

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD112519\
 Data File : VD064354.D
 Acq On : 25 Nov 2019 12:11
 Operator : VA/SY
 Sample : VD1125SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Nov 26 05:34:04 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	539385	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	762643	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	661133	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	323047	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	228073	51.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.82%	
35) Dibromofluoromethane	7.92	113	237150	54.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.34%	
50) Toluene-d8	10.34	98	877763	53.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.30%	
62) 4-Bromofluorobenzene	12.64	95	288421	50.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.86%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	81969	18.323	ug/l	98
3) Chloromethane	2.21	50	105205	21.925	ug/l	99
4) Vinyl Chloride	2.35	62	126670	24.686	ug/l	95
5) Bromomethane	2.76	94	84643	26.123	ug/l	98
6) Chloroethane	2.92	64	85402	26.047	ug/l	96
7) Trichlorofluoromethane	3.27	101	219172	26.345	ug/l	99
8) Diethyl Ether	3.70	74	46915	20.509	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.09	101	97910	20.591	ug/l	98
10) Methyl Iodide	4.29	142	93817	18.613	ug/l	98
11) Tert butyl alcohol	5.24	59	33962	109.610	ug/l	96
12) 1,1-Dichloroethene	4.06	96	93186	20.560	ug/l	98
13) Acrolein	3.93	56	18362	70.052	ug/l	98
14) Allyl chloride	4.71	41	151670	18.927	ug/l	93
15) Acrylonitrile	5.43	53	103933	106.578	ug/l	98
16) Acetone	4.17	43	92655	88.166	ug/l	98
17) Carbon Disulfide	4.40	76	265208	18.790	ug/l	100
18) Methyl Acetate	4.72	43	60087	20.471	ug/l	99
19) Methyl tert-butyl Ether	5.49	73	215088	19.879	ug/l	95
20) Methylene Chloride	4.96	84	105276	19.831	ug/l	97
21) trans-1,2-Dichloroethene	5.47	96	103317	20.120	ug/l	93
22) Diisopropyl ether	6.37	45	293885	19.766	ug/l	96
23) Vinyl Acetate	6.31	43	815961	98.450	ug/l	99
24) 1,1-Dichloroethane	6.26	63	179705	20.816	ug/l	99
25) 2-Butanone	7.22	43	129969	95.725	ug/l	95
26) 2,2-Dichloropropane	7.21	77	165823	19.586	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	113810	20.668	ug/l	96
28) Bromochloromethane	7.55	49	47987	15.966	ug/l	100
29) Tetrahydrofuran	7.57	42	81690	100.141	ug/l	97
30) Chloroform	7.71	83	193730	21.938	ug/l	99
31) Cyclohexane	7.98	56	166522	19.126	ug/l	98
32) 1,1,1-Trichloroethane	7.90	97	174405	20.626	ug/l	99
36) 1,1-Dichloropropene	8.11	75	142519	20.248	ug/l	99
37) Ethyl Acetate	7.30	43	58889	19.846	ug/l #	95
38) Carbon Tetrachloride	8.10	117	156210	20.741	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD112519\
 Data File : VD064354.D
 Acq On : 25 Nov 2019 12:11
 Operator : VA/SY
 Sample : VD1125SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Nov 26 05:34:04 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)
39) Methylcyclohexane	9.36	83	173742	19.508	ug/l	94
40) Benzene	8.35	78	391859	20.371	ug/l	99
41) Methacrylonitrile	7.53	41	31208	16.734	ug/l #	81
42) 1,2-Dichloroethane	8.43	62	115450	19.983	ug/l	98
43) Isopropyl Acetate	8.46	43	120342	19.684	ug/l	99
44) Trichloroethene	9.11	130	119678	20.729	ug/l	98
45) 1,2-Dichloropropane	9.39	63	96584	20.628	ug/l	97
46) Dibromomethane	9.47	93	53262	21.249	ug/l	97
47) Bromodichloromethane	9.66	83	142057	21.040	ug/l	100
48) Methyl methacrylate	9.46	41	55561	18.585	ug/l	93
49) 1,4-Dioxane	9.47	88	12492	414.960	ug/l	95
51) 4-Methyl-2-Pentanone	10.23	43	293169	99.995	ug/l	99
52) Toluene	10.40	92	263412	20.824	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	132077	19.526	ug/l	99
54) cis-1,3-Dichloropropene	10.09	75	160088	20.281	ug/l	96
55) 1,1,2-Trichloroethane	10.80	97	71937	21.156	ug/l	96
56) Ethyl methacrylate	10.66	69	91024	19.136	ug/l #	94
57) 1,3-Dichloropropane	10.95	76	125832	21.219	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	198720	103.134	ug/l	99
59) 2-Hexanone	10.99	43	198903	95.359	ug/l	98
60) Dibromochloromethane	11.14	129	97259	20.498	ug/l	99
61) 1,2-Dibromoethane	11.25	107	71473	20.986	ug/l	99
64) Tetrachloroethene	10.88	164	104970	20.644	ug/l	98
65) Chlorobenzene	11.67	112	281216	20.917	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.74	131	105208	20.580	ug/l	98
67) Ethyl Benzene	11.75	91	501260	20.613	ug/l	98
68) m/p-Xylenes	11.86	106	380297	40.799	ug/l	98
69) o-Xylene	12.18	106	171952	19.891	ug/l	98
70) Styrene	12.20	104	307414	20.372	ug/l	99
71) Bromoform	12.37	173	61113	21.006	ug/l	99
73) Isopropylbenzene	12.48	105	485701	20.484	ug/l	100
74) N-amyl acetate	12.29	43	107278	19.159	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.74	83	75972	21.263	ug/l	100
76) 1,2,3-Trichloropropane	12.79	75	99690	38.312	ug/l #	100
77) Bromobenzene	12.77	156	117345	20.370	ug/l	98
78) n-propylbenzene	12.83	91	556662	20.548	ug/l	100
79) 2-Chlorotoluene	12.91	91	300603	19.654	ug/l	97
80) 1,3,5-Trimethylbenzene	12.97	105	391113	20.074	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	24587	18.770	ug/l	96
82) 4-Chlorotoluene	13.01	91	315835	19.798	ug/l	98
83) tert-Butylbenzene	13.23	119	343992	20.022	ug/l	97
84) 1,2,4-Trimethylbenzene	13.27	105	388389	20.191	ug/l	99
85) sec-Butylbenzene	13.41	105	471294	20.425	ug/l	100
86) p-Isopropyltoluene	13.53	119	436107	19.880	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	217776	20.366	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	214631	20.565	ug/l	98
89) n-Butylbenzene	13.86	91	401812	20.274	ug/l	99
90) Hexachloroethane	14.12	117	78879	19.456	ug/l	100
91) 1,2-Dichlorobenzene	13.90	146	186415	20.597	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.52	75	13440	21.039	ug/l	90

