

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD112219\
 Data File : VD064342.D
 Acq On : 22 Nov 2019 12:41
 Operator : VA/SY
 Sample : VD1122SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Nov 23 00:46:05 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	502591	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	709402	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	624360	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	304937	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	200146	48.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.84%	
35) Dibromofluoromethane	7.92	113	206935	50.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.64%	
50) Toluene-d8	10.34	98	761874	49.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.20%	
62) 4-Bromofluorobenzene	12.64	95	254250	47.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.58%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	79127	18.983	ug/l	99
3) Chloromethane	2.21	50	96050	21.483	ug/l	97
4) Vinyl Chloride	2.35	62	121358	25.382	ug/l	99
5) Bromomethane	2.76	94	86339	28.597	ug/l	96
6) Chloroethane	2.91	64	81647	26.725	ug/l	92
7) Trichlorofluoromethane	3.27	101	210915	27.209	ug/l	99
8) Diethyl Ether	3.70	74	45021	21.122	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.08	101	97152	21.927	ug/l	98
10) Methyl Iodide	4.29	142	90927	19.279	ug/l	98
11) Tert butyl alcohol	5.26	59	31073	107.628	ug/l	100
12) 1,1-Dichloroethene	4.06	96	88677	20.998	ug/l	96
13) Acrolein	3.92	56	18119	74.185	ug/l	92
14) Allyl chloride	4.71	41	140936	18.875	ug/l	94
15) Acrylonitrile	5.43	53	100797	110.929	ug/l	99
16) Acetone	4.17	43	85331	87.141	ug/l	96
17) Carbon Disulfide	4.40	76	251116	19.094	ug/l	99
18) Methyl Acetate	4.73	43	57450	21.005	ug/l	98
19) Methyl tert-butyl Ether	5.48	73	206845	20.517	ug/l	97
20) Methylene Chloride	4.96	84	100209	20.259	ug/l	93
21) trans-1,2-Dichloroethene	5.47	96	97323	20.340	ug/l	94
22) Diisopropyl ether	6.37	45	274257	19.796	ug/l	97
23) Vinyl Acetate	6.31	43	806806	104.472	ug/l	99
24) 1,1-Dichloroethane	6.27	63	167145	20.778	ug/l	98
25) 2-Butanone	7.23	43	129802	102.601	ug/l	99
26) 2,2-Dichloropropane	7.21	77	153398	19.445	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	111255	21.683	ug/l	93
28) Bromochloromethane	7.55	49	47543	16.976	ug/l	98
29) Tetrahydrofuran	7.58	42	83414	109.740	ug/l	97
30) Chloroform	7.71	83	183674	22.322	ug/l	97
31) Cyclohexane	7.98	56	156263	19.261	ug/l	91
32) 1,1,1-Trichloroethane	7.90	97	164843	20.922	ug/l	99
36) 1,1-Dichloropropene	8.11	75	135165	20.645	ug/l	99
37) Ethyl Acetate	7.30	43	60780	22.021	ug/l	97
38) Carbon Tetrachloride	8.10	117	149007	21.270	ug/l	94

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Quant Time: Nov 23 00:46:05 2019
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 Quant Title : SW846 8260
 QLast Update : Tue Nov 12 02:43:24 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	169330	20.439	ug/l	96
40) Benzene	8.35	78	375108	20.963	ug/l	98
41) Methacrylonitrile	7.53	41	37660	21.709	ug/l #	86
42) 1,2-Dichloroethane	8.43	62	110085	20.484	ug/l	98
43) Isopropyl Acetate	8.46	43	120496	21.188	ug/l	100
44) Trichloroethene	9.11	130	116362	21.667	ug/l	99
45) 1,2-Dichloropropane	9.39	63	91334	20.971	ug/l	97
46) Dibromomethane	9.48	93	49867	21.387	ug/l	95
47) Bromodichloromethane	9.67	83	131003	20.859	ug/l	99
48) Methyl methacrylate	9.46	41	55138	19.828	ug/l	94
49) 1,4-Dioxane	9.47	88	13118	468.458	ug/l	92
51) 4-Methyl-2-Pentanone	10.23	43	293413	107.589	ug/l	99
52) Toluene	10.41	92	248433	21.114	ug/l	100
53) t-1,3-Dichloropropene	10.63	75	127588	20.278	ug/l	99
54) cis-1,3-Dichloropropene	10.09	75	149719	20.391	ug/l	97
55) 1,1,2-Trichloroethane	10.80	97	71292	22.539	ug/l	97
56) Ethyl methacrylate	10.67	69	92204	20.839	ug/l	96
57) 1,3-Dichloropropane	10.95	76	122874	22.275	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.94	63	188164	104.985	ug/l	97
59) 2-Hexanone	10.99	43	198162	102.134	ug/l	98
60) Dibromochloromethane	11.14	129	95715	21.687	ug/l	99
61) 1,2-Dibromoethane	11.25	107	69928	22.073	ug/l	100
64) Tetrachloroethene	10.88	164	99911	20.807	ug/l	97
65) Chlorobenzene	11.67	112	265101	20.880	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.75	131	101381	21.000	ug/l	99
67) Ethyl Benzene	11.75	91	471804	20.544	ug/l	99
68) m/p-Xylenes	11.86	106	361250	41.038	ug/l	98
69) o-Xylene	12.18	106	168919	20.691	ug/l	98
70) Styrene	12.20	104	291026	20.422	ug/l	98
71) Bromoform	12.37	173	58555	21.312	ug/l #	100
73) Isopropylbenzene	12.48	105	461303	20.610	ug/l	99
74) N-amyl acetate	12.30	43	105263	19.915	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.74	83	79244	23.496	ug/l	96
76) 1,2,3-Trichloropropane	12.79	75	98596	40.142	ug/l #	100
77) Bromobenzene	12.77	156	117408	21.592	ug/l	96
78) n-propylbenzene	12.83	91	535360	20.935	ug/l	100
79) 2-Chlorotoluene	12.91	91	290207	20.101	ug/l	97
80) 1,3,5-Trimethylbenzene	12.97	105	376488	20.471	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	24111	19.499	ug/l	98
82) 4-Chlorotoluene	13.01	91	303627	20.163	ug/l	100
83) tert-Butylbenzene	13.23	119	330945	20.407	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	381754	21.025	ug/l	97
85) sec-Butylbenzene	13.41	105	449635	20.643	ug/l	100
86) p-Isopropyltoluene	13.53	119	416651	20.121	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	213857	21.187	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	209981	21.315	ug/l	98
89) n-Butylbenzene	13.85	91	384497	20.553	ug/l	100
90) Hexachloroethane	14.13	117	77747	20.316	ug/l	97
91) 1,2-Dichlorobenzene	13.90	146	184795	21.630	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.52	75	12808	21.240	ug/l	95

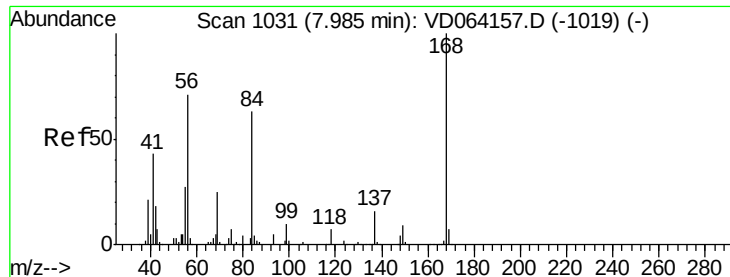
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Quant Title : SW846 8260
QLast Update : Tue Nov 12 02:43:24 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.18	180	138981	21.088	ug/l	100
94) Hexachlorobutadiene	15.28	225	89160	20.945	ug/l	99
95) Naphthalene	15.41	128	237851	22.016	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	123139	21.981	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD064342.D

Acq: 22 Nov 2019 12:41

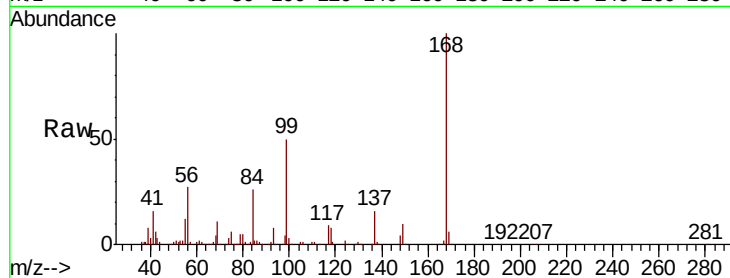
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 502591

Ion Ratio Lower Upper

168 100

99 49.4 41.6 62.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

250000

200000

150000

100000

50000

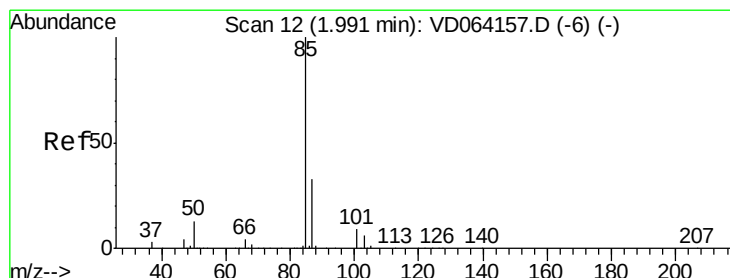
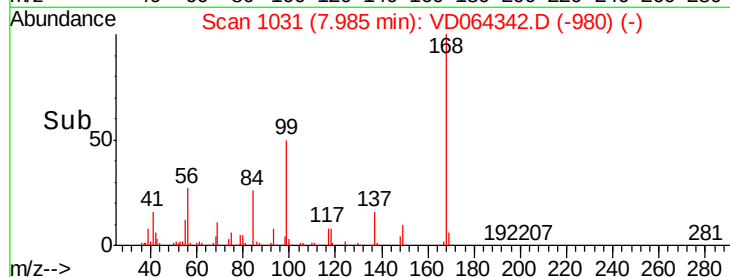
0

7.90

8.00

8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 18.983 ug/l

RT: 1.99 min Scan# 12

Delta R.T. -0.00 min

Lab File: VD064342.D

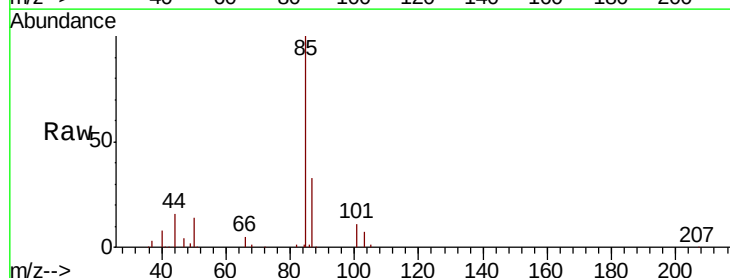
Acq: 22 Nov 2019 12:41

Tgt Ion: 85 Resp: 79127

Ion Ratio Lower Upper

85 100

87 33.3 16.4 49.2



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

60000

50000

40000

30000

20000

10000

0

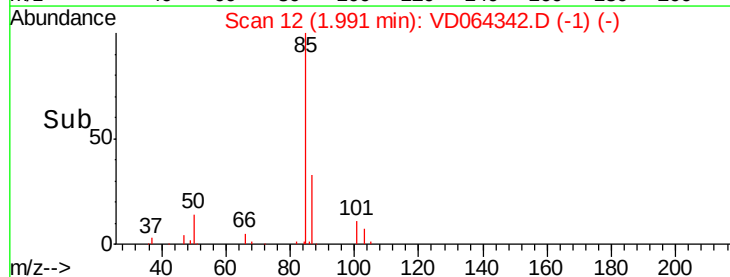
1.90

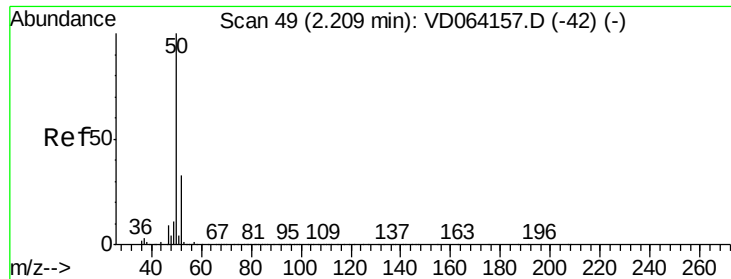
1.95

2.00

2.05

Time-->





#3

Chloromethane

Concen: 21.483 ug/l

RT: 2.21 min Scan# 49

Delta R.T. -0.00 min

Lab File: VD064342.D

Acq: 22 Nov 2019 12:41

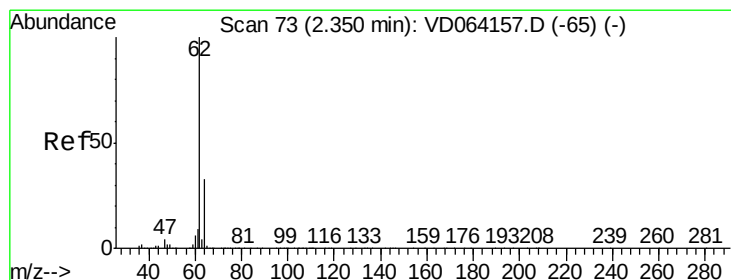
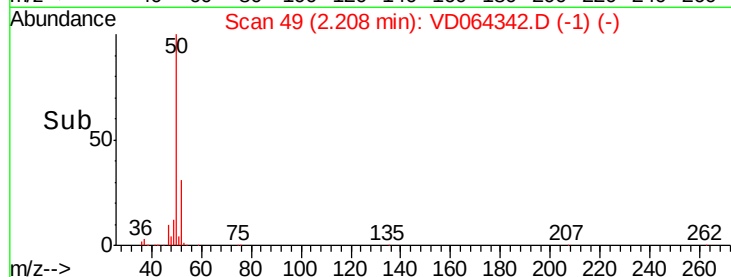
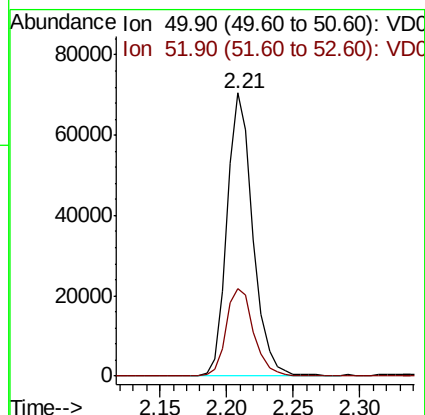
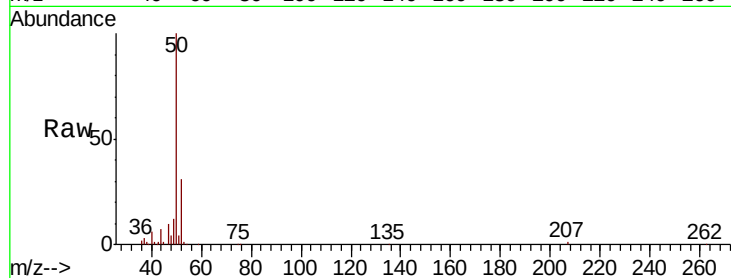
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 50 Resp: 96050

Ion Ratio Lower Upper

50 100

52 31.1 26.2 39.4



#4

Vinyl Chloride

Concen: 25.382 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD064342.D

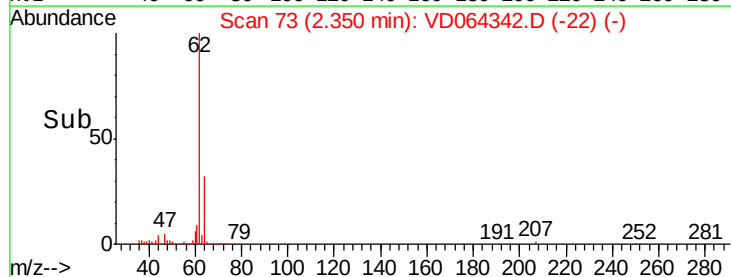
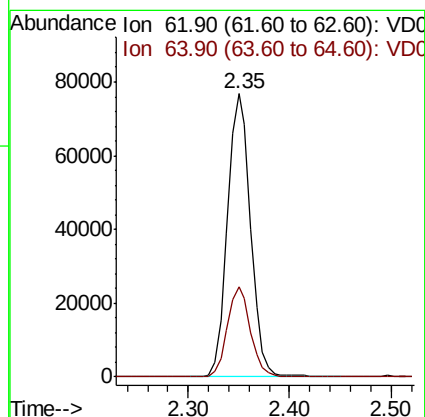
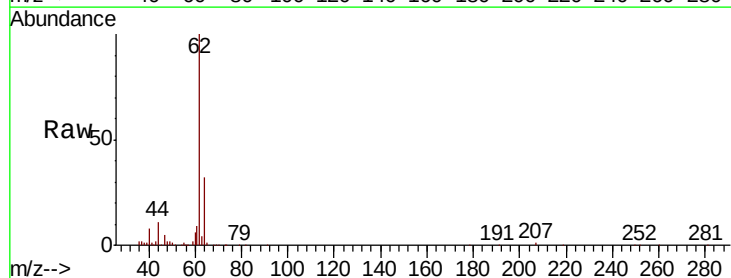
Acq: 22 Nov 2019 12:41

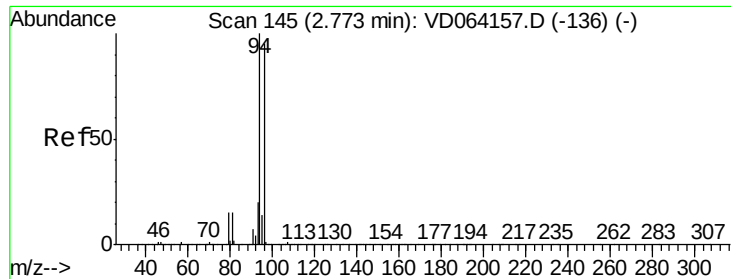
Tgt Ion: 62 Resp: 121358

Ion Ratio Lower Upper

62 100

64 32.0 26.2 39.2





#5

Bromomethane

Concen: 28.597 ug/l

RT: 2.76 min Scan# 142

Delta R.T. -0.02 min

Lab File: VD064342.D

Acq: 22 Nov 2019 12:41

Instrument :

MSVOA_D

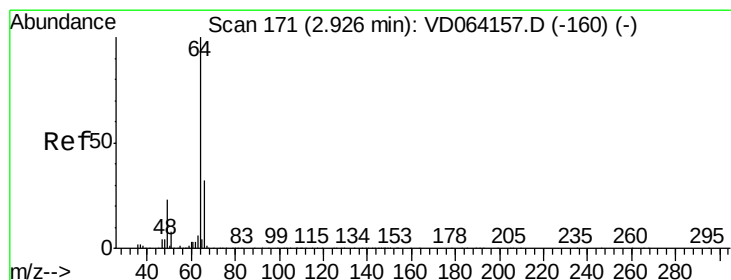
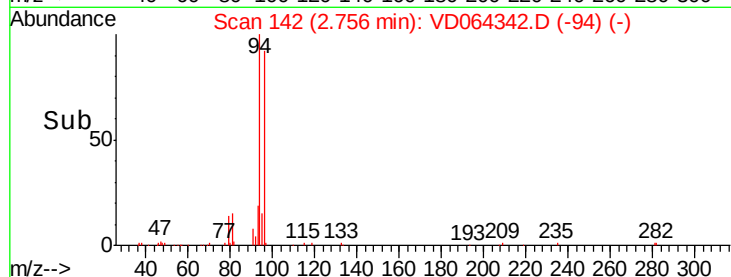
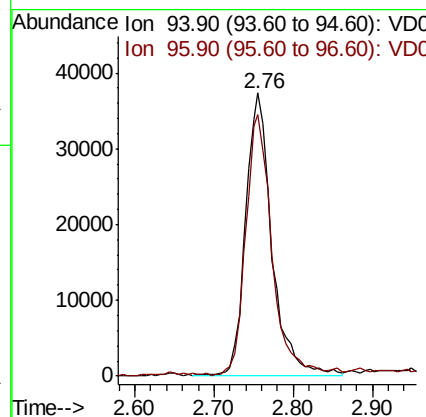
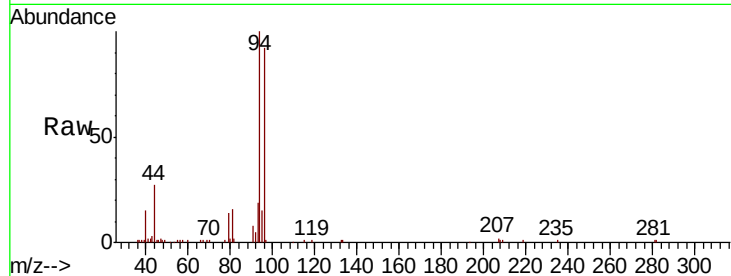
ClientSampleId :

Tot Ion: 94 Resp: 86339

Ion Ratio Lower Upper

94 100

96 91.2 76.2 114.4



#6

Chloroethane

Concen: 26.725 ug/l

RT: 2.91 min Scan# 169

Delta R.T. -0.01 min

Lab File: VD064342.D

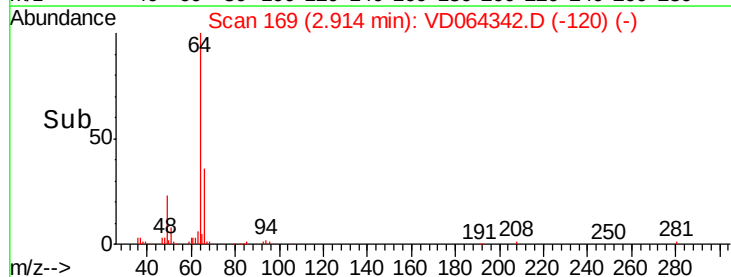
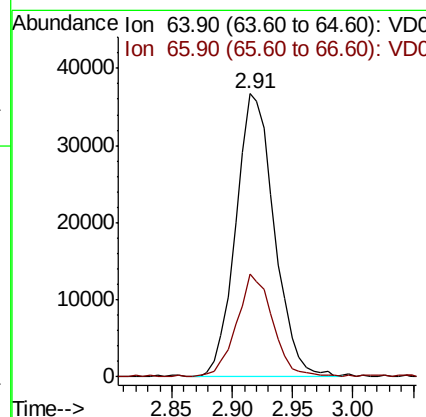
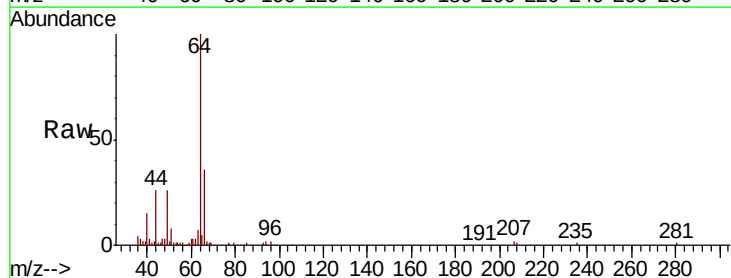
Acq: 22 Nov 2019 12:41

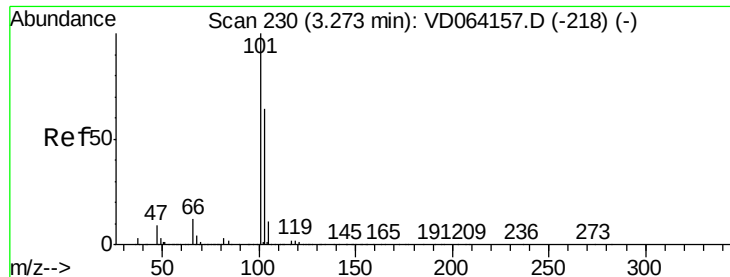
Tgt Ion: 64 Resp: 81647

Ion Ratio Lower Upper

64 100

66 36.2 25.5 38.3



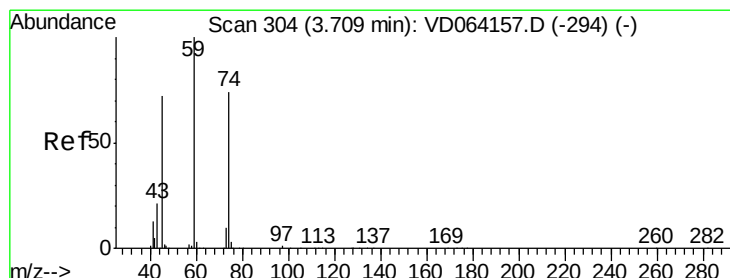
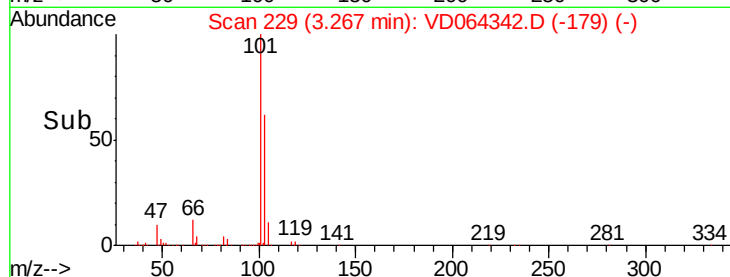
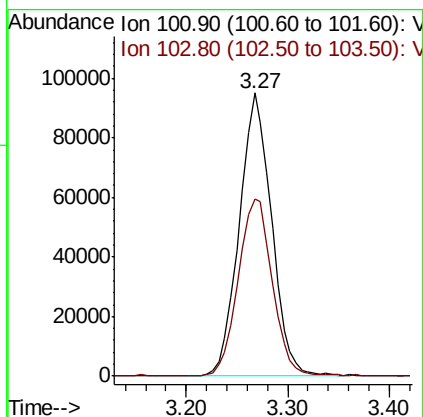
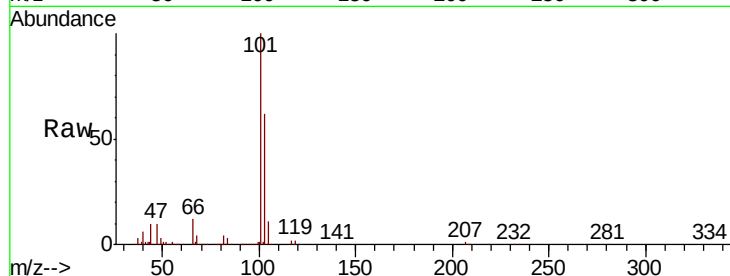


#7

Trichlorofluoromethane
Concen: 27.209 ug/l
RT: 3.27 min Scan# 229
Delta R.T. -0.01 min
Lab File: VD064342.D
Acq: 22 Nov 2019 12:41

Instrument :
MSVOA_D
ClientSampleId :

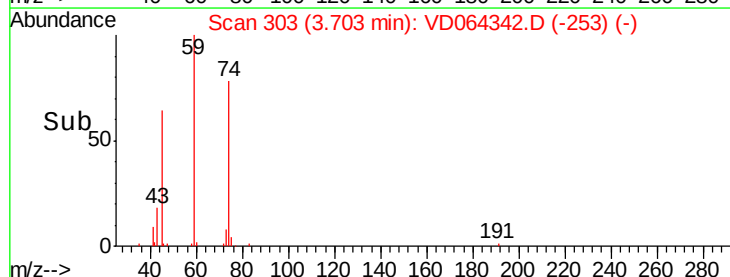
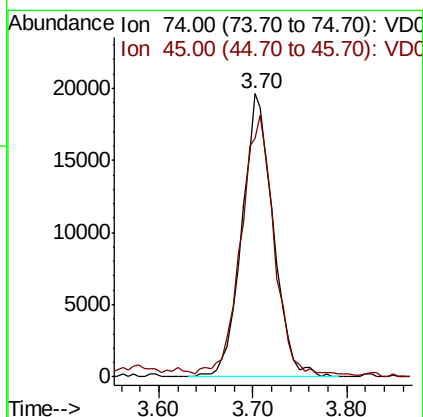
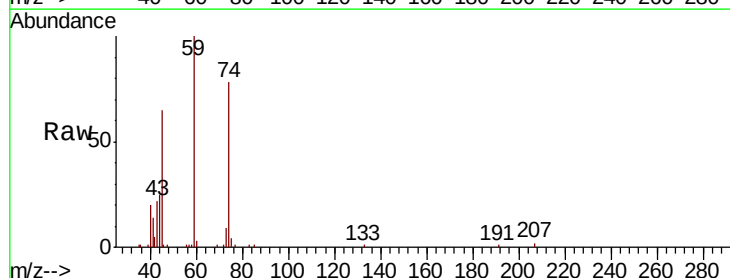
Tot Ion:101 Resp: 210915
Ion Ratio Lower Upper
101 100
103 62.4 50.8 76.2

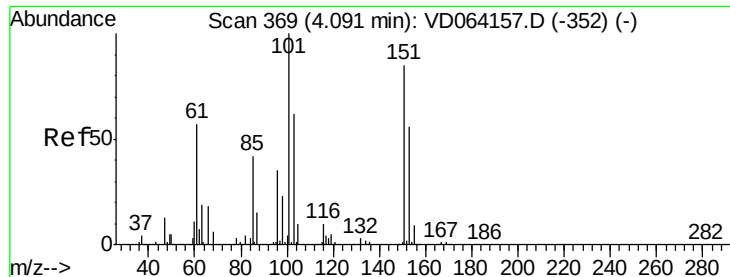


#8

Diethyl Ether
Concen: 21.122 ug/l
RT: 3.70 min Scan# 303
Delta R.T. -0.01 min
Lab File: VD064342.D
Acq: 22 Nov 2019 12:41

Tgt Ion: 74 Resp: 45021
Ion Ratio Lower Upper
74 100
45 96.1 47.9 143.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.927 ug/l

RT: 4.08 min Scan# 368

Delta R.T. -0.01 min

Lab File: VD064342.D

Acq: 22 Nov 2019 12:41

Instrument :

MSVOA_D

ClientSampleId :

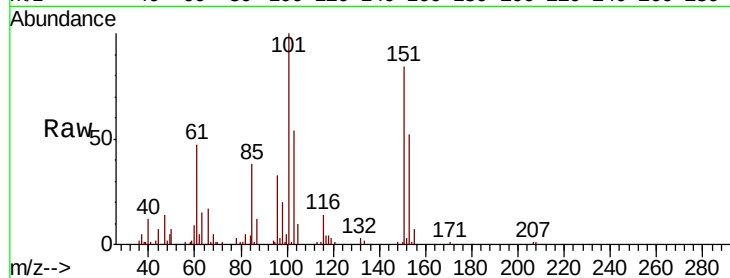
Tot Ion:101 Resp: 97152

Ion Ratio Lower Upper

101 100

85 43.7 34.4 51.6

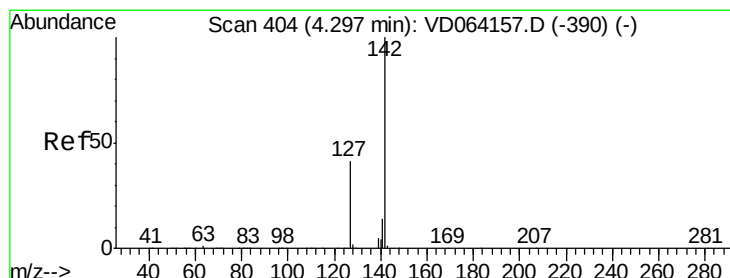
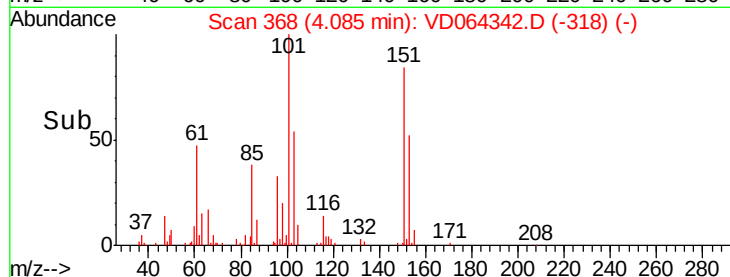
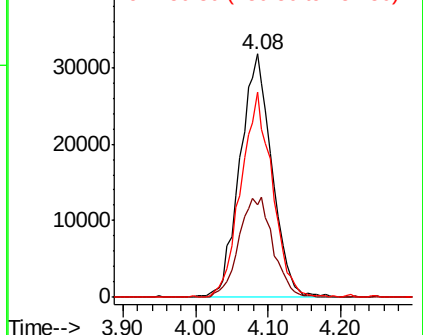
151 82.7 68.1 102.1



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 19.279 ug/l

RT: 4.29 min Scan# 403

Delta R.T. -0.01 min

Lab File: VD064342.D

Acq: 22 Nov 2019 12:41

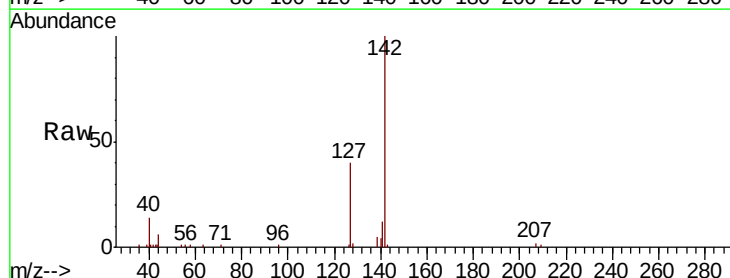
Tgt Ion:142 Resp: 90927

Ion Ratio Lower Upper

142 100

127 44.1 34.4 51.6

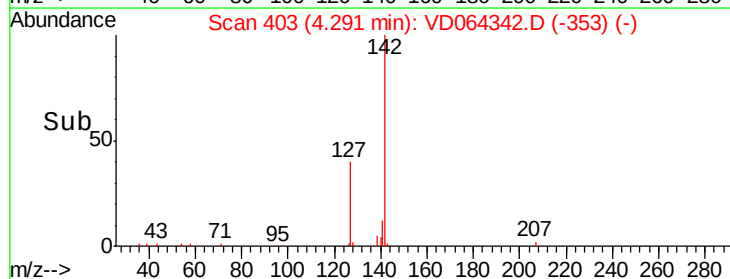
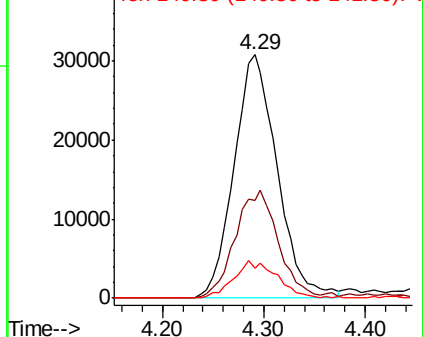
141 15.2 11.2 16.8

