

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD111819\
 Data File : VD064255.D
 Acq On : 18 Nov 2019 10:29
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Nov 19 04:34:31 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	683493	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	960664	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	832039	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	407551	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.34	65	284252	50.57	ug/l	0.00
Spiked Amount			Recovery	=	101.14%	
35) Dibromofluoromethane	7.92	113	286770	52.00	ug/l	0.00
Spiked Amount			Recovery	=	104.00%	
50) Toluene-d8	10.34	98	1093340	52.56	ug/l	0.00
Spiked Amount			Recovery	=	105.12%	
62) 4-Bromofluorobenzene	12.64	95	360711	50.07	ug/l	0.00
Spiked Amount			Recovery	=	100.14%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	276583	48.791	ug/l	98
3) Chloromethane	2.21	50	320525	52.715	ug/l	99
4) Vinyl Chloride	2.35	62	375286	57.717	ug/l	98
5) Bromomethane	2.77	94	237535	57.853	ug/l	98
6) Chloroethane	2.92	64	243215	58.539	ug/l	98
7) Trichlorofluoromethane	3.27	101	628363	59.606	ug/l	97
8) Diethyl Ether	3.71	74	140558	48.491	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.08	101	306974	50.947	ug/l	98
10) Methyl Iodide	4.29	142	330517	48.133	ug/l	99
11) Tert butyl alcohol	5.25	59	93759	238.800	ug/l	99
12) 1,1-Dichloroethene	4.06	96	291605	50.774	ug/l	96
13) Acrolein	3.92	56	97835	294.550	ug/l	99
14) Allyl chloride	4.71	41	492821	48.532	ug/l	95
15) Acrylonitrile	5.43	53	297936	241.103	ug/l	99
16) Acetone	4.16	43	311694	234.058	ug/l	93
17) Carbon Disulfide	4.40	76	882269	49.328	ug/l	100
18) Methyl Acetate	4.72	43	172826	46.465	ug/l	98
19) Methyl tert-butyl Ether	5.48	73	666689	48.626	ug/l	96
20) Methylene Chloride	4.96	84	295730	43.963	ug/l	99
21) trans-1,2-Dichloroethene	5.47	96	323399	49.701	ug/l	99
22) Diisopropyl ether	6.37	45	932249	49.480	ug/l	98
23) Vinyl Acetate	6.31	43	2661621	253.429	ug/l	99
24) 1,1-Dichloroethane	6.27	63	552170	50.474	ug/l	97
25) 2-Butanone	7.22	43	410879	238.817	ug/l	100
26) 2,2-Dichloropropane	7.21	77	526022	49.031	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	354437	50.794	ug/l	97
28) Bromochloromethane	7.54	49	208359	54.707	ug/l	98
29) Tetrahydrofuran	7.57	42	250019	241.868	ug/l	99
30) Chloroform	7.71	83	576865	51.551	ug/l	98
31) Cyclohexane	7.98	56	520991	47.222	ug/l	100
32) 1,1,1-Trichloroethane	7.90	97	542780	50.657	ug/l	99
36) 1,1-Dichloropropene	8.11	75	456857	51.528	ug/l	99
37) Ethyl Acetate	7.30	43	171738	45.947	ug/l	98
38) Carbon Tetrachloride	8.09	117	494773	52.153	ug/l	97

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	561098	50.014	ug/l	98
40) Benzene	8.35	78	1230982	50.802	ug/l	99
41) Methacrylonitrile	7.53	41	110278	46.942	ug/l	96
42) 1,2-Dichloroethane	8.43	62	354841	48.758	ug/l	99
43) Isopropyl Acetate	8.46	43	369876	48.028	ug/l	100
44) Trichloroethene	9.11	130	364301	50.092	ug/l	98
45) 1,2-Dichloropropane	9.39	63	298524	50.616	ug/l	98
46) Dibromomethane	9.48	93	154176	48.829	ug/l	99
47) Bromodichloromethane	9.67	83	431751	50.765	ug/l	99
48) Methyl methacrylate	9.46	41	172768	45.879	ug/l	98
49) 1,4-Dioxane	9.47	88	36413	960.241	ug/l	95
51) 4-Methyl-2-Pentanone	10.23	43	881354	238.649	ug/l	100
52) Toluene	10.41	92	799020	50.147	ug/l	98
53) t-1,3-Dichloropropene	10.63	75	422119	49.541	ug/l	100
54) cis-1,3-Dichloropropene	10.09	75	490586	49.341	ug/l	100
55) 1,1,2-Trichloroethane	10.81	97	218582	51.031	ug/l	99
56) Ethyl methacrylate	10.67	69	288321	48.119	ug/l	96
57) 1,3-Dichloropropane	10.95	76	372693	49.891	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	570248	234.949	ug/l	99
59) 2-Hexanone	10.99	43	616437	234.616	ug/l	99
60) Dibromochloromethane	11.14	129	296201	49.559	ug/l	100
61) 1,2-Dibromoethane	11.25	107	213046	49.659	ug/l	100
64) Tetrachloroethene	10.88	164	311678	48.706	ug/l	97
65) Chlorobenzene	11.67	112	841712	49.748	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.75	131	321267	49.936	ug/l	99
67) Ethyl Benzene	11.75	91	1549747	50.638	ug/l	100
68) m/p-Xylenes	11.85	106	1183085	100.853	ug/l	100
69) o-Xylene	12.18	106	544140	50.015	ug/l	100
70) Styrene	12.20	104	950775	50.064	ug/l	99
71) Bromoform	12.37	173	181296	49.516	ug/l	100
73) Isopropylbenzene	12.48	105	1514253	50.620	ug/l	100
74) N-amyl acetate	12.30	43	335394	47.479	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.74	83	221073	49.045	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	306873	93.482	ug/l #	100
77) Bromobenzene	12.77	156	358915	49.387	ug/l	99
78) n-propylbenzene	12.83	91	1737643	50.842	ug/l	99
79) 2-Chlorotoluene	12.91	91	963306	49.923	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	1230260	50.050	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.54	75	77019	46.605	ug/l	98
82) 4-Chlorotoluene	13.01	91	1005311	49.951	ug/l	99
83) tert-Butylbenzene	13.23	119	1075851	49.637	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	1219473	50.252	ug/l	100
85) sec-Butylbenzene	13.41	105	1483787	50.970	ug/l	100
86) p-Isopropyltoluene	13.53	119	1402445	50.674	ug/l	100
87) 1,3-Dichlorobenzene	13.53	146	675597	50.080	ug/l	100
88) 1,4-Dichlorobenzene	13.60	146	661222	50.220	ug/l	99
89) n-Butylbenzene	13.85	91	1286684	51.460	ug/l	99
90) Hexachloroethane	14.12	117	260335	50.899	ug/l	98
91) 1,2-Dichlorobenzene	13.90	146	577304	50.559	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.51	75	37339	46.331	ug/l	100

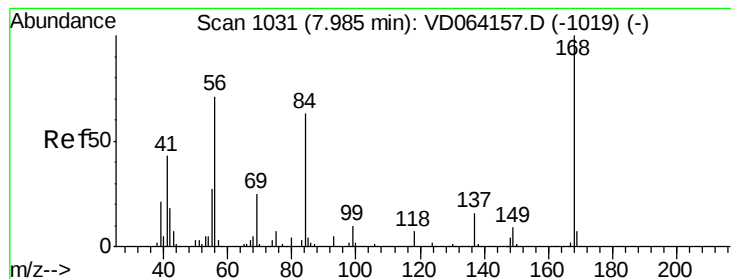
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	445803	50.612	ug/l	99
94) Hexachlorobutadiene	15.28	225	290357	51.036	ug/l	99
95) Naphthalene	15.41	128	704631	48.801	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	374899	50.071	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD064255.D

Acq: 18 Nov 2019 10:29

Instrument :

MSVOA_D

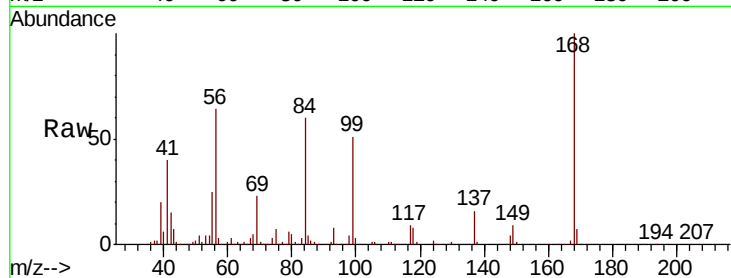
ClientSampleId :

Tot Ion:168 Resp: 683493

Ion Ratio Lower Upper

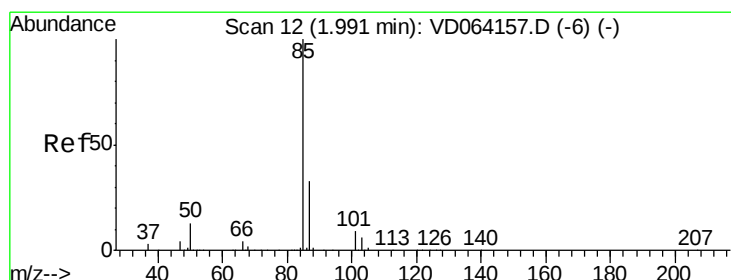
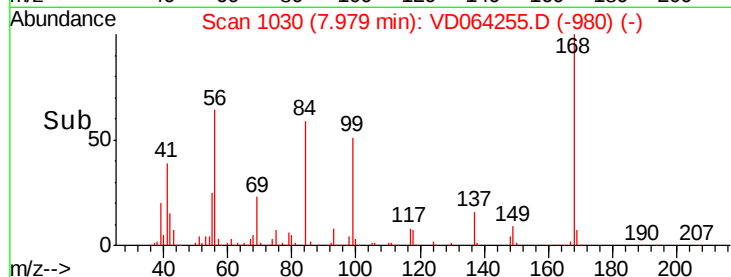
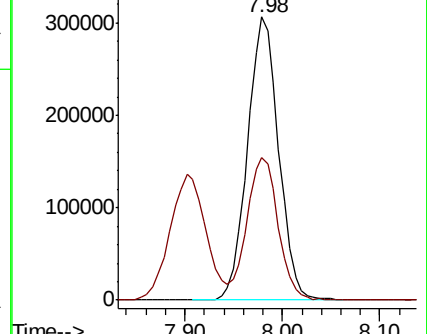
168 100

99 50.4 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: 48.791 ug/l

RT: 1.99 min Scan# 12

Delta R.T. -0.00 min

Lab File: VD064255.D

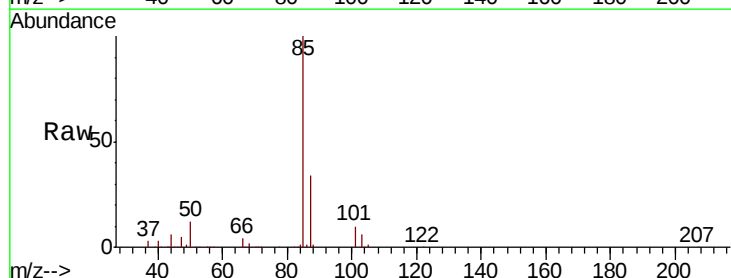
Acq: 18 Nov 2019 10:29

Tgt Ion: 85 Resp: 276583

Ion Ratio Lower Upper

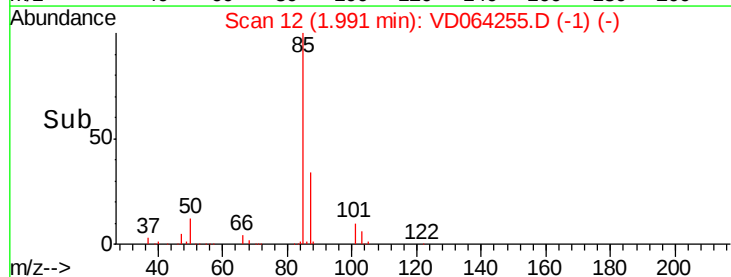
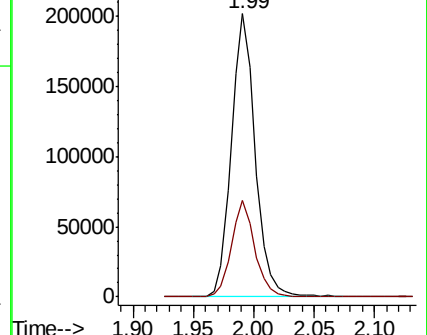
85 100

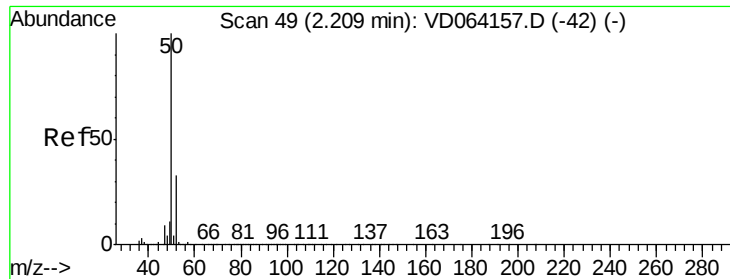
87 34.1 16.4 49.2



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 52.715 ug/l

RT: 2.21 min Scan# 49

Delta R.T. -0.00 min

Lab File: VD064255.D

Acq: 18 Nov 2019 10:29

Instrument :

MSVOA_D

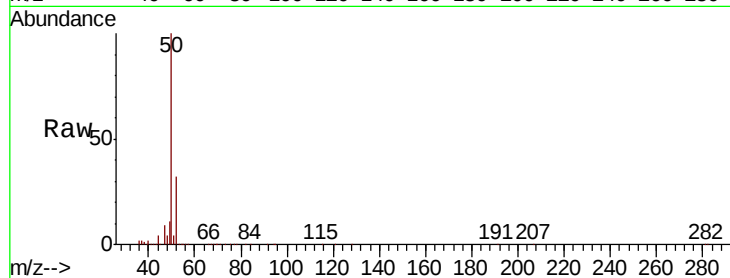
ClientSampled :

Tot Ion: 50 Resp: 320525

Ion Ratio Lower Upper

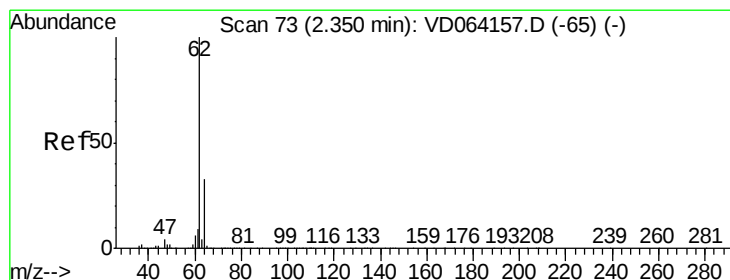
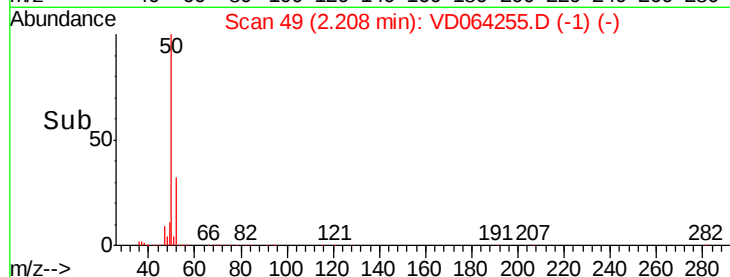
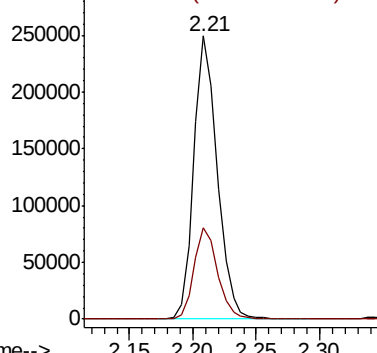
50 100

52 32.2 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: 57.717 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD064255.D

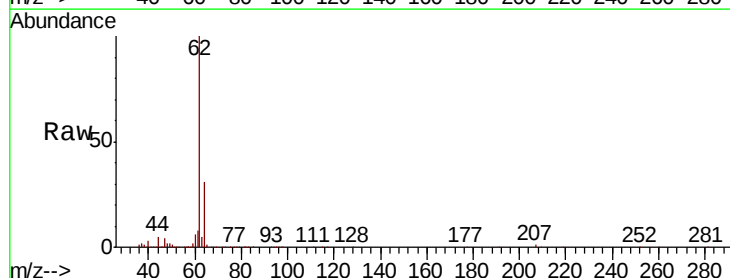
Acq: 18 Nov 2019 10:29

Tgt Ion: 62 Resp: 375286

Ion Ratio Lower Upper

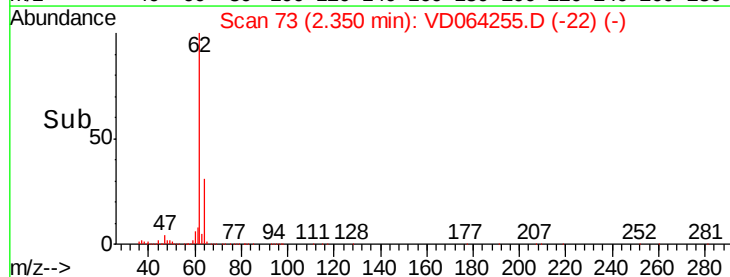
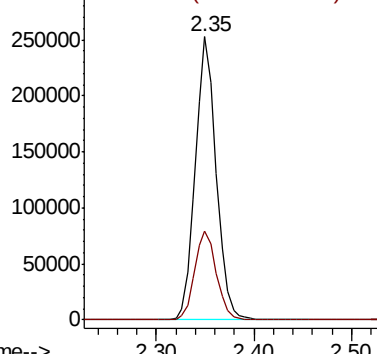
62 100

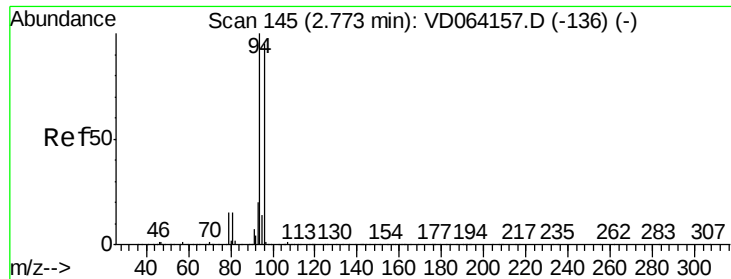
64 31.3 26.2 39.2



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 57.853 ug/l

RT: 2.77 min Scan# 144

Delta R.T. -0.01 min

Lab File: VD064255.D

Acq: 18 Nov 2019 10:29

Instrument :

MSVOA_D

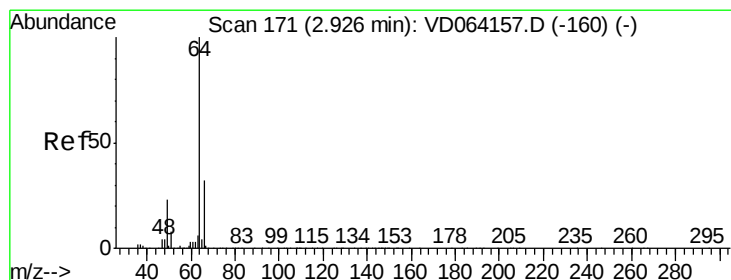
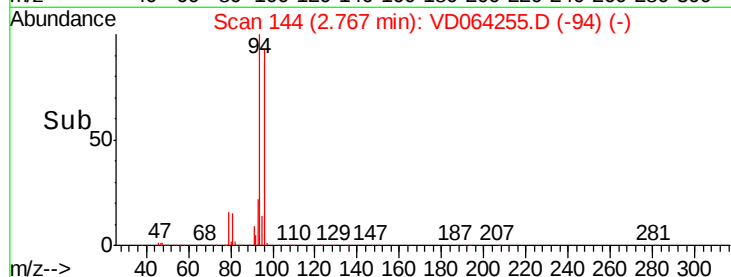
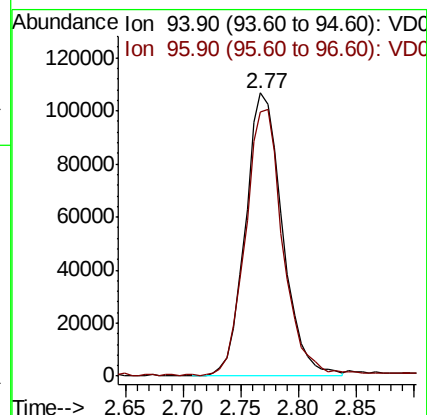
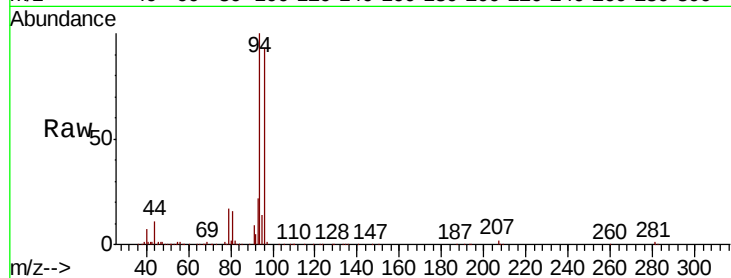
ClientSampleId :

Tot Ion: 94 Resp: 237535

Ion Ratio Lower Upper

94 100

96 93.0 76.2 114.4



#6

Chloroethane

Concen: 58.539 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.01 min

Lab File: VD064255.D

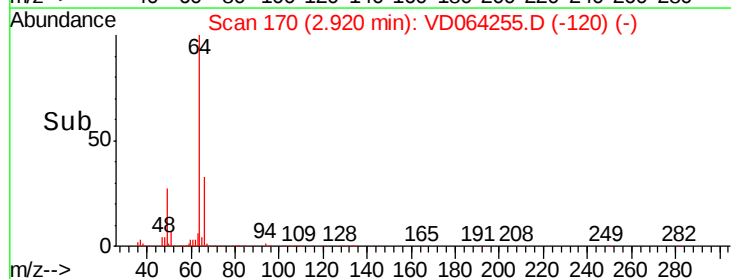
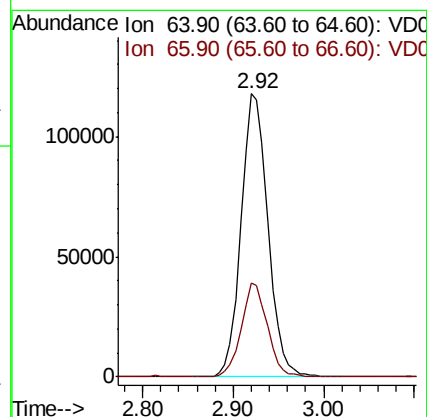
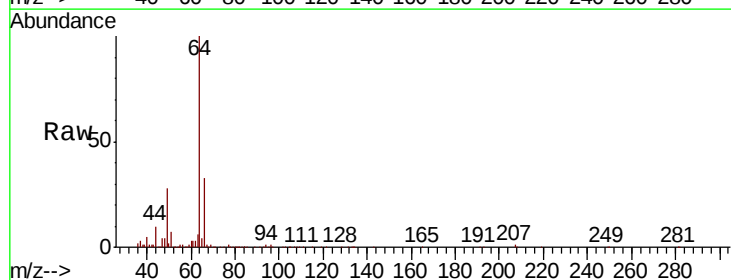
Acq: 18 Nov 2019 10:29

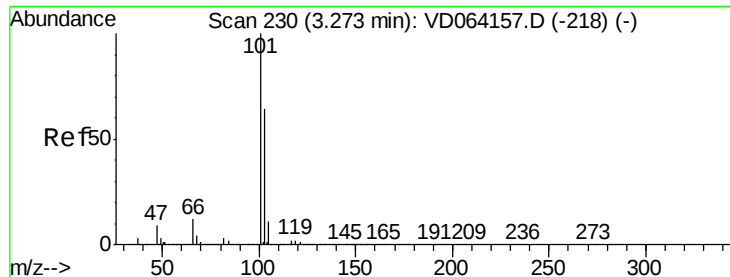
Tgt Ion: 64 Resp: 243215

Ion Ratio Lower Upper

64 100

66 33.2 25.5 38.3



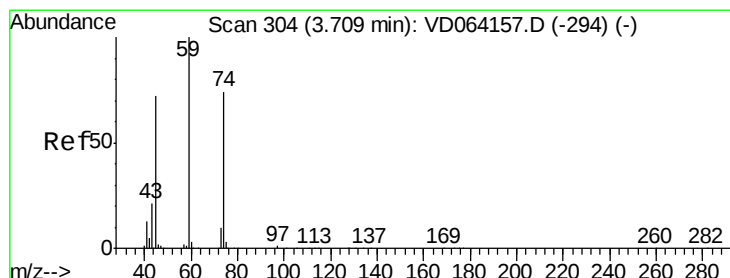
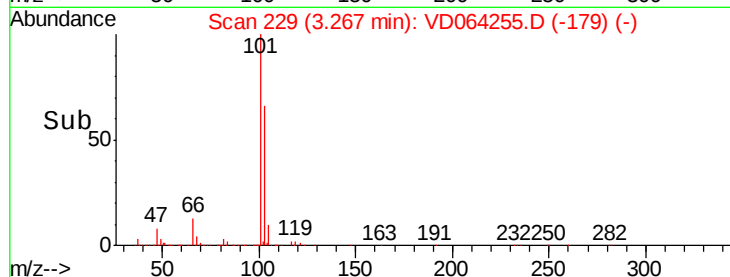
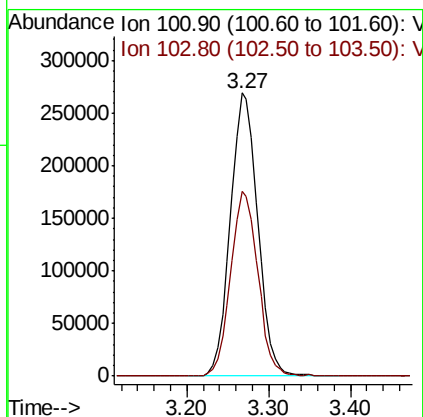
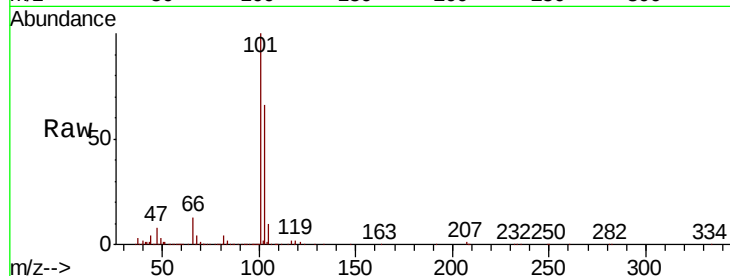


#7

Trichlorofluoromethane
Concen: 59.606 ug/l
RT: 3.27 min Scan# 229
Delta R.T. -0.01 min
Lab File: VD064255.D
Acq: 18 Nov 2019 10:29

Instrument :
MSVOA_D
ClientSampleId :

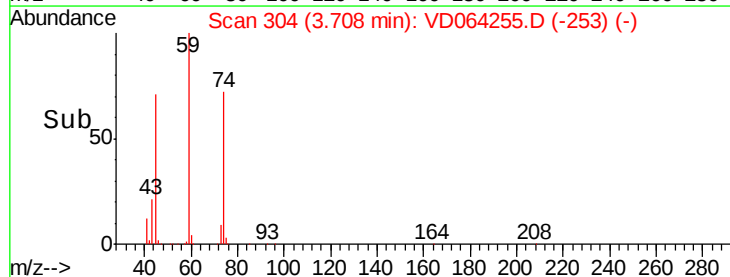
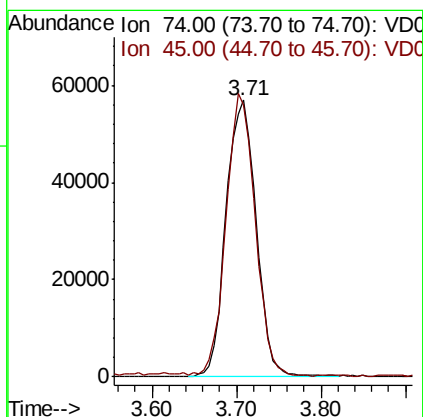
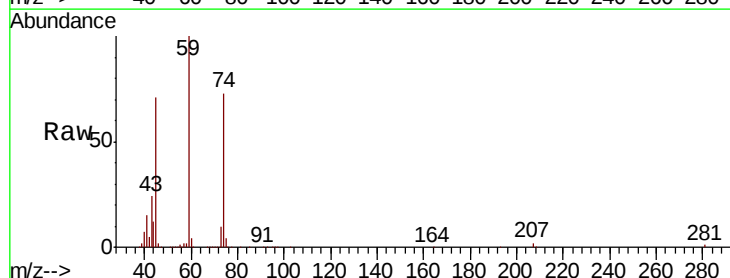
Tot Ion:101 Resp: 628363
Ion Ratio Lower Upper
101 100
103 65.5 50.8 76.2



#8

Diethyl Ether
Concen: 48.491 ug/l
RT: 3.71 min Scan# 304
Delta R.T. -0.00 min
Lab File: VD064255.D
Acq: 18 Nov 2019 10:29

Tgt Ion: 74 Resp: 140558
Ion Ratio Lower Upper
74 100
45 98.2 47.9 143.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.947 ug/l

RT: 4.08 min Scan# 368

Delta R.T. -0.01 min

Lab File: VD064255.D

Acq: 18 Nov 2019 10:29

Instrument :

MSVOA_D

ClientSampleId :

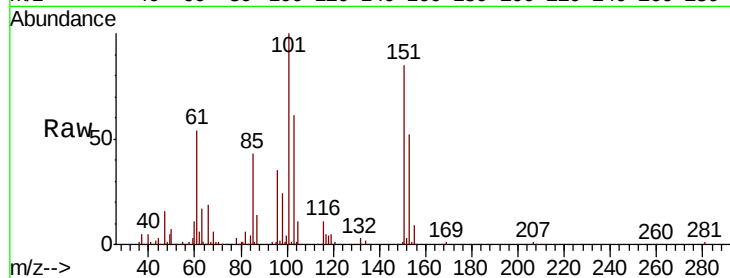
Tot Ion:101 Resp: 306974

Ion Ratio Lower Upper

101 100

85 45.0 34.4 51.6

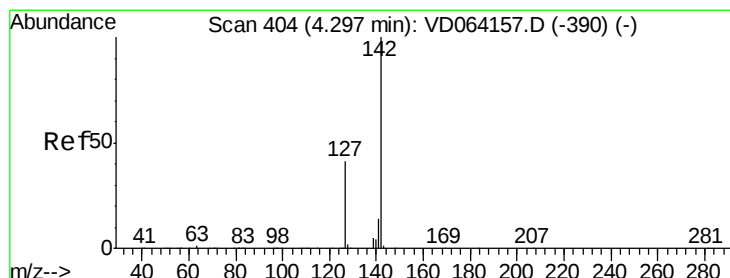
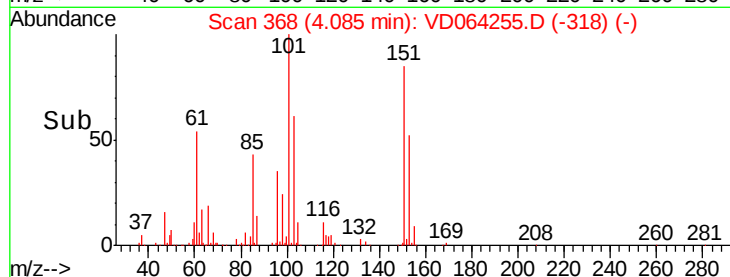
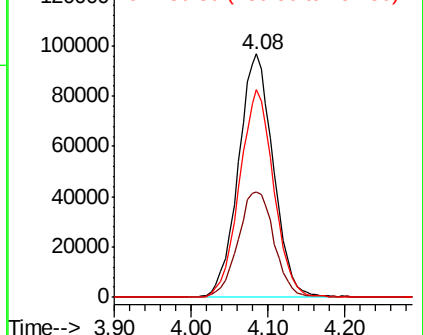
151 83.5 68.1 102.1



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: 48.133 ug/l

RT: 4.29 min Scan# 403

Delta R.T. -0.01 min

Lab File: VD064255.D

Acq: 18 Nov 2019 10:29

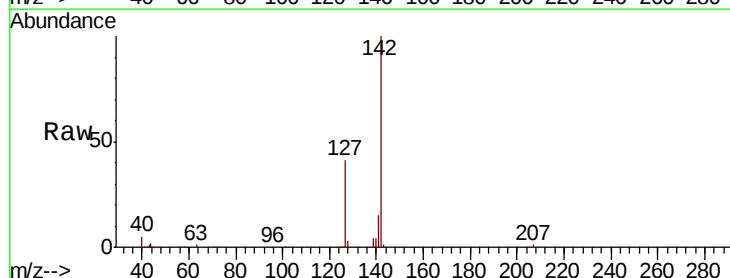
Tgt Ion:142 Resp: 330517

Ion Ratio Lower Upper

142 100

127 43.2 34.4 51.6

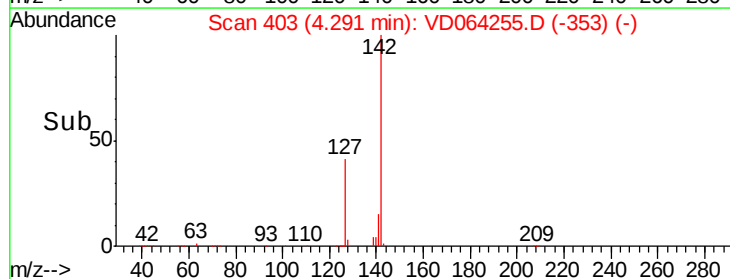
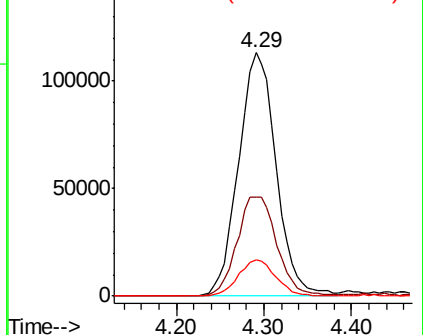
141 14.9 11.2 16.8