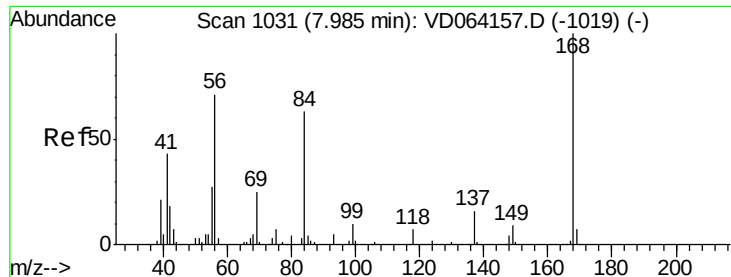
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD112519\
Data File : VD064354.D
Acq On : 25 Nov 2019 12:11
Operator : VA/SY
Sample : VD1125SBS01
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Instrument :
MSVOA_D
ClientSampleId :

Quant Time: Nov 26 05:34:04 2019
Quant Method : Z:\V0ASRV\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)
93) 1,2,4-Trichlorobenzene	15.17	180	140705	20.153	ug/l	99
94) Hexachlorobutadiene	15.28	225	90011	19.960	ug/l	98
95) Naphthalene	15.41	128	232069	20.277	ug/l	100
96) 1,2,3-Trichlorobenzene	15.61	180	121200	20.422	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD064354.D

Acq: 25 Nov 2019 12:11

Instrument :

MSVOA_D

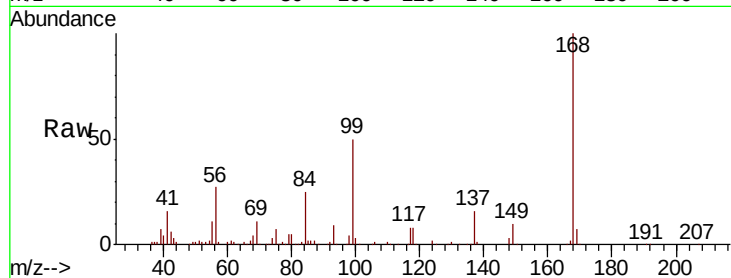
ClientSampleId :