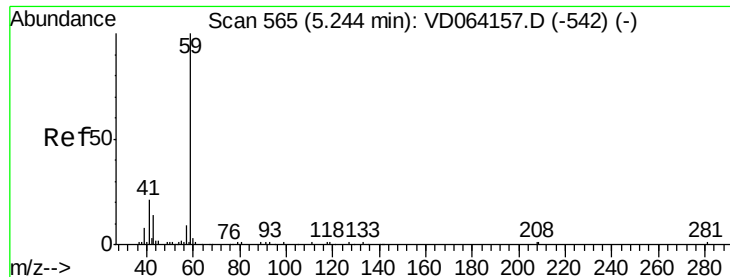


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



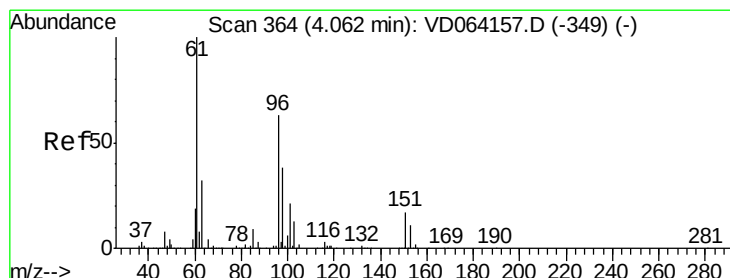
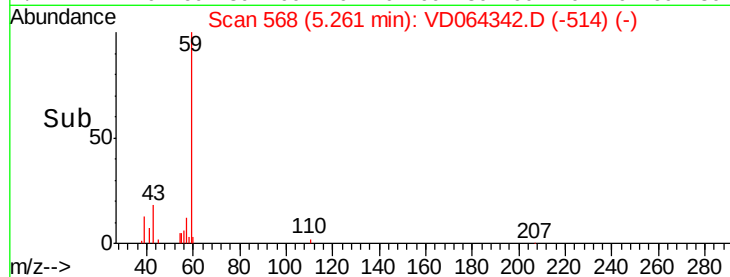
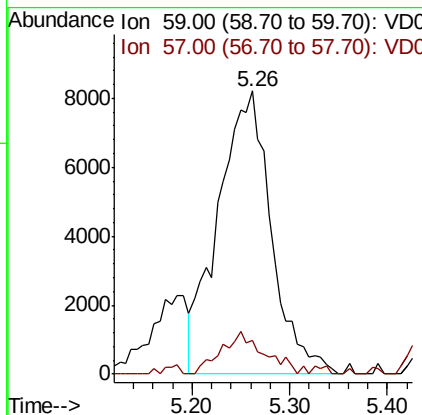
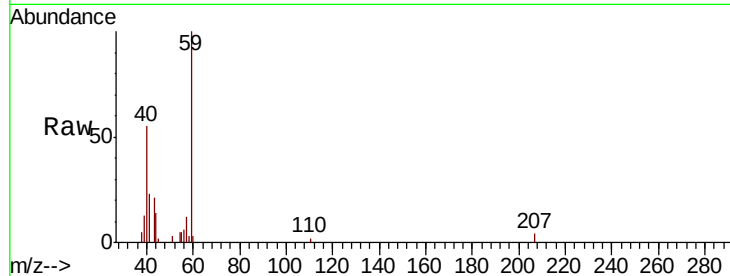


#11

Tert butyl alcohol
Concen: 107.628 ug/l
RT: 5.26 min Scan# 568
Delta R.T. 0.02 min
Lab File: VD064342.D
Acq: 22 Nov 2019 12:41

Instrument :
MSVOA_D
ClientSampleId :

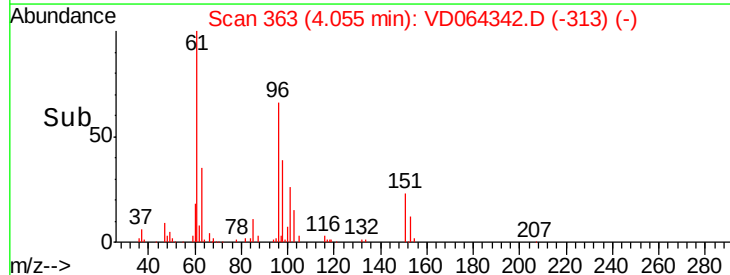
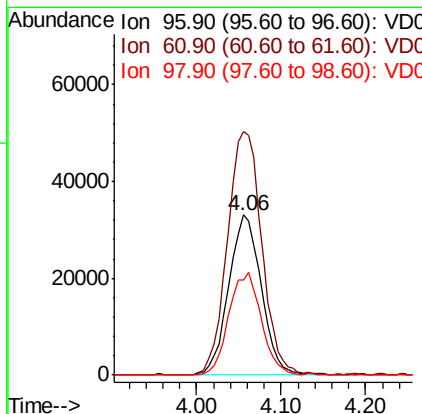
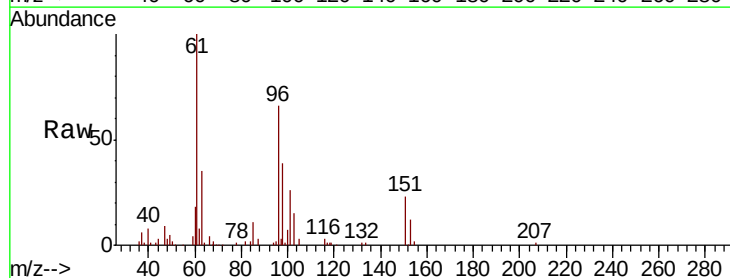
Tot Ion: 59 Resp: 31073
Ion Ratio Lower Upper
59 100
57 12.0 9.4 14.2

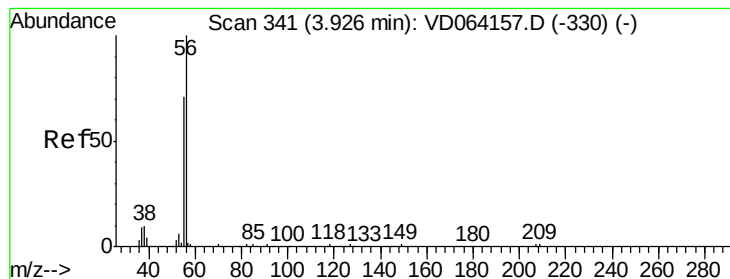


#12

1,1-Dichloroethene
Concen: 20.998 ug/l
RT: 4.06 min Scan# 363
Delta R.T. -0.01 min
Lab File: VD064342.D
Acq: 22 Nov 2019 12:41

Tgt Ion: 96 Resp: 88677
Ion Ratio Lower Upper
96 100
61 151.9 127.4 191.2
98 59.4 48.1 72.1





#13

Acrolein

Concen: 74.185 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.01 min

Lab File: VD064342.D

Acq: 22 Nov 2019 12:41

Instrument :

MSVOA_D

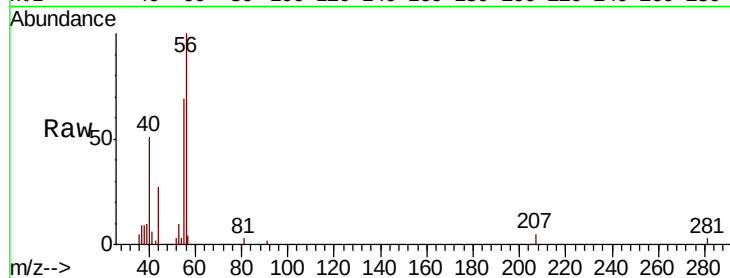
ClientSampleId :

Tot Ion: 56 Resp: 18119

Ion Ratio Lower Upper

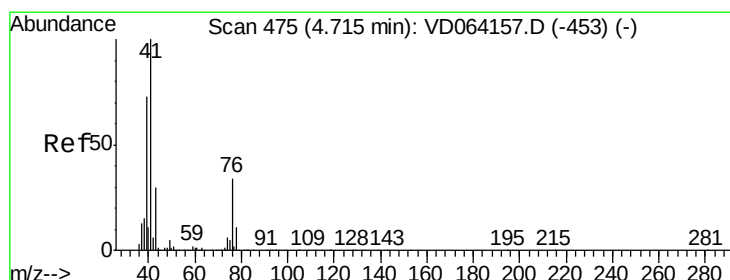
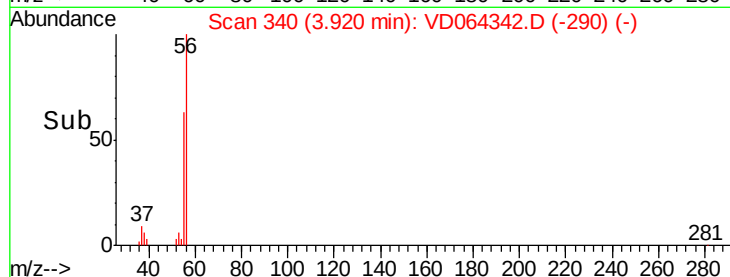
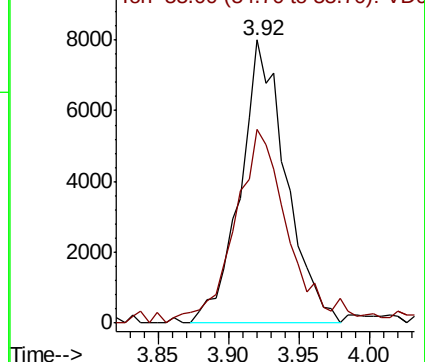
56 100

55 77.0 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: 18.875 ug/l

RT: 4.71 min Scan# 474

Delta R.T. -0.01 min

Lab File: VD064342.D

Acq: 22 Nov 2019 12:41

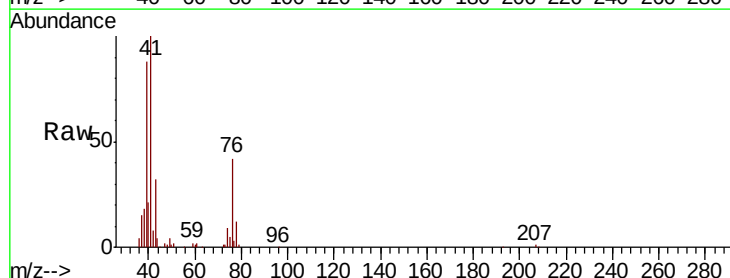
Tgt Ion: 41 Resp: 140936

Ion Ratio Lower Upper

41 100

39 76.8 57.5 86.3

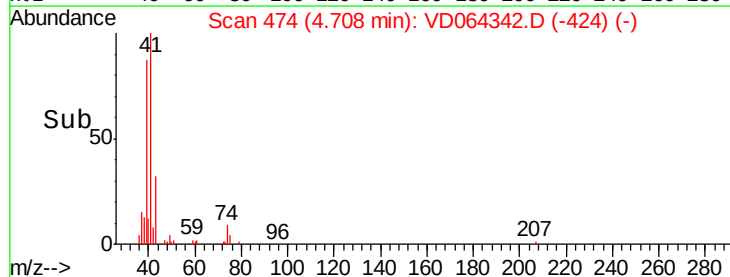
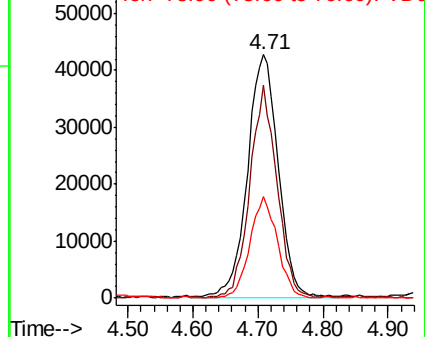
76 37.0 26.8 40.2

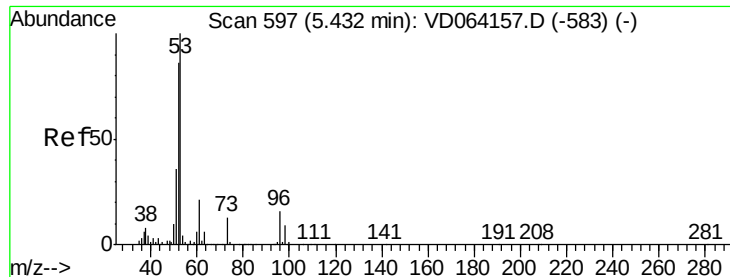


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC





#15

Acrylonitrile

Concen: 110.929 ug/l

RT: 5.43 min Scan# 597

Delta R.T. -0.00 min

Lab File: VD064342.D

Acq: 22 Nov 2019 12:41

Instrument :

MSVOA_D

ClientSampleId :

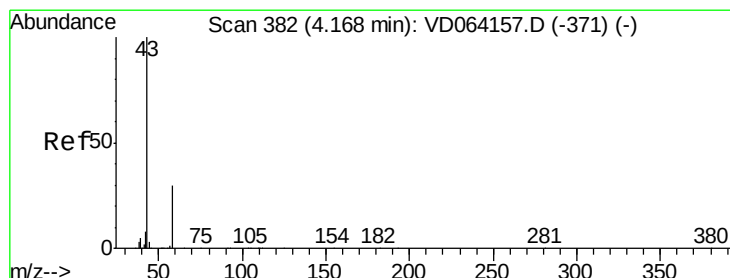
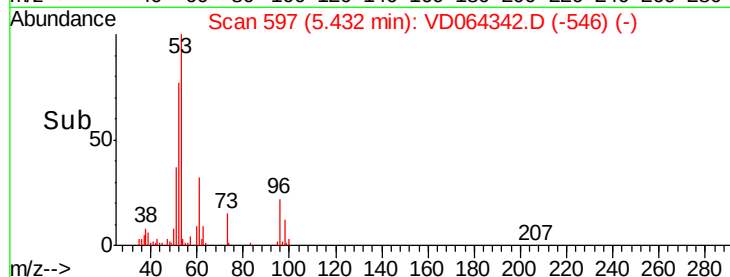
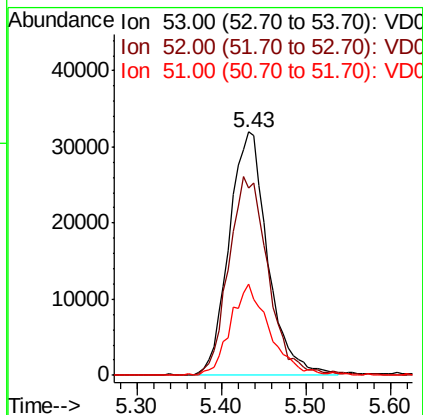
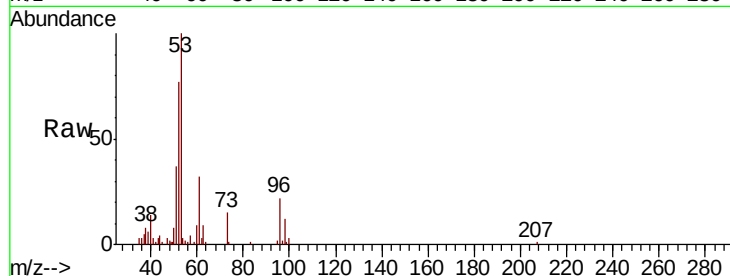
Tot Ion: 53 Resp: 100797

Ion Ratio Lower Upper

53 100

52 83.0 66.7 100.1

51 37.8 30.6 46.0



#16

Acetone

Concen: 87.141 ug/l

RT: 4.17 min Scan# 382

Delta R.T. -0.00 min

Lab File: VD064342.D

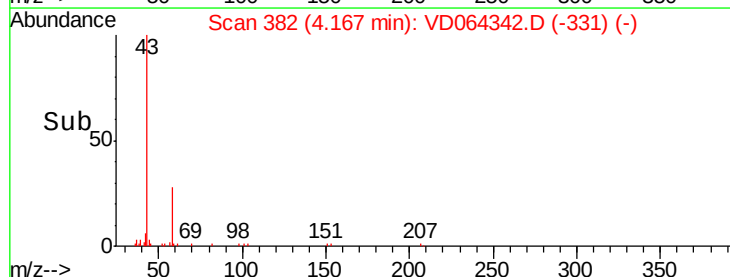
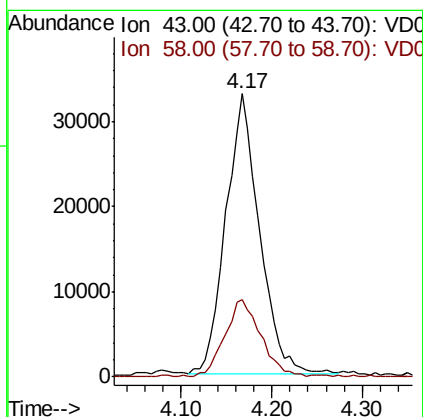
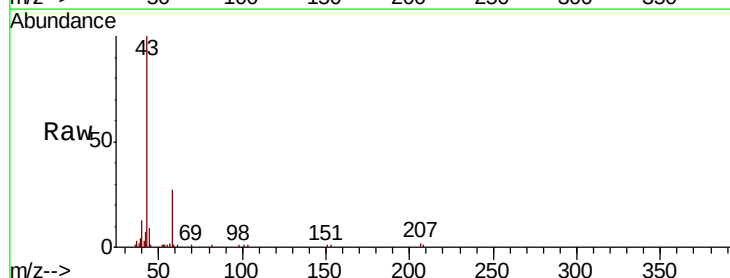
Acq: 22 Nov 2019 12:41

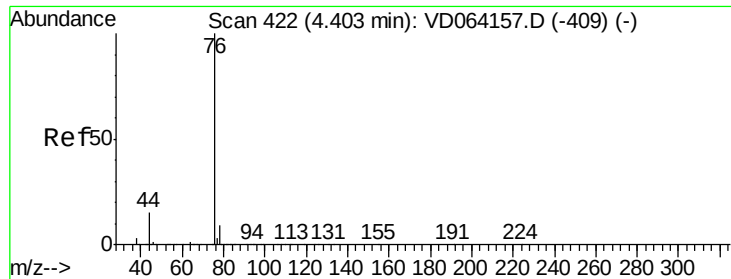
Tgt Ion: 43 Resp: 85331

Ion Ratio Lower Upper

43 100

58 27.7 24.1 36.1





#17

Carbon Disulfide

Concen: 19.094 ug/l

RT: 4.40 min Scan# 421

Delta R.T. -0.01 min

Lab File: VD064342.D

Acq: 22 Nov 2019 12:41

Instrument :

MSVOA_D

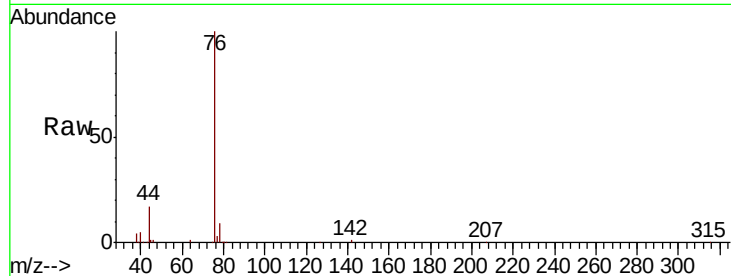
ClientSampleId :

Tot Ion: 76 Resp: 251116

Ion Ratio Lower Upper

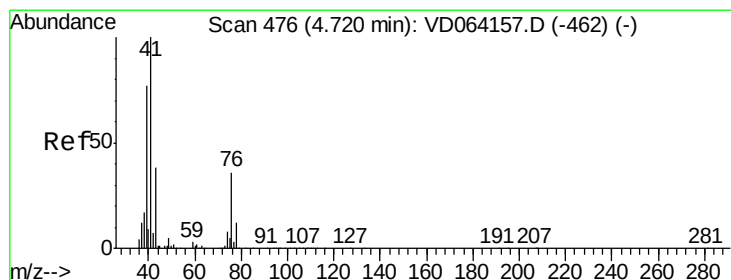
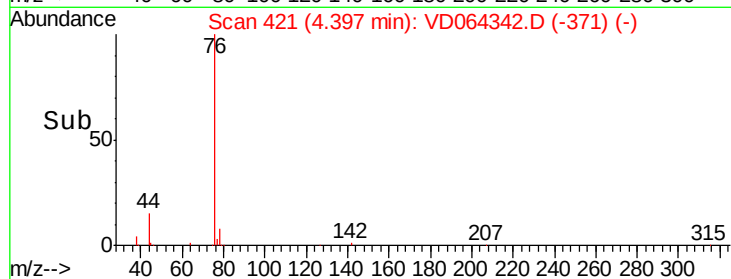
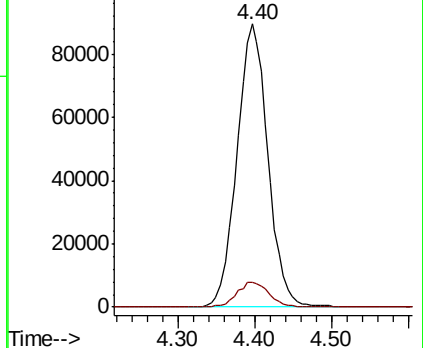
76 100

78 8.7 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: 21.005 ug/l

RT: 4.73 min Scan# 477

Delta R.T. 0.01 min

Lab File: VD064342.D

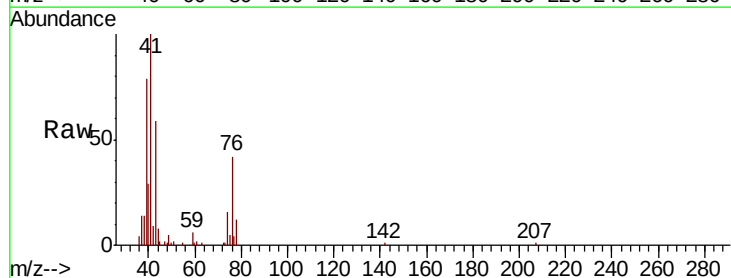
Acq: 22 Nov 2019 12:41

Tgt Ion: 43 Resp: 57450

Ion Ratio Lower Upper

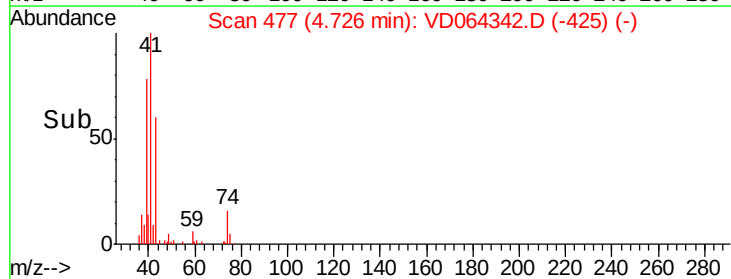
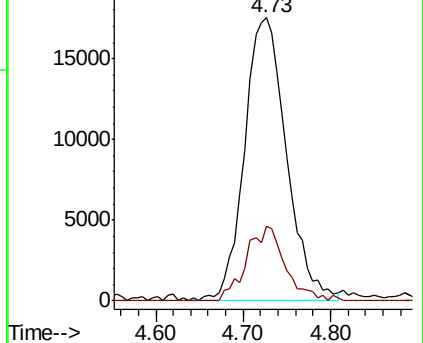
43 100

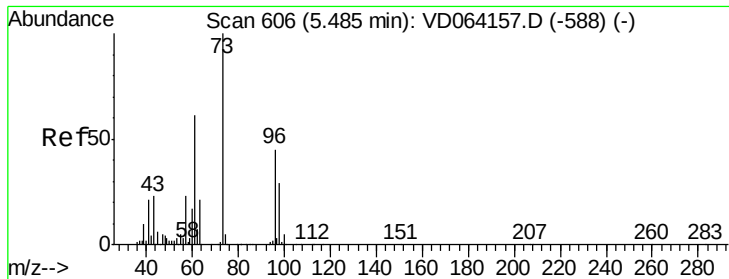
74 24.0 18.4 27.6



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC

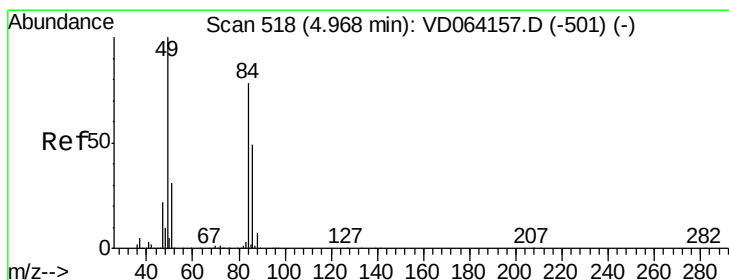
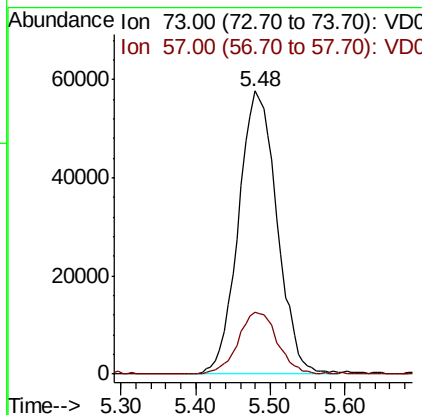
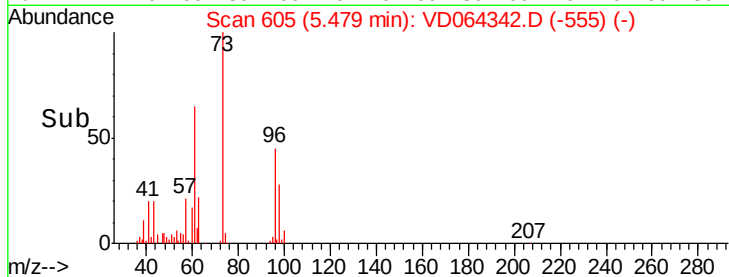
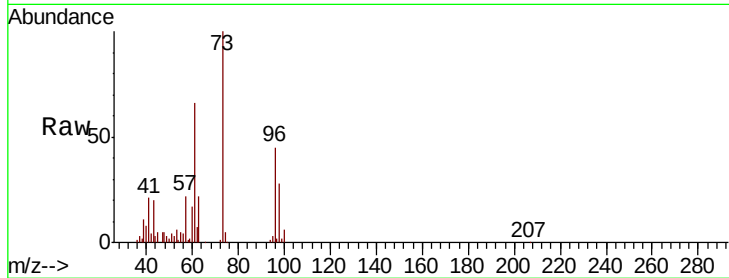




#19
Methyl tert-butyl Ether
Concen: 20.517 ug/l
RT: 5.48 min Scan# 605
Delta R.T. -0.01 min
Lab File: VD064342.D
Acq: 22 Nov 2019 12:41

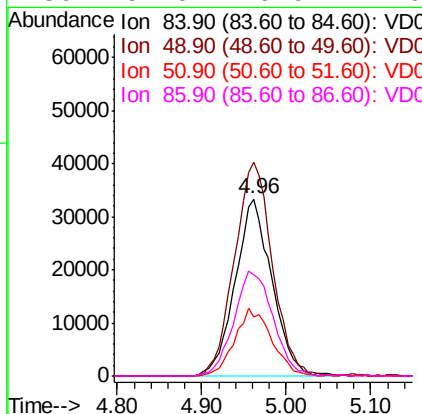
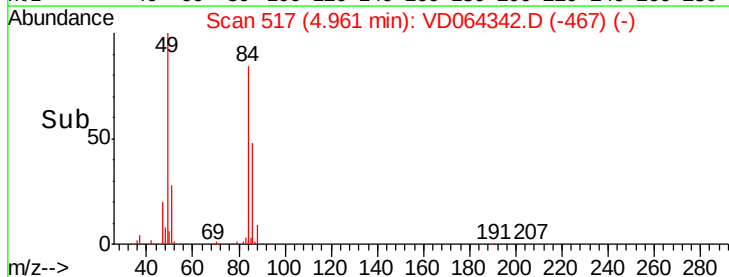
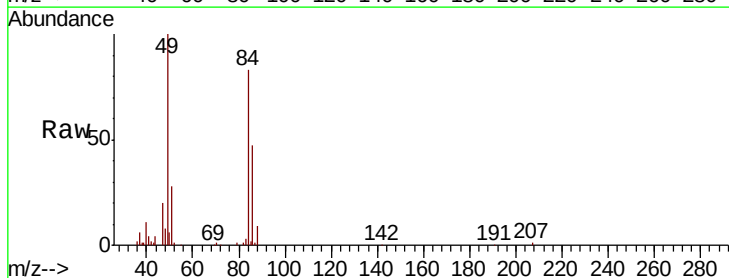
Instrument :
MSVOA_D
ClientSampleId :

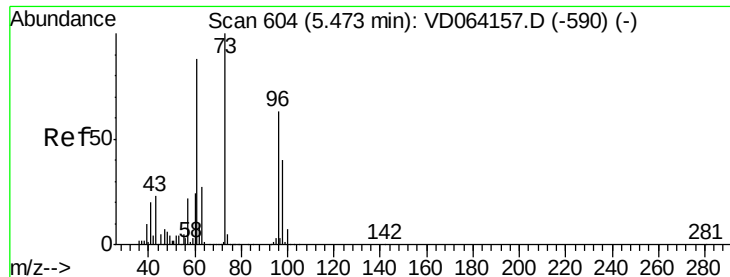
Tot Ion: 73 Resp: 206845
Ion Ratio Lower Upper
73 100
57 21.8 18.4 27.6



#20
Methylene Chloride
Concen: 20.259 ug/l
RT: 4.96 min Scan# 517
Delta R.T. -0.01 min
Lab File: VD064342.D
Acq: 22 Nov 2019 12:41

Tgt Ion: 84 Resp: 100209
Ion Ratio Lower Upper
84 100
49 120.8 102.1 153.1
51 33.3 32.2 48.2
86 57.0 49.9 74.9





#21

trans-1,2-Dichloroethene

Concen: 20.340 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD064342.D

Acq: 22 Nov 2019 12:41

Instrument :

MSVOA_D

ClientSampleId :

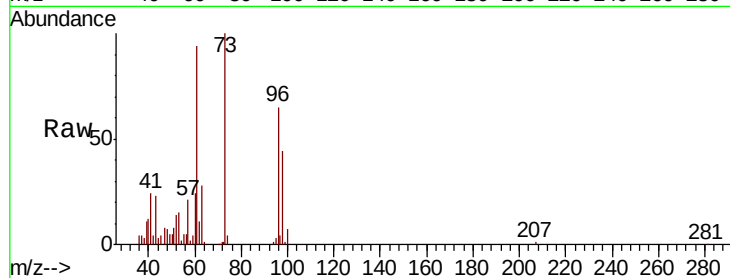
Tot Ion: 96 Resp: 97323

Ion Ratio Lower Upper

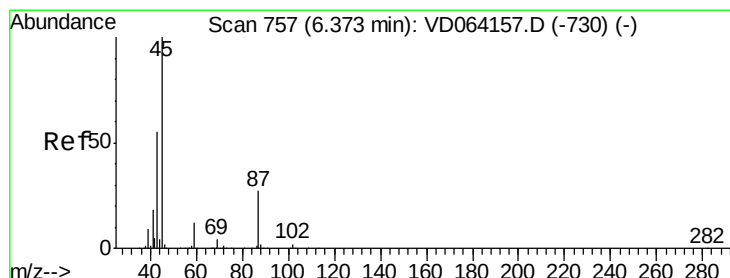
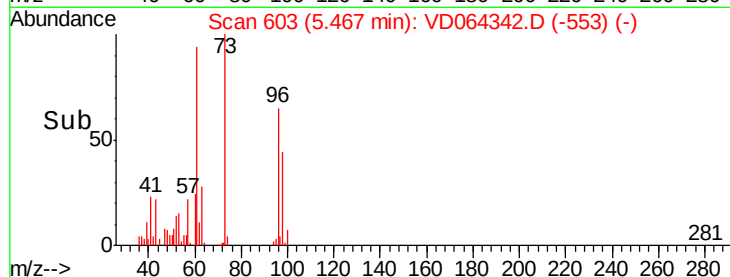
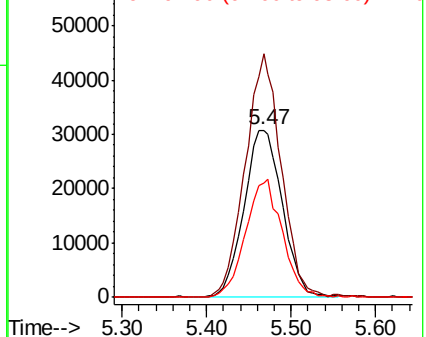
96 100

61 145.6 111.8 167.6

98 68.4 50.3 75.5



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



#22

Diisopropyl ether

Concen: 19.796 ug/l

RT: 6.37 min Scan# 756

Delta R.T. -0.01 min

Lab File: VD064342.D

Acq: 22 Nov 2019 12:41

Tgt Ion: 45 Resp: 274257

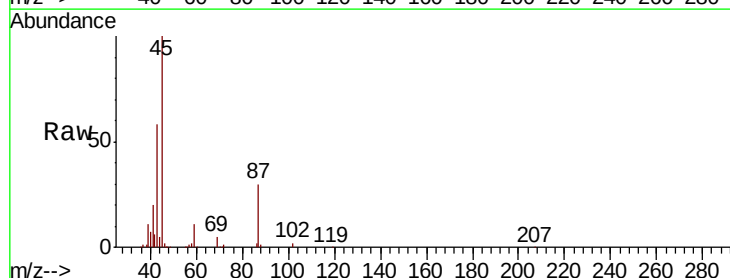
Ion Ratio Lower Upper

45 100

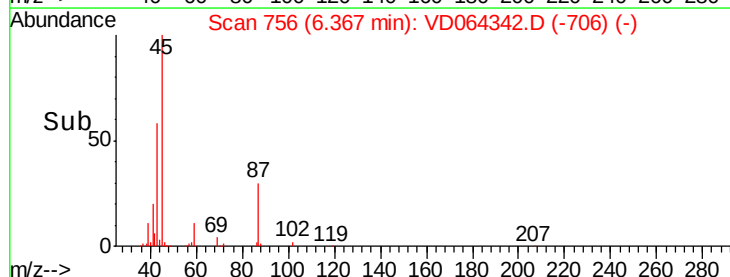
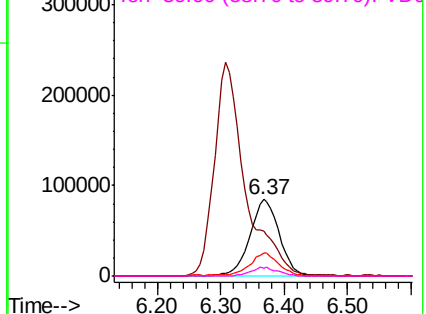
43 57.2 44.4 66.6

