

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD111819\
 Data File : VD064258.D
 Acq On : 18 Nov 2019 12:09
 Operator : VA/SY
 Sample : VD1118SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Nov 19 04:35:56 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110819S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 12 02:43:24 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	629735	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	888095	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	767114	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	374405	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	253945	49.03	ug/l	0.00
Spiked Amount			Recovery	=	98.06%	
35) Dibromofluoromethane	7.91	113	256497	50.32	ug/l	0.00
Spiked Amount			Recovery	=	100.64%	
50) Toluene-d8	10.34	98	979709	50.94	ug/l	0.00
Spiked Amount			Recovery	=	101.88%	
62) 4-Bromofluorobenzene	12.64	95	320659	48.15	ug/l	0.00
Spiked Amount			Recovery	=	96.30%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	104289	19.968	ug/l	97
3) Chloromethane	2.21	50	119640	21.356	ug/l	99
4) Vinyl Chloride	2.35	62	139983	23.366	ug/l	98
5) Bromomethane	2.76	94	95526	25.252	ug/l	97
6) Chloroethane	2.91	64	93504	24.426	ug/l	99
7) Trichlorofluoromethane	3.27	101	243695	25.090	ug/l	99
8) Diethyl Ether	3.70	74	53682	20.101	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.09	101	115946	20.886	ug/l	99
10) Methyl Iodide	4.29	142	112502	19.063	ug/l	99
11) Tert butyl alcohol	5.26	59	36617	101.223	ug/l	97
12) 1,1-Dichloroethene	4.06	96	109056	20.610	ug/l	93
13) Acrolein	3.93	56	22788	74.464	ug/l	97
14) Allyl chloride	4.70	41	179660	19.203	ug/l	95
15) Acrylonitrile	5.43	53	119590	105.039	ug/l	98
16) Acetone	4.17	43	96067	78.297	ug/l	99
17) Carbon Disulfide	4.40	76	322004	19.540	ug/l	99
18) Methyl Acetate	4.73	43	65823	19.208	ug/l	100
19) Methyl tert-butyl Ether	5.49	73	251741	19.928	ug/l	96
20) Methylene Chloride	4.96	84	121347	19.579	ug/l	94
21) trans-1,2-Dichloroethene	5.47	96	123034	20.522	ug/l	92
22) Diisopropyl ether	6.37	45	337571	19.446	ug/l	95
23) Vinyl Acetate	6.31	43	978812	101.154	ug/l	99
24) 1,1-Dichloroethane	6.26	63	202586	20.099	ug/l	99
25) 2-Butanone	7.22	43	150645	95.035	ug/l	95
26) 2,2-Dichloropropane	7.20	77	194521	19.679	ug/l	98
27) cis-1,2-Dichloroethene	7.21	96	134470	20.916	ug/l	93
28) Bromochloromethane	7.55	49	58130	16.566	ug/l	97
29) Tetrahydrofuran	7.57	42	97972	102.869	ug/l	98
30) Chloroform	7.71	83	221238	21.459	ug/l	95
31) Cyclohexane	7.98	56	203548	20.024	ug/l	99
32) 1,1,1-Trichloroethane	7.90	97	197157	19.971	ug/l	99
36) 1,1-Dichloropropene	8.11	75	166912	20.364	ug/l	99
37) Ethyl Acetate	7.30	43	72814	21.073	ug/l	99
38) Carbon Tetrachloride	8.09	117	178826	20.390	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	210734	20.319	ug/l	96
40) Benzene	8.35	78	462749	20.658	ug/l	99
41) Methacrylonitrile	7.53	41	42391	19.519	ug/l	93
42) 1,2-Dichloroethane	8.43	62	134868	20.046	ug/l	98
43) Isopropyl Acetate	8.46	43	139571	19.604	ug/l	98
44) Trichloroethene	9.11	130	139333	20.724	ug/l	97
45) 1,2-Dichloropropane	9.39	63	109261	20.039	ug/l	99
46) Dibromomethane	9.48	93	60272	20.649	ug/l	98
47) Bromodichloromethane	9.67	83	162592	20.680	ug/l	97
48) Methyl methacrylate	9.46	41	64358	18.487	ug/l	92
49) 1,4-Dioxane	9.47	88	14585	416.047	ug/l	91
51) 4-Methyl-2-Pentanone	10.23	43	339879	99.551	ug/l	99
52) Toluene	10.41	92	297838	20.220	ug/l	98
53) t-1,3-Dichloropropene	10.63	75	153973	19.547	ug/l	100
54) cis-1,3-Dichloropropene	10.09	75	181894	19.789	ug/l	96
55) 1,1,2-Trichloroethane	10.80	97	83230	21.019	ug/l	97
56) Ethyl methacrylate	10.67	69	108396	19.569	ug/l	96
57) 1,3-Dichloropropane	10.95	76	143075	20.718	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.94	63	209564	93.398	ug/l	99
59) 2-Hexanone	10.99	43	235322	96.882	ug/l	99
60) Dibromochloromethane	11.14	129	112956	20.443	ug/l	99
61) 1,2-Dibromoethane	11.25	107	81653	20.588	ug/l	100
64) Tetrachloroethene	10.88	164	119059	20.180	ug/l	93
65) Chlorobenzene	11.67	112	315091	20.199	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.75	131	118366	19.955	ug/l	98
67) Ethyl Benzene	11.75	91	576099	20.417	ug/l	99
68) m/p-Xylenes	11.86	106	442498	40.914	ug/l	97
69) o-Xylene	12.18	106	199181	19.857	ug/l	97
70) Styrene	12.20	104	348381	19.897	ug/l	99
71) Bromoform	12.37	173	66758	19.776	ug/l #	96
73) Isopropylbenzene	12.48	105	561965	20.449	ug/l	99
74) N-amyl acetate	12.30	43	130156	20.056	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	88707	21.422	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	117941	39.109	ug/l #	100
77) Bromobenzene	12.77	156	136621	20.463	ug/l	98
78) n-propylbenzene	12.83	91	639344	20.363	ug/l	99
79) 2-Chlorotoluene	12.91	91	355991	20.082	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	455188	20.158	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.53	75	30268	19.937	ug/l	99
82) 4-Chlorotoluene	13.01	91	370425	20.035	ug/l	99
83) tert-Butylbenzene	13.23	119	403460	20.262	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	446167	20.013	ug/l	99
85) sec-Butylbenzene	13.41	105	546748	20.444	ug/l	100
86) p-Isopropyltoluene	13.53	119	510392	20.075	ug/l	100
87) 1,3-Dichlorobenzene	13.53	146	251127	20.263	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	248554	20.549	ug/l	99
89) n-Butylbenzene	13.85	91	469466	20.438	ug/l	99
90) Hexachloroethane	14.13	117	93042	19.801	ug/l	100
91) 1,2-Dichlorobenzene	13.90	146	213942	20.395	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.52	75	14452	19.520	ug/l	99

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Quant Title : SW846 8260
QLast Update : Tue Nov 12 02:43:24 2019
Response via : Initial Calibration

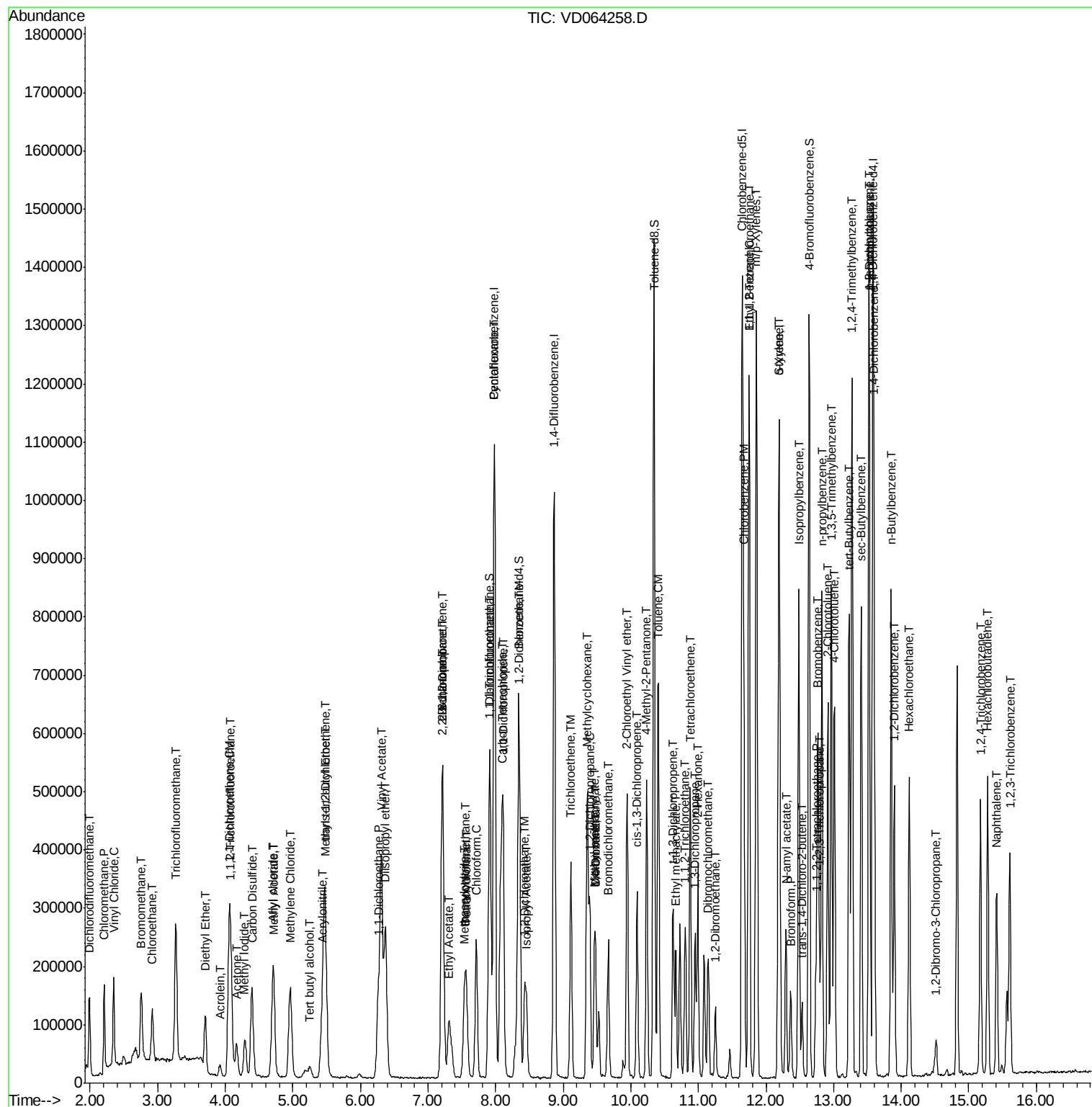
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	165851	20.496	ug/l	100
94) Hexachlorobutadiene	15.28	225	104347	19.965	ug/l	96
95) Naphthalene	15.41	128	282619	21.306	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	145559	21.162	ug/l	98

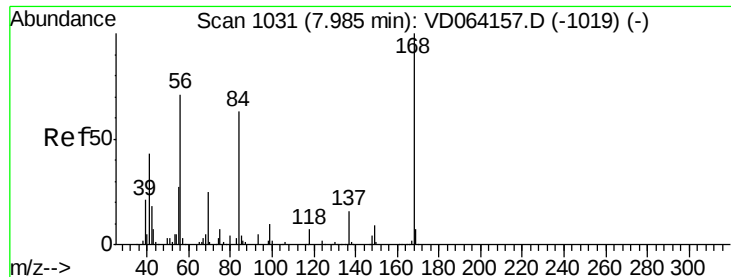
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
 MSVOA_D
 ClientSampled :

Quant Time: Nov 19 04:35:56 2019
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 Quant Title : SW846 8260
 QLast Update : Tue Nov 12 02:43:24 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: VD064258.D

Acq: 18 Nov 2019 12:09

Instrument :

MSVOA_D

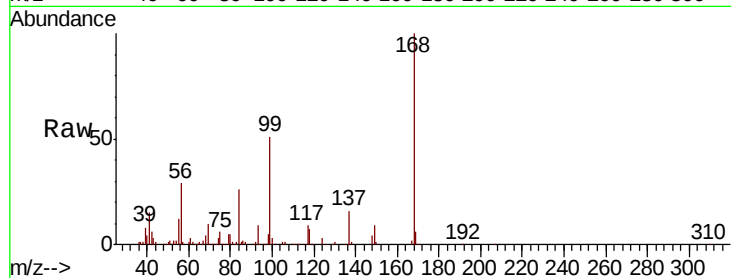
ClientSampleId :

Tot Ion:168 Resp: 629735

Ion Ratio Lower Upper

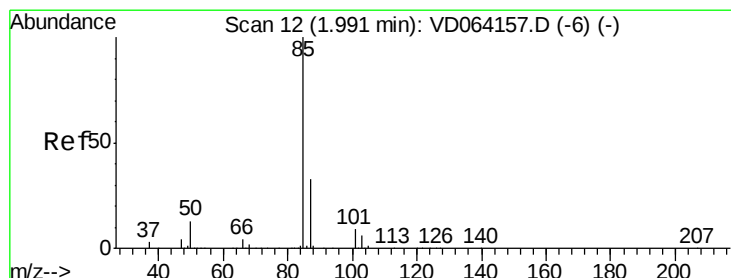
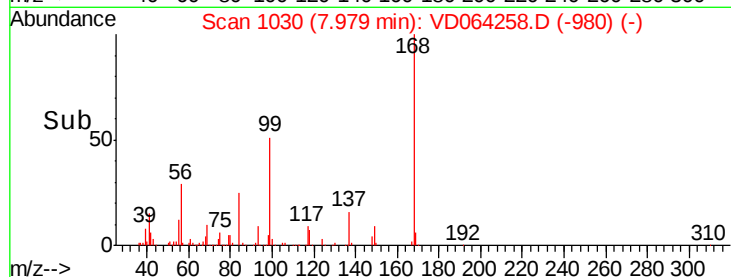
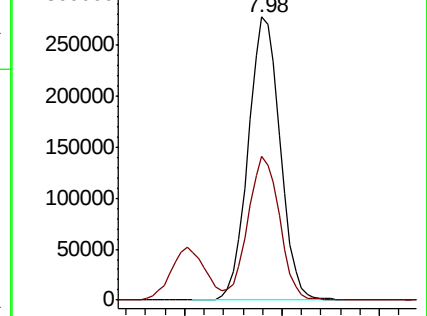
168 100

99 50.7 41.6 62.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 19.968 ug/l

RT: 1.99 min Scan# 12

Delta R.T. -0.00 min

Lab File: VD064258.D

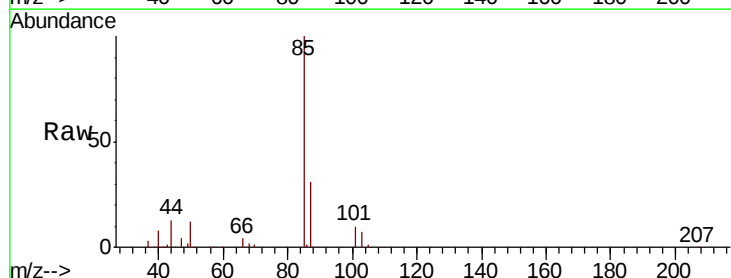
Acq: 18 Nov 2019 12:09

Tgt Ion: 85 Resp: 104289

Ion Ratio Lower Upper

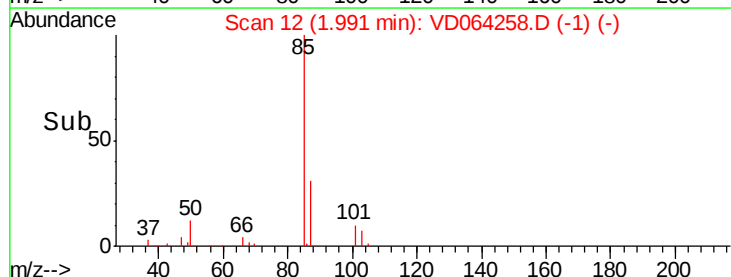
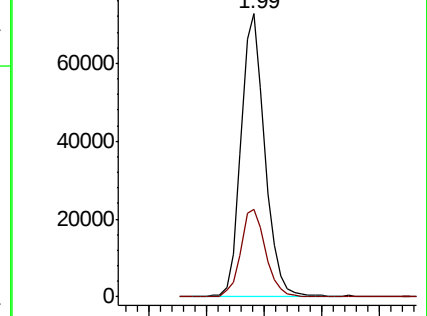
85 100

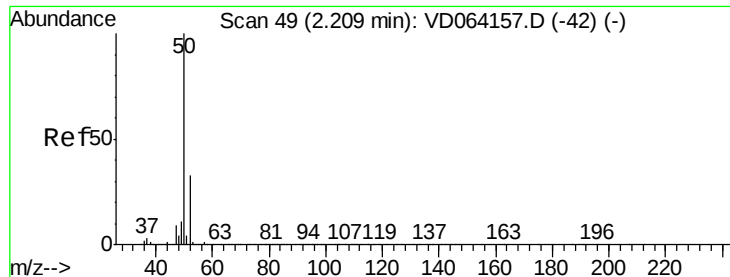
87 31.1 16.4 49.2



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 21.356 ug/l

RT: 2.21 min Scan# 49

Delta R.T. -0.00 min

Lab File: VD064258.D

Acq: 18 Nov 2019 12:09

Instrument :

MSVOA_D

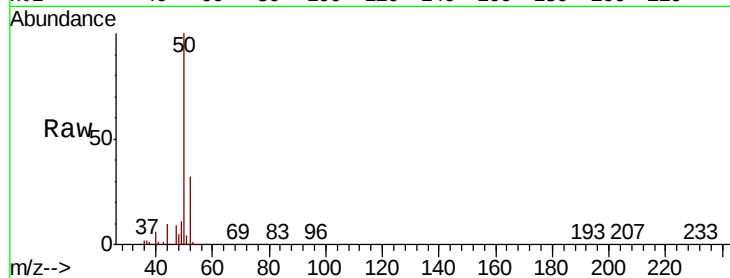
ClientSampleId :

Tot Ion: 50 Resp: 119640

Ion Ratio Lower Upper

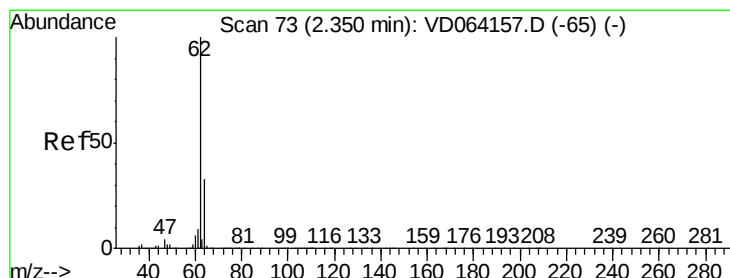
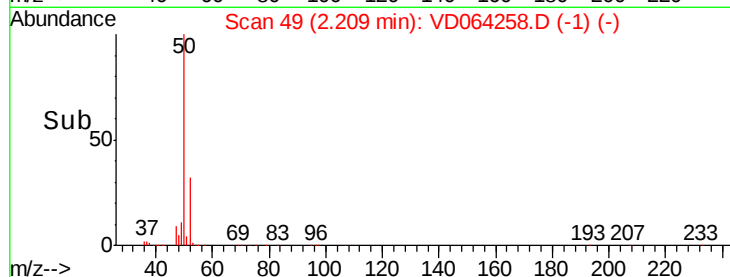
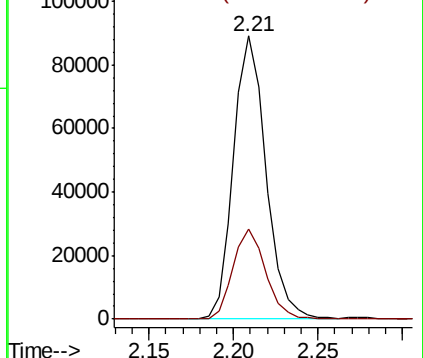
50 100

52 32.0 26.2 39.4



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 23.366 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD064258.D

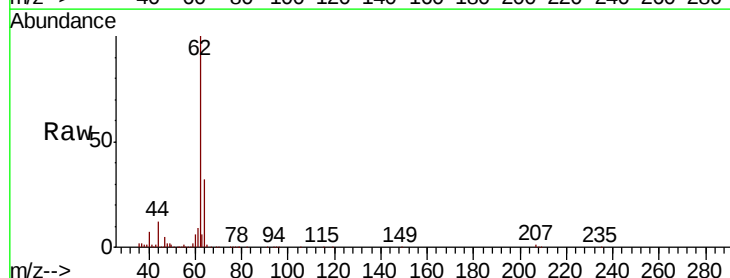
Acq: 18 Nov 2019 12:09

Tgt Ion: 62 Resp: 139983

Ion Ratio Lower Upper

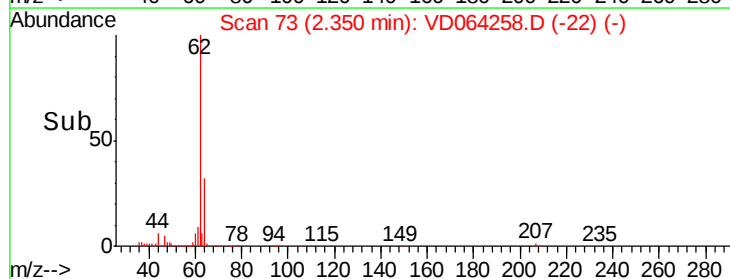
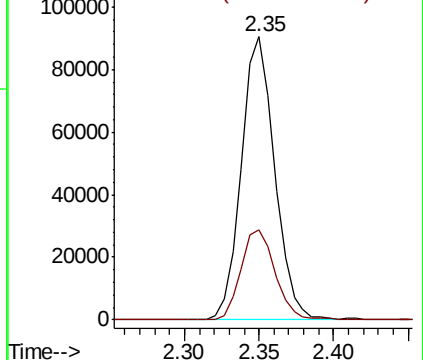
62 100

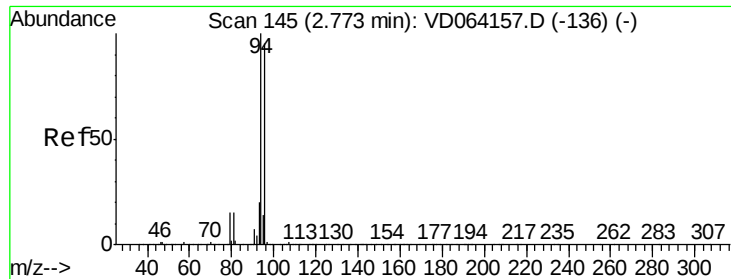
64 31.6 26.2 39.2



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 25.252 ug/l

RT: 2.76 min Scan# 142

Delta R.T. -0.02 min

Lab File: VD064258.D

Acq: 18 Nov 2019 12:09

Instrument :

MSVOA_D

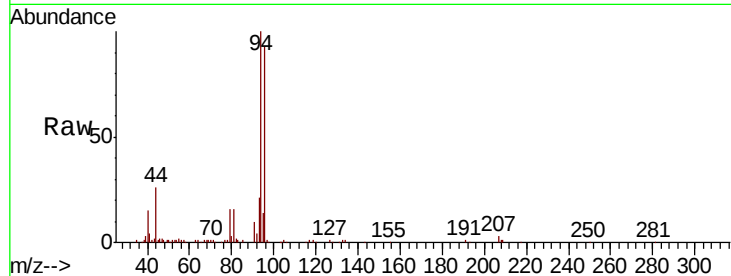
ClientSampleId :

Tot Ion: 94 Resp: 95526

Ion Ratio Lower Upper

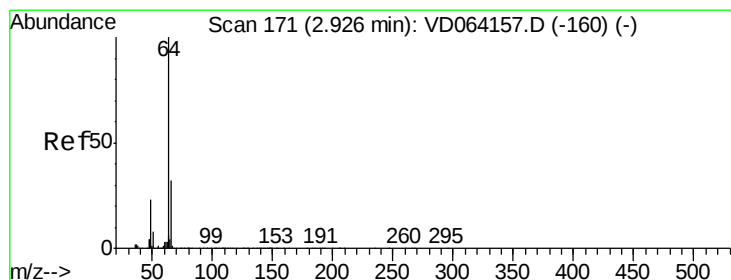
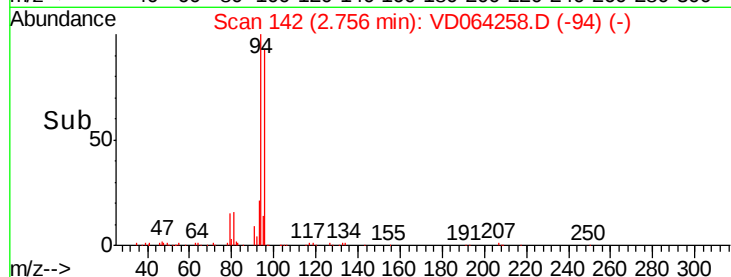
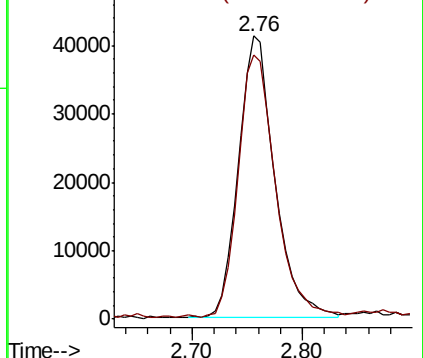
94 100

96 92.2 76.2 114.4



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 24.426 ug/l

RT: 2.91 min Scan# 169

Delta R.T. -0.01 min

Lab File: VD064258.D

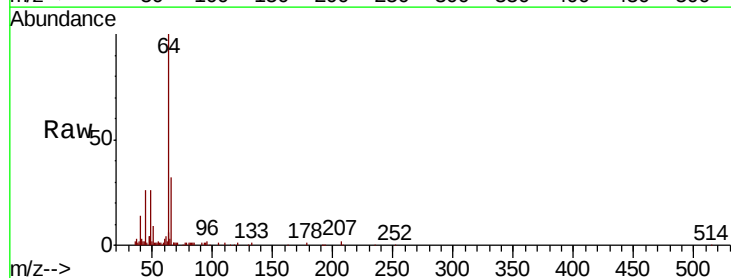
Acq: 18 Nov 2019 12:09

Tgt Ion: 64 Resp: 93504

Ion Ratio Lower Upper

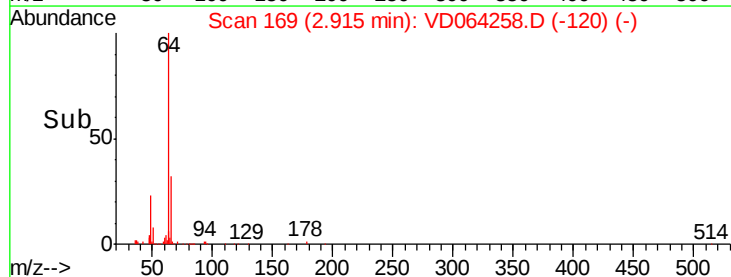
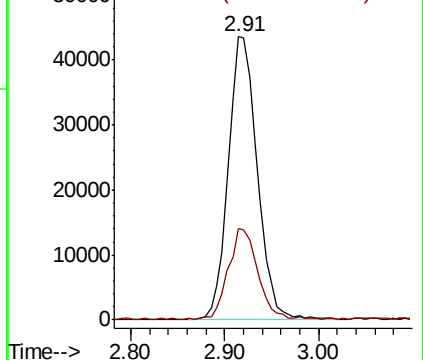
64 100

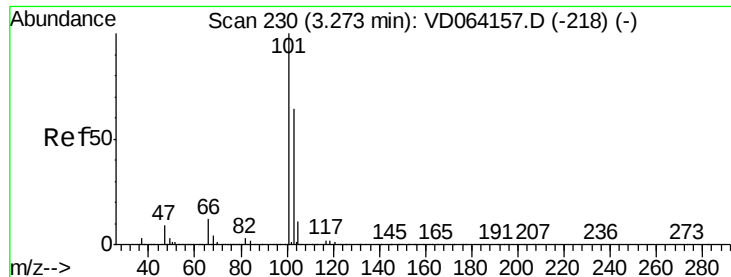
66 32.3 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC



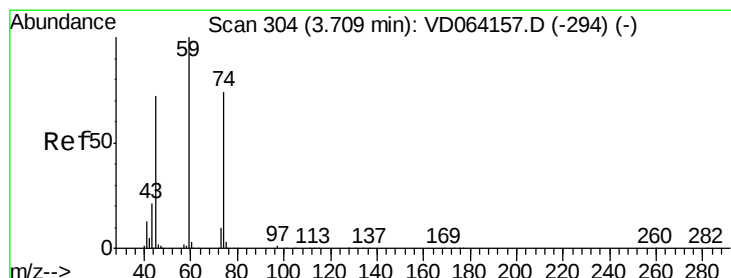
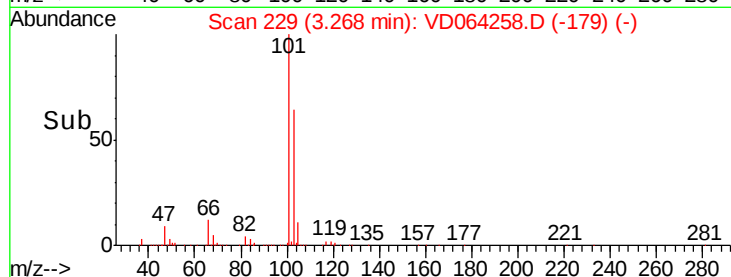
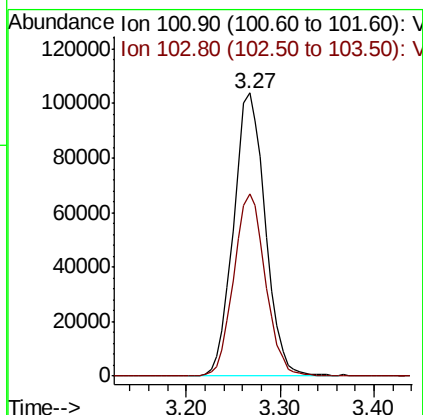
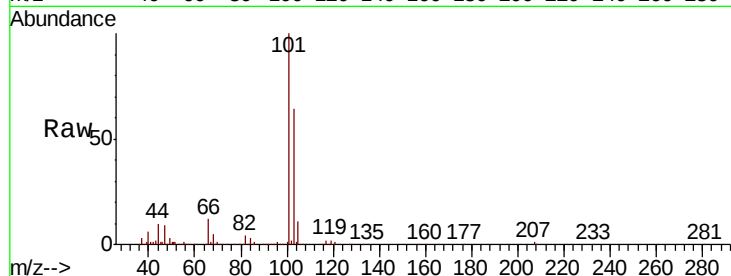


#7

Trichlorofluoromethane
 Concen: 25.090 ug/l
 RT: 3.27 min Scan# 229
 Delta R.T. -0.01 min
 Lab File: VD064258.D
 Acq: 18 Nov 2019 12:09

Instrument :
 MSVOA_D
 ClientSampleId :

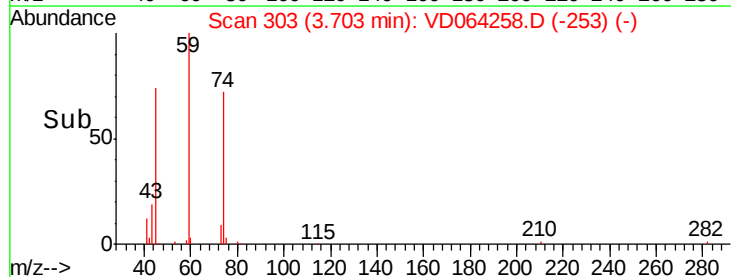
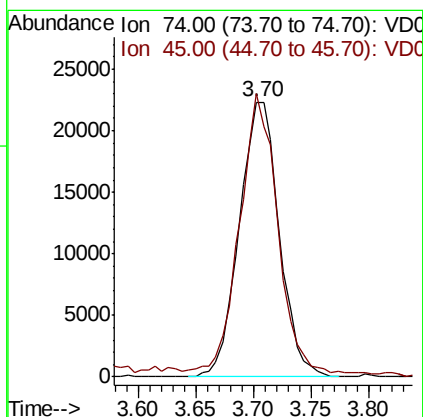
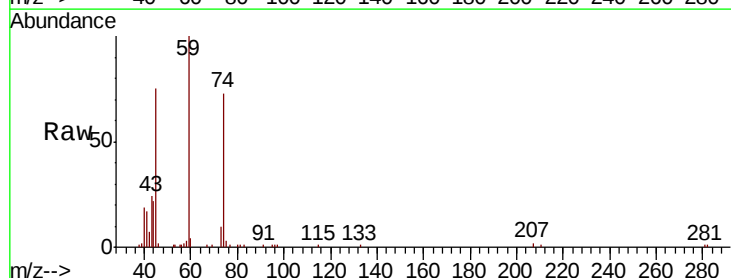
Tot Ion:101 Resp: 243695
 Ion Ratio Lower Upper
 101 100
 103 64.2 50.8 76.2

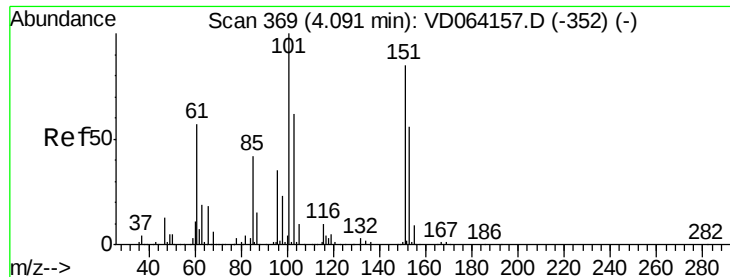


#8

Diethyl Ether
 Concen: 20.101 ug/l
 RT: 3.70 min Scan# 303
 Delta R.T. -0.01 min
 Lab File: VD064258.D
 Acq: 18 Nov 2019 12:09

Tgt Ion: 74 Resp: 53682
 Ion Ratio Lower Upper
 74 100
 45 97.4 47.9 143.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.886 ug/l

RT: 4.09 min Scan# 368

Delta R.T. -0.01 min

Lab File: VD064258.D

Acq: 18 Nov 2019 12:09

Instrument :

MSVOA_D

ClientSampleId :