Tot Ion:168 Resp: 539385

Ion Ratio Lower Upper

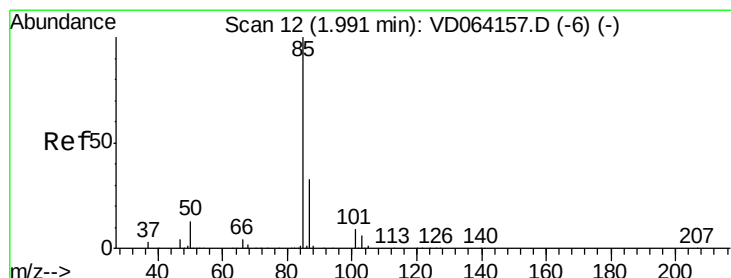
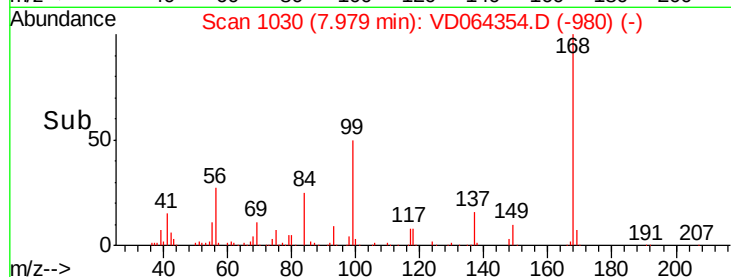
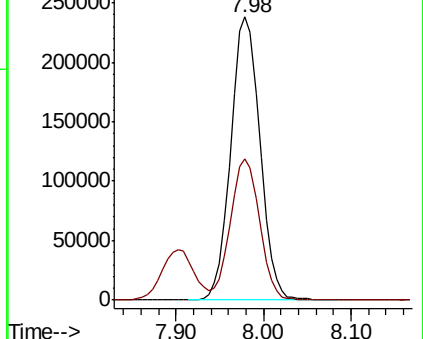
168 100

99 49.8 41.6 62.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 18.323 ug/l

RT: 1.99 min Scan# 12

Delta R.T. -0.00 min

Lab File: VD064354.D

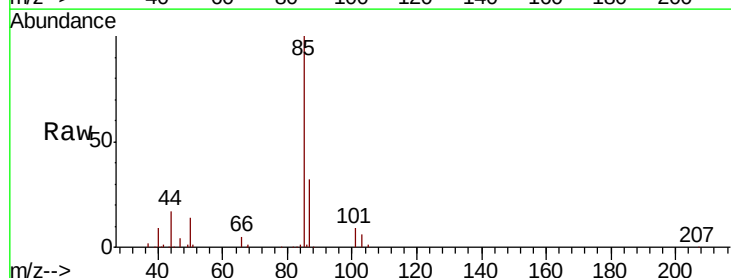
Acq: 25 Nov 2019 12:11

Tgt Ion: 85 Resp: 81969

Ion Ratio Lower Upper

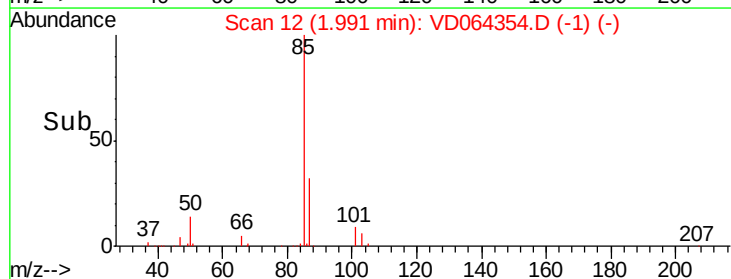
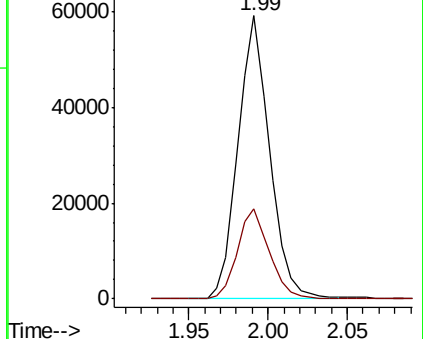
85 100

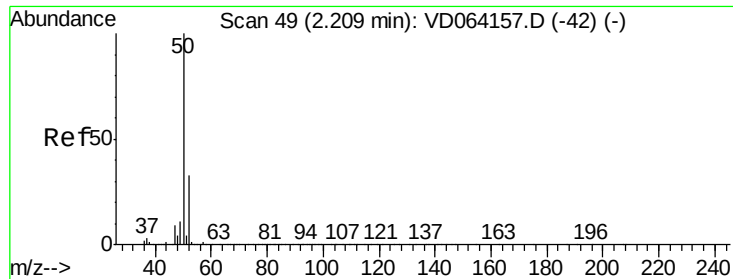
87 31.7 16.4 49.2



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 21.925 ug/l

RT: 2.21 min Scan# 49

Delta R.T. -0.00 min

Lab File: VD064354.D

Acq: 25 Nov 2019 12:11

Instrument :

MSVOA_D

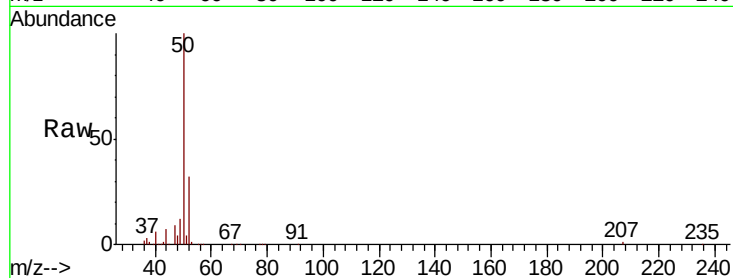
ClientSampleId :