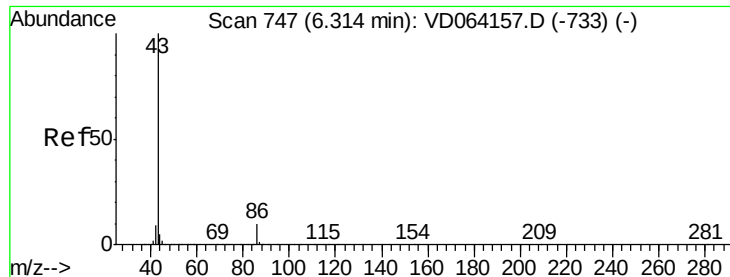
87 29.3 21.9 32.9

59 10.5 9.4 14.2



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





#23

Vinyl Acetate

Concen: 104.472 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.01 min

Lab File: VD064342.D

Acq: 22 Nov 2019 12:41

Instrument :

MSVOA_D

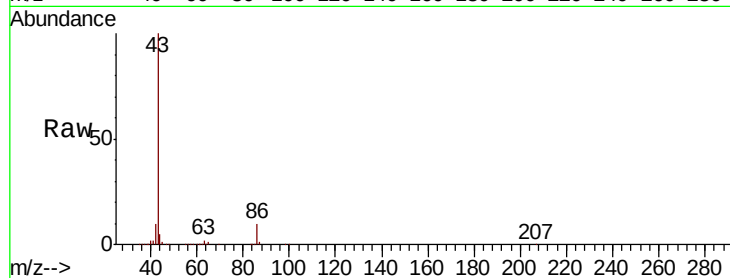
ClientSampled :

Tot Ion: 43 Resp: 806806

Ion Ratio Lower Upper

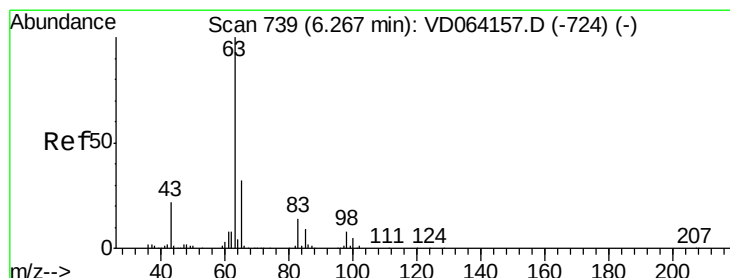
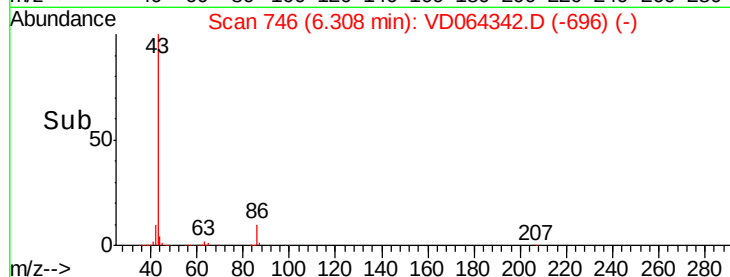
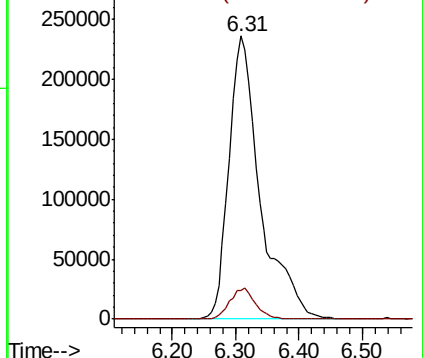
43 100

86 10.0 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: 20.778 ug/l

RT: 6.27 min Scan# 739

Delta R.T. -0.00 min

Lab File: VD064342.D

Acq: 22 Nov 2019 12:41

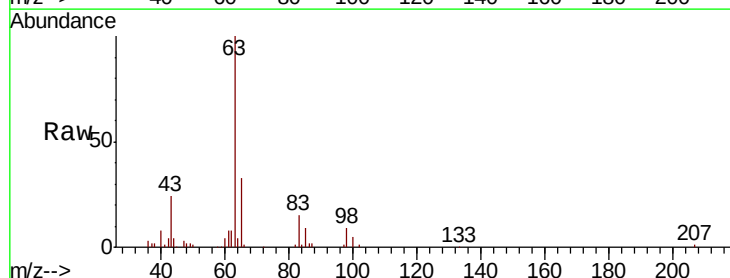
Tgt Ion: 63 Resp: 167145

Ion Ratio Lower Upper

63 100

98 8.6 3.8 11.4

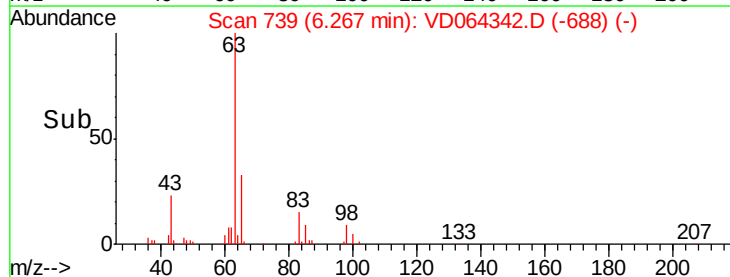
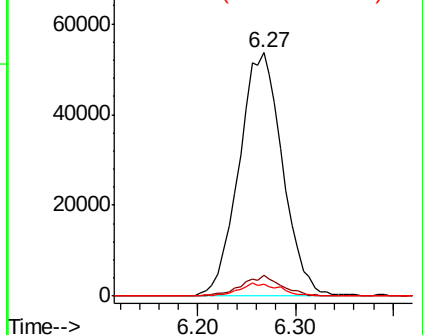
100 4.6 2.4 7.2

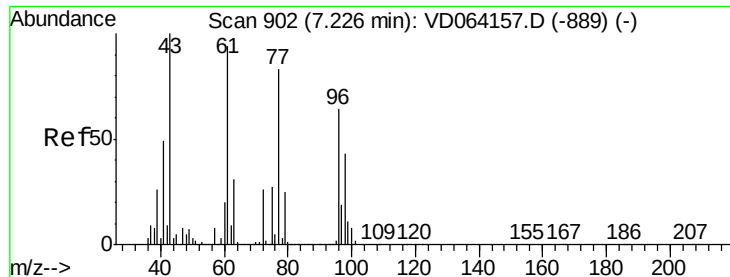


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 102.601 ug/l

RT: 7.23 min Scan# 902

Delta R.T. -0.00 min

Lab File: VD064342.D

Acq: 22 Nov 2019 12:41

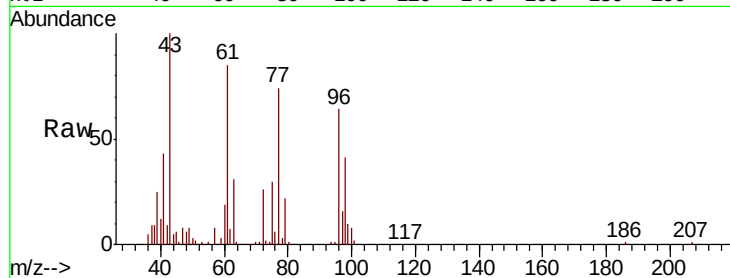
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 43 Resp: 129802

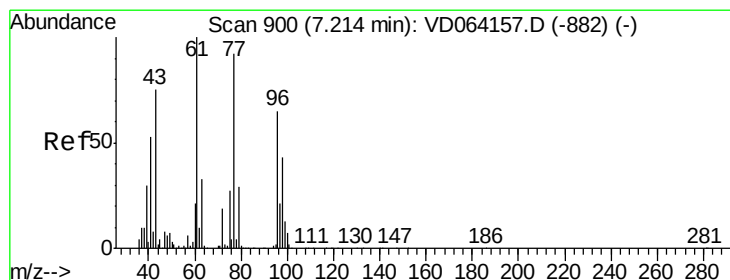
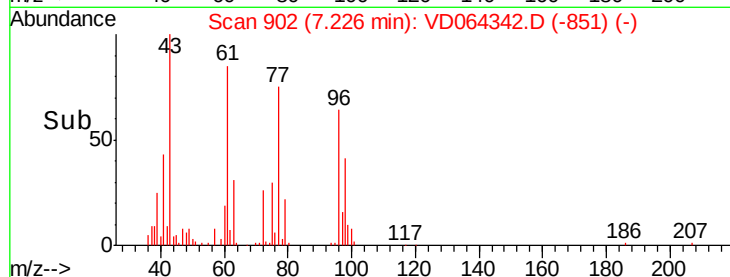
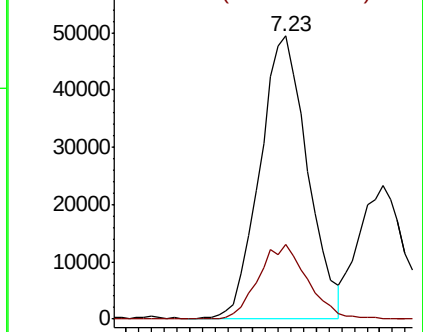
Ion Ratio Lower Upper

43 100

72 26.2 20.6 30.8



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



#26

2,2-Dichloropropane

Concen: 19.445 ug/l

RT: 7.21 min Scan# 900

Delta R.T. -0.00 min

Lab File: VD064342.D

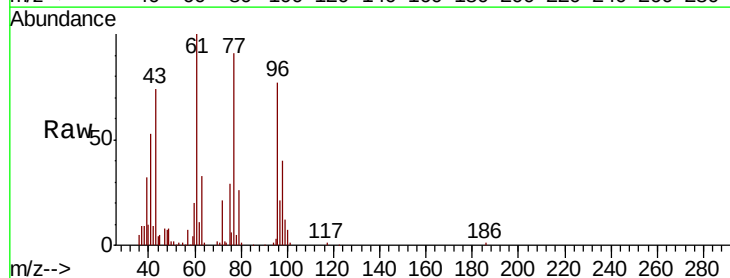
Acq: 22 Nov 2019 12:41

Tgt Ion: 77 Resp: 153398

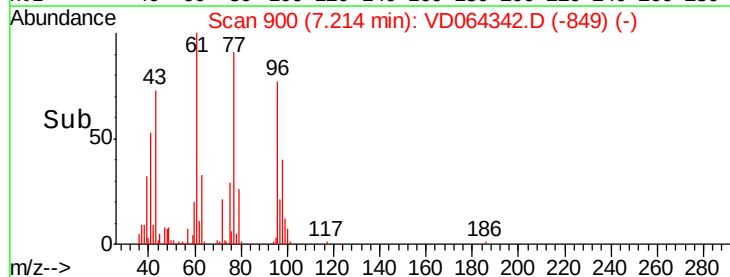
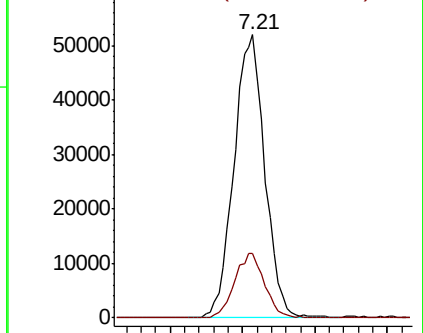
Ion Ratio Lower Upper

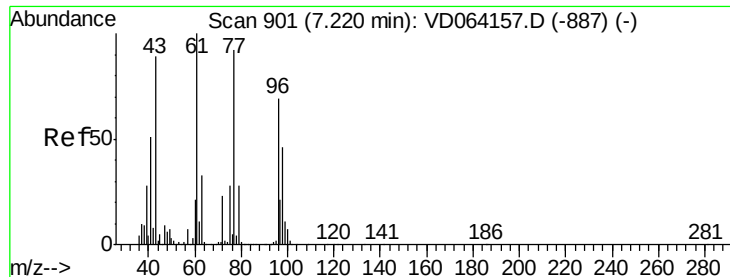
77 100

97 22.1 11.1 33.3



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



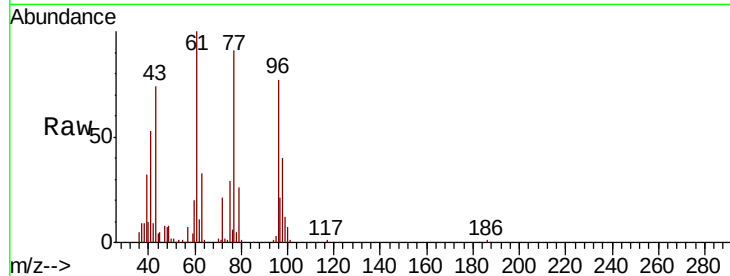


#27

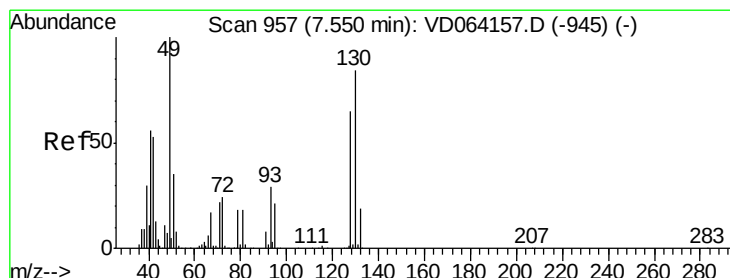
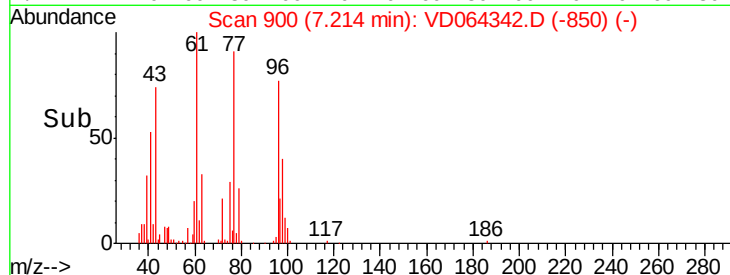
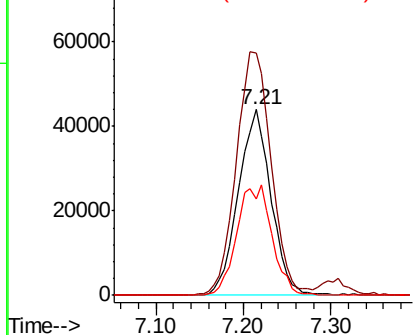
cis-1,2-Dichloroethene
 Concen: 21.683 ug/l
 RT: 7.21 min Scan# 900
 Delta R.T. -0.01 min
 Lab File: VD064342.D
 Acq: 22 Nov 2019 12:41

Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion	96	Resp	111255
Ion	Ratio	Lower	Upper
96	100		
61	140.3	0.0	301.4
98	63.4	0.0	133.2



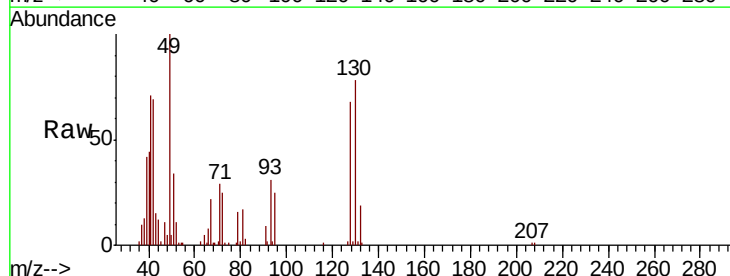
Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.90 (60.60 to 61.60): VDC
 Ion 97.90 (97.60 to 98.60): VDC



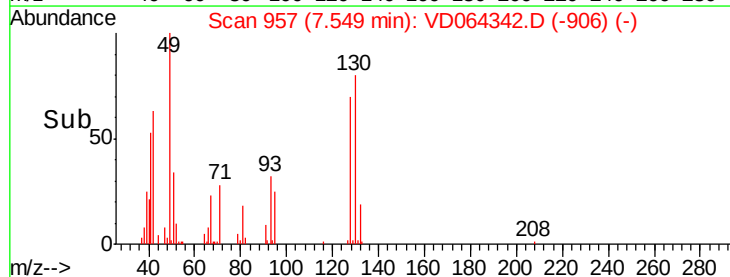
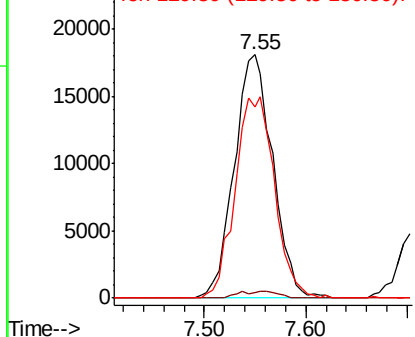
#28

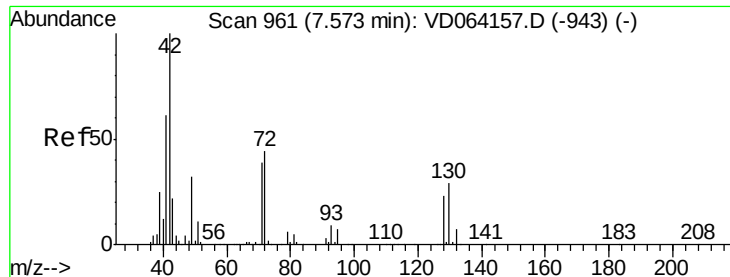
Bromochloromethane
 Concen: 16.976 ug/l
 RT: 7.55 min Scan# 957
 Delta R.T. -0.00 min
 Lab File: VD064342.D
 Acq: 22 Nov 2019 12:41

Tgt Ion	49	Resp	47543
Ion	Ratio	Lower	Upper
49	100		
129	1.4	0.0	4.4
130	84.9	66.8	100.2



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

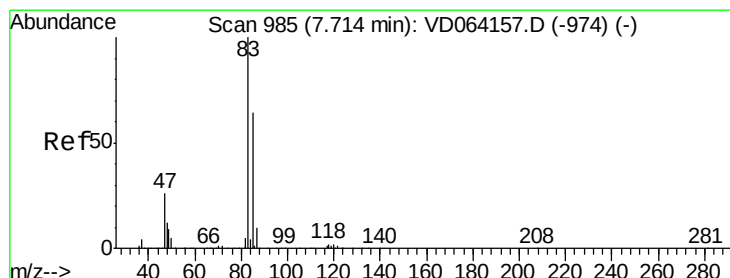
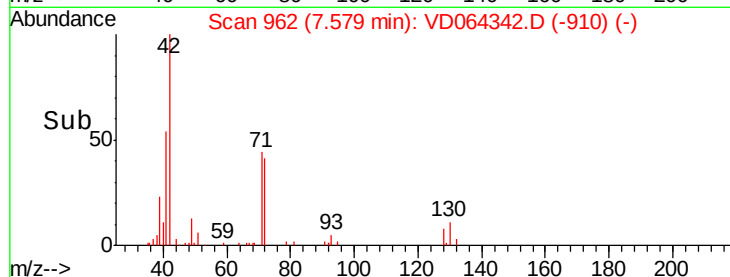
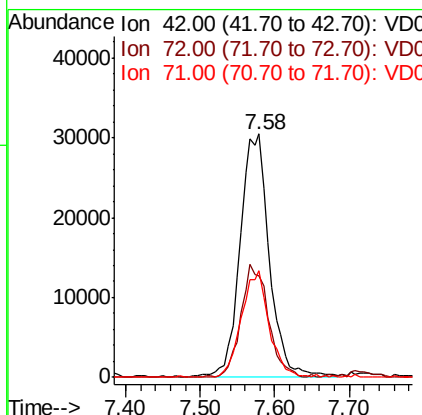
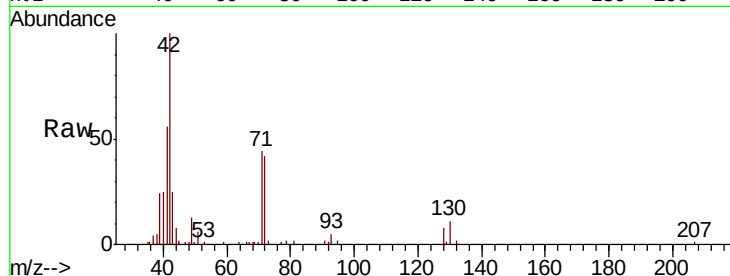




#29
Tetrahydrofuran
Concen: 109.740 ug/l
RT: 7.58 min Scan# 962
Delta R.T. 0.01 min
Lab File: VD064342.D
Acq: 22 Nov 2019 12:41

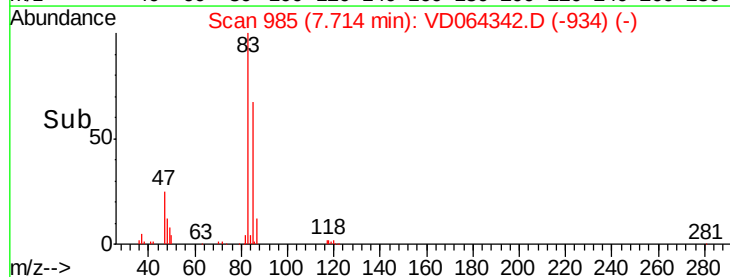
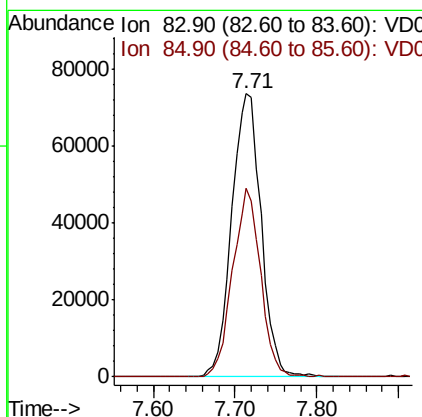
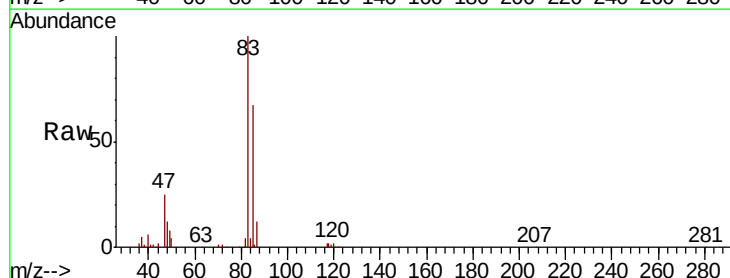
Instrument :
MSVOA_D
ClientSampled :

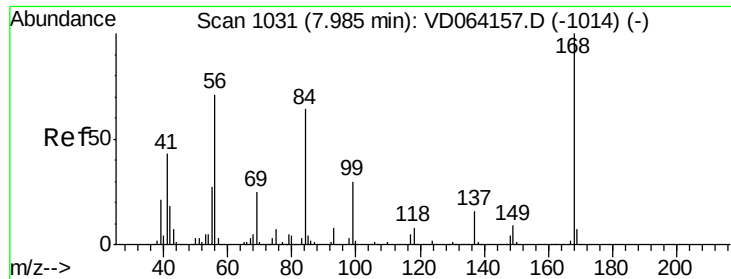
Tot Ion: 42 Resp: 83414
Ion Ratio Lower Upper
42 100
72 43.1 33.4 50.2
71 40.8 31.0 46.4



#30
Chloroform
Concen: 22.322 ug/l
RT: 7.71 min Scan# 985
Delta R.T. -0.00 min
Lab File: VD064342.D
Acq: 22 Nov 2019 12:41

Tgt Ion: 83 Resp: 183674
Ion Ratio Lower Upper
83 100
85 66.6 51.4 77.0

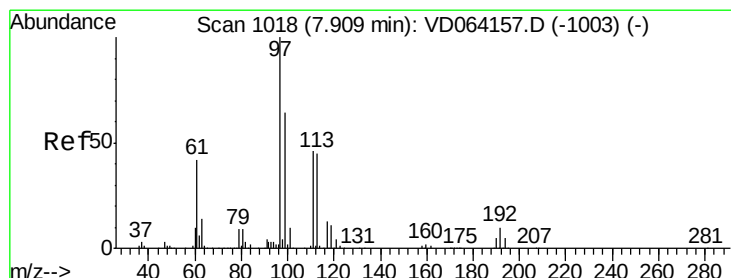
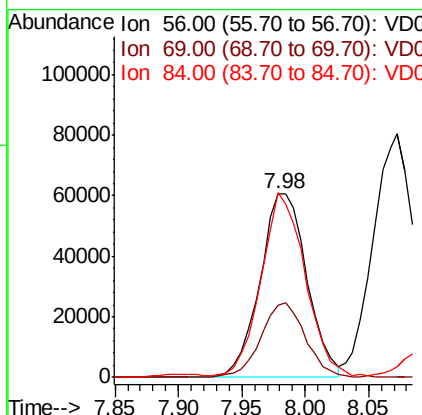
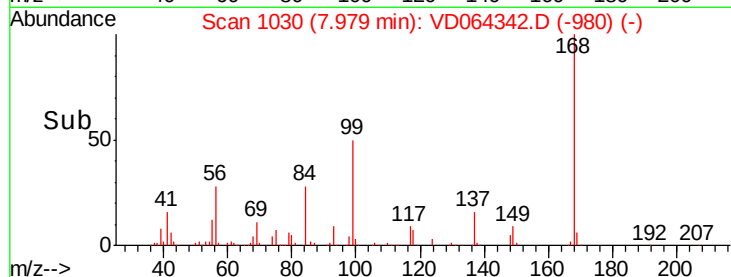
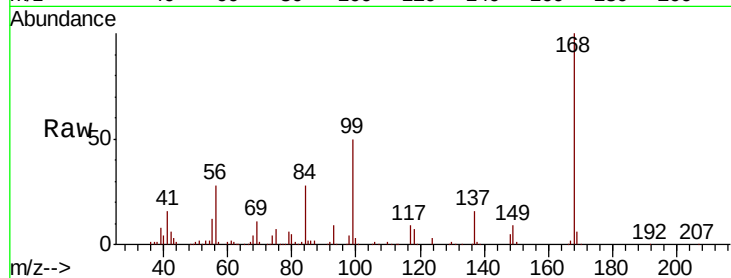




#31
Cyclohexane
Concen: 19.261 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD064342.D
Acq: 22 Nov 2019 12:41

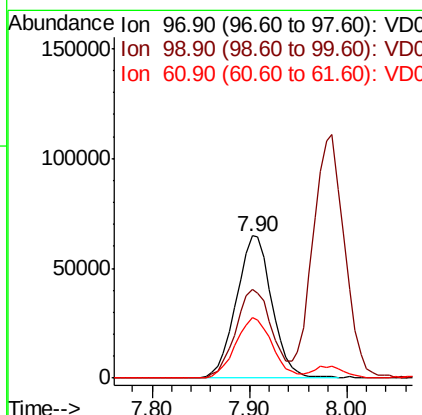
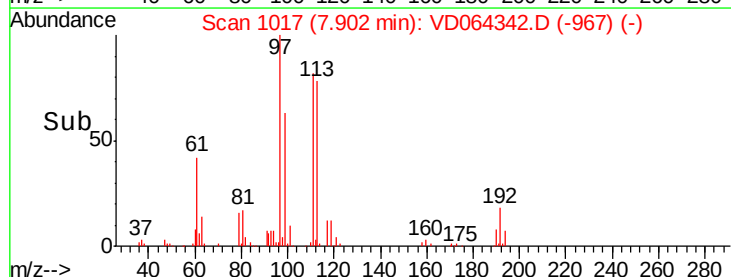
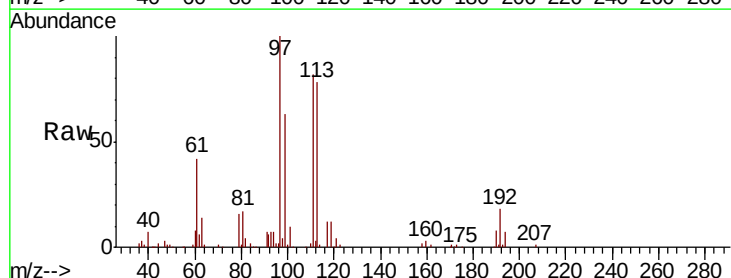
Instrument :
MSVOA_D
ClientSampleId :

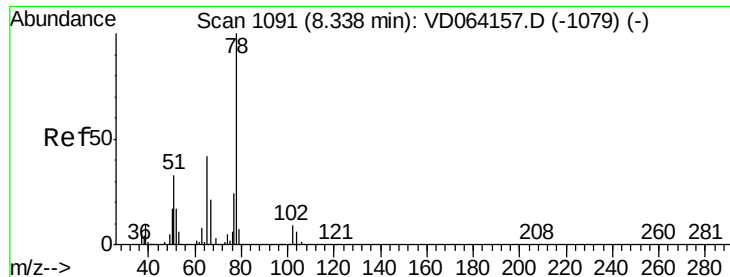
Tot Ion: 56 Resp: 156263
Ion Ratio Lower Upper
56 100
69 39.1 28.2 42.4
84 98.7 71.8 107.6



#32
1,1,1-Trichloroethane
Concen: 20.922 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. -0.01 min
Lab File: VD064342.D
Acq: 22 Nov 2019 12:41

Tgt Ion: 97 Resp: 164843
Ion Ratio Lower Upper
97 100
99 63.9 51.6 77.4
61 43.5 34.2 51.2

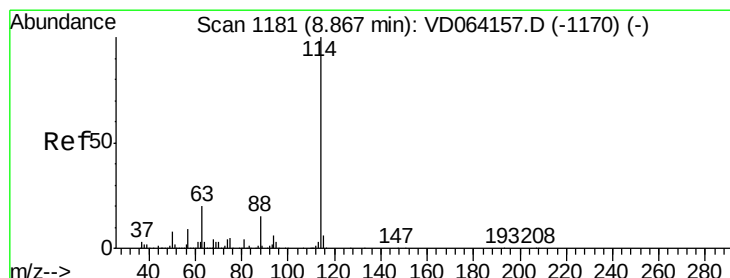
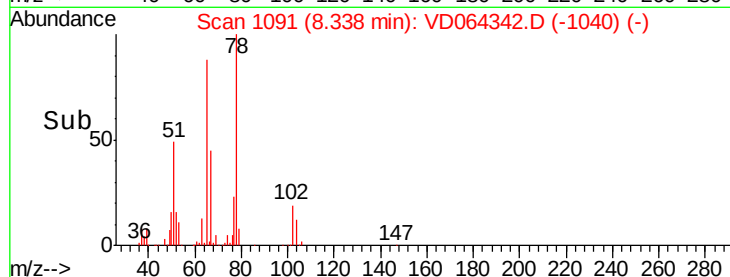
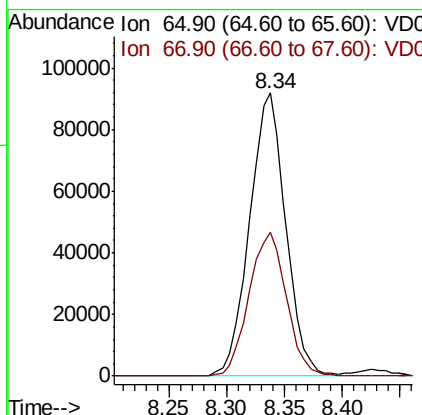
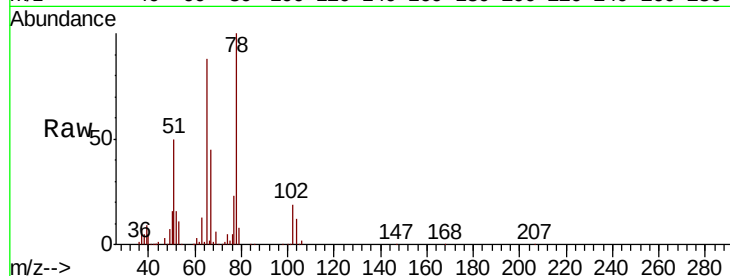




#33
 1,2-Dichloroethane-d4
 Concen: 48.420 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. -0.00 min
 Lab File: VD064342.D
 Acq: 22 Nov 2019 12:41

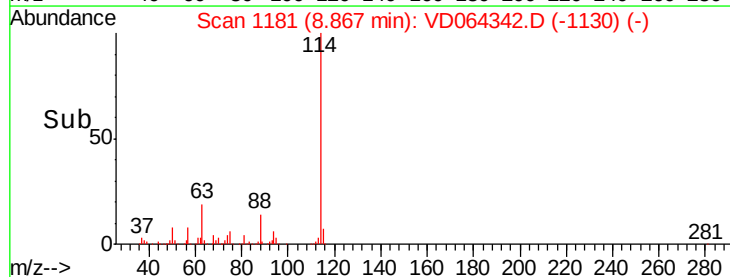
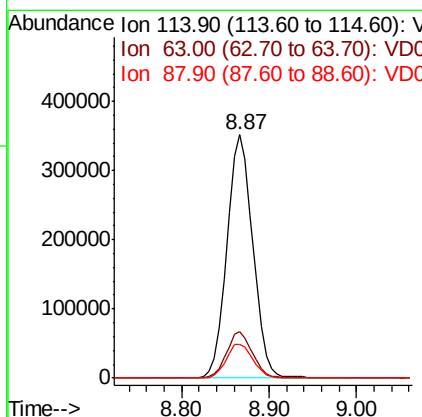
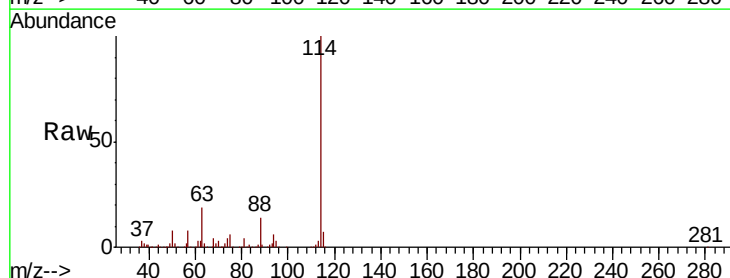
Instrument :
 MSVOA_D
 ClientSampled :

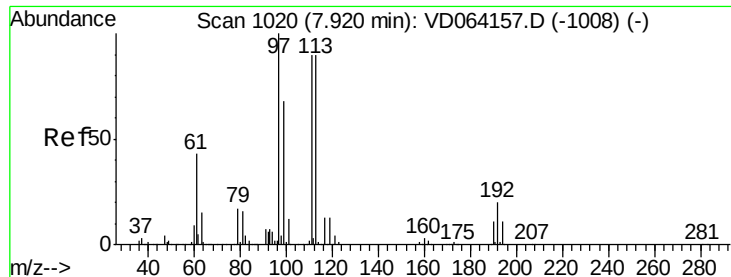
Tot Ion: 65 Resp: 200146
 Ion Ratio Lower Upper
 65 100
 67 52.9 0.0 104.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD064342.D
 Acq: 22 Nov 2019 12:41