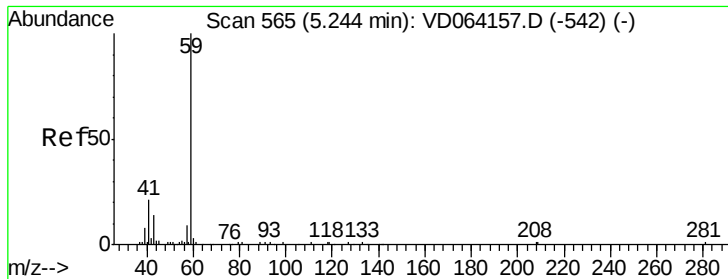


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



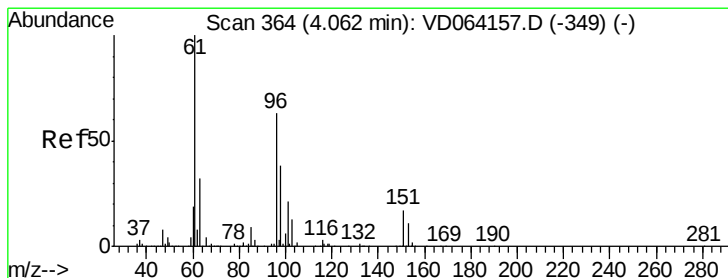
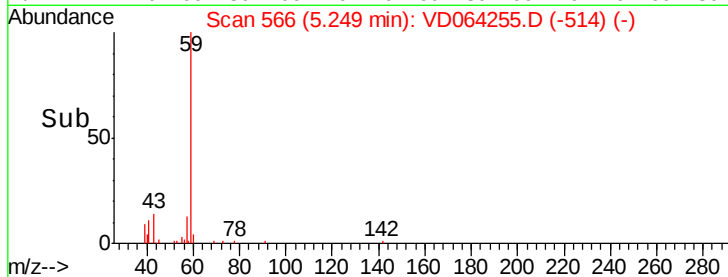
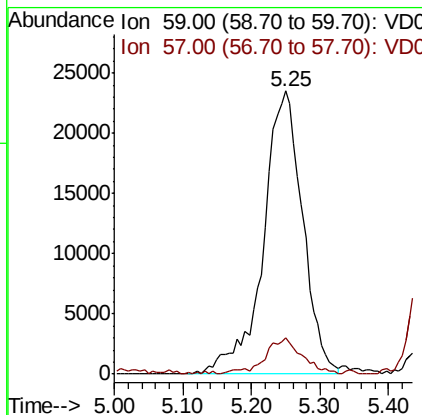
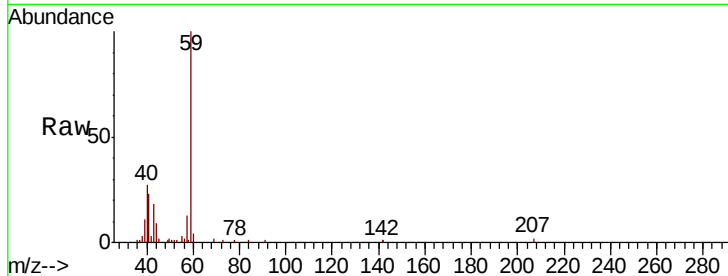


#11

Tert butyl alcohol
Concen: 238.800 ug/l
RT: 5.25 min Scan# 566
Delta R.T. 0.01 min
Lab File: VD064255.D
Acq: 18 Nov 2019 10:29

Instrument :
MSVOA_D
ClientSampled :

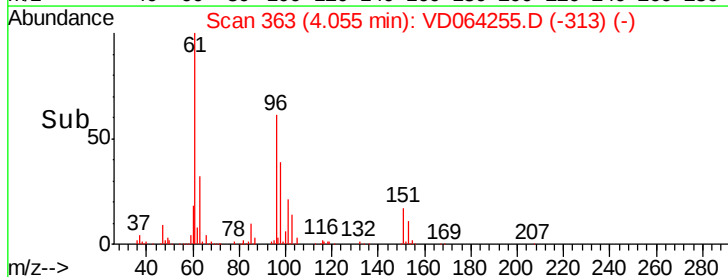
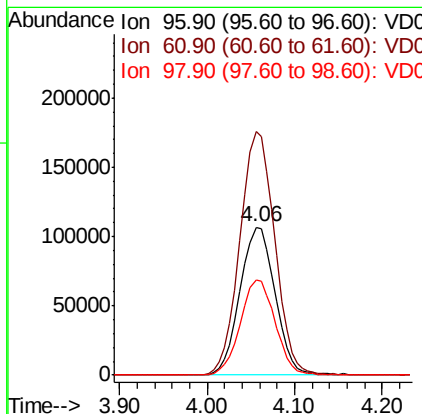
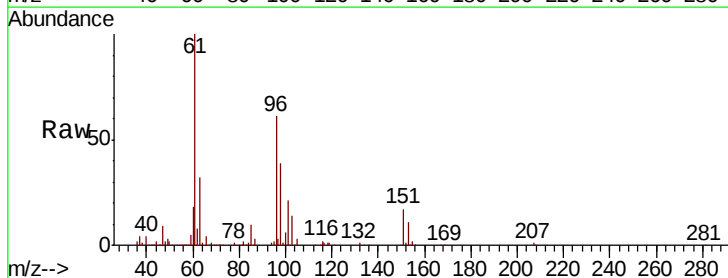
Tot Ion: 59 Resp: 93759
Ion Ratio Lower Upper
59 100
57 12.0 9.4 14.2

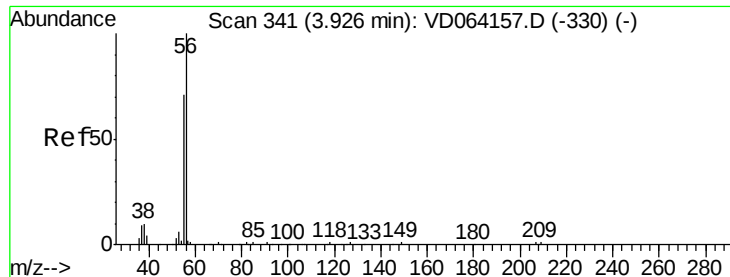


#12

1,1-Dichloroethene
Concen: 50.774 ug/l
RT: 4.06 min Scan# 363
Delta R.T. -0.01 min
Lab File: VD064255.D
Acq: 18 Nov 2019 10:29

Tgt Ion: 96 Resp: 291605
Ion Ratio Lower Upper
96 100
61 164.3 127.4 191.2
98 64.4 48.1 72.1





#13

Acrolein

Concen: 294.550 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.01 min

Lab File: VD064255.D

Acq: 18 Nov 2019 10:29

Instrument :

MSVOA_D

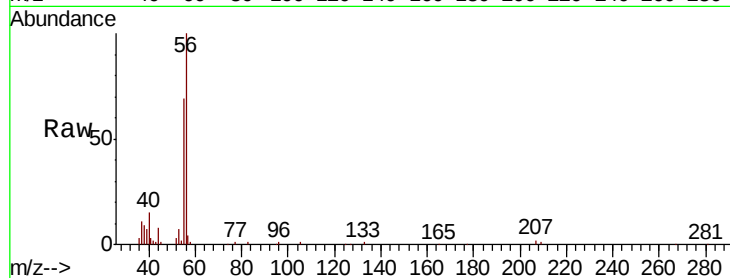
ClientSampleId :

Tot Ion: 56 Resp: 97835

Ion Ratio Lower Upper

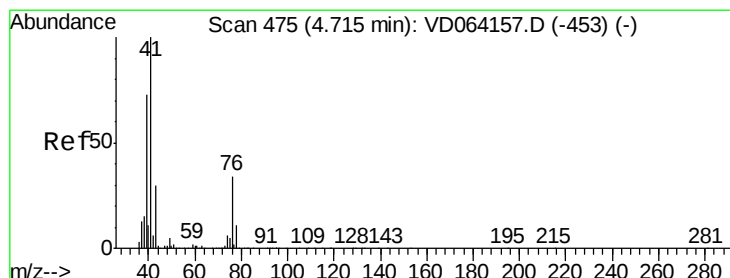
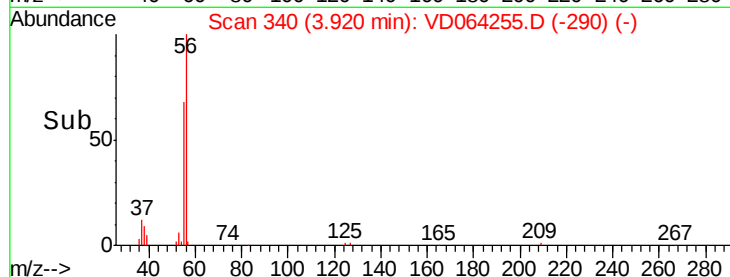
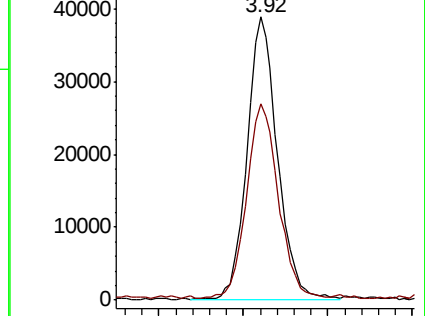
56 100

55 70.8 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: 48.532 ug/l

RT: 4.71 min Scan# 474

Delta R.T. -0.01 min

Lab File: VD064255.D

Acq: 18 Nov 2019 10:29

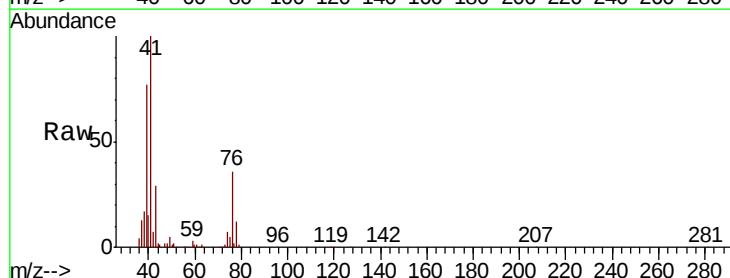
Tgt Ion: 41 Resp: 492821

Ion Ratio Lower Upper

41 100

39 75.8 57.5 86.3

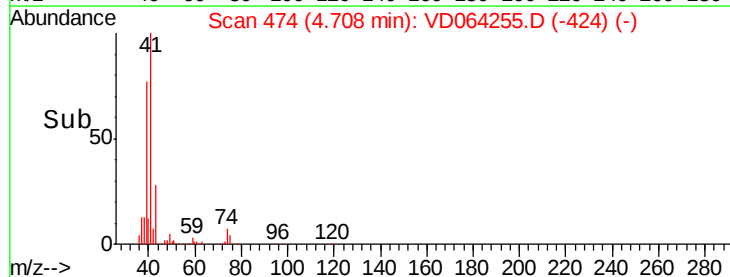
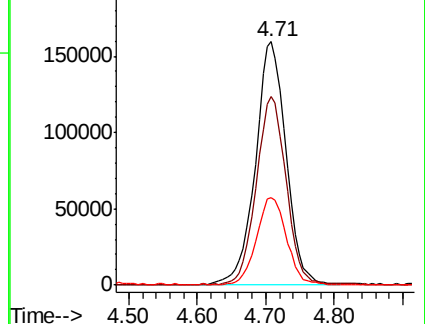
76 35.9 26.8 40.2

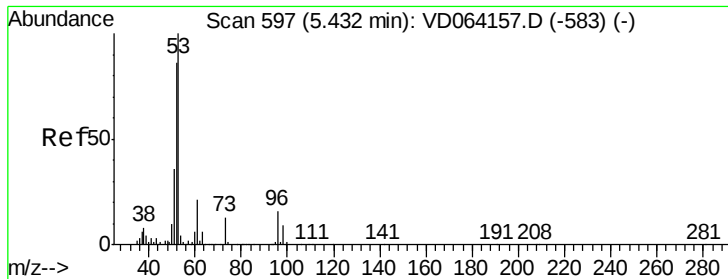


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC





#15

Acrylonitrile

Concen: 241.103 ug/l

RT: 5.43 min Scan# 596

Delta R.T. -0.01 min

Lab File: VD064255.D

Acq: 18 Nov 2019 10:29

Instrument :

MSVOA_D

ClientSampleId :

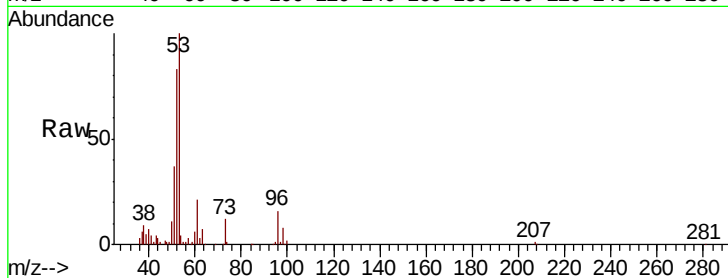
Tot Ion: 53 Resp: 297936

Ion Ratio Lower Upper

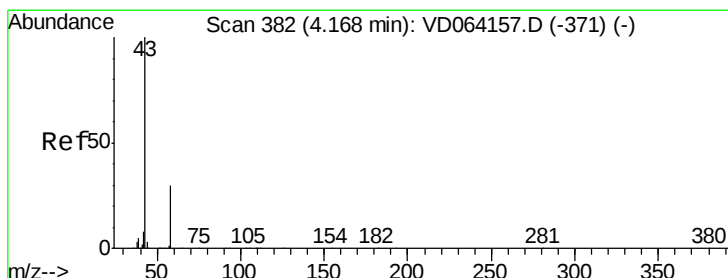
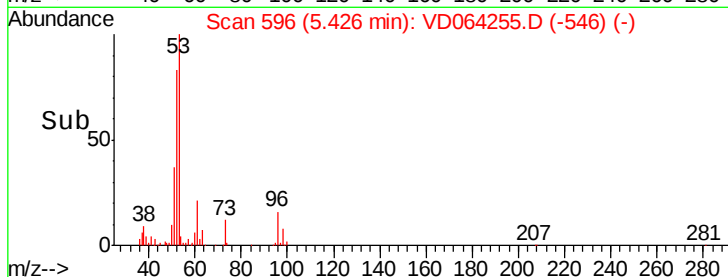
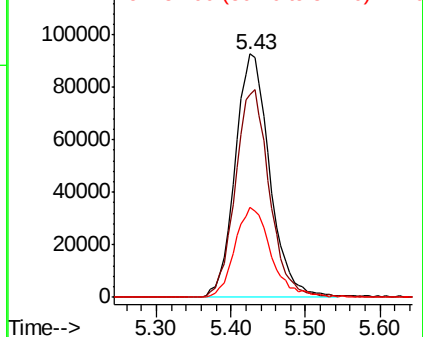
53 100

52 83.8 66.7 100.1

51 38.9 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: 234.058 ug/l

RT: 4.16 min Scan# 381

Delta R.T. -0.01 min

Lab File: VD064255.D

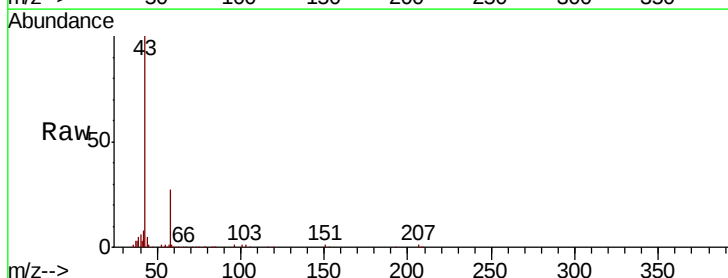
Acq: 18 Nov 2019 10:29

Tgt Ion: 43 Resp: 311694

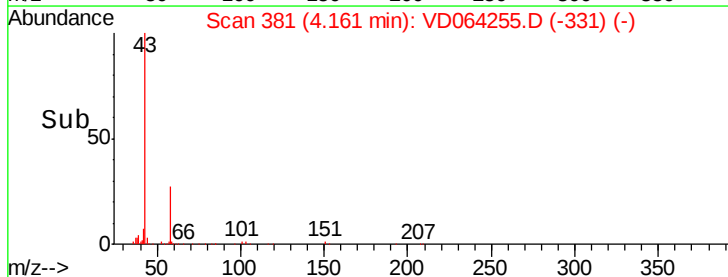
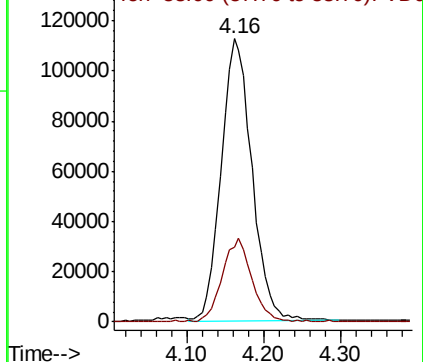
Ion Ratio Lower Upper

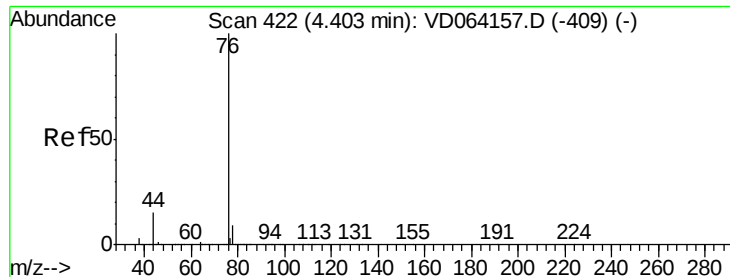
43 100

58 26.4 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: 49.328 ug/l

RT: 4.40 min Scan# 421

Delta R.T. -0.01 min

Lab File: VD064255.D

Acq: 18 Nov 2019 10:29

Instrument :

MSVOA_D

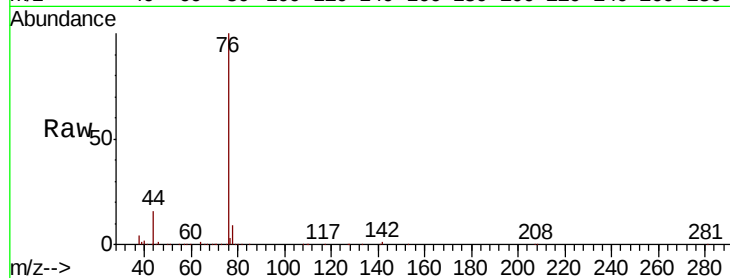
ClientSampleId :

Tot Ion: 76 Resp: 882269

Ion Ratio Lower Upper

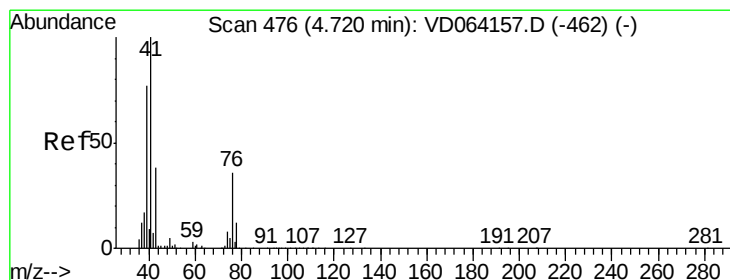
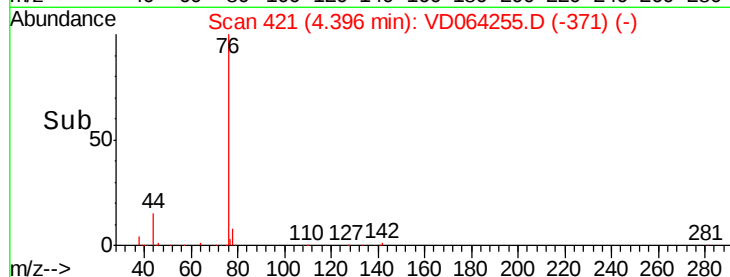
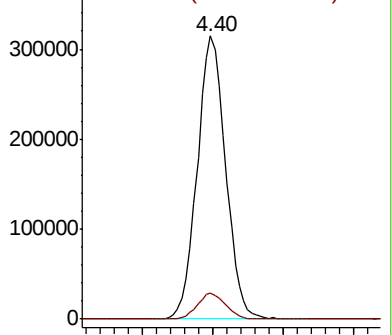
76 100

78 9.1 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: 46.465 ug/l

RT: 4.72 min Scan# 476

Delta R.T. -0.00 min

Lab File: VD064255.D

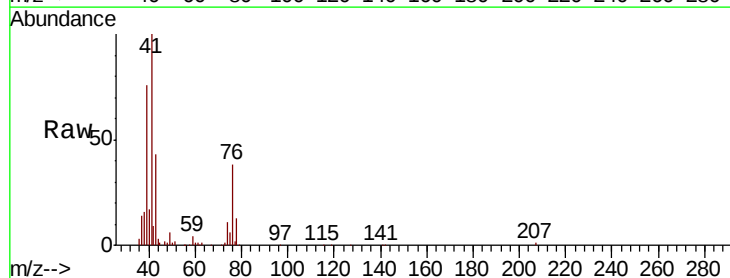
Acq: 18 Nov 2019 10:29

Tgt Ion: 43 Resp: 172826

Ion Ratio Lower Upper

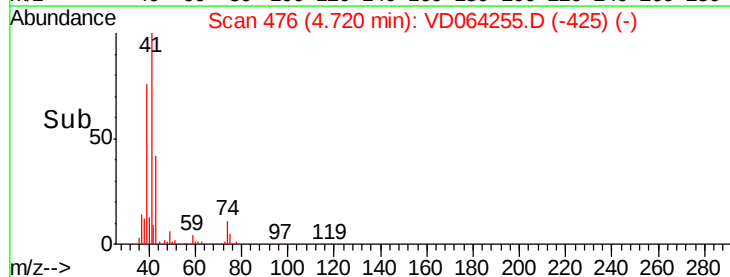
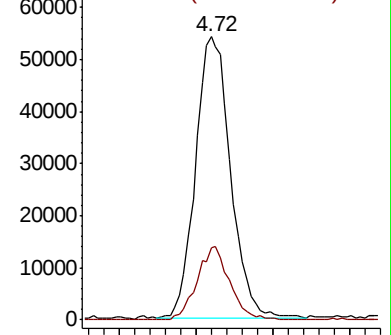
43 100

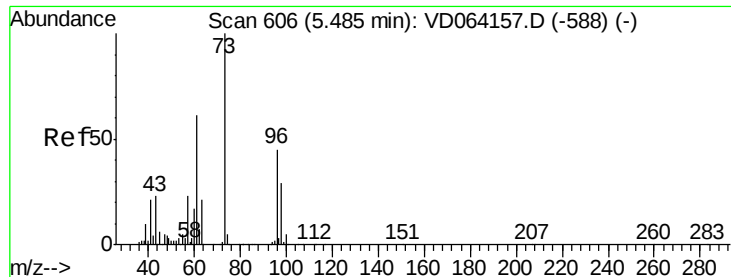
74 24.0 18.4 27.6



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC

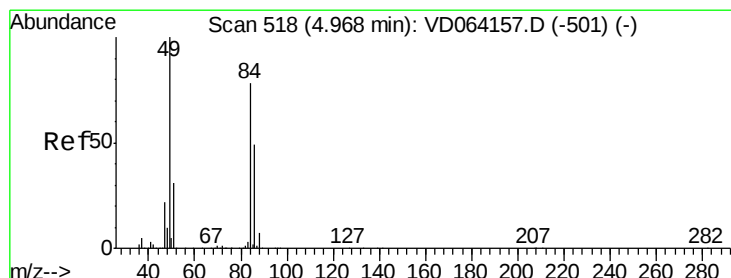
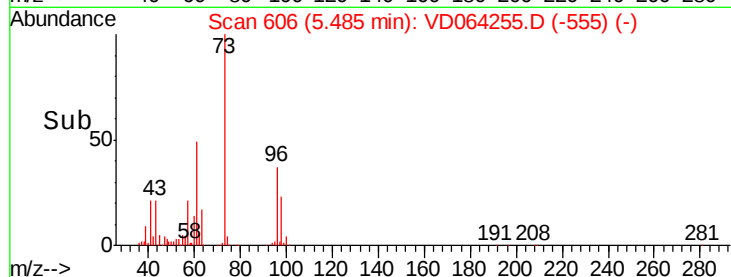
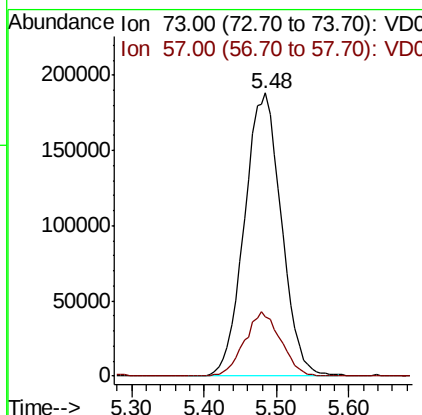
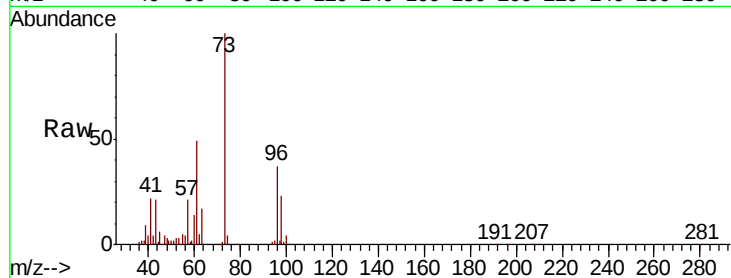




#19
Methyl tert-butyl Ether
Concen: 48.626 ug/l
RT: 5.48 min Scan# 606
Delta R.T. -0.00 min
Lab File: VD064255.D
Acq: 18 Nov 2019 10:29

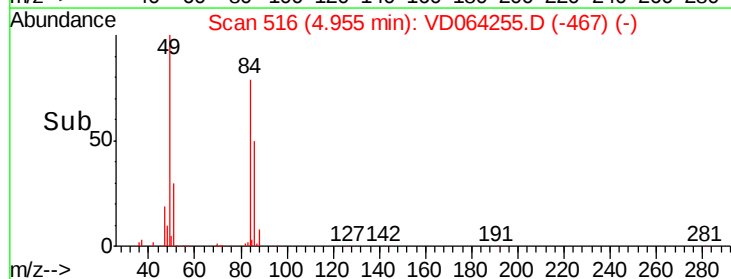
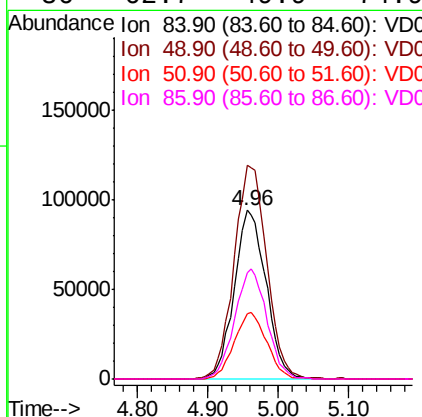
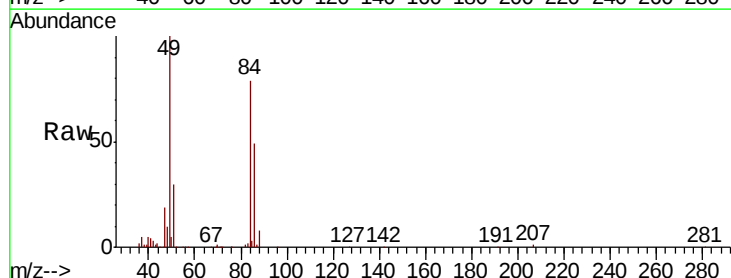
Instrument :
MSVOA_D
ClientSampled :

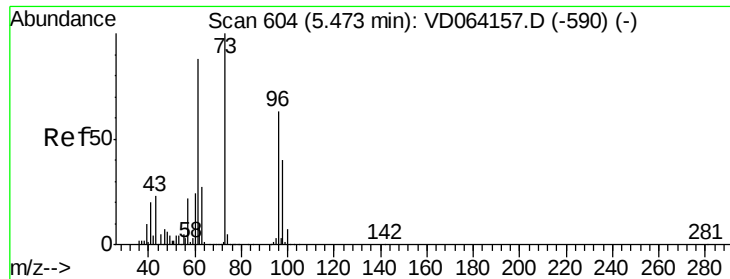
Tot Ion: 73 Resp: 666689
Ion Ratio Lower Upper
73 100
57 21.2 18.4 27.6



#20
Methylene Chloride
Concen: 43.963 ug/l
RT: 4.96 min Scan# 516
Delta R.T. -0.01 min
Lab File: VD064255.D
Acq: 18 Nov 2019 10:29

Tgt Ion: 84 Resp: 295730
Ion Ratio Lower Upper
84 100
49 126.7 102.1 153.1
51 38.5 32.2 48.2
86 62.7 49.9 74.9





#21

trans-1,2-Dichloroethene

Concen: 49.701 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD064255.D

Acq: 18 Nov 2019 10:29

Instrument :
MSVOA_D
ClientSampleId :

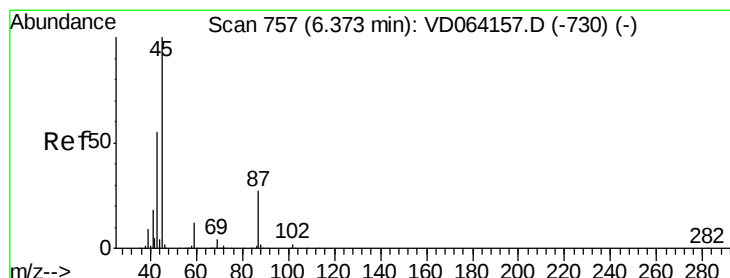
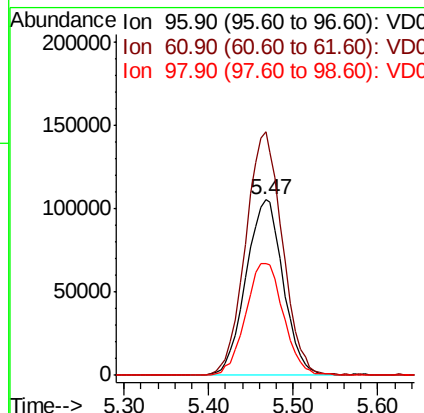
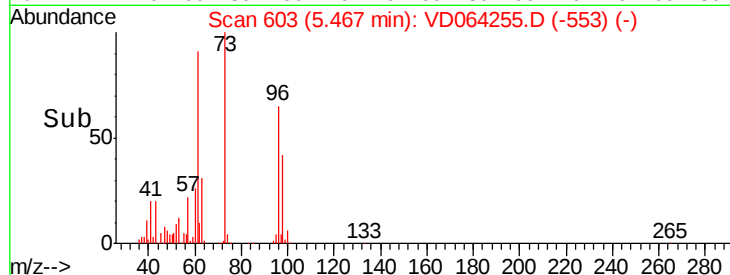
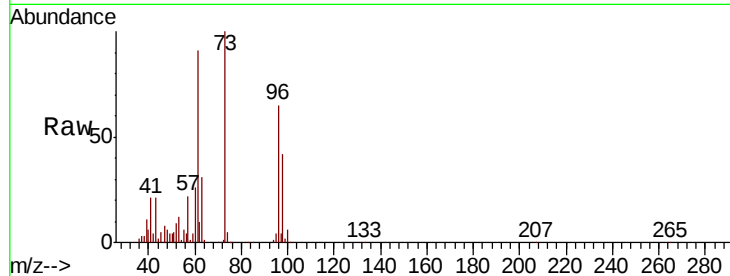
Tot Ion: 96 Resp: 323399

Ion Ratio Lower Upper

96 100

61 138.8 111.8 167.6

98 63.8 50.3 75.5



#22

Diisopropyl ether

Concen: 49.480 ug/l

RT: 6.37 min Scan# 756

Delta R.T. -0.01 min

Lab File: VD064255.D

Acq: 18 Nov 2019 10:29

Tgt Ion: 45 Resp: 932249

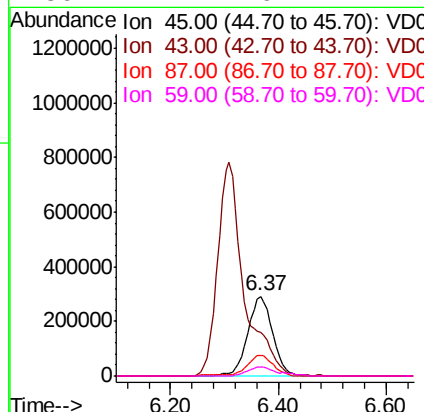
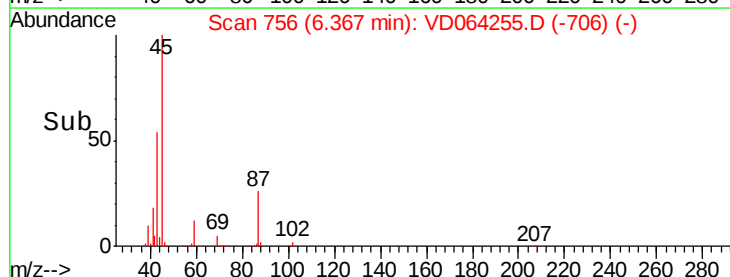
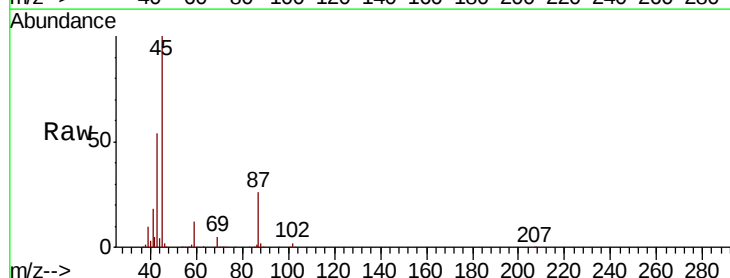
Ion Ratio Lower Upper