Tot Ion: 50 Resp: 105205

Ion Ratio Lower Upper

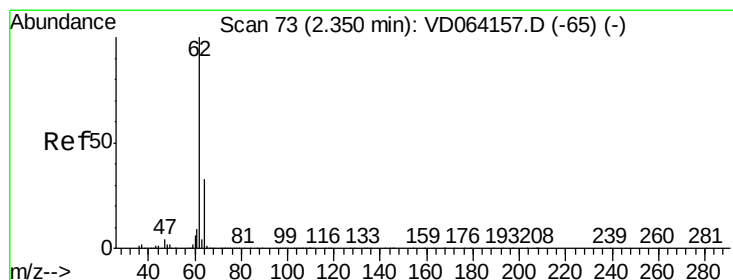
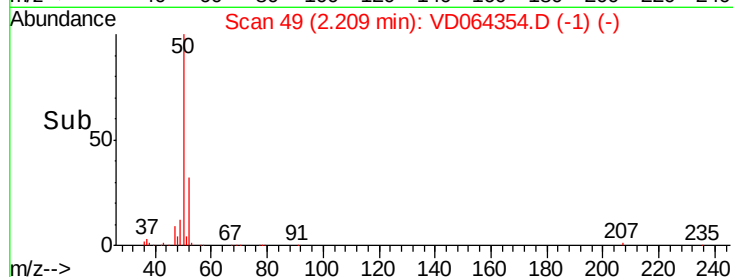
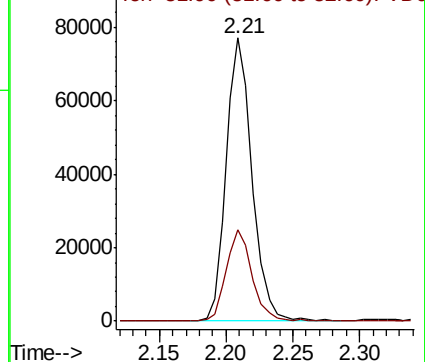
50 100

52 32.1 26.2 39.4



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 24.686 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD064354.D

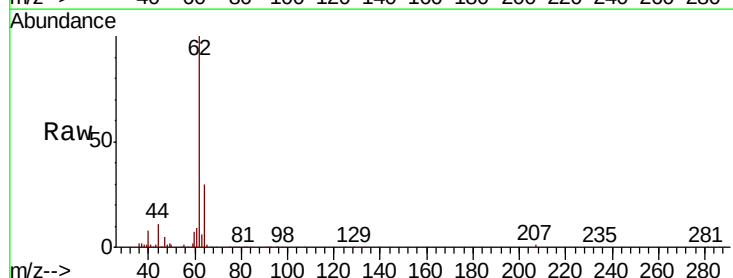
Acq: 25 Nov 2019 12:11

Tgt Ion: 62 Resp: 126670

Ion Ratio Lower Upper

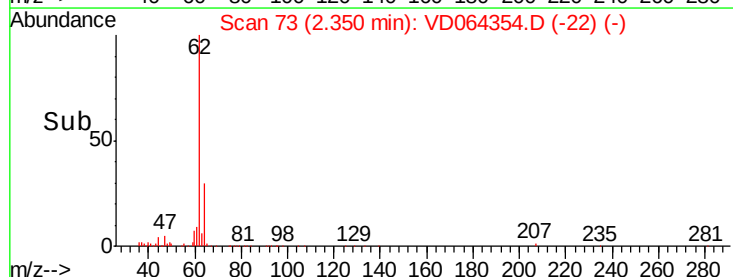
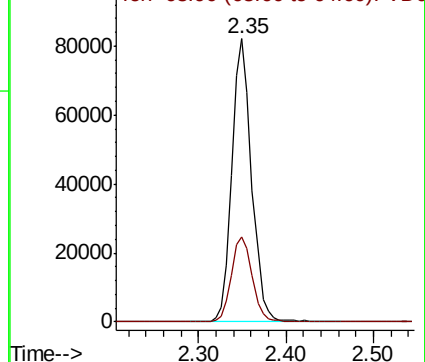
62 100

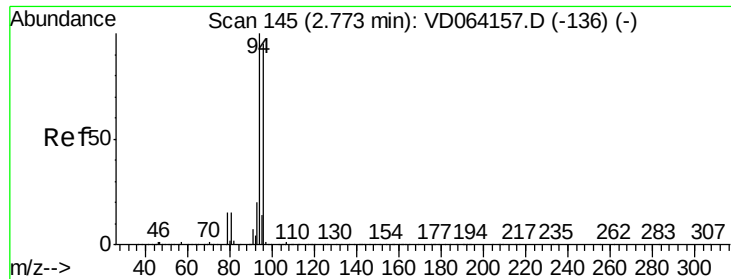
64 30.0 26.2 39.2



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 26.123 ug/l

RT: 2.76 min Scan# 142

Delta R.T. -0.02 min

Lab File: VD064354.D

Acq: 25 Nov 2019 12:11

Instrument :