Tgt Ion: 114 Resp: 709402
 Ion Ratio Lower Upper
 114 100
 63 19.2 0.0 40.0
 88 14.1 0.0 30.2

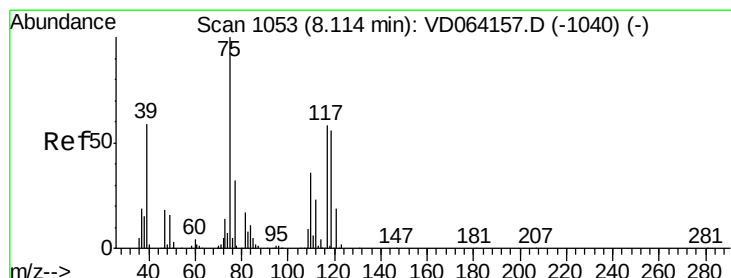
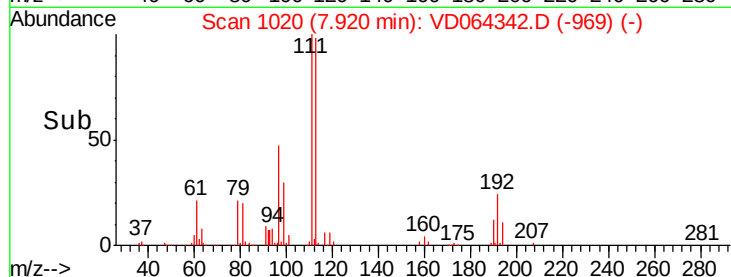
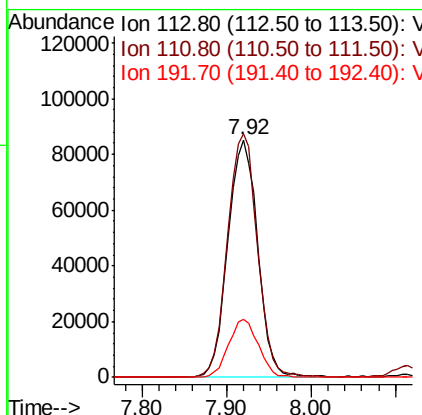
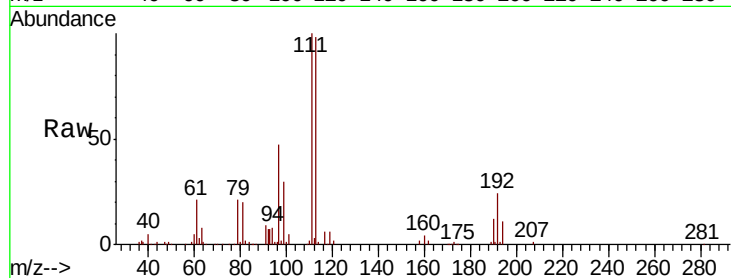




#35
 Dibromofluoromethane
 Concen: 50.818 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. -0.00 min
 Lab File: VD064342.D
 Acq: 22 Nov 2019 12:41

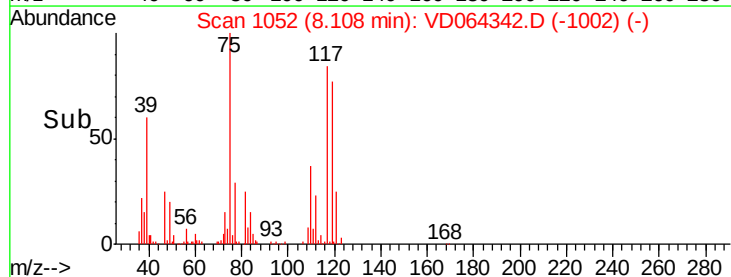
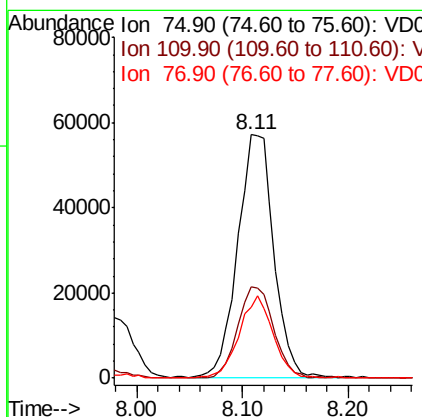
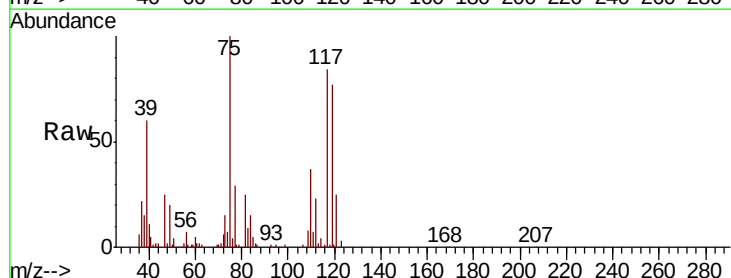
Instrument :
 MSVOA_D
 ClientSampleId :

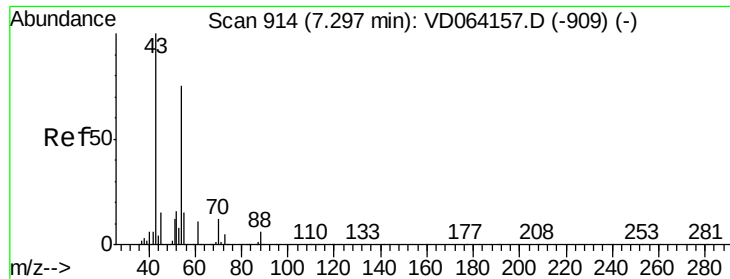
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.0	81.5	122.3
192	24.5	18.8	28.2



#36
 1,1-Dichloropropene
 Concen: 20.645 ug/l
 RT: 8.11 min Scan# 1052
 Delta R.T. -0.01 min
 Lab File: VD064342.D
 Acq: 22 Nov 2019 12:41

Tgt Ion	Ratio	Lower	Upper
75	100		
110	37.6	18.3	54.9
77	31.9	25.0	37.6

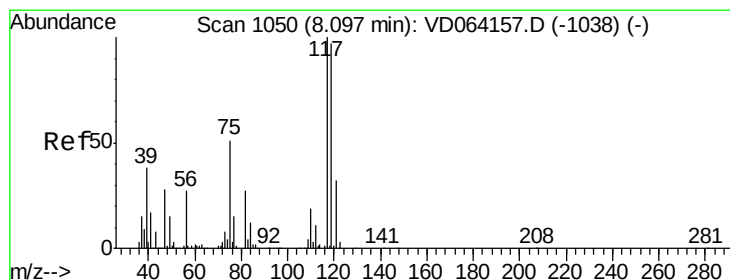
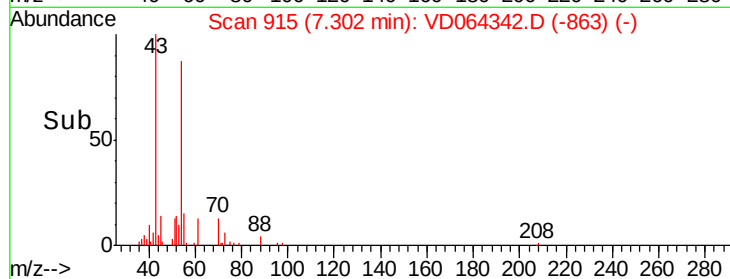
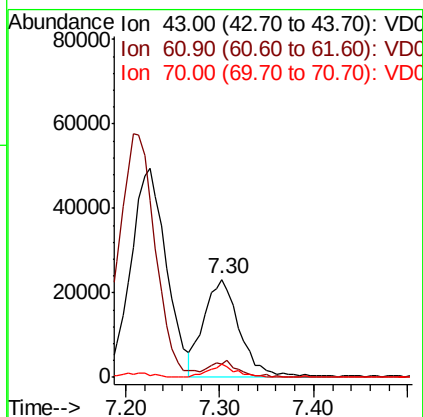
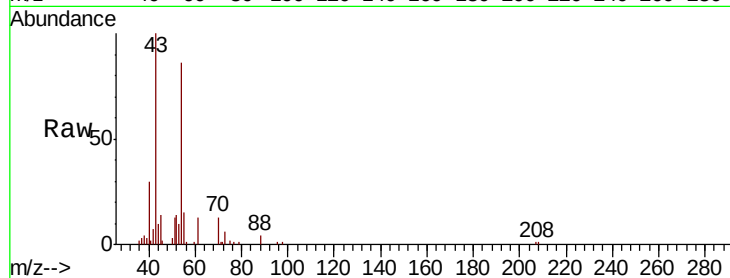




#37
Ethyl Acetate
Concen: 22.021 ug/l
RT: 7.30 min Scan# 915
Delta R.T. 0.01 min
Lab File: VD064342.D
Acq: 22 Nov 2019 12:41

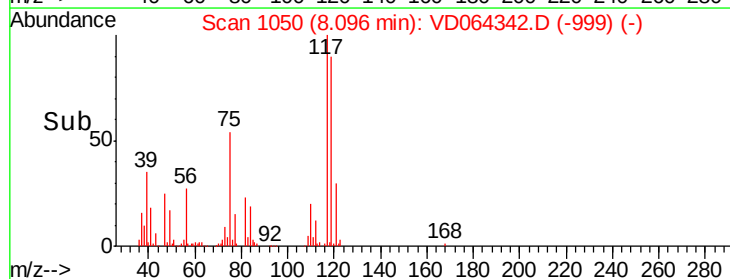
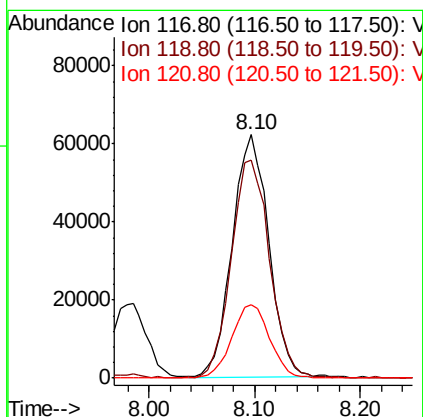
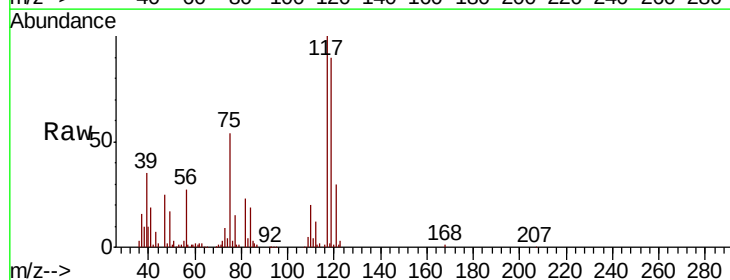
Instrument :
MSVOA_D
ClientSampleId :

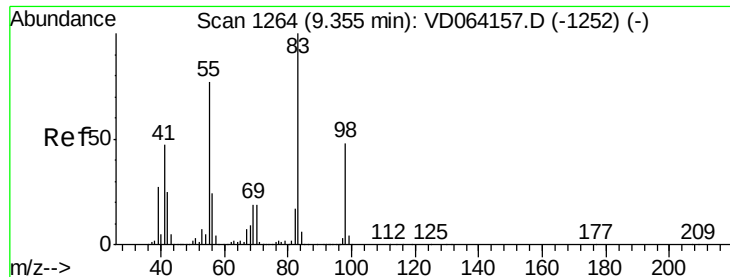
Tot Ion: 43 Resp: 60780
Ion Ratio Lower Upper
43 100
61 10.9 10.2 15.2
70 10.3 8.5 12.7



#38
Carbon Tetrachloride
Concen: 21.270 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VD064342.D
Acq: 22 Nov 2019 12:41

Tgt Ion: 117 Resp: 149007
Ion Ratio Lower Upper
117 100
119 89.6 77.2 115.8
121 30.4 25.5 38.3

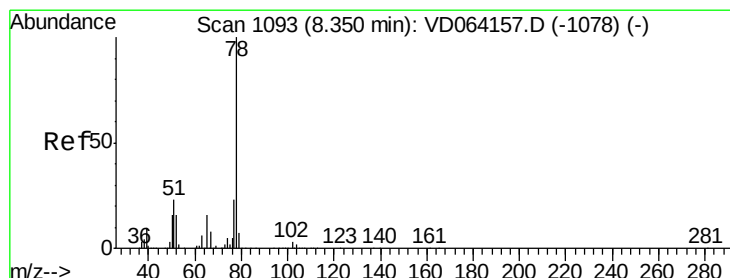
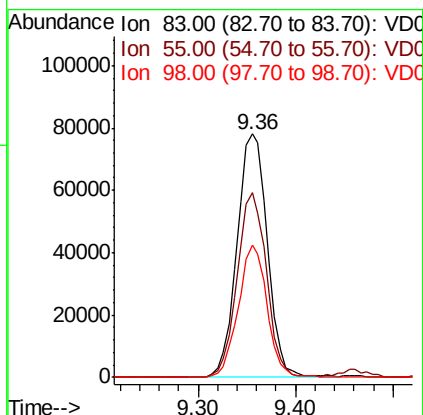
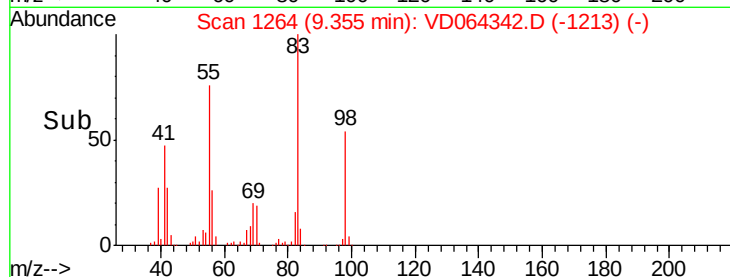
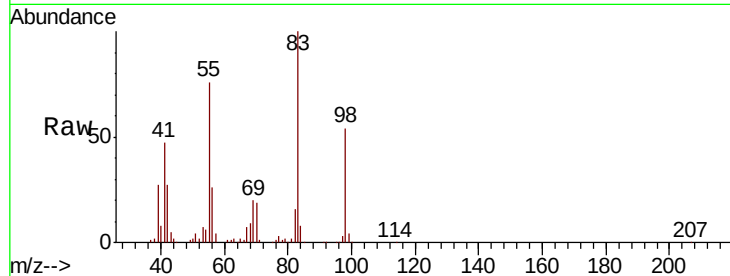




#39
Methylvlcyclohexane
Concen: 20.439 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VD064342.D
Acq: 22 Nov 2019 12:41

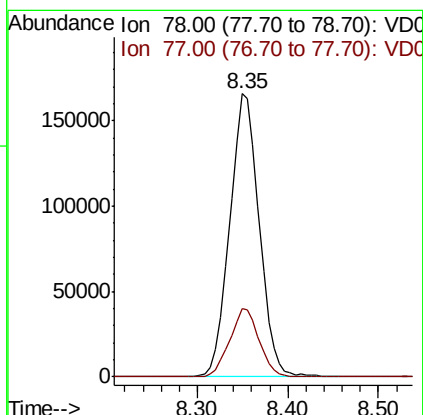
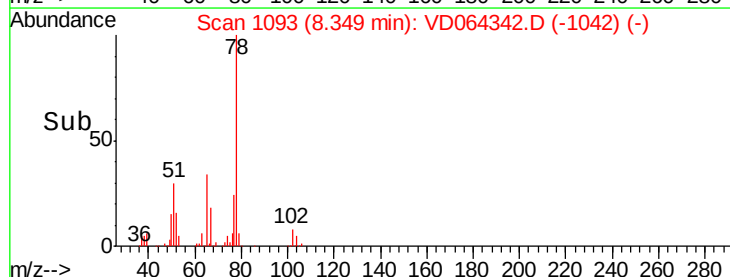
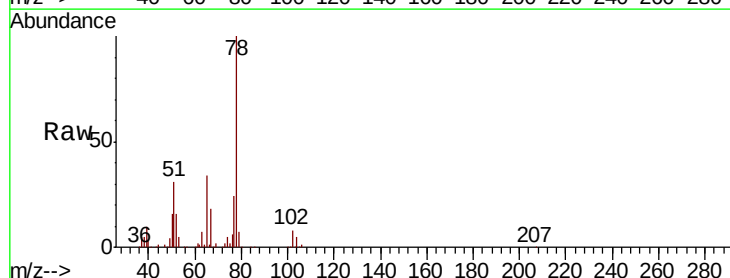
Instrument :
MSVOA_D
ClientSampleId :

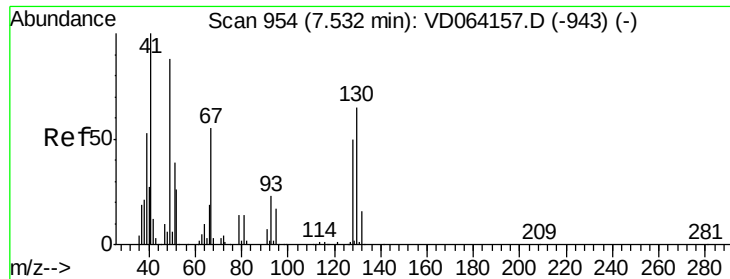
Tot Ion: 83 Resp: 169330
Ion Ratio Lower Upper
83 100
55 75.9 61.7 92.5
98 54.1 38.6 58.0



#40
Benzene
Concen: 20.963 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. -0.00 min
Lab File: VD064342.D
Acq: 22 Nov 2019 12:41

Tgt Ion: 78 Resp: 375108
Ion Ratio Lower Upper
78 100
77 24.2 18.6 28.0

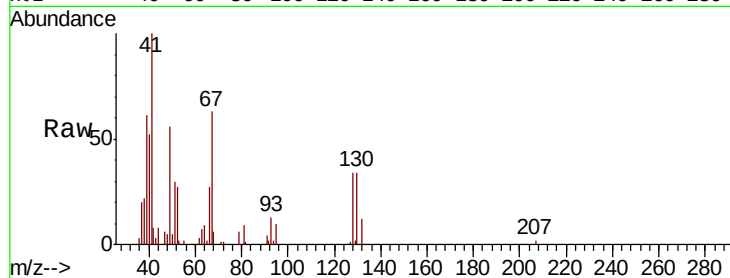




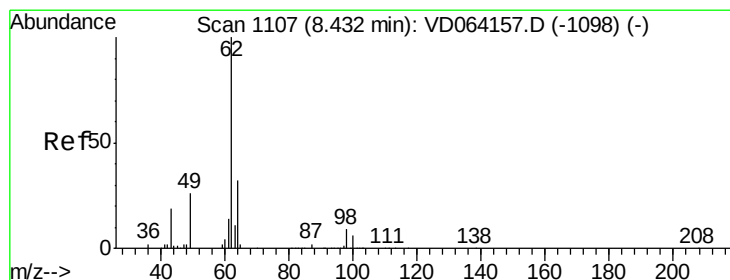
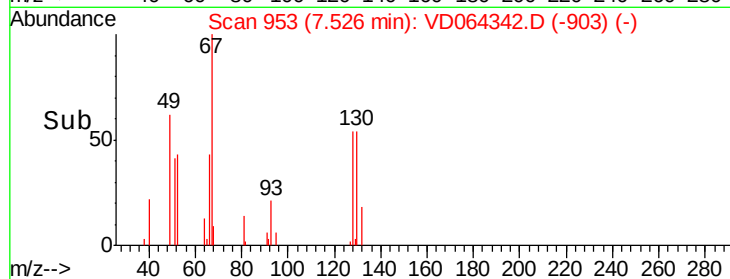
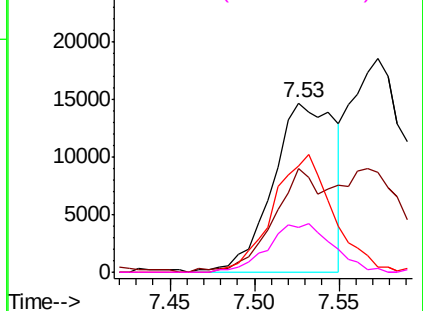
#41
Methacrylonitrile
Concen: 21.709 ug/l
RT: 7.53 min Scan# 953
Delta R.T. -0.01 min
Lab File: VD064342.D
Acq: 22 Nov 2019 12:41

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 41 Resp: 37660
Ion Ratio Lower Upper
41 100
39 42.9 49.4 74.2#
67 67.6 49.6 74.4
52 29.5 21.4 32.0

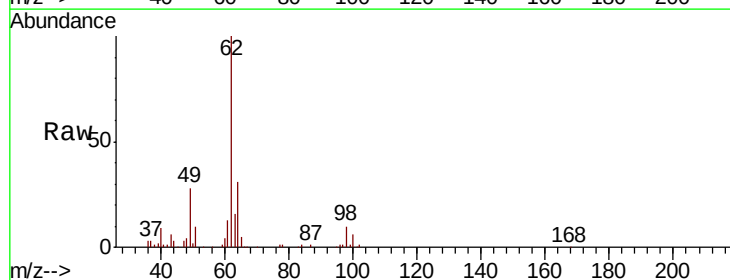


Abundance Ion 41.00 (40.70 to 41.70): VDC
Ion 39.00 (38.70 to 39.70): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

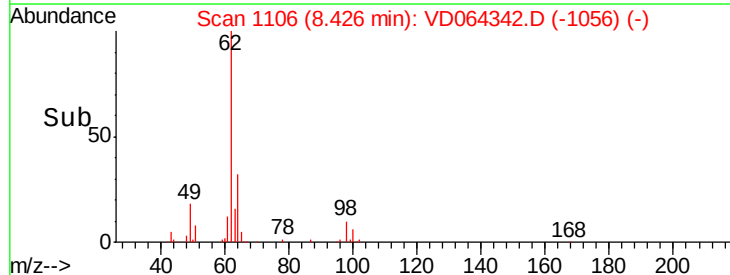
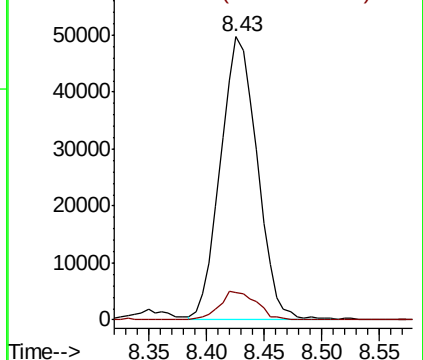


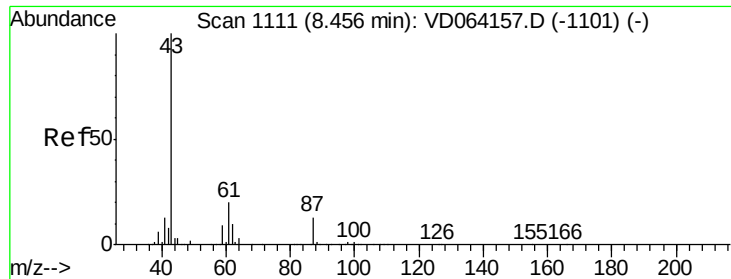
#42
1,2-Dichloroethane
Concen: 20.484 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. -0.01 min
Lab File: VD064342.D
Acq: 22 Nov 2019 12:41

Tgt Ion: 62 Resp: 110085
Ion Ratio Lower Upper
62 100
98 10.1 0.0 19.0



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





#43

Isopropyl Acetate

Concen: 21.188 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. -0.00 min

Lab File: VD064342.D

Acq: 22 Nov 2019 12:41

Instrument :

MSVOA_D

ClientSampleId :

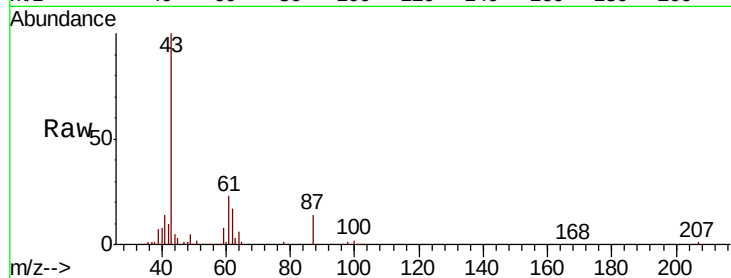
Tot Ion: 43 Resp: 120496

Ion Ratio Lower Upper

43 100

61 28.7 22.9 34.3

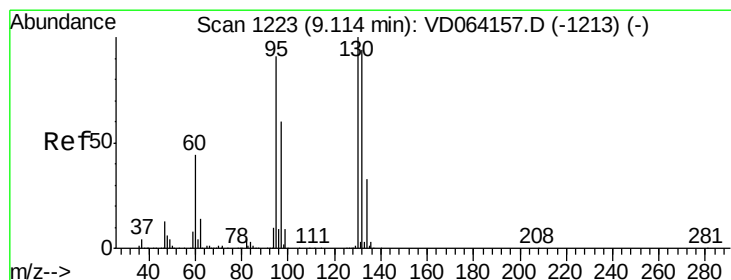
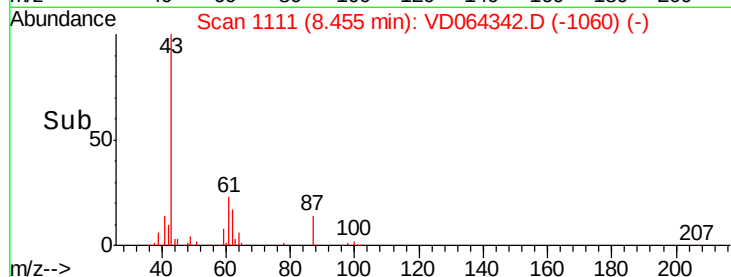
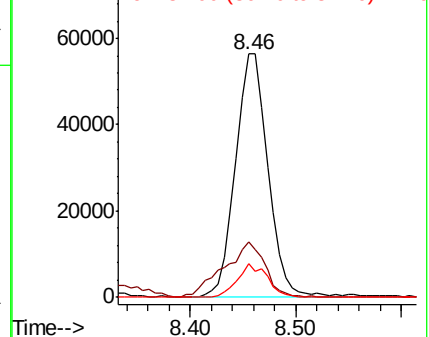
87 12.7 10.2 15.2



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: 21.667 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. -0.00 min

Lab File: VD064342.D

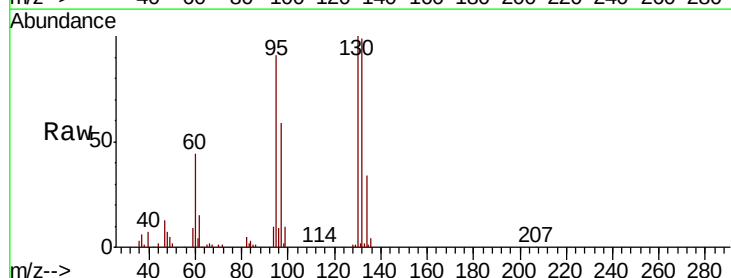
Acq: 22 Nov 2019 12:41

Tgt Ion:130 Resp: 116362

Ion Ratio Lower Upper

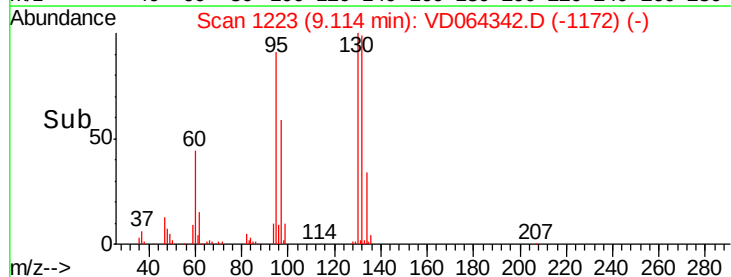
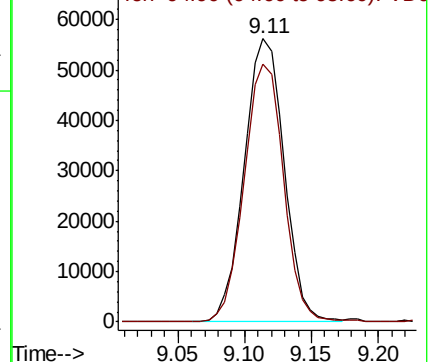
130 100

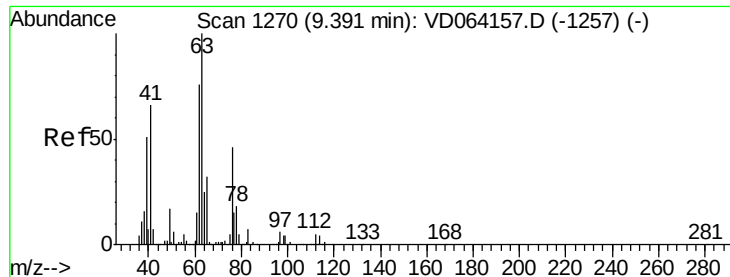
95 91.3 0.0 181.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC

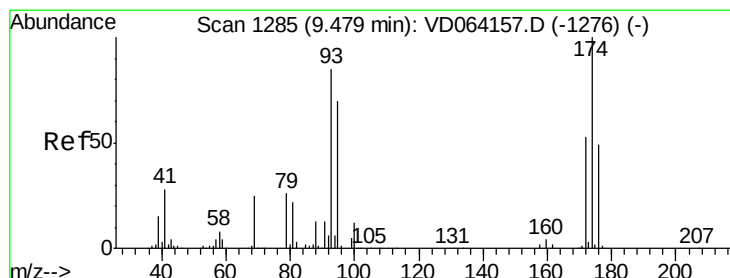
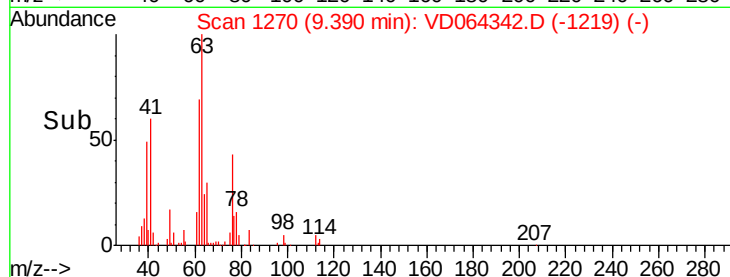
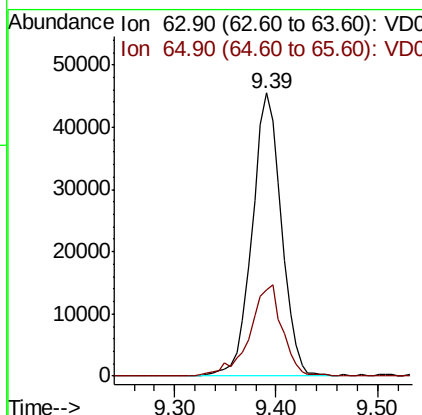
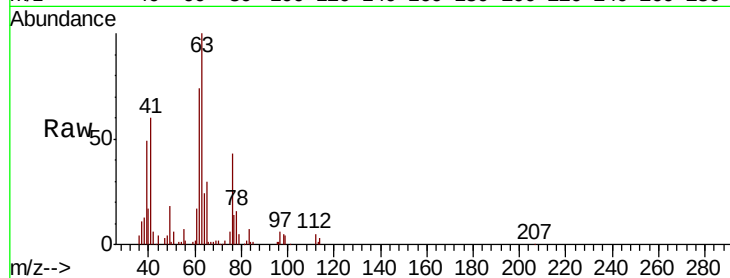




#45
 1,2-Dichloropropane
 Concen: 20.971 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VD064342.D
 Acq: 22 Nov 2019 12:41

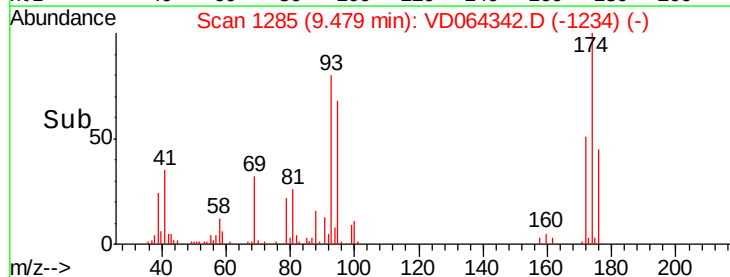
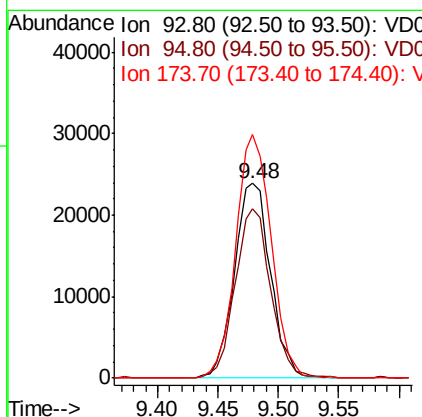
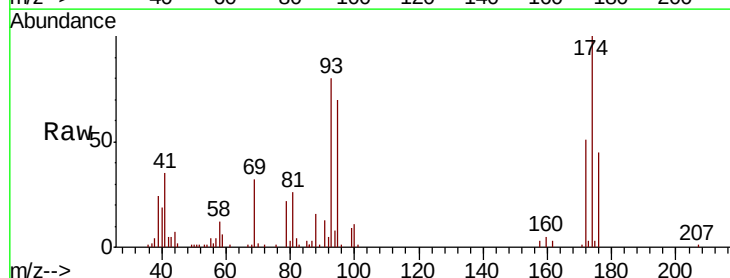
Instrument :
 MSVOA_D
 ClientSampled :

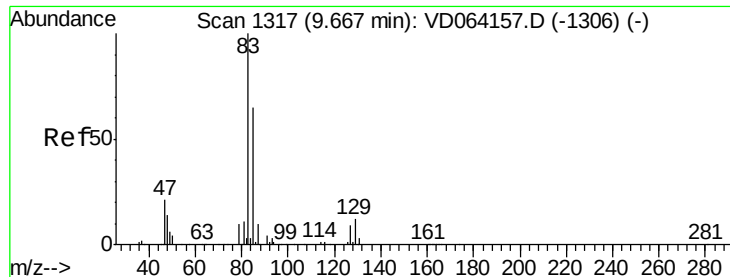
Tot Ion: 63 Resp: 91334
 Ion Ratio Lower Upper
 63 100
 65 30.3 25.7 38.5



#46
 Dibromomethane
 Concen: 21.387 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. -0.00 min
 Lab File: VD064342.D
 Acq: 22 Nov 2019 12:41

Tgt Ion: 93 Resp: 49867
 Ion Ratio Lower Upper
 93 100
 95 85.6 65.5 98.3
 174 122.7 93.9 140.9