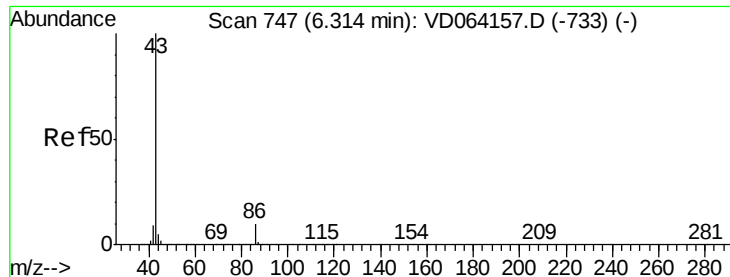
45 100

43 54.2 44.4 66.6

87 26.1 21.9 32.9

59 11.7 9.4 14.2





#23

Vinyl Acetate

Concen: 253.429 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.01 min

Lab File: VD064255.D

Acq: 18 Nov 2019 10:29

Instrument :

MSVOA_D

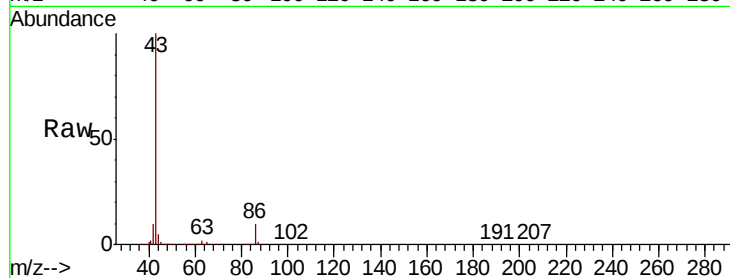
ClientSampleId :

Tot Ion: 43 Resp: 2661621

Ion Ratio Lower Upper

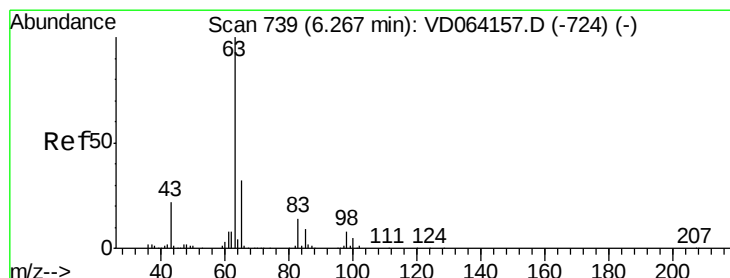
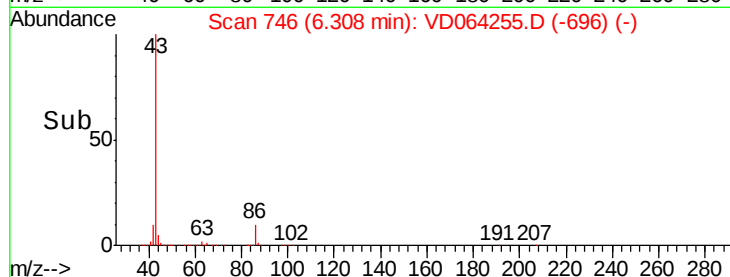
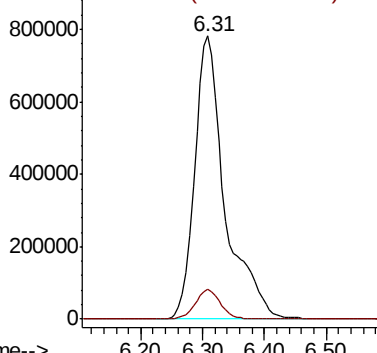
43 100

86 10.4 8.2 12.2



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 50.474 ug/l

RT: 6.27 min Scan# 739

Delta R.T. -0.00 min

Lab File: VD064255.D

Acq: 18 Nov 2019 10:29

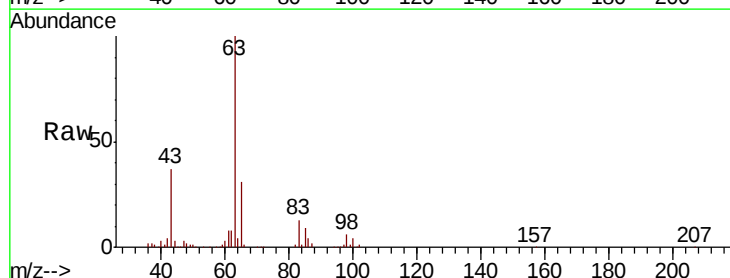
Tgt Ion: 63 Resp: 552170

Ion Ratio Lower Upper

63 100

98 6.1 3.8 11.4

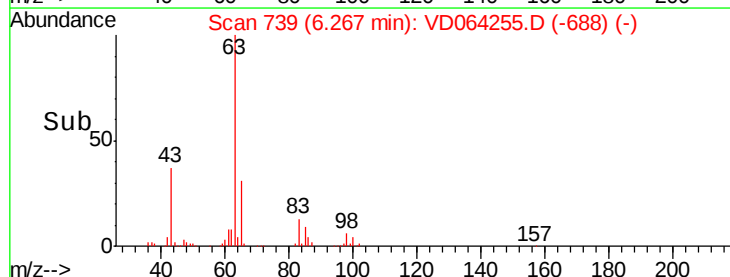
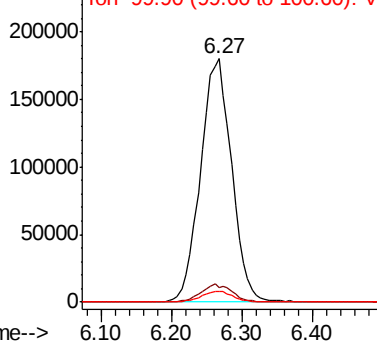
100 4.5 2.4 7.2

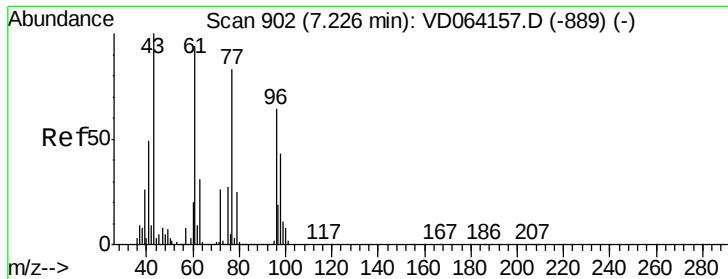


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 238.817 ug/l

RT: 7.22 min Scan# 901

Delta R.T. -0.01 min

Lab File: VD064255.D

Acq: 18 Nov 2019 10:29

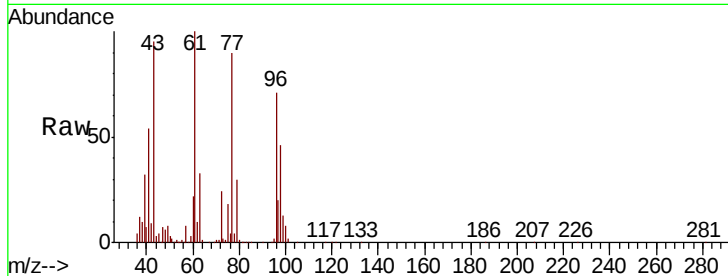
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 43 Resp: 410879

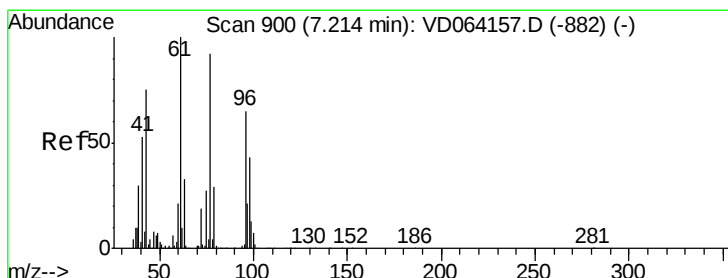
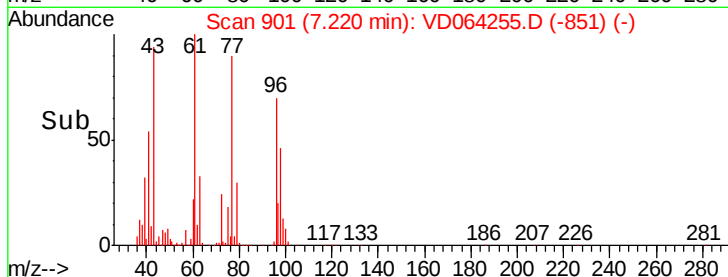
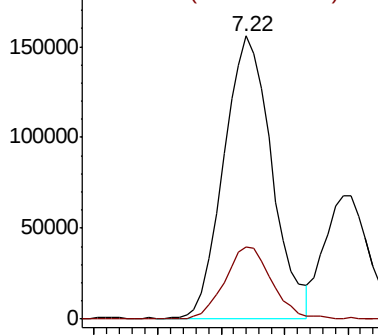
Ion Ratio Lower Upper

43 100

72 25.8 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: 49.031 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD064255.D

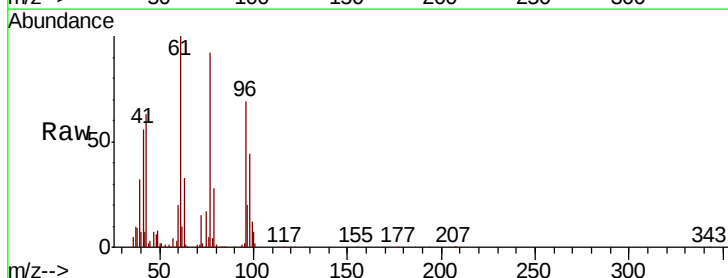
Acq: 18 Nov 2019 10:29

Tgt Ion: 77 Resp: 526022

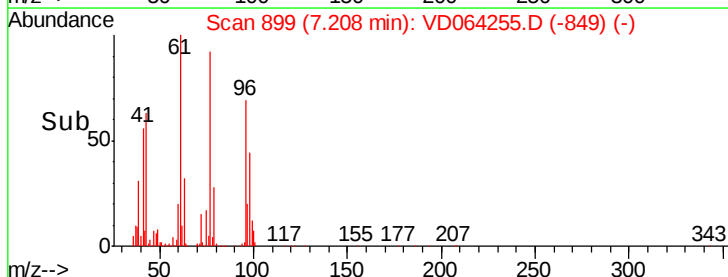
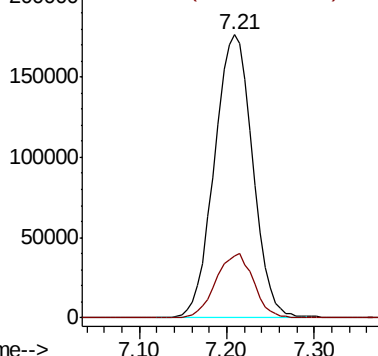
Ion Ratio Lower Upper

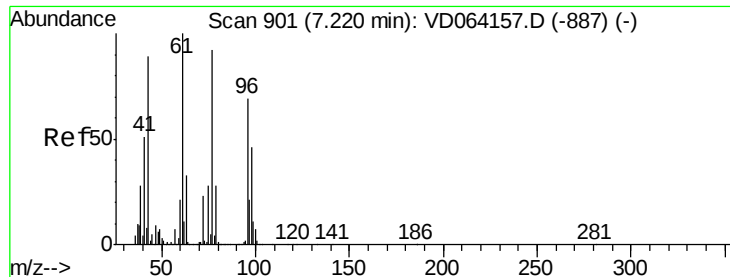
77 100

97 22.3 11.1 33.3



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



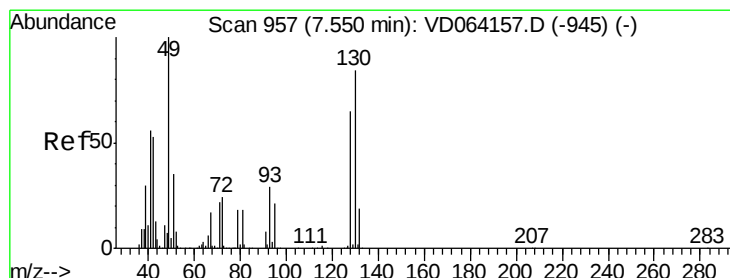
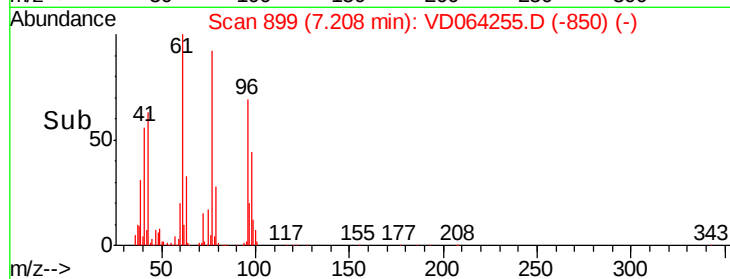
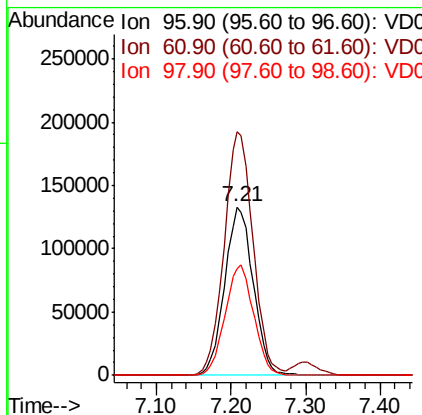
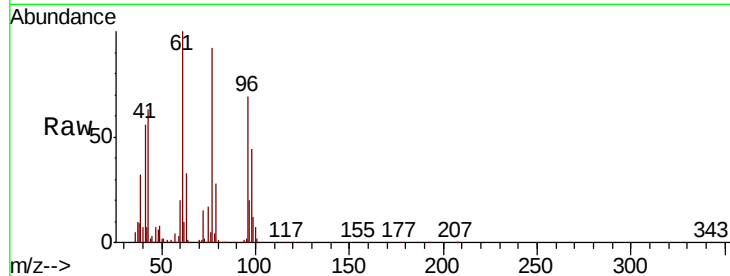


#27

cis-1,2-Dichloroethene
 Concen: 50.794 ug/l
 RT: 7.21 min Scan# 899
 Delta R.T. -0.01 min
 Lab File: VD064255.D
 Acq: 18 Nov 2019 10:29

Instrument :
 MSVOA_D
 ClientSampleID :

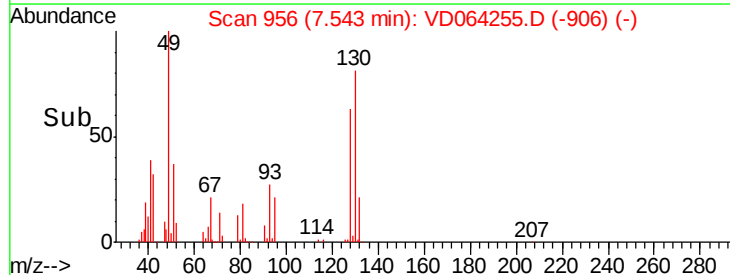
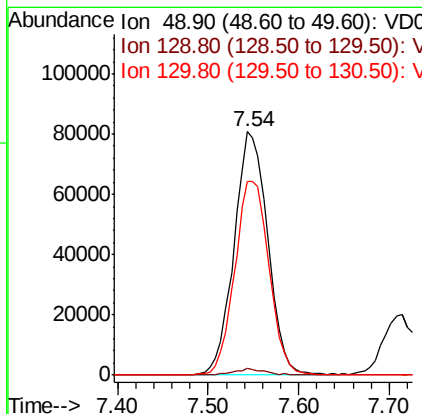
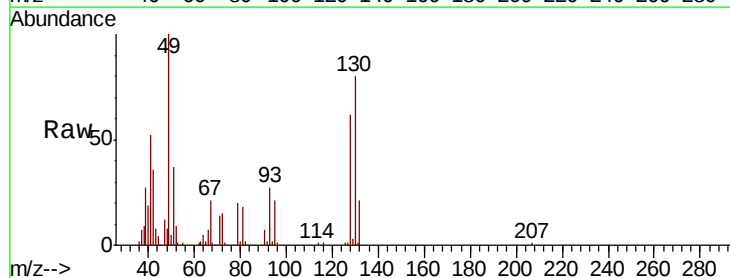
Tot Ion	Ratio	Lower	Upper
96	100		
61	146.0	0.0	301.4
98	65.4	0.0	133.2

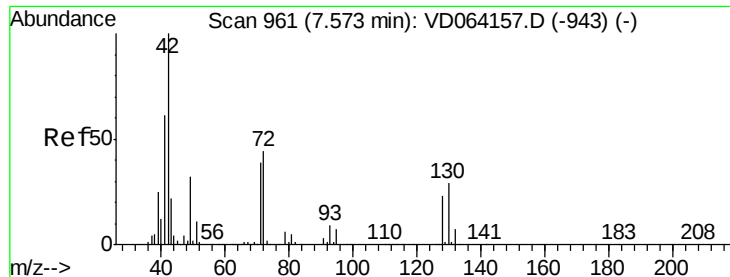


#28

Bromochloromethane
 Concen: 54.707 ug/l
 RT: 7.54 min Scan# 956
 Delta R.T. -0.01 min
 Lab File: VD064255.D
 Acq: 18 Nov 2019 10:29

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.3	0.0	4.4
130	81.2	66.8	100.2

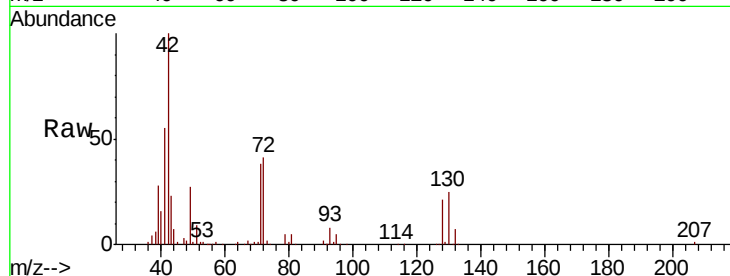




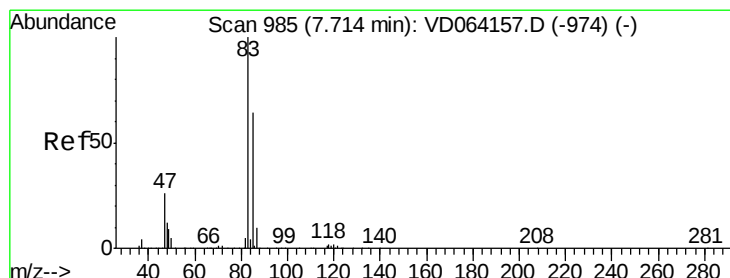
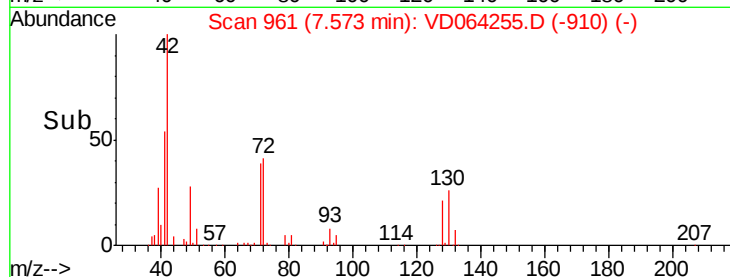
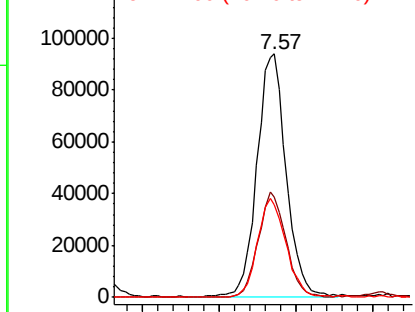
#29
Tetrahydrofuran
Concen: 241.868 ug/l
RT: 7.57 min Scan# 961
Delta R.T. -0.00 min
Lab File: VD064255.D
Acq: 18 Nov 2019 10:29

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 42 Resp: 250019
Ion Ratio Lower Upper
42 100
72 41.0 33.4 50.2
71 39.6 31.0 46.4

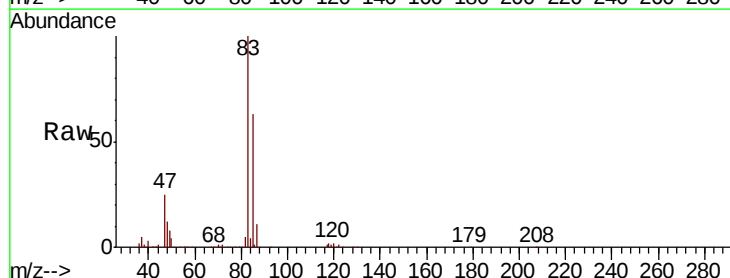


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

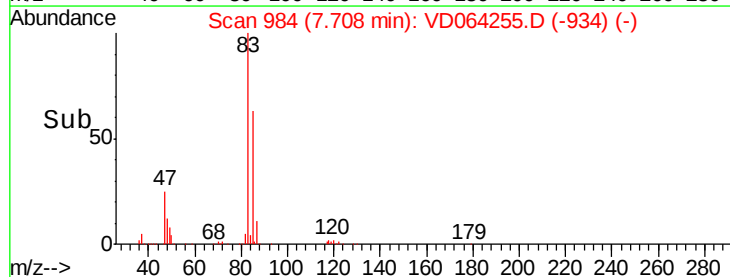
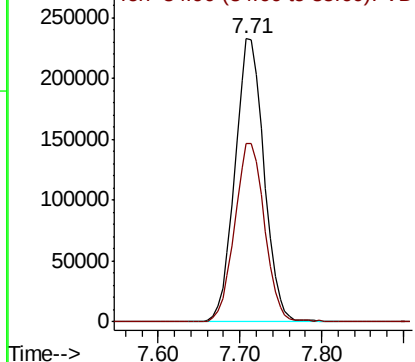


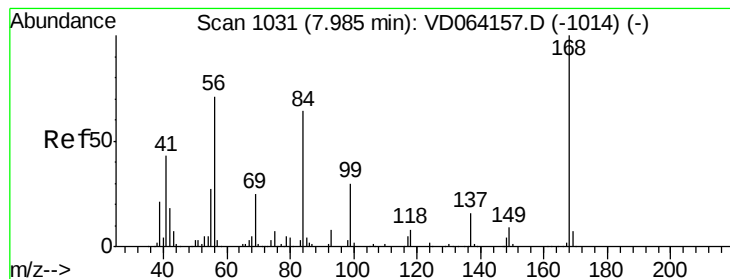
#30
Chloroform
Concen: 51.551 ug/l
RT: 7.71 min Scan# 984
Delta R.T. -0.01 min
Lab File: VD064255.D
Acq: 18 Nov 2019 10:29

Tgt Ion: 83 Resp: 576865
Ion Ratio Lower Upper
83 100
85 63.0 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: 47.222 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD064255.D

Acq: 18 Nov 2019 10:29

Instrument :

MSVOA_D

ClientSampleId :

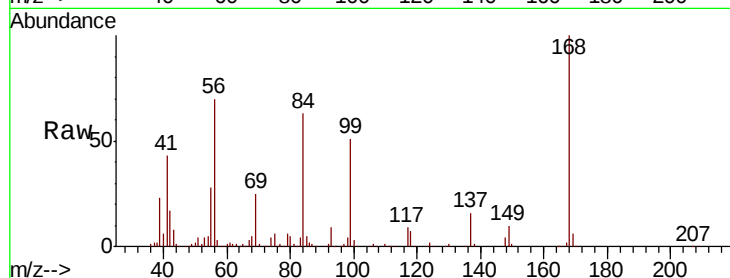
Tot Ion: 56 Resp: 520991

Ion Ratio Lower Upper

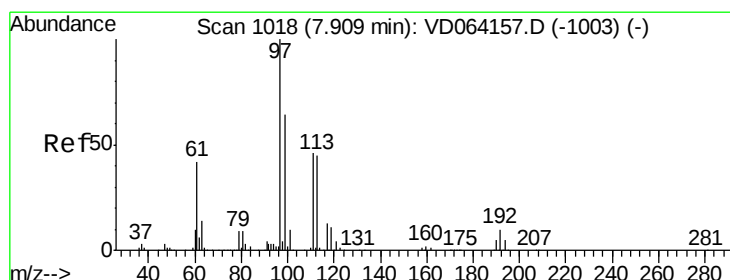
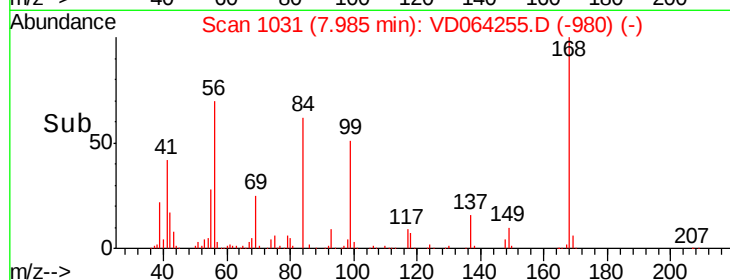
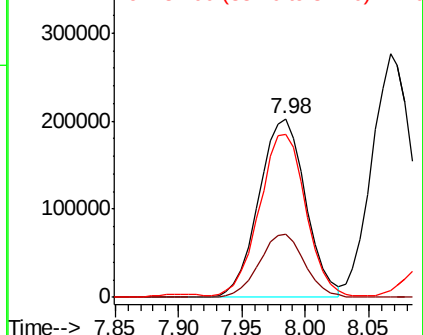
56 100

69 35.4 28.2 42.4

84 89.3 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: 50.657 ug/l

RT: 7.90 min Scan# 1017

Delta R.T. -0.01 min

Lab File: VD064255.D

Acq: 18 Nov 2019 10:29

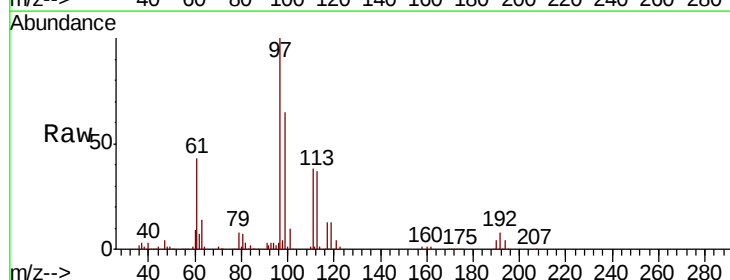
Tgt Ion: 97 Resp: 542780

Ion Ratio Lower Upper

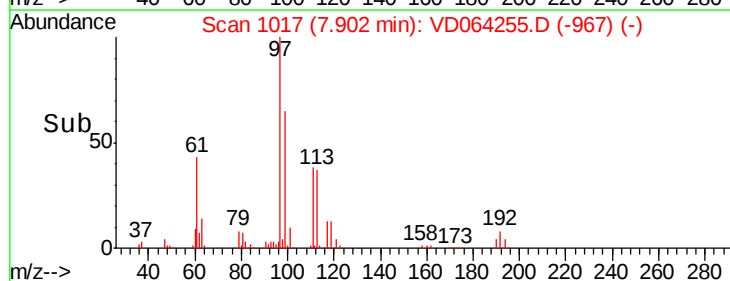
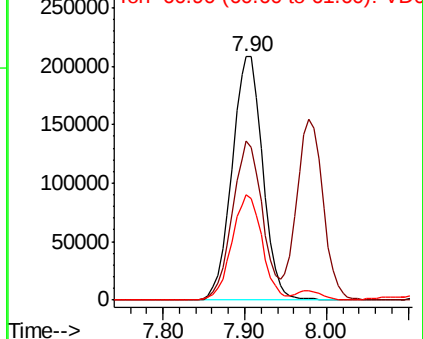
97 100

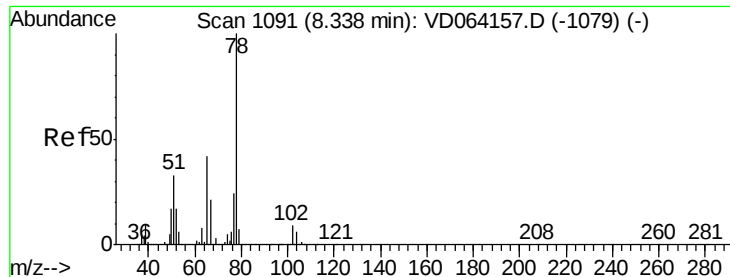
99 63.9 51.6 77.4

61 42.8 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: 50.567 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. -0.00 min

Lab File: VD064255.D

Acq: 18 Nov 2019 10:29

Instrument :

MSVOA_D

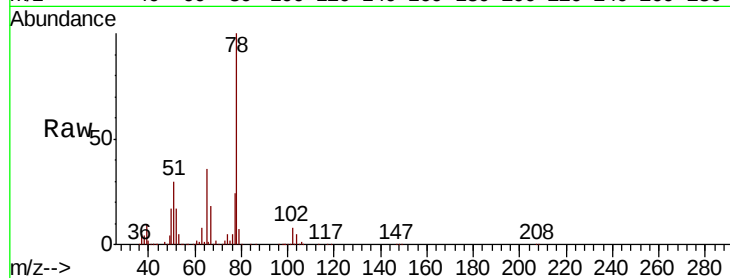
ClientSampled :

Tot Ion: 65 Resp: 284252

Ion Ratio Lower Upper

65 100

67 51.5 0.0 104.4



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC

8.34

150000

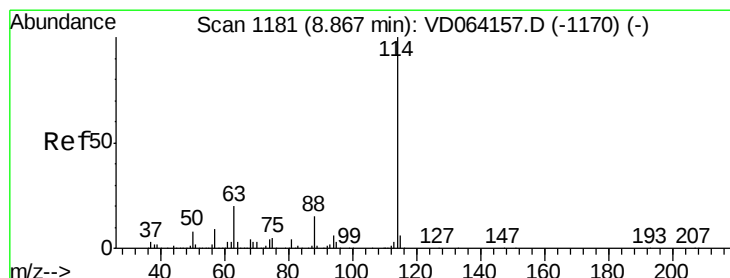
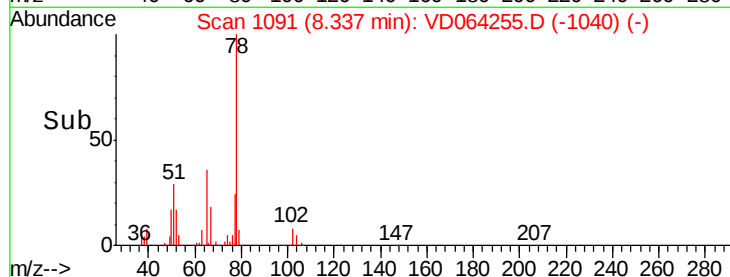
100000