MSVOA_D

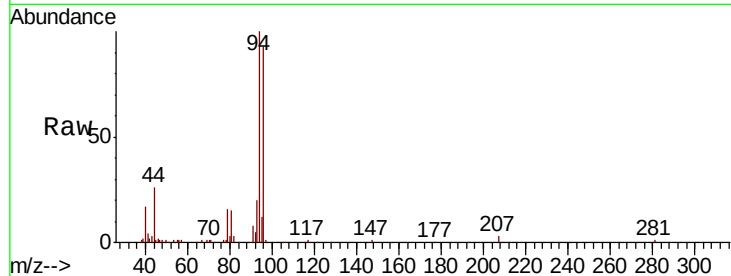
ClientSampleId :

Tot Ion: 94 Resp: 84643

Ion Ratio Lower Upper

94 100

96 92.9 76.2 114.4



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

2.76

40000

30000

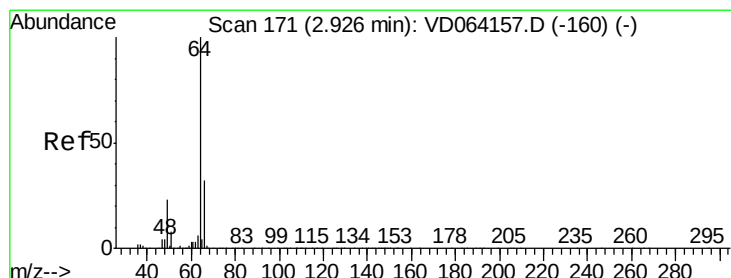
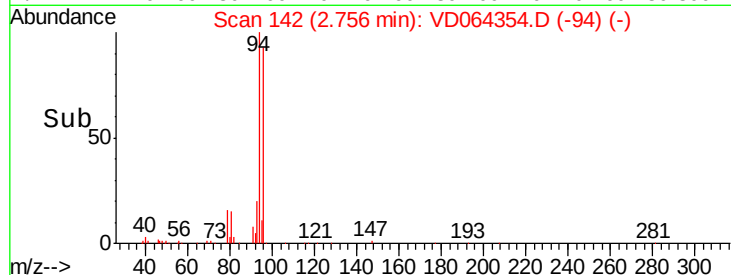
20000