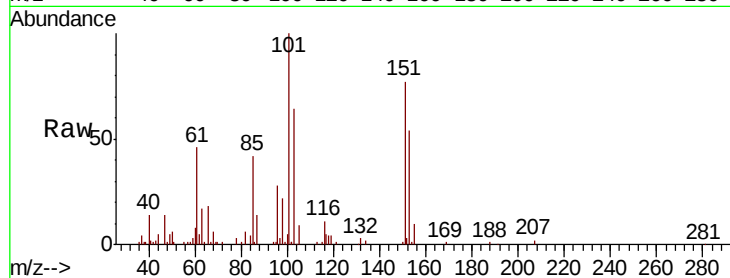
Tot Ion:101 Resp: 115946

Ion Ratio Lower Upper

101 100

85 43.7 34.4 51.6

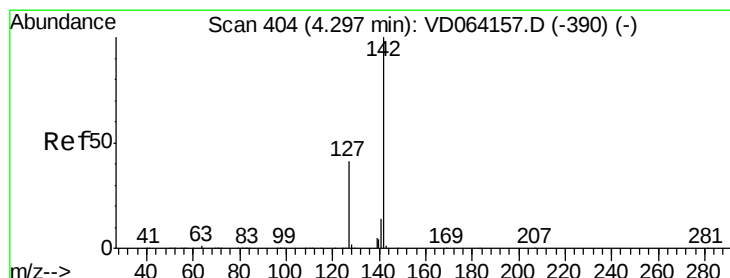
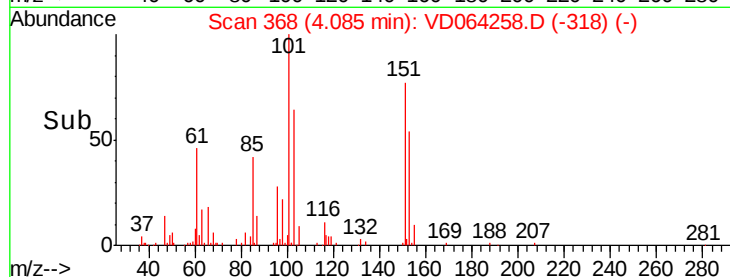
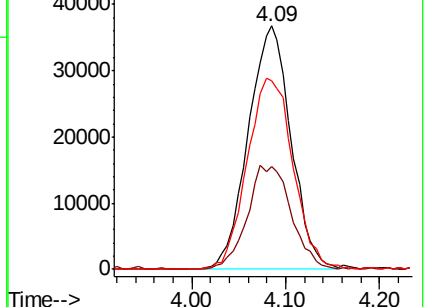
151 84.0 68.1 102.1



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: 19.063 ug/l

RT: 4.29 min Scan# 402

Delta R.T. -0.01 min

Lab File: VD064258.D

Acq: 18 Nov 2019 12:09

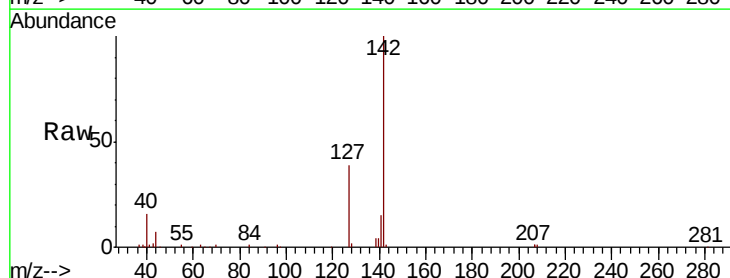
Tgt Ion:142 Resp: 112502

Ion Ratio Lower Upper

142 100

127 43.1 34.4 51.6

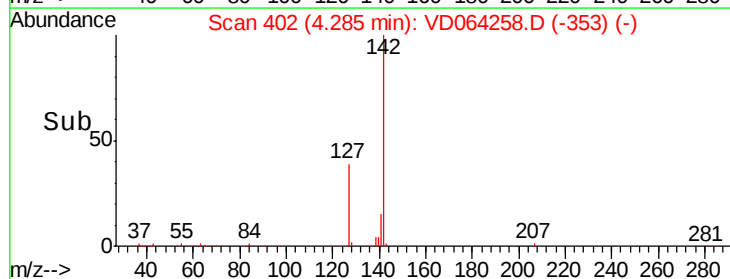
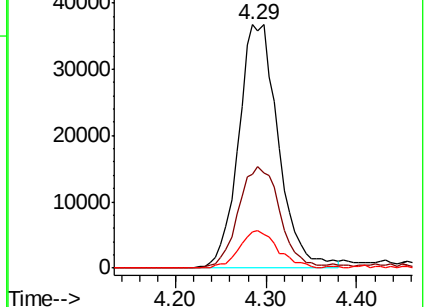
141 14.8 11.2 16.8

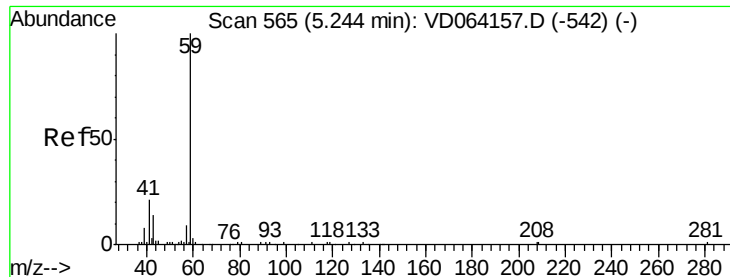


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

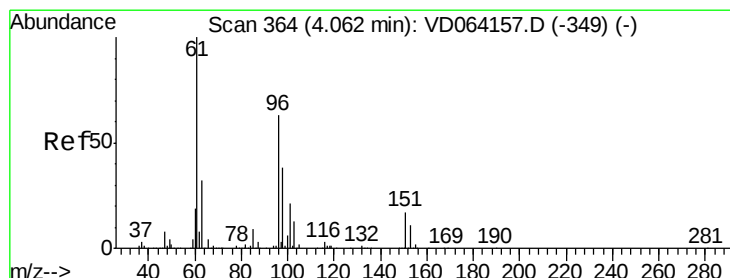
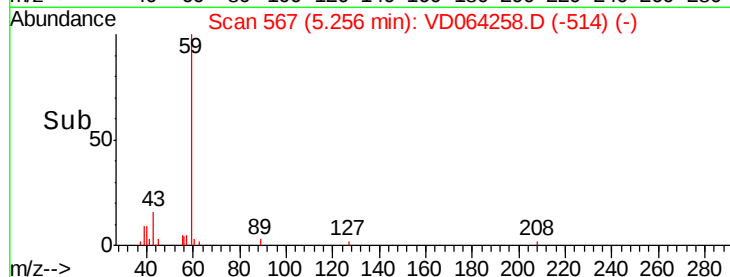
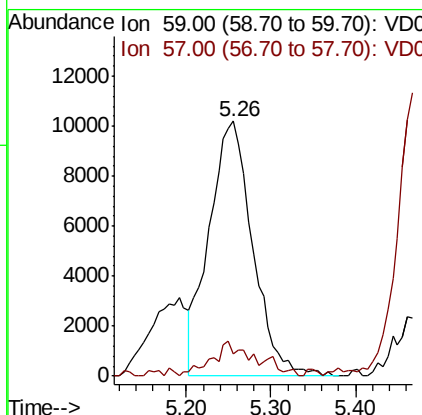
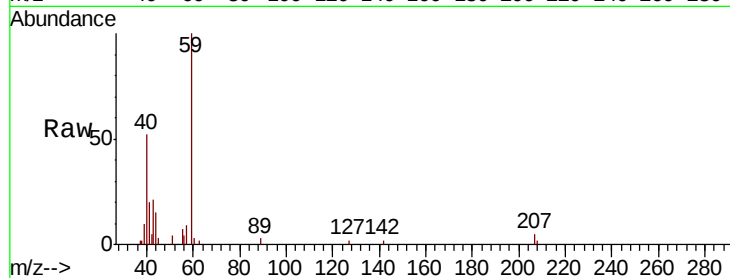




#11
Tert butyl alcohol
Concen: 101.223 ug/l
RT: 5.26 min Scan# 567
Delta R.T. 0.01 min
Lab File: VD064258.D
Acq: 18 Nov 2019 12:09

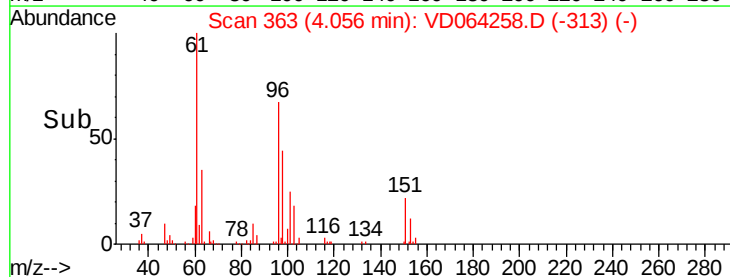
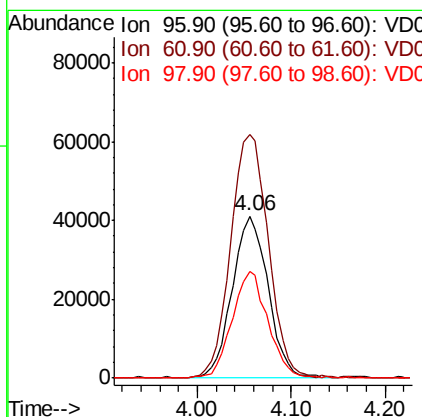
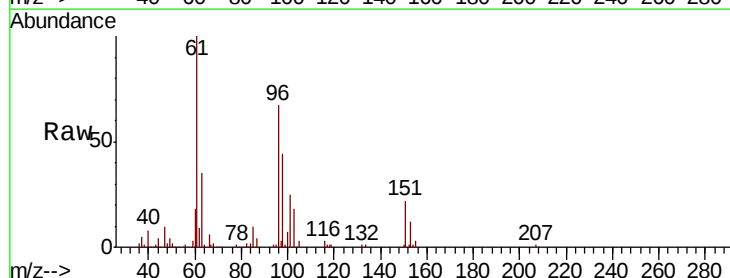
Instrument :
MSVOA_D
ClientSampleId :

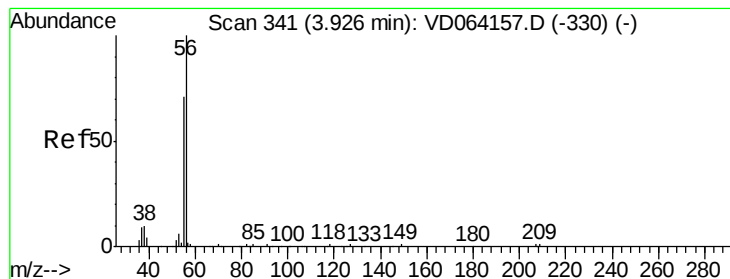
Tot Ion: 59 Resp: 36617
Ion Ratio Lower Upper
59 100
57 10.6 9.4 14.2



#12
1,1-Dichloroethene
Concen: 20.610 ug/l
RT: 4.06 min Scan# 363
Delta R.T. -0.01 min
Lab File: VD064258.D
Acq: 18 Nov 2019 12:09

Tgt Ion: 96 Resp: 109056
Ion Ratio Lower Upper
96 100
61 150.3 127.4 191.2
98 65.8 48.1 72.1





#13

Acrolein

Concen: 74.464 ug/l

RT: 3.93 min Scan# 341

Delta R.T. -0.00 min

Lab File: VD064258.D

Acq: 18 Nov 2019 12:09

Instrument :

MSVOA_D

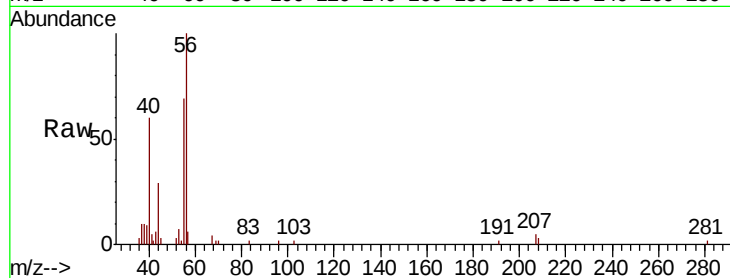
ClientSampleId :

Tot Ion: 56 Resp: 22788

Ion Ratio Lower Upper

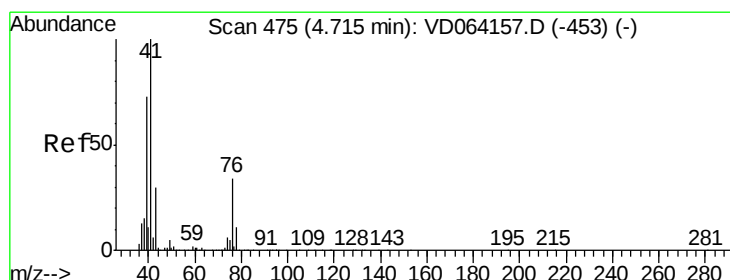
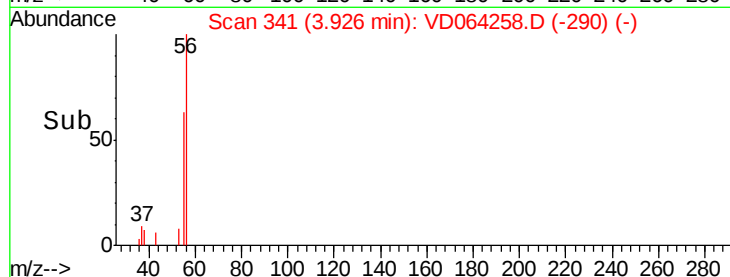
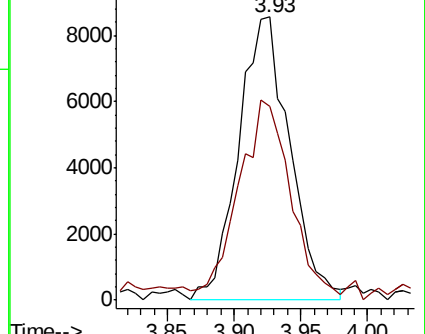
56 100

55 67.5 56.1 84.1



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 19.203 ug/l

RT: 4.70 min Scan# 473

Delta R.T. -0.01 min

Lab File: VD064258.D

Acq: 18 Nov 2019 12:09

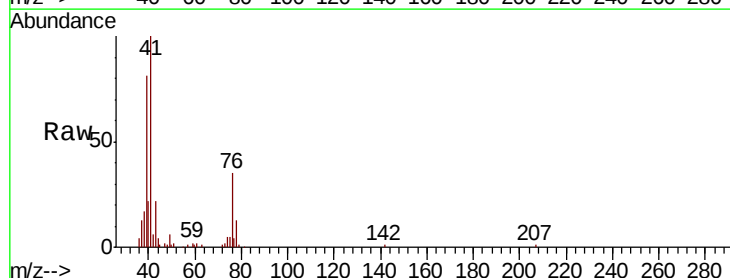
Tgt Ion: 41 Resp: 179660

Ion Ratio Lower Upper

41 100

39 77.1 57.5 86.3

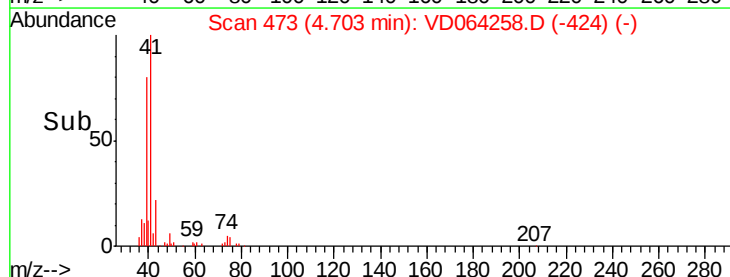
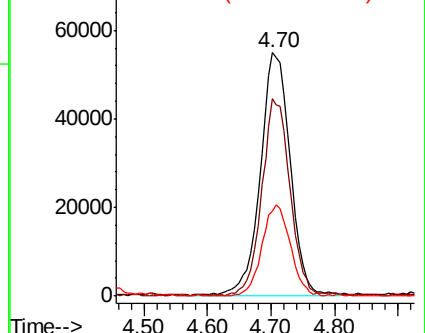
76 35.6 26.8 40.2

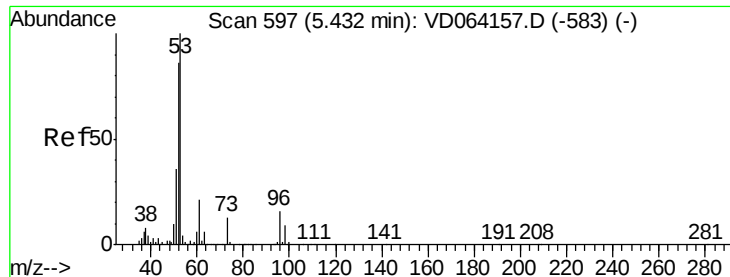


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC





#15

Acrylonitrile

Concen: 105.039 ug/l

RT: 5.43 min Scan# 596

Delta R.T. -0.01 min

Lab File: VD064258.D

Acq: 18 Nov 2019 12:09

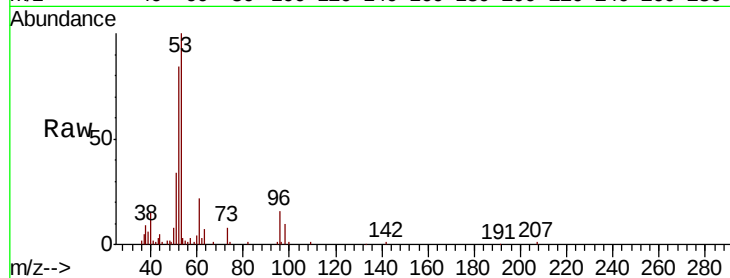
Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 53 Resp: 119590

Ion	Ratio	Lower	Upper
53	100		
52	81.1	66.7	100.1
51	37.6	30.6	46.0

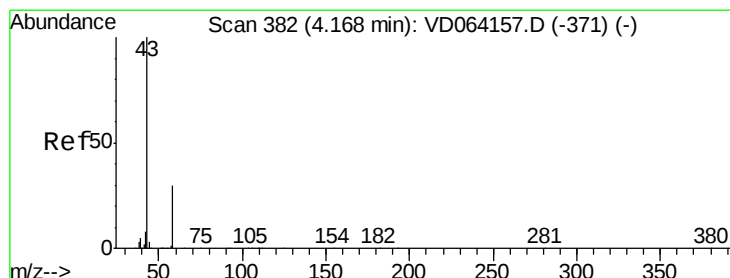
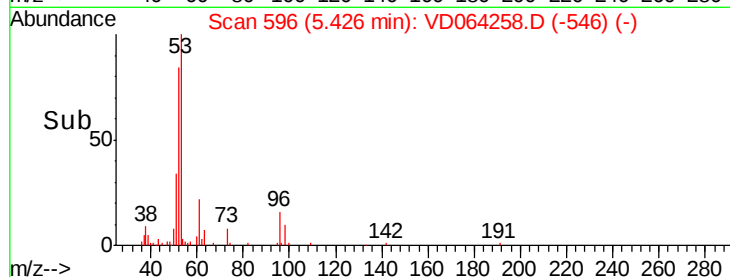
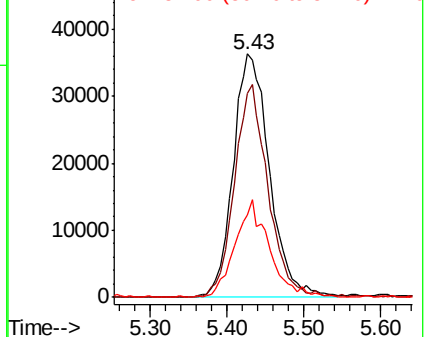


Abundance

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: 78.297 ug/l

RT: 4.17 min Scan# 382

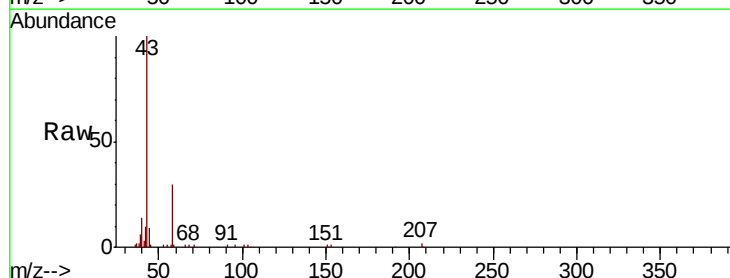
Delta R.T. -0.00 min

Lab File: VD064258.D

Acq: 18 Nov 2019 12:09

Tgt Ion: 43 Resp: 96067

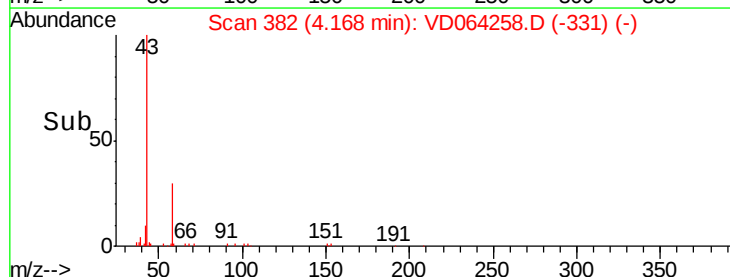
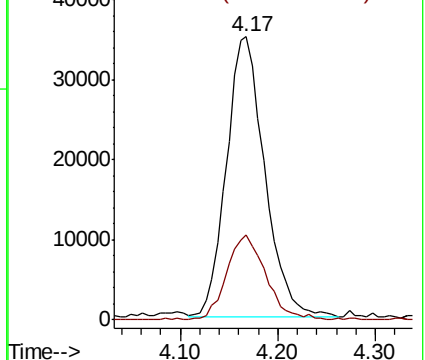
Ion	Ratio	Lower	Upper
43	100		
58	30.4	24.1	36.1

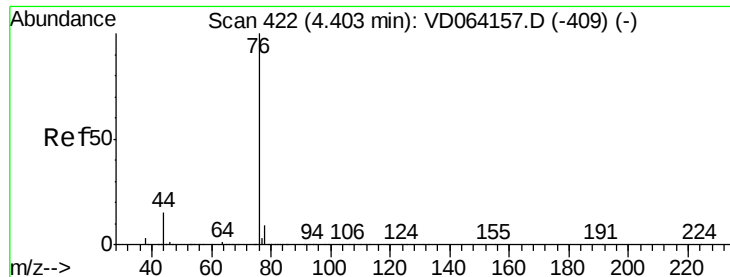


Abundance

Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

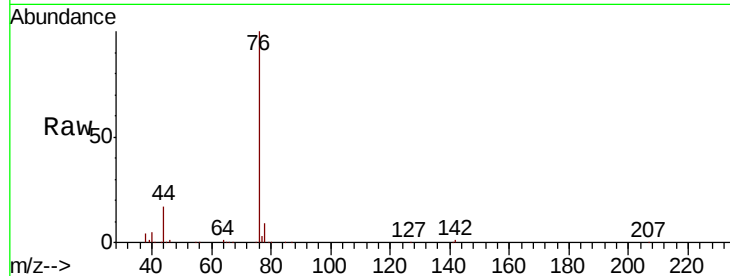




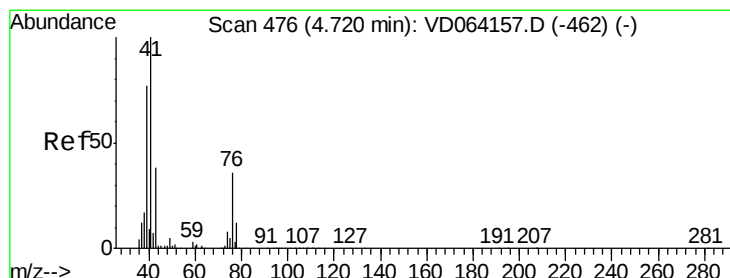
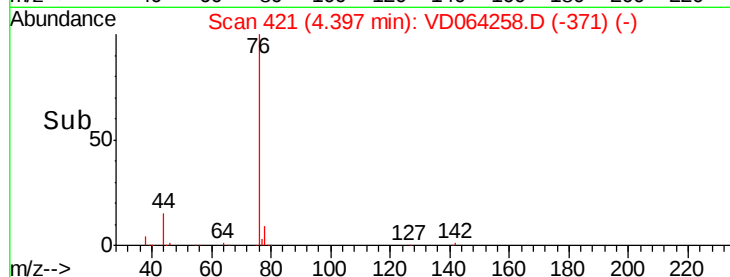
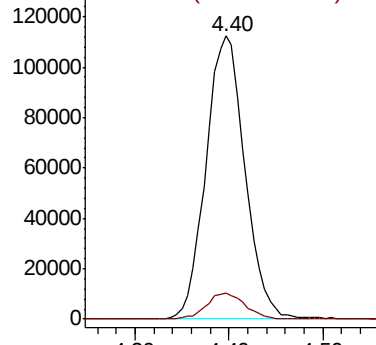
#17
Carbon Disulfide
Concen: 19.540 ug/l
RT: 4.40 min Scan# 421
Delta R.T. -0.01 min
Lab File: VD064258.D
Acq: 18 Nov 2019 12:09

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 76 Resp: 322004
Ion Ratio Lower Upper
76 100
78 9.2 7.2 10.8

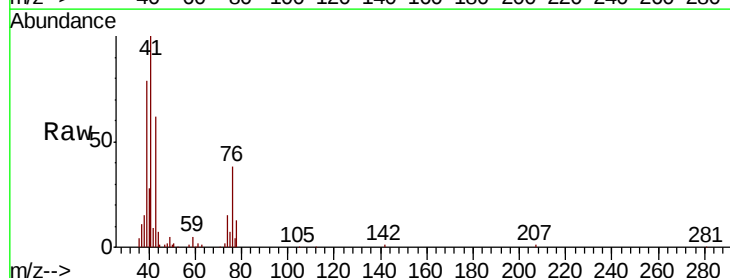


Abundance Ion 75.90 (75.60 to 76.60): VDC
Ion 77.90 (77.60 to 78.60): VDC

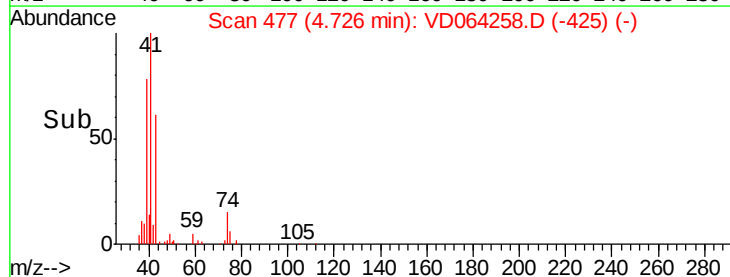
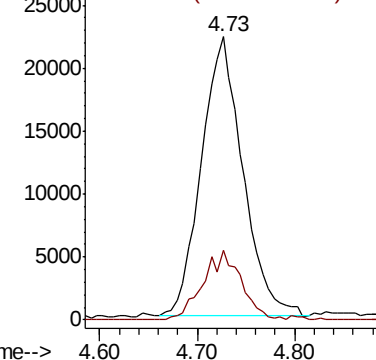


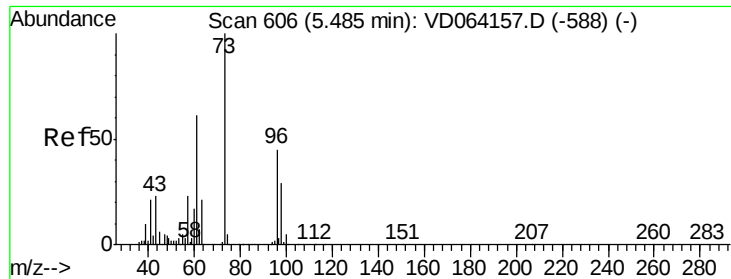
#18
Methyl Acetate
Concen: 19.208 ug/l
RT: 4.73 min Scan# 477
Delta R.T. 0.01 min
Lab File: VD064258.D
Acq: 18 Nov 2019 12:09

Tgt Ion: 43 Resp: 65823
Ion Ratio Lower Upper
43 100
74 22.9 18.4 27.6



Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 74.00 (73.70 to 74.70): VDC

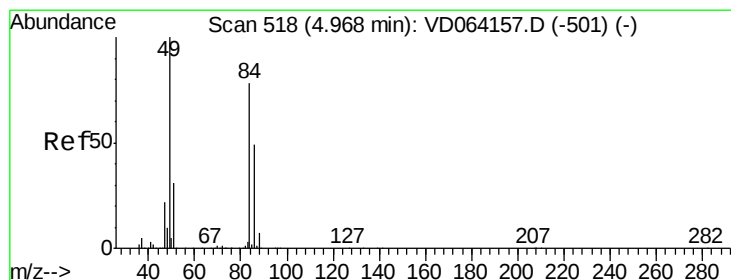
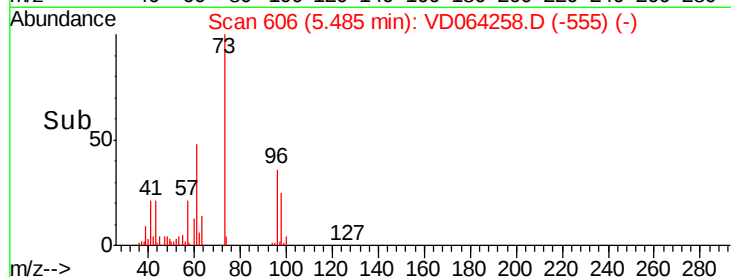
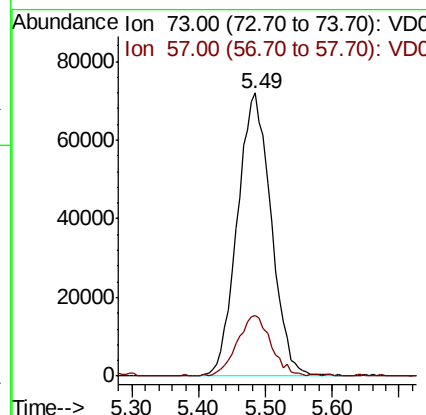
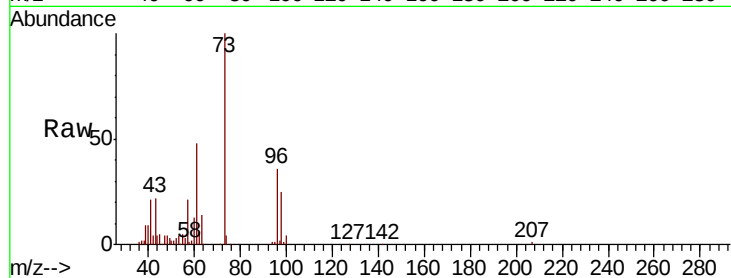




#19
Methyl tert-butyl Ether
Concen: 19.928 ug/l
RT: 5.49 min Scan# 606
Delta R.T. -0.00 min
Lab File: VD064258.D
Acq: 18 Nov 2019 12:09

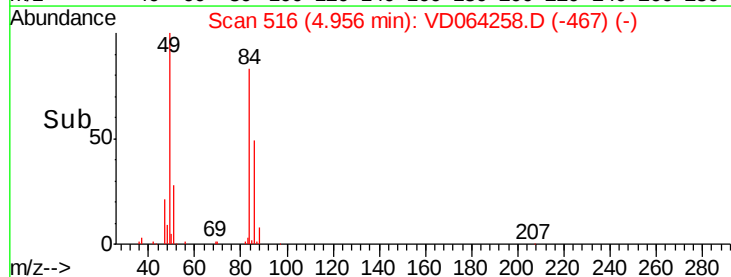
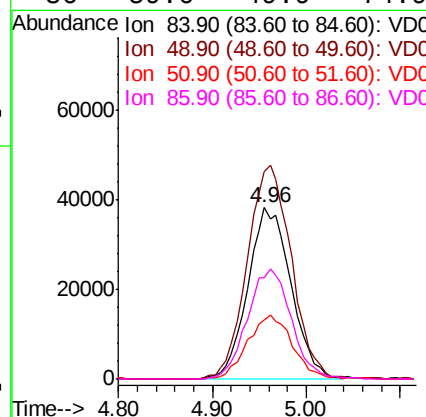
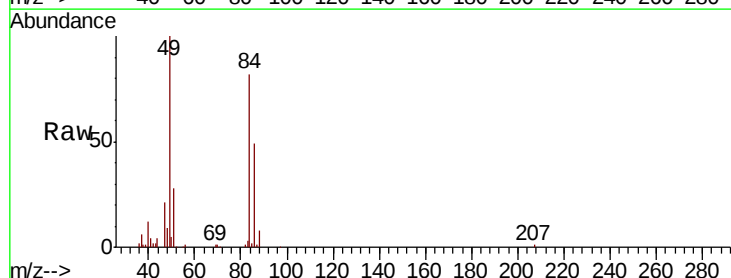
Instrument :
MSVOA_D
ClientSampled :

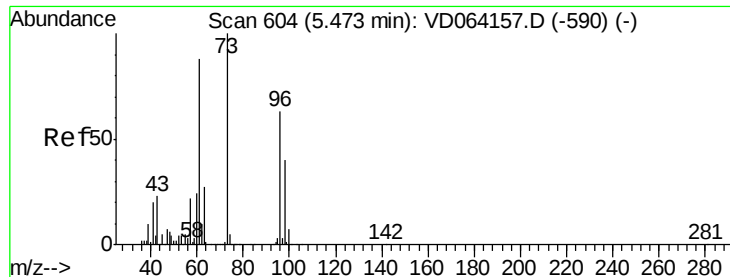
Tot Ion: 73 Resp: 251741
Ion Ratio Lower Upper
73 100
57 21.1 18.4 27.6



#20
Methylene Chloride
Concen: 19.579 ug/l
RT: 4.96 min Scan# 516
Delta R.T. -0.01 min
Lab File: VD064258.D
Acq: 18 Nov 2019 12:09

Tgt Ion: 84 Resp: 121347
Ion Ratio Lower Upper
84 100
49 121.5 102.1 153.1
51 34.3 32.2 48.2
86 59.0 49.9 74.9





#21

trans-1,2-Dichloroethene

Concen: 20.522 ug/l

RT: 5.47 min Scan# 604

Delta R.T. -0.00 min

Lab File: VD064258.D

Acq: 18 Nov 2019 12:09

Instrument :

MSVOA_D

ClientSampleId :

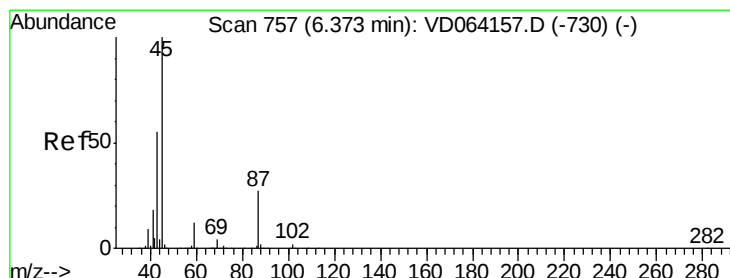
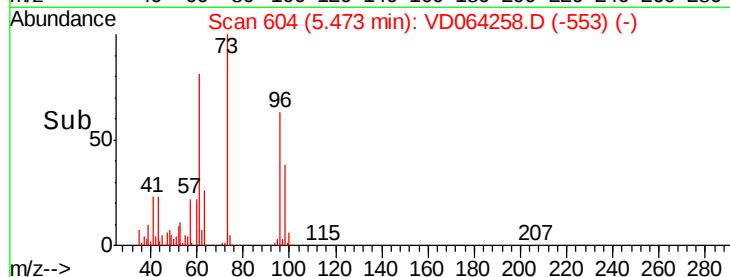
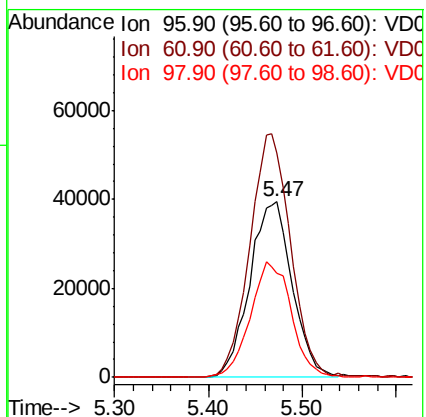
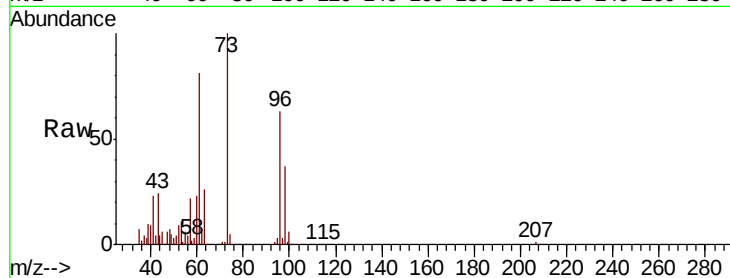
Tot Ion: 96 Resp: 123034