#47

Bromodichloromethane

Concen: 20.859 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. -0.00 min

Lab File: VD064342.D

Acq: 22 Nov 2019 12:41

Instrument :

MSVOA_D

ClientSampleId :

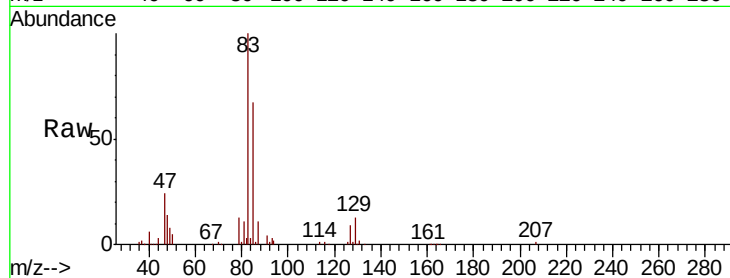
Tot Ion: 83 Resp: 131003

Ion Ratio Lower Upper

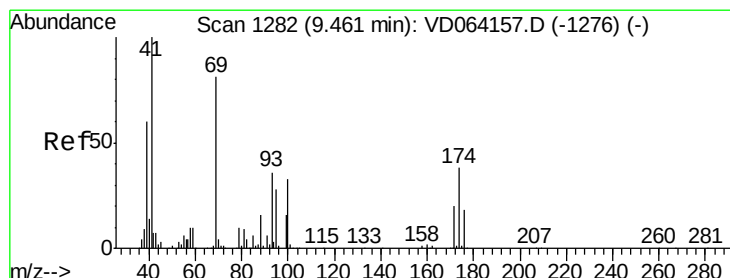
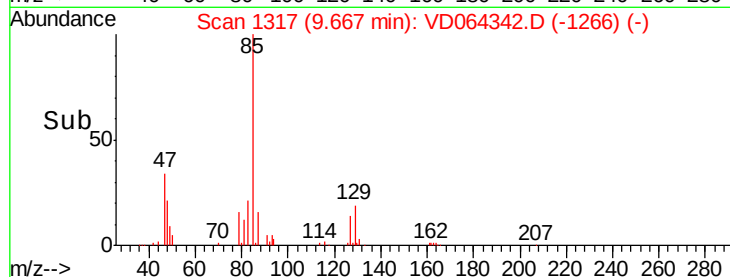
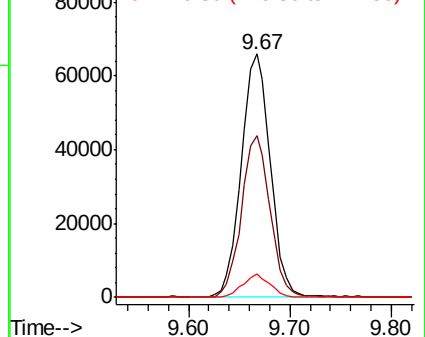
83 100

85 66.7 52.2 78.4

127 9.4 7.5 11.3



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



#48

Methyl methacrylate

Concen: 19.828 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. -0.00 min

Lab File: VD064342.D

Acq: 22 Nov 2019 12:41

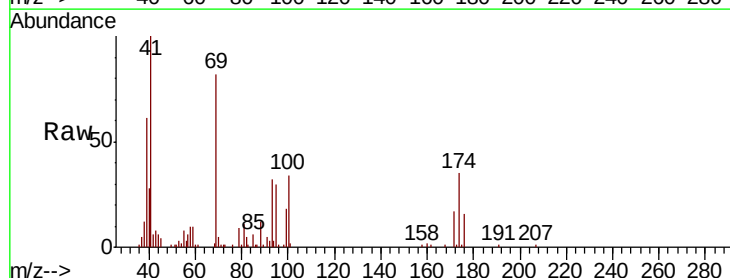
Tgt Ion: 41 Resp: 55138

Ion Ratio Lower Upper

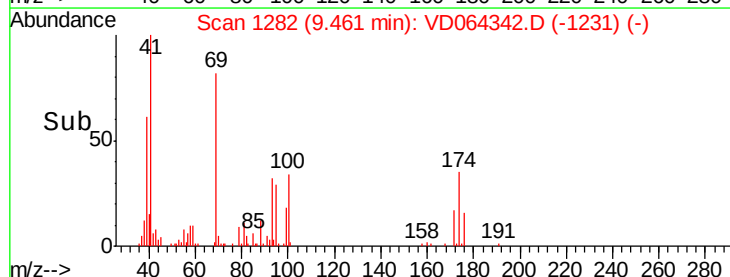
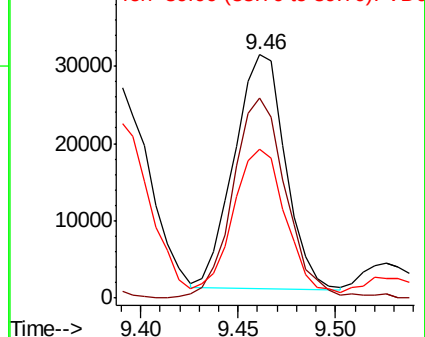
41 100

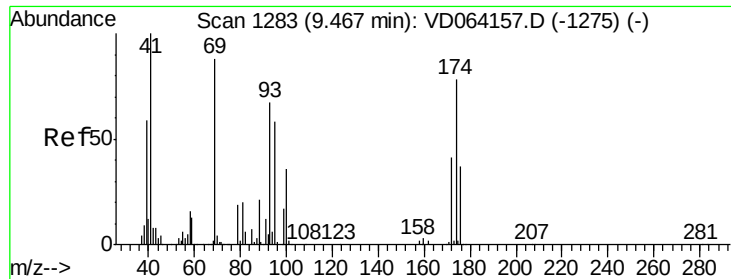
69 88.8 64.6 97.0

39 61.4 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

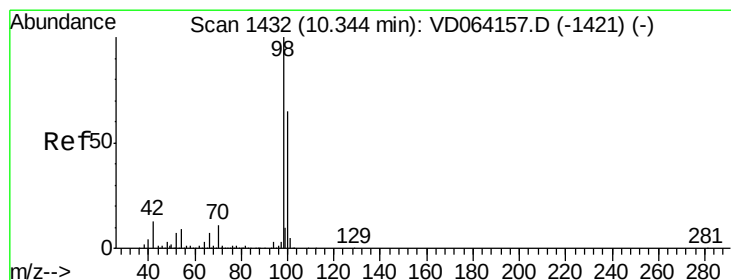
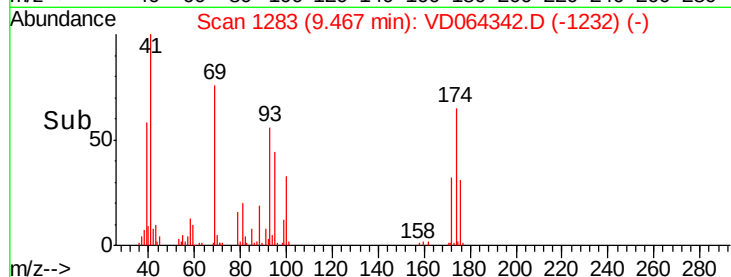
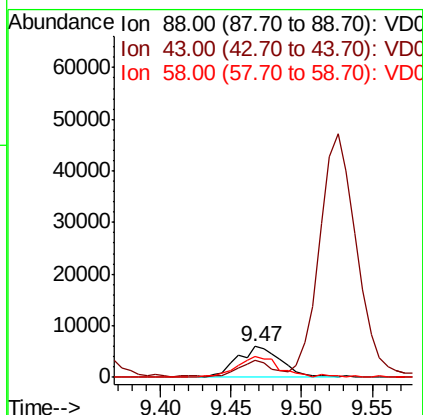
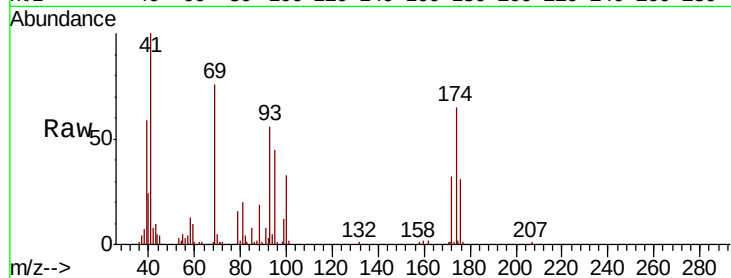




#49
1,4-Dioxane
Concen: 468.458 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VD064342.D
Acq: 22 Nov 2019 12:41

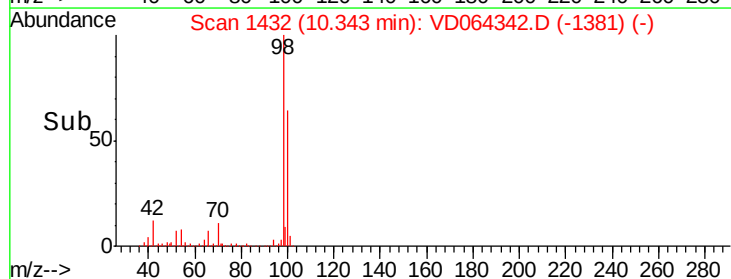
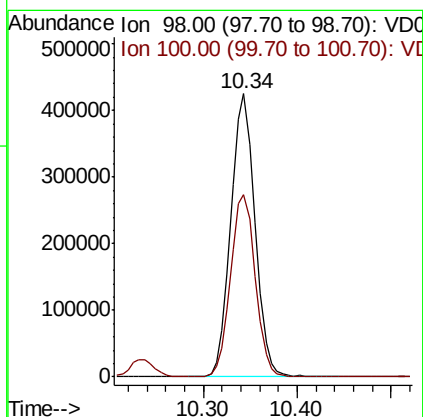
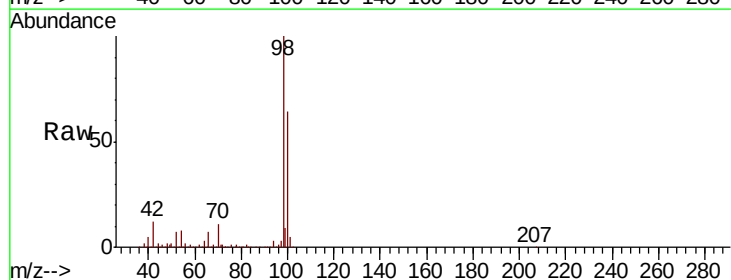
Instrument :
MSVOA_D
ClientSampled :

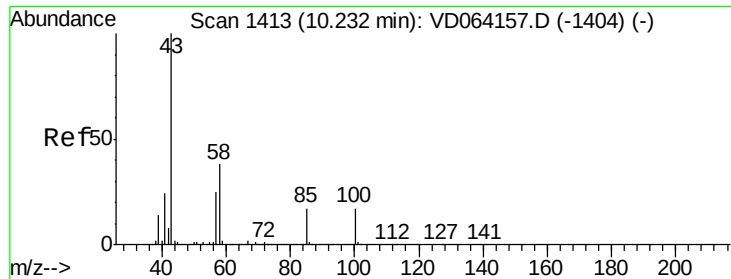
Tot Ion: 88 Resp: 13118
Ion Ratio Lower Upper
88 100
43 39.8 29.8 44.8
58 64.0 58.1 87.1



#50
Toluene-d8
Concen: 49.596 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VD064342.D
Acq: 22 Nov 2019 12:41

Tgt Ion: 98 Resp: 761874
Ion Ratio Lower Upper
98 100
100 65.9 52.6 78.8

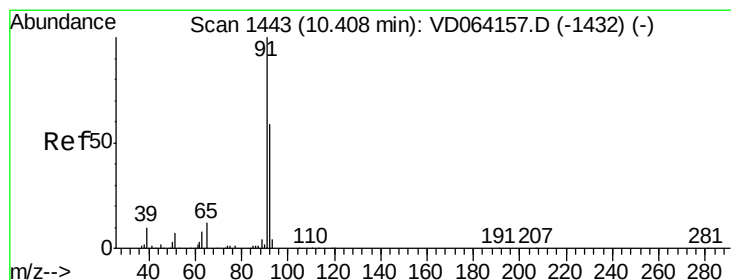
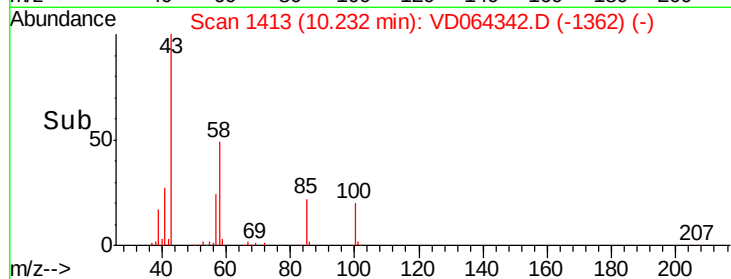
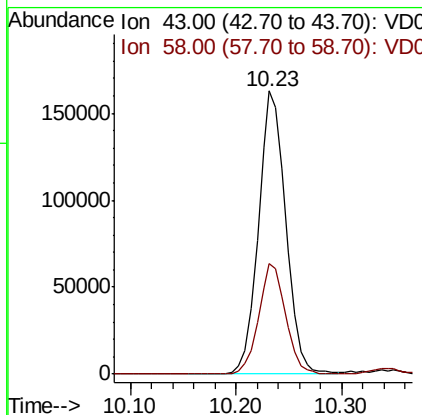
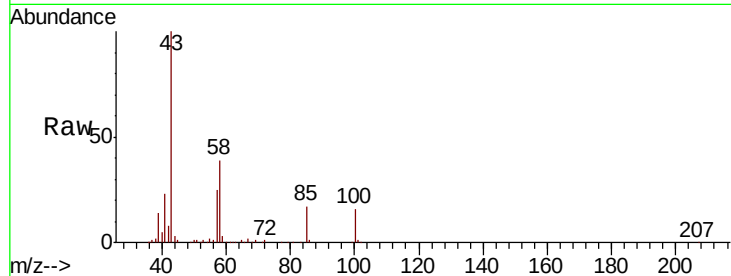




#51
 4-Methyl-2-Pentanone
 Concen: 107.589 ug/l
 RT: 10.23 min Scan# 1413
 Delta R.T. -0.00 min
 Lab File: VD064342.D
 Acq: 22 Nov 2019 12:41

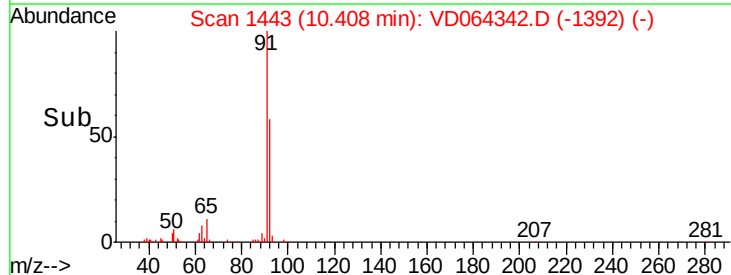
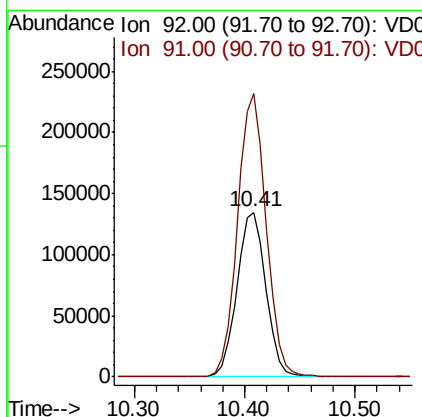
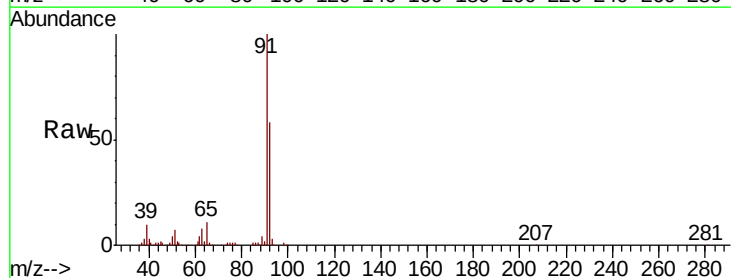
Instrument :
 MSVOA_D
 ClientSampled :

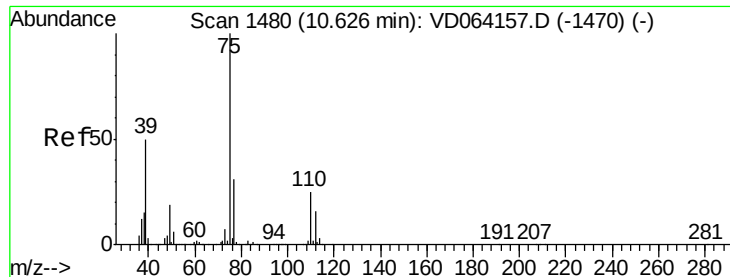
Tot Ion: 43 Resp: 293413
 Ion Ratio Lower Upper
 43 100
 58 38.4 30.2 45.4



#52
 Toluene
 Concen: 21.114 ug/l
 RT: 10.41 min Scan# 1443
 Delta R.T. -0.00 min
 Lab File: VD064342.D
 Acq: 22 Nov 2019 12:41

Tgt Ion: 92 Resp: 248433
 Ion Ratio Lower Upper
 92 100
 91 170.3 136.4 204.6





#53

t-1,3-Dichloropropene

Concen: 20.278 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. -0.00 min

Lab File: VD064342.D

Acq: 22 Nov 2019 12:41

Instrument :

MSVOA_D

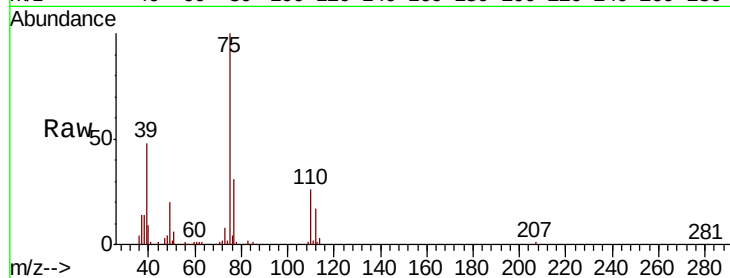
ClientSampleId :

Tot Ion: 75 Resp: 127588

Ion Ratio Lower Upper

75 100

77 31.3 24.7 37.1



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 76.90 (76.60 to 77.60): VDC

10.63

80000

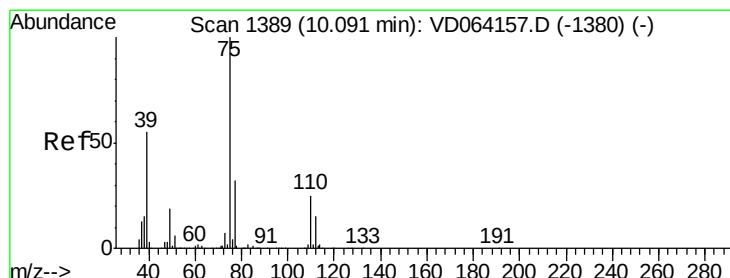
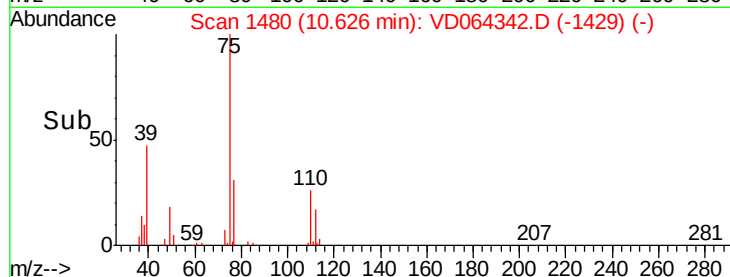
60000

40000

20000

0

Time--> 10.50 10.60 10.70



#54

cis-1,3-Dichloropropene

Concen: 20.391 ug/l

RT: 10.09 min Scan# 1389

Delta R.T. -0.00 min

Lab File: VD064342.D

Acq: 22 Nov 2019 12:41

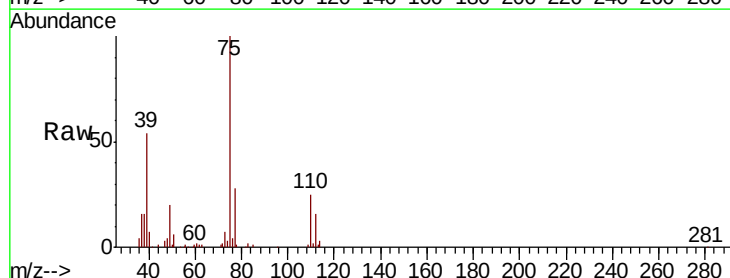
Tgt Ion: 75 Resp: 149719

Ion Ratio Lower Upper

75 100

77 28.0 25.2 37.8

39 54.0 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

100000

80000

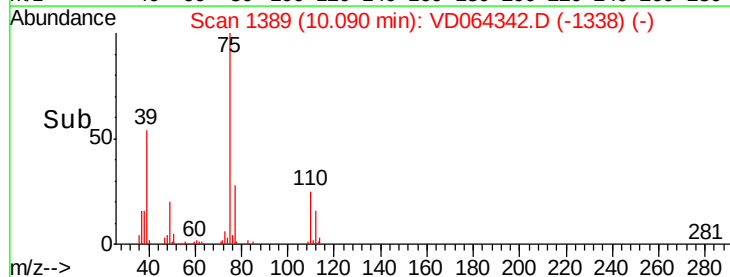
60000

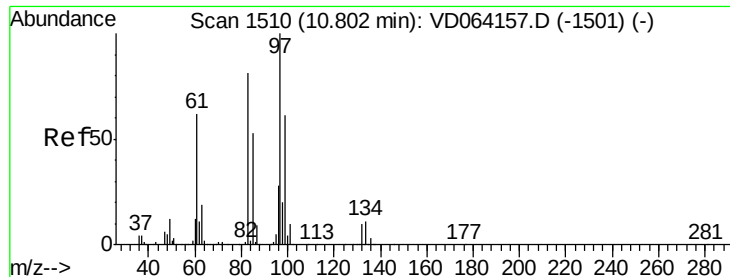
40000

20000

0

Time--> 10.00 10.10 10.20

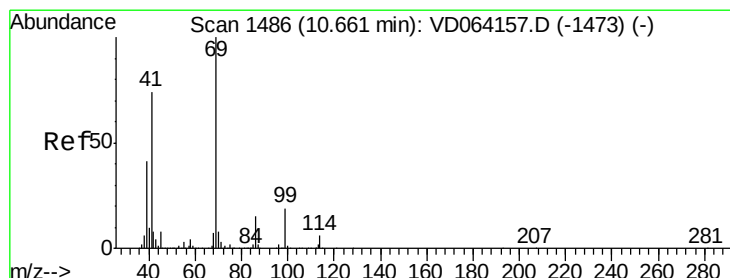
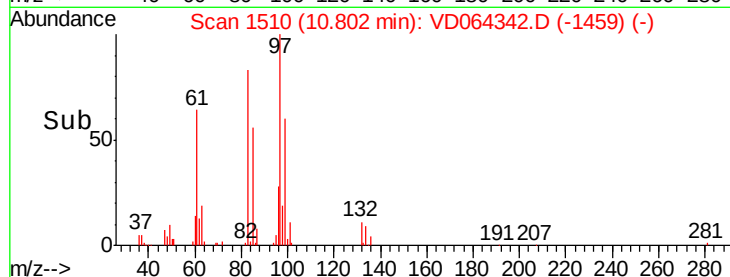
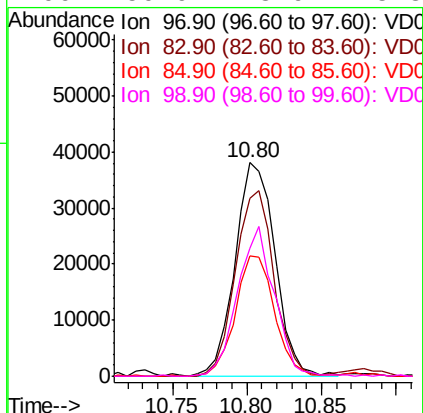
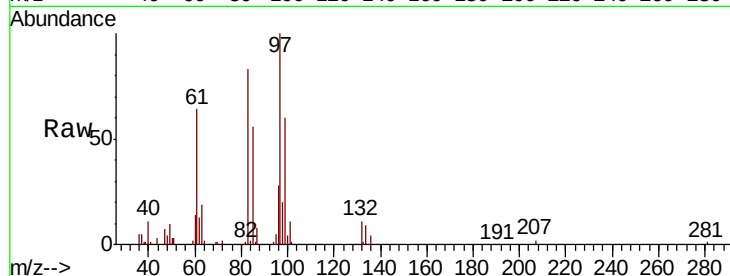




#55
 1,1,2-Trichloroethane
 Concen: 22.539 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. -0.00 min
 Lab File: VD064342.D
 Acq: 22 Nov 2019 12:41

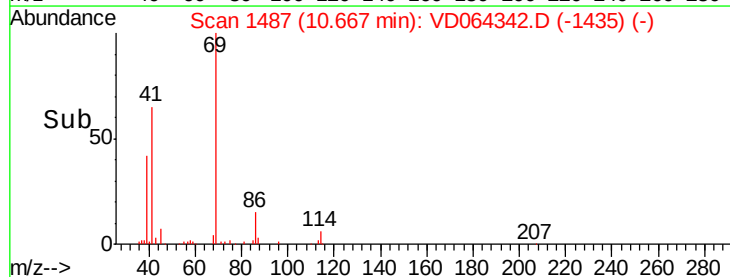
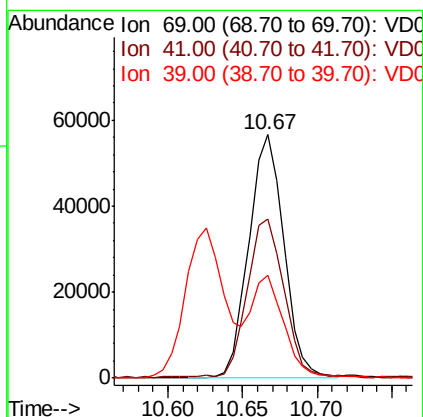
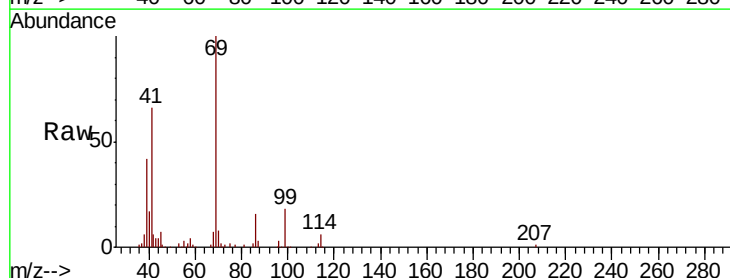
Instrument :
 MSVOA_D
 ClientSampleId :

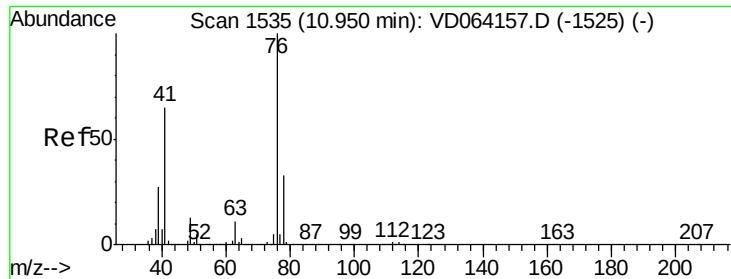
Tot Ion:	97	Resp:	71292
Ion	Ratio	Lower	Upper
97	100		
83	83.0	65.1	97.7
85	56.1	42.0	63.0
99	59.9	48.9	73.3



#56
 Ethyl methacrylate
 Concen: 20.839 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. 0.01 min
 Lab File: VD064342.D
 Acq: 22 Nov 2019 12:41

Tgt Ion:	69	Resp:	92204
Ion	Ratio	Lower	Upper
69	100		
41	69.8	57.9	86.9
39	39.6	29.0	43.4

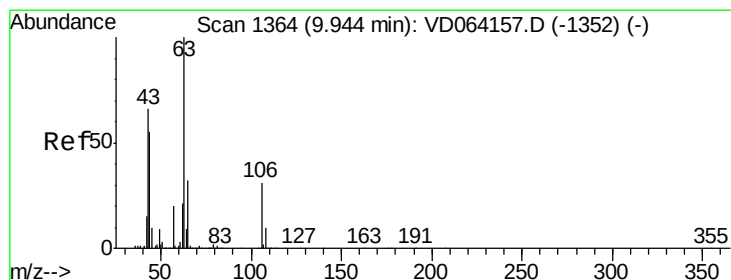
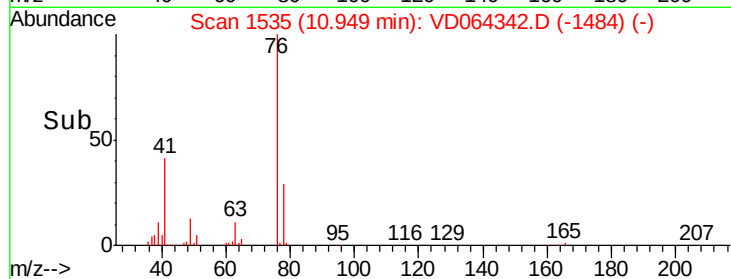
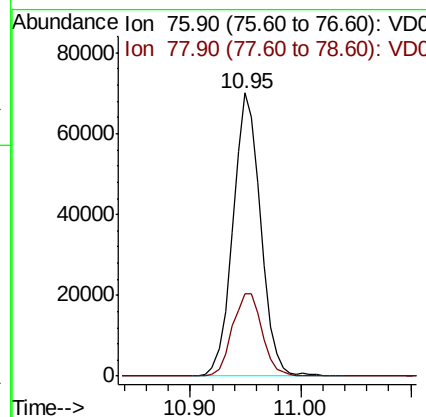
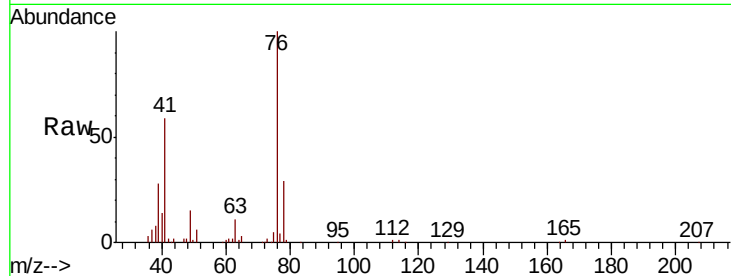




#57
 1,3-Dichloropropane
 Concen: 22.275 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. -0.00 min
 Lab File: VD064342.D
 Acq: 22 Nov 2019 12:41

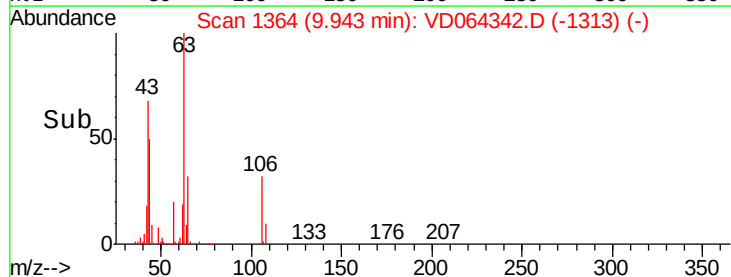
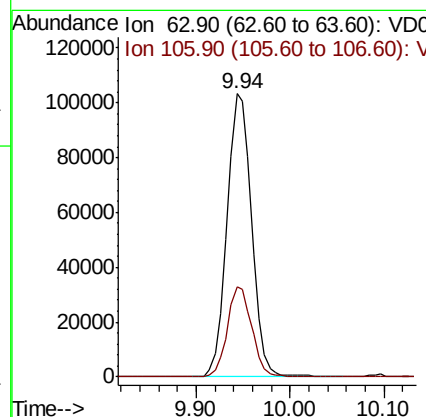
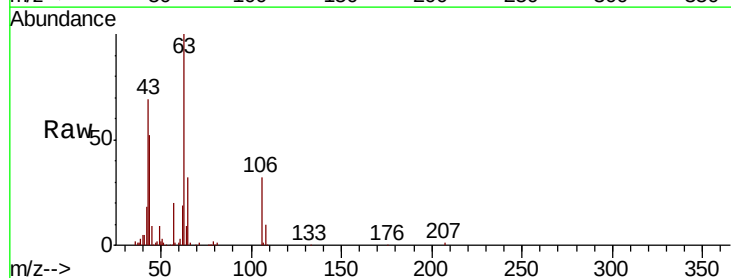
Instrument :
 MSVOA_D
 ClientSampleId :

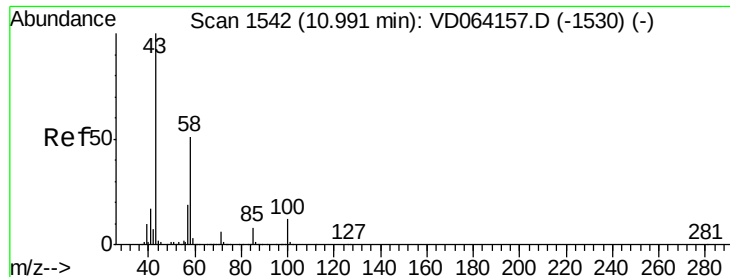
Tot Ion: 76 Resp: 122874
 Ion Ratio Lower Upper
 76 100
 78 31.5 26.2 39.4



#58
 2-Chloroethyl Vinyl ether
 Concen: 104.985 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. -0.00 min
 Lab File: VD064342.D
 Acq: 22 Nov 2019 12:41