10000

0

Time-->

2.70 2.80 2.90



#6

Chloroethane

Concen: 26.047 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.01 min

Lab File: VD064354.D

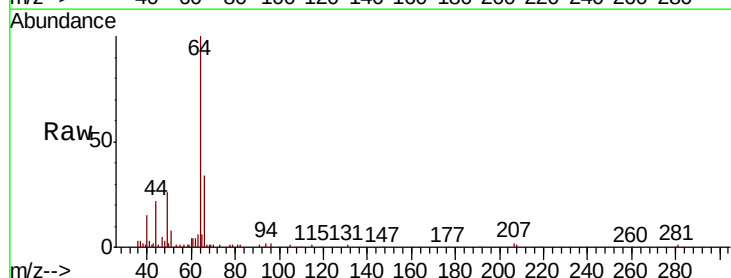
Acq: 25 Nov 2019 12:11

Tgt Ion: 64 Resp: 85402

Ion Ratio Lower Upper

64 100

66 34.2 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC

2.92

40000

30000

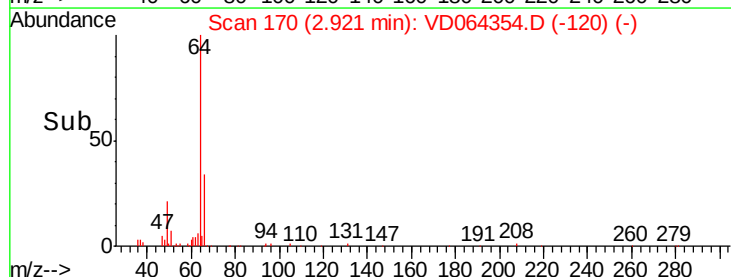
20000

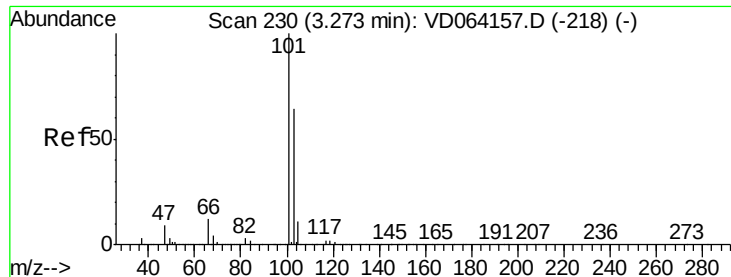
10000

0

Time-->

2.80 2.90 3.00



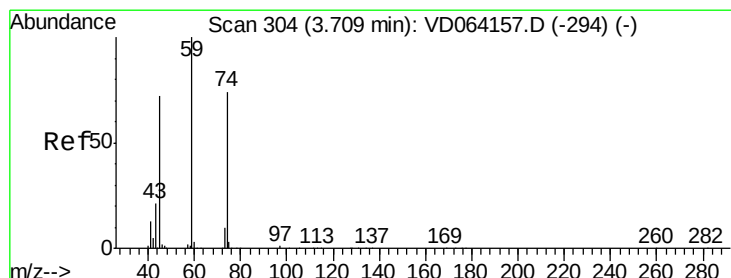
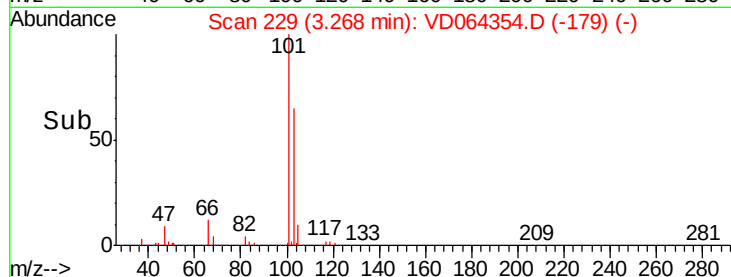
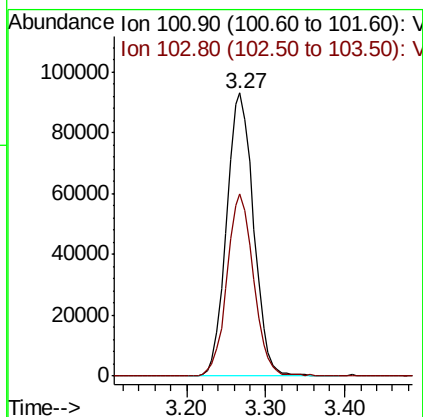
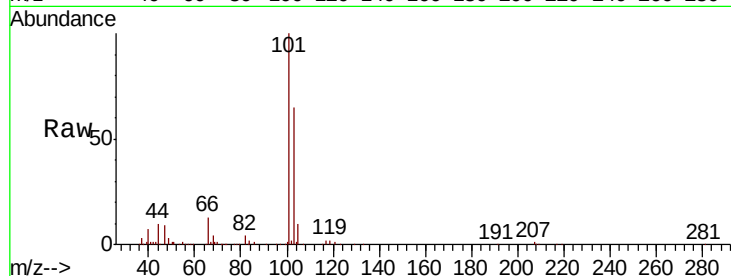


#7

Trichlorofluoromethane
Concen: 26.345 ug/l
RT: 3.27 min Scan# 229
Delta R.T. -0.01 min
Lab File: VD064354.D
Acq: 25 Nov 2019 12:11

Instrument :
MSVOA_D
ClientSampleId :

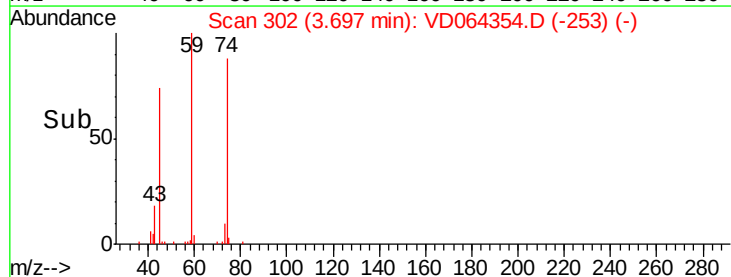
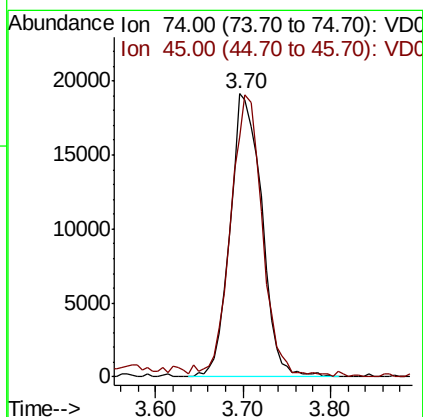
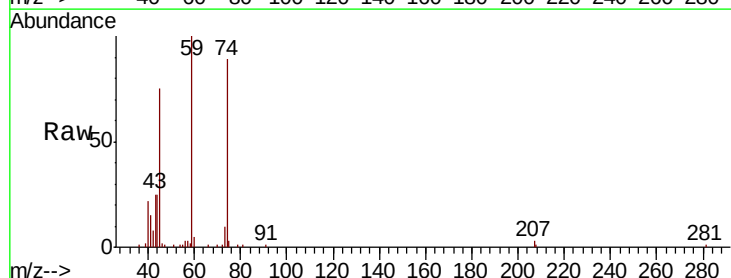
Tot Ion:101 Resp: 219172
Ion Ratio Lower Upper
101 100
103 64.6 50.8 76.2

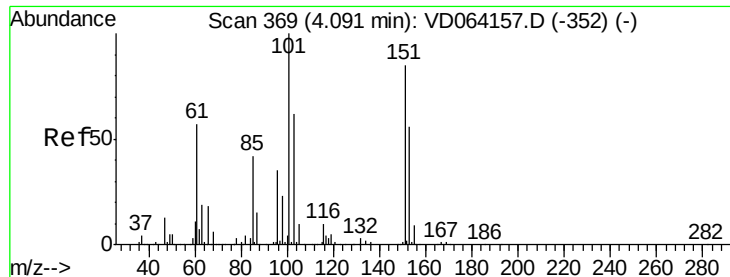


#8

Diethyl Ether
Concen: 20.509 ug/l
RT: 3.70 min Scan# 302
Delta R.T. -0.01 min
Lab File: VD064354.D
Acq: 25 Nov 2019 12:11