50000

0

Time-->

8.25 8.30 8.35 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: VD064255.D

Acq: 18 Nov 2019 10:29

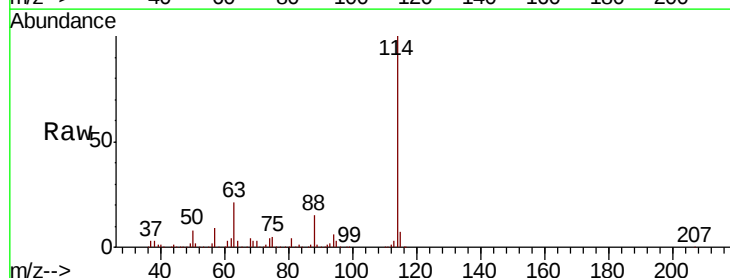
Tgt Ion: 114 Resp: 960664

Ion Ratio Lower Upper

114 100

63 20.7 0.0 40.0

88 15.4 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

8.87

600000

500000

400000

300000

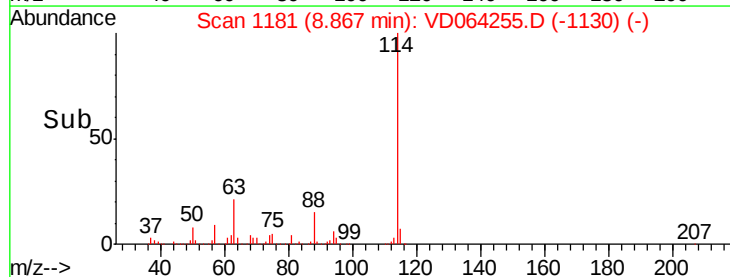
200000

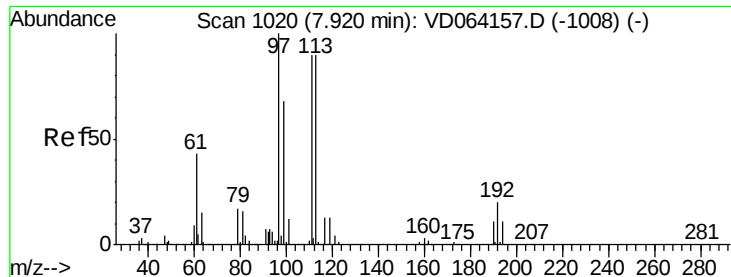
100000

0

Time-->

8.75 8.80 8.85 8.90 8.95

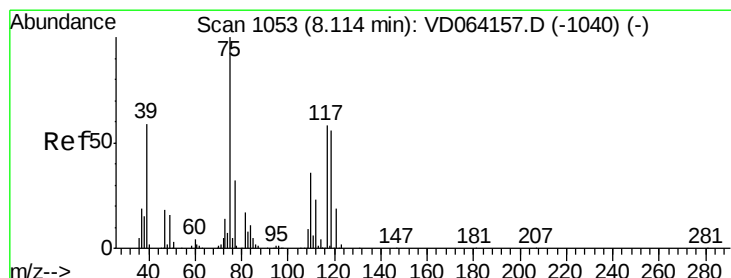
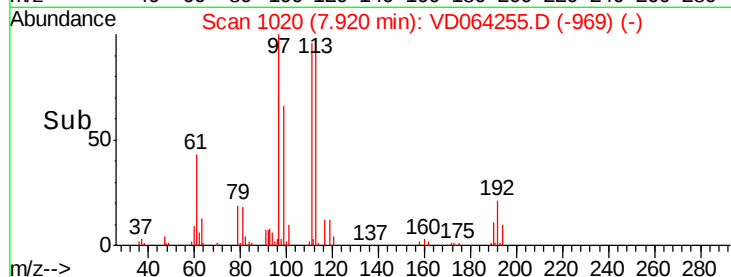
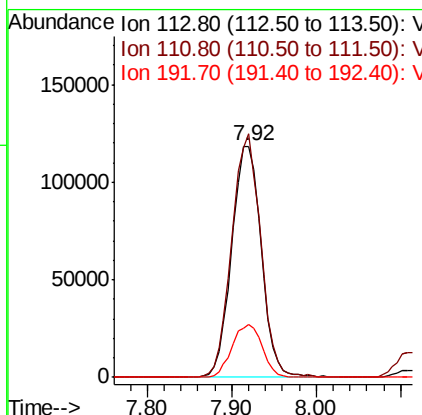
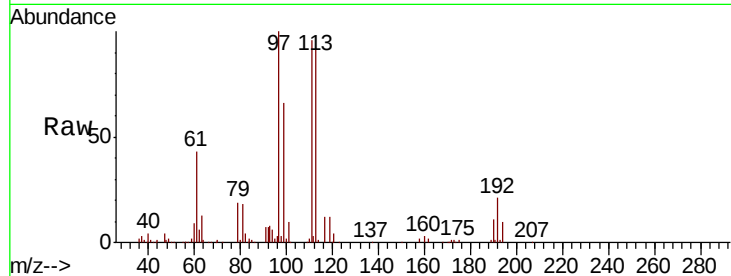




#35
 Dibromofluoromethane
 Concen: 52.004 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. -0.00 min
 Lab File: VD064255.D
 Acq: 18 Nov 2019 10:29

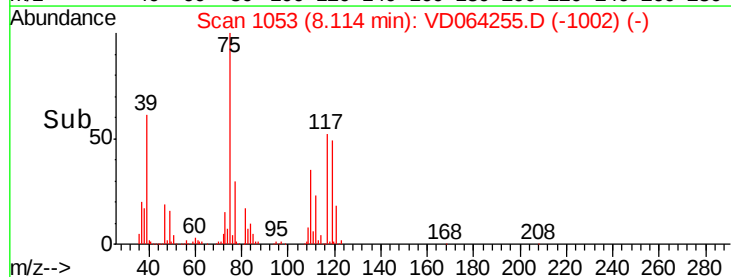
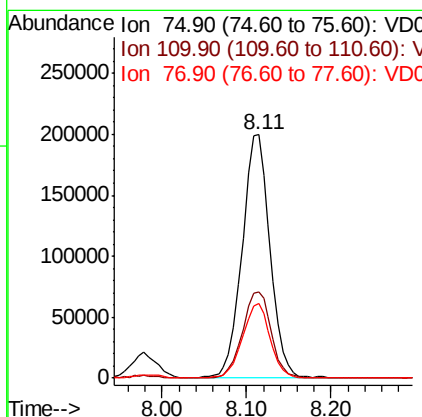
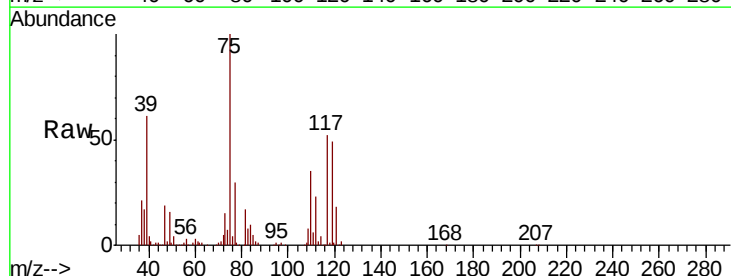
Instrument :
 MSVOA_D
 ClientSampleId :

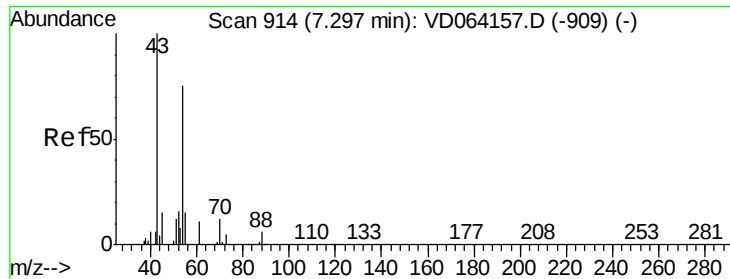
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.5	81.5	122.3
192	23.3	18.8	28.2



#36
 1,1-Dichloropropene
 Concen: 51.528 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. -0.00 min
 Lab File: VD064255.D
 Acq: 18 Nov 2019 10:29

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.4	18.3	54.9
77	30.7	25.0	37.6

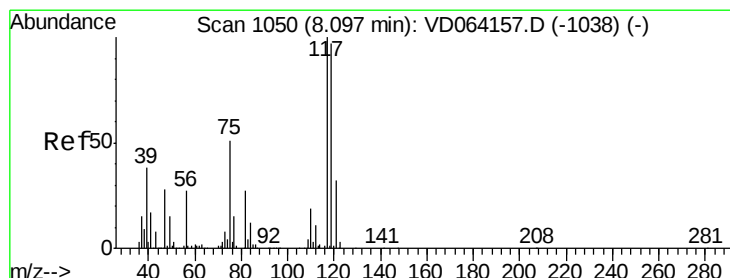
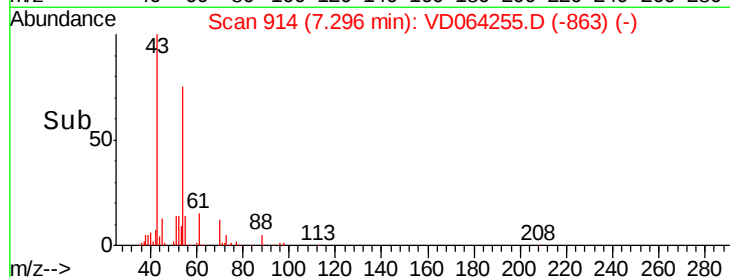
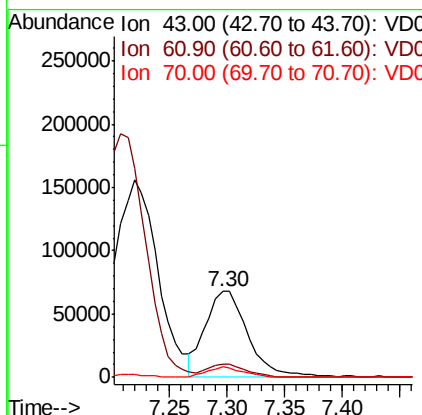
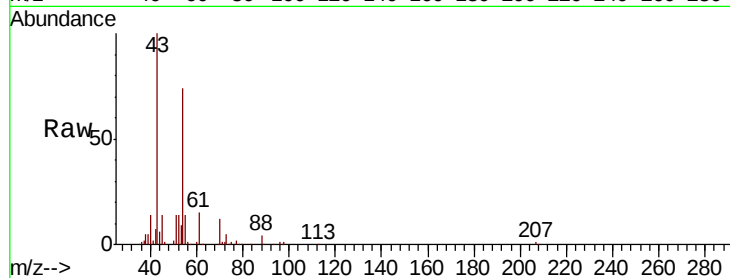




#37
Ethyl Acetate
Concen: 45.947 ug/l
RT: 7.30 min Scan# 914
Delta R.T. -0.00 min
Lab File: VD064255.D
Acq: 18 Nov 2019 10:29

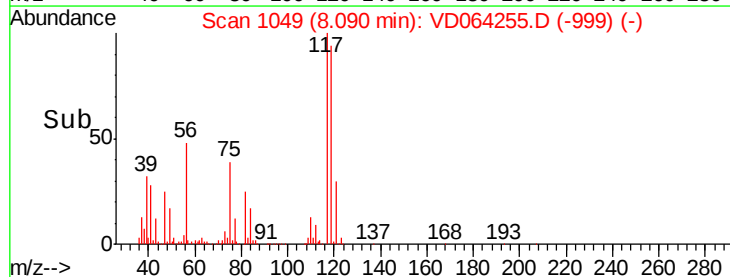
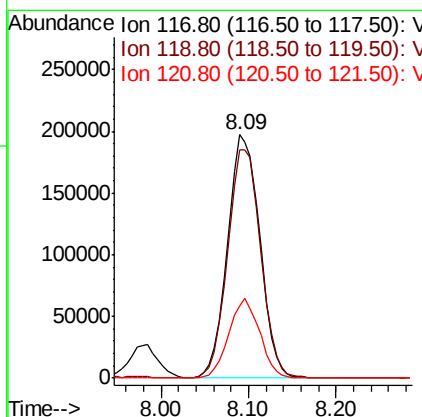
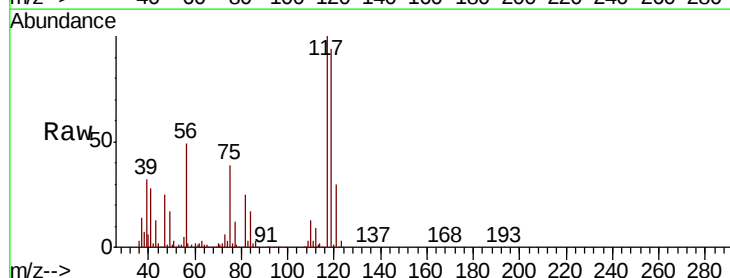
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 43 Resp: 171738
Ion Ratio Lower Upper
43 100
61 13.5 10.2 15.2
70 11.1 8.5 12.7



#38
Carbon Tetrachloride
Concen: 52.153 ug/l
RT: 8.09 min Scan# 1049
Delta R.T. -0.01 min
Lab File: VD064255.D
Acq: 18 Nov 2019 10:29

Tgt Ion: 117 Resp: 494773
Ion Ratio Lower Upper
117 100
119 93.7 77.2 115.8
121 29.8 25.5 38.3

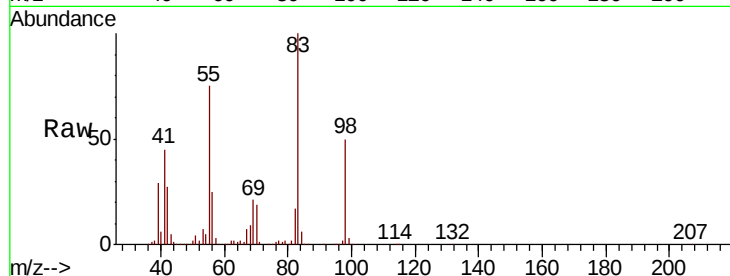




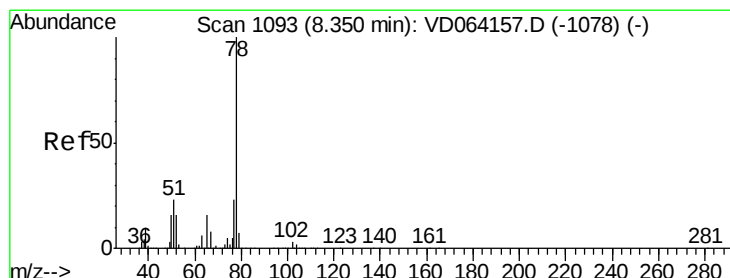
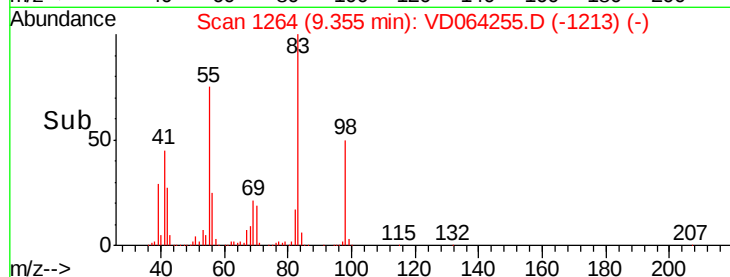
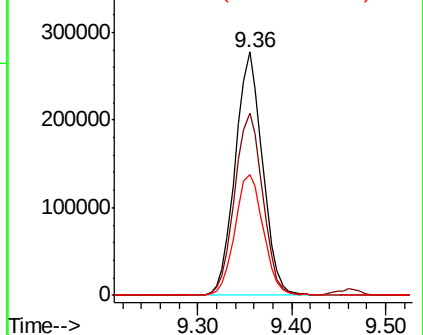
#39
Methvlcvclohexane
Concen: 50.014 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VD064255.D
Acq: 18 Nov 2019 10:29

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 83 Resp: 561098
Ion Ratio Lower Upper
83 100
55 74.9 61.7 92.5
98 49.8 38.6 58.0

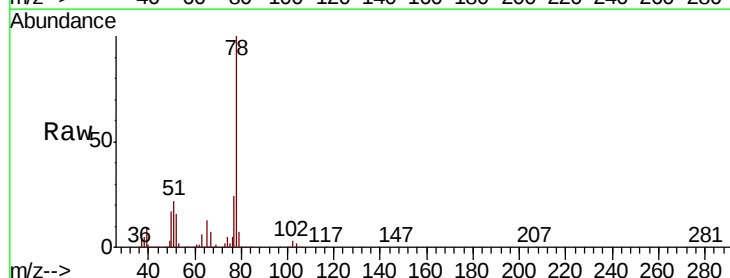


Abundance Ion 83.00 (82.70 to 83.70): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.00 (97.70 to 98.70): VDC

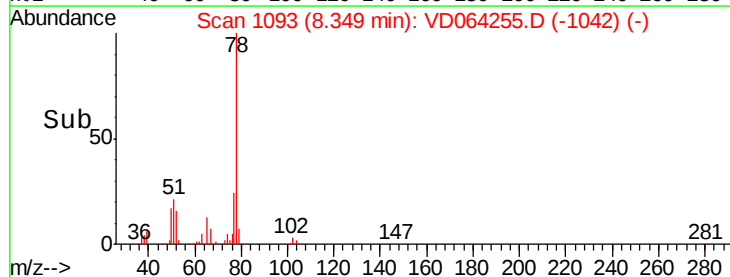
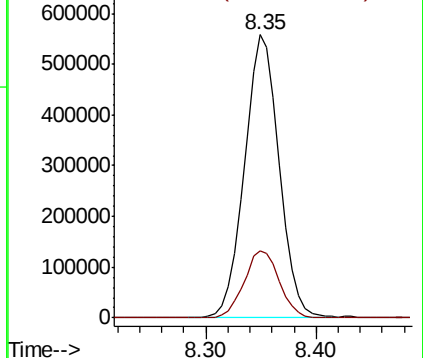


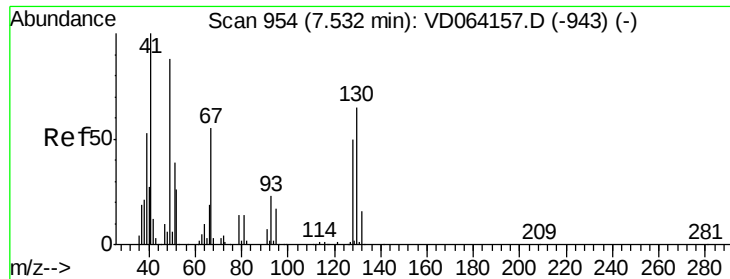
#40
Benzene
Concen: 50.802 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. -0.00 min
Lab File: VD064255.D
Acq: 18 Nov 2019 10:29

Tgt Ion: 78 Resp: 1230982
Ion Ratio Lower Upper
78 100
77 23.8 18.6 28.0



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

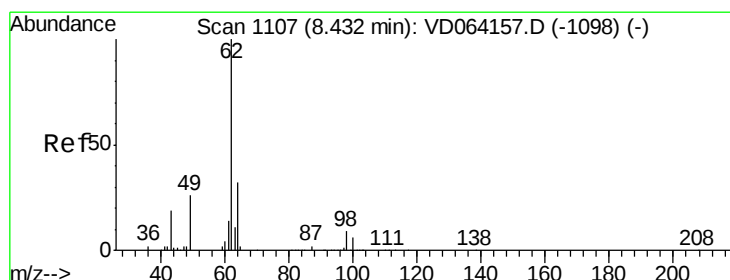
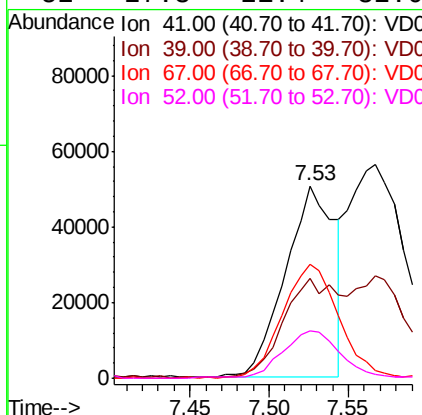
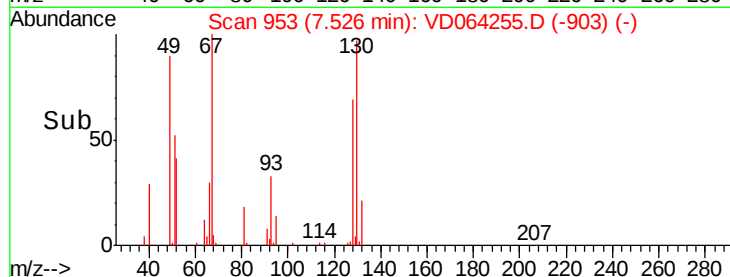
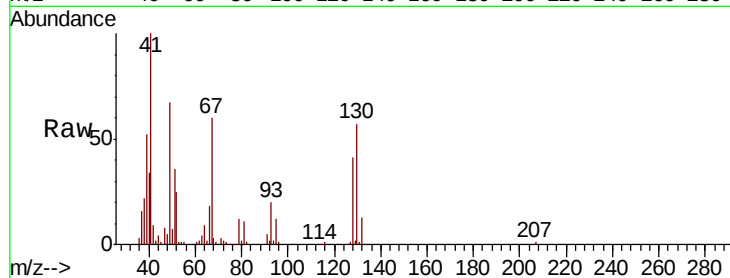




#41
Methacrylonitrile
Concen: 46.942 ug/l
RT: 7.53 min Scan# 953
Delta R.T. -0.01 min
Lab File: VD064255.D
Acq: 18 Nov 2019 10:29

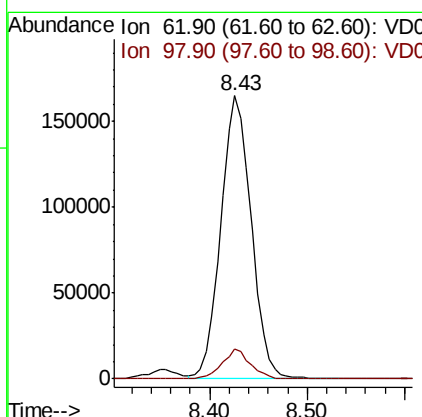
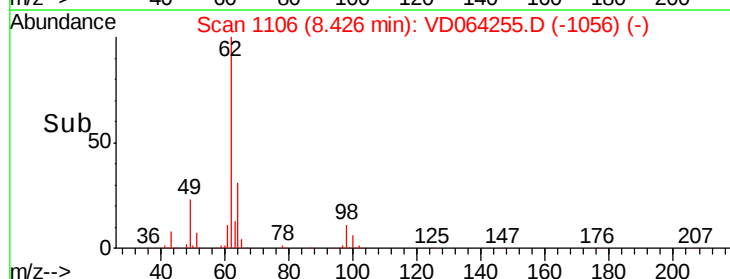
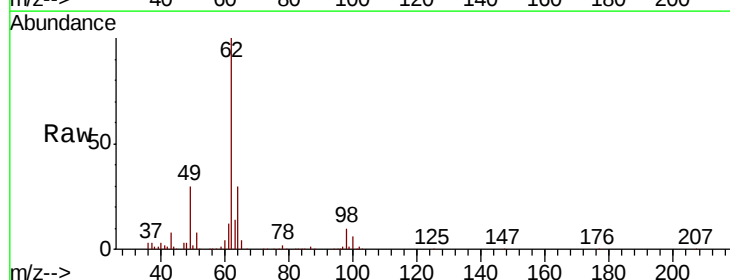
Instrument :
MSVOA_D
ClientSampleId :

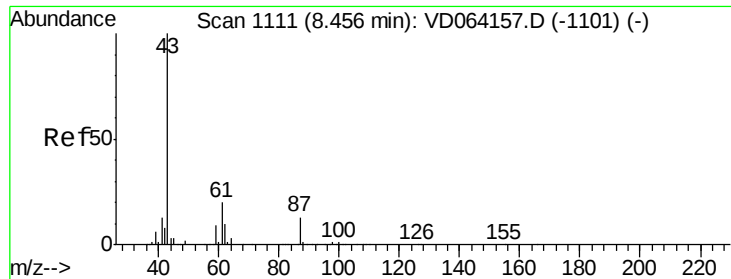
Tot Ion:	41	Resp:	110278
Ion	Ratio	Lower	Upper
41	100		
39	60.8	49.4	74.2
67	68.0	49.6	74.4
52	27.3	21.4	32.0



#42
1,2-Dichloroethane
Concen: 48.758 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. -0.01 min
Lab File: VD064255.D
Acq: 18 Nov 2019 10:29

Tgt Ion:	62	Resp:	354841
Ion	Ratio	Lower	Upper
62	100		
98	9.7	0.0	19.0

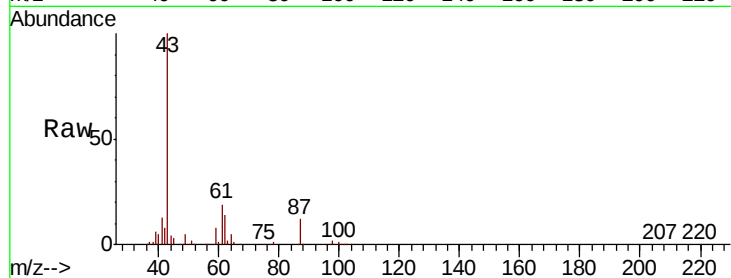




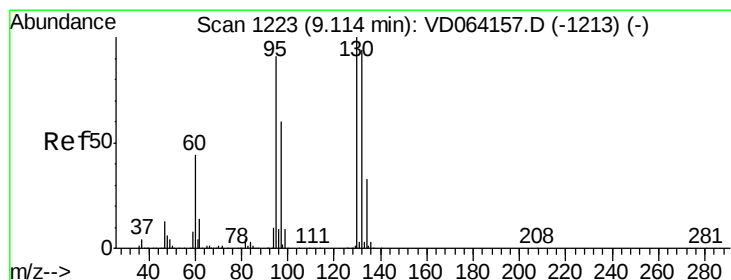
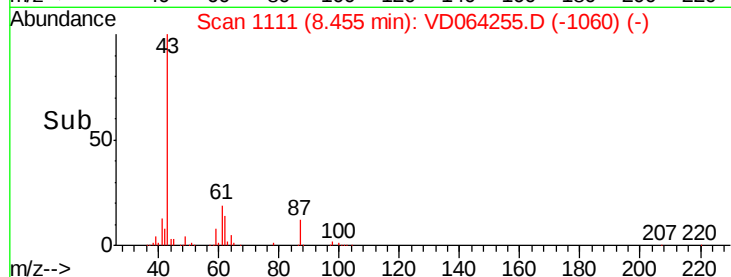
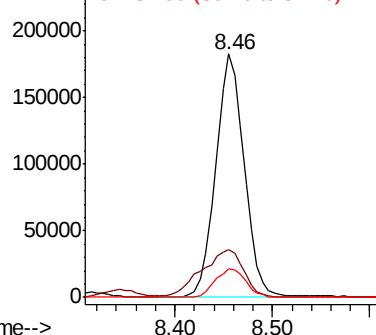
#43
Isopropyl Acetate
Concen: 48.028 ug/l
RT: 8.46 min Scan# 1111
Delta R.T. -0.00 min
Lab File: VD064255.D
Acq: 18 Nov 2019 10:29

Instrument :
MSVOA_D
ClientSampleID :

Tot Ion: 43 Resp: 369876
Ion Ratio Lower Upper
43 100
61 29.0 22.9 34.3
87 12.7 10.2 15.2

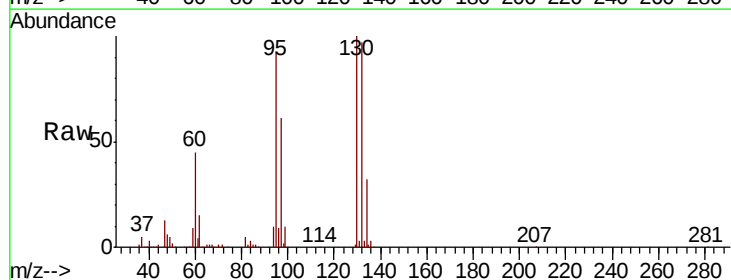


Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 61.00 (60.70 to 61.70): VDC
Ion 87.00 (86.70 to 87.70): VDC

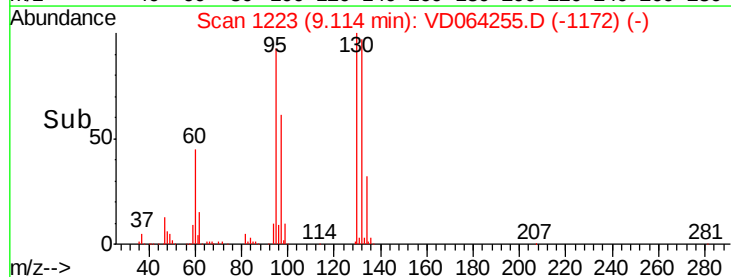
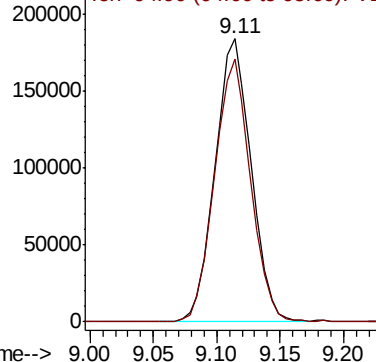


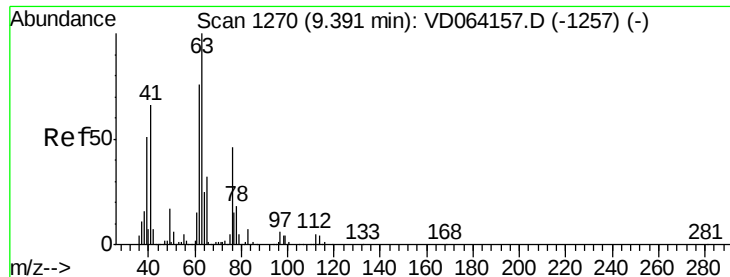
#44
Trichloroethene
Concen: 50.092 ug/l
RT: 9.11 min Scan# 1223
Delta R.T. -0.00 min
Lab File: VD064255.D
Acq: 18 Nov 2019 10:29

Tgt Ion: 130 Resp: 364301
Ion Ratio Lower Upper
130 100
95 92.9 0.0 181.6



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





#45

1,2-Dichloropropane

Concen: 50.616 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VD064255.D

Acq: 18 Nov 2019 10:29

Instrument :

MSVOA_D

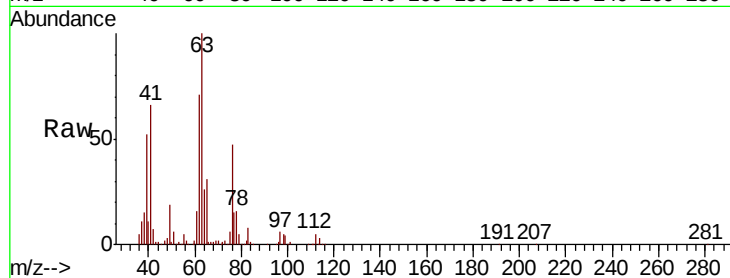
ClientSampleId :

Tot Ion: 63 Resp: 298524

Ion Ratio Lower Upper

63 100

65 30.9 25.7 38.5



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC

9.39

150000

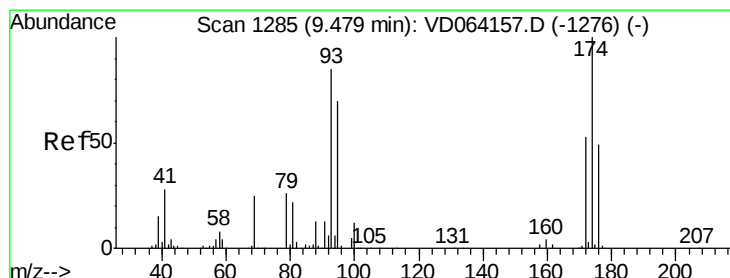
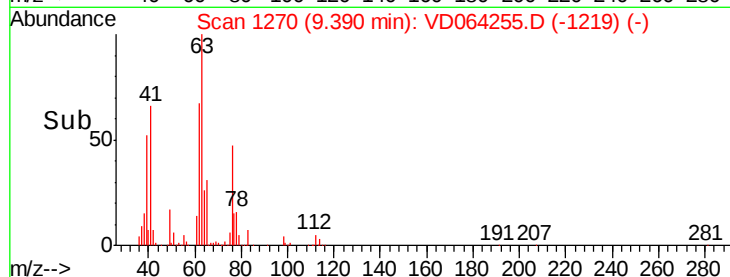
100000

50000

0

Time-->

9.30 9.40 9.50



#46

Dibromomethane

Concen: 48.829 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. -0.00 min

Lab File: VD064255.D

Acq: 18 Nov 2019 10:29

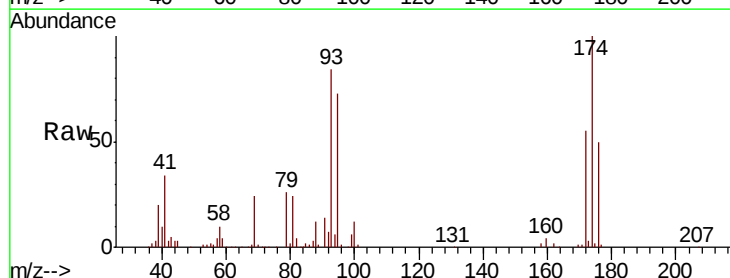
Tgt Ion: 93 Resp: 154176

Ion Ratio Lower Upper

93 100

95 84.4 65.5 98.3

174 117.7 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): VDC

120000

100000

80000

60000

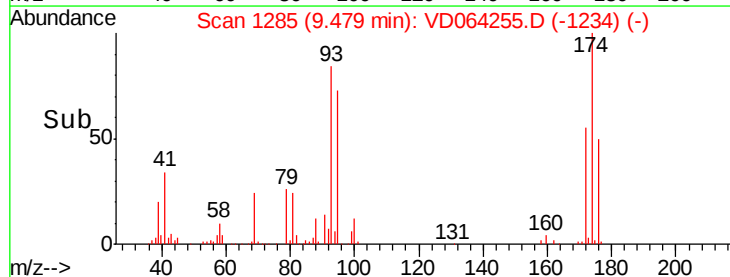
40000

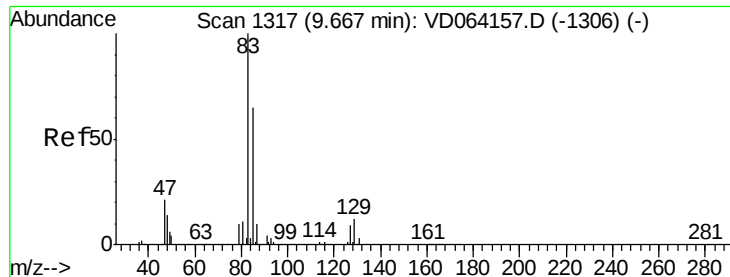
20000

0

Time-->

9.40 9.45 9.50 9.55





#47

Bromodichloromethane

Concen: 50.765 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. -0.00 min

Lab File: VD064255.D

Acq: 18 Nov 2019 10:29

Instrument :

MSVOA_D

ClientSampleId :

