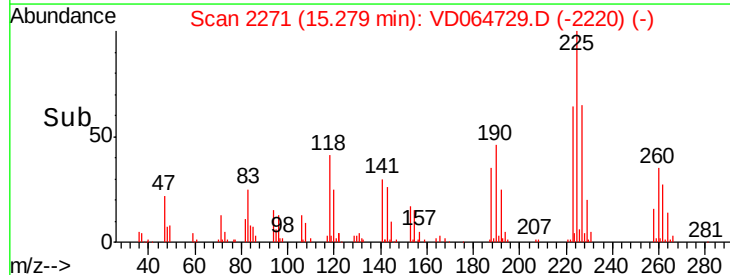
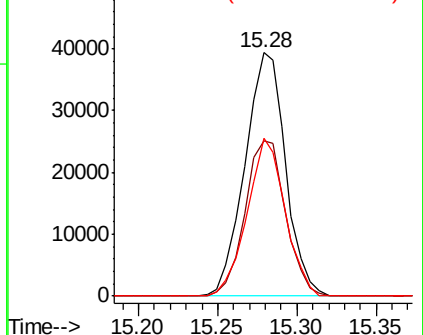


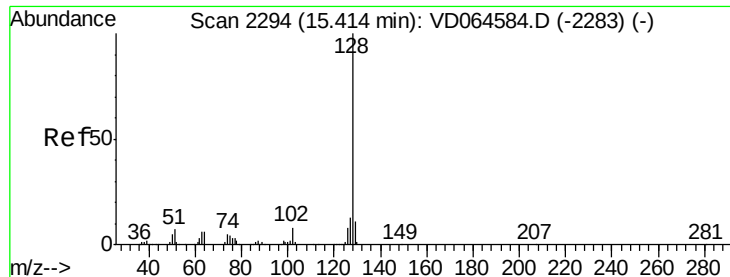
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V

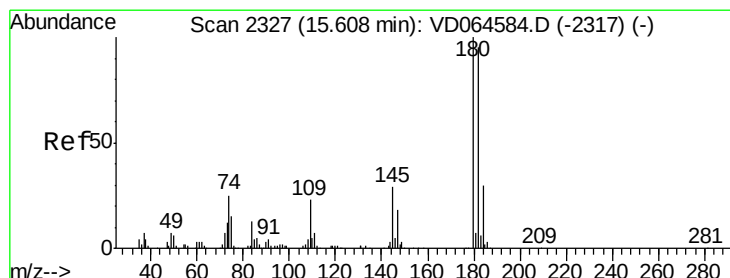
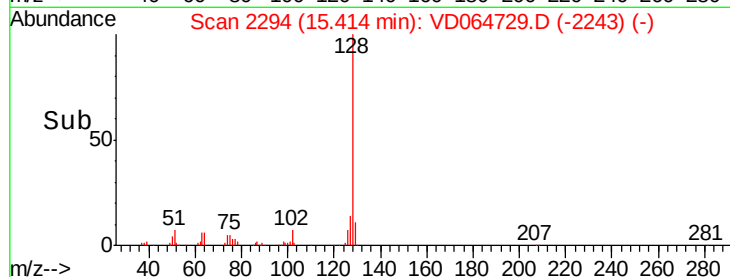
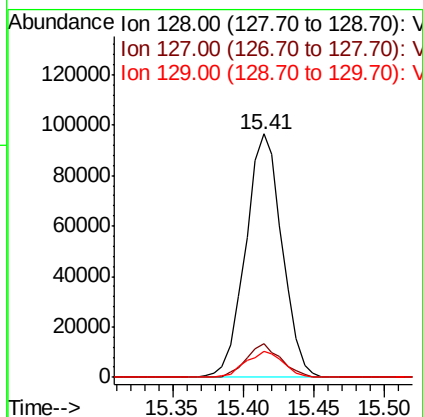
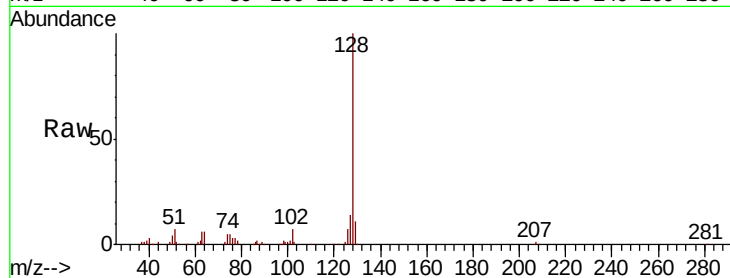




#95
Naphthalene
Concen: 19.444 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. 0.00 min
Lab File: VD064729.D
Acq: 03 Jan 2020 12:44

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:128 Resp: 174323
Ion Ratio Lower Upper
128 100
127 13.2 10.3 15.5
129 11.1 8.5 12.7



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

Tgt Ion:180 Resp: 95070
Ion Ratio Lower Upper
180 100
182 95.4 47.9 143.7
145 30.4 14.9 44.7