Tgt Ion: 74 Resp: 46915
Ion Ratio Lower Upper
74 100
45 99.6 47.9 143.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.591 ug/l

RT: 4.09 min Scan# 368

Delta R.T. -0.01 min

Lab File: VD064354.D

Acq: 25 Nov 2019 12:11

Instrument :

MSVOA_D

ClientSampleId :

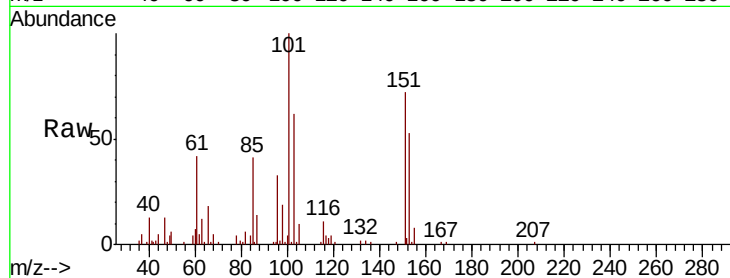
Tot Ion:101 Resp: 97910

Ion Ratio Lower Upper

101 100

85 45.4 34.4 51.6

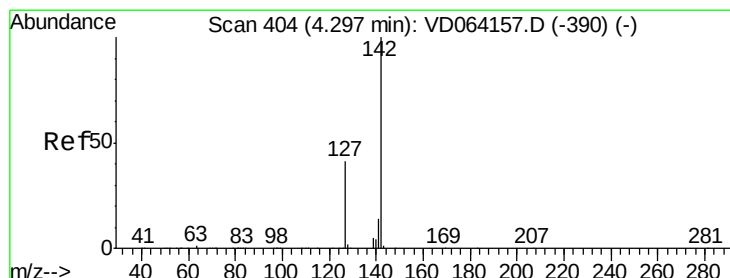
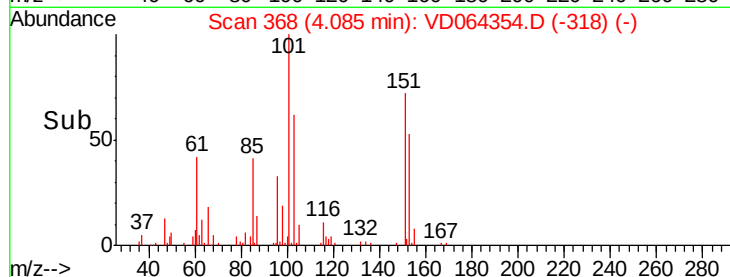
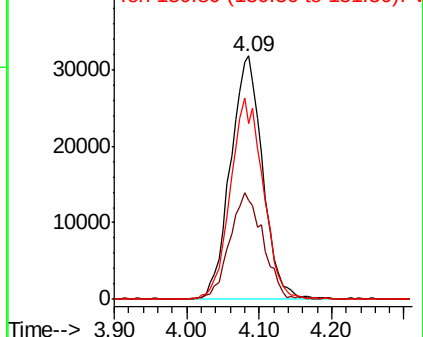
151 83.8 68.1 102.1



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: 18.613 ug/l

RT: 4.29 min Scan# 403

Delta R.T. -0.00 min

Lab File: VD064354.D

Acq: 25 Nov 2019 12:11

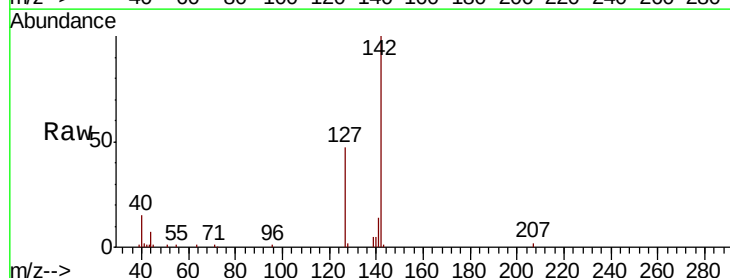
Tgt Ion:142 Resp: 93817

Ion Ratio Lower Upper

142 100

127 44.4 34.4 51.6

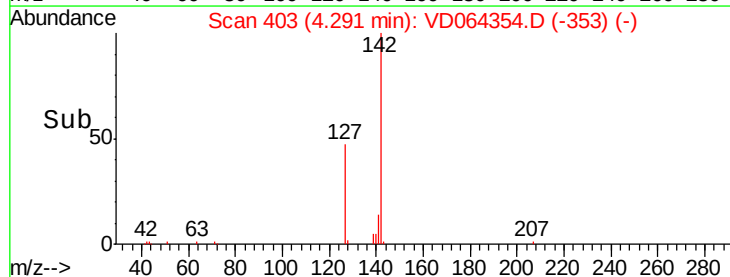
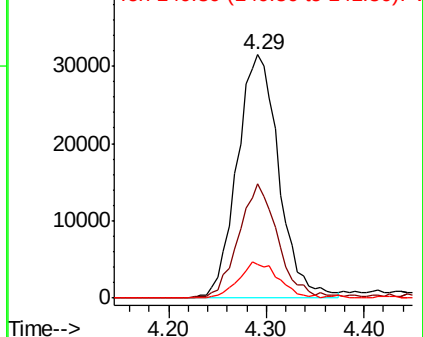
141 14.0 11.2 16.8