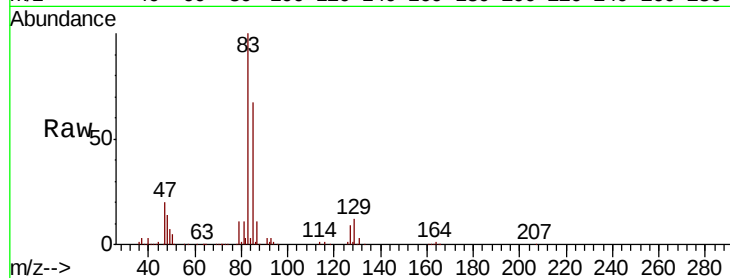
Tot Ion: 83 Resp: 431751

Ion Ratio Lower Upper

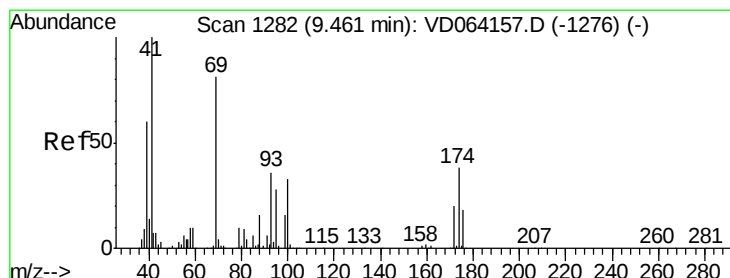
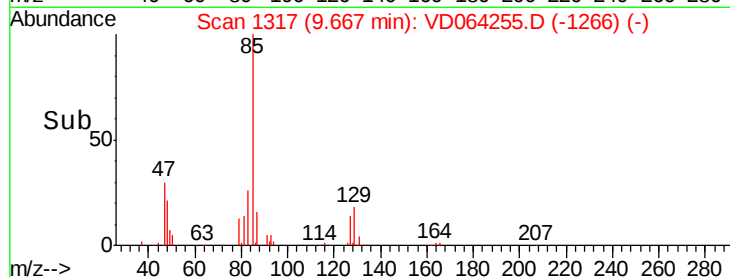
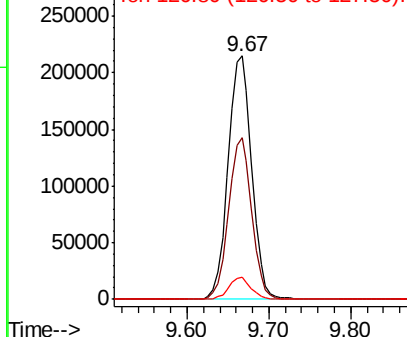
83 100

85 66.6 52.2 78.4

127 9.2 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): V



#48

Methyl methacrylate

Concen: 45.879 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. -0.00 min

Lab File: VD064255.D

Acq: 18 Nov 2019 10:29

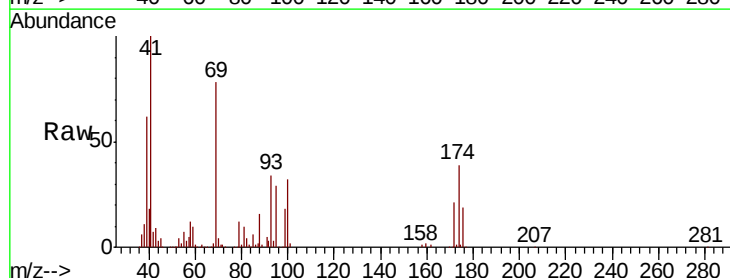
Tgt Ion: 41 Resp: 172768

Ion Ratio Lower Upper

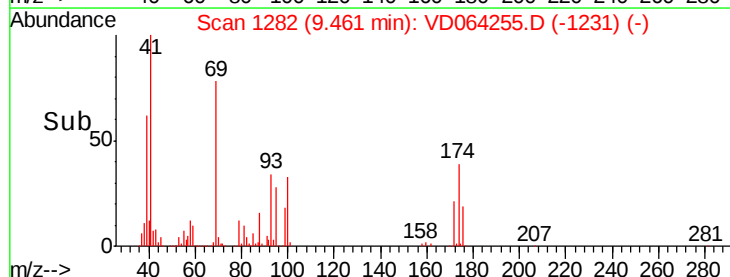
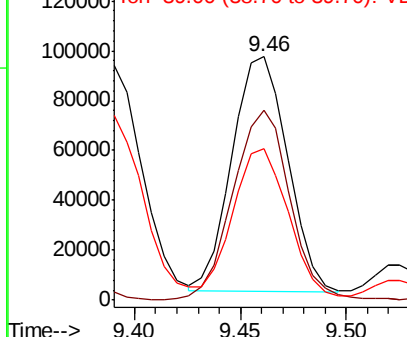
41 100

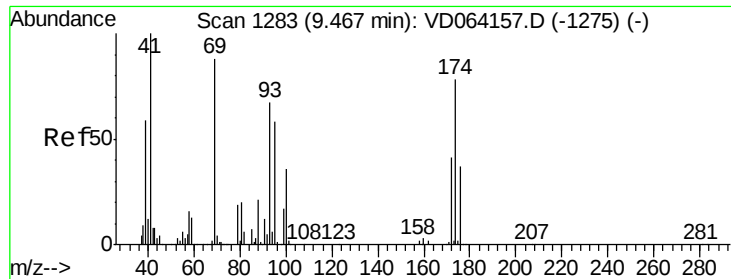
69 82.4 64.6 97.0

39 61.8 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

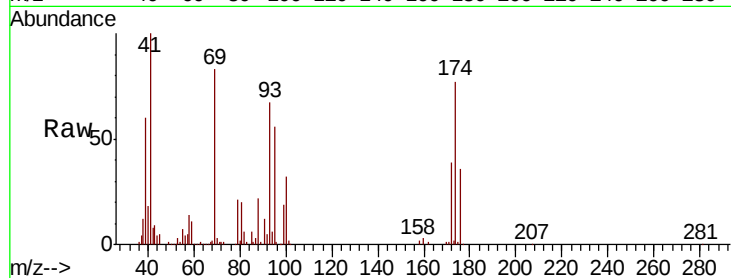




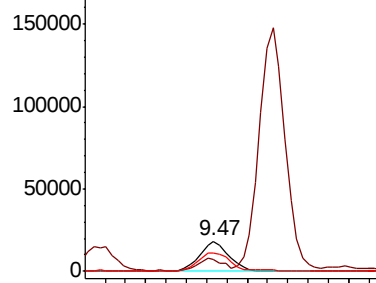
#49
1,4-Dioxane
Concen: 960.241 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VD064255.D
Acq: 18 Nov 2019 10:29

Instrument :
MSVOA_D
ClientSampleId :

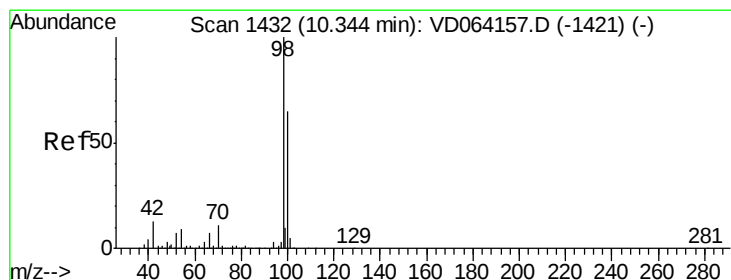
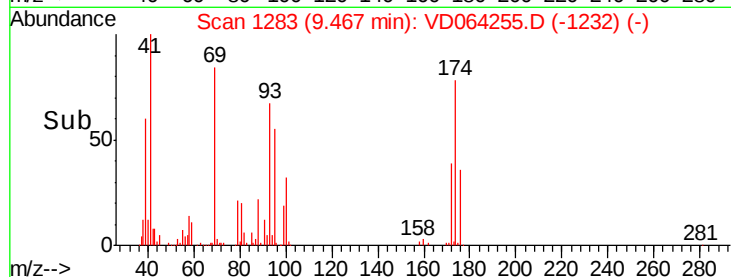
Tot Ion: 88 Resp: 36413
Ion Ratio Lower Upper
88 100
43 34.4 29.8 44.8
58 68.3 58.1 87.1



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

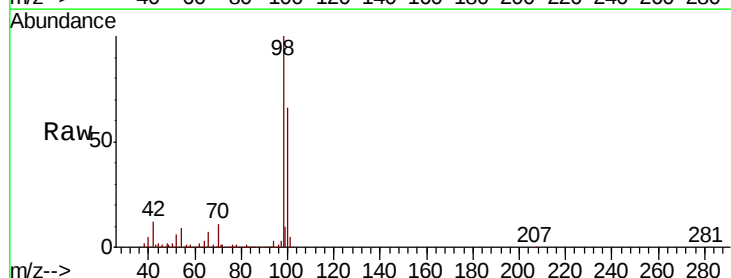


Time-->

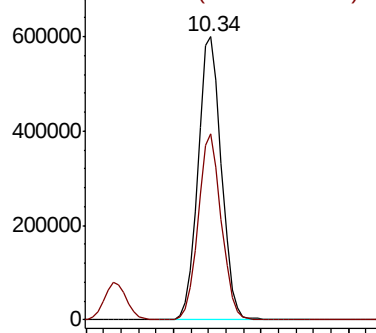


#50
Toluene-d8
Concen: 52.558 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VD064255.D
Acq: 18 Nov 2019 10:29

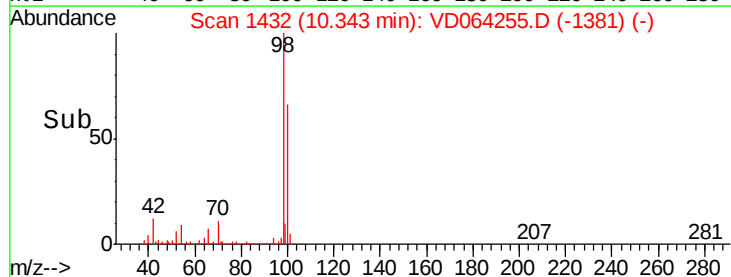
Tgt Ion: 98 Resp: 1093340
Ion Ratio Lower Upper
98 100
100 64.6 52.6 78.8

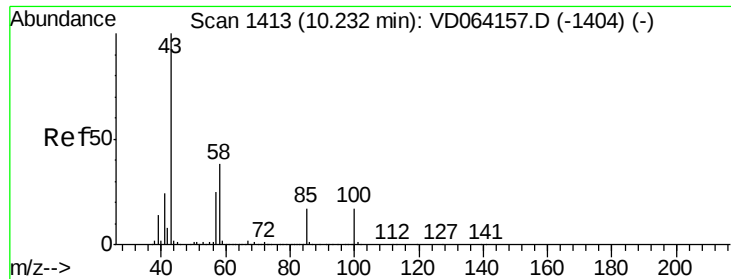


Abundance Ion 98.00 (97.70 to 98.70): VDC
Ion 100.00 (99.70 to 100.70): VDC



Time-->





#51

4-Methyl-2-Pentanone

Concen: 238.649 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. -0.00 min

Lab File: VD064255.D

Acq: 18 Nov 2019 10:29

Instrument :

MSVOA_D

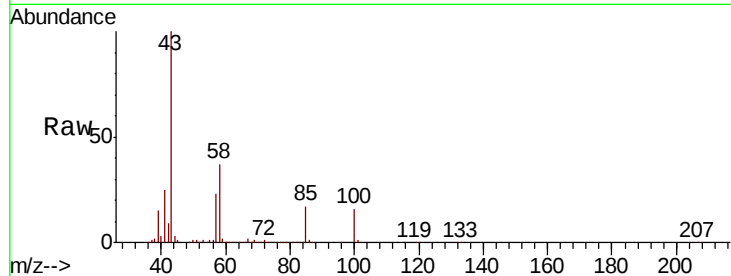
ClientSampled :

Tot Ion: 43 Resp: 881354

Ion Ratio Lower Upper

43 100

58 37.6 30.2 45.4



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

10.23

500000

400000

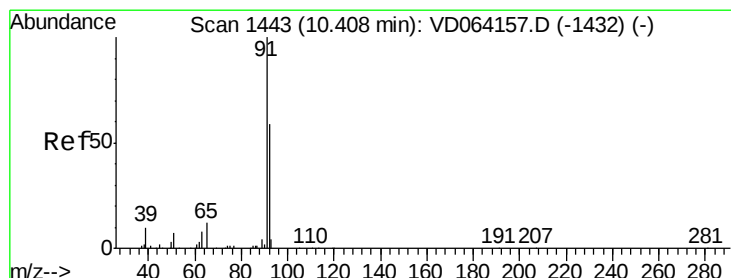
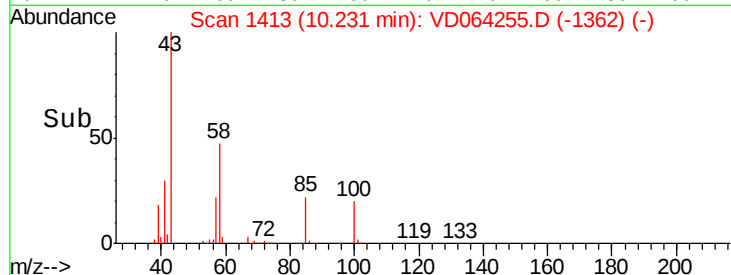
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 50.147 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. -0.00 min

Lab File: VD064255.D

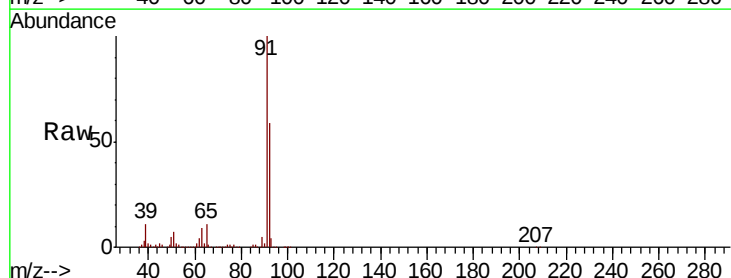
Acq: 18 Nov 2019 10:29

Tgt Ion: 92 Resp: 799020

Ion Ratio Lower Upper

92 100

91 173.2 136.4 204.6



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

800000

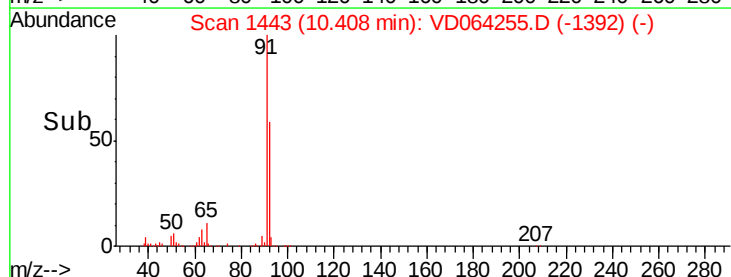
600000

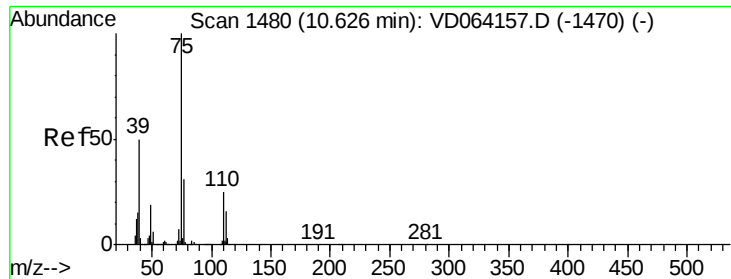
400000

200000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 49.541 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. -0.00 min

Lab File: VD064255.D

Acq: 18 Nov 2019 10:29

Instrument :

MSVOA_D

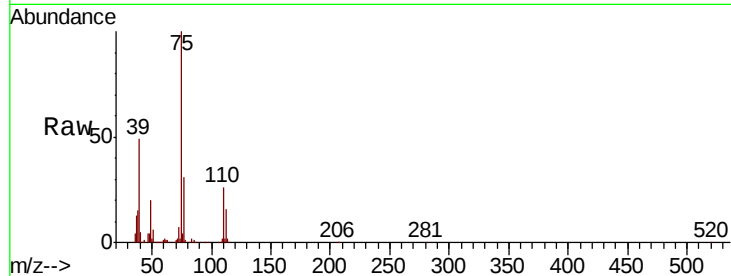
ClientSampled :

Tot Ion: 75 Resp: 422119

Ion Ratio Lower Upper

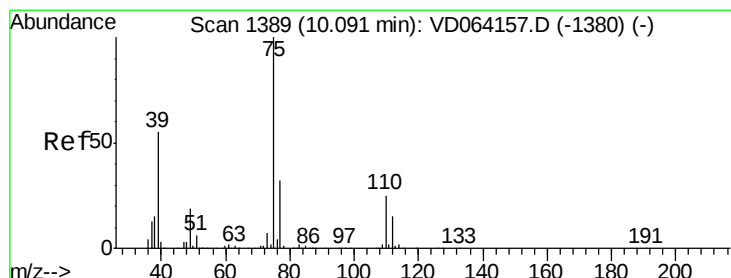
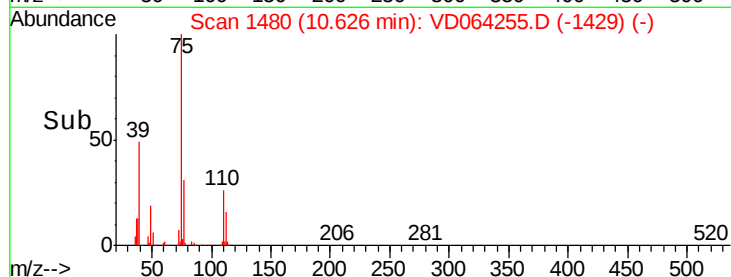
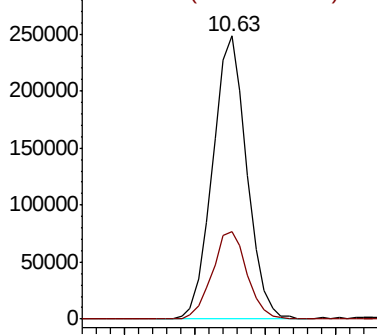
75 100

77 30.9 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: 49.341 ug/l

RT: 10.09 min Scan# 1389

Delta R.T. -0.00 min

Lab File: VD064255.D

Acq: 18 Nov 2019 10:29

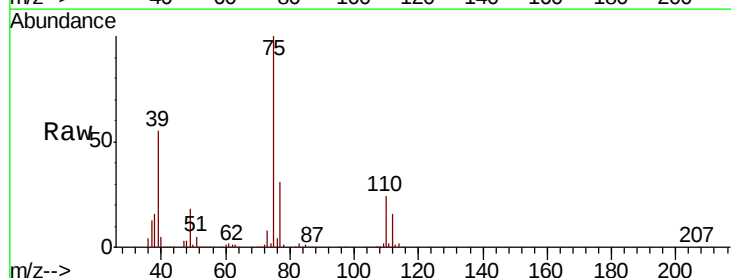
Tgt Ion: 75 Resp: 490586

Ion Ratio Lower Upper

75 100

77 31.4 25.2 37.8

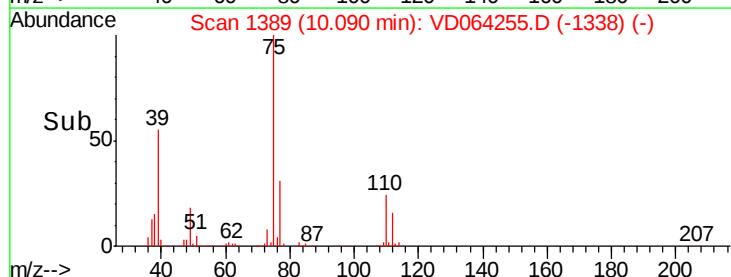
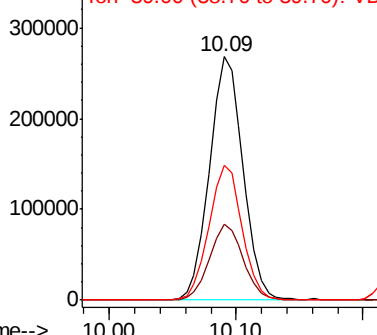
39 55.2 44.2 66.2

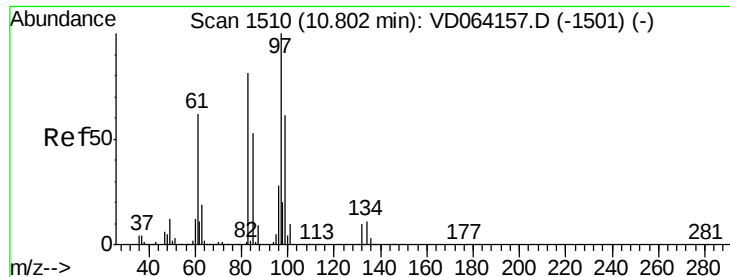


Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 76.90 (76.60 to 77.60): VDC

Ion 39.00 (38.70 to 39.70): VDC

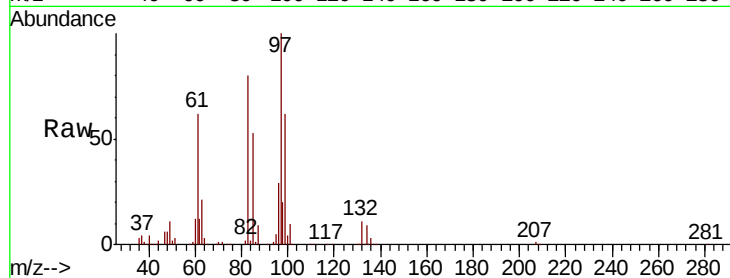




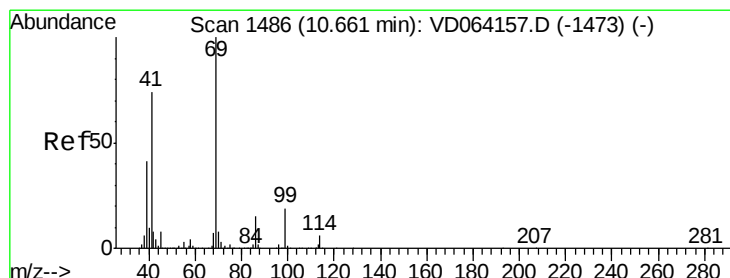
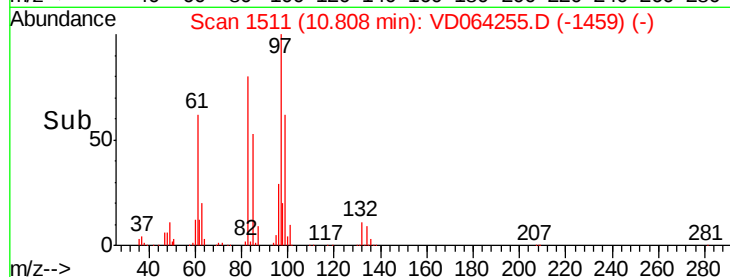
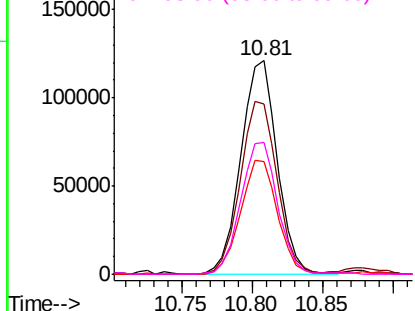
#55
 1,1,2-Trichloroethane
 Concen: 51.031 ug/l
 RT: 10.81 min Scan# 1511
 Delta R.T. 0.01 min
 Lab File: VD064255.D
 Acq: 18 Nov 2019 10:29

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:	97	Resp:	218582
Ion	Ratio	Lower	Upper
97	100		
83	79.5	65.1	97.7
85	52.5	42.0	63.0
99	61.8	48.9	73.3

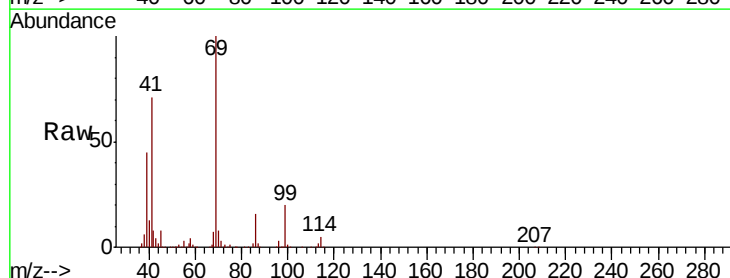


Abundance Ion 96.90 (96.60 to 97.60): VDC
 Ion 82.90 (82.60 to 83.60): VDC
 Ion 84.90 (84.60 to 85.60): VDC
 Ion 98.90 (98.60 to 99.60): VDC

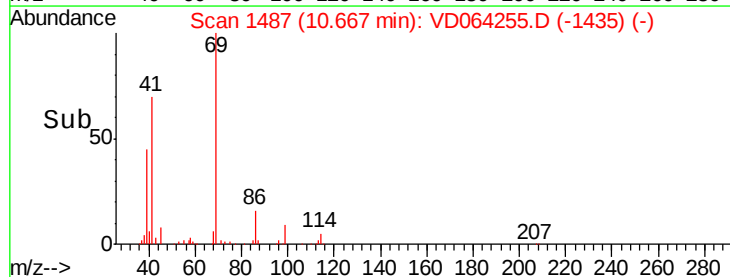
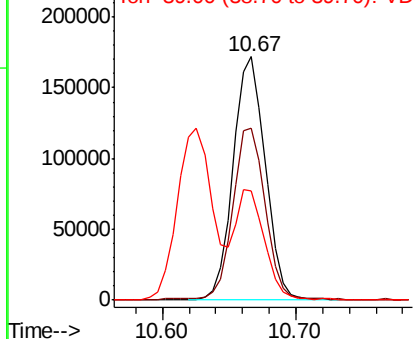


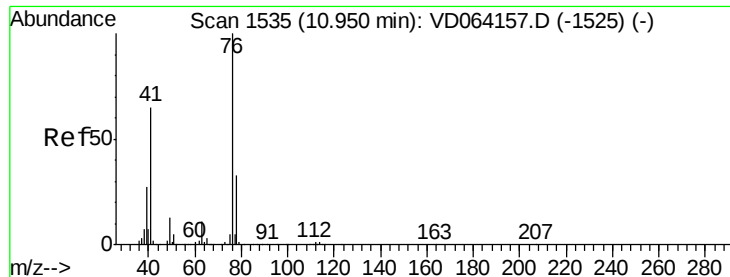
#56
 Ethyl methacrylate
 Concen: 48.119 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. 0.01 min
 Lab File: VD064255.D
 Acq: 18 Nov 2019 10:29

Tgt Ion:	69	Resp:	288321
Ion	Ratio	Lower	Upper
69	100		
41	70.2	57.9	86.9
39	39.9	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: 49.891 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. -0.00 min

Lab File: VD064255.D

Acq: 18 Nov 2019 10:29

Instrument :

MSVOA_D

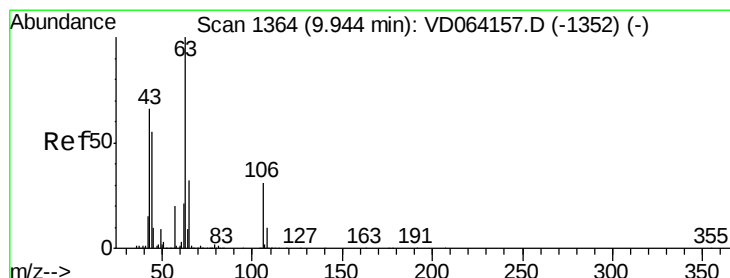
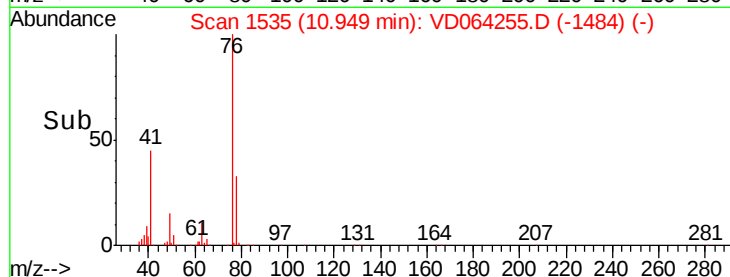
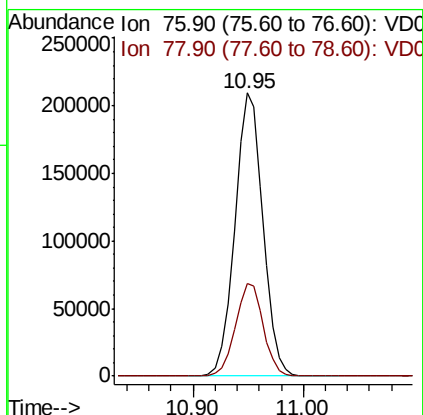
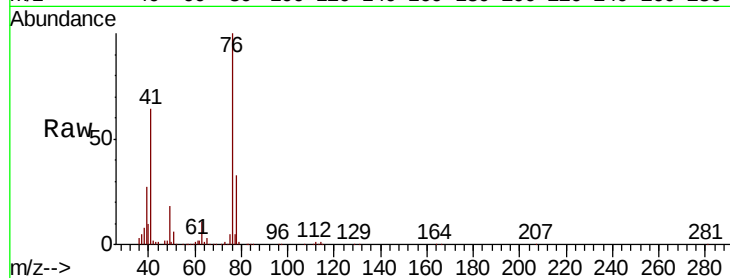
ClientSampleId :

Tot Ion: 76 Resp: 372693

Ion Ratio Lower Upper

76 100

78 32.6 26.2 39.4



#58

2-Chloroethyl Vinyl ether

Concen: 234.949 ug/l

RT: 9.94 min Scan# 1364

Delta R.T. -0.00 min

Lab File: VD064255.D

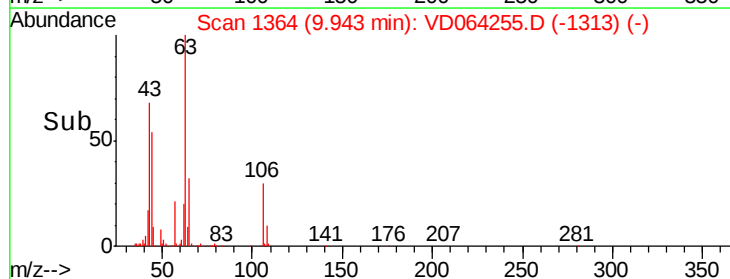
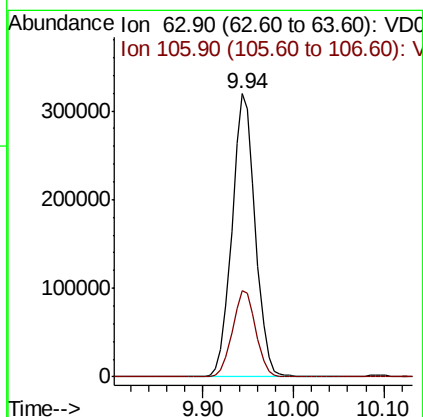
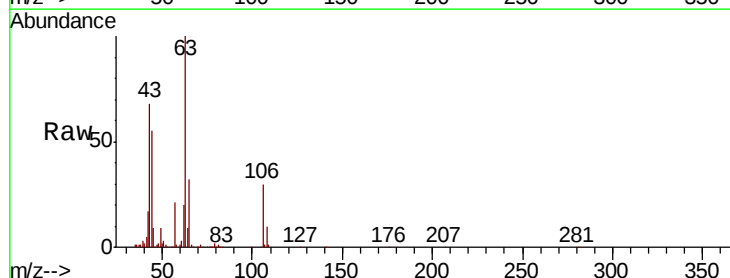
Acq: 18 Nov 2019 10:29

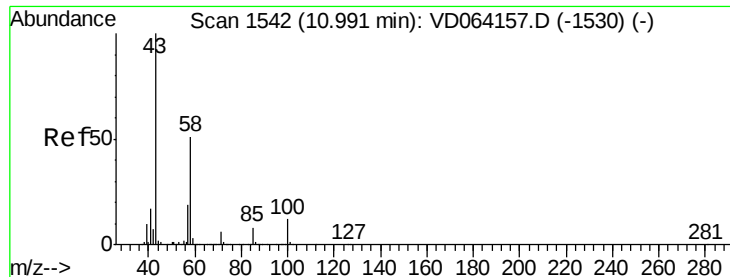
Tgt Ion: 63 Resp: 570248

Ion Ratio Lower Upper

63 100

106 30.7 24.1 36.1

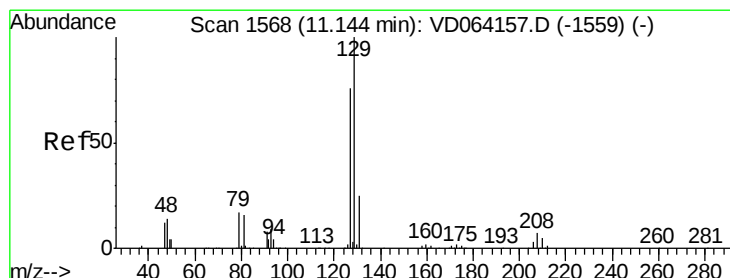
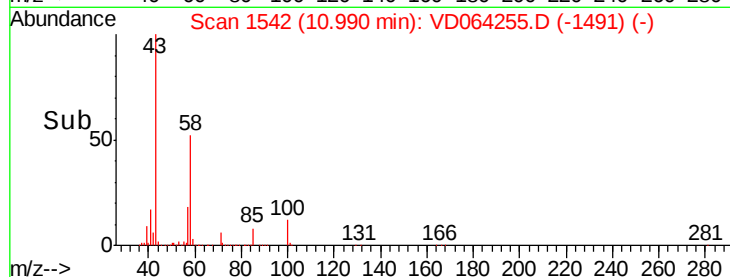
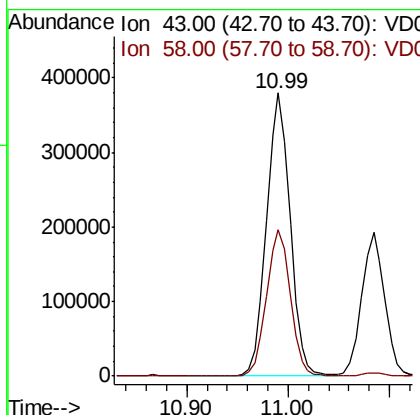
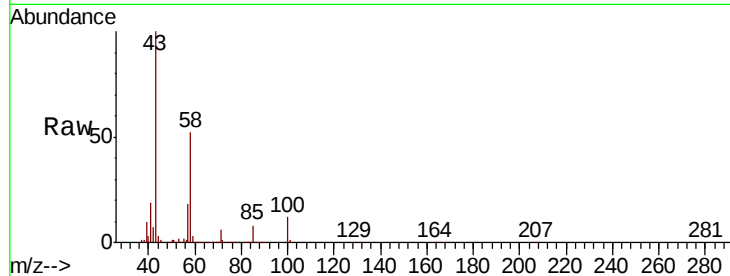