Ion Ratio Lower Upper

96 100

61 128.2 111.8 167.6

98 59.5 50.3 75.5



#22

Diisopropyl ether

Concen: 19.446 ug/l

RT: 6.37 min Scan# 757

Delta R.T. -0.00 min

Lab File: VD064258.D

Acq: 18 Nov 2019 12:09

Tgt Ion: 45 Resp: 337571

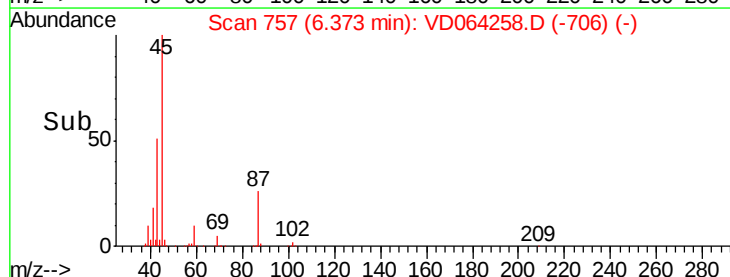
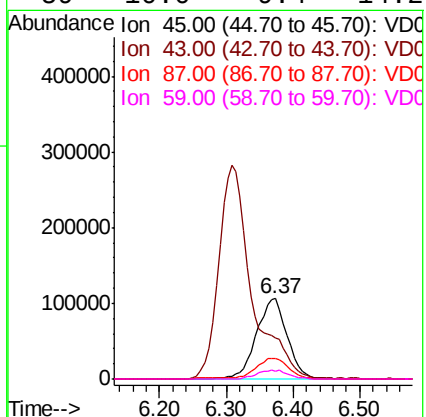
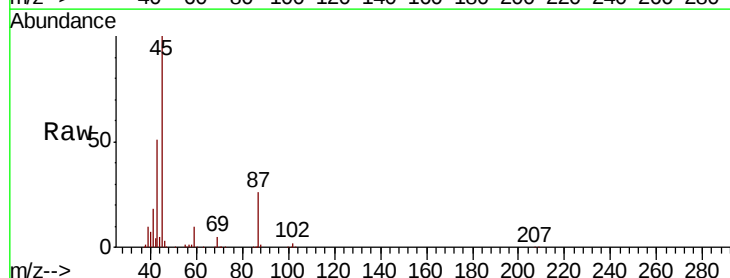
Ion Ratio Lower Upper

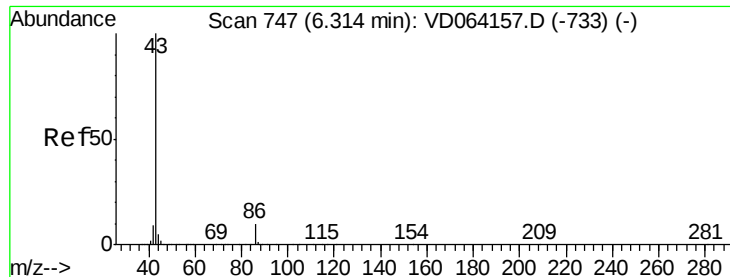
45 100

43 50.5 44.4 66.6

87 25.8 21.9 32.9

59 10.0 9.4 14.2

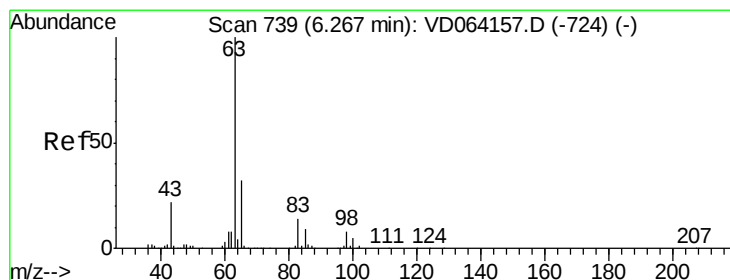
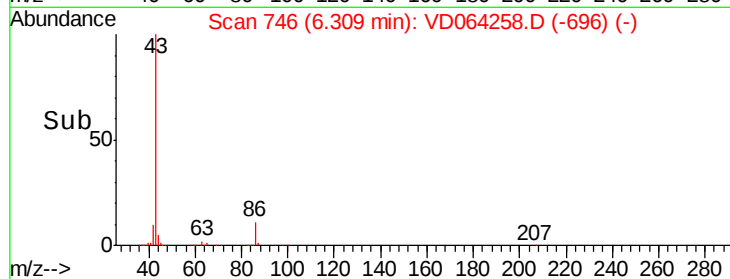
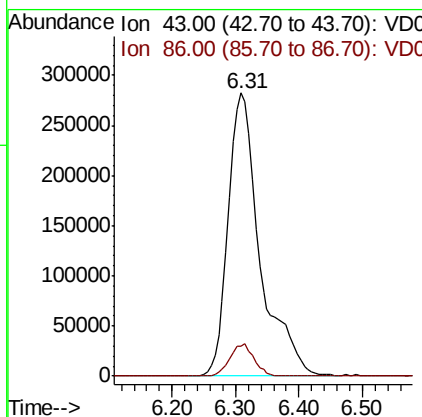
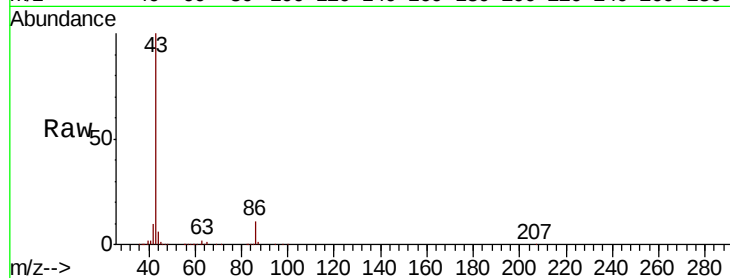




#23
 Vinyl Acetate
 Concen: 101.154 ug/l
 RT: 6.31 min Scan# 746
 Delta R.T. -0.01 min
 Lab File: VD064258.D
 Acq: 18 Nov 2019 12:09

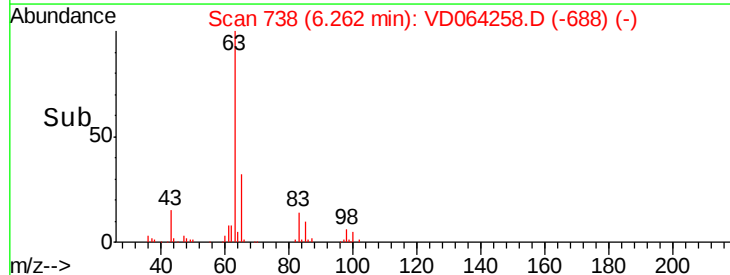
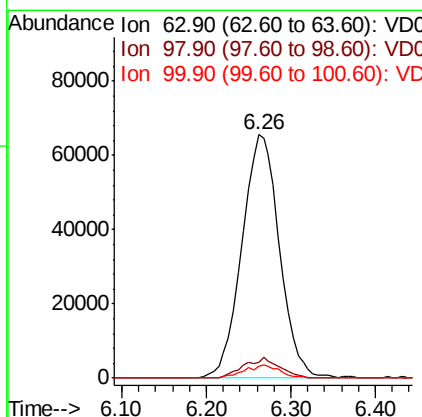
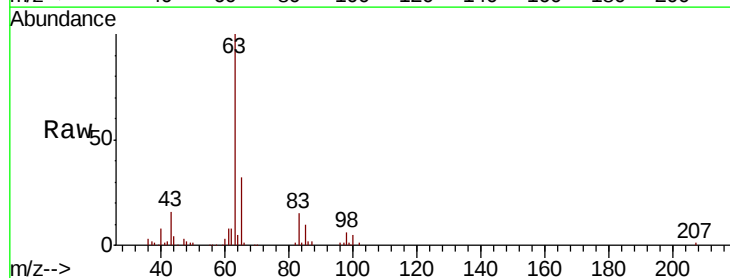
Instrument :
 MSVOA_D
 ClientSampleId :

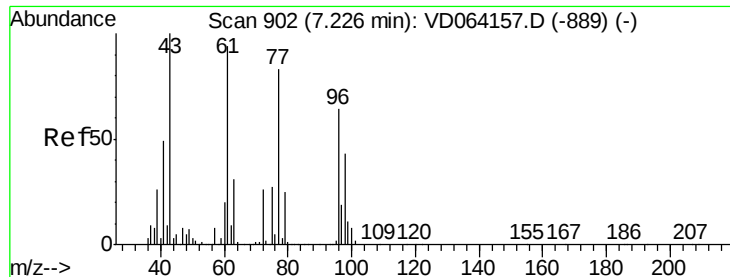
Tot Ion: 43 Resp: 978812
 Ion Ratio Lower Upper
 43 100
 86 10.5 8.2 12.2



#24
 1,1-Dichloroethane
 Concen: 20.099 ug/l
 RT: 6.26 min Scan# 738
 Delta R.T. -0.01 min
 Lab File: VD064258.D
 Acq: 18 Nov 2019 12:09

Tgt Ion: 63 Resp: 202586
 Ion Ratio Lower Upper
 63 100
 98 7.1 3.8 11.4
 100 5.1 2.4 7.2





#25

2-Butanone

Concen: 95.035 ug/l

RT: 7.22 min Scan# 901

Delta R.T. -0.01 min

Lab File: VD064258.D

Acq: 18 Nov 2019 12:09

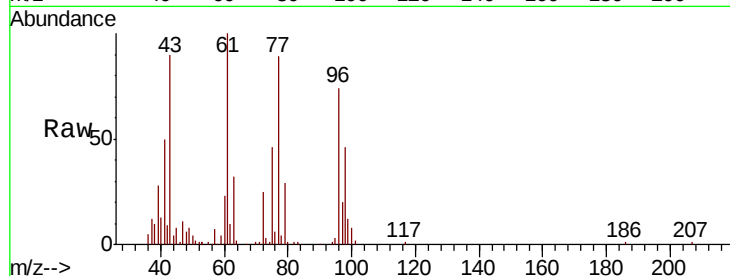
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 43 Resp: 150645

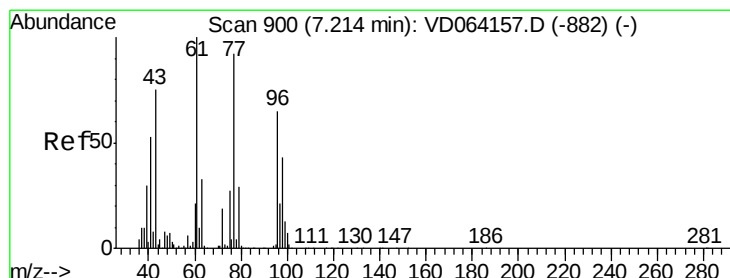
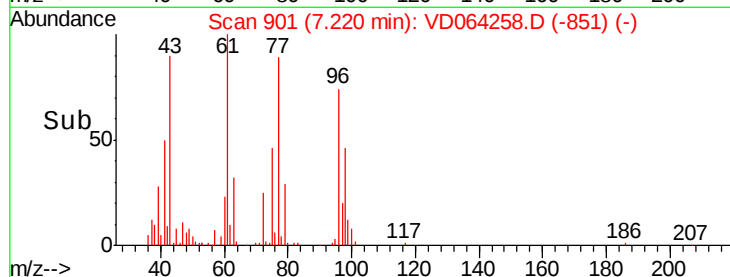
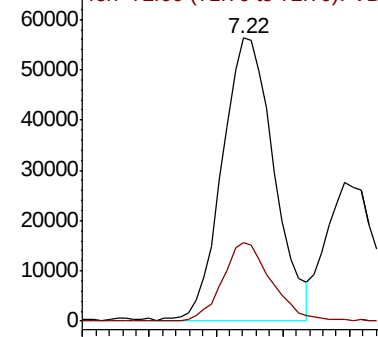
Ion Ratio Lower Upper

43 100

72 28.0 20.6 30.8



Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 19.679 ug/l

RT: 7.20 min Scan# 898

Delta R.T. -0.01 min

Lab File: VD064258.D

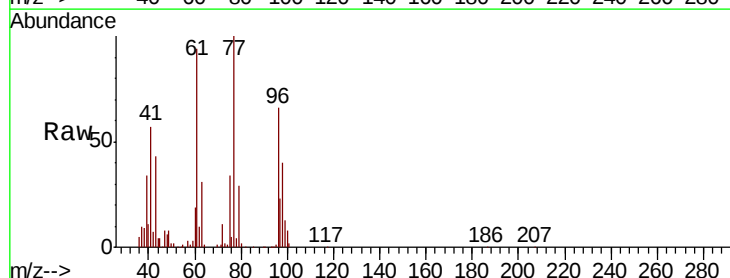
Acq: 18 Nov 2019 12:09

Tgt Ion: 77 Resp: 194521

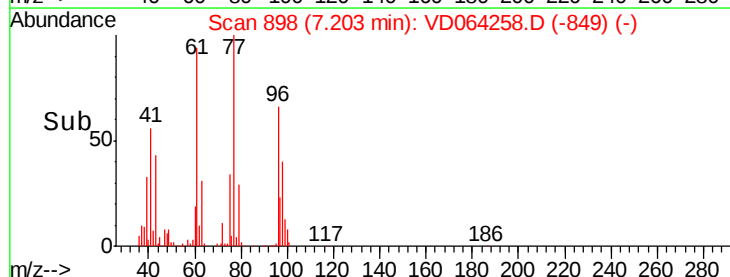
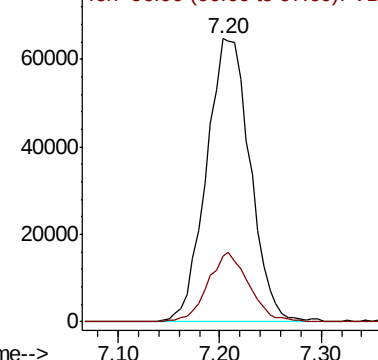
Ion Ratio Lower Upper

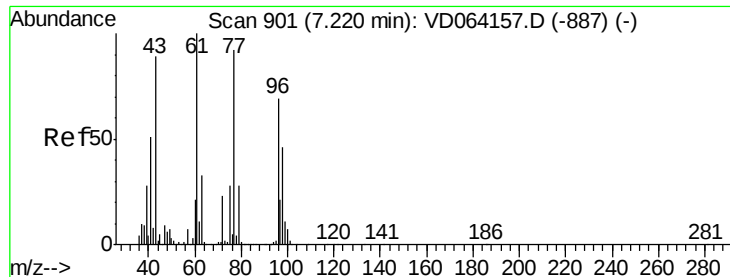
77 100

97 23.2 11.1 33.3



Abundance Ion 76.90 (76.60 to 77.60): VDC
Ion 96.90 (96.60 to 97.60): VDC



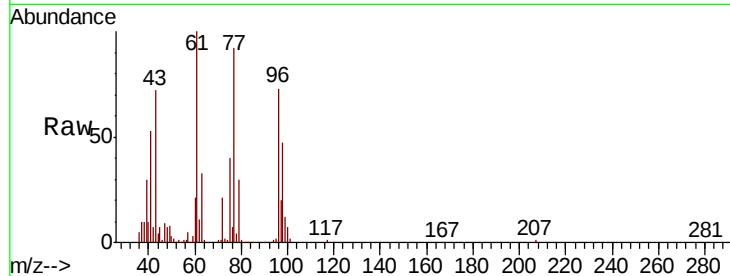


#27

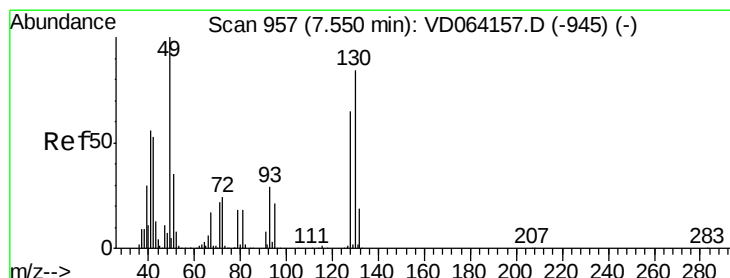
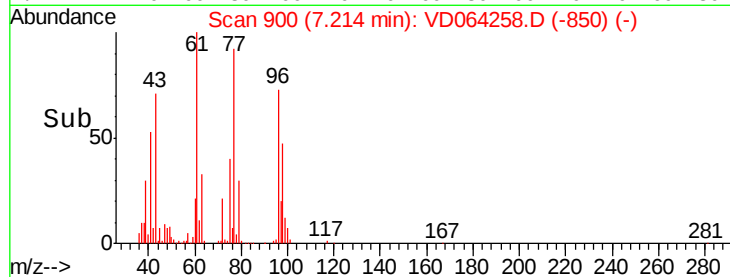
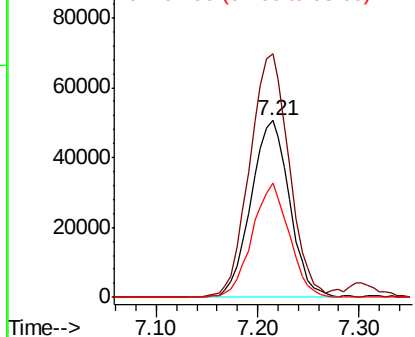
cis-1,2-Dichloroethene
Concen: 20.916 ug/l
RT: 7.21 min Scan# 900
Delta R.T. -0.01 min
Lab File: VD064258.D
Acq: 18 Nov 2019 12:09

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion	96	Resp	134470
Ion Ratio	Lower	Upper	
96	100		
61	140.7	0.0	301.4
98	62.2	0.0	133.2



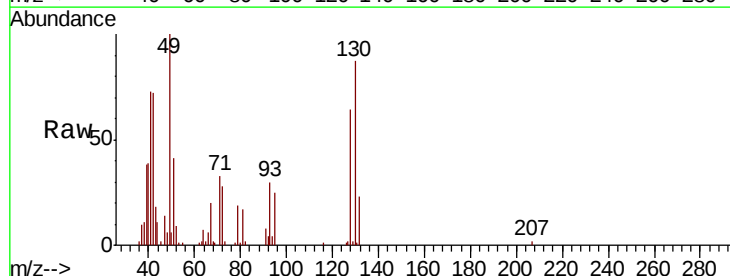
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.90 (60.60 to 61.60): VDC
Ion 97.90 (97.60 to 98.60): VDC



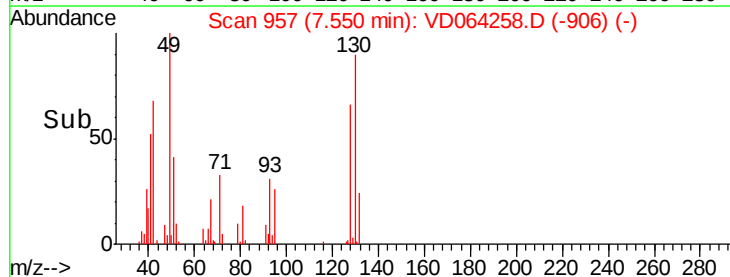
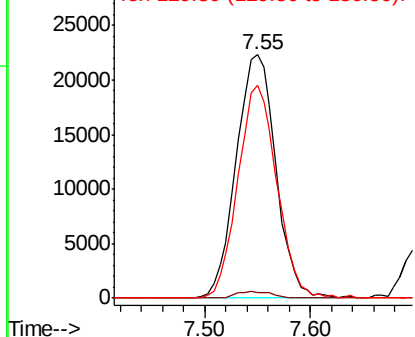
#28

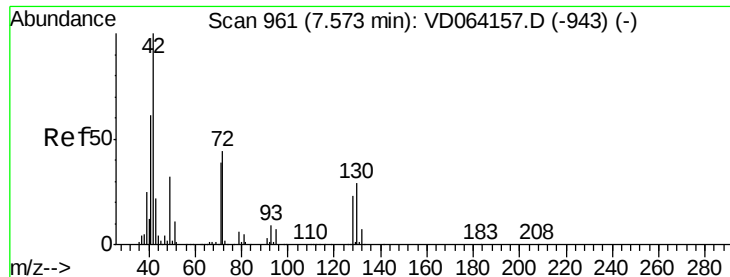
Bromochloromethane
Concen: 16.566 ug/l
RT: 7.55 min Scan# 957
Delta R.T. -0.00 min
Lab File: VD064258.D
Acq: 18 Nov 2019 12:09

Tgt Ion	49	Resp	58130
Ion Ratio	Lower	Upper	
49	100		
129	2.4	0.0	4.4
130	86.0	66.8	100.2



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: 102.869 ug/l

RT: 7.57 min Scan# 960

Delta R.T. -0.01 min

Lab File: VD064258.D

Acq: 18 Nov 2019 12:09

Instrument :

MSVOA_D

ClientSampleId :

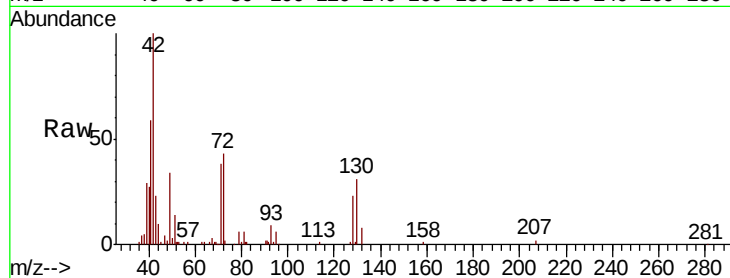
Tot Ion: 42 Resp: 97972

Ion Ratio Lower Upper

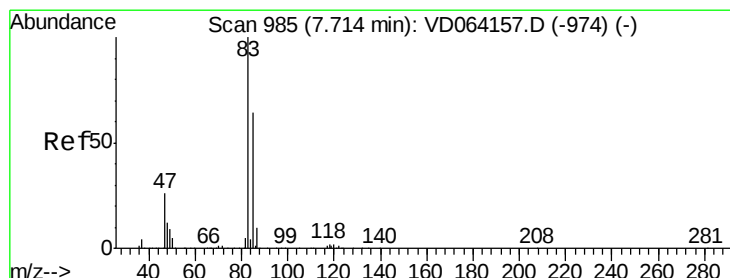
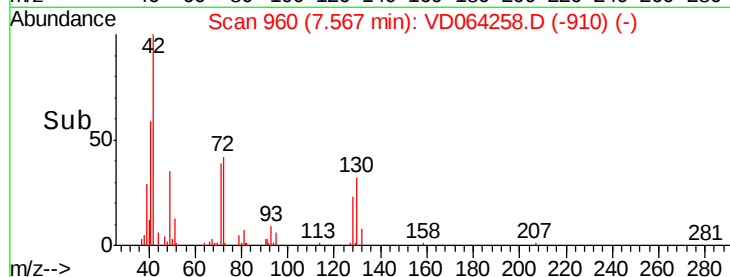
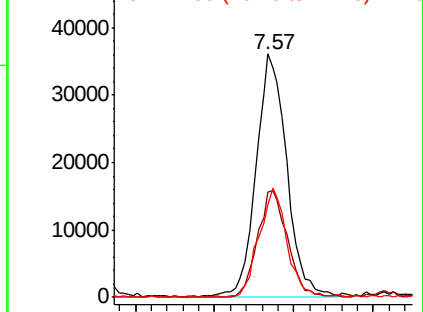
42 100

72 42.7 33.4 50.2

71 40.8 31.0 46.4



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: 21.459 ug/l

RT: 7.71 min Scan# 985

Delta R.T. -0.00 min

Lab File: VD064258.D

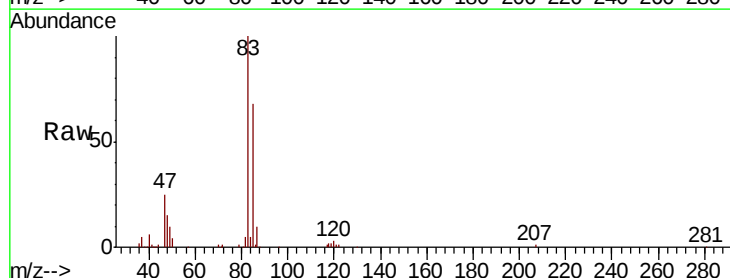
Acq: 18 Nov 2019 12:09

Tgt Ion: 83 Resp: 221238

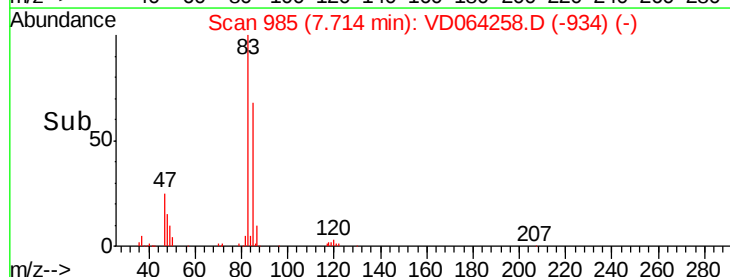
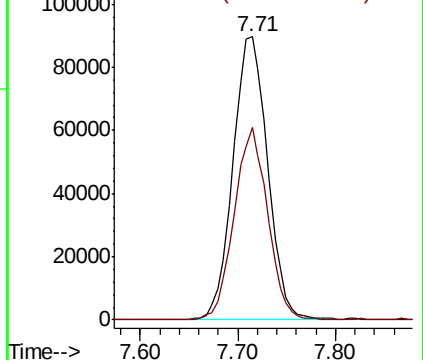
Ion Ratio Lower Upper

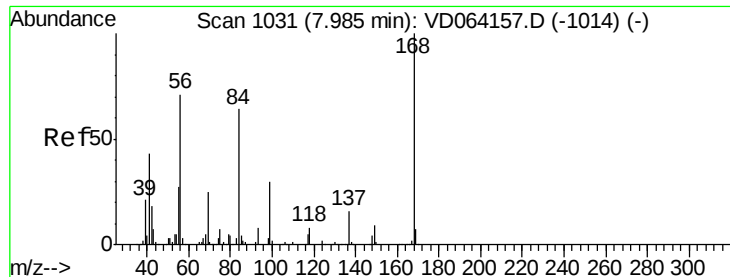
83 100

85 68.2 51.4 77.0



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

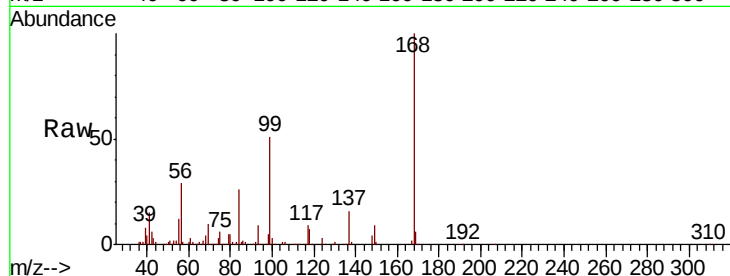




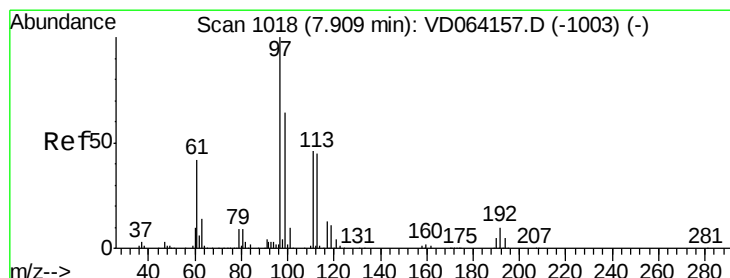
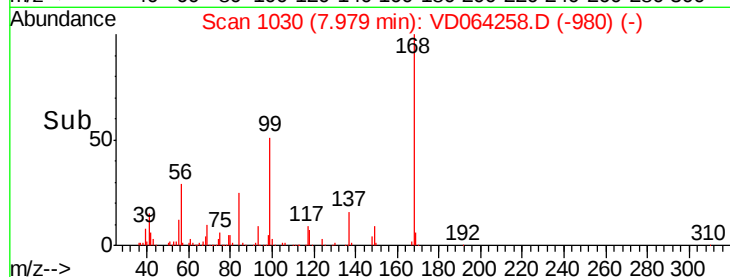
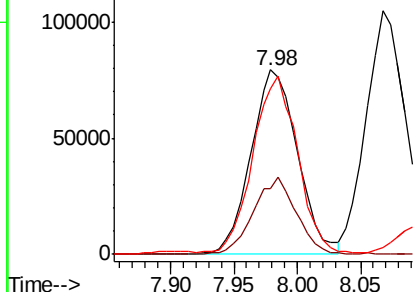
#31
Cyclohexane
Concen: 20.024 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD064258.D
Acq: 18 Nov 2019 12:09

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 56 Resp: 203548
Ion Ratio Lower Upper
56 100
69 35.4 28.2 42.4
84 88.2 71.8 107.6

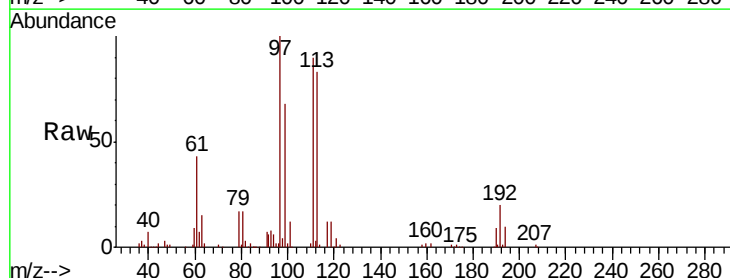


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

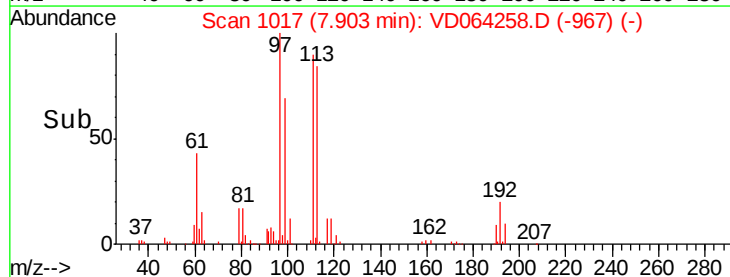
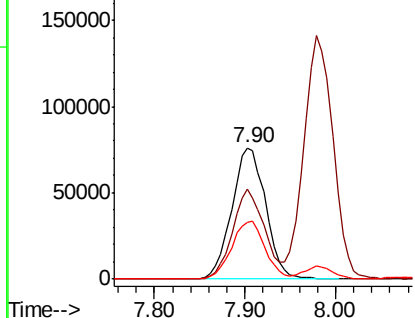


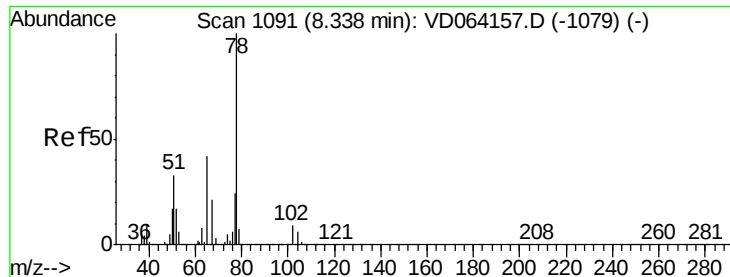
#32
1,1,1-Trichloroethane
Concen: 19.971 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. -0.01 min
Lab File: VD064258.D
Acq: 18 Nov 2019 12:09

Tgt Ion: 97 Resp: 197157
Ion Ratio Lower Upper
97 100
99 63.9 51.6 77.4
61 43.4 34.2 51.2



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





#33

1,2-Dichloroethane-d4

Concen: 49.032 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. -0.01 min

Lab File: VD064258.D

Acq: 18 Nov 2019 12:09

Instrument :

MSVOA_D

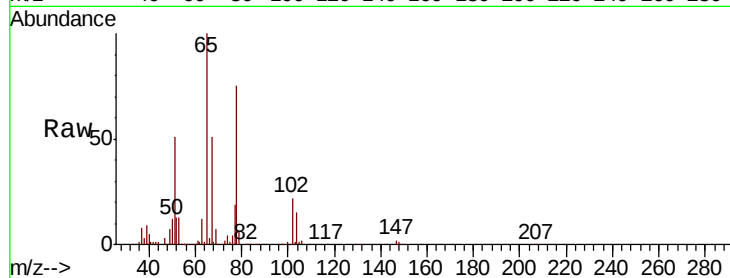
ClientSampleId :

Tot Ion: 65 Resp: 253945

Ion Ratio Lower Upper

65 100

67 51.6 0.0 104.4



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC

8.33

120000

100000

80000

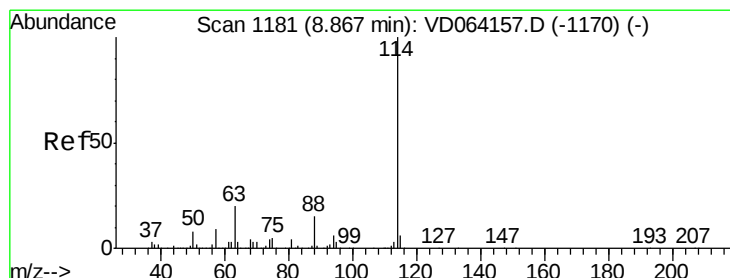
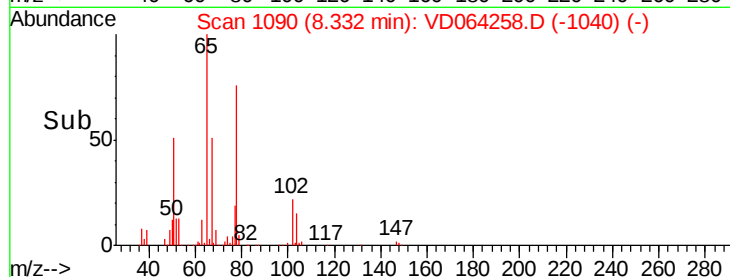
60000