Tgt Ion: 63 Resp: 188164
 Ion Ratio Lower Upper
 63 100
 106 31.5 24.1 36.1

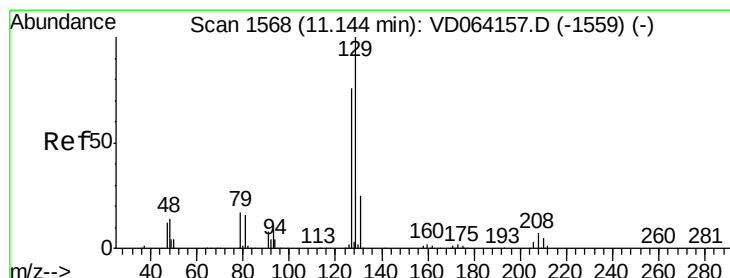
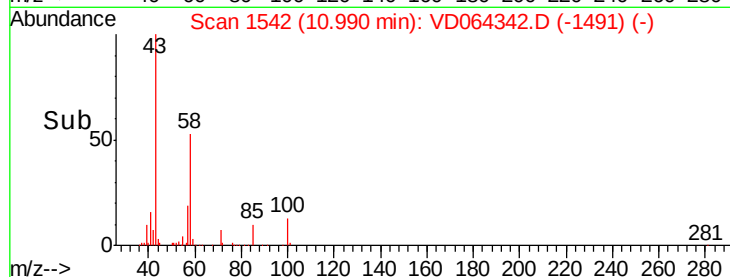
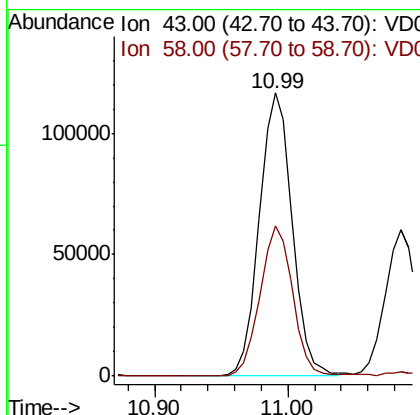
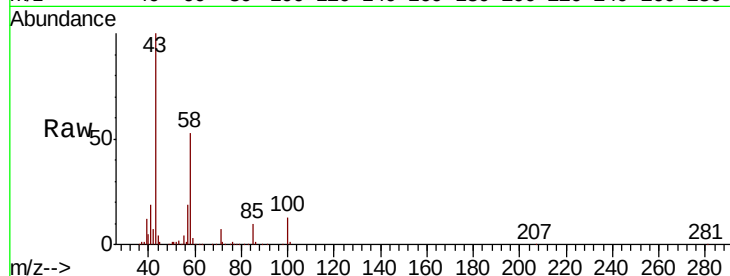




#59
2-Hexanone
Concen: 102.134 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. -0.00 min
Lab File: VD064342.D
Acq: 22 Nov 2019 12:41

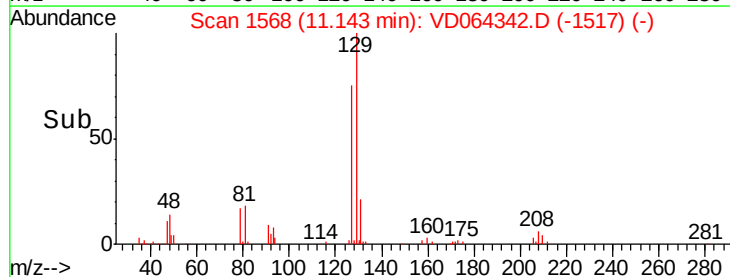
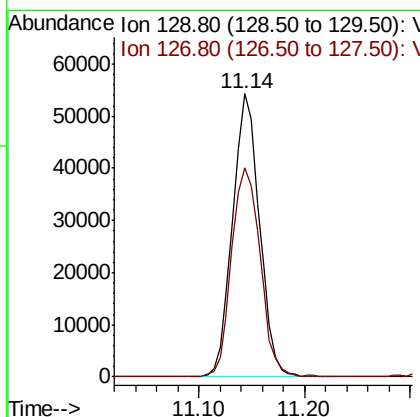
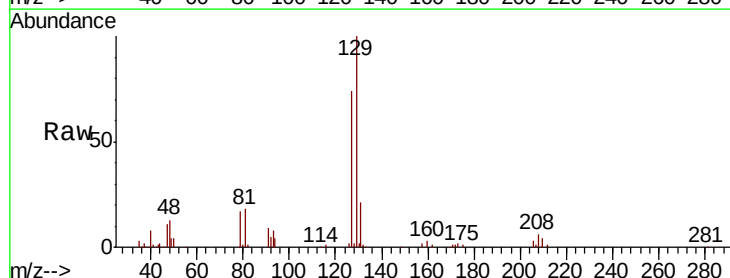
Instrument :
MSVOA_D
ClientSampleId :

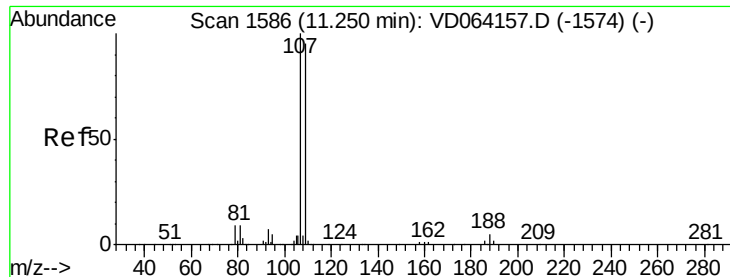
Tot Ion: 43 Resp: 198162
Ion Ratio Lower Upper
43 100
58 53.0 25.9 77.7



#60
Dibromochloromethane
Concen: 21.687 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VD064342.D
Acq: 22 Nov 2019 12:41

Tgt Ion: 129 Resp: 95715
Ion Ratio Lower Upper
129 100
127 78.1 38.6 115.8

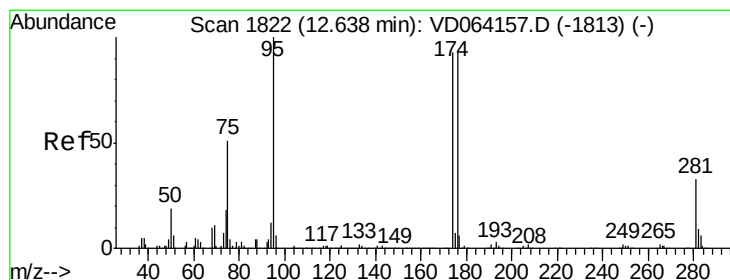
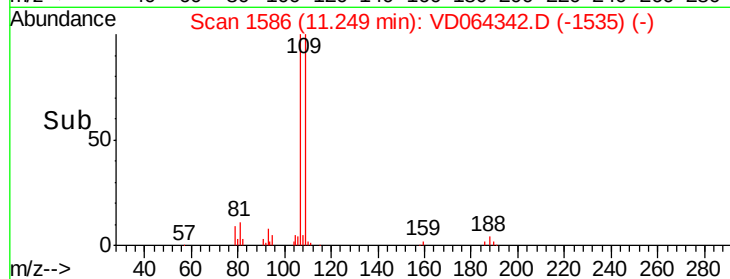
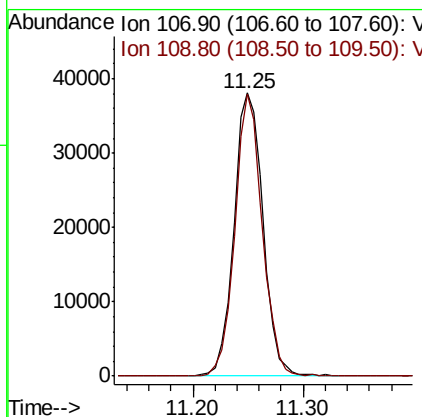
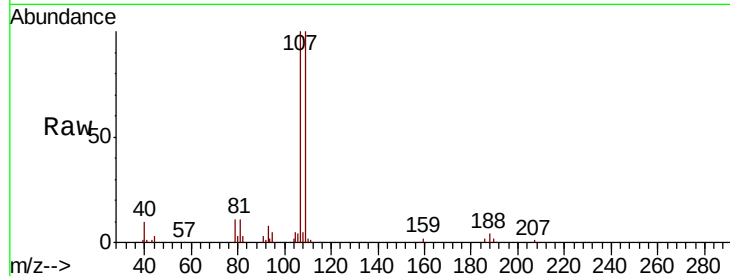




#61
 1,2-Dibromoethane
 Concen: 22.073 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. -0.00 min
 Lab File: VD064342.D
 Acq: 22 Nov 2019 12:41

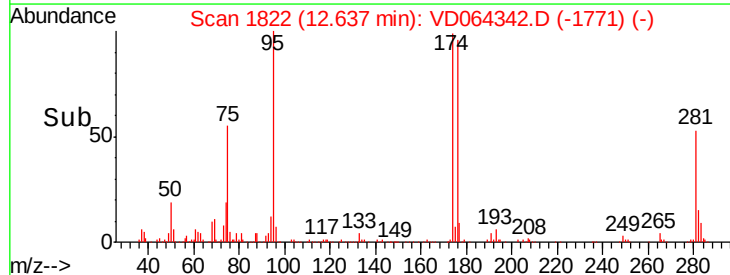
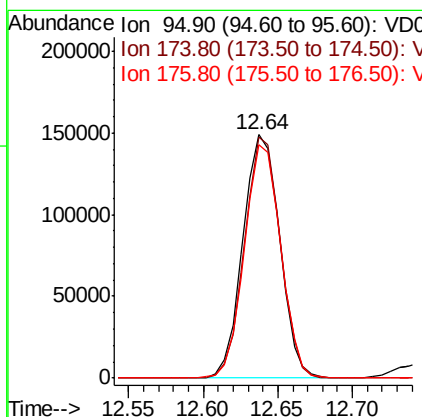
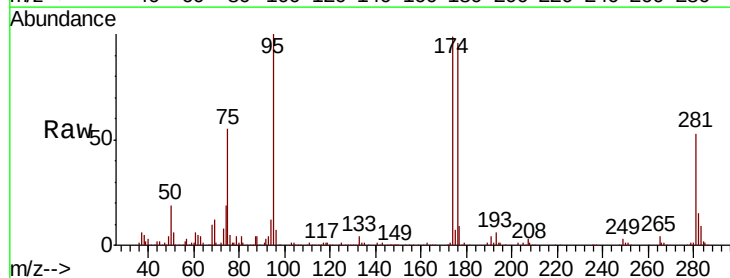
Instrument :
 MSVOA_D
 ClientSampleId :

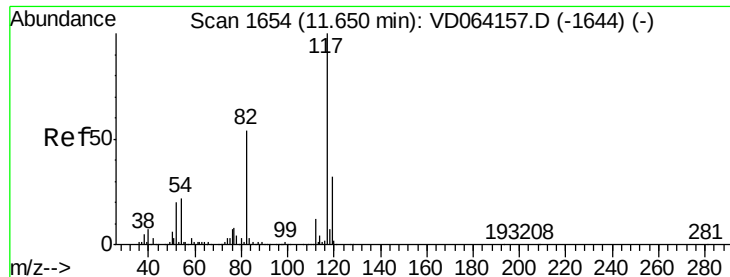
Tot Ion: 107 Resp: 69928
 Ion Ratio Lower Upper
 107 100
 109 94.0 75.1 112.7



#62
 4-Bromofluorobenzene
 Concen: 47.793 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. -0.00 min
 Lab File: VD064342.D
 Acq: 22 Nov 2019 12:41

Tgt Ion: 95 Resp: 254250
 Ion Ratio Lower Upper
 95 100
 174 96.2 0.0 183.6
 176 94.4 0.0 180.2

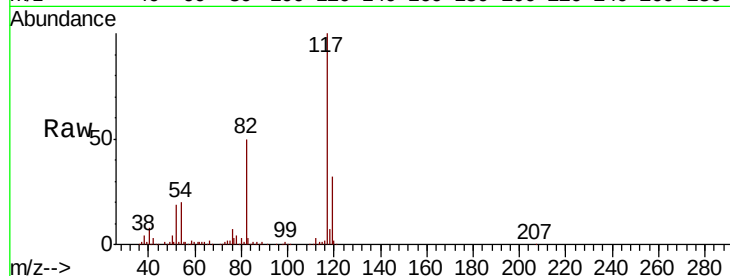




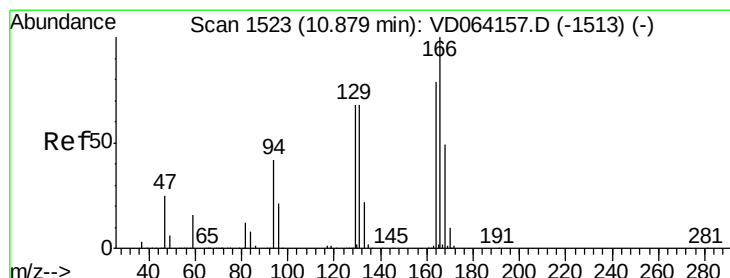
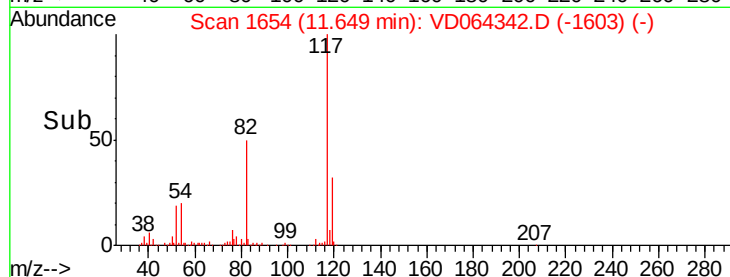
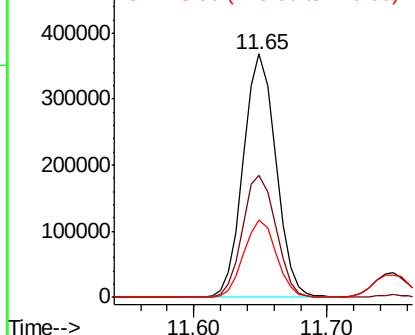
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD064342.D
Acq: 22 Nov 2019 12:41

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:117 Resp: 624360
Ion Ratio Lower Upper
117 100
82 50.2 42.8 64.2
119 32.0 25.6 38.4

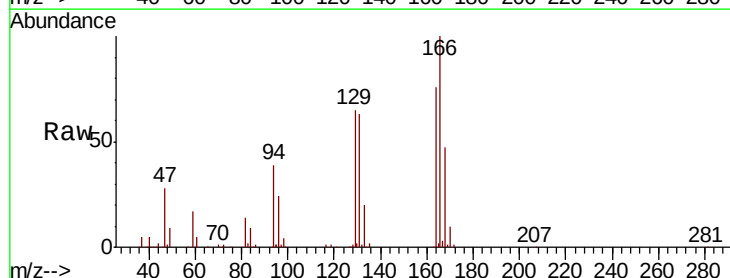


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

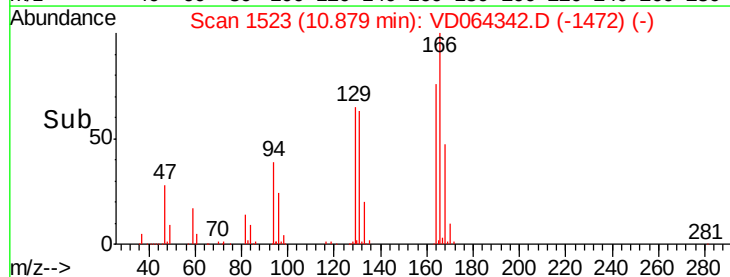
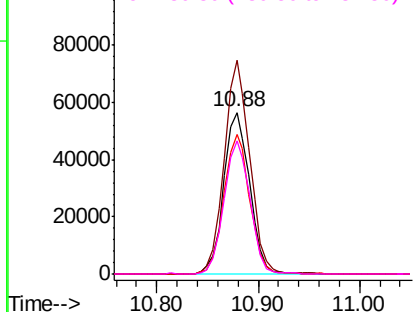


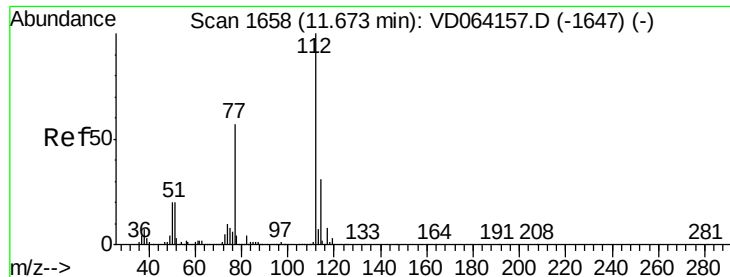
#64
Tetrachloroethene
Concen: 20.807 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. -0.00 min
Lab File: VD064342.D
Acq: 22 Nov 2019 12:41

Tgt Ion:164 Resp: 99911
Ion Ratio Lower Upper
164 100
166 131.9 100.8 151.2
129 86.0 68.7 103.1
131 82.6 68.1 102.1



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

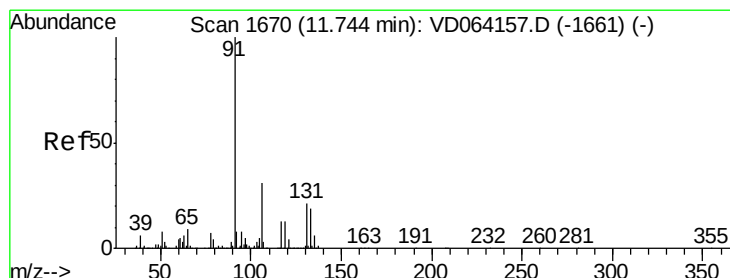
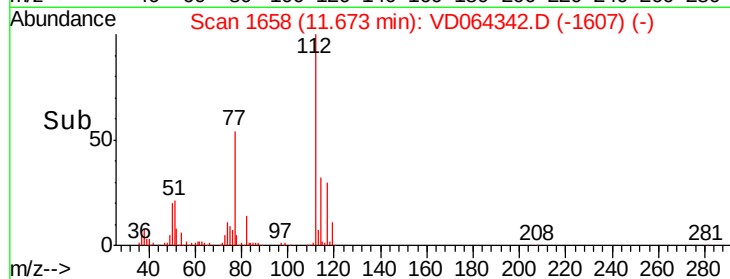
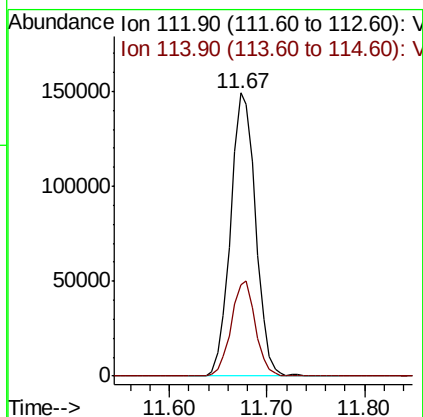
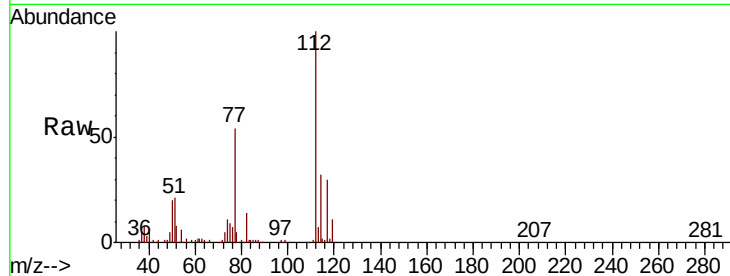




#65
Chlorobenzene
Concen: 20.880 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. -0.00 min
Lab File: VD064342.D
Acq: 22 Nov 2019 12:41

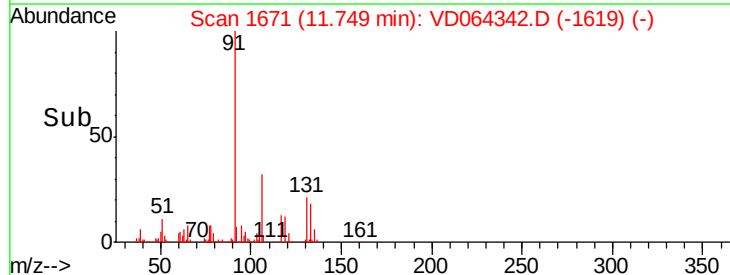
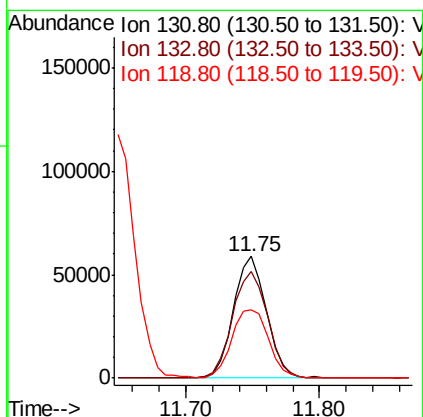
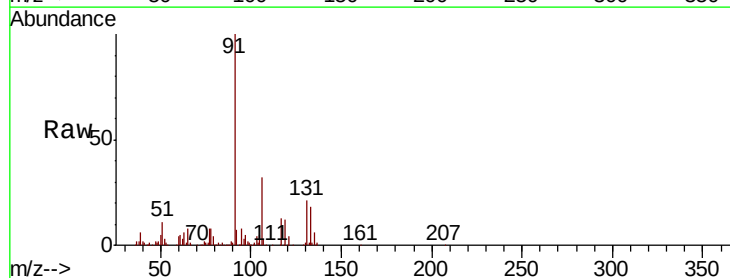
Instrument :
MSVOA_D
ClientSampleId :

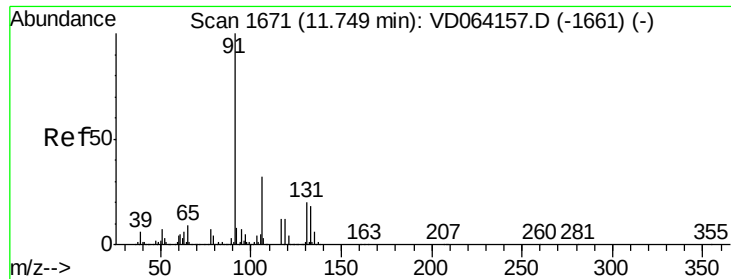
Tot Ion:112 Resp: 265101
Ion Ratio Lower Upper
112 100
114 32.4 25.2 37.8



#66
1,1,1,2-Tetrachloroethane
Concen: 21.000 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.01 min
Lab File: VD064342.D
Acq: 22 Nov 2019 12:41

Tgt Ion:131 Resp: 101381
Ion Ratio Lower Upper
131 100
133 93.0 47.3 141.9
119 62.8 31.1 93.3

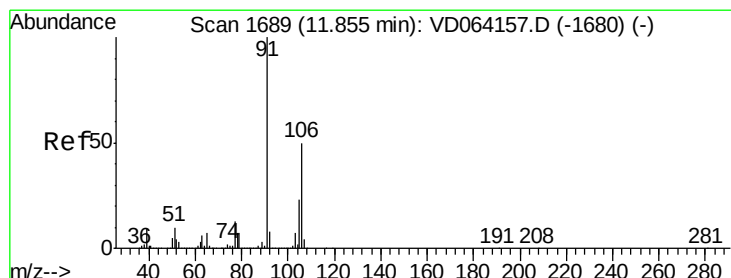
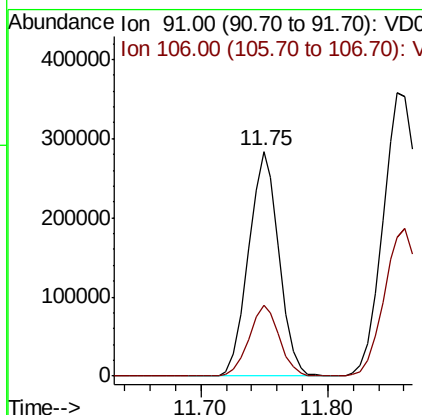
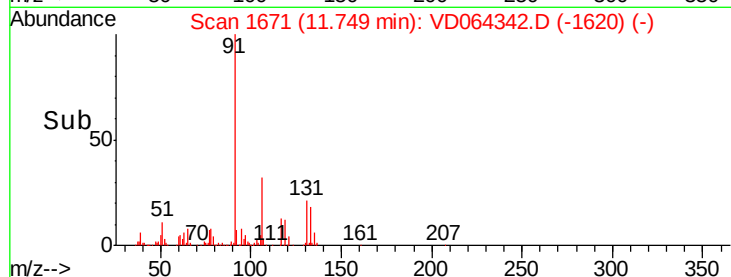
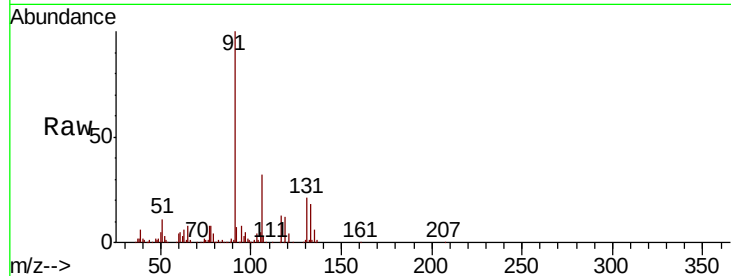




#67
Ethyl Benzene
Concen: 20.544 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VD064342.D
Acq: 22 Nov 2019 12:41

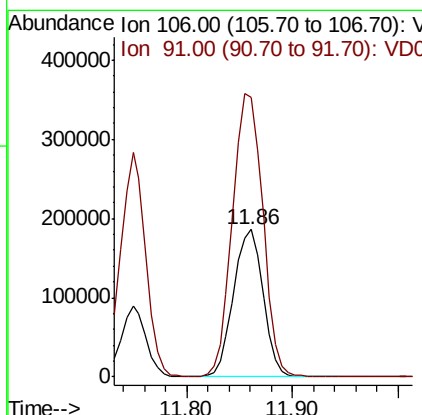
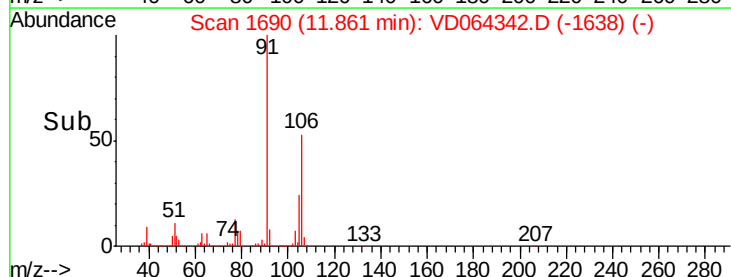
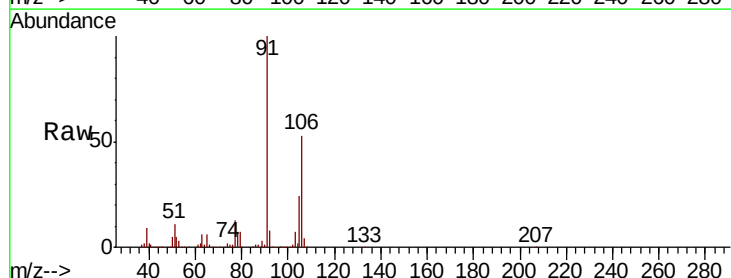
Instrument :
MSVOA_D
ClientSampled :

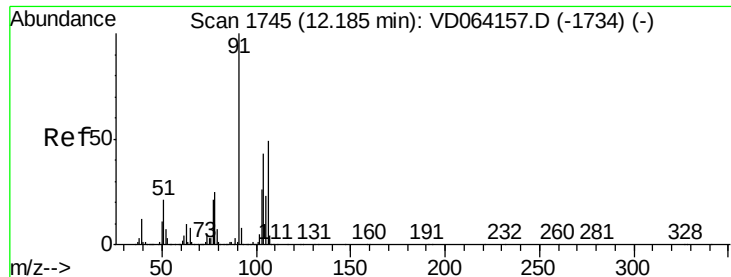
Tot Ion: 91 Resp: 471804
Ion Ratio Lower Upper
91 100
106 31.6 25.5 38.3



#68
m/p-Xylenes
Concen: 41.038 ug/l
RT: 11.86 min Scan# 1690
Delta R.T. 0.01 min
Lab File: VD064342.D
Acq: 22 Nov 2019 12:41

Tgt Ion: 106 Resp: 361250
Ion Ratio Lower Upper
106 100
91 197.4 160.3 240.5

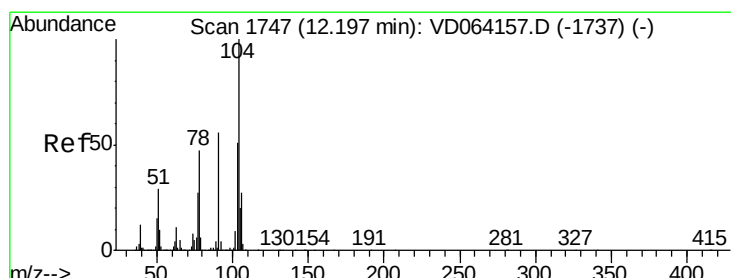
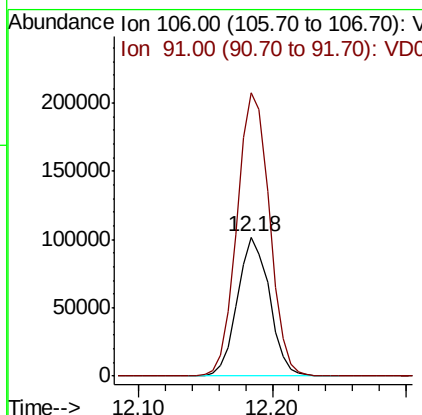
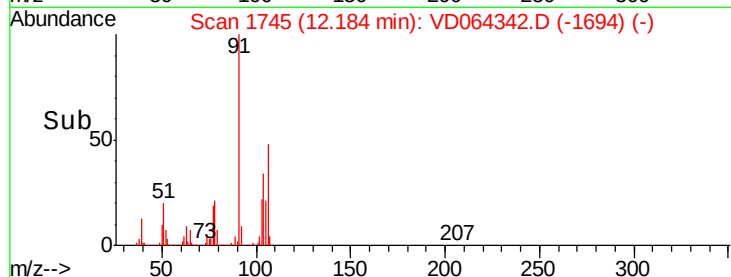
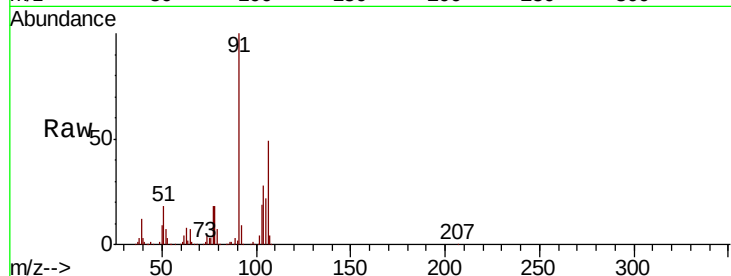




#69
o-Xylene
Concen: 20.691 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. -0.00 min
Lab File: VD064342.D
Acq: 22 Nov 2019 12:41

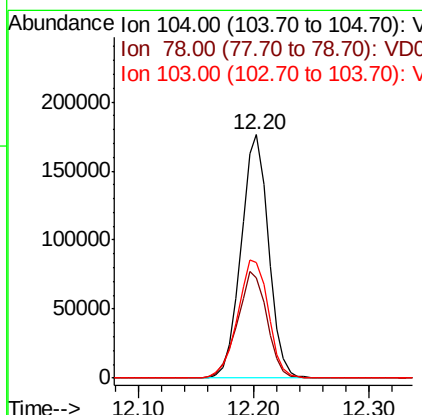
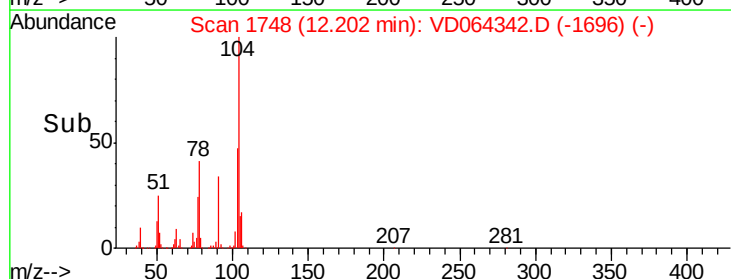
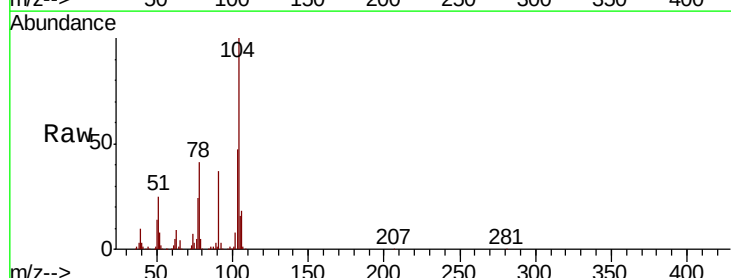
Instrument :
MSVOA_D
ClientSampleId :

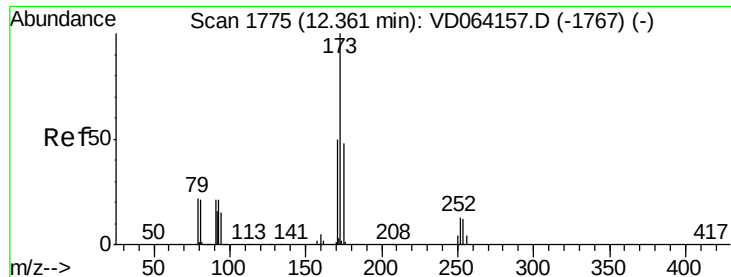
Tot Ion:106 Resp: 168919
Ion Ratio Lower Upper
106 100
91 207.1 105.1 315.3



#70
Styrene
Concen: 20.422 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. 0.01 min
Lab File: VD064342.D
Acq: 22 Nov 2019 12:41

Tgt Ion:104 Resp: 291026
Ion Ratio Lower Upper
104 100
78 47.3 39.9 59.9
103 54.3 43.4 65.0





#71

Bromoform

Concen: 21.312 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. 0.01 min

Lab File: VD064342.D

Acq: 22 Nov 2019 12:41

Instrument :

MSVOA_D

ClientSampleId :