#59
2-Hexanone
Concen: 234.616 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. -0.00 min
Lab File: VD064255.D
Acq: 18 Nov 2019 10:29

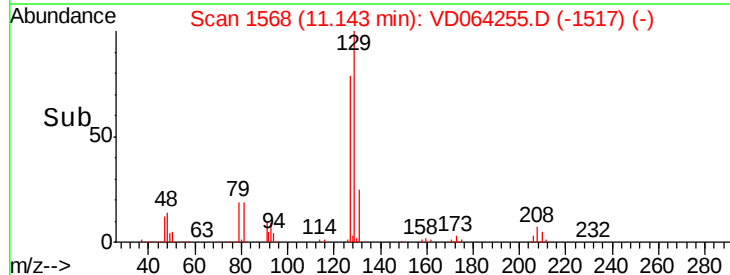
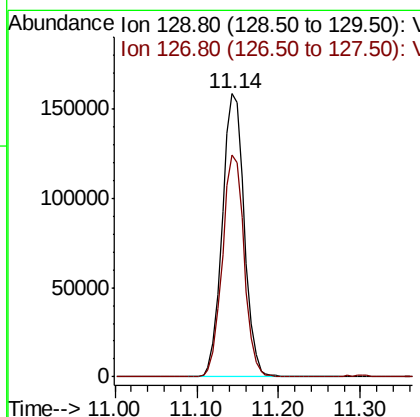
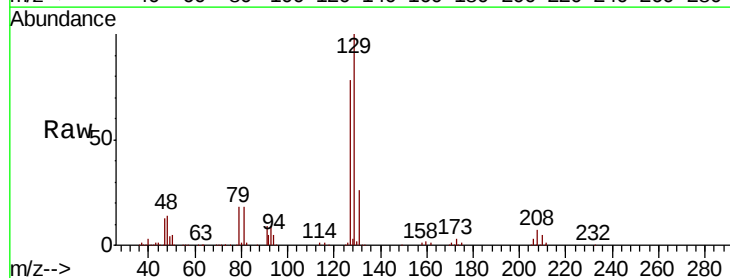
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 43 Resp: 616437
Ion Ratio Lower Upper
43 100
58 52.2 25.9 77.7



#60
Dibromochloromethane
Concen: 49.559 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VD064255.D
Acq: 18 Nov 2019 10:29

Tgt Ion: 129 Resp: 296201
Ion Ratio Lower Upper
129 100
127 77.6 38.6 115.8

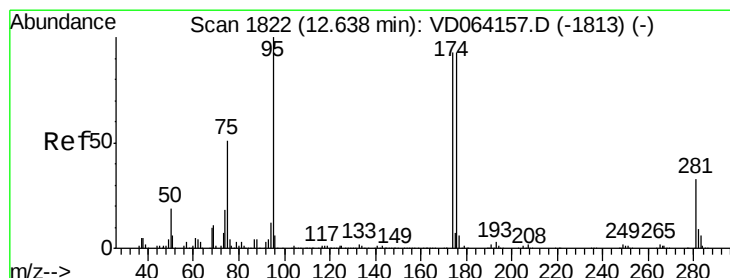
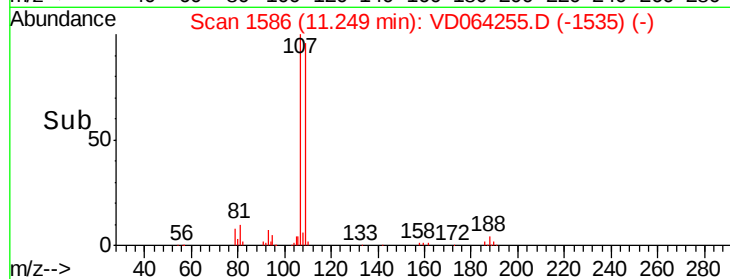
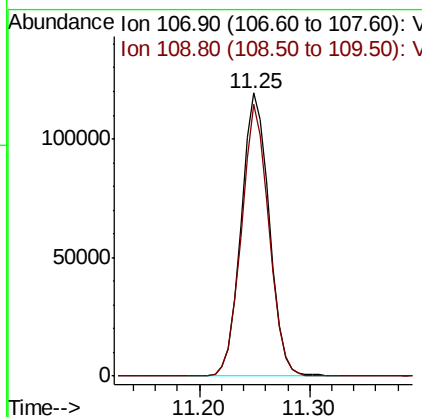
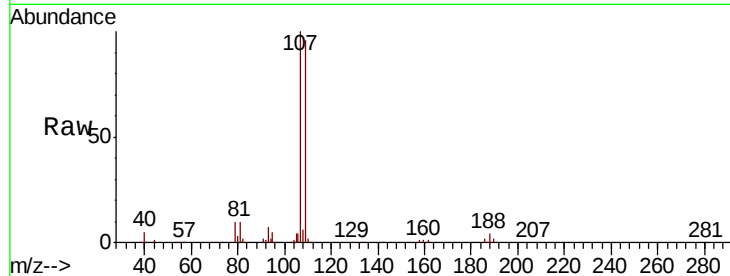




#61
 1,2-Dibromoethane
 Concen: 49.659 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. -0.00 min
 Lab File: VD064255.D
 Acq: 18 Nov 2019 10:29

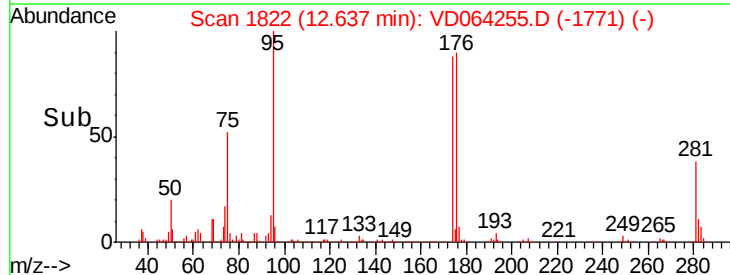
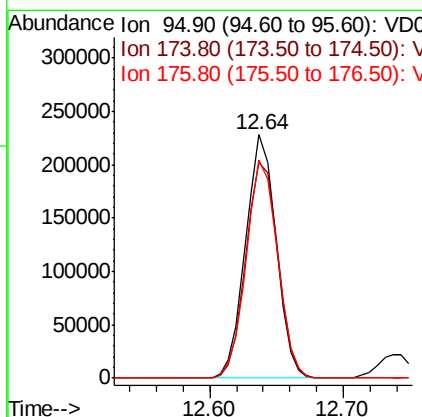
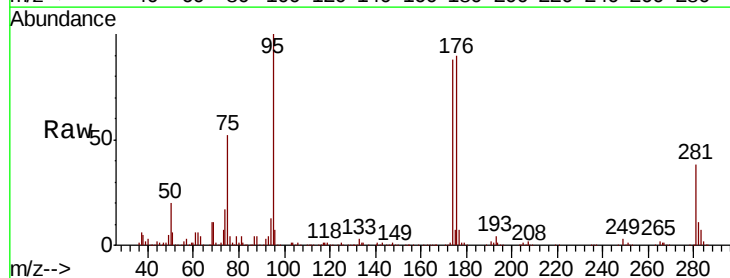
Instrument :
 MSVOA_D
 ClientSampleId :

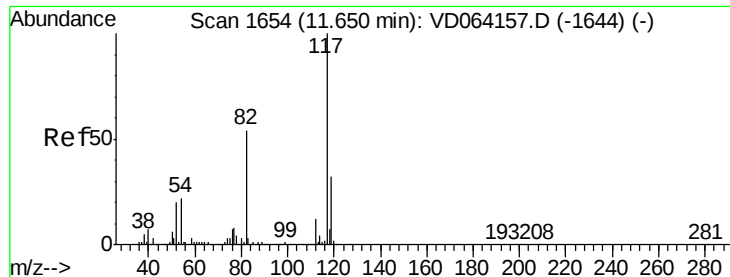
Tot Ion:107 Resp: 213046
 Ion Ratio Lower Upper
 107 100
 109 94.2 75.1 112.7



#62
 4-Bromofluorobenzene
 Concen: 50.070 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. -0.00 min
 Lab File: VD064255.D
 Acq: 18 Nov 2019 10:29

Tgt Ion: 95 Resp: 360711
 Ion Ratio Lower Upper
 95 100
 174 93.5 0.0 183.6
 176 91.6 0.0 180.2

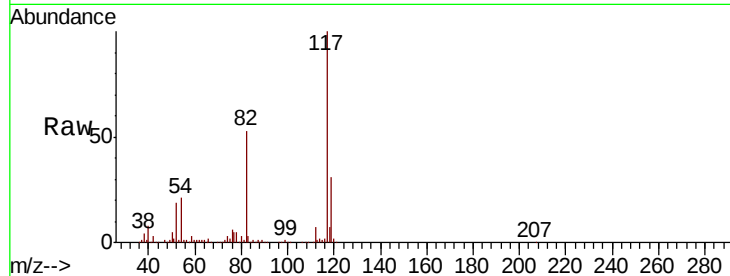




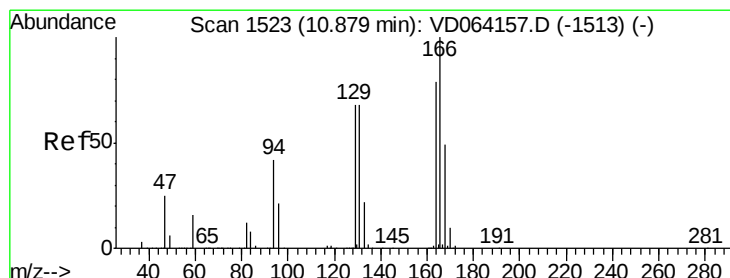
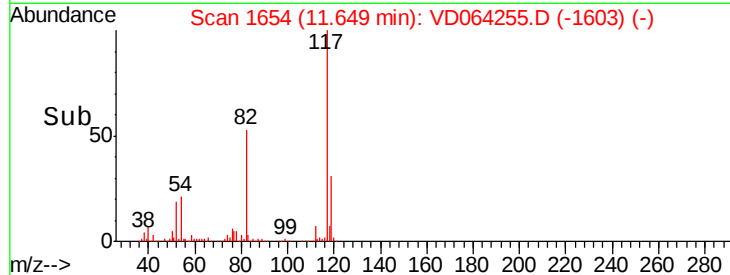
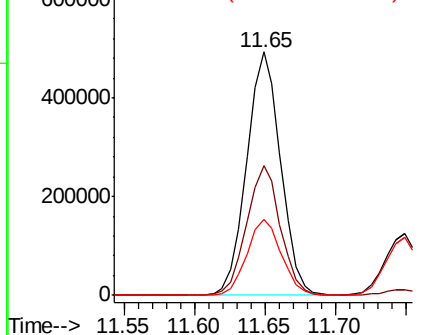
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD064255.D
Acq: 18 Nov 2019 10:29

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 832039
Ion Ratio Lower Upper
117 100
82 53.0 42.8 64.2
119 31.1 25.6 38.4

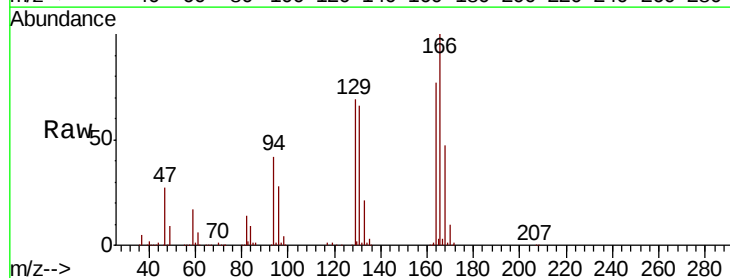


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

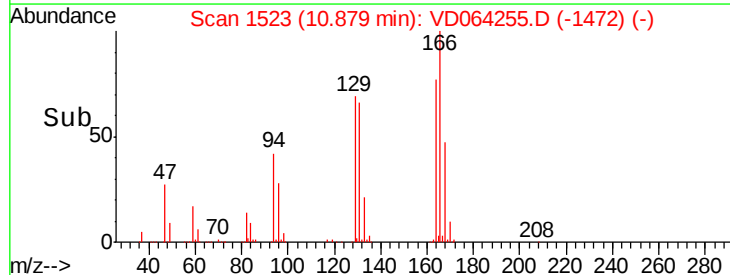
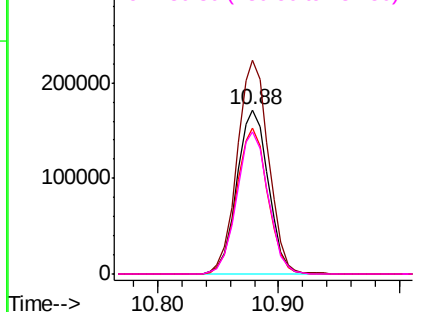


#64
Tetrachloroethene
Concen: 48.706 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. -0.00 min
Lab File: VD064255.D
Acq: 18 Nov 2019 10:29

Tgt Ion:164 Resp: 311678
Ion Ratio Lower Upper
164 100
166 130.1 100.8 151.2
129 89.2 68.7 103.1
131 86.3 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

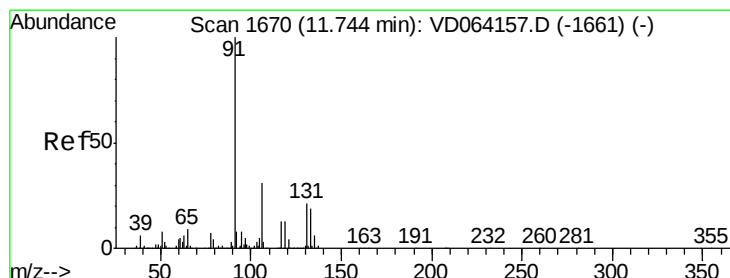
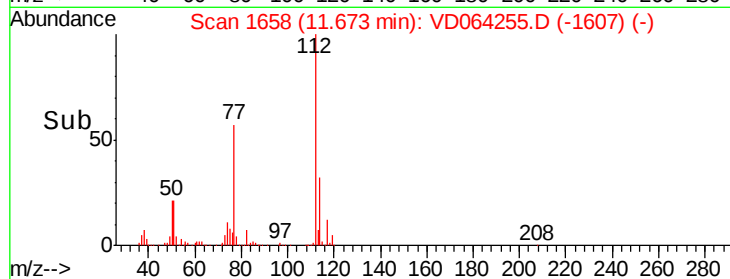
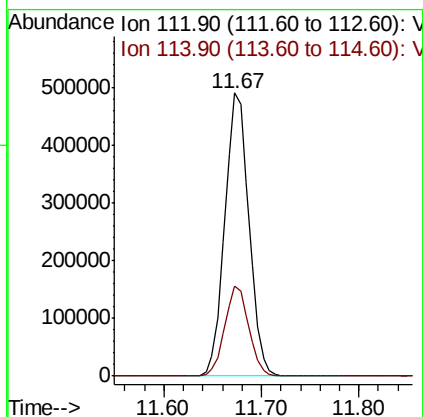
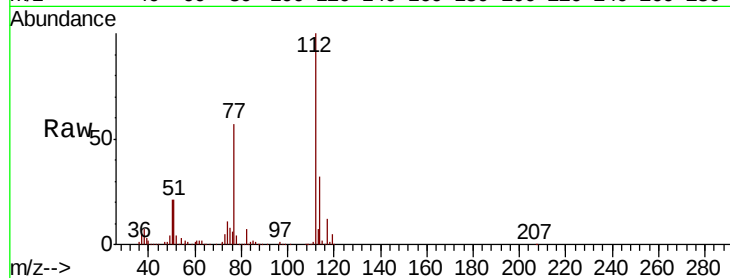




#65
Chlorobenzene
Concen: 49.748 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. -0.00 min
Lab File: VD064255.D
Acq: 18 Nov 2019 10:29

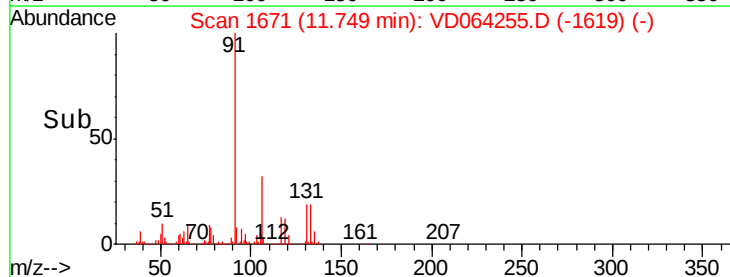
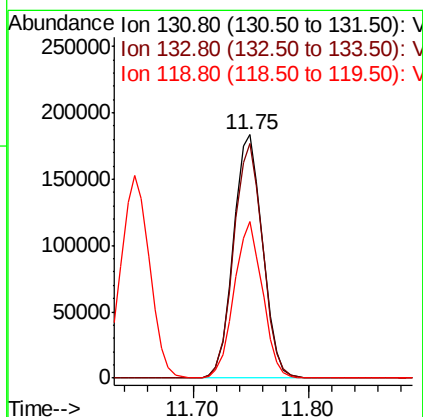
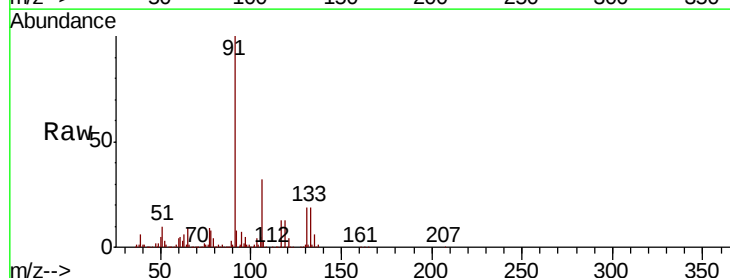
Instrument :
MSVOA_D
ClientSampled :

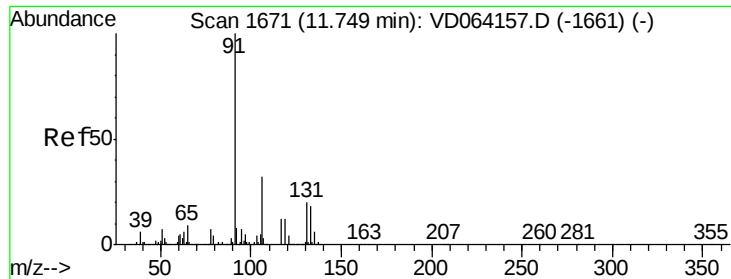
Tot Ion:112 Resp: 841712
Ion Ratio Lower Upper
112 100
114 31.7 25.2 37.8



#66
1,1,1,2-Tetrachloroethane
Concen: 49.936 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.01 min
Lab File: VD064255.D
Acq: 18 Nov 2019 10:29

Tgt Ion:131 Resp: 321267
Ion Ratio Lower Upper
131 100
133 96.3 47.3 141.9
119 62.7 31.1 93.3





#67

Ethyl Benzene

Concen: 50.638 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. -0.00 min

Lab File: VD064255.D

Acq: 18 Nov 2019 10:29

Instrument :

MSVOA_D

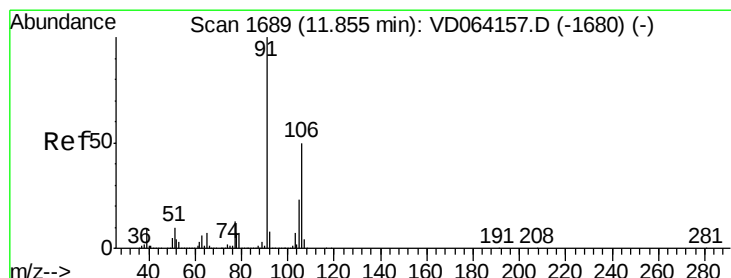
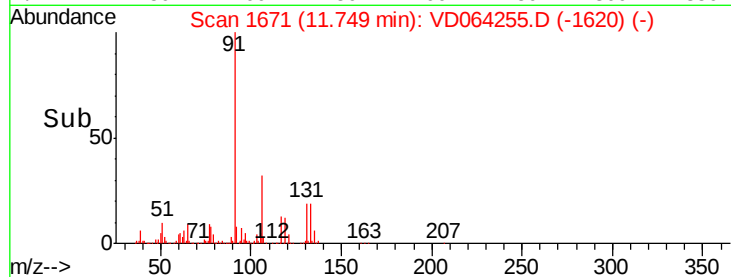
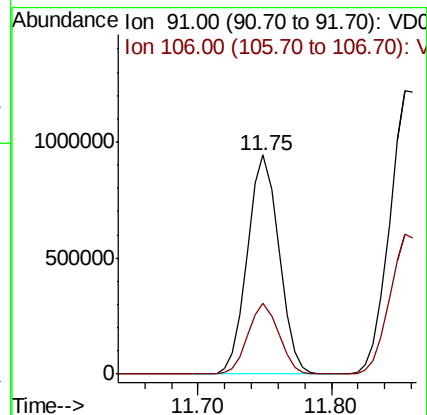
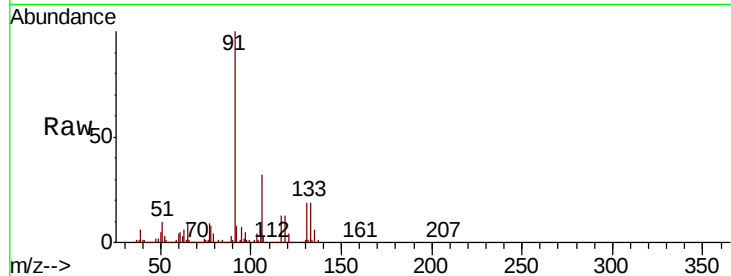
ClientSampled :

Tot Ion: 91 Resp: 1549747

Ion Ratio Lower Upper

91 100

106 32.1 25.5 38.3



#68

m/p-Xylenes

Concen: 100.853 ug/l

RT: 11.85 min Scan# 1689

Delta R.T. -0.00 min

Lab File: VD064255.D

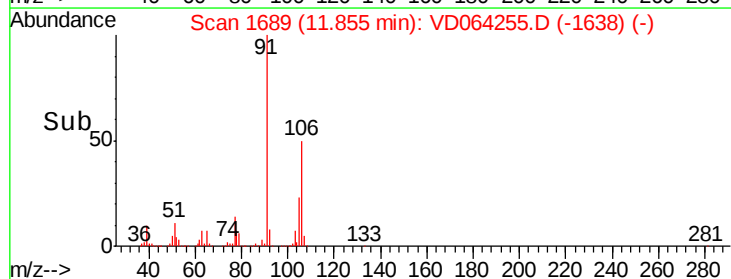
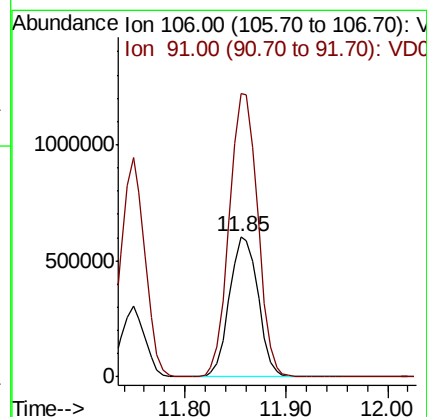
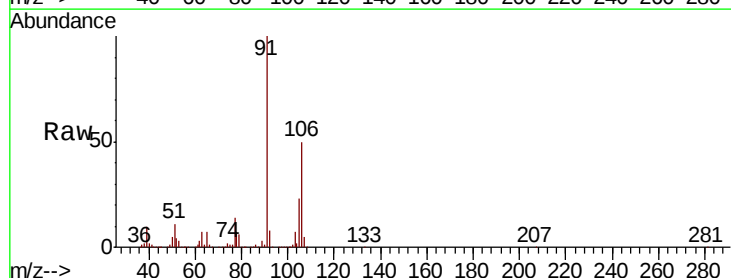
Acq: 18 Nov 2019 10:29

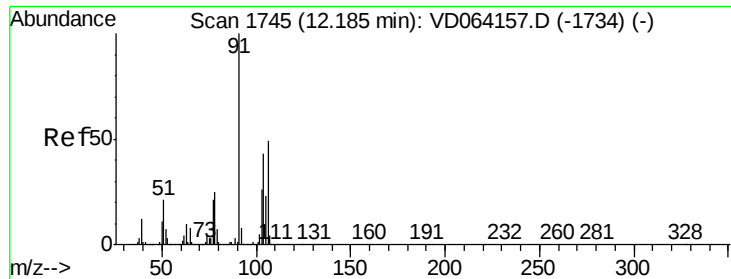
Tgt Ion: 106 Resp: 1183085

Ion Ratio Lower Upper

106 100

91 200.9 160.3 240.5

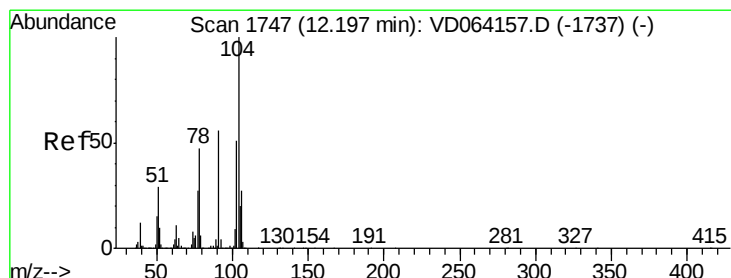
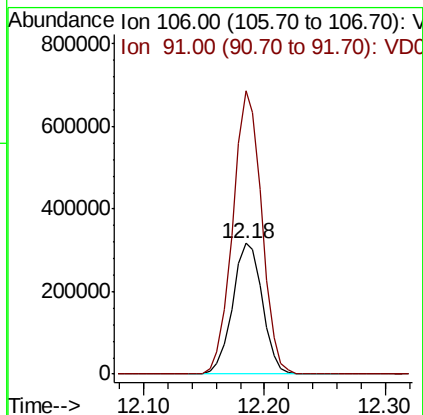
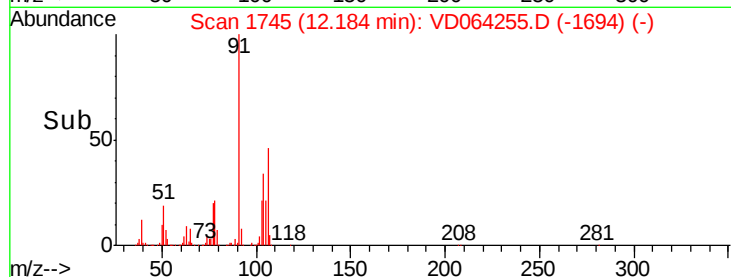
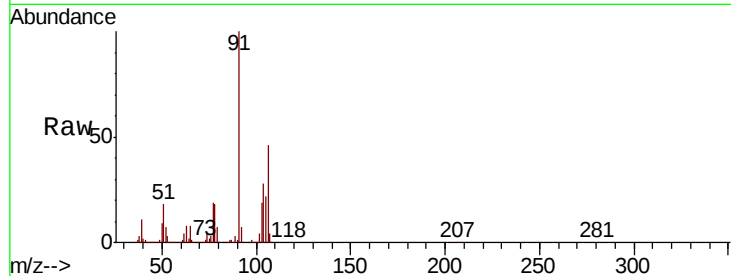




#69
o-Xylene
Concen: 50.015 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. -0.00 min
Lab File: VD064255.D
Acq: 18 Nov 2019 10:29

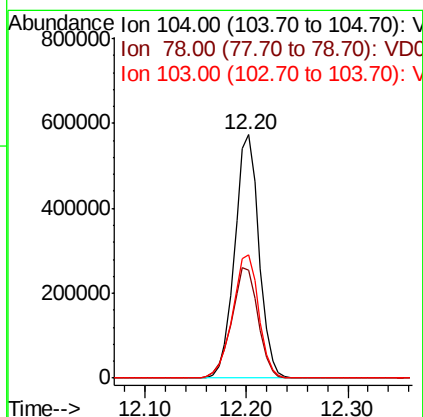
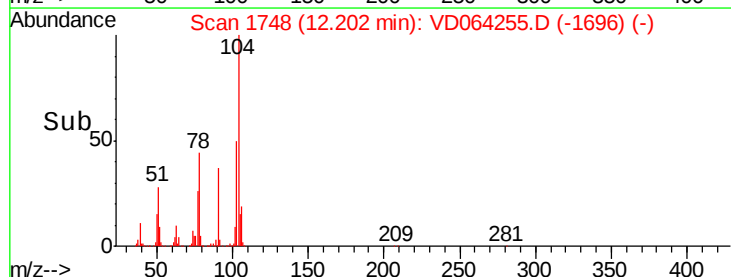
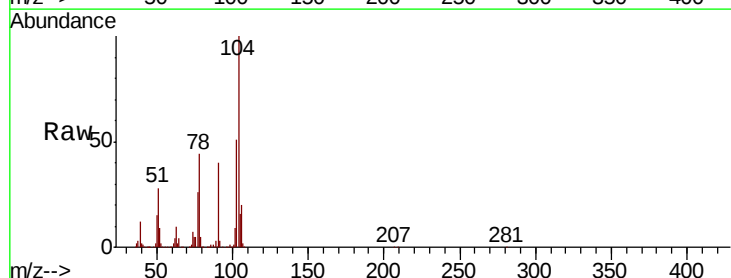
Instrument :
MSVOA_D
ClientSampleId :

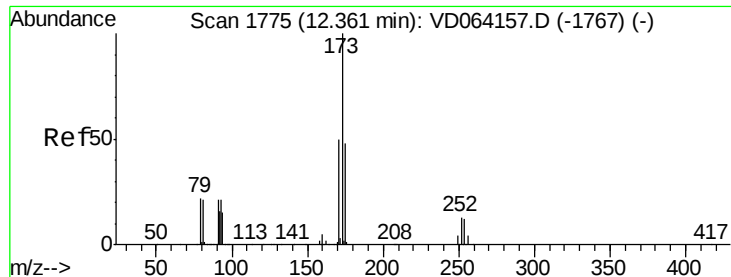
Tot Ion:106 Resp: 544140
Ion Ratio Lower Upper
106 100
91 210.7 105.1 315.3



#70
Styrene
Concen: 50.064 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. 0.01 min
Lab File: VD064255.D
Acq: 18 Nov 2019 10:29

Tgt Ion:104 Resp: 950775
Ion Ratio Lower Upper
104 100
78 49.4 39.9 59.9
103 54.8 43.4 65.0





#71

Bromoform

Concen: 49.516 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. 0.01 min

Lab File: VD064255.D

Acq: 18 Nov 2019 10:29

Instrument :

MSVOA_D

ClientSampled :

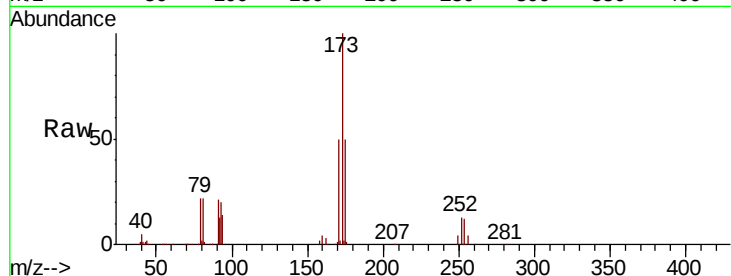
Tot Ion:173 Resp: 181296

Ion Ratio Lower Upper

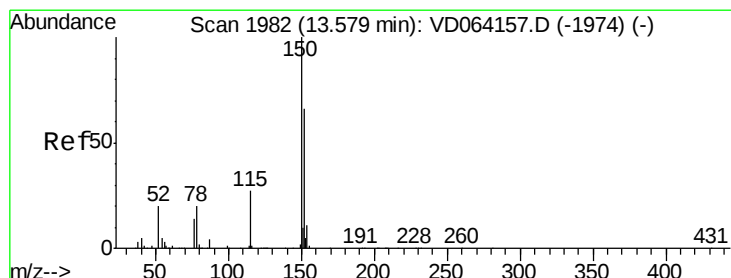
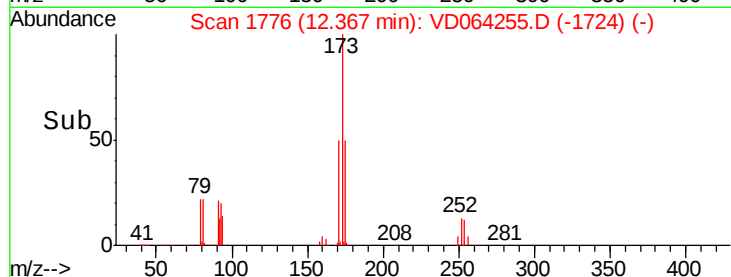
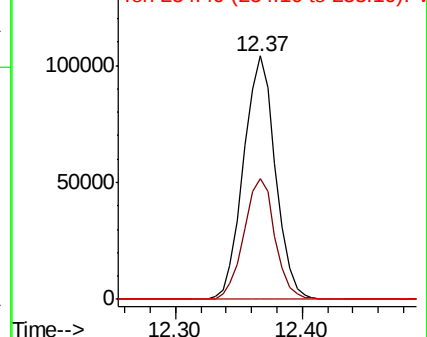
173 100