40000

20000

0

Time--> 8.20 8.30 8.40



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. -0.00 min

Lab File: VD064258.D

Acq: 18 Nov 2019 12:09

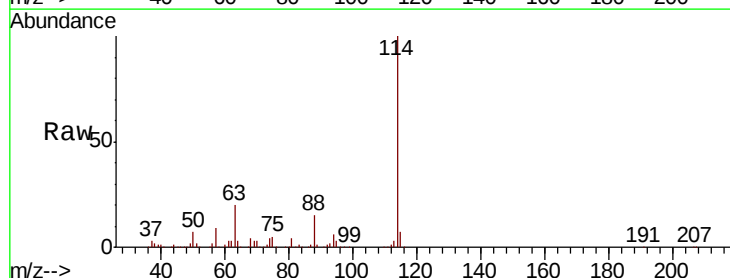
Tgt Ion: 114 Resp: 888095

Ion Ratio Lower Upper

114 100

63 19.5 0.0 40.0

88 14.8 0.0 30.2



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

600000

500000

400000

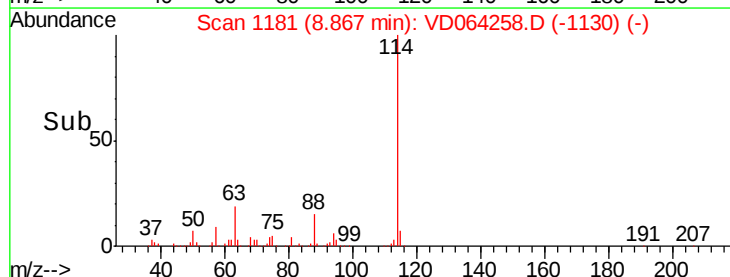
300000

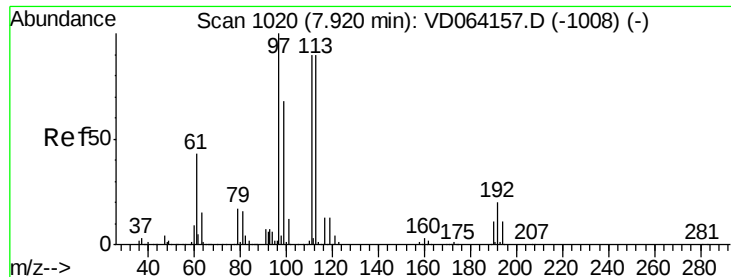
200000

100000

0

Time--> 8.80 8.90 9.00

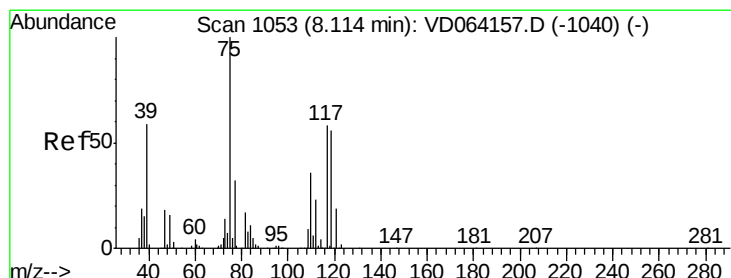
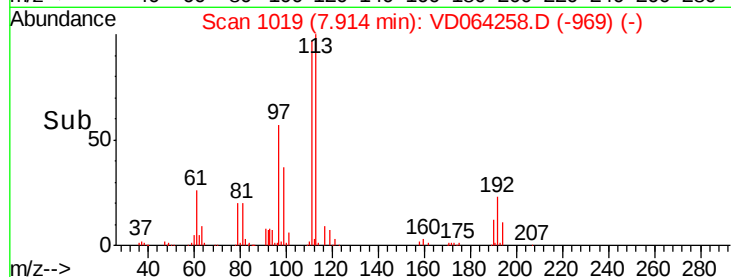
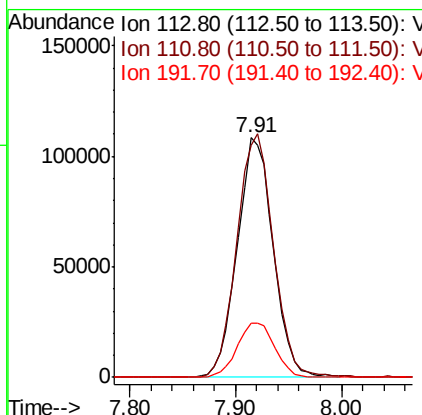
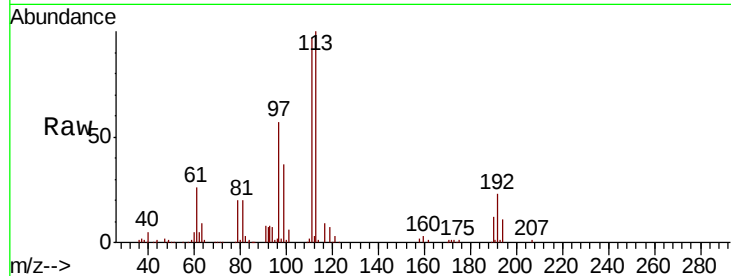




#35
 Dibromofluoromethane
 Concen: 50.315 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. -0.01 min
 Lab File: VD064258.D
 Acq: 18 Nov 2019 12:09

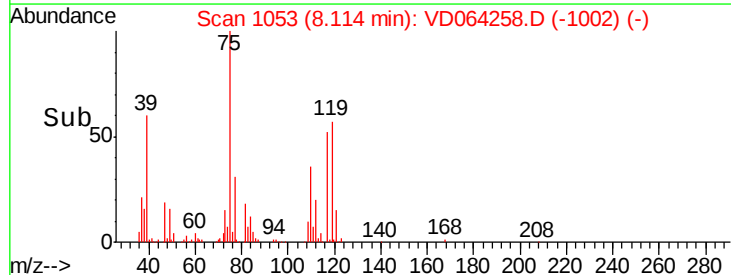
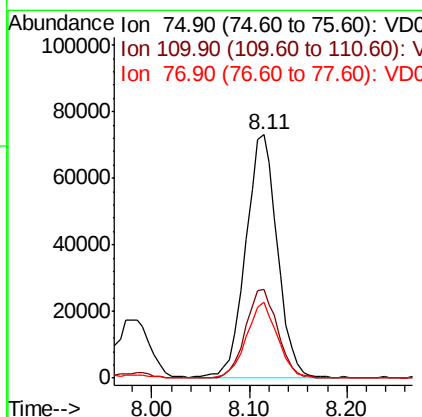
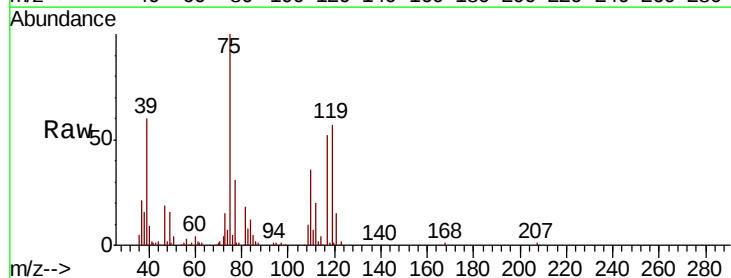
Instrument :
 MSVOA_D
 ClientSampled :

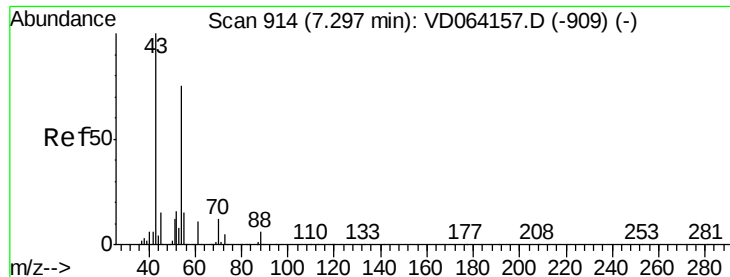
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.8	81.5	122.3
192	23.6	18.8	28.2



#36
 1,1-Dichloropropene
 Concen: 20.364 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. -0.00 min
 Lab File: VD064258.D
 Acq: 18 Nov 2019 12:09

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.7	18.3	54.9
77	30.6	25.0	37.6

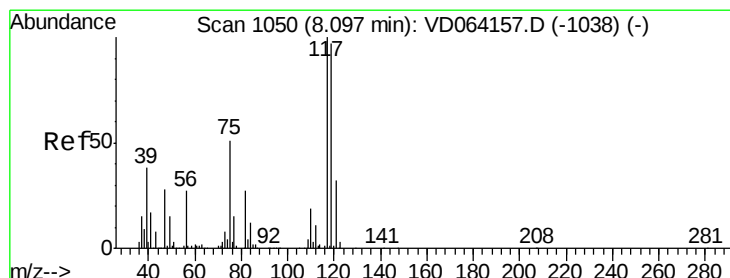
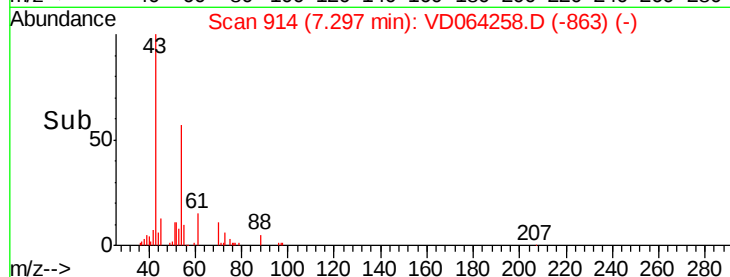
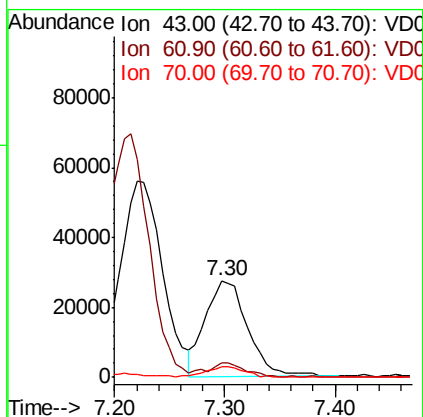
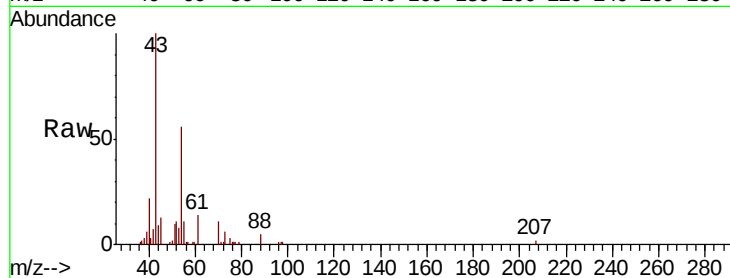




#37
Ethyl Acetate
Concen: 21.073 ug/l
RT: 7.30 min Scan# 914
Delta R.T. -0.00 min
Lab File: VD064258.D
Acq: 18 Nov 2019 12:09

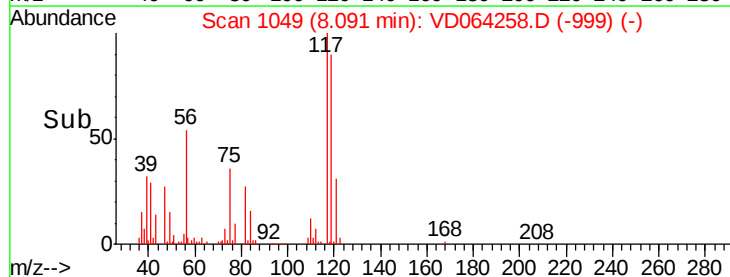
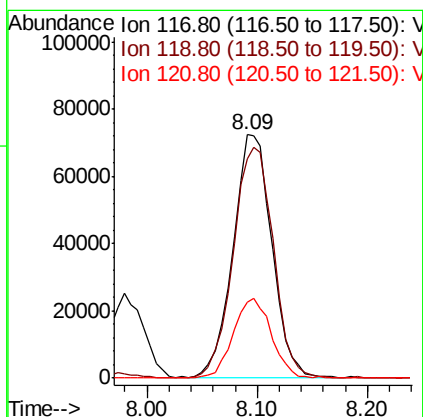
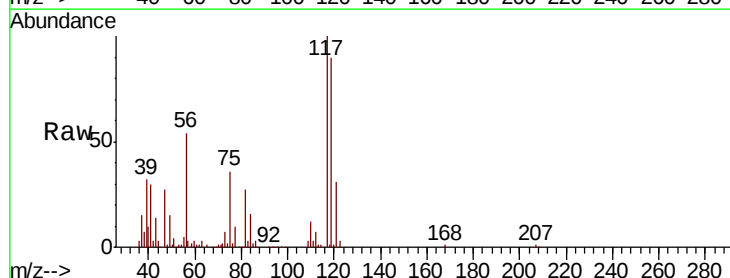
Instrument :
MSVOA_D
ClientSampled :

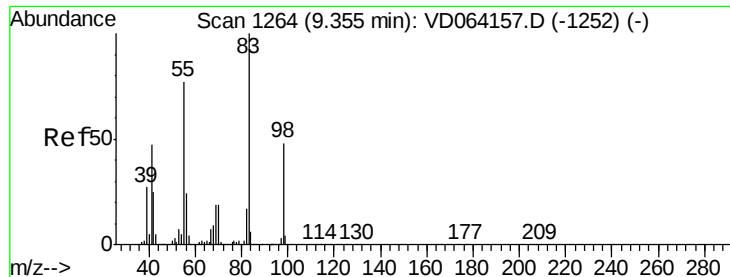
Tot Ion: 43 Resp: 72814
Ion Ratio Lower Upper
43 100
61 12.2 10.2 15.2
70 10.7 8.5 12.7



#38
Carbon Tetrachloride
Concen: 20.390 ug/l
RT: 8.09 min Scan# 1049
Delta R.T. -0.01 min
Lab File: VD064258.D
Acq: 18 Nov 2019 12:09

Tgt Ion: 117 Resp: 178826
Ion Ratio Lower Upper
117 100
119 90.0 77.2 115.8
121 31.5 25.5 38.3

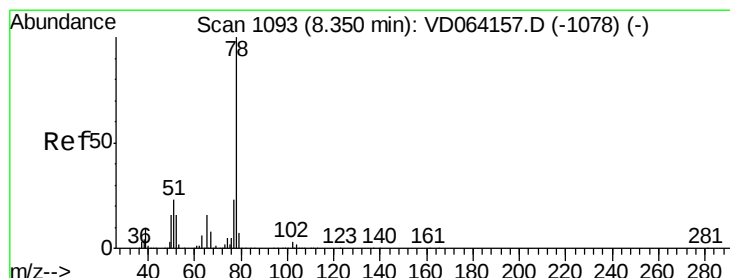
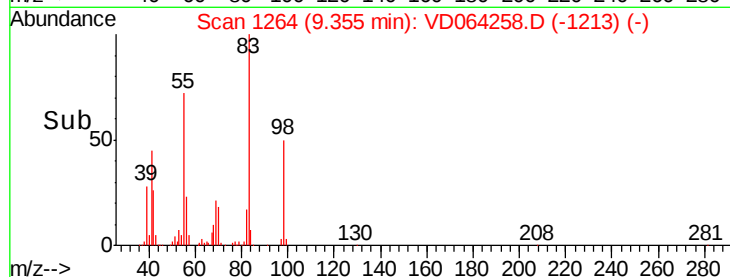
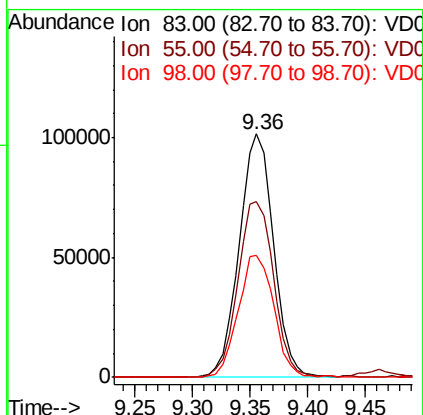
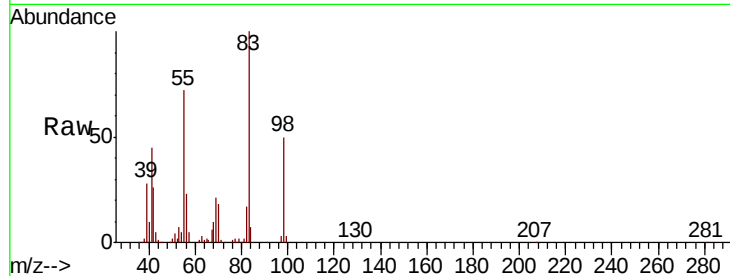




#39
Methvlcvclohexane
Concen: 20.319 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VD064258.D
Acq: 18 Nov 2019 12:09

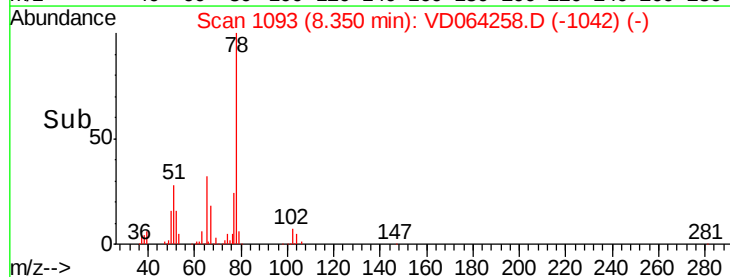
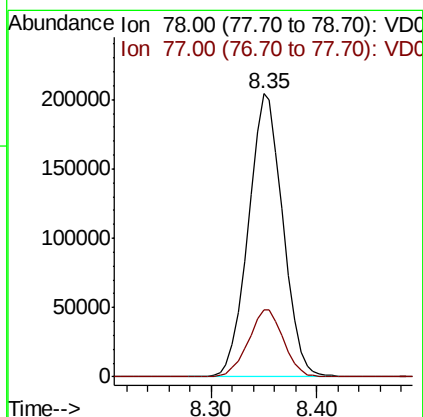
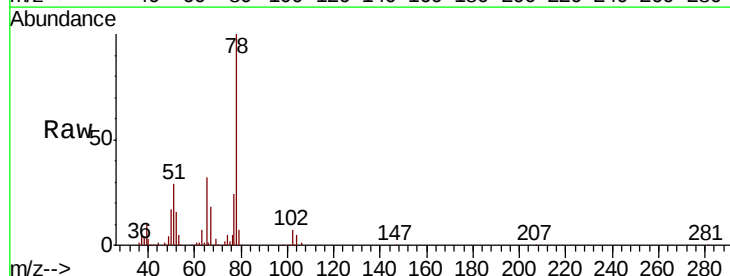
Instrument :
MSVOA_D
ClientSampled :

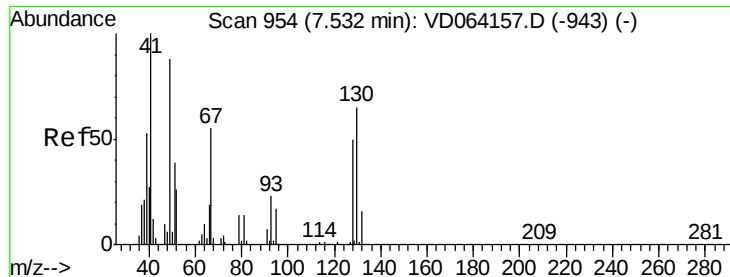
Tot Ion: 83 Resp: 210734
Ion Ratio Lower Upper
83 100
55 72.4 61.7 92.5
98 49.9 38.6 58.0



#40
Benzene
Concen: 20.658 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. -0.00 min
Lab File: VD064258.D
Acq: 18 Nov 2019 12:09

Tgt Ion: 78 Resp: 462749
Ion Ratio Lower Upper
78 100
77 23.8 18.6 28.0

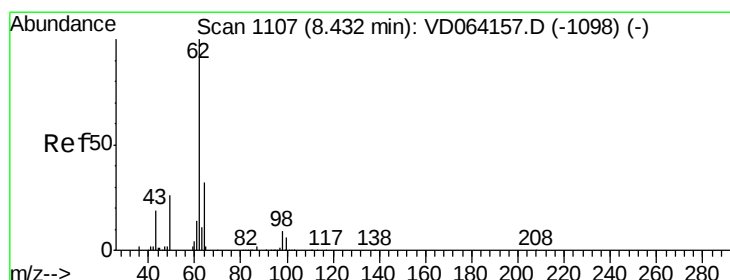
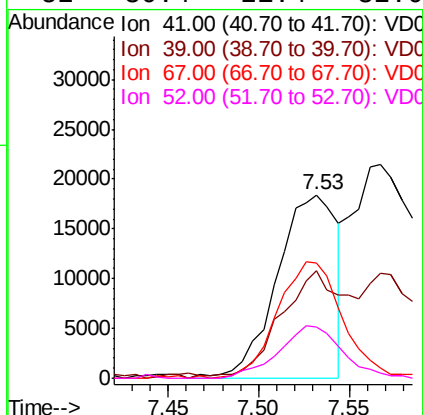
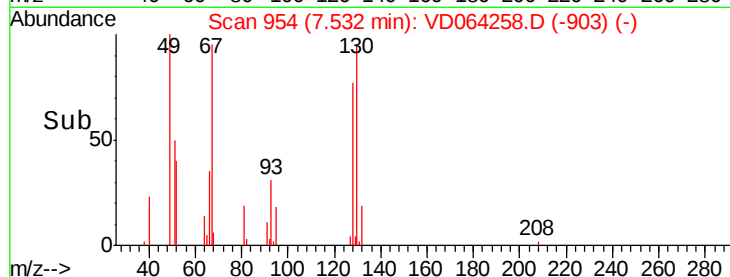
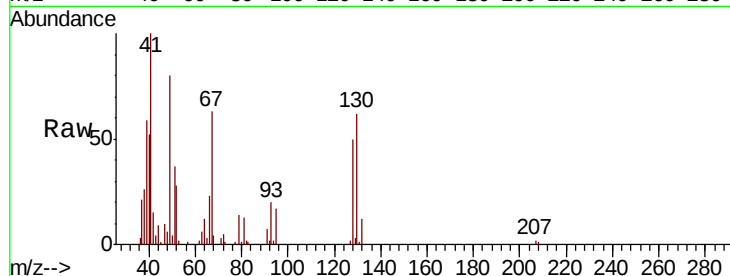




#41
Methacrylonitrile
Concen: 19.519 ug/l
RT: 7.53 min Scan# 954
Delta R.T. -0.00 min
Lab File: VD064258.D
Acq: 18 Nov 2019 12:09

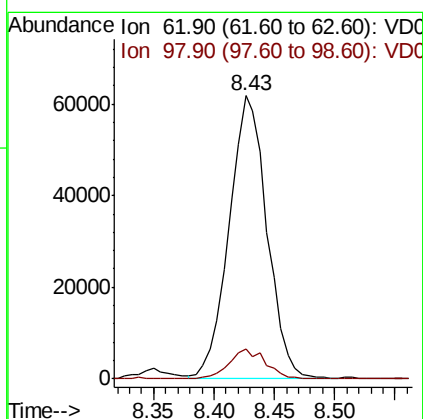
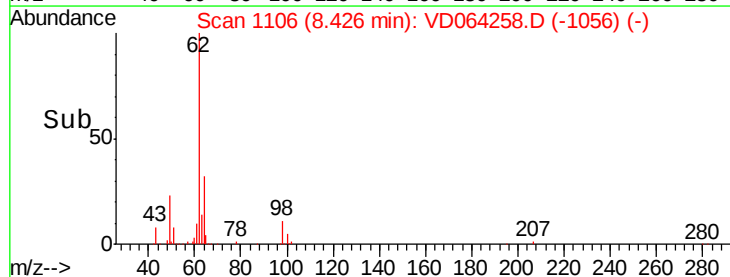
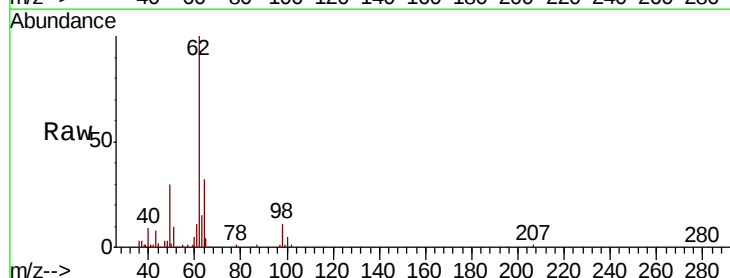
Instrument :
MSVOA_D
ClientSampleId :

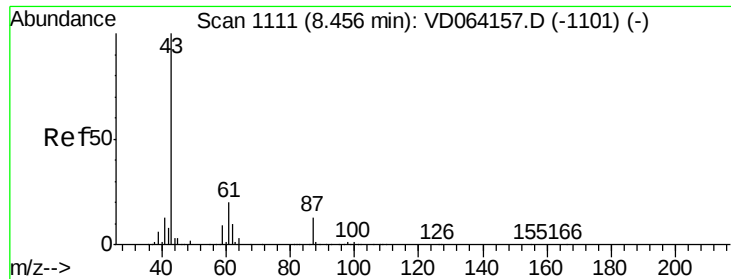
Tot Ion:	41	Resp:	42391
Ion	Ratio	Lower	Upper
41	100		
39	66.8	49.4	74.2
67	68.5	49.6	74.4
52	30.4	21.4	32.0



#42
1,2-Dichloroethane
Concen: 20.046 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. -0.01 min
Lab File: VD064258.D
Acq: 18 Nov 2019 12:09

Tgt Ion:	62	Resp:	134868
Ion	Ratio	Lower	Upper
62	100		
98	10.1	0.0	19.0





#43

Isopropyl Acetate

Concen: 19.604 ug/l

RT: 8.46 min Scan# 1112

Delta R.T. 0.01 min

Lab File: VD064258.D

Acq: 18 Nov 2019 12:09

Instrument :

MSVOA_D

ClientSampleId :

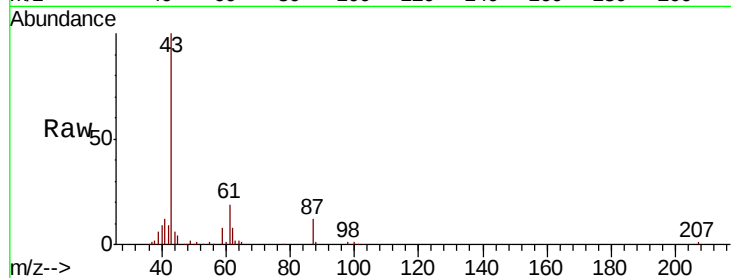
Tot Ion: 43 Resp: 139571

Ion Ratio Lower Upper

43 100

61 29.6 22.9 34.3

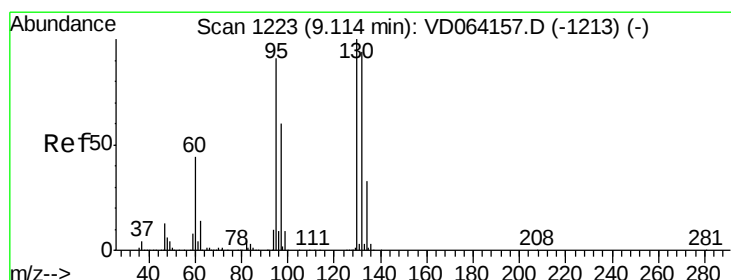
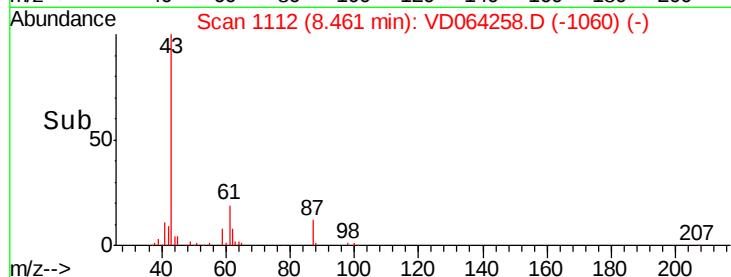
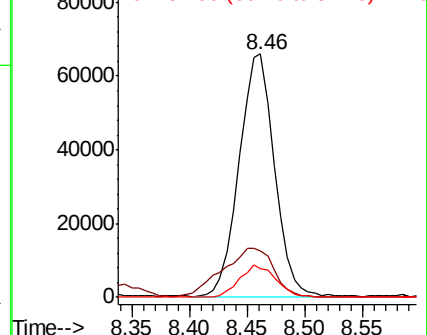
87 13.7 10.2 15.2



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: 20.724 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. -0.00 min

Lab File: VD064258.D

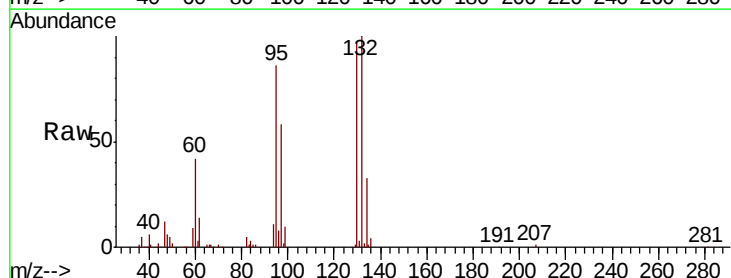
Acq: 18 Nov 2019 12:09

Tgt Ion:130 Resp: 139333

Ion Ratio Lower Upper

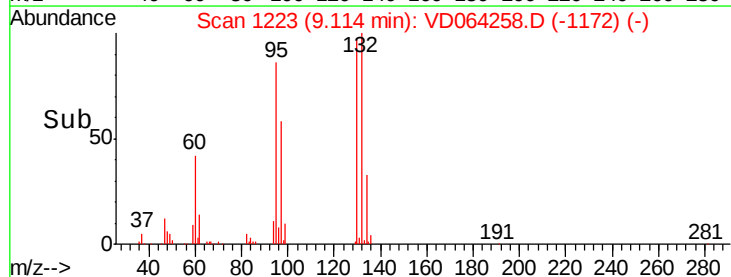
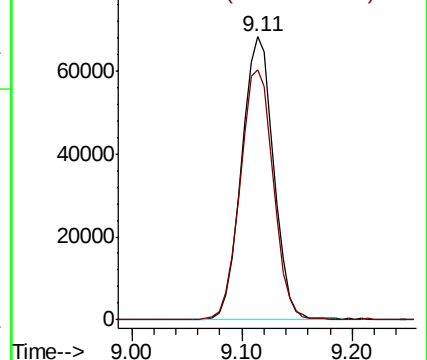
130 100

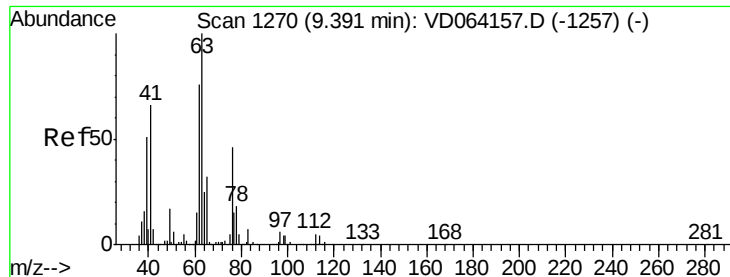
95 88.3 0.0 181.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 20.039 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VD064258.D

Acq: 18 Nov 2019 12:09

Instrument :

MSVOA_D

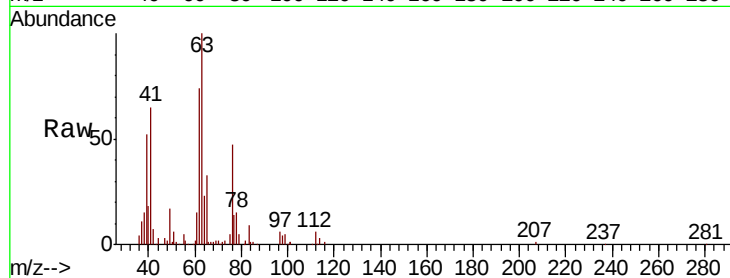
ClientSampleId :

Tot Ion: 63 Resp: 109261

Ion Ratio Lower Upper

63 100

65 32.7 25.7 38.5



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC

60000

50000

40000

30000

20000

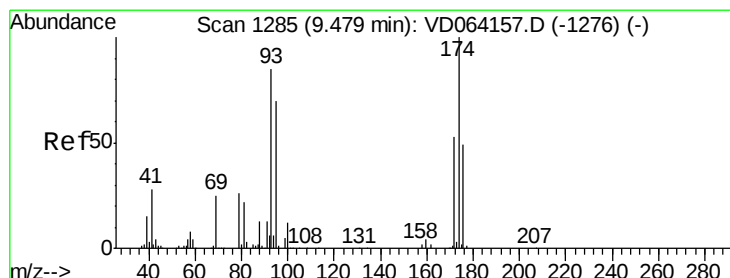
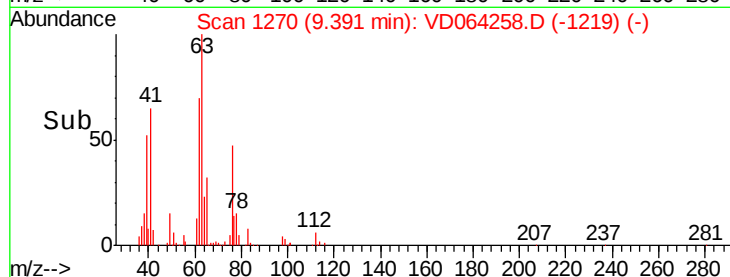
10000

0

9.39

9.30 9.35 9.40 9.45

Time-->



#46

Dibromomethane

Concen: 20.649 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. -0.00 min

Lab File: VD064258.D

Acq: 18 Nov 2019 12:09

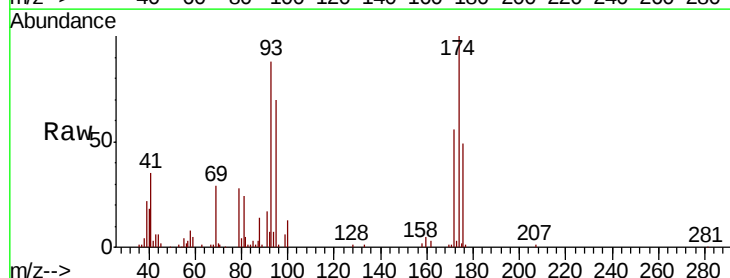
Tgt Ion: 93 Resp: 60272

Ion Ratio Lower Upper

93 100

95 82.1 65.5 98.3

174 114.4 93.9 140.9



Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): V

40000

30000

20000

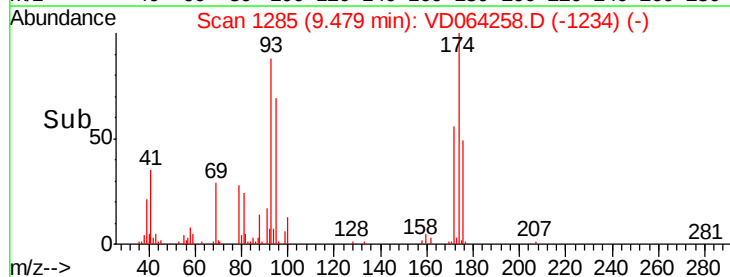
10000

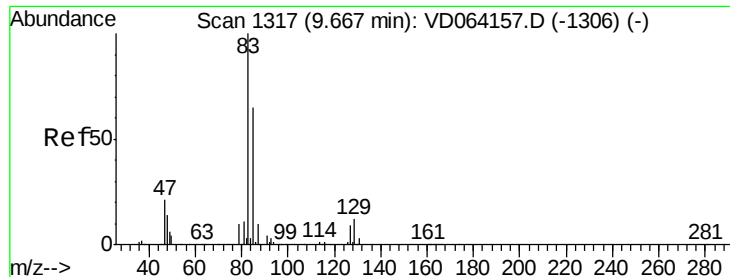
0

9.48

9.35 9.40 9.45 9.50 9.55

Time-->





#47

Bromodichloromethane

Concen: 20.680 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. -0.00 min

Lab File: VD064258.D

Acq: 18 Nov 2019 12:09

Instrument :
MSVOA_D
ClientSampled :