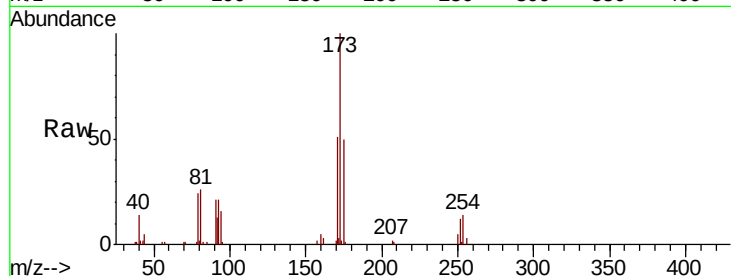
Tot Ion:173 Resp: 58555

Ion Ratio Lower Upper

173 100

175 48.2 24.1 72.3

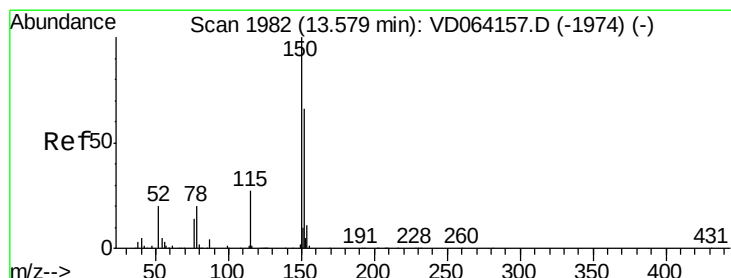
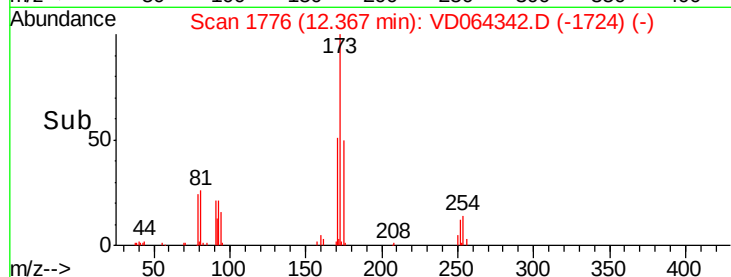
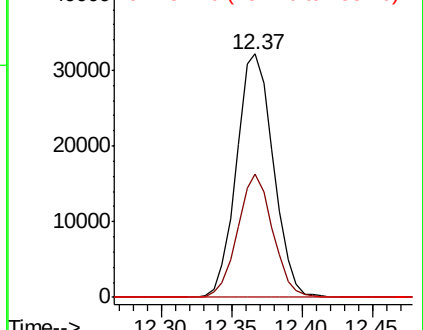
254 0.0 0.2 0.2#



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: VD064342.D

Acq: 22 Nov 2019 12:41

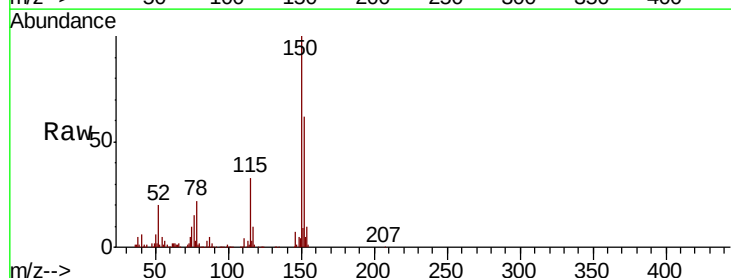
Tgt Ion:152 Resp: 304937

Ion Ratio Lower Upper

152 100

115 53.8 27.4 82.2

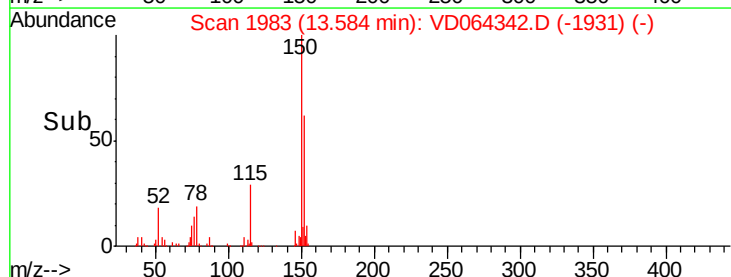
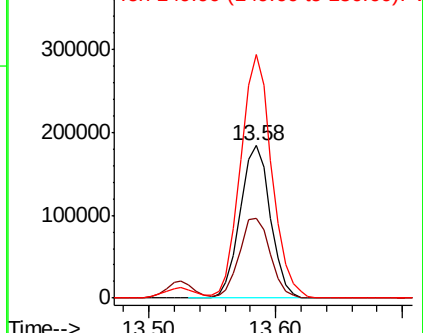
150 164.2 0.0 351.6

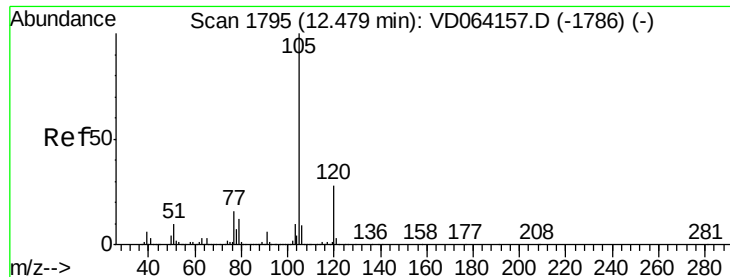


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.610 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.01 min

Lab File: VD064342.D

Acq: 22 Nov 2019 12:41

Instrument :

MSVOA_D

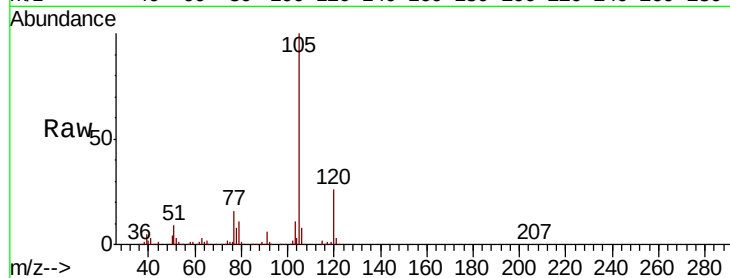
ClientSampleId :

Tot Ion:105 Resp: 461303

Ion Ratio Lower Upper

105 100

120 27.5 13.6 40.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.48

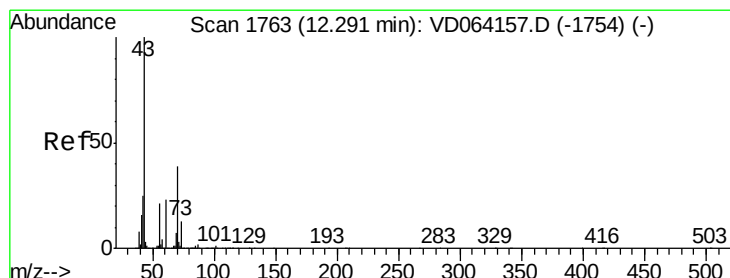
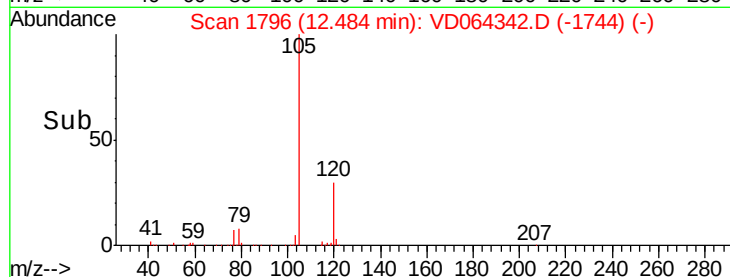
300000

200000

100000

0

Time-->



#74

N-ethyl acetate

Concen: 19.915 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. 0.01 min

Lab File: VD064342.D

Acq: 22 Nov 2019 12:41

Tgt Ion: 43 Resp: 105263

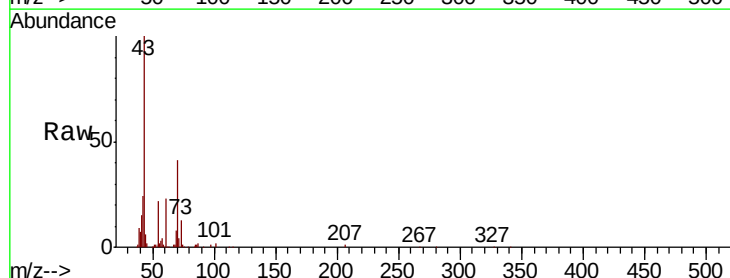
Ion Ratio Lower Upper

43 100

70 41.0 32.4 48.6

55 22.5 17.9 26.9

61 23.7 19.0 28.4



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 61.00 (60.70 to 61.70): VDC

100000

80000

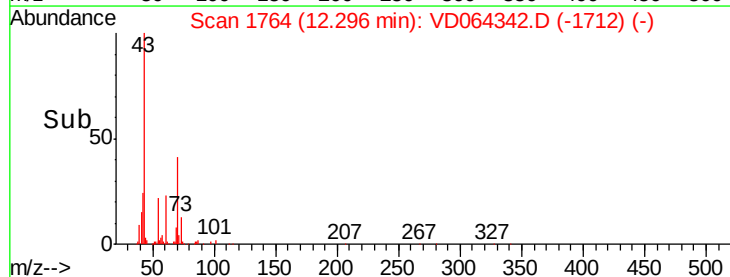
60000

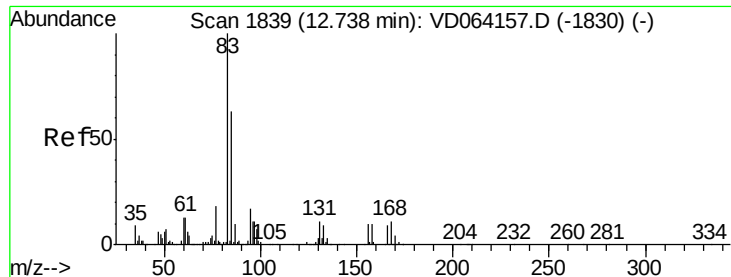
40000

20000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 23.496 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. -0.00 min

Lab File: VD064342.D

Acq: 22 Nov 2019 12:41

Instrument :

MSVOA_D

ClientSampled :

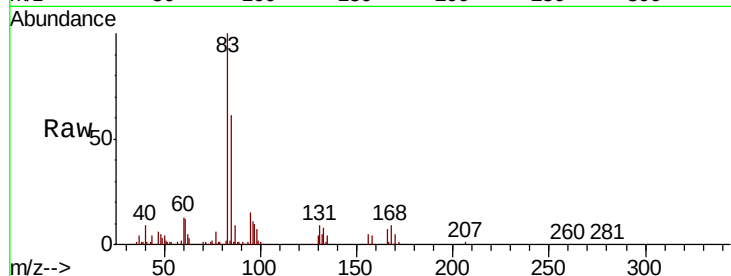
Tot Ion: 83 Resp: 79244

Ion Ratio Lower Upper

83 100

131 10.8 5.9 17.7

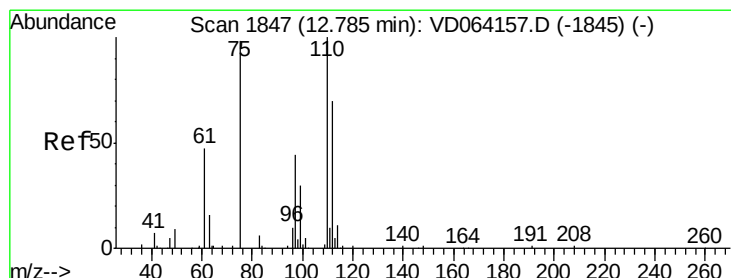
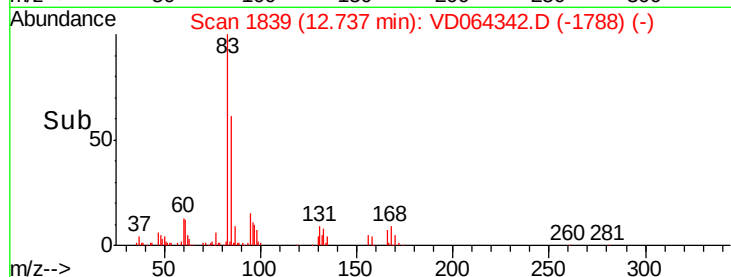
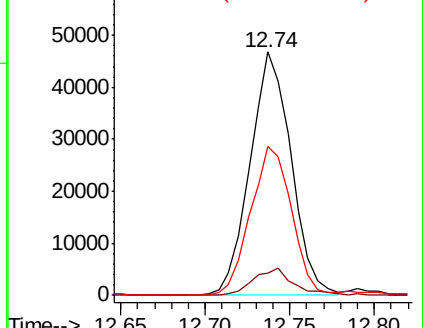
85 61.3 32.5 97.5



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: 40.142 ug/l

RT: 12.79 min Scan# 1848

Delta R.T. 0.01 min

Lab File: VD064342.D

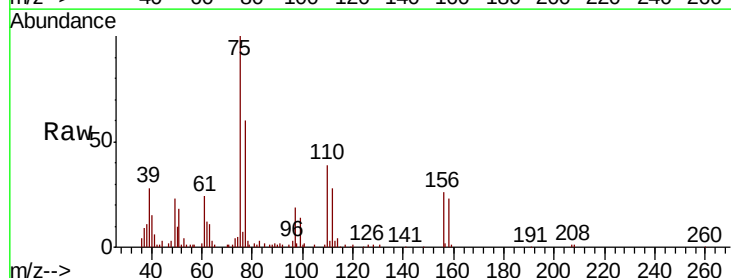
Acq: 22 Nov 2019 12:41

Tgt Ion: 75 Resp: 98596

Ion Ratio Lower Upper

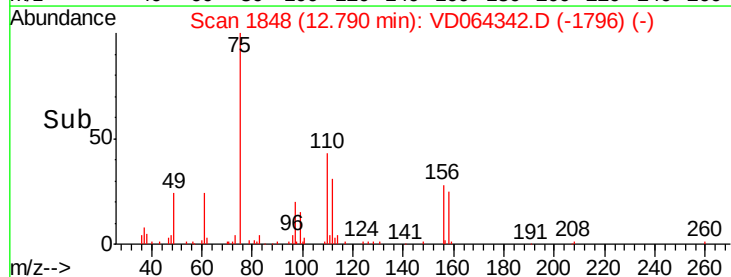
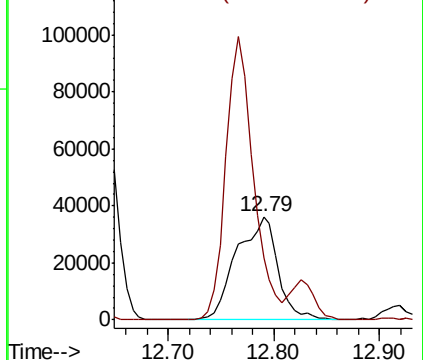
75 100

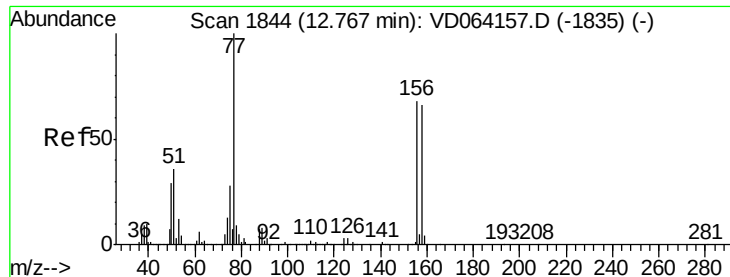
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC





#77

Bromobenzene

Concen: 21.592 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. -0.00 min

Lab File: VD064342.D

Acq: 22 Nov 2019 12:41

Instrument :

MSVOA_D

ClientSampleId :

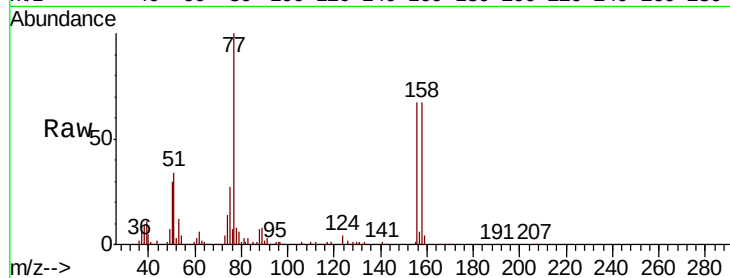
Tot Ion:156 Resp: 117408

Ion Ratio Lower Upper

156 100

77 153.8 81.2 243.4

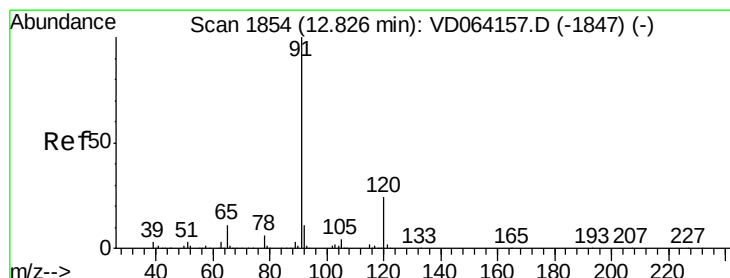
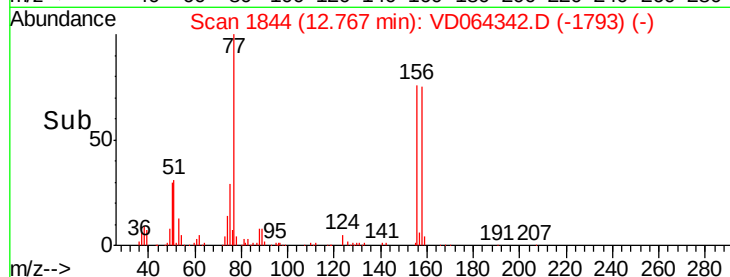
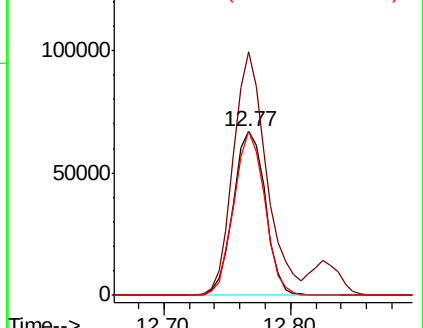
158 96.3 48.4 145.2



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.935 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. -0.00 min

Lab File: VD064342.D

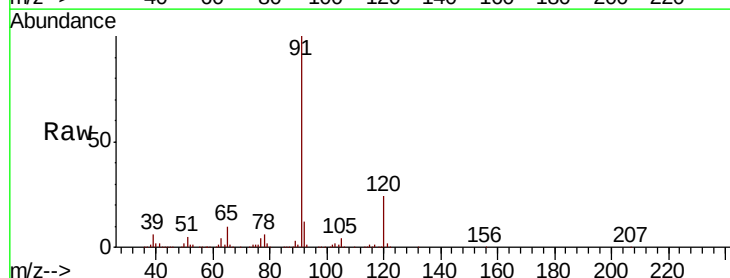
Acq: 22 Nov 2019 12:41

Tgt Ion: 91 Resp: 535360

Ion Ratio Lower Upper

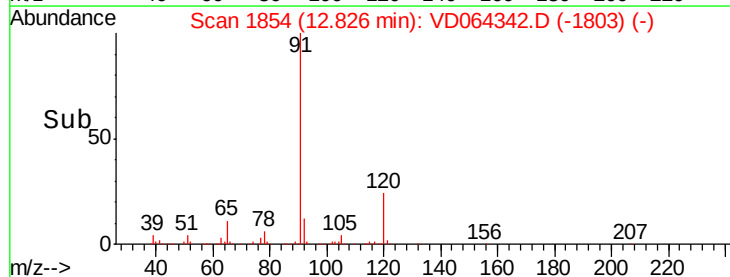
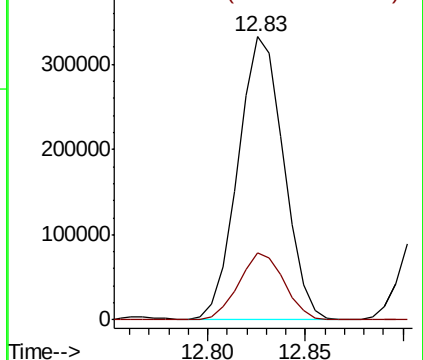
91 100

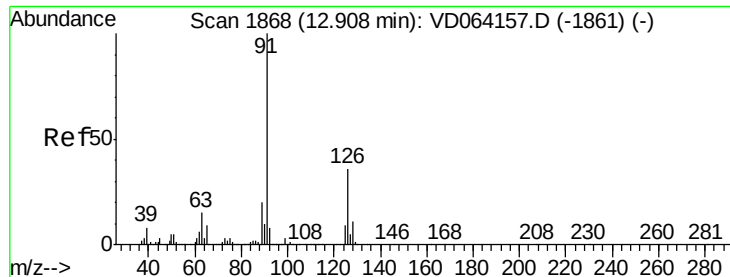
120 23.6 11.8 35.4



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V

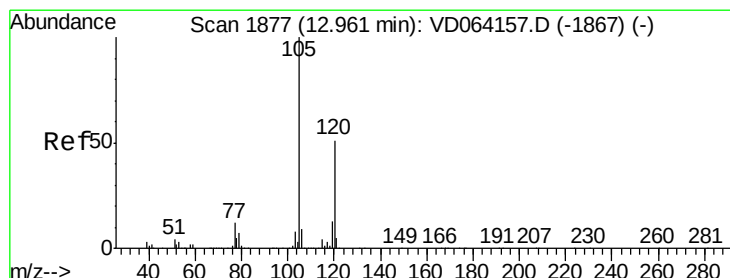
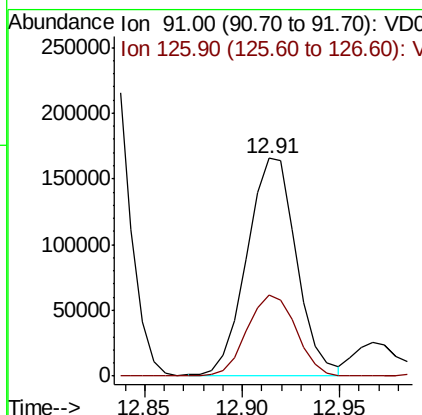
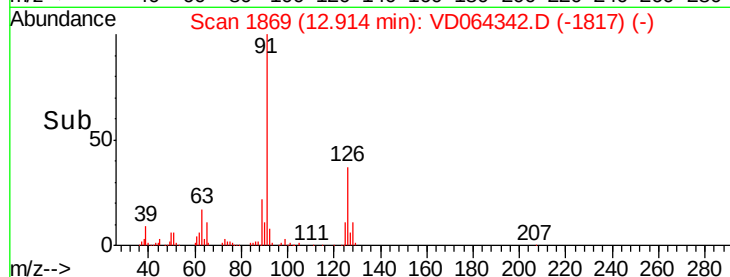
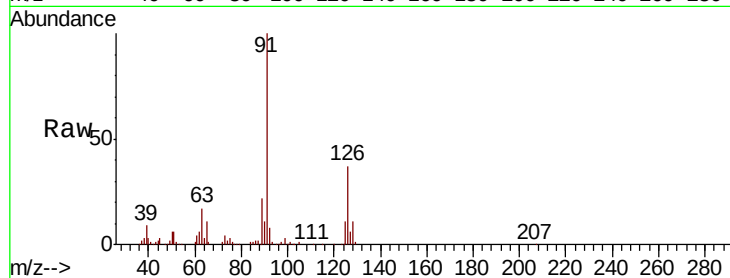




#79
2-Chlorotoluene
Concen: 20.101 ug/l
RT: 12.91 min Scan# 1869
Delta R.T. 0.01 min
Lab File: VD064342.D
Acq: 22 Nov 2019 12:41

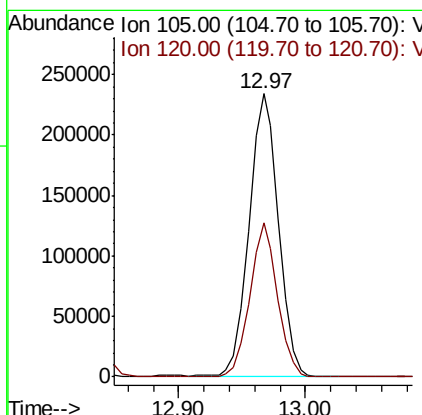
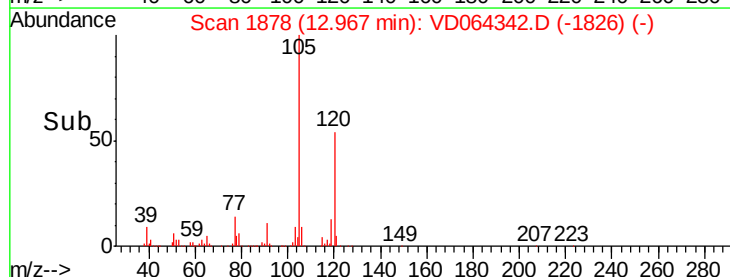
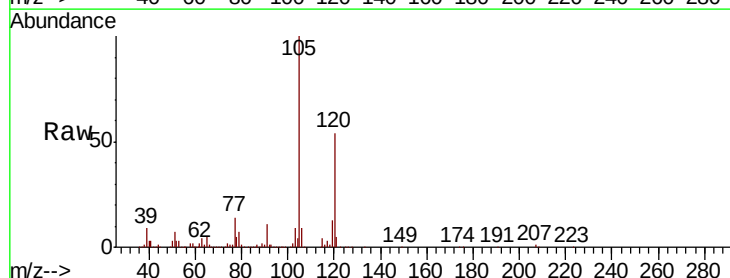
Instrument :
MSVOA_D
ClientSampleId :

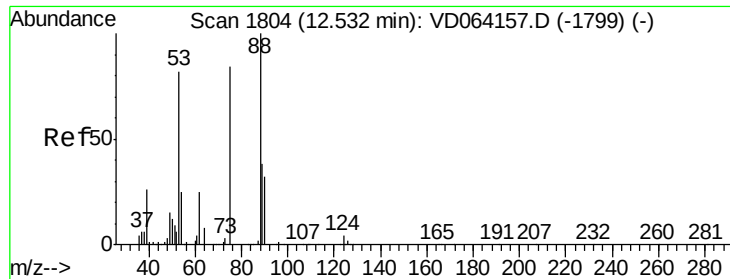
Tot Ion: 91 Resp: 290207
Ion Ratio Lower Upper
91 100
126 37.0 17.7 53.1



#80
1,3,5-Trimethylbenzene
Concen: 20.471 ug/l
RT: 12.97 min Scan# 1878
Delta R.T. 0.01 min
Lab File: VD064342.D
Acq: 22 Nov 2019 12:41

Tgt Ion: 105 Resp: 376488
Ion Ratio Lower Upper
105 100
120 51.3 25.4 76.4





#81

trans-1,4-Dichloro-2-butene

Concen: 19.499 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. -0.00 min

Lab File: VD064342.D

Acq: 22 Nov 2019 12:41

Instrument :

MSVOA_D

ClientSampleId :

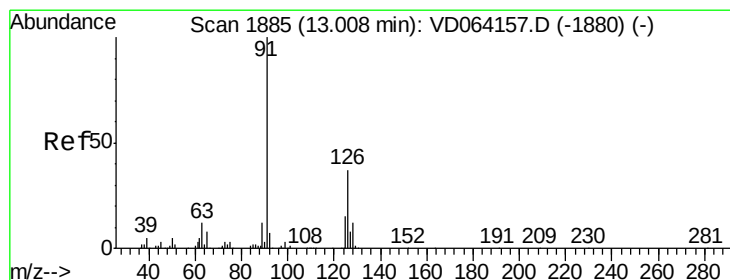
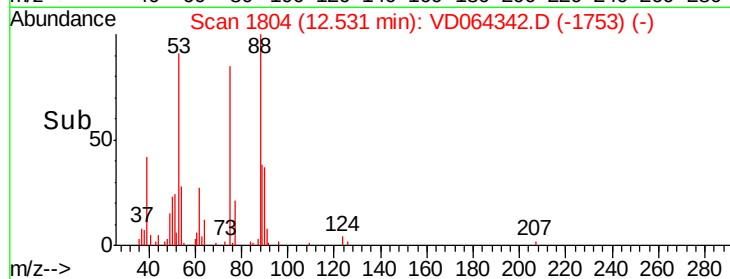
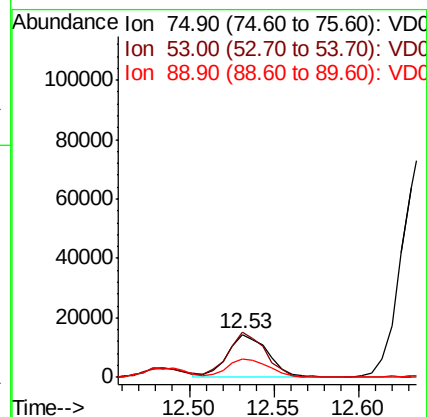
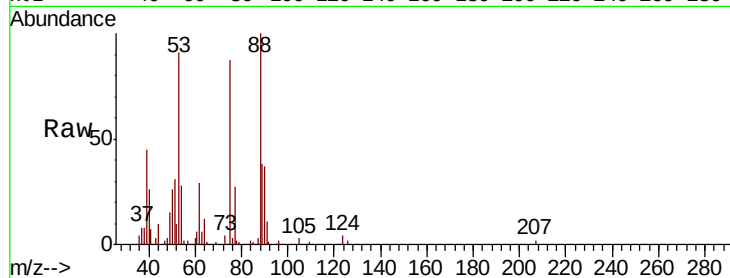
Tot Ion: 75 Resp: 24111

Ion Ratio Lower Upper

75 100

53 97.3 79.4 119.0

89 44.8 36.6 55.0



#82

4-Chlorotoluene

Concen: 20.163 ug/l

RT: 13.01 min Scan# 1886

Delta R.T. 0.01 min

Lab File: VD064342.D

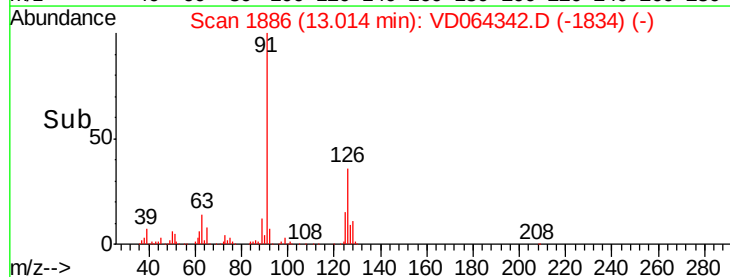
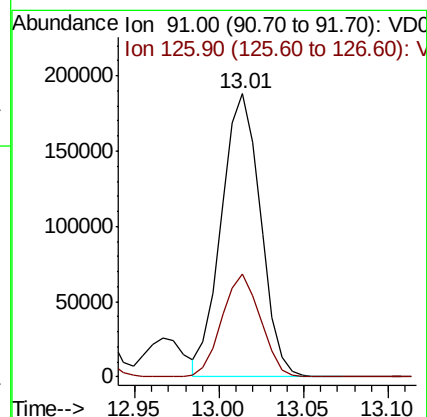
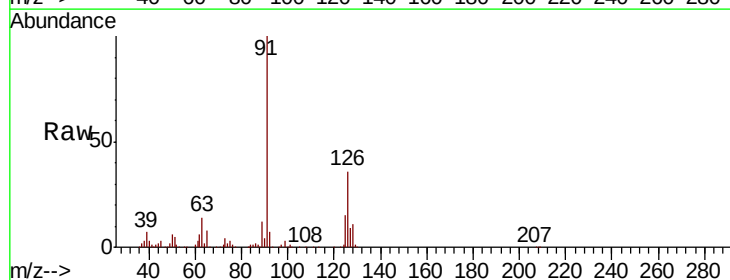
Acq: 22 Nov 2019 12:41

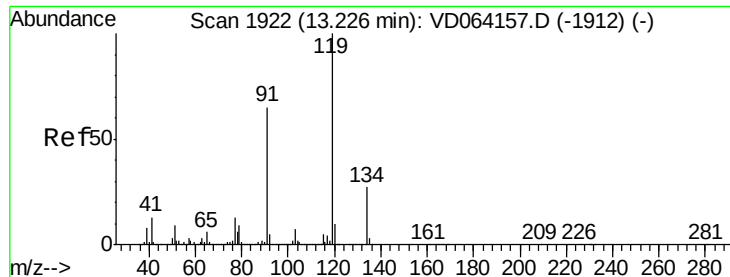
Tgt Ion: 91 Resp: 303627

Ion Ratio Lower Upper

91 100

126 35.8 17.8 53.4

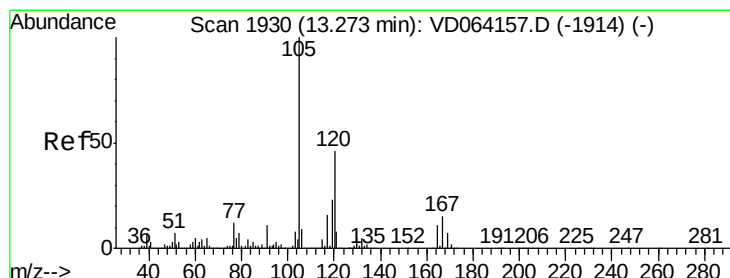
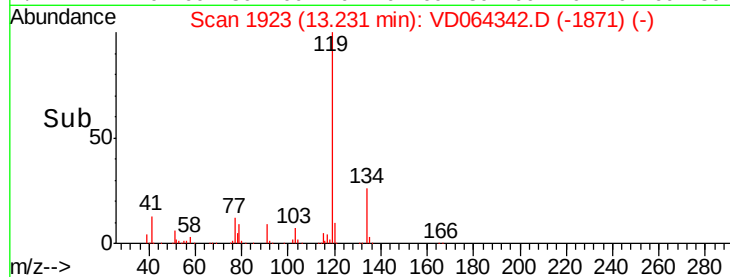
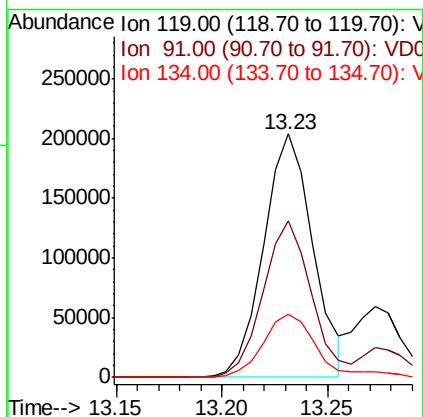
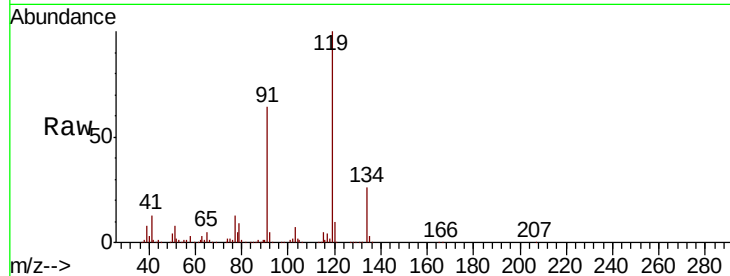




#83
 tert-Butylbenzene
 Concen: 20.407 ug/l
 RT: 13.23 min Scan# 1923
 Delta R.T. 0.01 min
 Lab File: VD064342.D
 Acq: 22 Nov 2019 12:41