175 48.1 24.1 72.3

254 0.2 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: VD064255.D

Acq: 18 Nov 2019 10:29

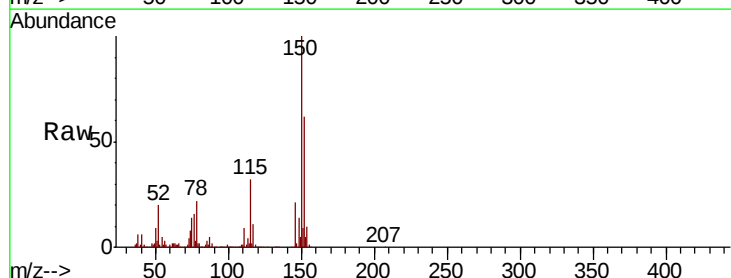
Tgt Ion:152 Resp: 407551

Ion Ratio Lower Upper

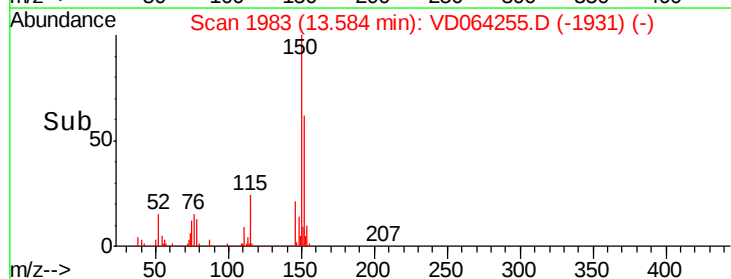
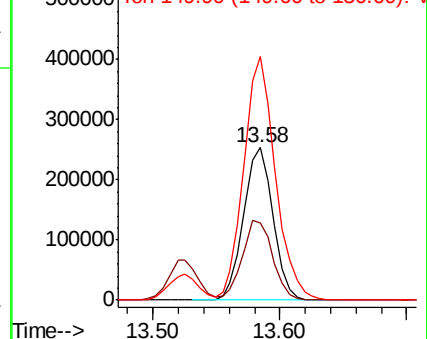
152 100

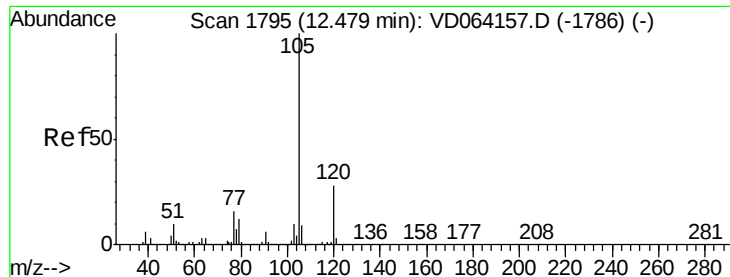
115 54.3 27.4 82.2

150 171.8 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: 50.620 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.01 min

Lab File: VD064255.D

Acq: 18 Nov 2019 10:29

Instrument :

MSVOA_D

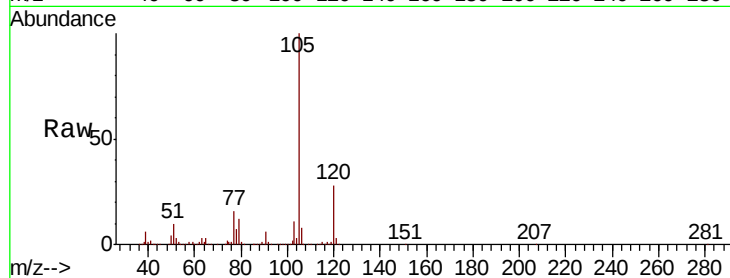
ClientSampleId :

Tot Ion:105 Resp: 1514253

Ion Ratio Lower Upper

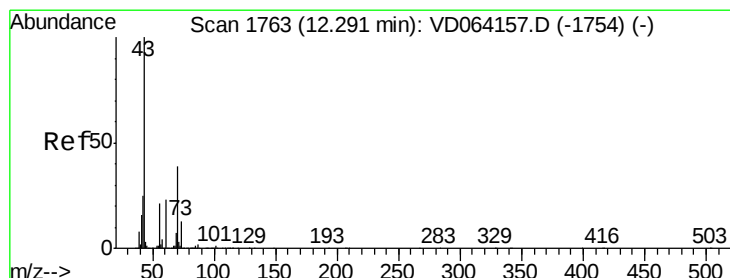
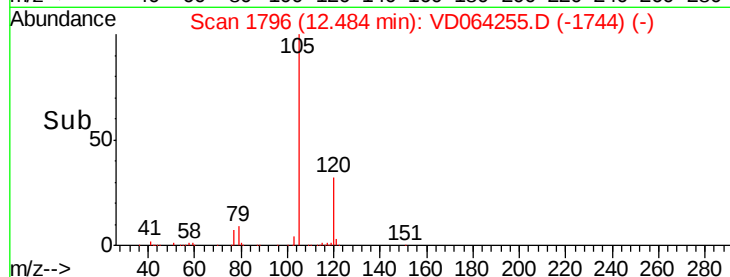
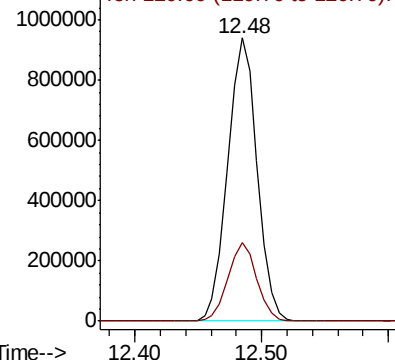
105 100

120 27.2 13.6 40.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 47.479 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. 0.01 min

Lab File: VD064255.D

Acq: 18 Nov 2019 10:29

Tgt Ion: 43 Resp: 335394

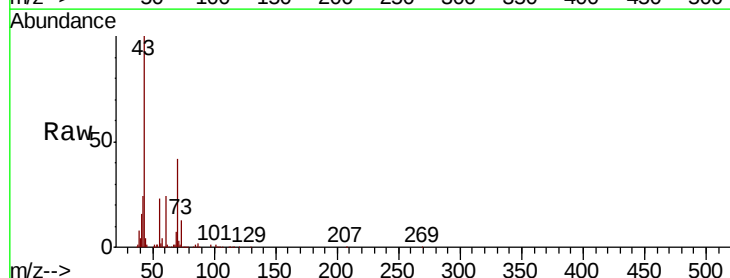
Ion Ratio Lower Upper

43 100

70 40.6 32.4 48.6

55 22.4 17.9 26.9

61 23.8 19.0 28.4

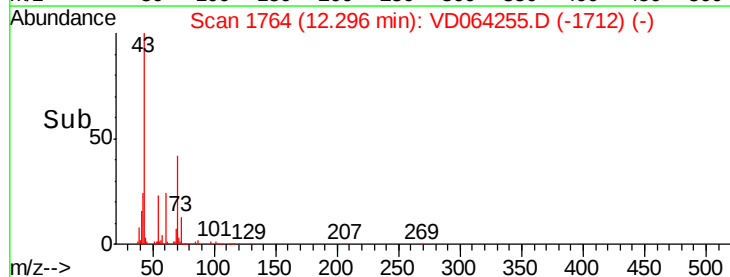
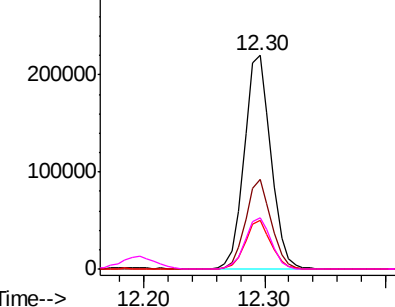


Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 49.045 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. -0.00 min

Lab File: VD064255.D

Acq: 18 Nov 2019 10:29

Instrument :

MSVOA_D

ClientSampleId :

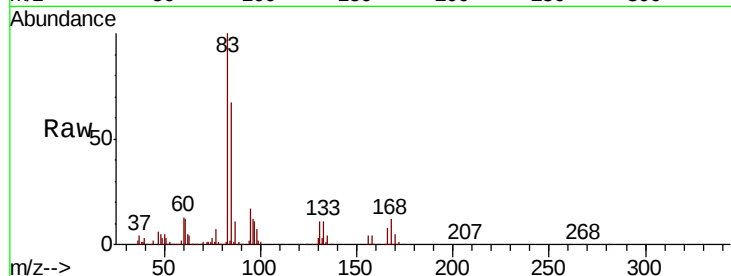
Tot Ion: 83 Resp: 221073

Ion	Ratio	Lower	Upper
83	100		
131	12.5	5.9	17.7
85	63.9	32.5	97.5

83 100

131 12.5 5.9 17.7

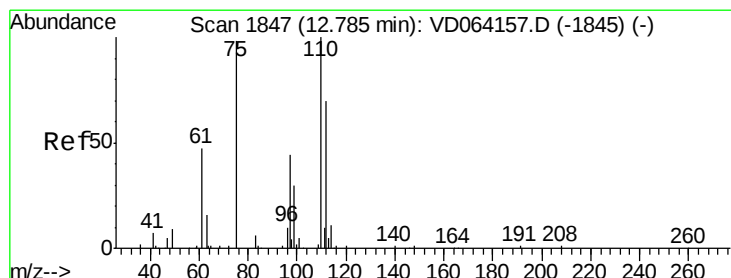
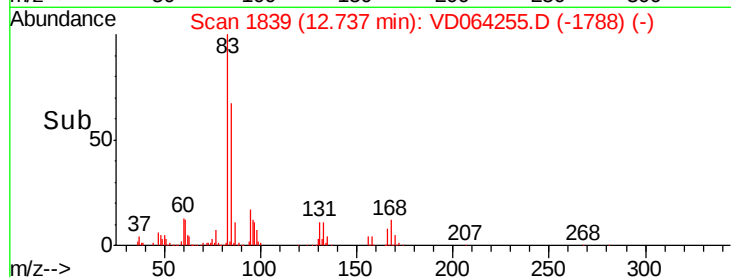
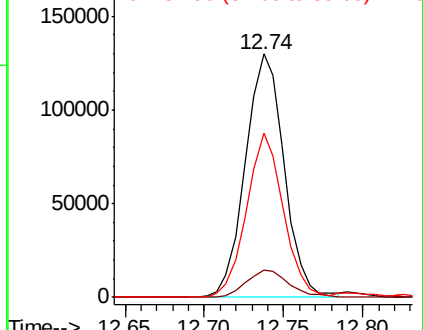
85 63.9 32.5 97.5



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: 93.482 ug/l

RT: 12.79 min Scan# 1848

Delta R.T. 0.01 min

Lab File: VD064255.D

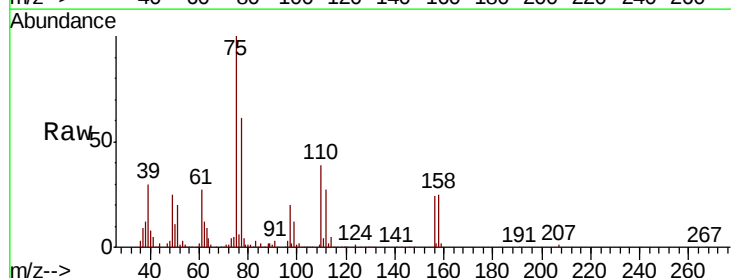
Acq: 18 Nov 2019 10:29

Tgt Ion: 75 Resp: 306873

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

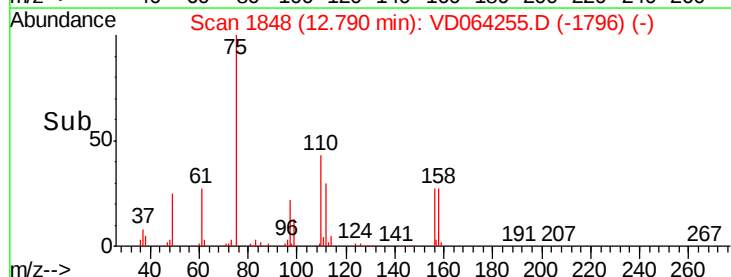
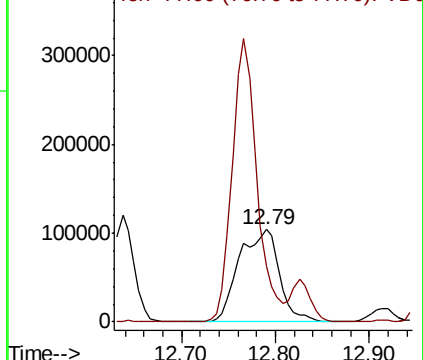
75 100

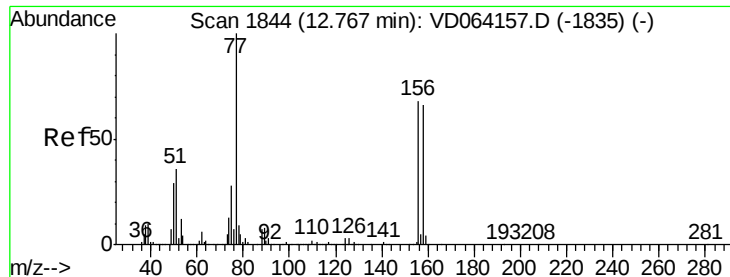
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC





#77

Bromobenzene

Concen: 49.387 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. -0.00 min

Lab File: VD064255.D

Acq: 18 Nov 2019 10:29

Instrument :

MSVOA_D

ClientSampleId :

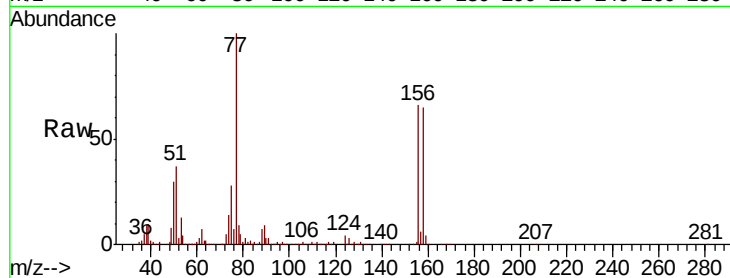
Tot Ion:156 Resp: 358915

Ion Ratio Lower Upper

156 100

77 163.1 81.2 243.4

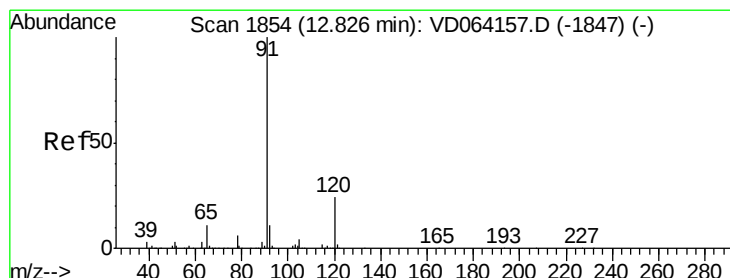
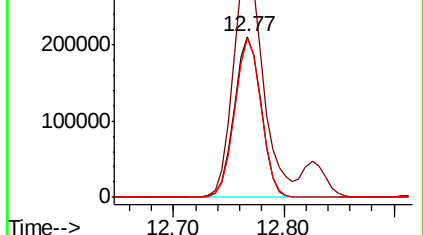
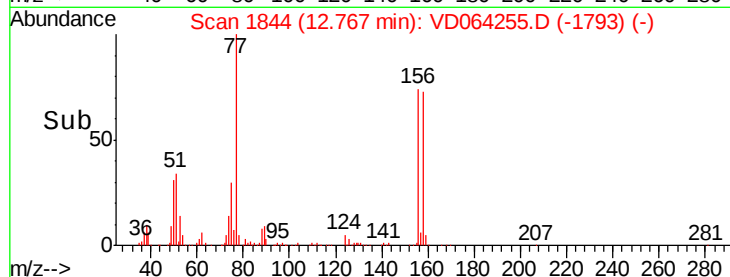
158 98.1 48.4 145.2



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: 50.842 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. -0.00 min

Lab File: VD064255.D

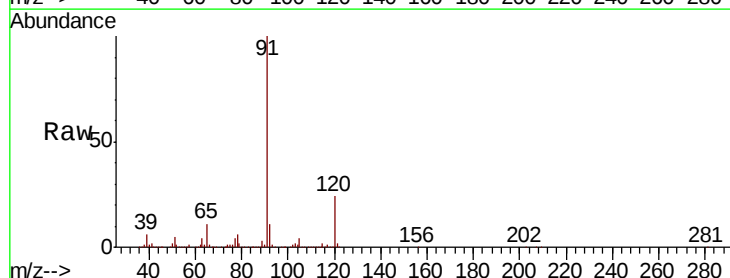
Acq: 18 Nov 2019 10:29

Tgt Ion: 91 Resp: 1737643

Ion Ratio Lower Upper

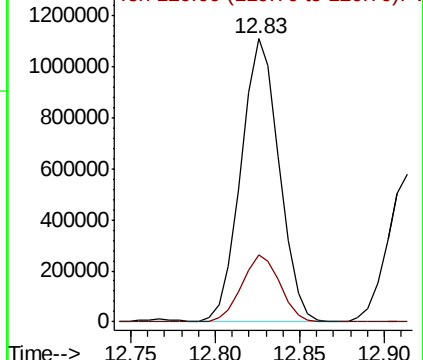
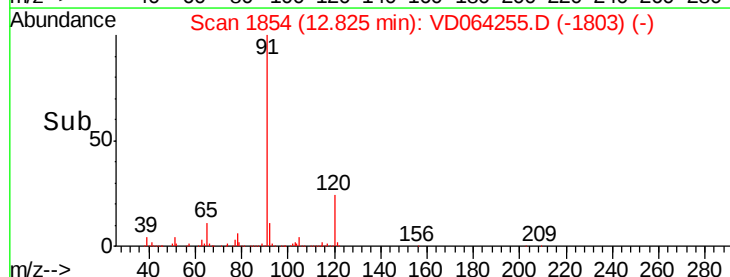
91 100

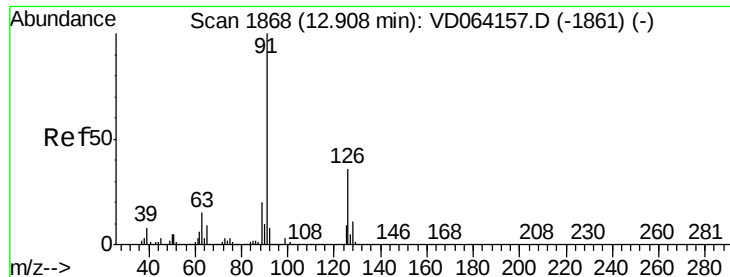
120 23.9 11.8 35.4



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 49.923 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.01 min

Lab File: VD064255.D

Acq: 18 Nov 2019 10:29

Instrument :

MSVOA_D

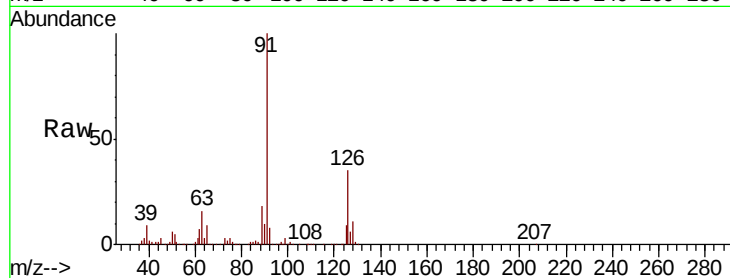
ClientSampleId :

Tot Ion: 91 Resp: 963306

Ion Ratio Lower Upper

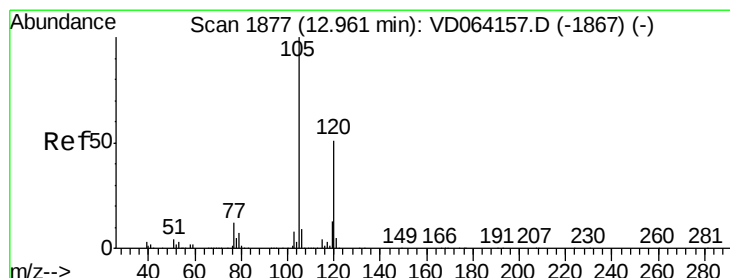
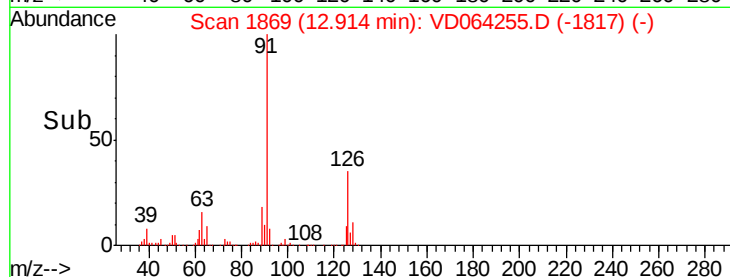
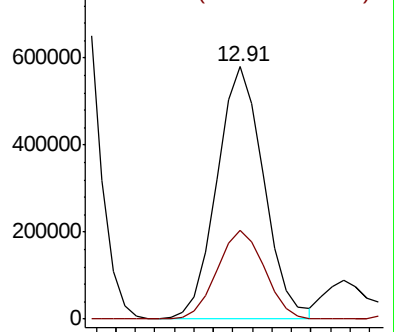
91 100

126 35.5 17.7 53.1



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 50.050 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.01 min

Lab File: VD064255.D

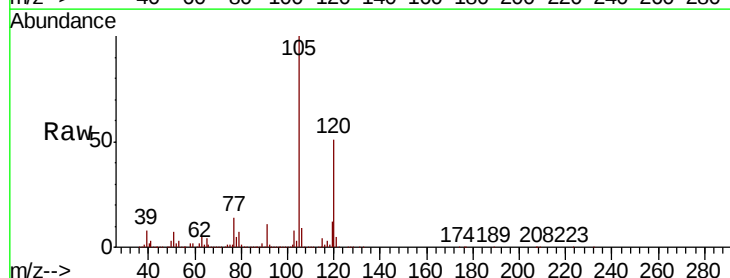
Acq: 18 Nov 2019 10:29

Tgt Ion:105 Resp: 1230260

Ion Ratio Lower Upper

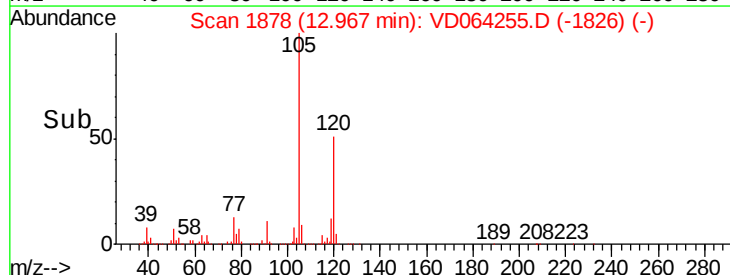
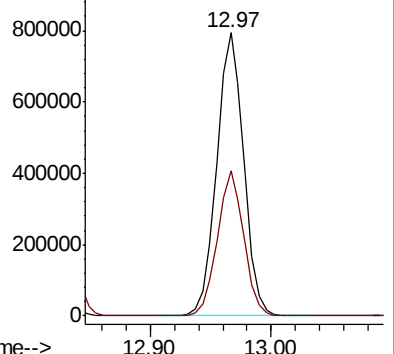
105 100

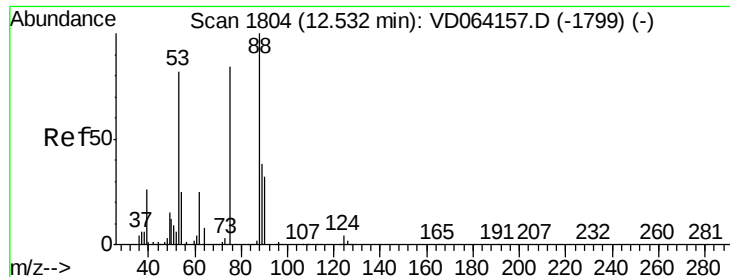
120 50.2 25.4 76.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 46.605 ug/l

RT: 12.54 min Scan# 1805

Delta R.T. 0.01 min

Lab File: VD064255.D

Acq: 18 Nov 2019 10:29

Instrument :

MSVOA_D

ClientSampleId :

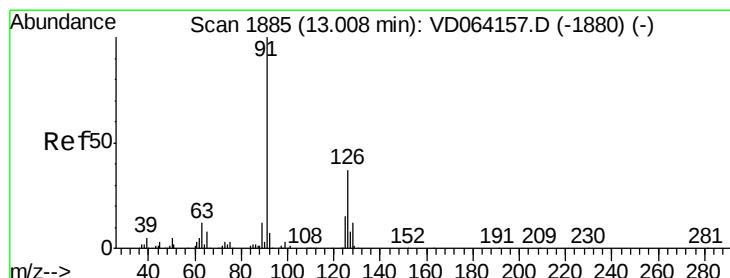
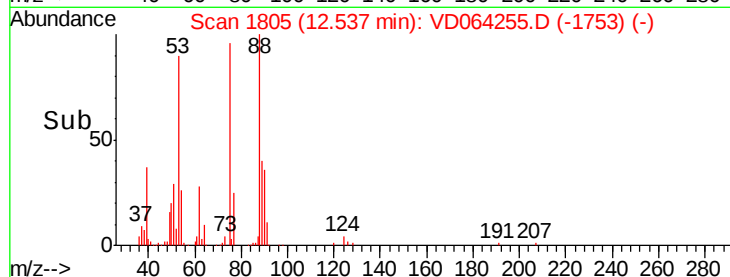
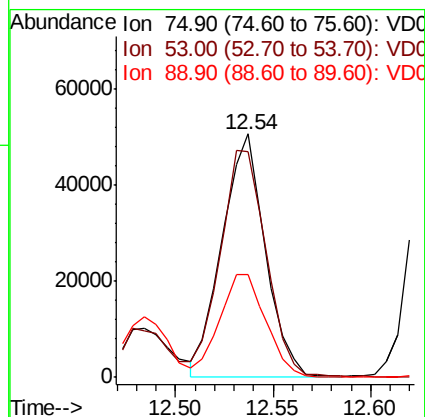
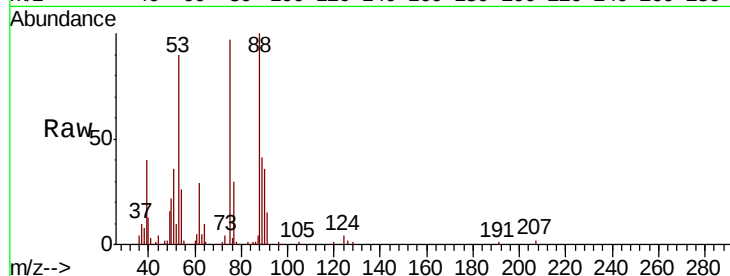
Tot Ion: 75 Resp: 77019

Ion	Ratio	Lower	Upper
75	100		
53	101.5	79.4	119.0
89	45.8	36.6	55.0

75 100

53 101.5 79.4 119.0

89 45.8 36.6 55.0



#82

4-Chlorotoluene

Concen: 49.951 ug/l

RT: 13.01 min Scan# 1886

Delta R.T. 0.01 min

Lab File: VD064255.D

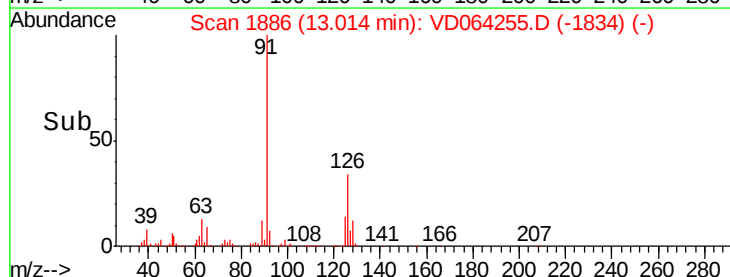
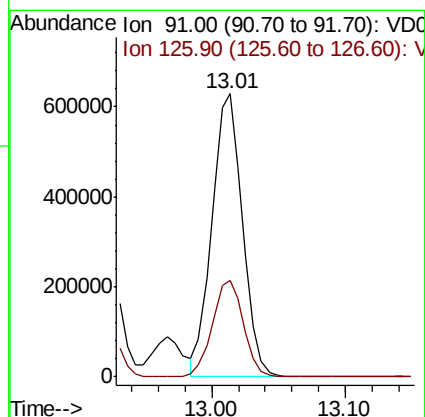
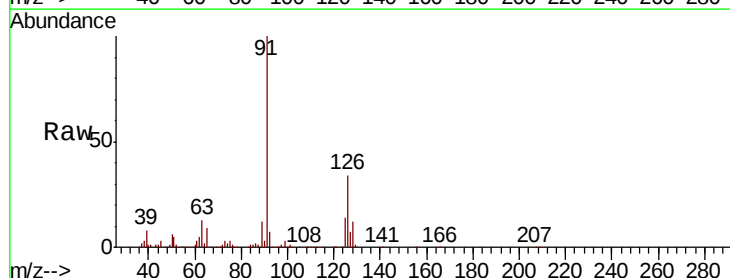
Acq: 18 Nov 2019 10:29

Tgt Ion: 91 Resp: 1005311

Ion	Ratio	Lower	Upper
91	100		
126	34.9	17.8	53.4

91 100

126 34.9 17.8 53.4





#83

tert-Butylbenzene

Concen: 49.637 ug/l

RT: 13.23 min Scan# 1923

Delta R.T. 0.01 min

Lab File: VD064255.D

Acq: 18 Nov 2019 10:29

Instrument :

MSVOA_D

ClientSampleId :

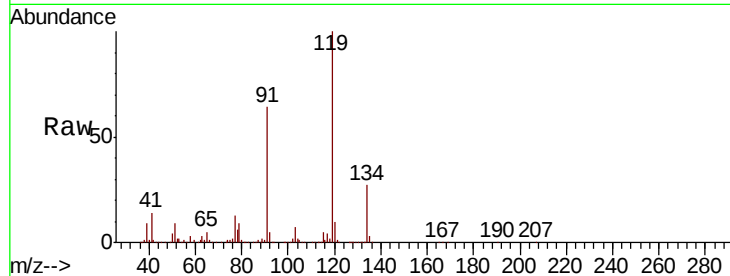
Tot Ion:119 Resp: 1075851

Ion Ratio Lower Upper

119 100

91 65.0 31.8 95.4

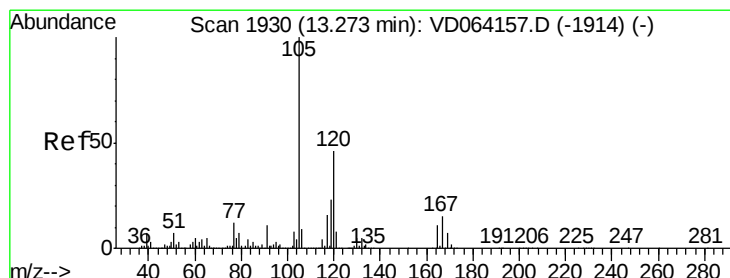
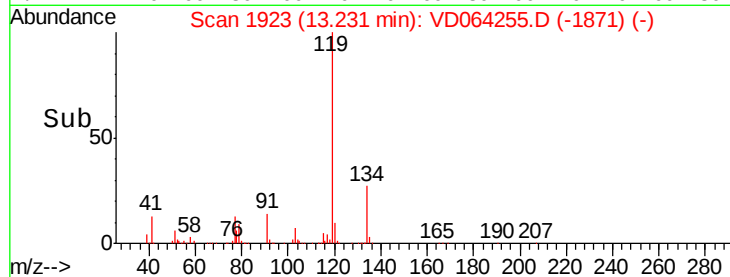
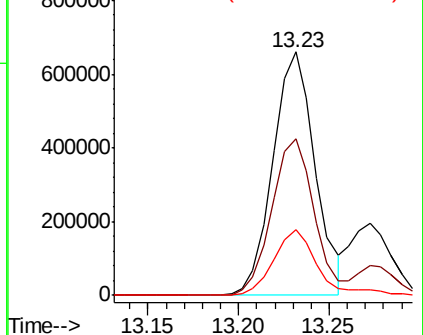
134 27.9 13.7 41.0



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 50.252 ug/l

RT: 13.27 min Scan# 1930

Delta R.T. -0.00 min

Lab File: VD064255.D

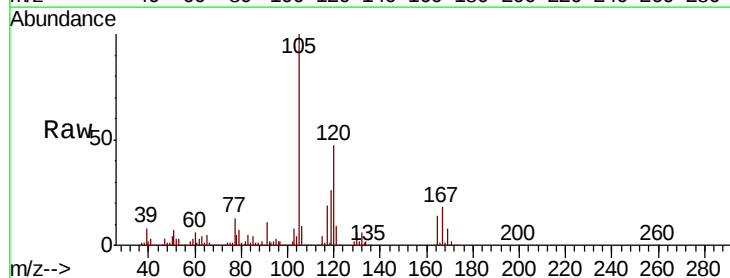
Acq: 18 Nov 2019 10:29

Tgt Ion:105 Resp: 1219473

Ion Ratio Lower Upper

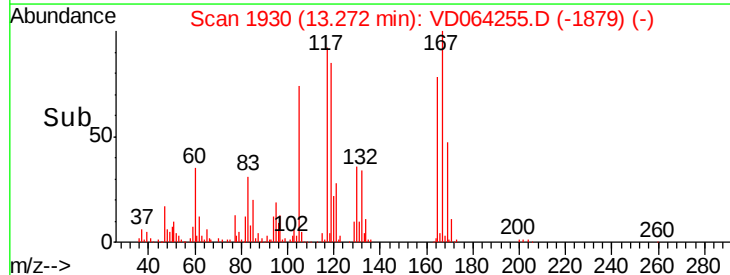
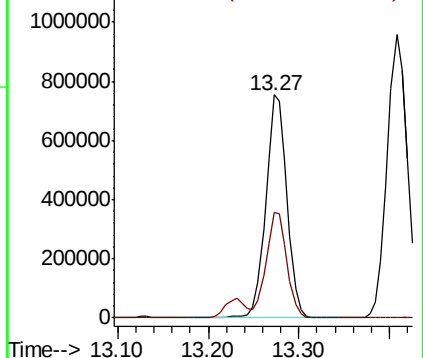
105 100