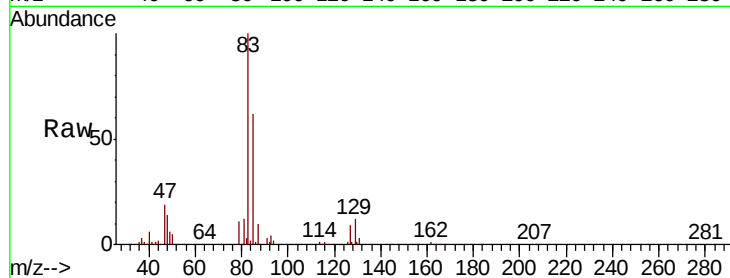
Tot Ion: 83 Resp: 162592

Ion Ratio Lower Upper

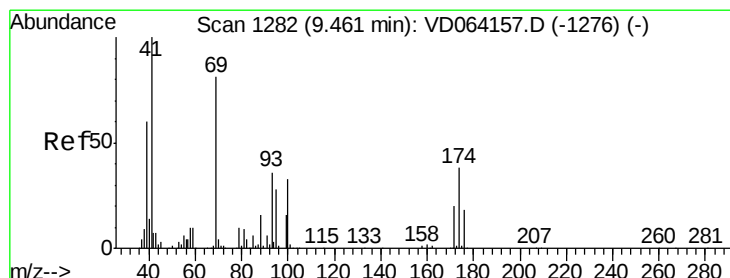
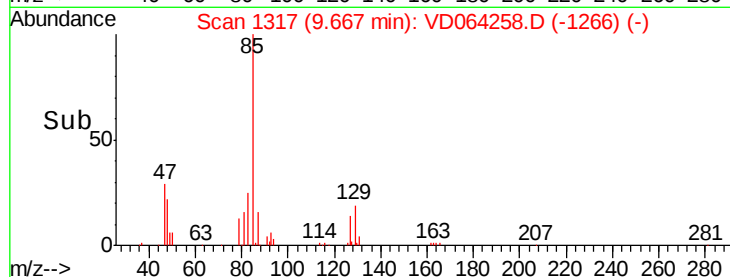
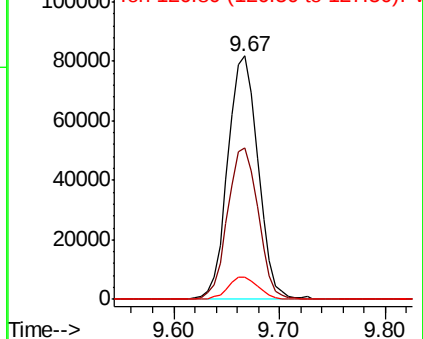
83 100

85 62.5 52.2 78.4

127 8.9 7.5 11.3



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: 18.487 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. -0.00 min

Lab File: VD064258.D

Acq: 18 Nov 2019 12:09

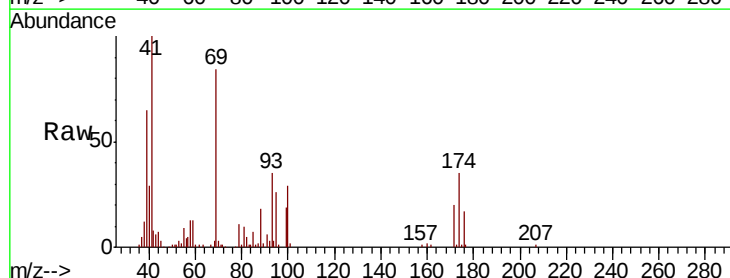
Tgt Ion: 41 Resp: 64358

Ion Ratio Lower Upper

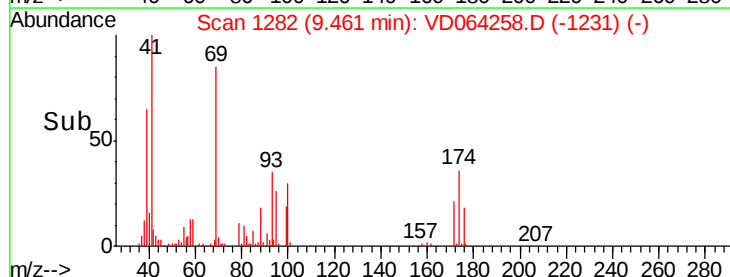
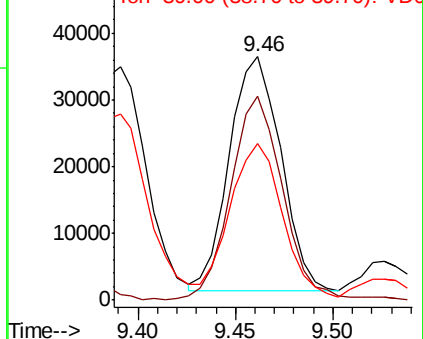
41 100

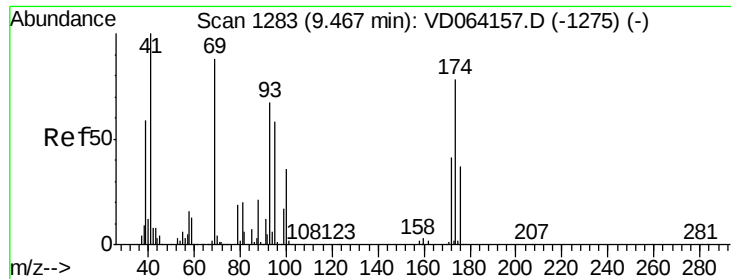
69 88.4 64.6 97.0

39 66.2 48.2 72.2



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

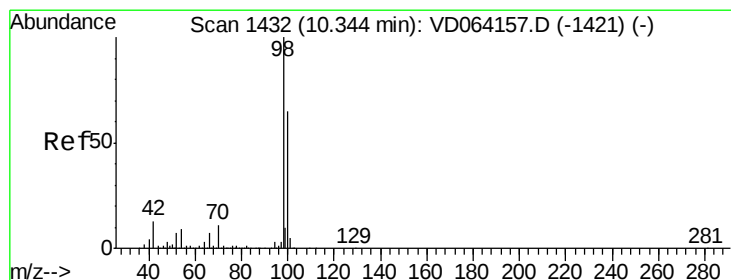
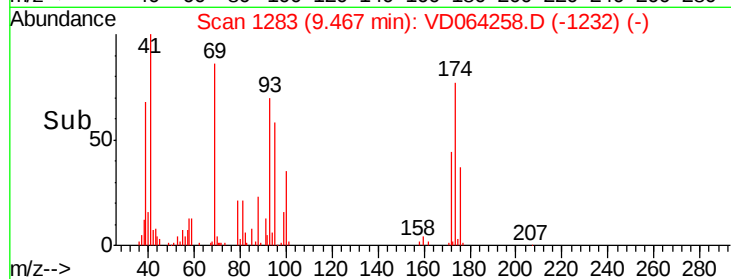
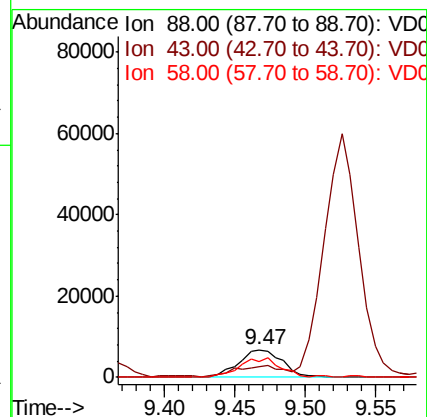
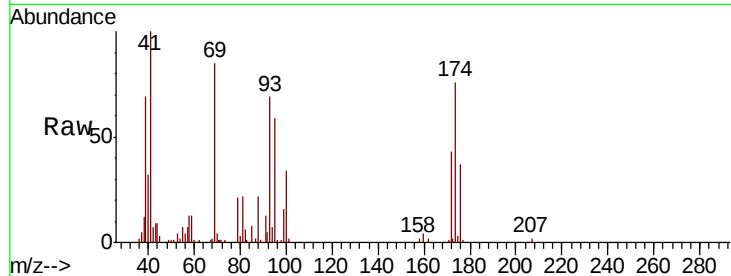




#49
1,4-Dioxane
Concen: 416.047 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VD064258.D
Acq: 18 Nov 2019 12:09

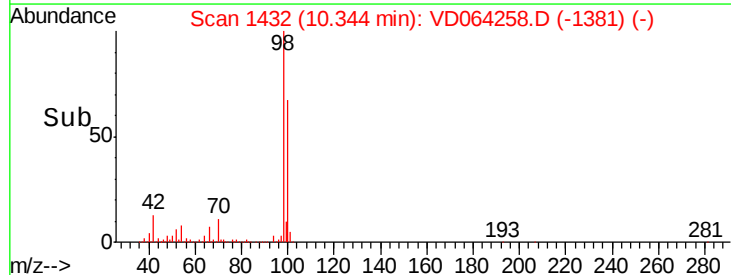
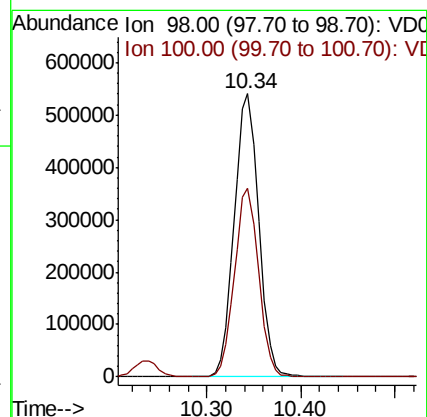
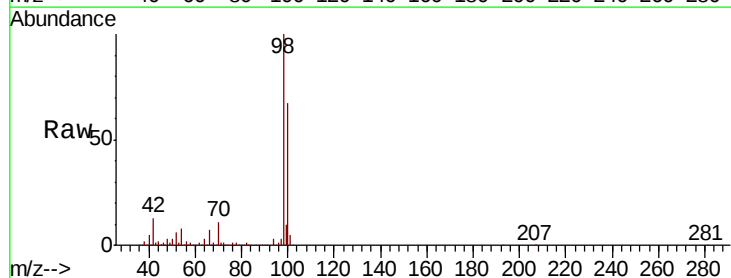
Instrument :
MSVOA_D
ClientSampleId :

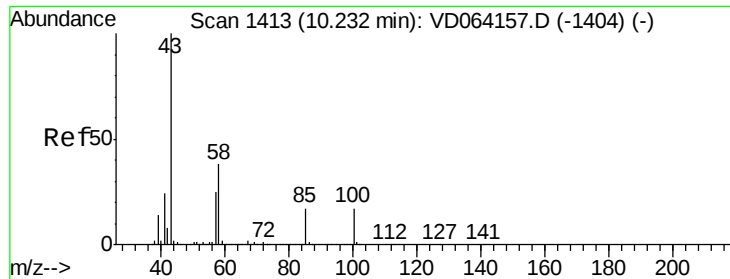
Tot Ion: 88 Resp: 14585
Ion Ratio Lower Upper
88 100
43 43.0 29.8 44.8
58 65.6 58.1 87.1



#50
Toluene-d8
Concen: 50.944 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VD064258.D
Acq: 18 Nov 2019 12:09

Tgt Ion: 98 Resp: 979709
Ion Ratio Lower Upper
98 100
100 65.6 52.6 78.8

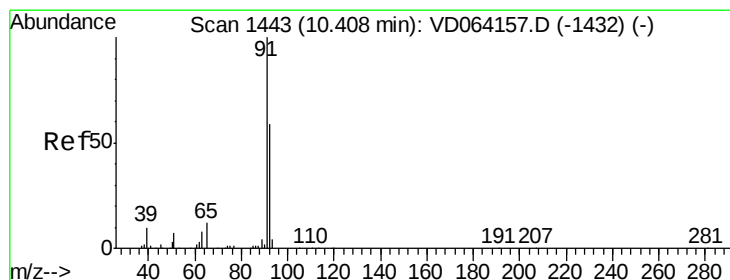
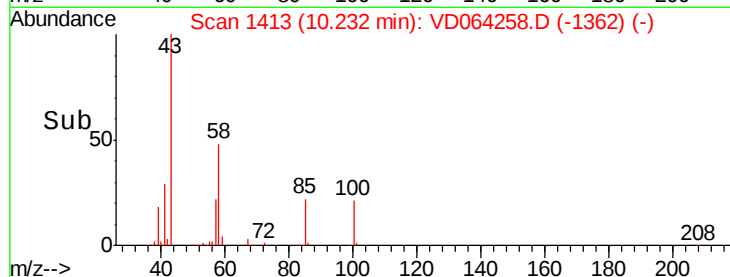
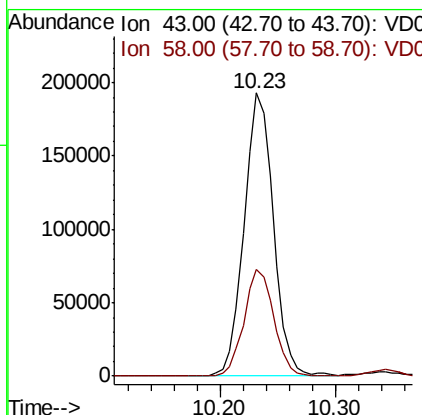
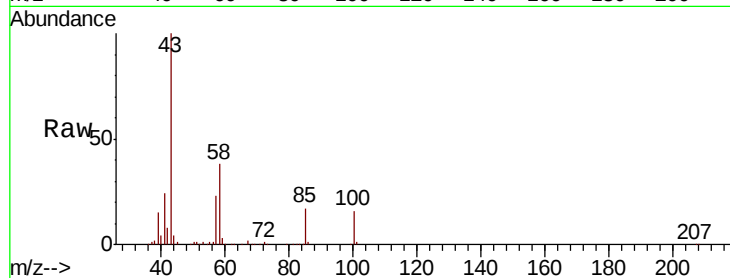




#51
4-Methyl-2-Pentanone
Concen: 99.551 ug/l
RT: 10.23 min Scan# 1413
Delta R.T. -0.00 min
Lab File: VD064258.D
Acq: 18 Nov 2019 12:09

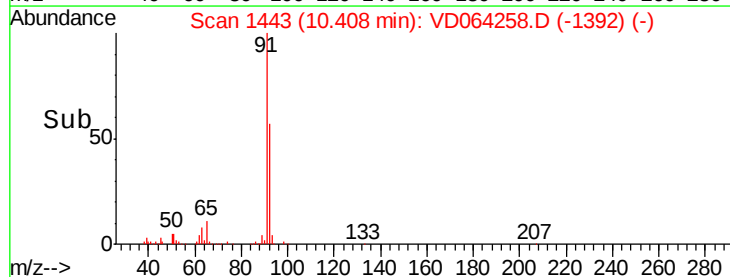
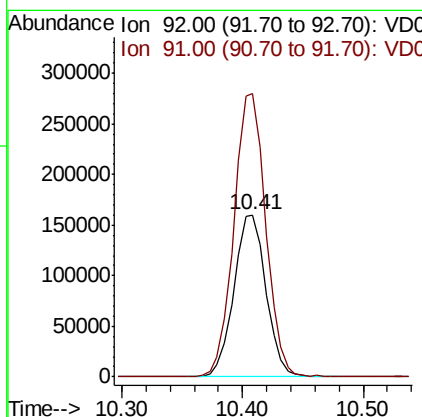
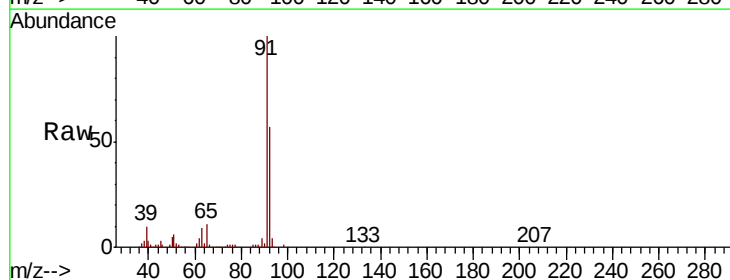
Instrument :
MSVOA_D
ClientSampled :

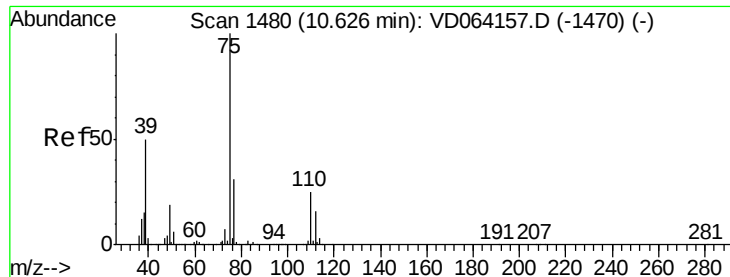
Tot Ion: 43 Resp: 339879
Ion Ratio Lower Upper
43 100
58 38.6 30.2 45.4



#52
Toluene
Concen: 20.220 ug/l
RT: 10.41 min Scan# 1443
Delta R.T. -0.00 min
Lab File: VD064258.D
Acq: 18 Nov 2019 12:09

Tgt Ion: 92 Resp: 297838
Ion Ratio Lower Upper
92 100
91 173.5 136.4 204.6





#53

t-1,3-Dichloropropene

Concen: 19.547 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. -0.00 min

Lab File: VD064258.D

Acq: 18 Nov 2019 12:09

Instrument :

MSVOA_D

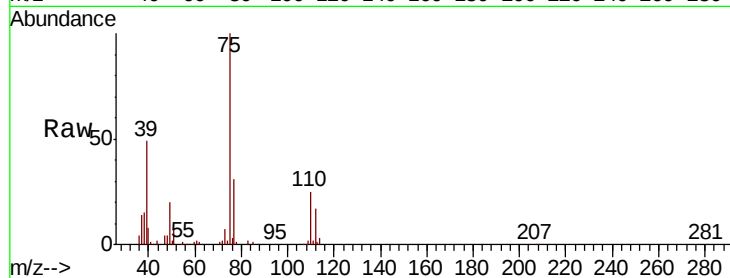
ClientSampleId :

Tot Ion: 75 Resp: 153973

Ion Ratio Lower Upper

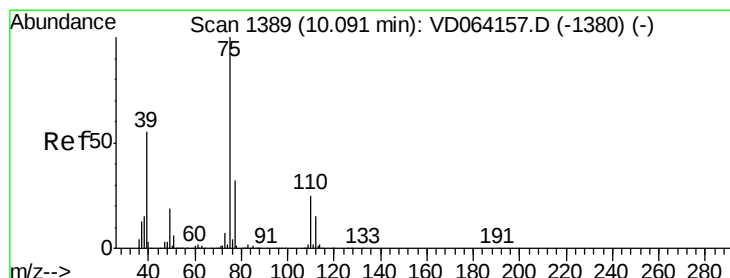
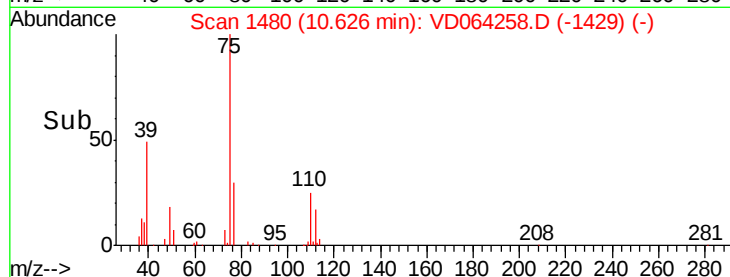
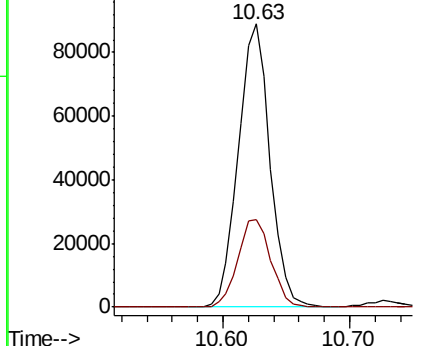
75 100

77 31.0 24.7 37.1



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 76.90 (76.60 to 77.60): VDC



#54

cis-1,3-Dichloropropene

Concen: 19.789 ug/l

RT: 10.09 min Scan# 1389

Delta R.T. -0.00 min

Lab File: VD064258.D

Acq: 18 Nov 2019 12:09

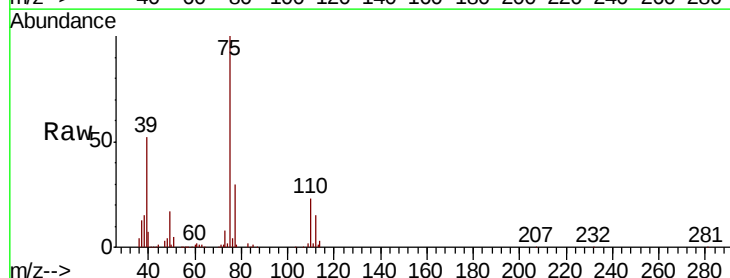
Tgt Ion: 75 Resp: 181894

Ion Ratio Lower Upper

75 100

77 30.1 25.2 37.8

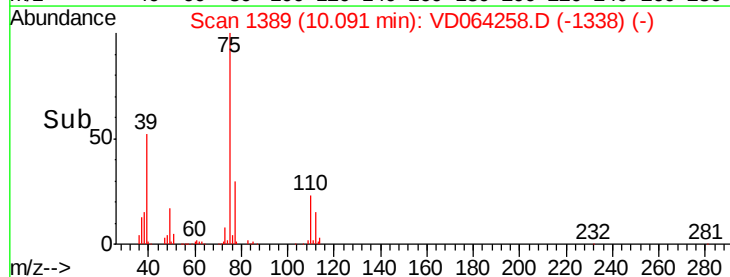
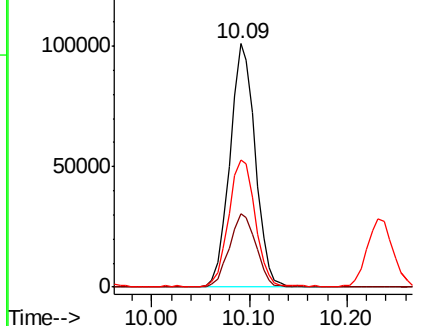
39 52.1 44.2 66.2

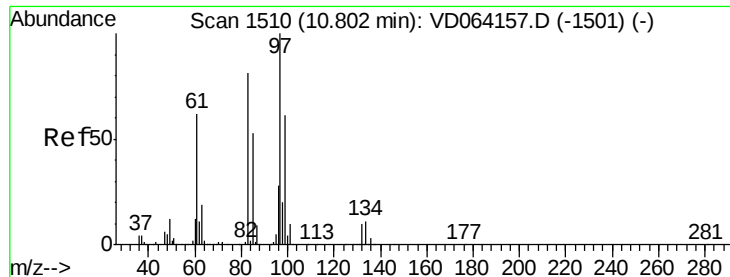


Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 76.90 (76.60 to 77.60): VDC

Ion 39.00 (38.70 to 39.70): VDC





#55

1,1,2-Trichloroethane

Concen: 21.019 ug/l

RT: 10.80 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VD064258.D

Acq: 18 Nov 2019 12:09

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 97 Resp: 83230

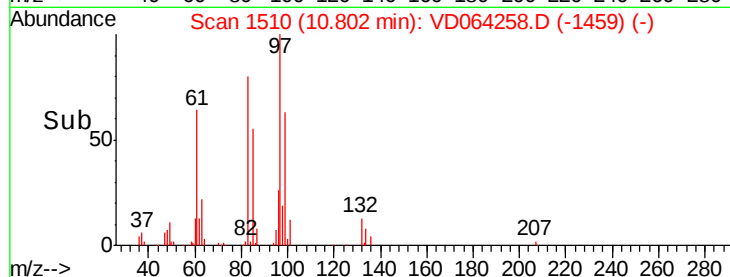
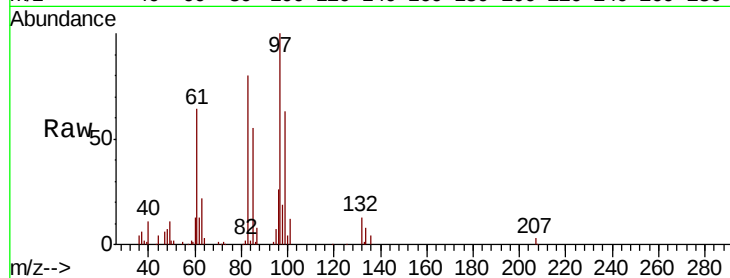
Ion	Ratio	Lower	Upper
97	100		
83	79.7	65.1	97.7
85	55.0	42.0	63.0
99	63.0	48.9	73.3

97 100

83 79.7 65.1 97.7

85 55.0 42.0 63.0

99 63.0 48.9 73.3



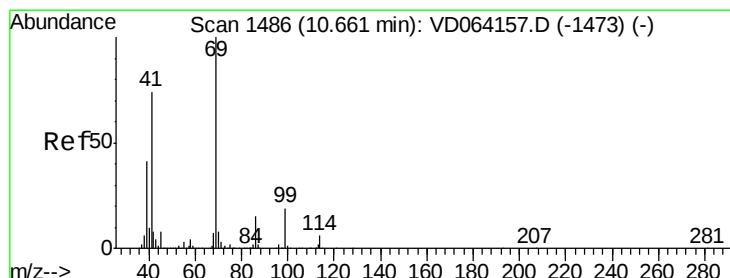
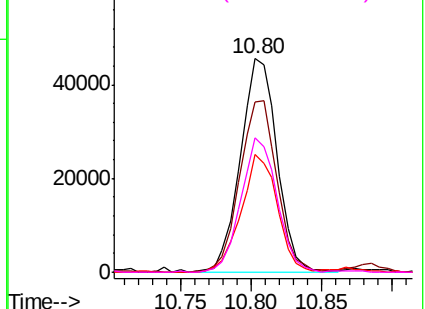
Abundance

Ion 96.90 (96.60 to 97.60): VDC

Ion 82.90 (82.60 to 83.60): VDC

Ion 84.90 (84.60 to 85.60): VDC

Ion 98.90 (98.60 to 99.60): VDC



#56

Ethyl methacrylate

Concen: 19.569 ug/l

RT: 10.67 min Scan# 1487

Delta R.T. 0.01 min

Lab File: VD064258.D

Acq: 18 Nov 2019 12:09

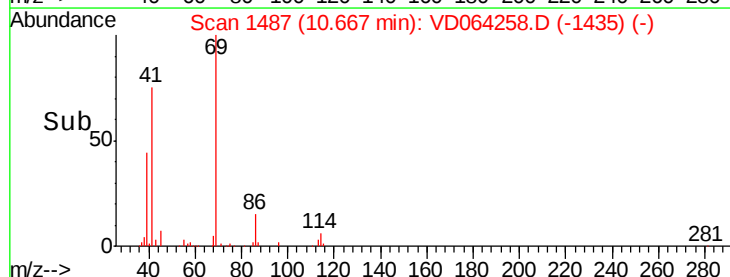
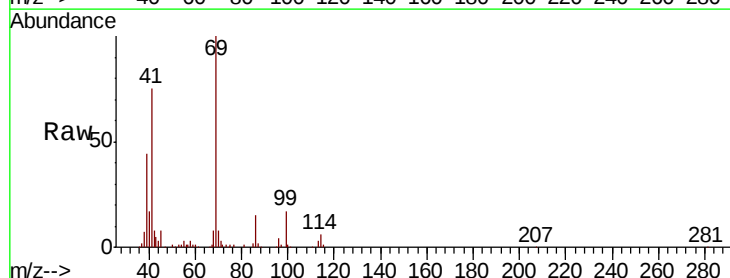
Tgt Ion: 69 Resp: 108396

Ion	Ratio	Lower	Upper
69	100		
41	74.2	57.9	86.9
39	40.0	29.0	43.4

69 100

41 74.2 57.9 86.9

39 40.0 29.0 43.4

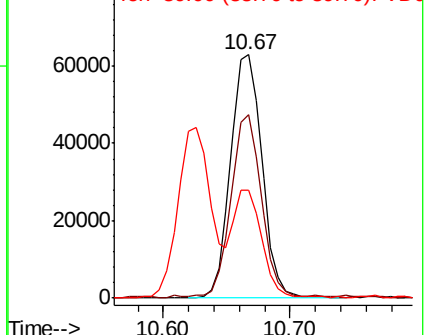


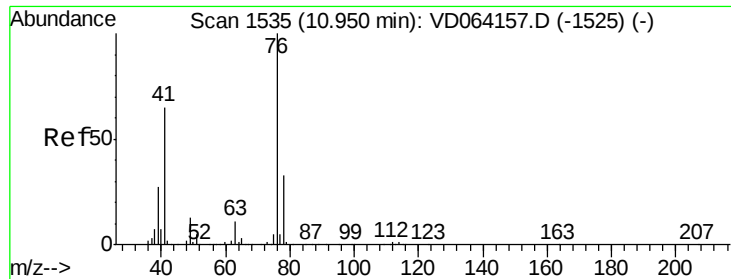
Abundance

Ion 69.00 (68.70 to 69.70): VDC

Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

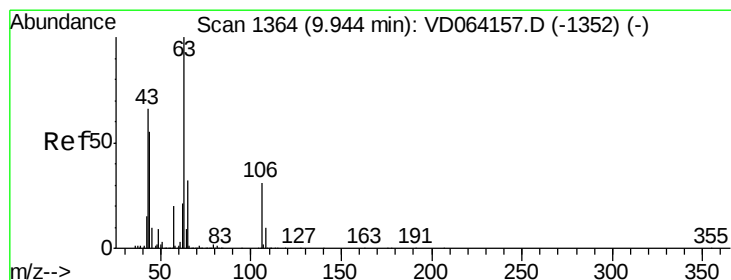
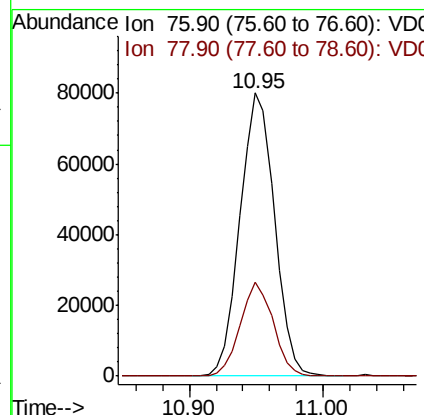
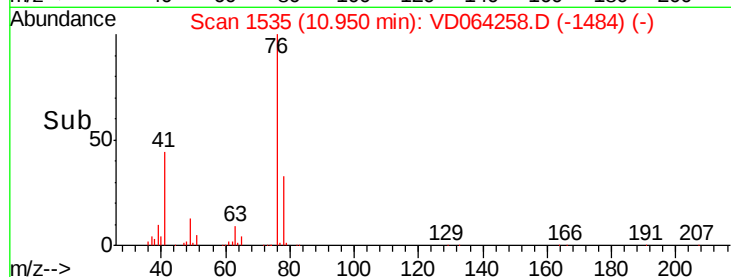
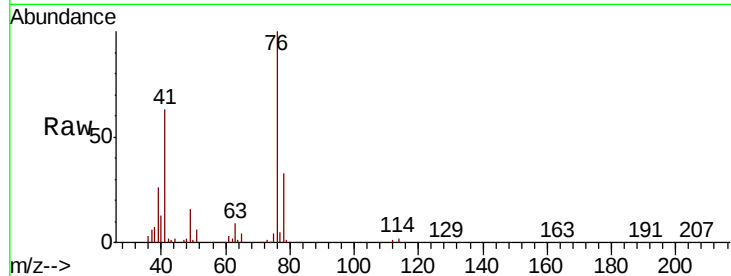




#57
 1,3-Dichloropropane
 Concen: 20.718 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. -0.00 min
 Lab File: VD064258.D
 Acq: 18 Nov 2019 12:09

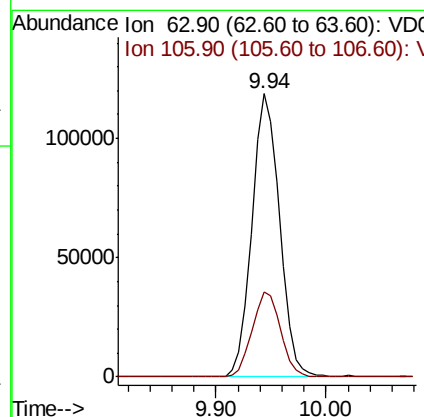
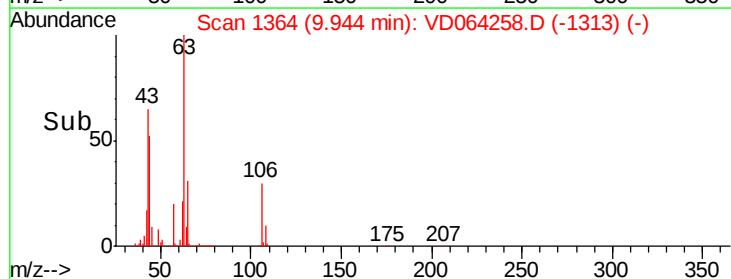
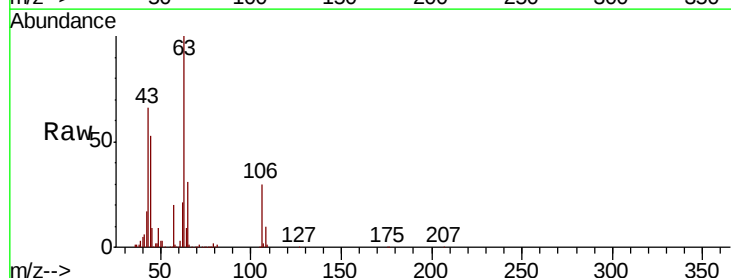
Instrument :
 MSVOA_D
 ClientSampled :

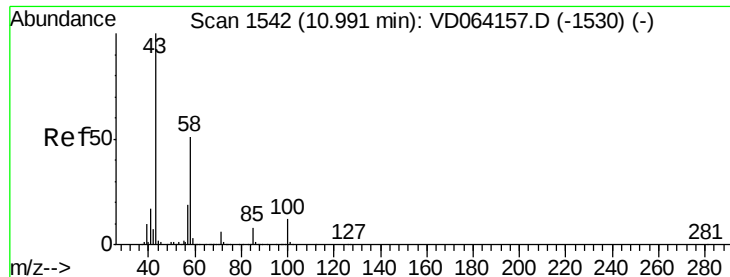
Tot Ion: 76 Resp: 143075
 Ion Ratio Lower Upper
 76 100
 78 31.8 26.2 39.4