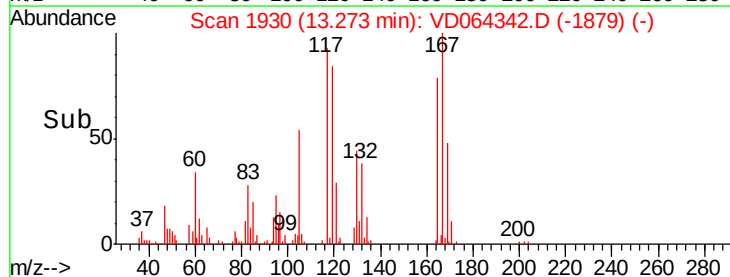
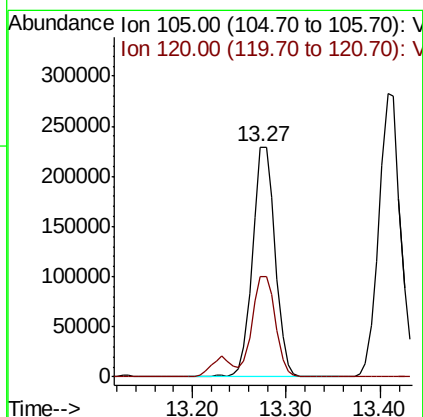
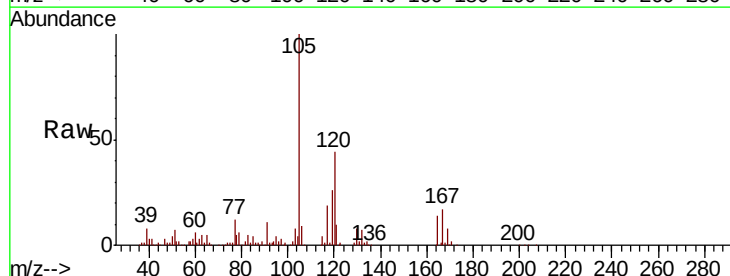
Instrument :
 MSVOA_D
 ClientSampleId :

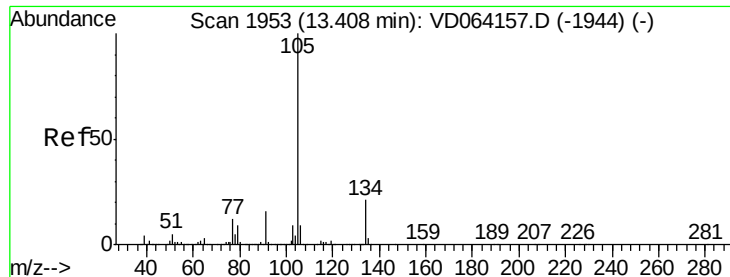
Tot Ion:119 Resp: 330945
 Ion Ratio Lower Upper
 119 100
 91 63.2 31.8 95.4
 134 28.6 13.7 41.0



#84
 1,2,4-Trimethylbenzene
 Concen: 21.025 ug/l
 RT: 13.27 min Scan# 1930
 Delta R.T. -0.00 min
 Lab File: VD064342.D
 Acq: 22 Nov 2019 12:41

Tgt Ion:105 Resp: 381754
 Ion Ratio Lower Upper
 105 100
 120 44.6 23.3 69.8

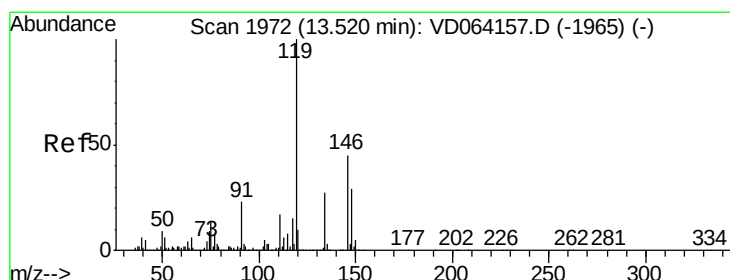
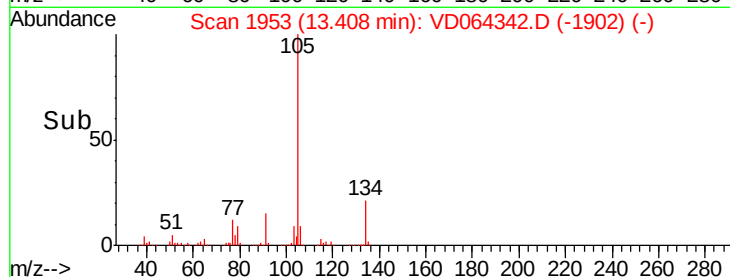
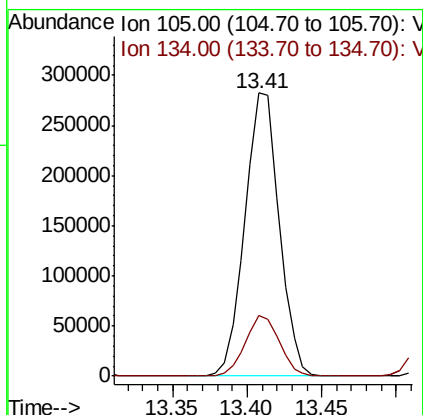
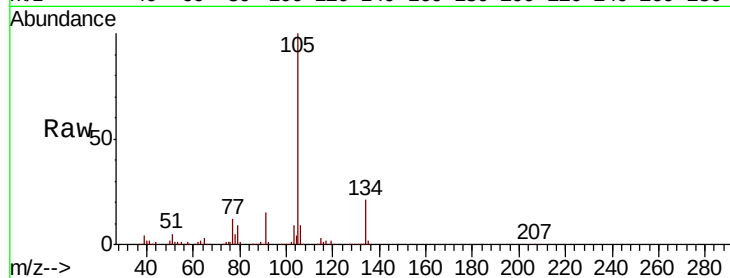




#85
 sec-Butylbenzene
 Concen: 20.643 ug/l
 RT: 13.41 min Scan# 1953
 Delta R.T. -0.00 min
 Lab File: VD064342.D
 Acq: 22 Nov 2019 12:41

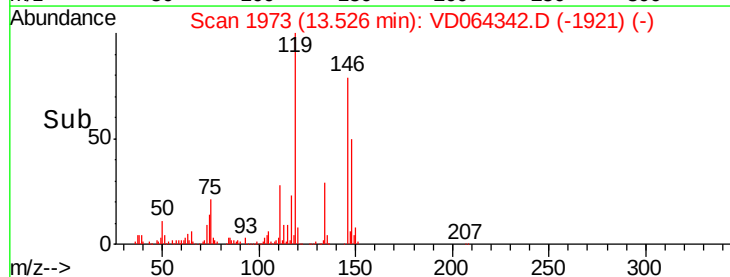
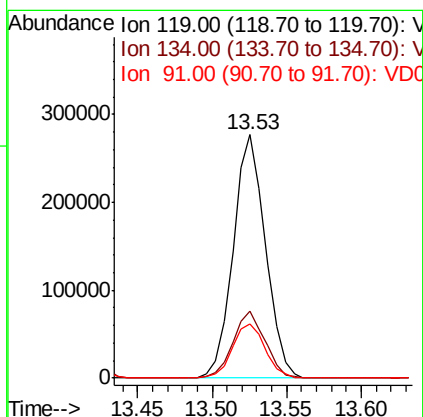
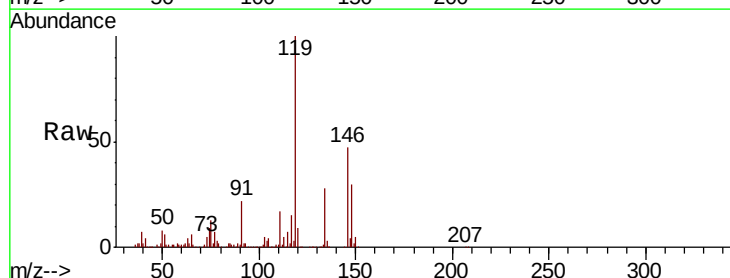
Instrument :
 MSVOA_D
 ClientSampled :

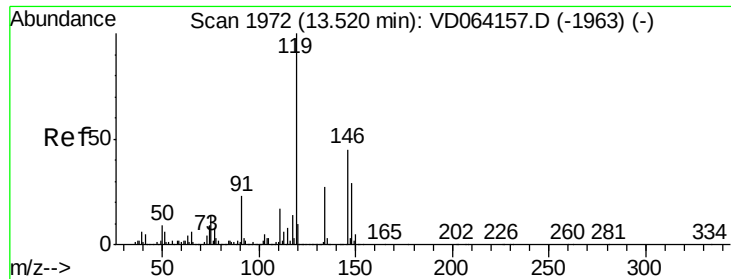
Tot Ion	Ratio	Lower	Upper
105	100		
134	21.2	10.7	31.9



#86
 p-Isopropyltoluene
 Concen: 20.121 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.01 min
 Lab File: VD064342.D
 Acq: 22 Nov 2019 12:41

Tgt Ion	Ratio	Lower	Upper
119	100		
134	27.3	13.5	40.5
91	22.7	11.5	34.4

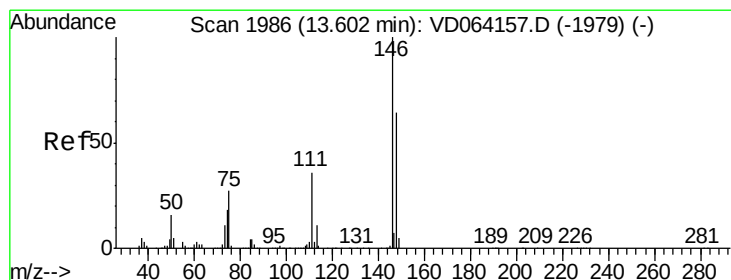
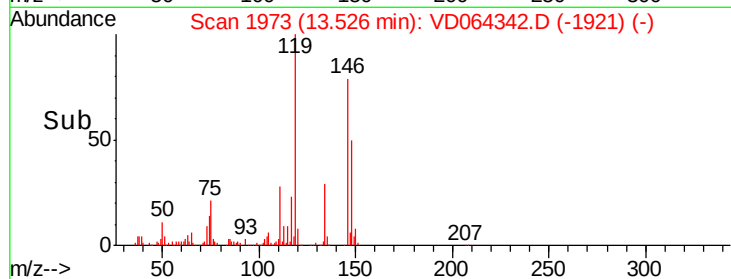
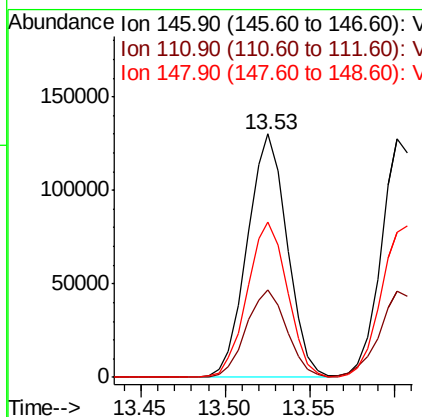
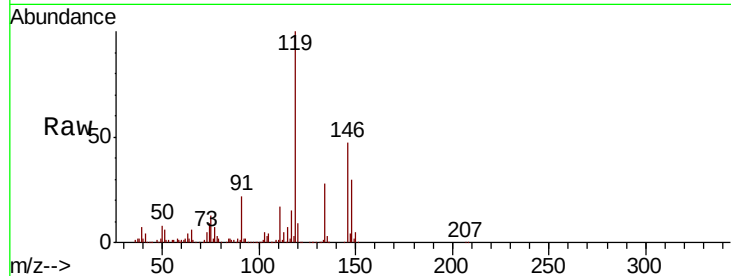




#87
 1,3-Dichlorobenzene
 Concen: 21.187 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.01 min
 Lab File: VD064342.D
 Acq: 22 Nov 2019 12:41

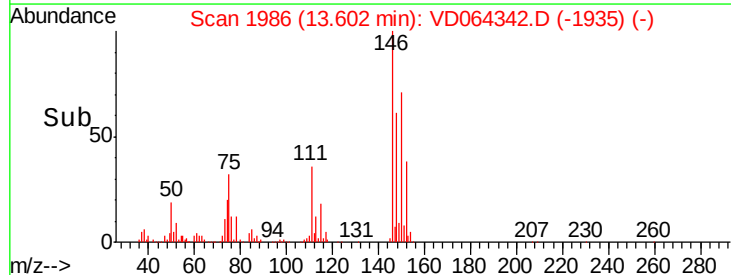
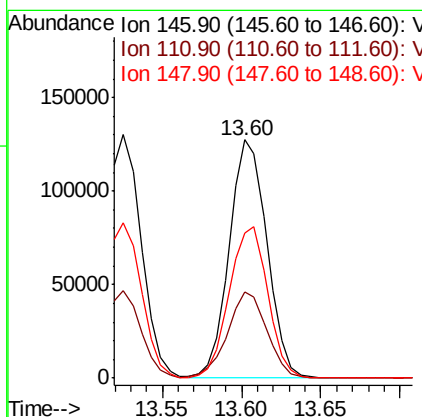
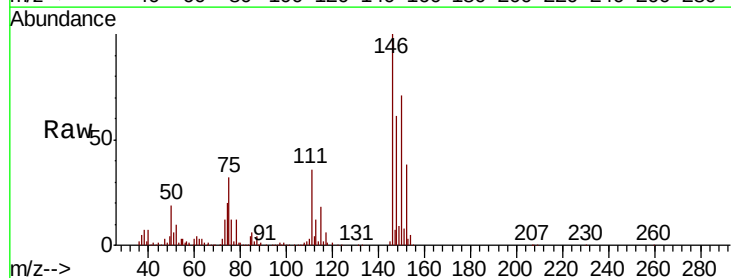
Instrument :
 MSVOA_D
 ClientSampleId :

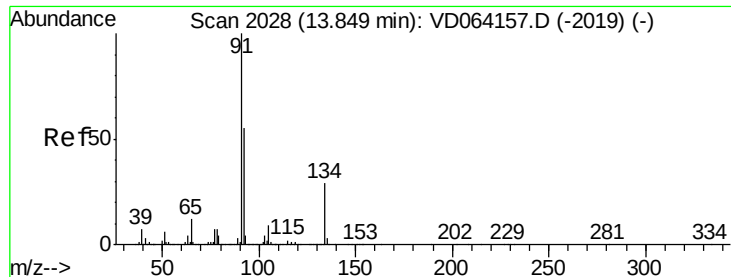
Tot Ion	Ratio	Lower	Upper
146	100		
111	36.3	18.9	56.9
148	64.3	32.1	96.5



#88
 1,4-Dichlorobenzene
 Concen: 21.315 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. -0.00 min
 Lab File: VD064342.D
 Acq: 22 Nov 2019 12:41

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.9	18.1	54.4
148	65.1	31.9	95.7

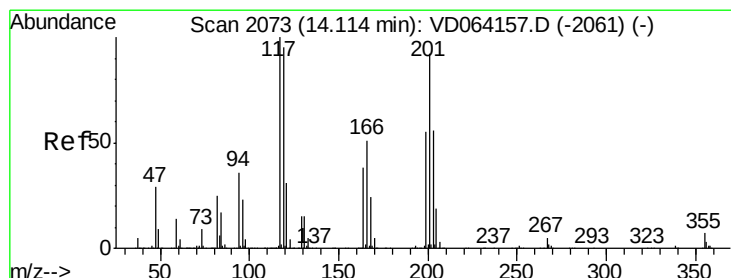
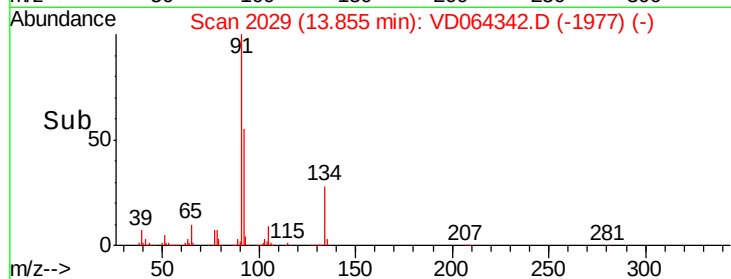
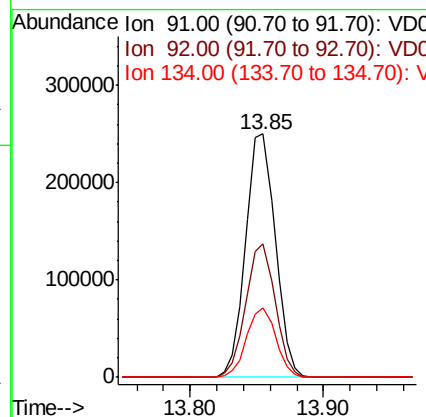
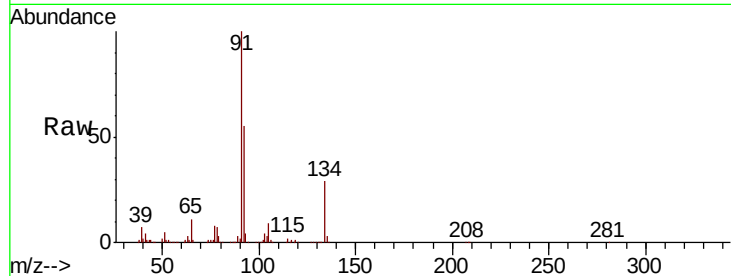




#89
n-Butylbenzene
Concen: 20.553 ug/l
RT: 13.85 min Scan# 2029
Delta R.T. 0.01 min
Lab File: VD064342.D
Acq: 22 Nov 2019 12:41

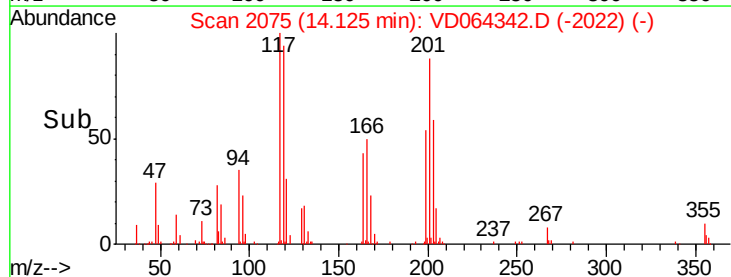
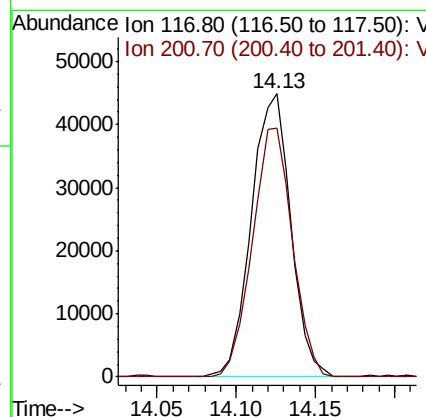
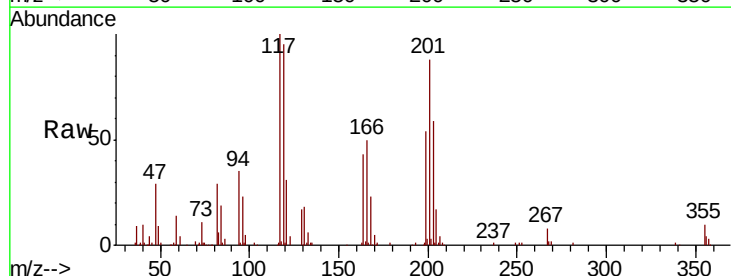
Instrument :
MSVOA_D
ClientSampleId :

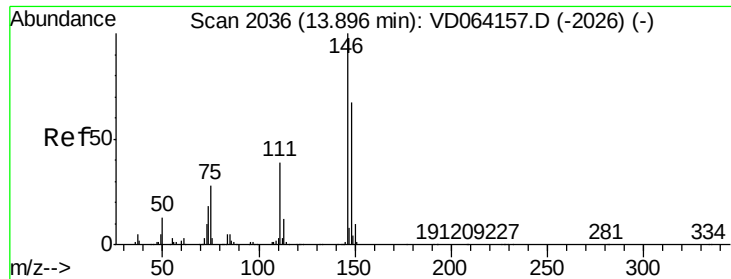
Tot Ion: 91 Resp: 384497
Ion Ratio Lower Upper
91 100
92 54.2 27.3 81.8
134 28.3 14.1 42.4



#90
Hexachloroethane
Concen: 20.316 ug/l
RT: 14.13 min Scan# 2075
Delta R.T. 0.01 min
Lab File: VD064342.D
Acq: 22 Nov 2019 12:41

Tgt Ion: 117 Resp: 77747
Ion Ratio Lower Upper
117 100
201 89.2 45.8 137.4

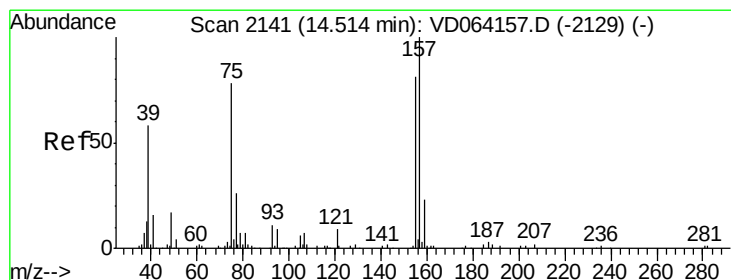
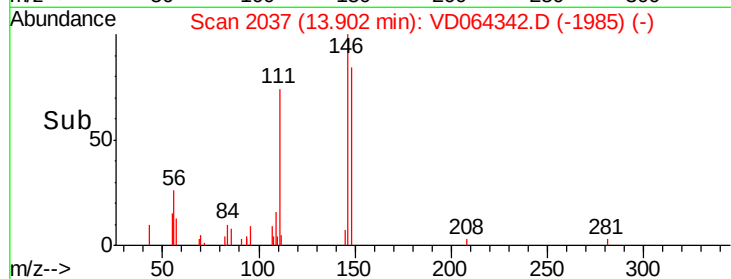
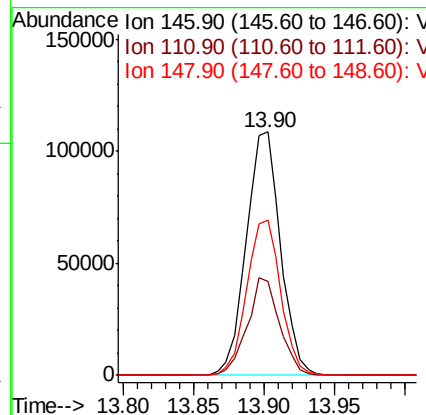
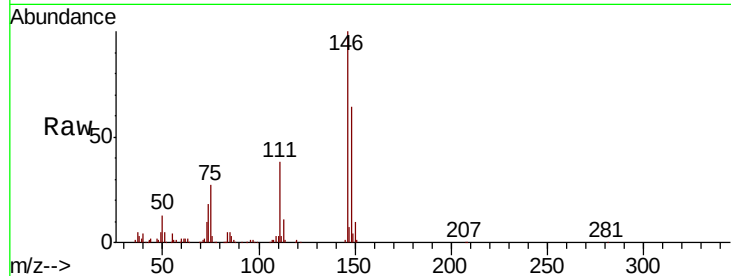




#91
 1,2-Dichlorobenzene
 Concen: 21.630 ug/l
 RT: 13.90 min Scan# 2037
 Delta R.T. 0.01 min
 Lab File: VD064342.D
 Acq: 22 Nov 2019 12:41

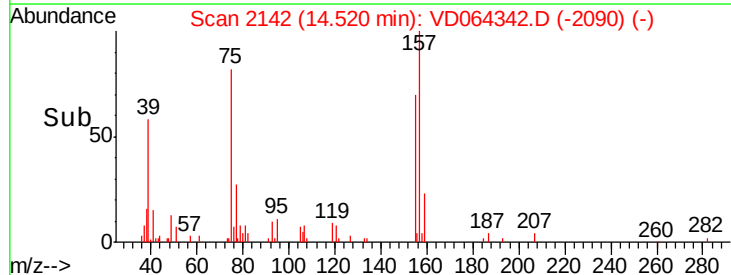
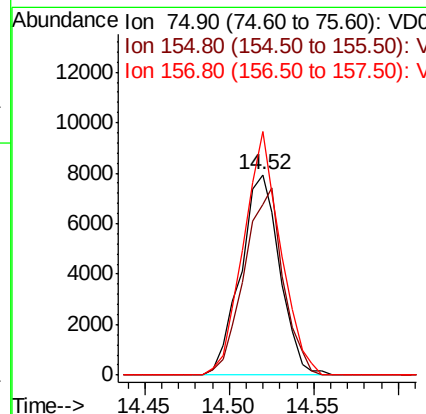
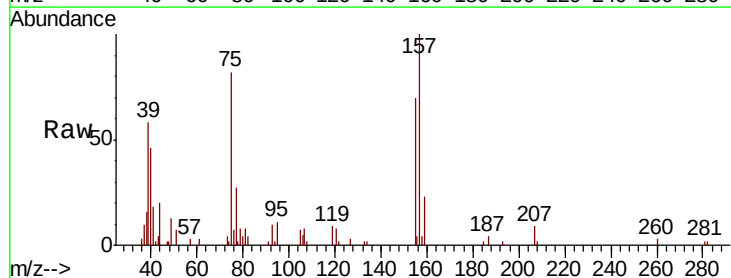
Instrument :
 MSVOA_D
 ClientSampleID :

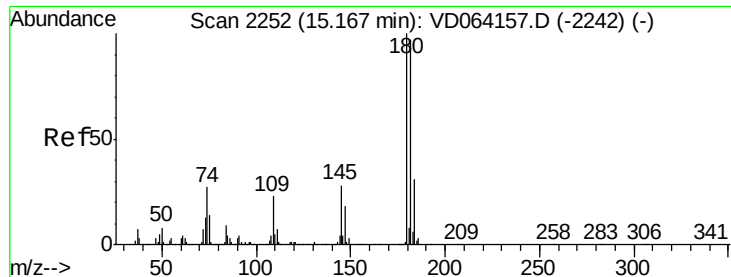
Tot Ion	Ratio	Lower	Upper
146	100		
111	37.9	19.7	59.0
148	63.1	32.3	96.8



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.240 ug/l
 RT: 14.52 min Scan# 2142
 Delta R.T. 0.01 min
 Lab File: VD064342.D
 Acq: 22 Nov 2019 12:41

Tgt Ion	Ratio	Lower	Upper
75	100		
155	92.6	48.0	144.0
157	115.4	61.5	184.4

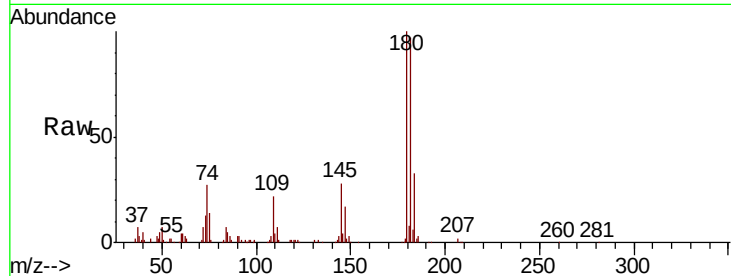




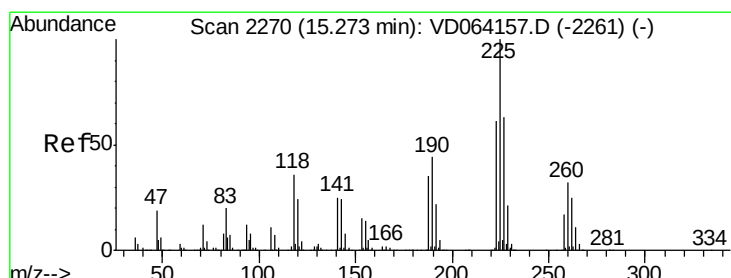
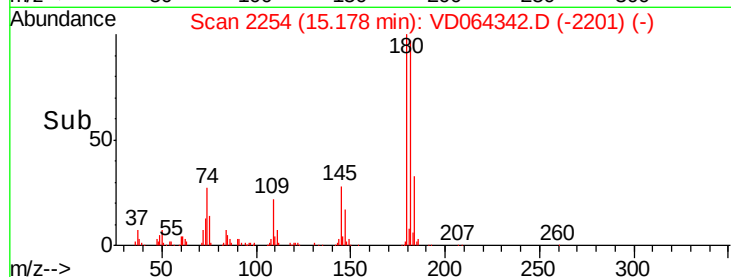
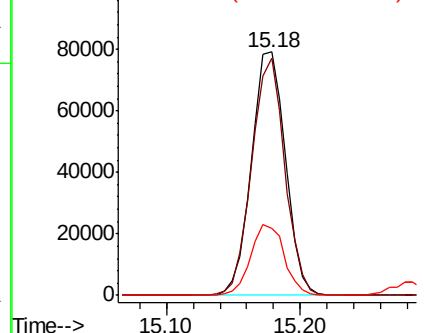
#93
 1,2,4-Trichlorobenzene
 Concen: 21.088 ug/l
 RT: 15.18 min Scan# 2254
 Delta R.T. 0.01 min
 Lab File: VD064342.D
 Acq: 22 Nov 2019 12:41

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.7	47.5	142.5
145	28.7	14.2	42.6

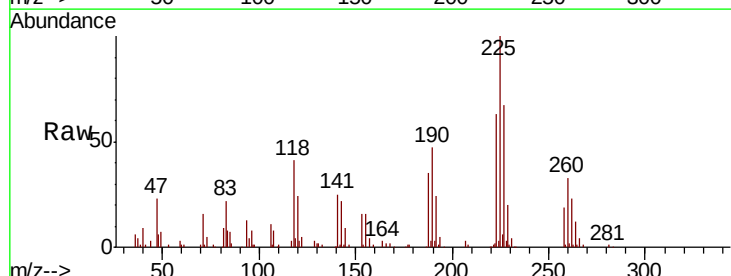


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

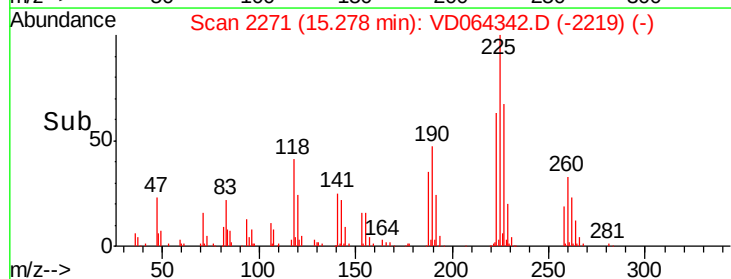
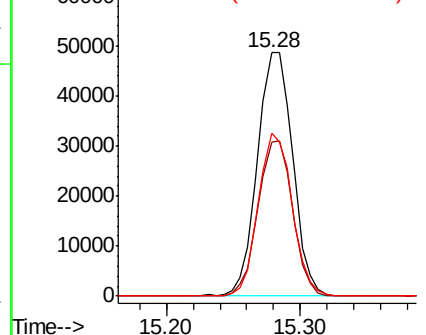


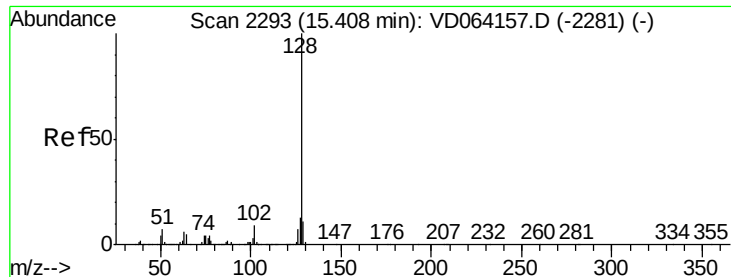
#94
 Hexachlorobutadiene
 Concen: 20.945 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.01 min
 Lab File: VD064342.D
 Acq: 22 Nov 2019 12:41

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.3	31.1	93.3
227	64.0	31.5	94.5



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V

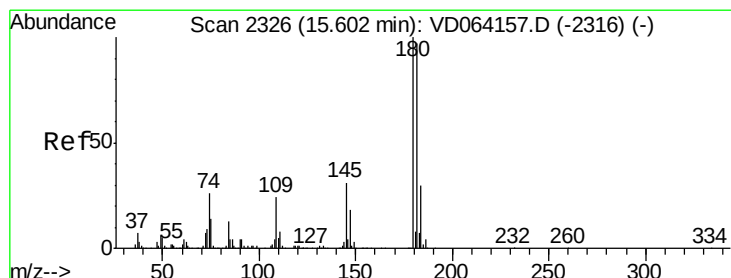
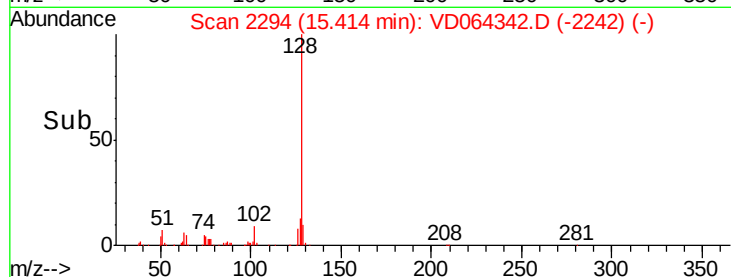
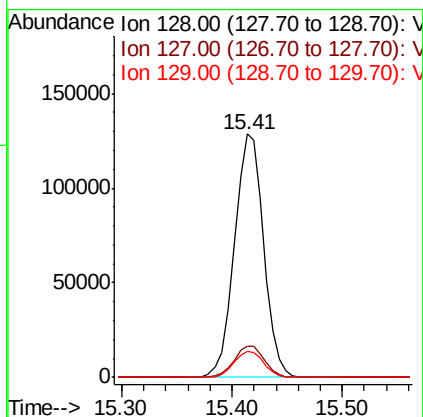
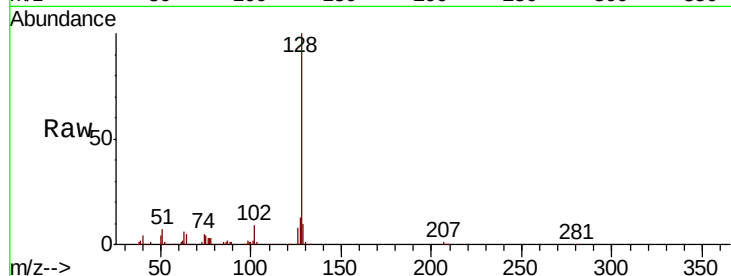




#95
Naphthalene
Concen: 22.016 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. 0.01 min
Lab File: VD064342.D
Acq: 22 Nov 2019 12:41

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.4	10.5	15.7
129	11.0	8.6	13.0



#96
1,2,3-Trichlorobenzene
Concen: 21.981 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. 0.01 min
Lab File: VD064342.D
Acq: 22 Nov 2019 12:41

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.4	48.3	144.9
145	30.1	15.3	45.8