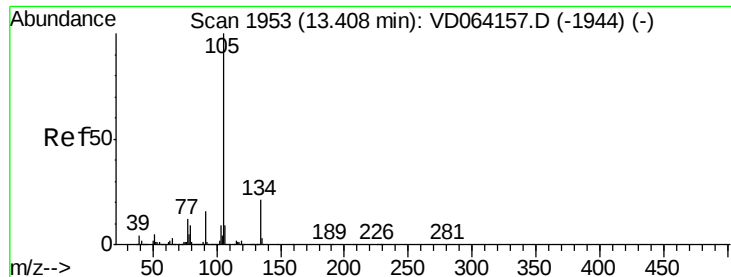
120 46.3 23.3 69.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 50.970 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. -0.00 min

Lab File: VD064255.D

Acq: 18 Nov 2019 10:29

Instrument :

MSVOA_D

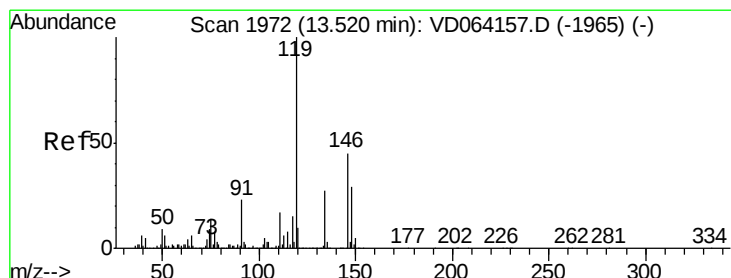
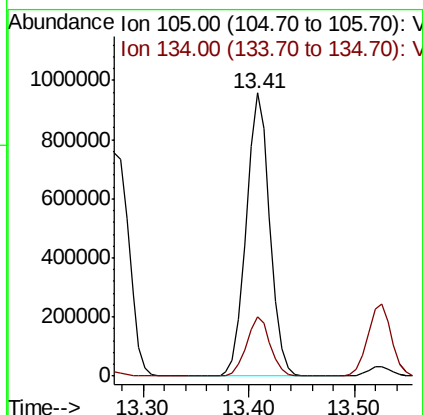
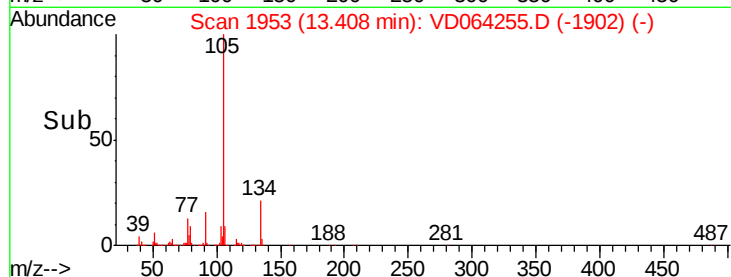
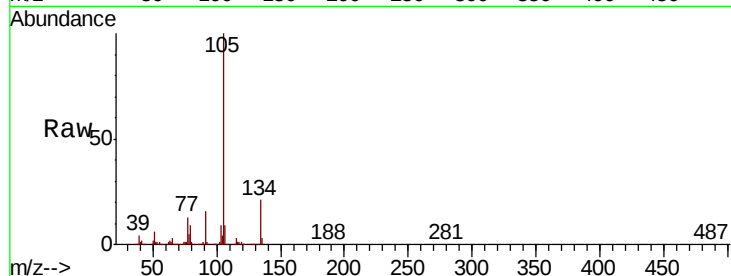
ClientSampleId :

Tot Ion:105 Resp: 1483787

Ion Ratio Lower Upper

105 100

134 21.1 10.7 31.9



#86

p-Isopropyltoluene

Concen: 50.674 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. 0.01 min

Lab File: VD064255.D

Acq: 18 Nov 2019 10:29

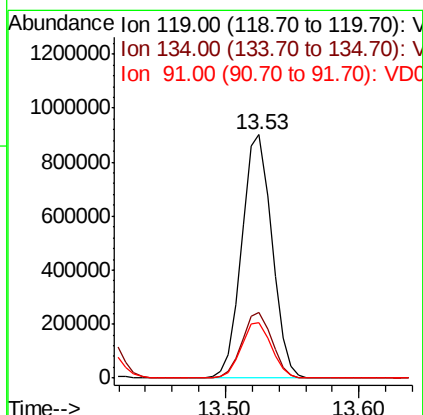
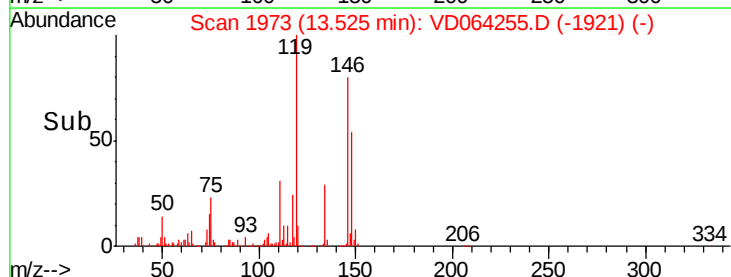
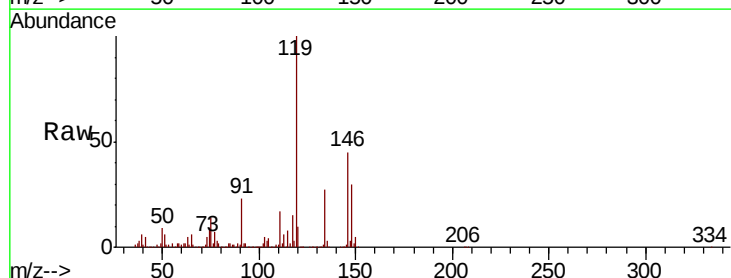
Tgt Ion:119 Resp: 1402445

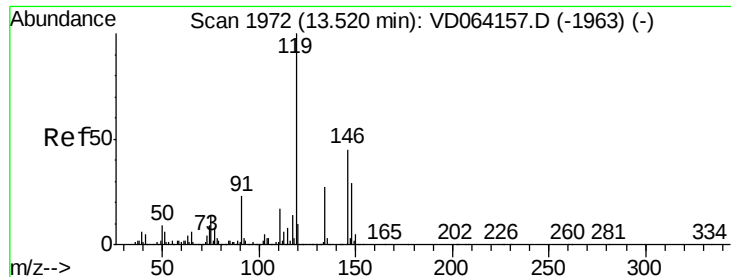
Ion Ratio Lower Upper

119 100

134 27.0 13.5 40.5

91 23.0 11.5 34.4





#87

1,3-Dichlorobenzene

Concen: 50.080 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. 0.01 min

Lab File: VD064255.D

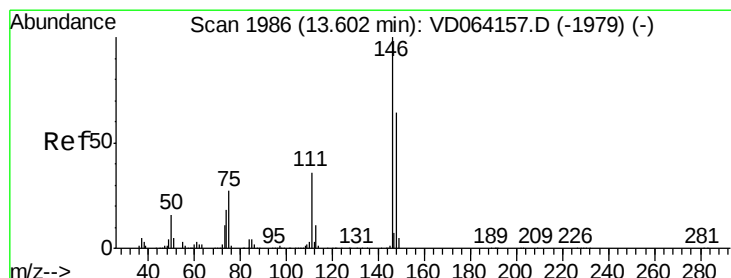
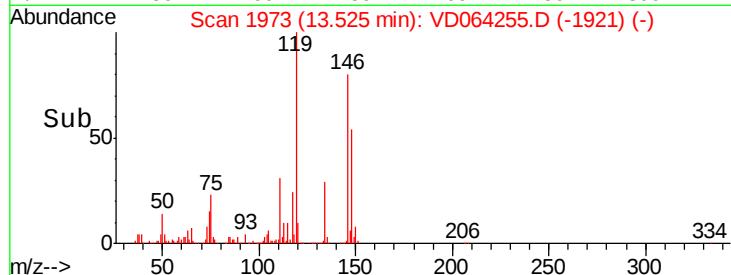
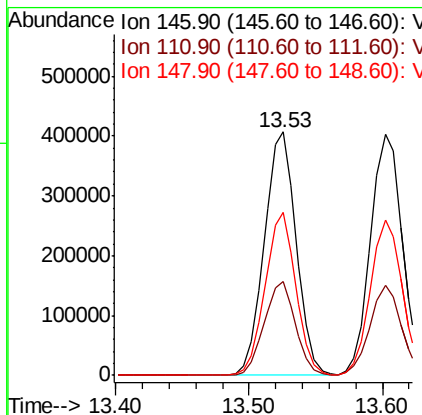
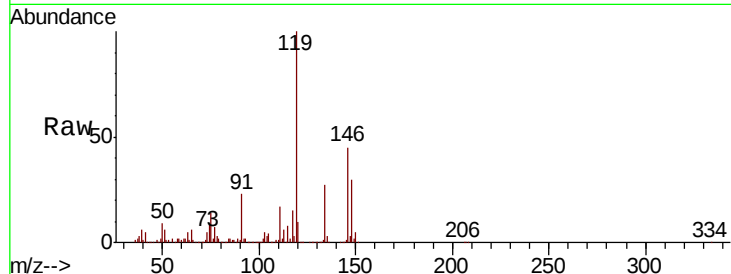
Acq: 18 Nov 2019 10:29

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion:	146	Resp:	675597
Ion	Ratio	Lower	Upper
146	100		
111	37.6	18.9	56.9
148	64.5	32.1	96.5



#88

1,4-Dichlorobenzene

Concen: 50.220 ug/l

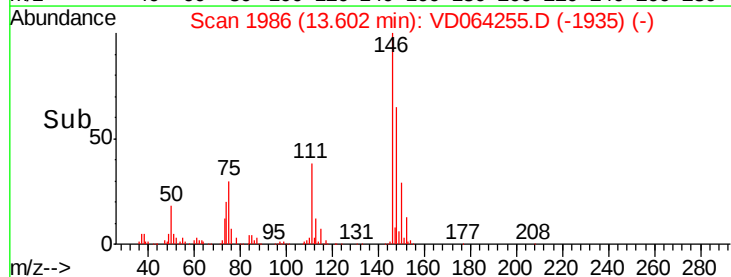
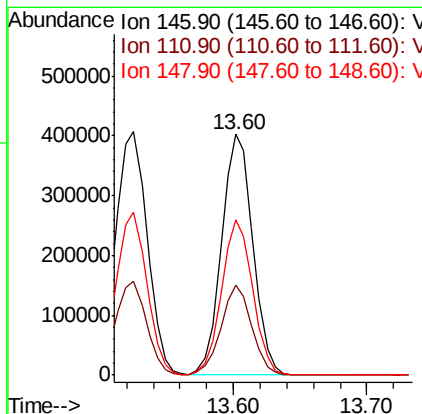
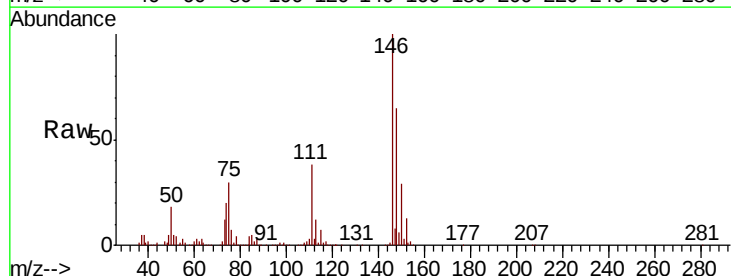
RT: 13.60 min Scan# 1986

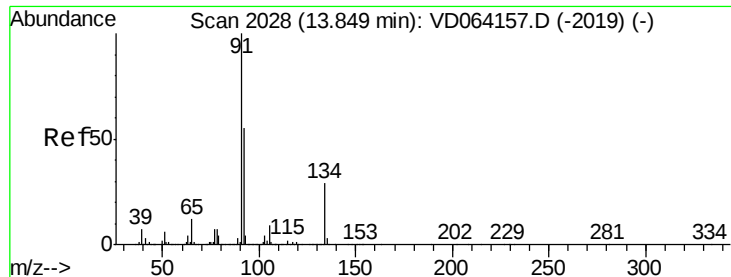
Delta R.T. -0.00 min

Lab File: VD064255.D

Acq: 18 Nov 2019 10:29

Tgt Ion:	146	Resp:	661222
Ion	Ratio	Lower	Upper
146	100		
111	36.9	18.1	54.4
148	64.2	31.9	95.7

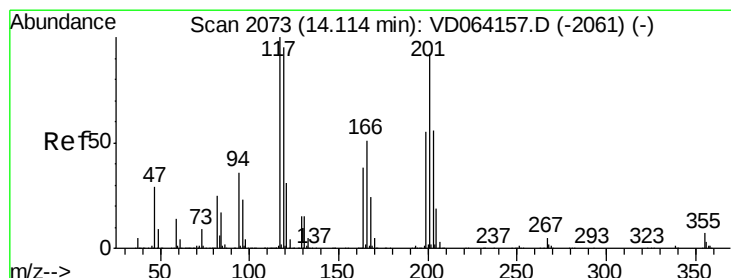
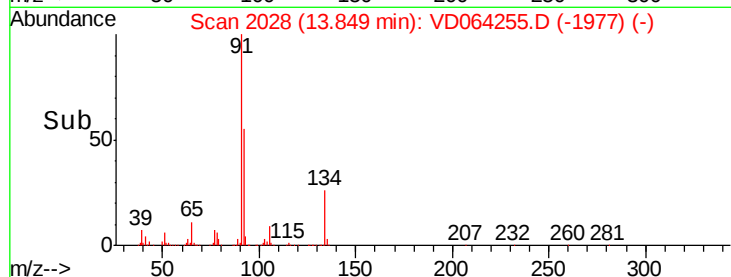
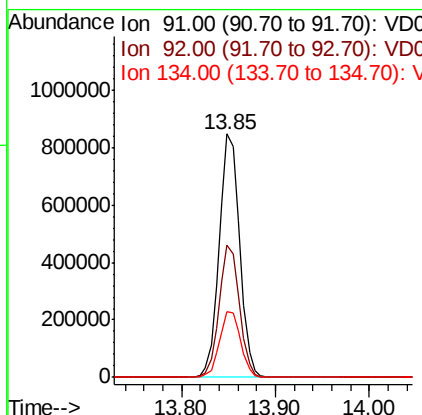
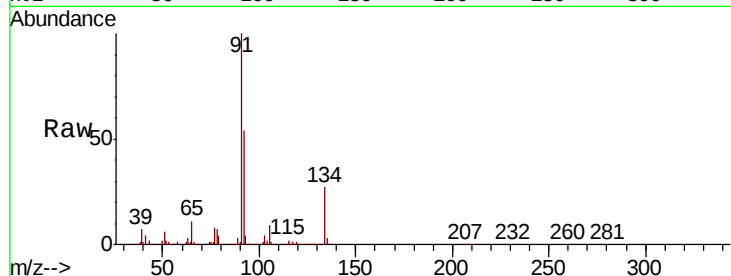




#89
n-Butylbenzene
Concen: 51.460 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. -0.00 min
Lab File: VD064255.D
Acq: 18 Nov 2019 10:29

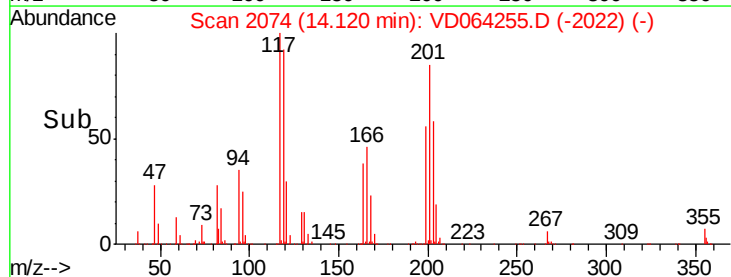
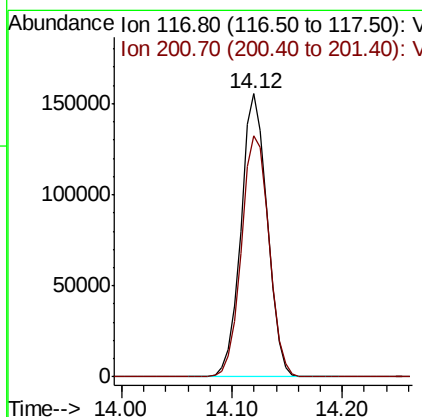
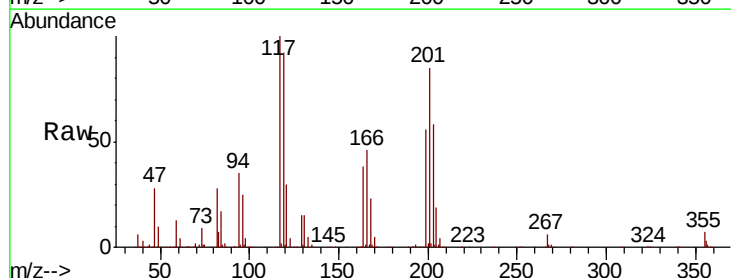
Instrument :
MSVOA_D
ClientSampled :

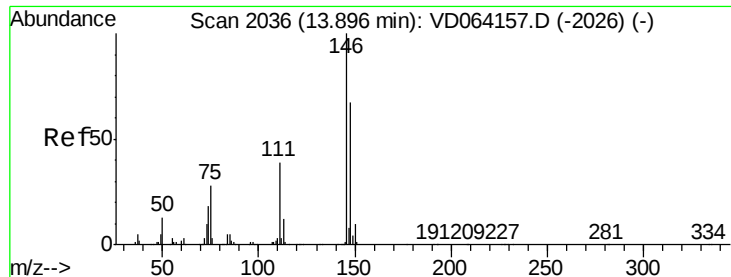
Tot Ion: 91 Resp: 1286684
Ion Ratio Lower Upper
91 100
92 53.9 27.3 81.8
134 27.7 14.1 42.4



#90
Hexachloroethane
Concen: 50.899 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.01 min
Lab File: VD064255.D
Acq: 18 Nov 2019 10:29

Tgt Ion: 117 Resp: 260335
Ion Ratio Lower Upper
117 100
201 89.5 45.8 137.4





#91

1,2-Dichlorobenzene

Concen: 50.559 ug/l

RT: 13.90 min Scan# 2036

Delta R.T. -0.00 min

Lab File: VD064255.D

Acq: 18 Nov 2019 10:29

Instrument :

MSVOA_D

ClientSampleId :

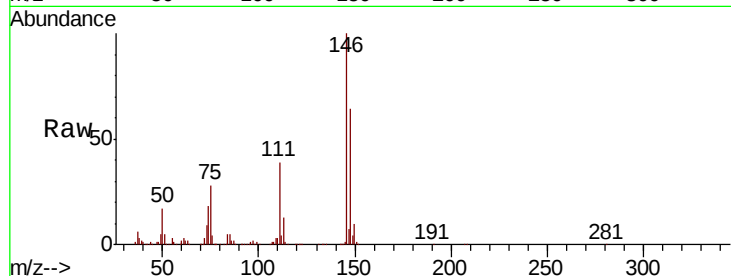
Tot Ion:146 Resp: 577304

Ion Ratio Lower Upper

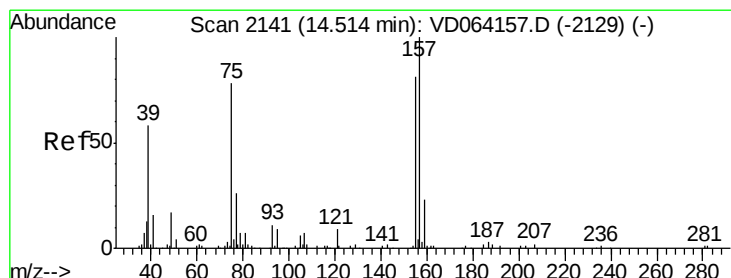
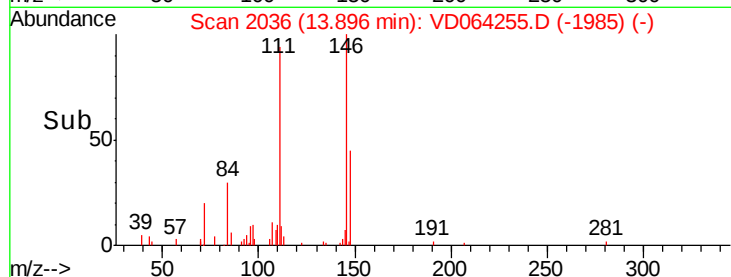
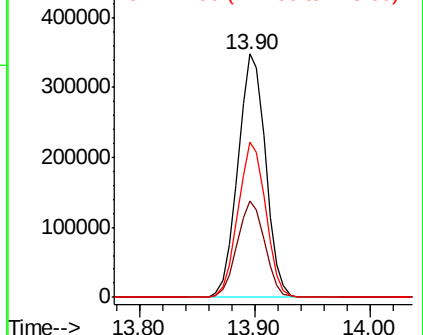
146 100

111 39.3 19.7 59.0

148 64.0 32.3 96.8



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 46.331 ug/l

RT: 14.51 min Scan# 2141

Delta R.T. -0.00 min

Lab File: VD064255.D

Acq: 18 Nov 2019 10:29

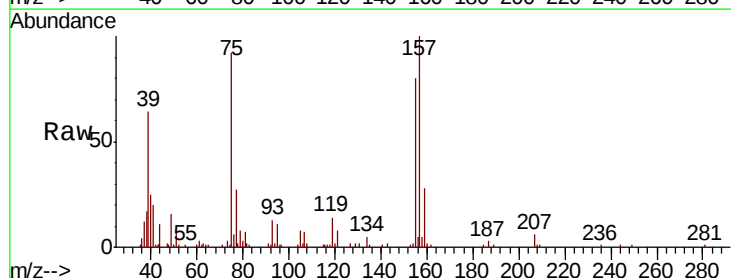
Tgt Ion: 75 Resp: 37339

Ion Ratio Lower Upper

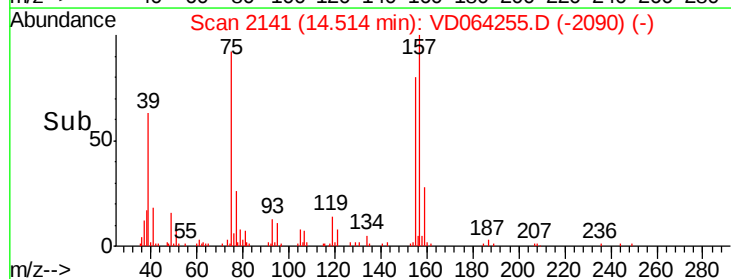
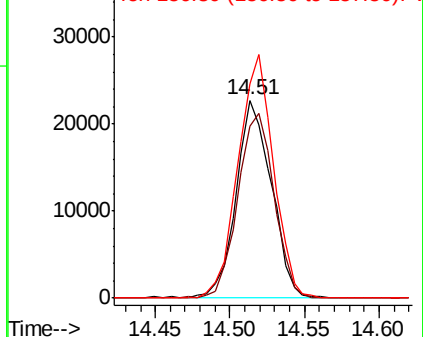
75 100

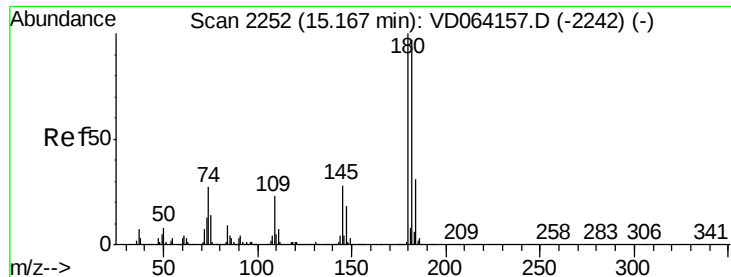
155 95.7 48.0 144.0

157 123.2 61.5 184.4



Abundance Ion 74.90 (74.60 to 75.60): V
Ion 154.80 (154.50 to 155.50): V
Ion 156.80 (156.50 to 157.50): V

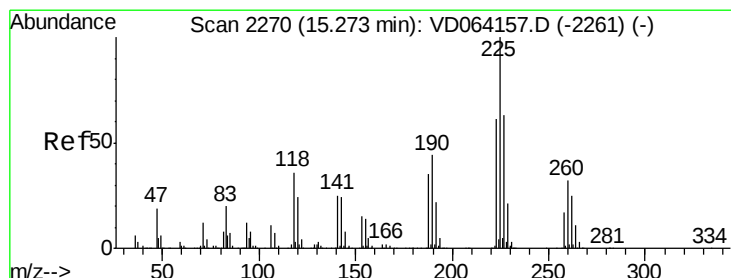
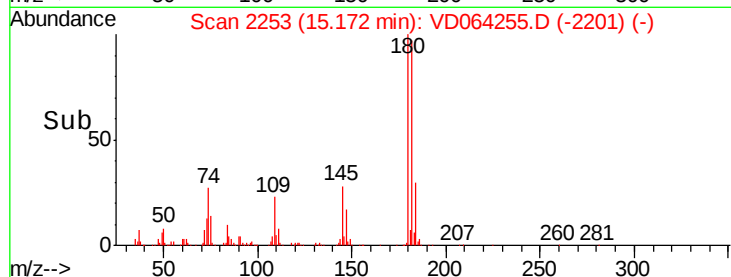
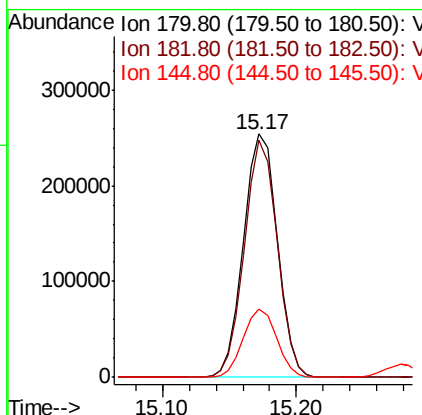
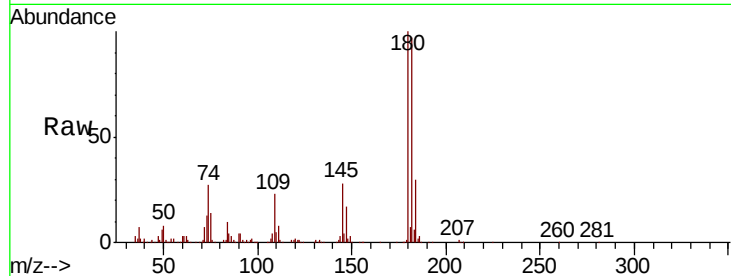




#93
 1,2,4-Trichlorobenzene
 Concen: 50.612 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. 0.01 min
 Lab File: VD064255.D
 Acq: 18 Nov 2019 10:29

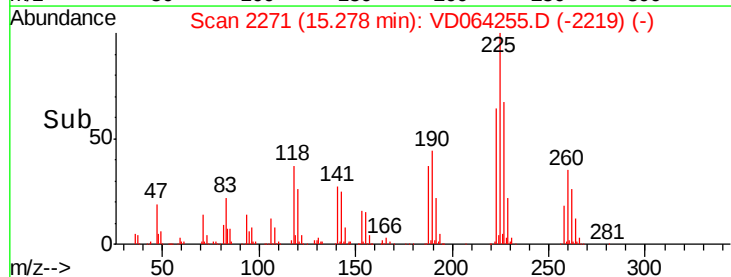
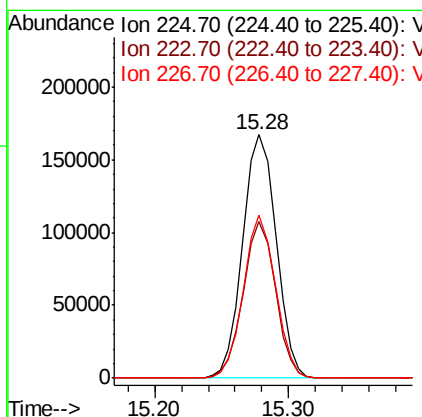
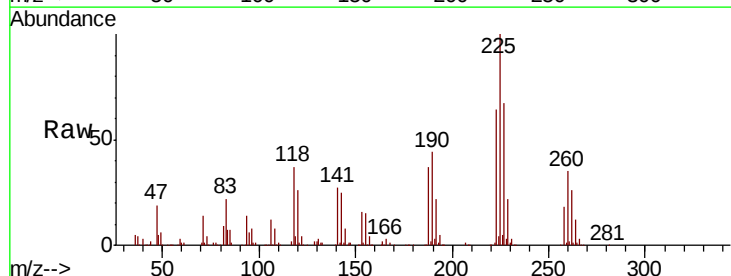
Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.3	47.5	142.5
145	28.0	14.2	42.6



#94
 Hexachlorobutadiene
 Concen: 51.036 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.01 min
 Lab File: VD064255.D
 Acq: 18 Nov 2019 10:29

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.9	31.1	93.3
227	64.0	31.5	94.5





#95

Naphthalene

Concen: 48.801 ug/l

RT: 15.41 min Scan# 2294

Delta R.T. 0.01 min

Lab File: VD064255.D

Acq: 18 Nov 2019 10:29

Instrument :

MSVOA_D

ClientSampleId :

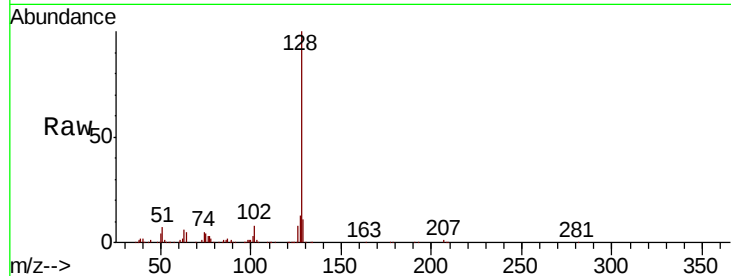
Tot Ion:128 Resp: 704631

Ion Ratio Lower Upper

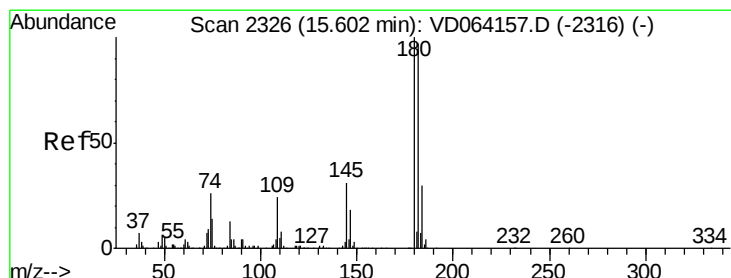
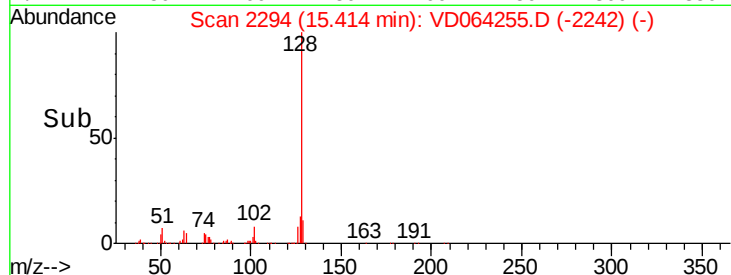
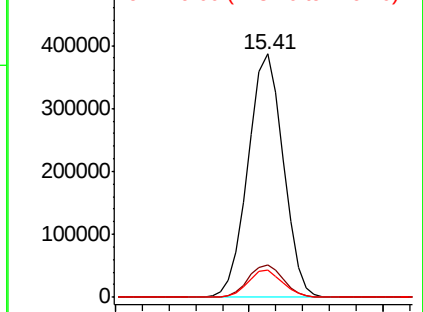
128 100

127 13.3 10.5 15.7

129 11.0 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



#96

1,2,3-Trichlorobenzene

Concen: 50.071 ug/l

RT: 15.61 min Scan# 2327

Delta R.T. 0.01 min

Lab File: VD064255.D

Acq: 18 Nov 2019 10:29

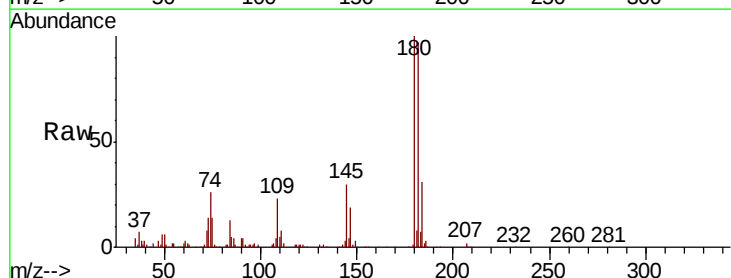
Tgt Ion:180 Resp: 374899

Ion Ratio Lower Upper

180 100

182 94.1 48.3 144.9

145 29.9 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