#58
 2-Chloroethyl Vinyl ether
 Concen: 93.398 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. -0.00 min
 Lab File: VD064258.D
 Acq: 18 Nov 2019 12:09

Tgt Ion: 63 Resp: 209564
 Ion Ratio Lower Upper
 63 100
 106 30.9 24.1 36.1

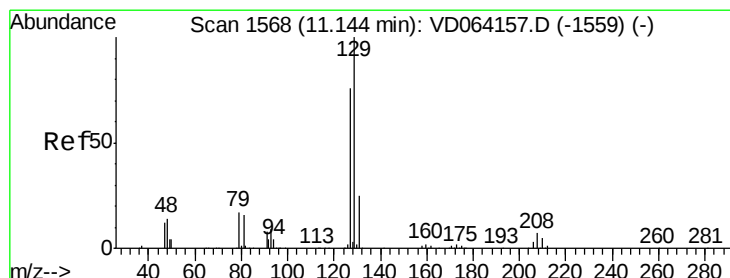
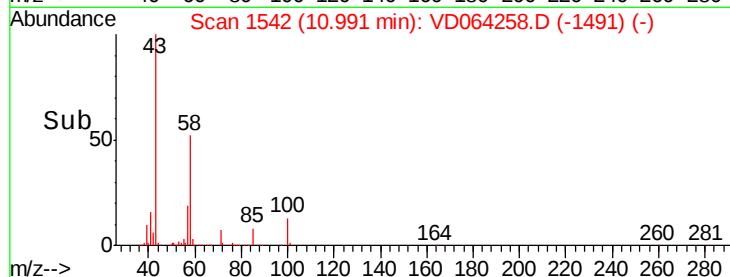
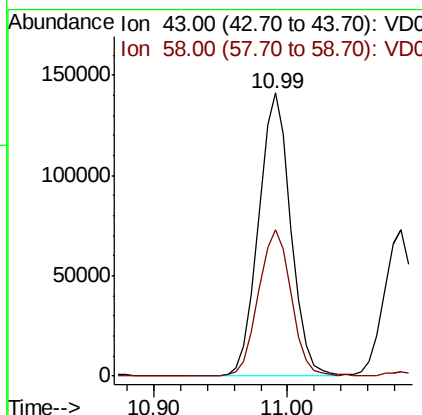
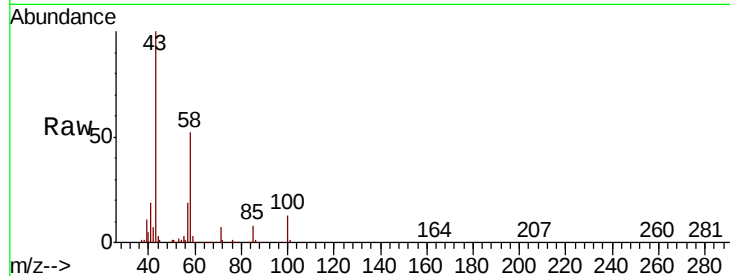




#59
2-Hexanone
Concen: 96.882 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. -0.00 min
Lab File: VD064258.D
Acq: 18 Nov 2019 12:09

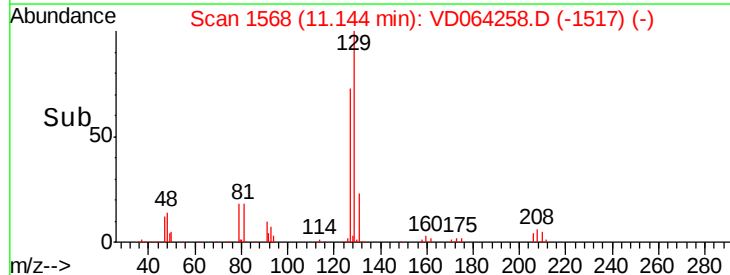
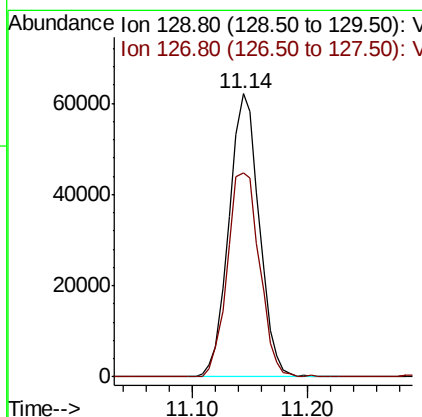
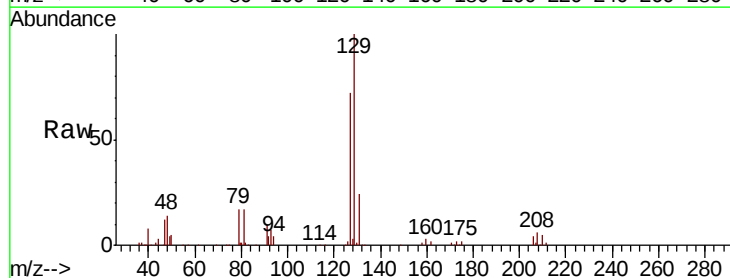
Instrument :
MSVOA_D
ClientSampleId :

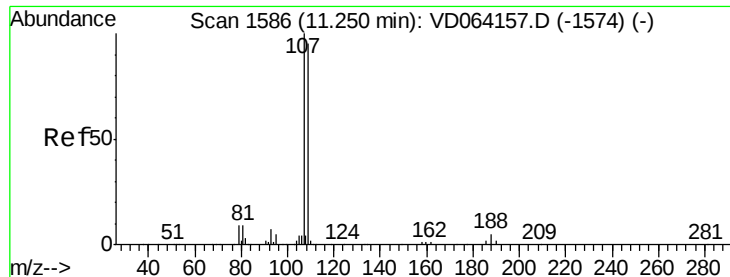
Tot Ion: 43 Resp: 235322
Ion Ratio Lower Upper
43 100
58 52.7 25.9 77.7



#60
Dibromochloromethane
Concen: 20.443 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VD064258.D
Acq: 18 Nov 2019 12:09

Tgt Ion: 129 Resp: 112956
Ion Ratio Lower Upper
129 100
127 76.7 38.6 115.8

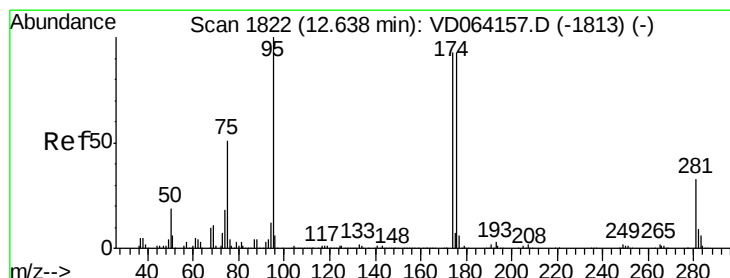
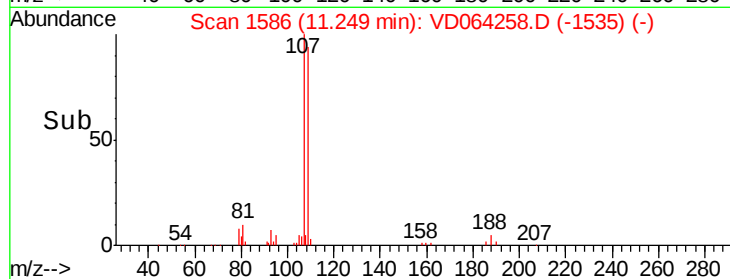
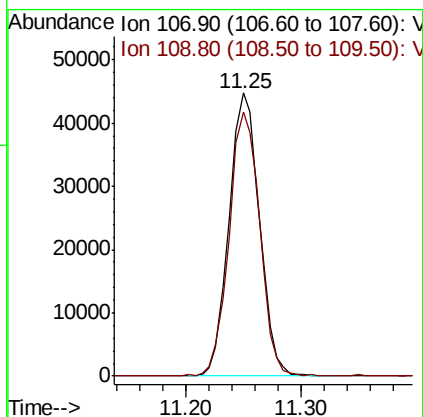
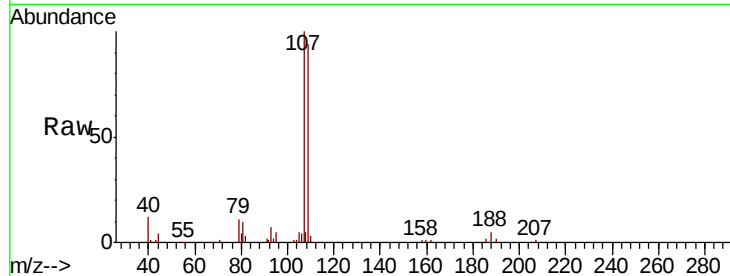




#61
 1,2-Dibromoethane
 Concen: 20.588 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. -0.00 min
 Lab File: VD064258.D
 Acq: 18 Nov 2019 12:09

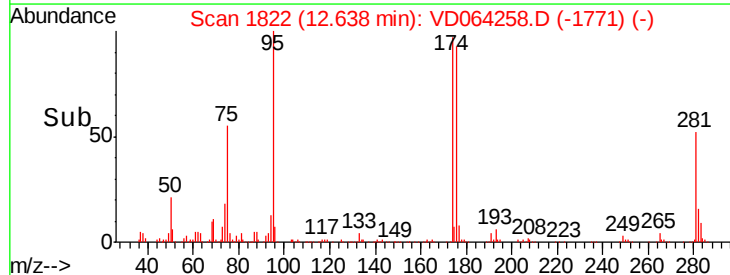
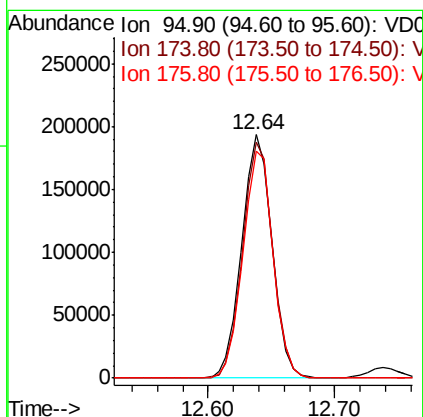
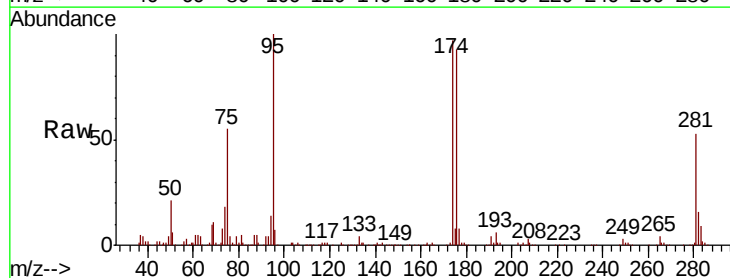
Instrument :
 MSVOA_D
 ClientSampleId :

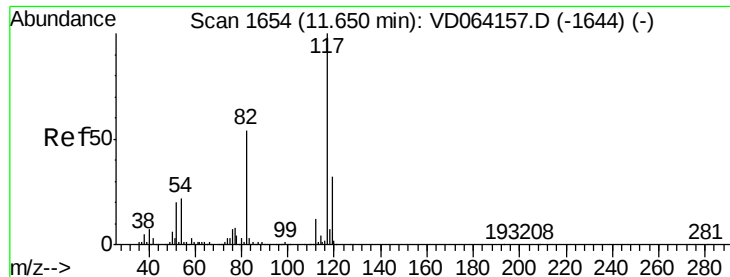
Tot Ion: 107 Resp: 81653
 Ion Ratio Lower Upper
 107 100
 109 94.1 75.1 112.7



#62
 4-Bromofluorobenzene
 Concen: 48.148 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. -0.00 min
 Lab File: VD064258.D
 Acq: 18 Nov 2019 12:09

Tgt Ion: 95 Resp: 320659
 Ion Ratio Lower Upper
 95 100
 174 96.4 0.0 183.6
 176 93.3 0.0 180.2

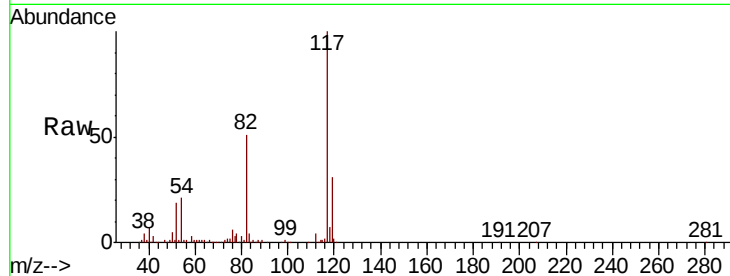




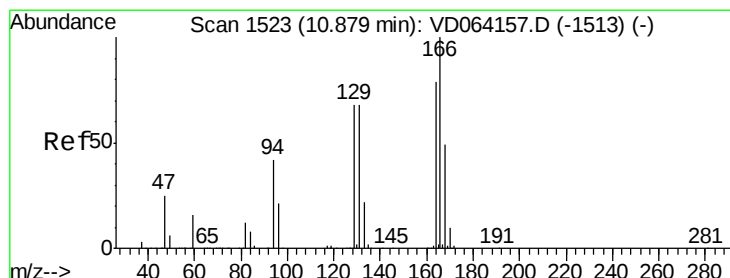
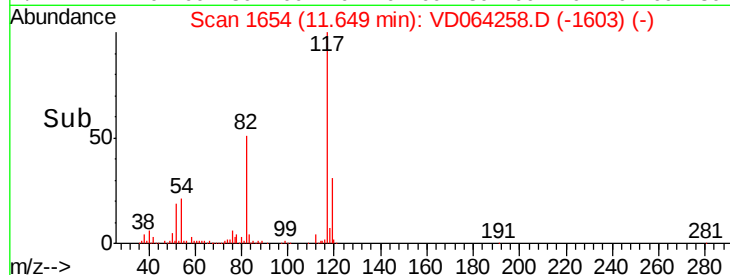
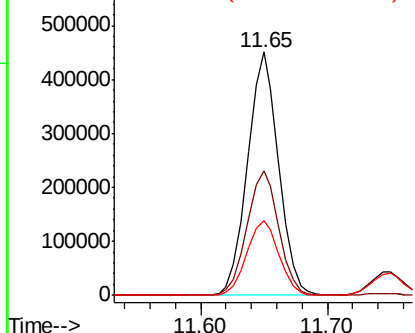
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD064258.D
Acq: 18 Nov 2019 12:09

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 767114
Ion Ratio Lower Upper
117 100
82 51.4 42.8 64.2
119 30.7 25.6 38.4

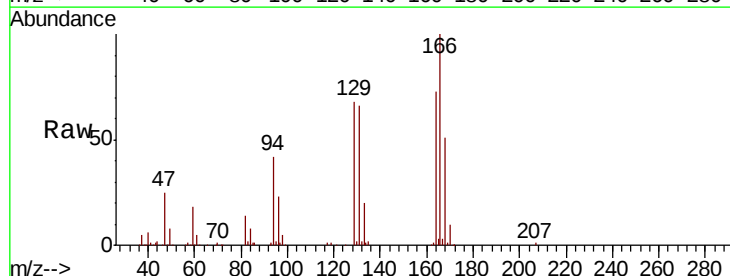


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

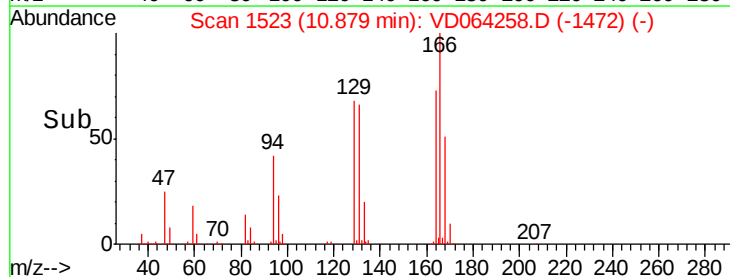
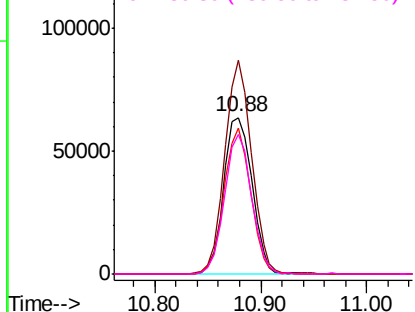


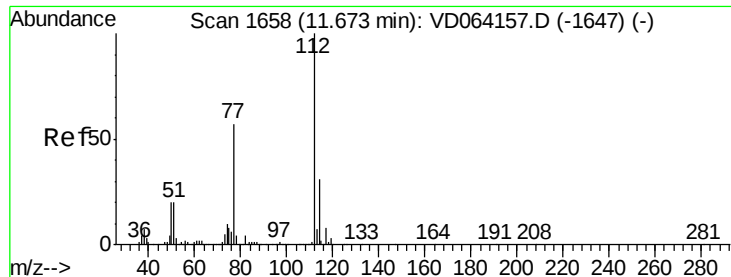
#64
Tetrachloroethene
Concen: 20.180 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. -0.00 min
Lab File: VD064258.D
Acq: 18 Nov 2019 12:09

Tgt Ion:164 Resp: 119059
Ion Ratio Lower Upper
164 100
166 136.2 100.8 151.2
129 92.8 68.7 103.1
131 89.4 68.1 102.1



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

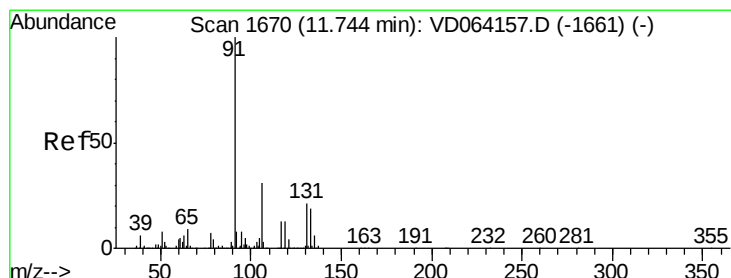
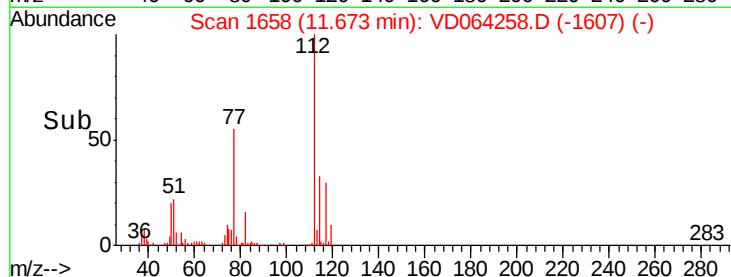
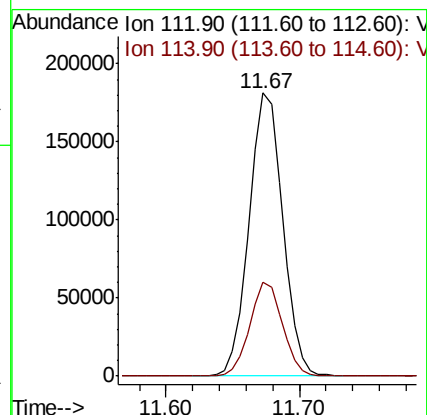
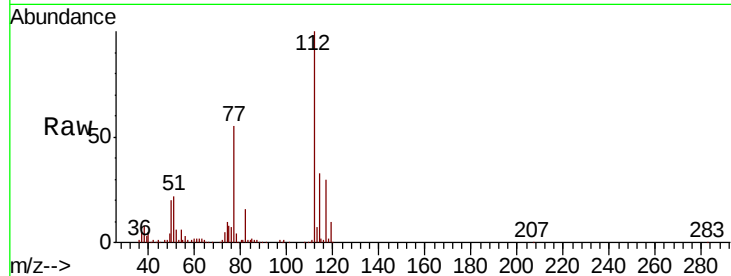




#65
Chlorobenzene
Concen: 20.199 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. -0.00 min
Lab File: VD064258.D
Acq: 18 Nov 2019 12:09

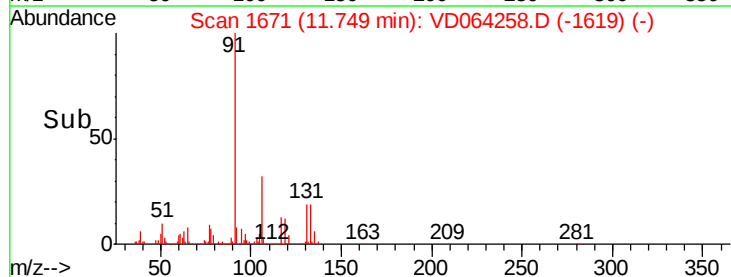
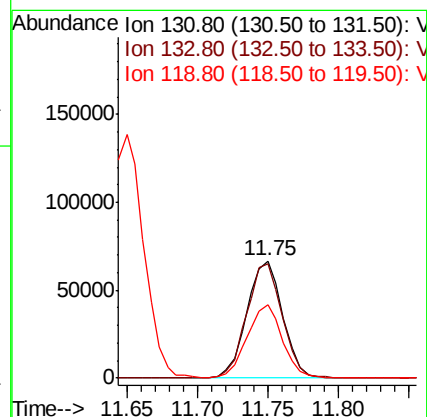
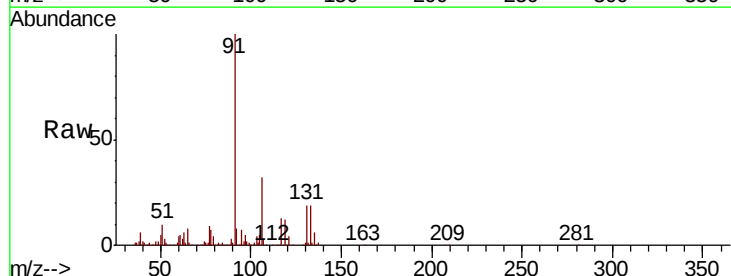
Instrument :
MSVOA_D
ClientSampleId :

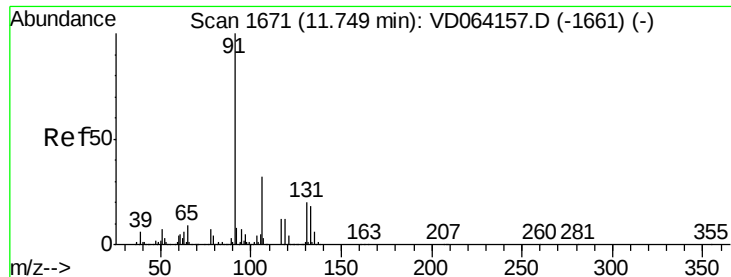
Tot Ion:112 Resp: 315091
Ion Ratio Lower Upper
112 100
114 33.1 25.2 37.8



#66
1,1,1,2-Tetrachloroethane
Concen: 19.955 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.01 min
Lab File: VD064258.D
Acq: 18 Nov 2019 12:09

Tgt Ion:131 Resp: 118366
Ion Ratio Lower Upper
131 100
133 97.6 47.3 141.9
119 61.8 31.1 93.3





#67

Ethyl Benzene

Concen: 20.417 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. -0.00 min

Lab File: VD064258.D

Acq: 18 Nov 2019 12:09

Instrument :

MSVOA_D

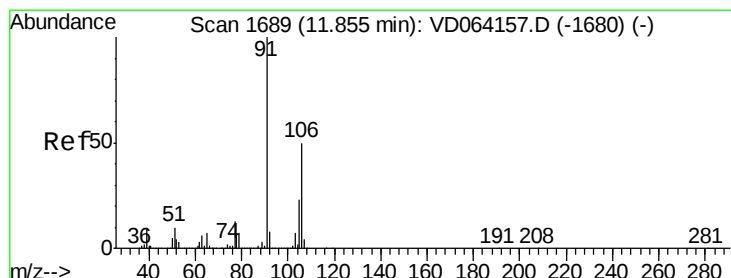
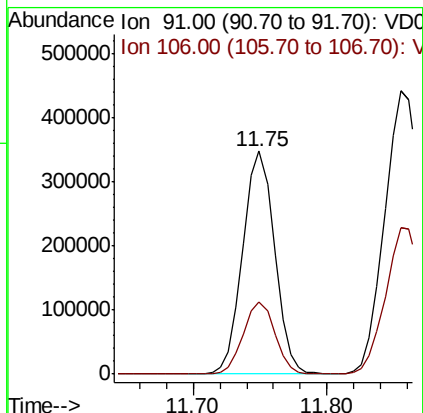
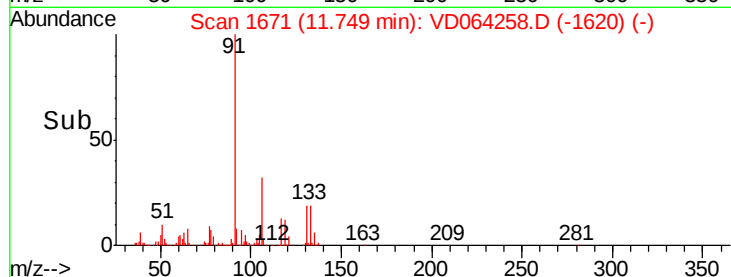
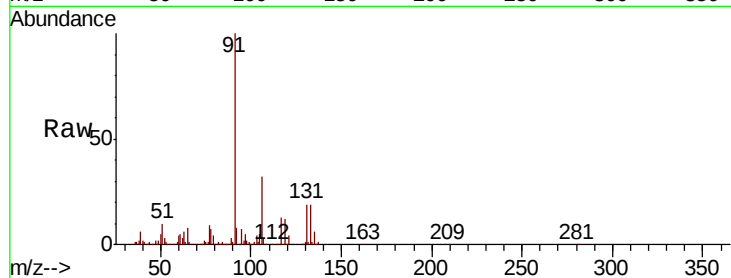
ClientSampled :

Tot Ion: 91 Resp: 576099

Ion Ratio Lower Upper

91 100

106 32.3 25.5 38.3



#68

m/p-Xylenes

Concen: 40.914 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. -0.00 min

Lab File: VD064258.D

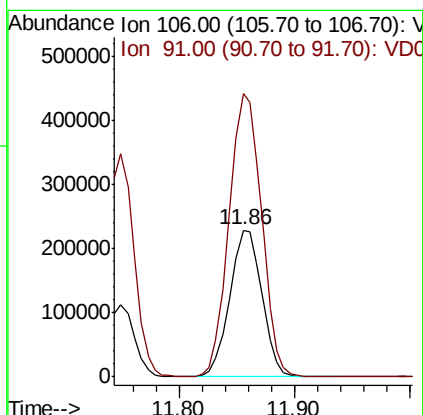
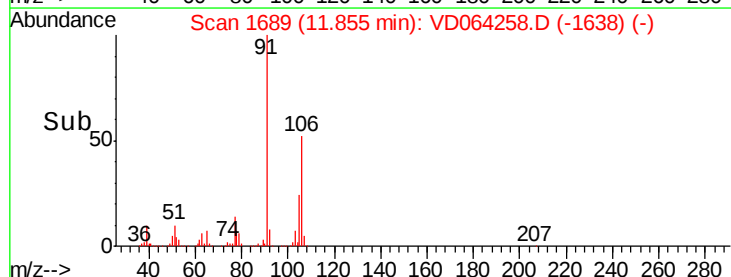
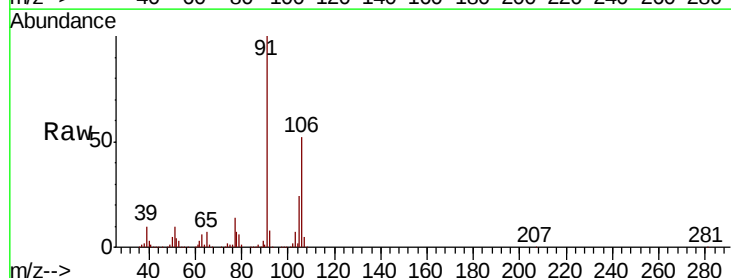
Acq: 18 Nov 2019 12:09

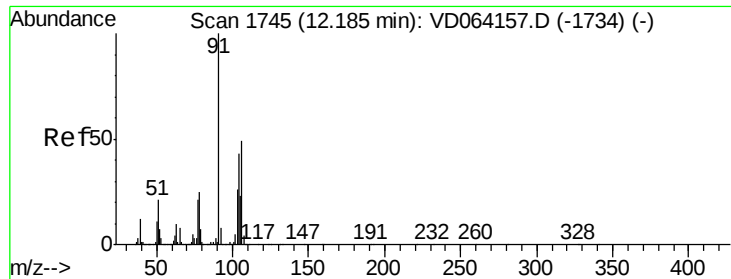
Tgt Ion: 106 Resp: 442498

Ion Ratio Lower Upper

106 100

91 195.3 160.3 240.5

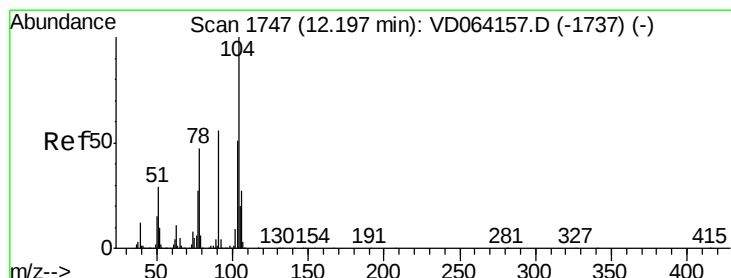
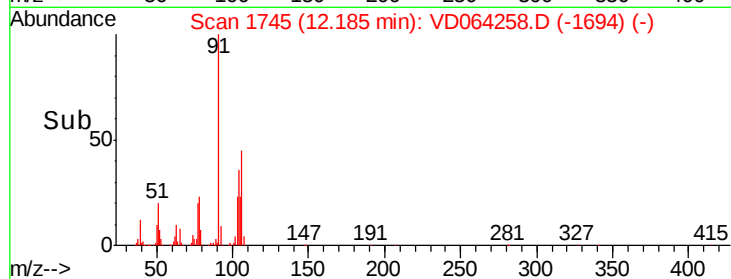
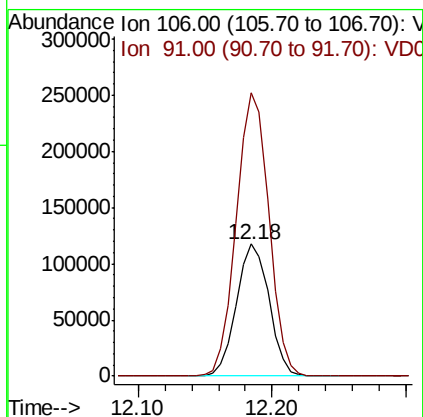
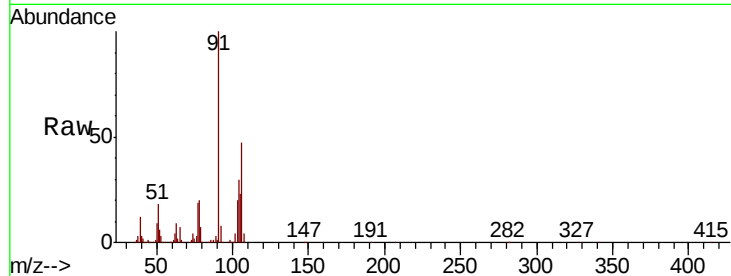




#69
o-Xylene
Concen: 19.857 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. -0.00 min
Lab File: VD064258.D
Acq: 18 Nov 2019 12:09

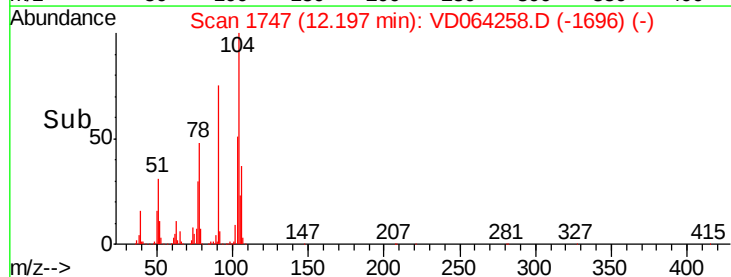
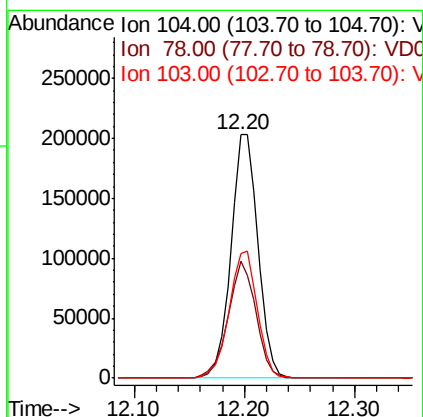
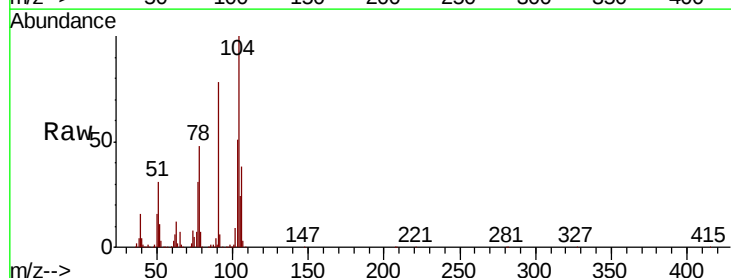
Instrument :
MSVOA_D
ClientSampled :

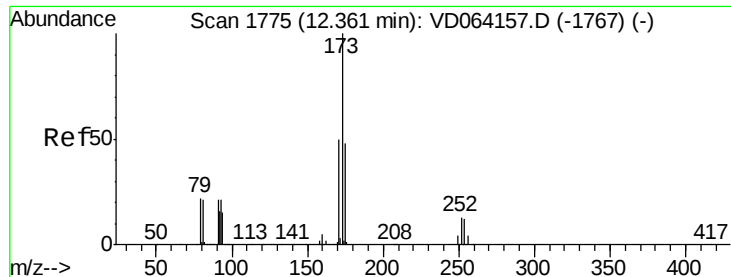
Tot Ion:106 Resp: 199181
Ion Ratio Lower Upper
106 100
91 214.2 105.1 315.3



#70
Styrene
Concen: 19.897 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. -0.00 min
Lab File: VD064258.D
Acq: 18 Nov 2019 12:09

Tgt Ion:104 Resp: 348381
Ion Ratio Lower Upper
104 100
78 49.2 39.9 59.9
103 54.5 43.4 65.0





#71

Bromoform

Concen: 19.776 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. 0.01 min

Lab File: VD064258.D

Acq: 18 Nov 2019 12:09

Instrument :

MSVOA_D

ClientSampleId :

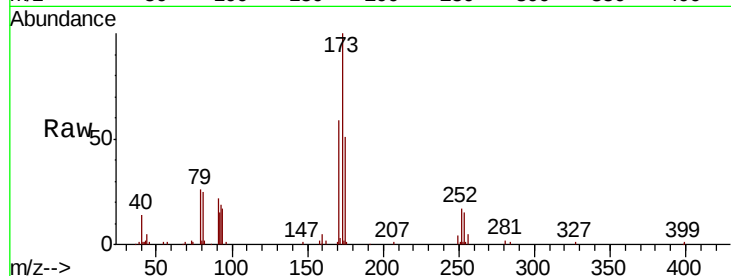
Tot Ion:173 Resp: 66758

Ion Ratio Lower Upper

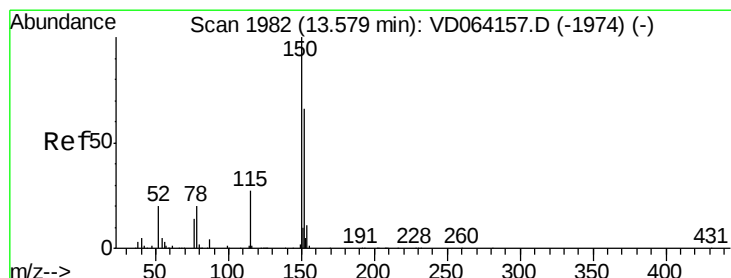
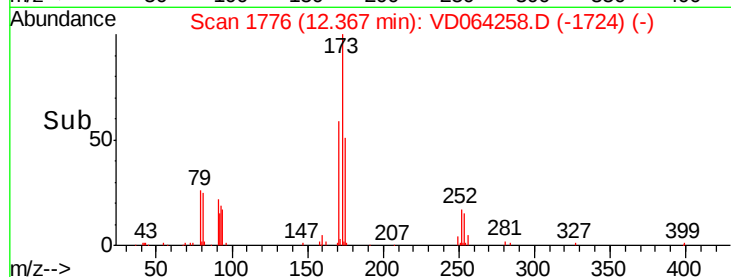
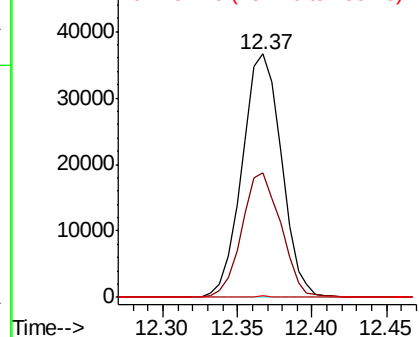
173 100

175 50.8 24.1 72.3

254 0.1 0.2 0.2#



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1983

Delta R.T. 0.01 min

Lab File: VD064258.D

Acq: 18 Nov 2019 12:09

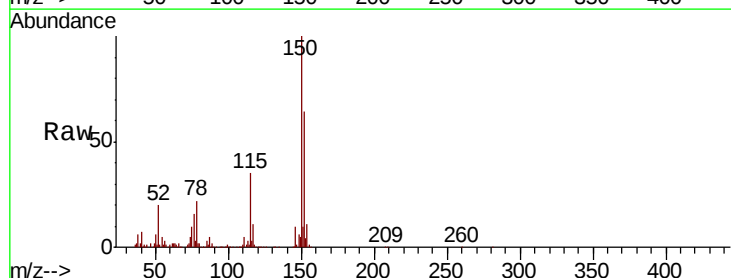
Tgt Ion:152 Resp: 374405

Ion Ratio Lower Upper

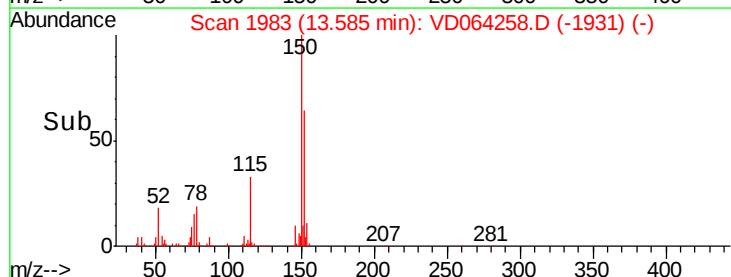
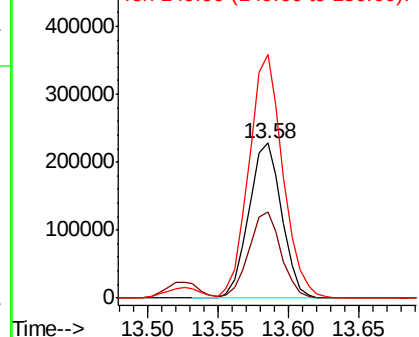
152 100

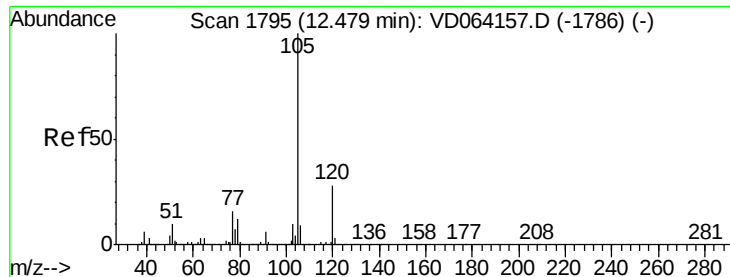
115 54.1 27.4 82.2

150 161.5 0.0 351.6



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.449 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.01 min

Lab File: VD064258.D

Acq: 18 Nov 2019 12:09

Instrument :

MSVOA_D

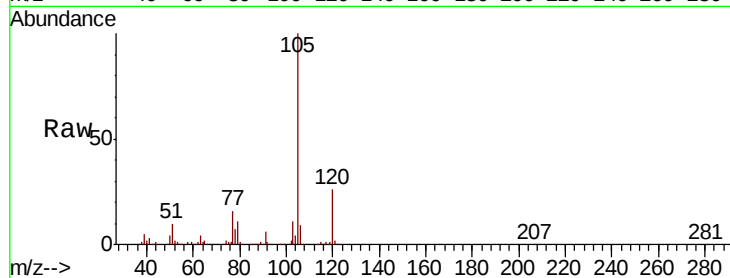
ClientSampleId :

Tot Ion:105 Resp: 561965

Ion Ratio Lower Upper

105 100

120 26.7 13.6 40.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.48

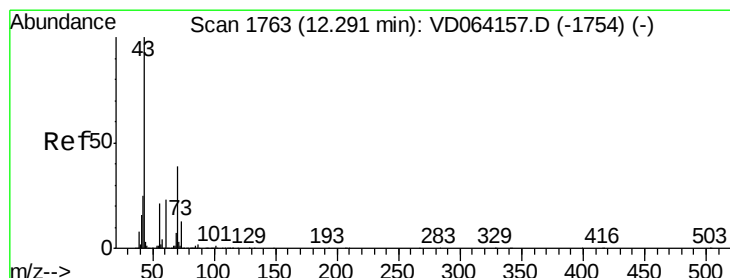
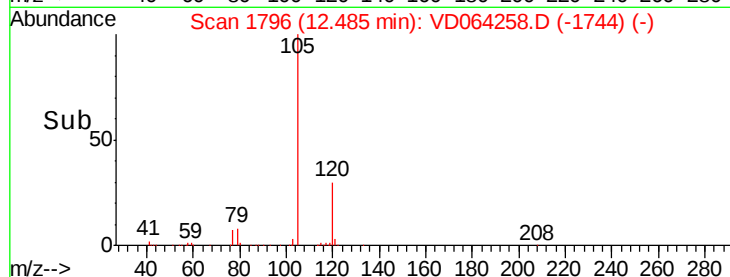
300000

200000

100000

0

Time-->



#74

N-ethyl acetate

Concen: 20.056 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. 0.01 min

Lab File: VD064258.D

Acq: 18 Nov 2019 12:09

Tgt Ion: 43 Resp: 130156

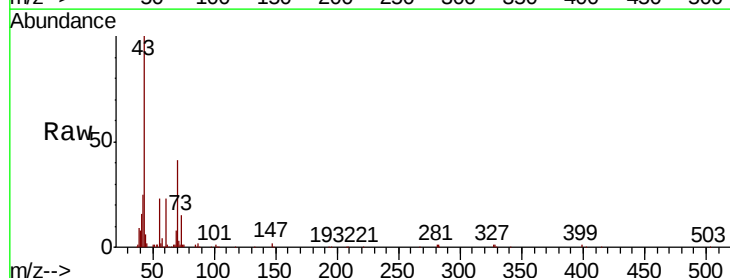
Ion Ratio Lower Upper

43 100

70 40.1 32.4 48.6

55 22.3 17.9 26.9

61 23.4 19.0 28.4



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 61.00 (60.70 to 61.70): VDC

120000

100000

80000

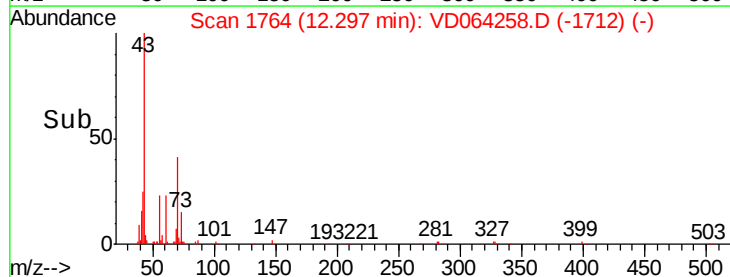
60000

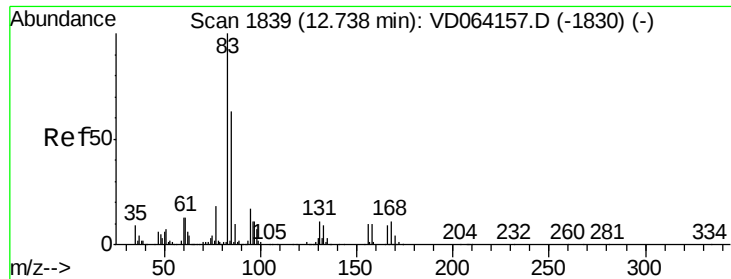
40000

20000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 21.422 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. -0.00 min

Lab File: VD064258.D

Acq: 18 Nov 2019 12:09

Instrument :

MSVOA_D

ClientSampleId :

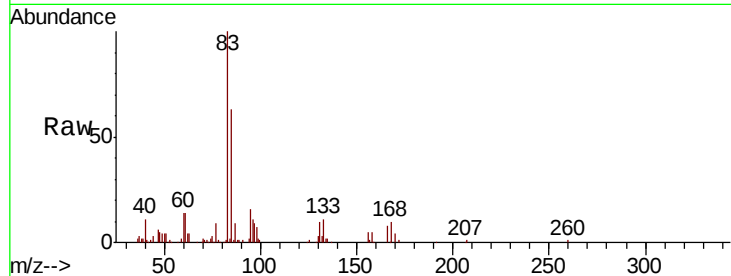
Tot Ion: 83 Resp: 88707

Ion Ratio Lower Upper

83 100

131 11.3 5.9 17.7

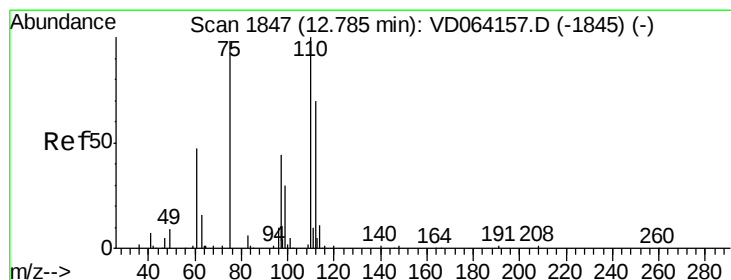
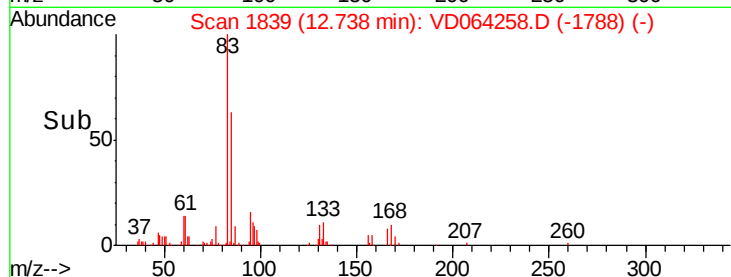
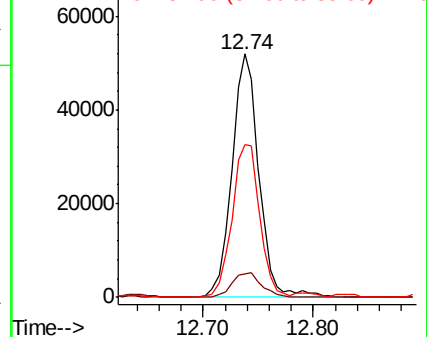
85 64.6 32.5 97.5



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: 39.109 ug/l

RT: 12.79 min Scan# 1848

Delta R.T. 0.01 min

Lab File: VD064258.D

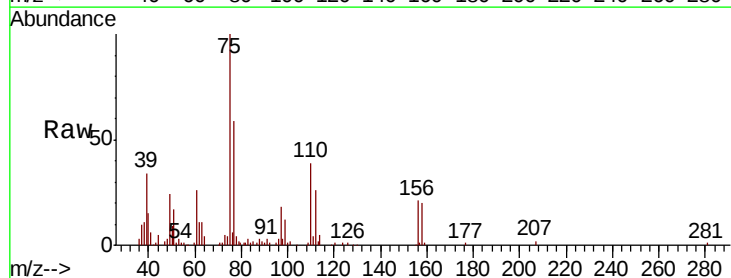
Acq: 18 Nov 2019 12:09

Tgt Ion: 75 Resp: 117941

Ion Ratio Lower Upper

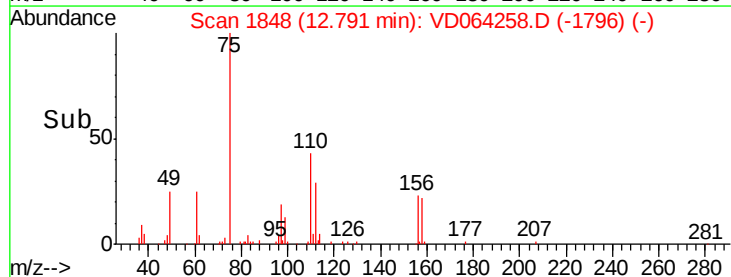
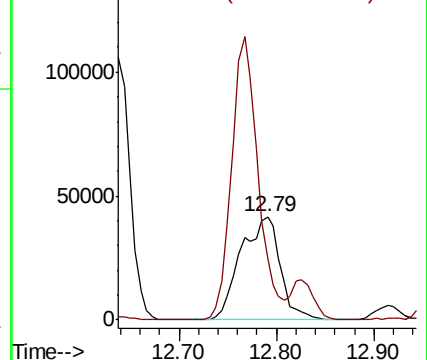
75 100

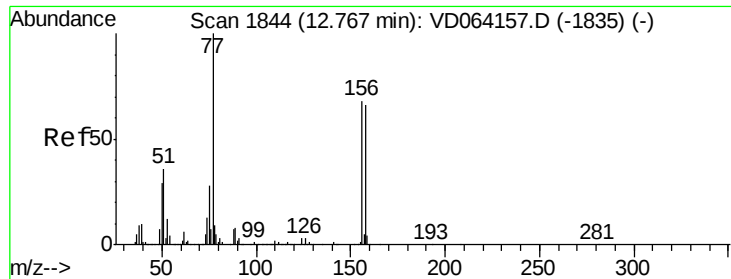
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC





#77

Bromobenzene

Concen: 20.463 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. -0.00 min

Lab File: VD064258.D

Acq: 18 Nov 2019 12:09

Instrument :

MSVOA_D

ClientSampleId :

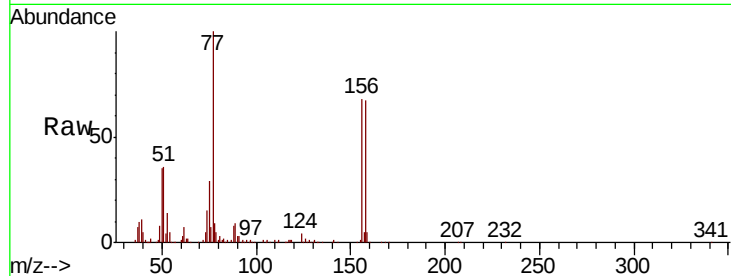
Tot Ion:156 Resp: 136621

Ion Ratio Lower Upper

156 100

77 158.7 81.2 243.4

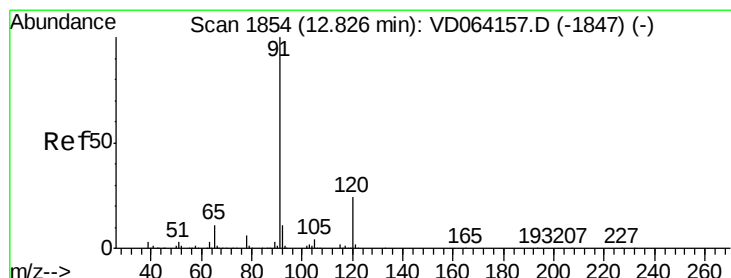
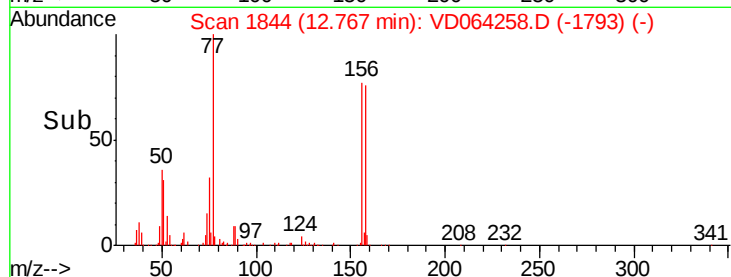
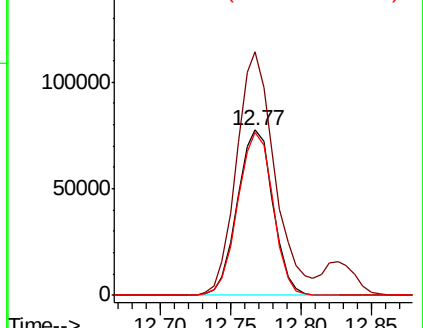
158 97.8 48.4 145.2



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: 20.363 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. -0.00 min

Lab File: VD064258.D

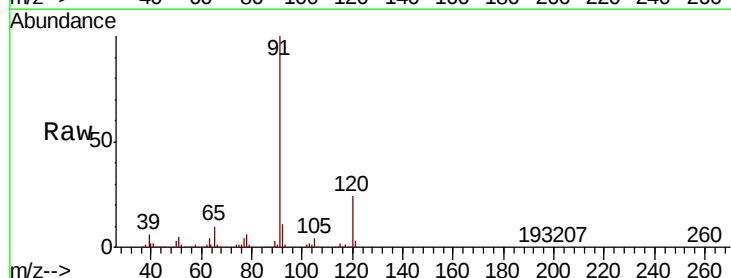
Acq: 18 Nov 2019 12:09

Tgt Ion: 91 Resp: 639344

Ion Ratio Lower Upper

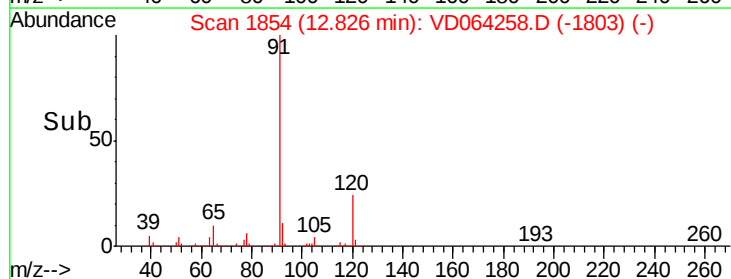
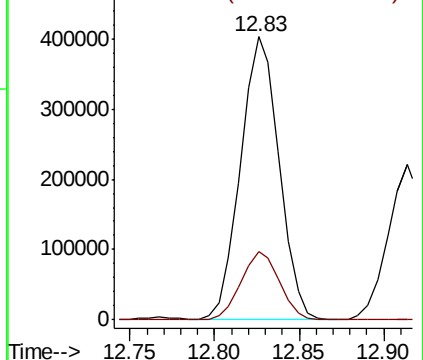
91 100

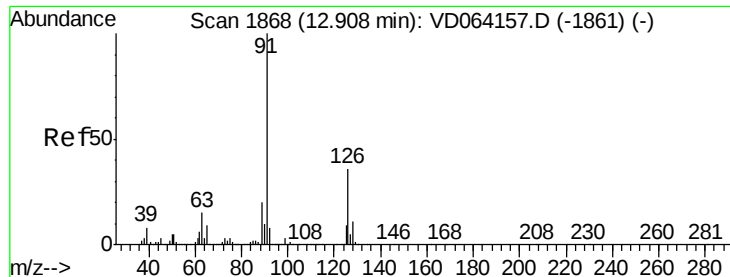
120 24.1 11.8 35.4



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.082 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.01 min

Lab File: VD064258.D

Acq: 18 Nov 2019 12:09

Instrument :

MSVOA_D

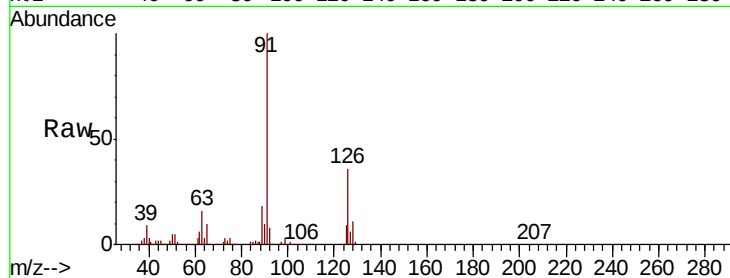
ClientSampleId :

Tot Ion: 91 Resp: 355991

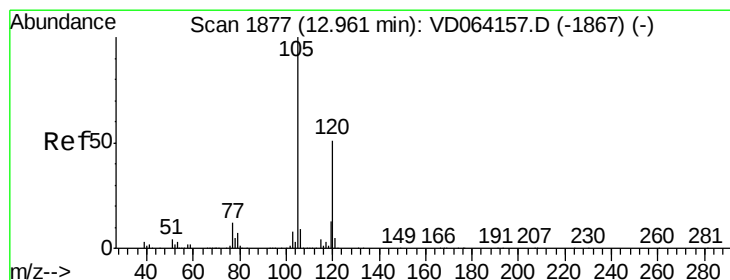
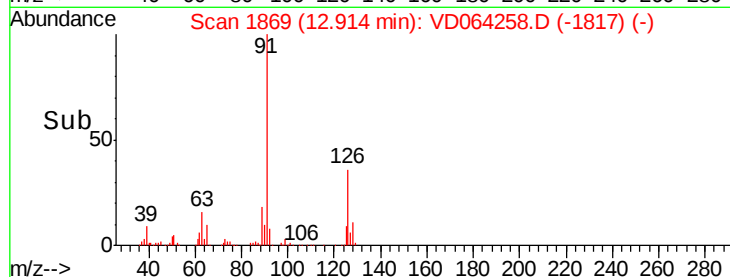
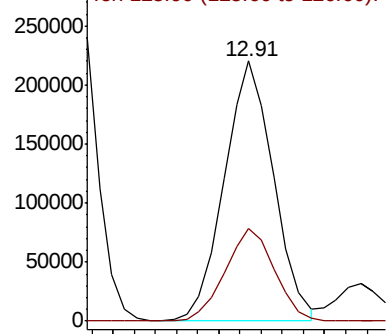
Ion Ratio Lower Upper

91 100

126 35.8 17.7 53.1



Abundance Ion 91.00 (90.70 to 91.70): V



#80

1,3,5-Trimethylbenzene

Concen: 20.158 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.01 min

Lab File: VD064258.D

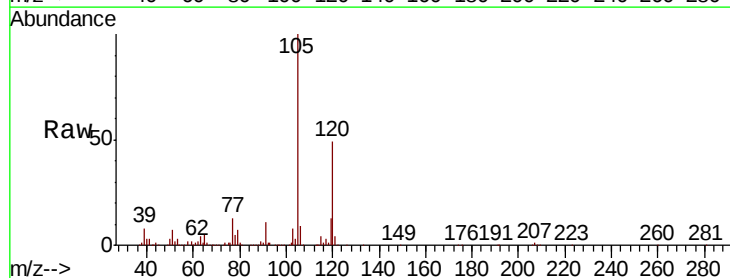
Acq: 18 Nov 2019 12:09

Tgt Ion: 105 Resp: 455188

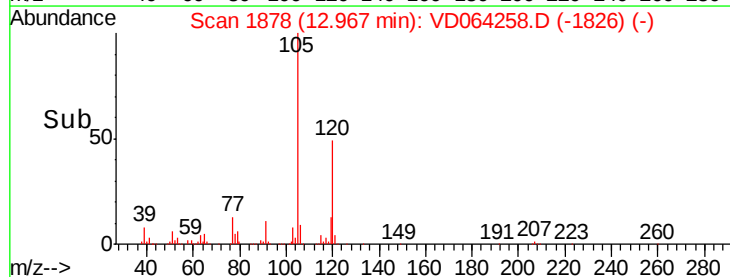
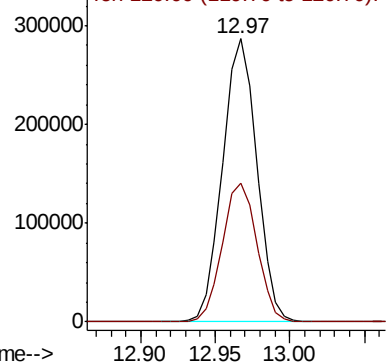
Ion Ratio Lower Upper

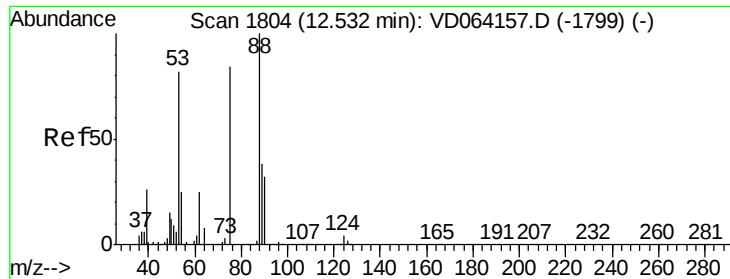
105 100

120 49.8 25.4 76.4



Abundance Ion 105.00 (104.70 to 105.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 19.937 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. -0.00 min

Lab File: VD064258.D

Acq: 18 Nov 2019 12:09

Instrument :

MSVOA_D

ClientSampleId :

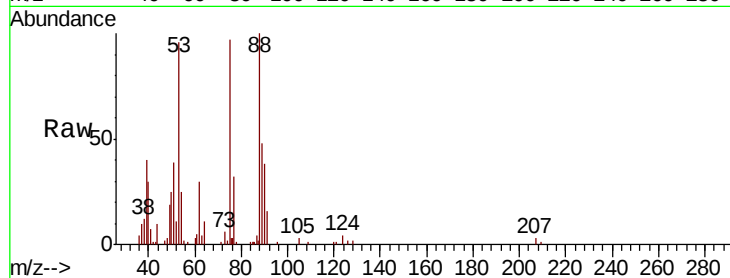
Tot Ion: 75 Resp: 30268

Ion Ratio Lower Upper

75 100

53 98.7 79.4 119.0

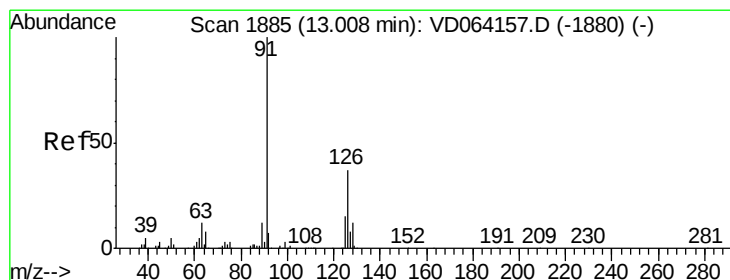
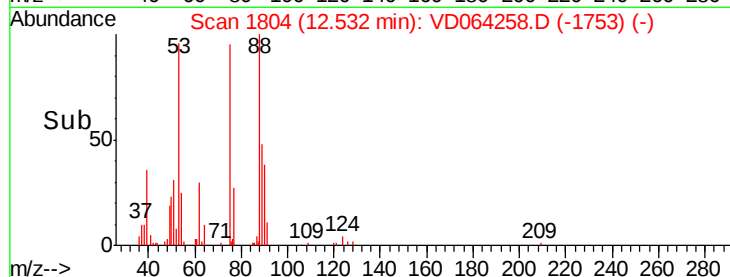
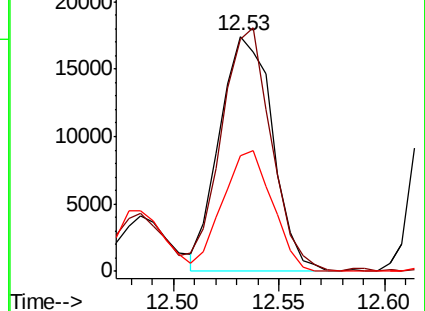
89 48.1 36.6 55.0



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 88.90 (88.60 to 89.60): VDC



#82

4-Chlorotoluene

Concen: 20.035 ug/l

RT: 13.01 min Scan# 1886

Delta R.T. 0.01 min

Lab File: VD064258.D

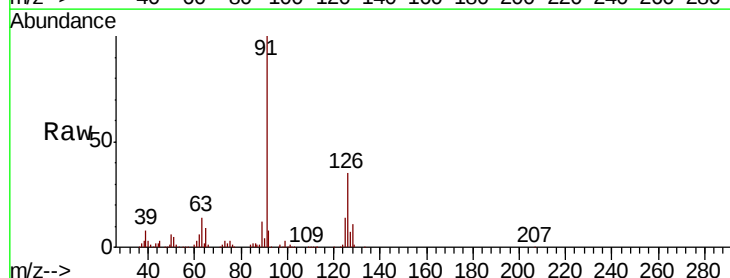
Acq: 18 Nov 2019 12:09

Tgt Ion: 91 Resp: 370425

Ion Ratio Lower Upper

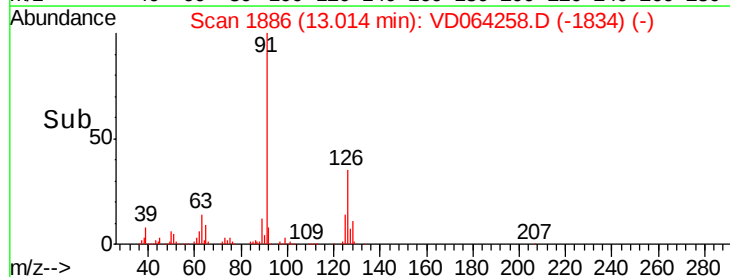
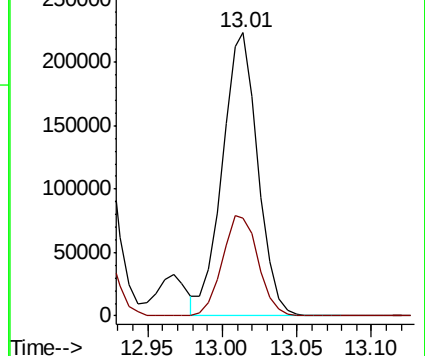
91 100

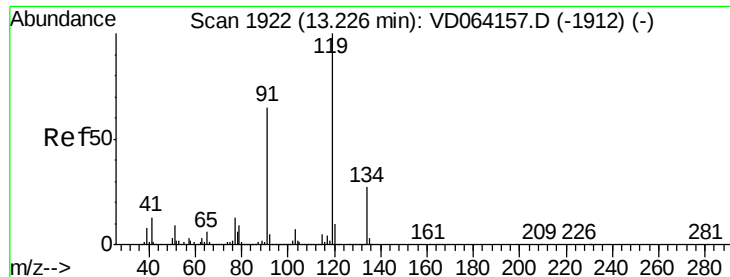
126 36.0 17.8 53.4



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.90 (125.60 to 126.60): V

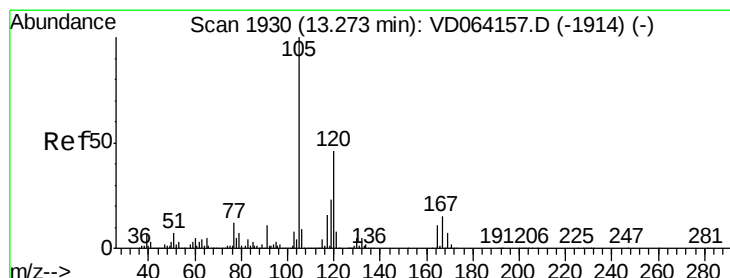
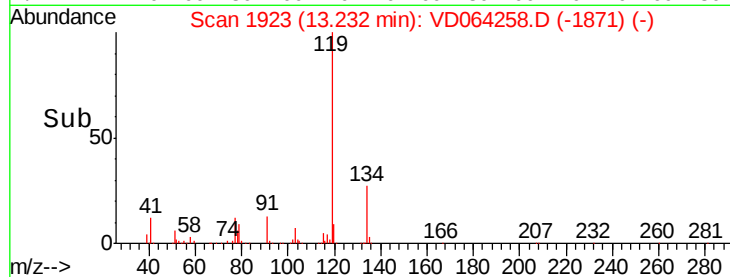
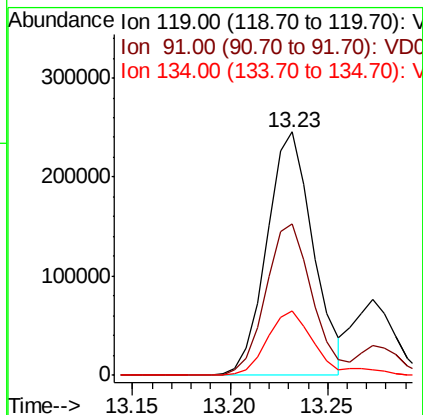
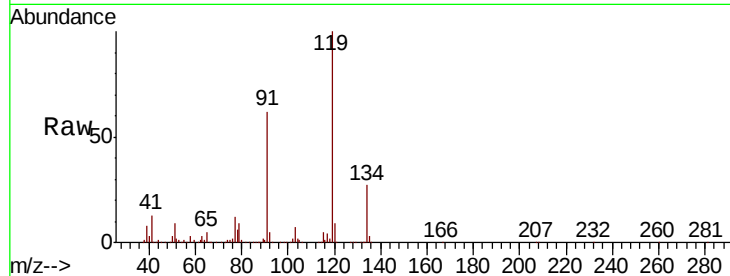




#83
tert-Butylbenzene
Concen: 20.262 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. 0.01 min
Lab File: VD064258.D
Acq: 18 Nov 2019 12:09

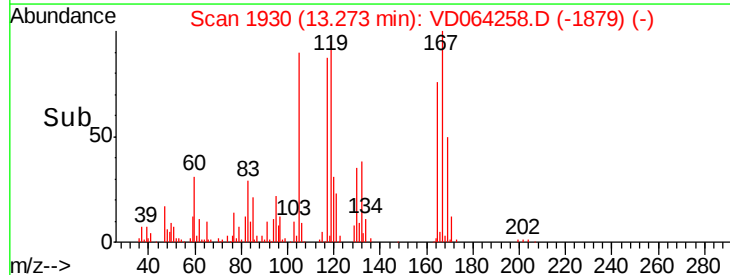
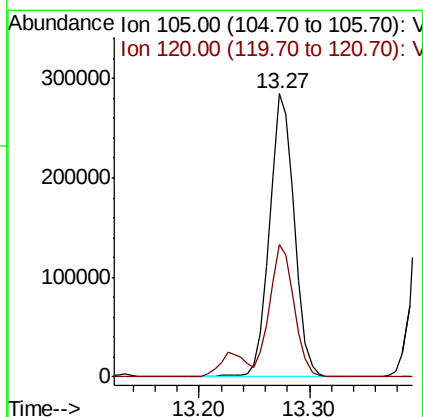
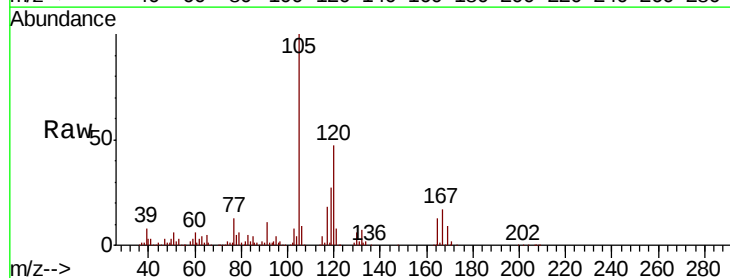
Instrument :
MSVOA_D
ClientSampleId :

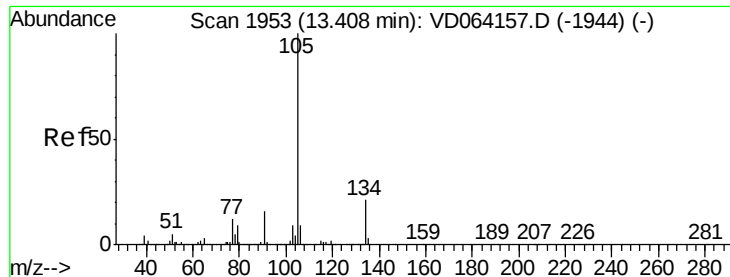
Tot Ion:119 Resp: 403460
Ion Ratio Lower Upper
119 100
91 62.7 31.8 95.4
134 28.0 13.7 41.0



#84
1,2,4-Trimethylbenzene
Concen: 20.013 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. -0.00 min
Lab File: VD064258.D
Acq: 18 Nov 2019 12:09

Tgt Ion:105 Resp: 446167
Ion Ratio Lower Upper
105 100
120 46.0 23.3 69.8





#85

sec-Butylbenzene

Concen: 20.444 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. -0.00 min

Lab File: VD064258.D

Acq: 18 Nov 2019 12:09

Instrument :

MSVOA_D

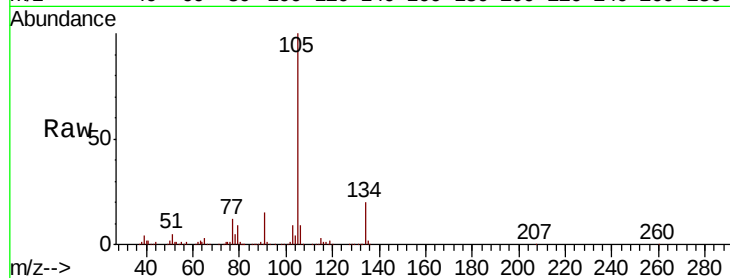
ClientSampleId :

Tot Ion:105 Resp: 546748

Ion Ratio Lower Upper

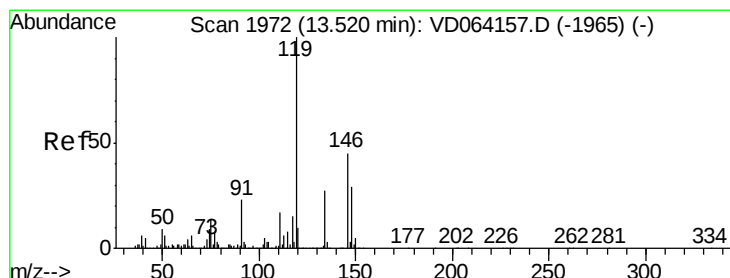
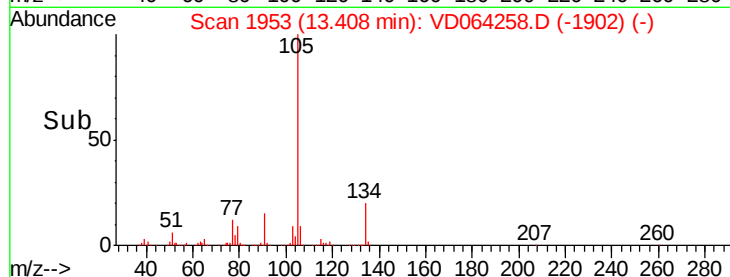
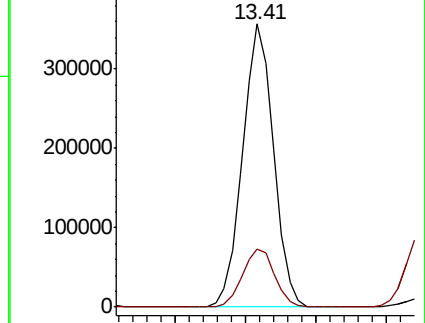
105 100

134 21.5 10.7 31.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 20.075 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. 0.01 min

Lab File: VD064258.D

Acq: 18 Nov 2019 12:09

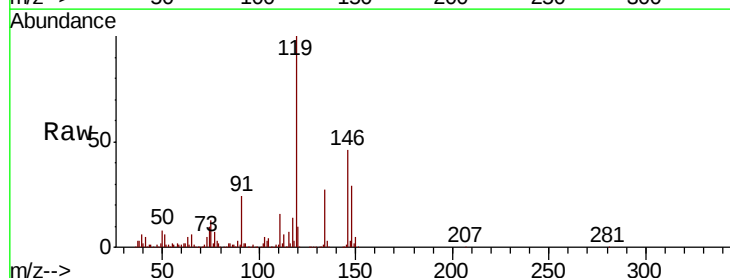
Tgt Ion:119 Resp: 510392

Ion Ratio Lower Upper

119 100

134 26.8 13.5 40.5

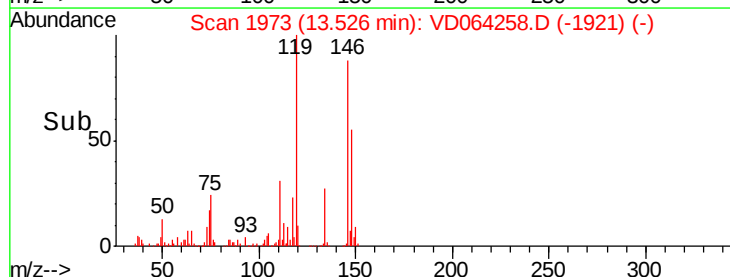
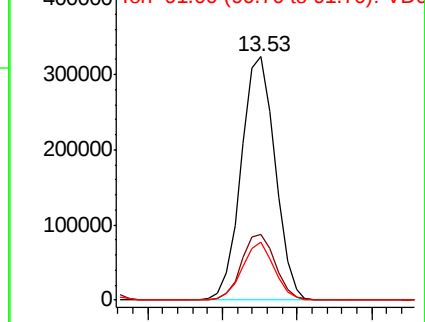
91 22.6 11.5 34.4

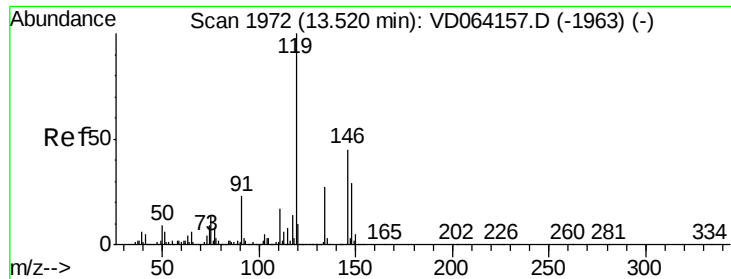


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

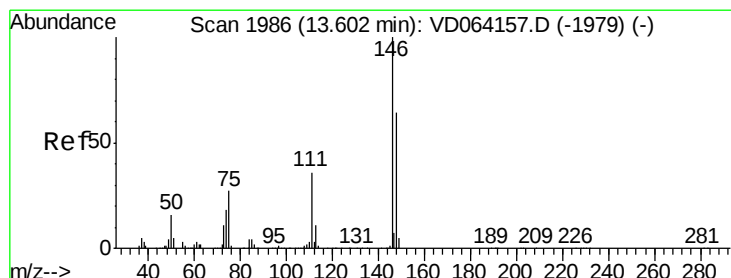
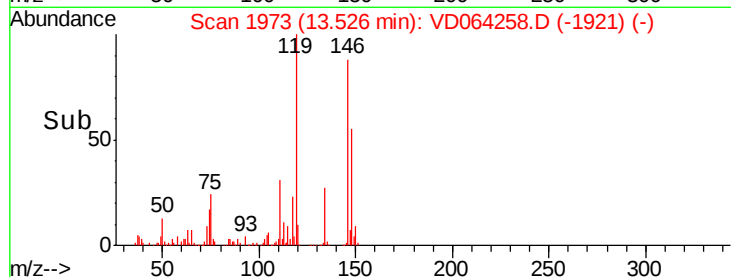
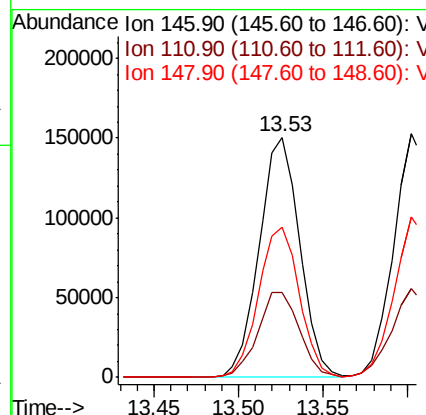
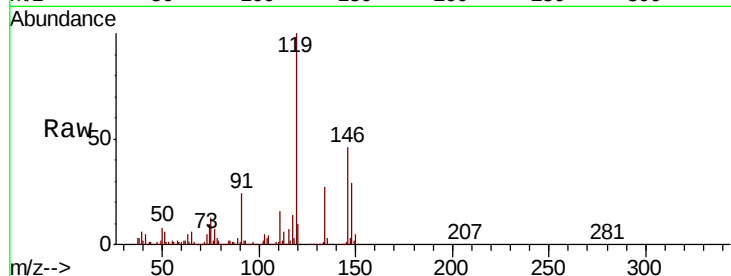




#87
 1,3-Dichlorobenzene
 Concen: 20.263 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.01 min
 Lab File: VD064258.D
 Acq: 18 Nov 2019 12:09

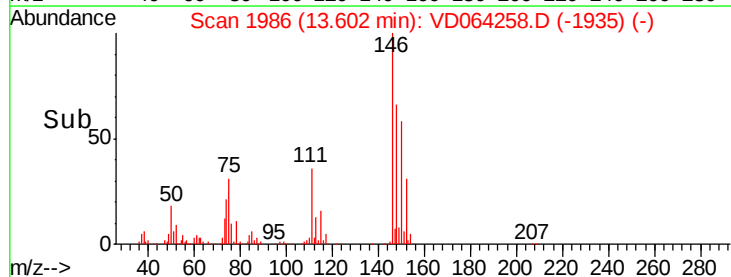
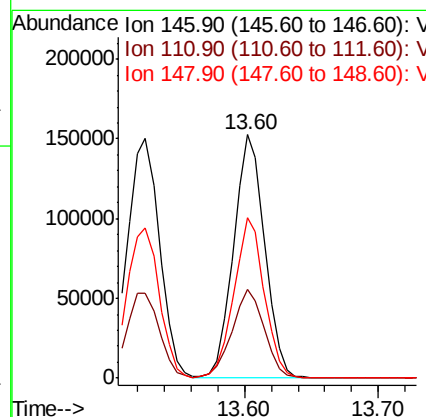
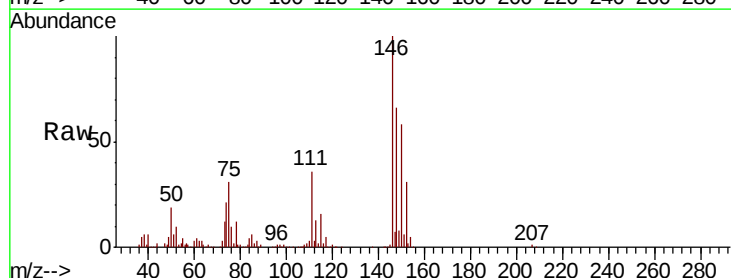
Instrument :
 MSVOA_D
 ClientSampleId :

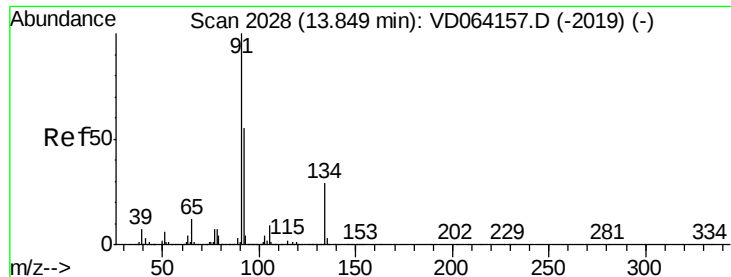
Tot Ion	Ratio	Lower	Upper
146	100		
111	36.4	18.9	56.9
148	63.1	32.1	96.5



#88
 1,4-Dichlorobenzene
 Concen: 20.549 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. -0.00 min
 Lab File: VD064258.D
 Acq: 18 Nov 2019 12:09

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.7	18.1	54.4
148	64.1	31.9	95.7

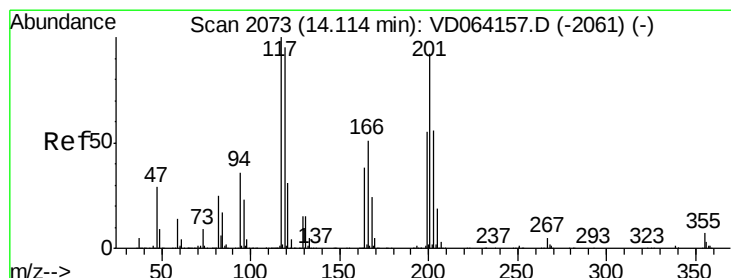
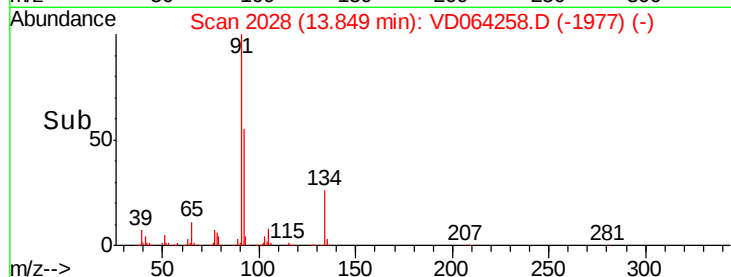
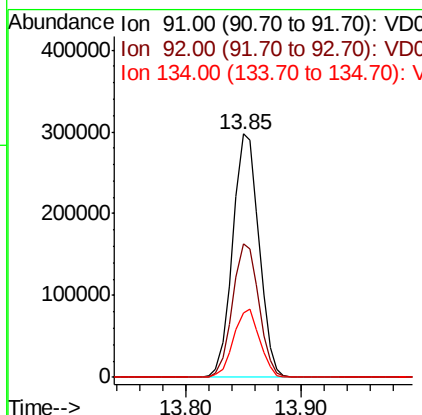
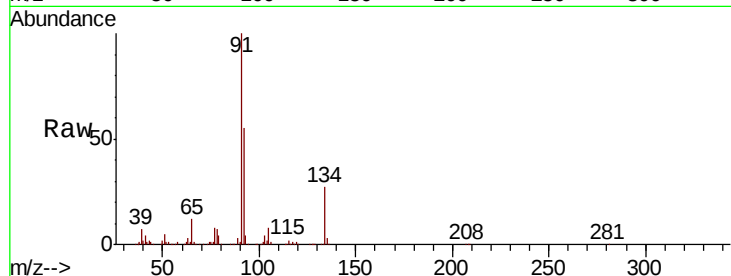




#89
n-Butylbenzene
Concen: 20.438 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. -0.00 min
Lab File: VD064258.D
Acq: 18 Nov 2019 12:09

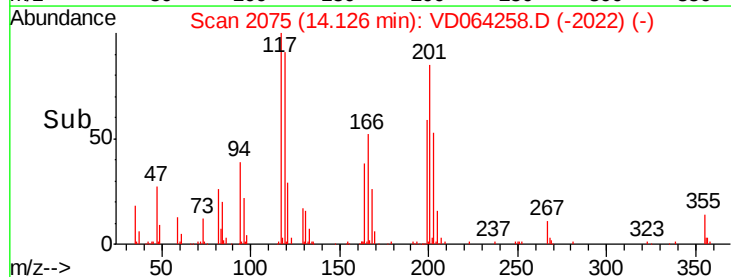
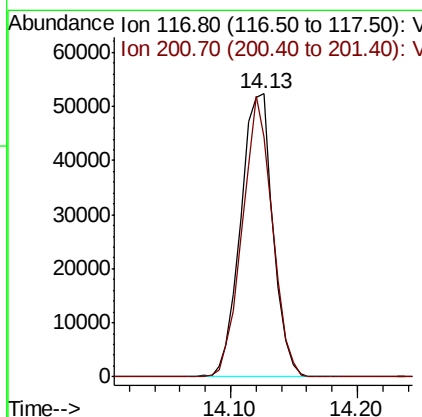
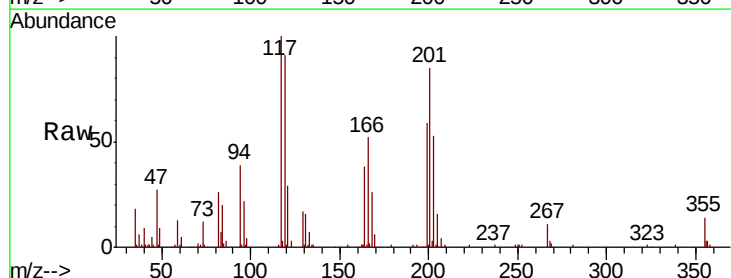
Instrument :
MSVOA_D
ClientSampleId :

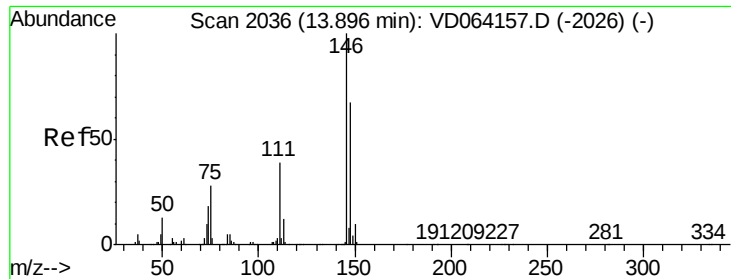
Tot Ion: 91 Resp: 469466
Ion Ratio Lower Upper
91 100
92 54.7 27.3 81.8
134 27.7 14.1 42.4



#90
Hexachloroethane
Concen: 19.801 ug/l
RT: 14.13 min Scan# 2075
Delta R.T. 0.01 min
Lab File: VD064258.D
Acq: 18 Nov 2019 12:09

Tgt Ion: 117 Resp: 93042
Ion Ratio Lower Upper
117 100
201 91.5 45.8 137.4

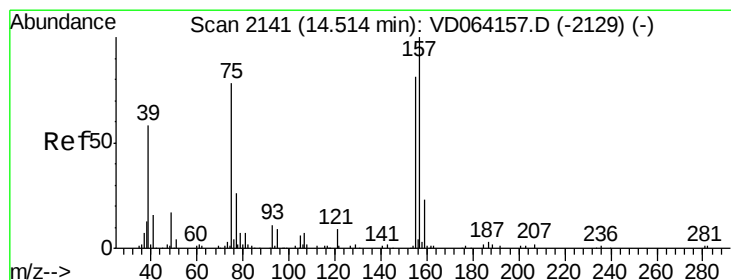
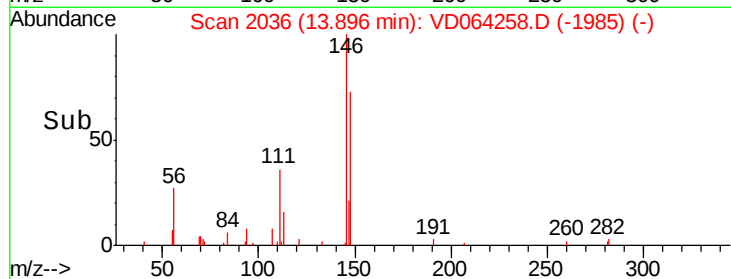
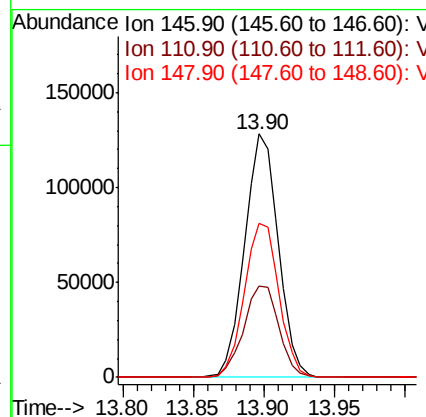
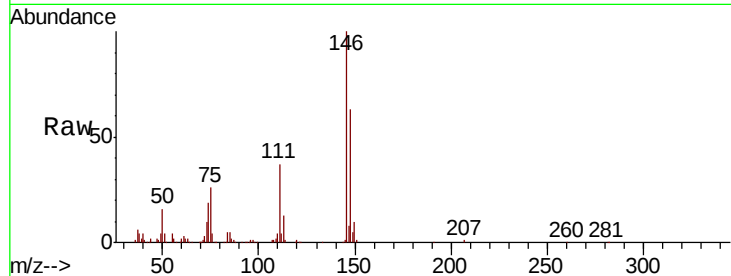




#91
 1,2-Dichlorobenzene
 Concen: 20.395 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. -0.00 min
 Lab File: VD064258.D
 Acq: 18 Nov 2019 12:09

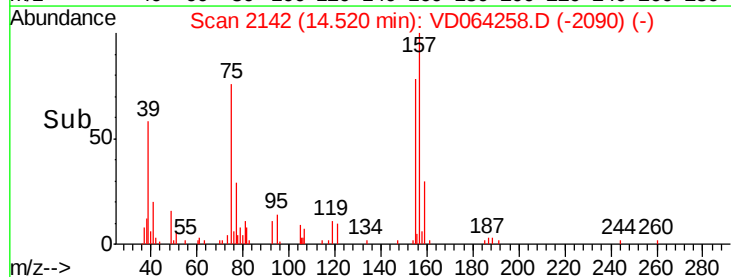
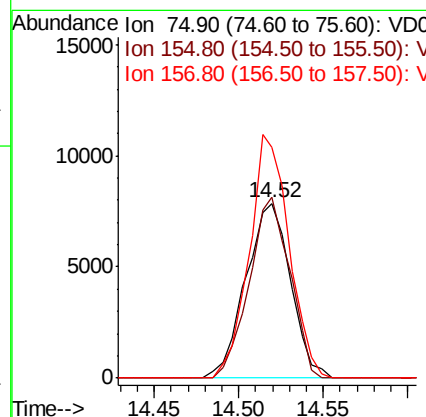
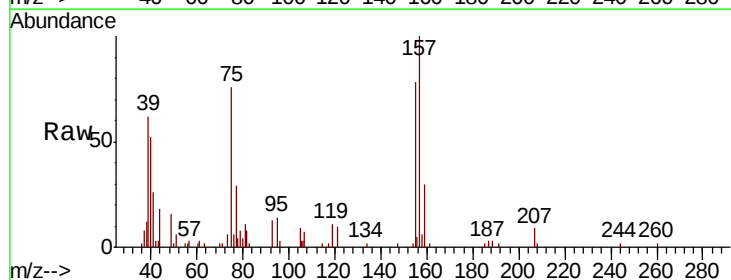
Instrument :
 MSVOA_D
 ClientSampleId :

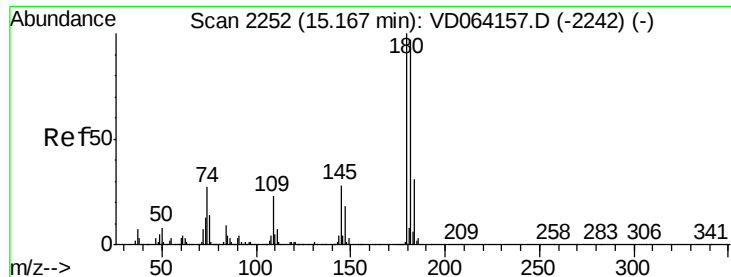
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.5	19.7	59.0
148	64.7	32.3	96.8



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.520 ug/l
 RT: 14.52 min Scan# 2142
 Delta R.T. 0.01 min
 Lab File: VD064258.D
 Acq: 18 Nov 2019 12:09

Tgt Ion	Ratio	Lower	Upper
75	100		
155	94.2	48.0	144.0
157	124.1	61.5	184.4

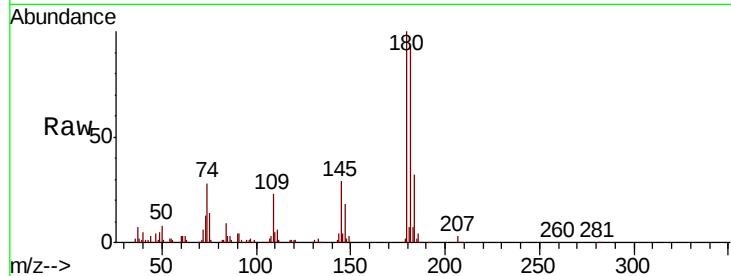




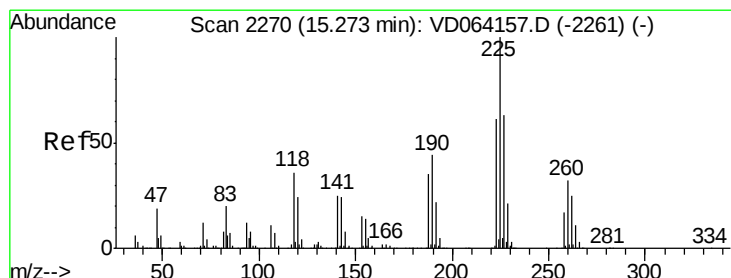
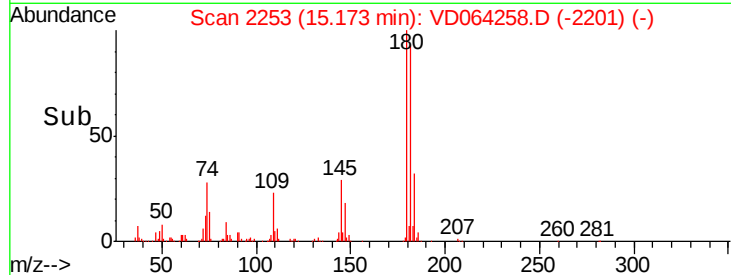
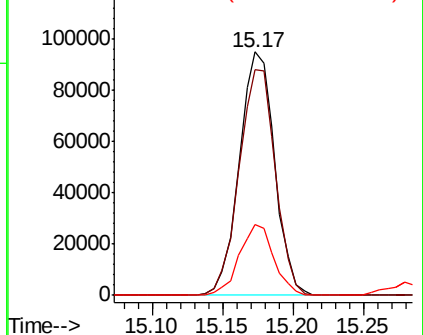
#93
 1,2,4-Trichlorobenzene
 Concen: 20.496 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. 0.01 min
 Lab File: VD064258.D
 Acq: 18 Nov 2019 12:09

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.6	47.5	142.5
145	28.5	14.2	42.6

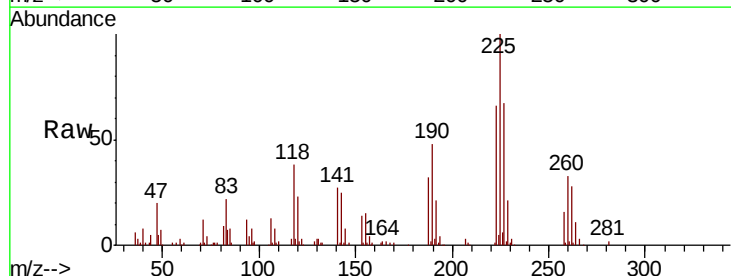


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

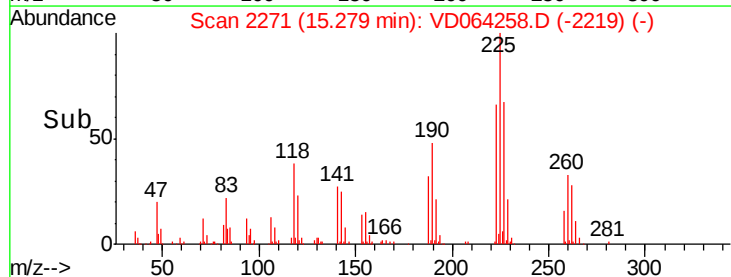
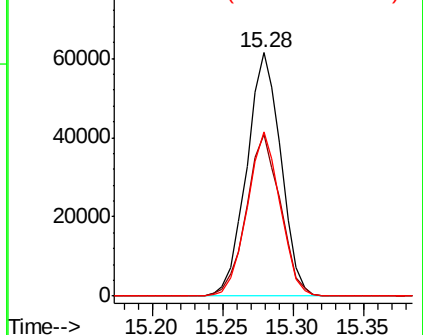


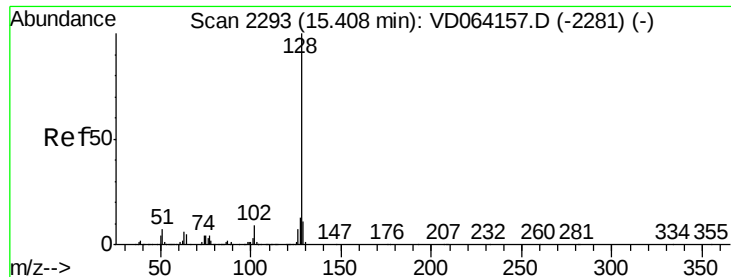
#94
 Hexachlorobutadiene
 Concen: 19.965 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.01 min
 Lab File: VD064258.D
 Acq: 18 Nov 2019 12:09

Tgt Ion	Ratio	Lower	Upper
225	100		
223	66.2	31.1	93.3
227	65.1	31.5	94.5



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: 21.306 ug/l

RT: 15.41 min Scan# 2294

Delta R.T. 0.01 min

Lab File: VD064258.D

Acq: 18 Nov 2019 12:09

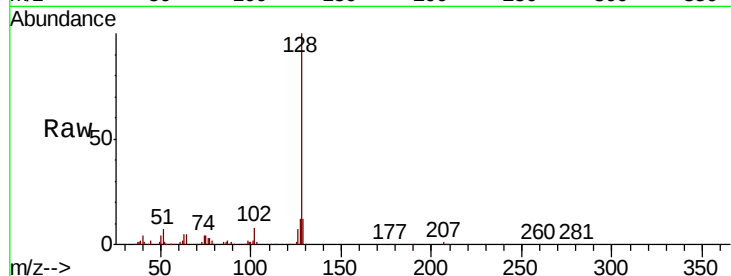
Instrument :

MSVOA_D

ClientSampleId :

Tot Ion:128 Resp: 282619

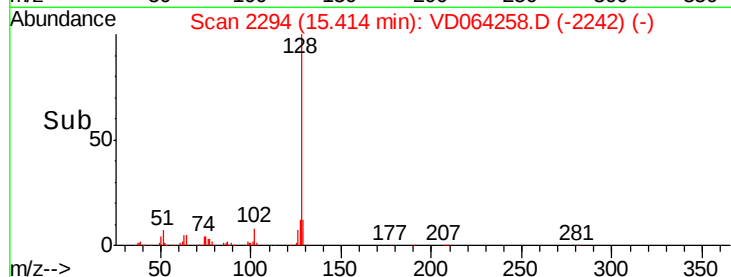
Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.5	15.7
129	11.6	8.6	13.0



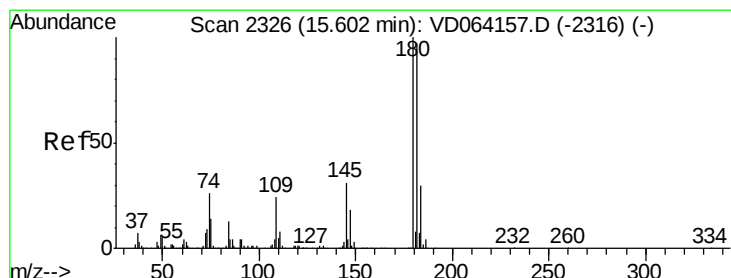
Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



Time--> 15.30 15.40 15.50



#96

1,2,3-Trichlorobenzene

Concen: 21.162 ug/l

RT: 15.60 min Scan# 2326

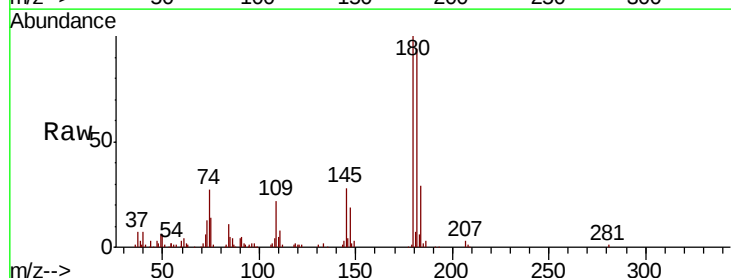
Delta R.T. -0.00 min

Lab File: VD064258.D

Acq: 18 Nov 2019 12:09

Tgt Ion:180 Resp: 145559

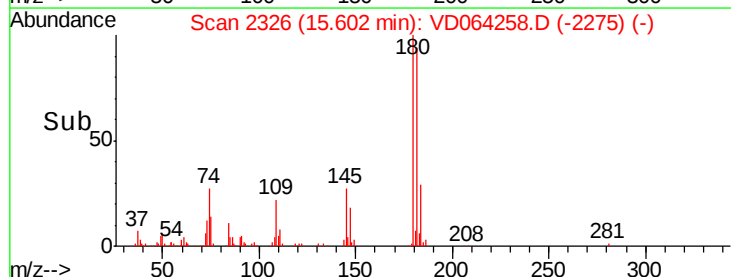
Ion	Ratio	Lower	Upper
180	100		
182	94.9	48.3	144.9
145	29.8	15.3	45.8



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V



Time--> 15.55 15.60 15.65