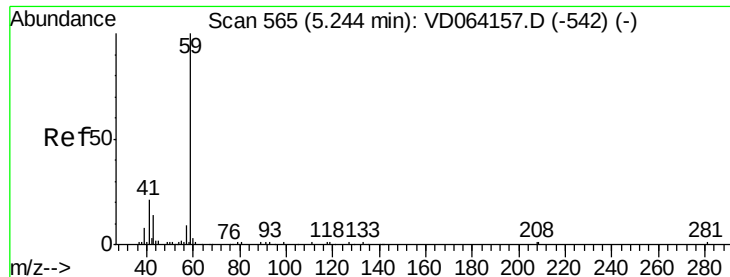


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



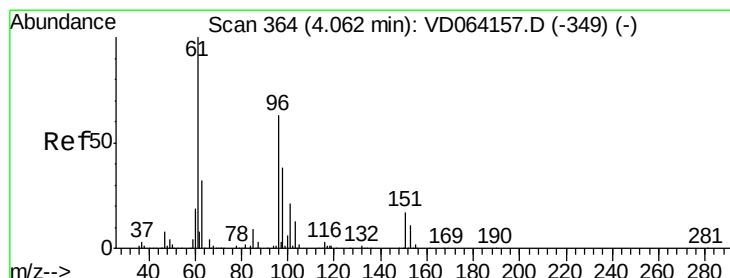
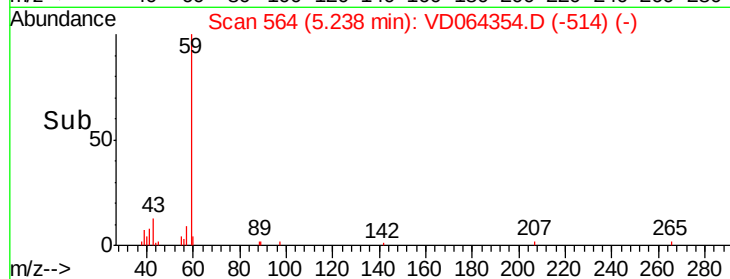
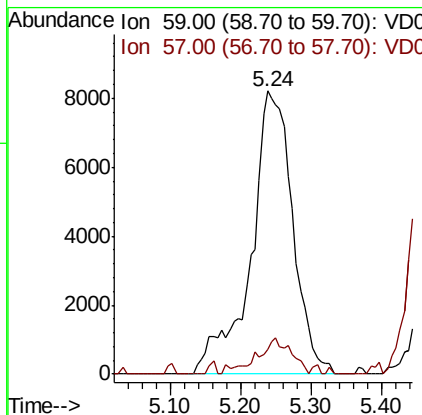
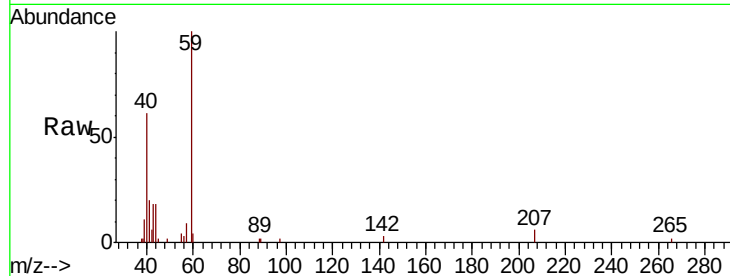


#11

Tert butyl alcohol
Concen: 109.610 ug/l
RT: 5.24 min Scan# 564
Delta R.T. -0.00 min
Lab File: VD064354.D
Acq: 25 Nov 2019 12:11

Instrument :
MSVOA_D
ClientSampleId :

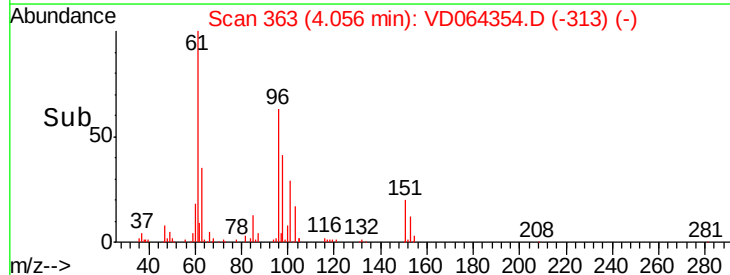
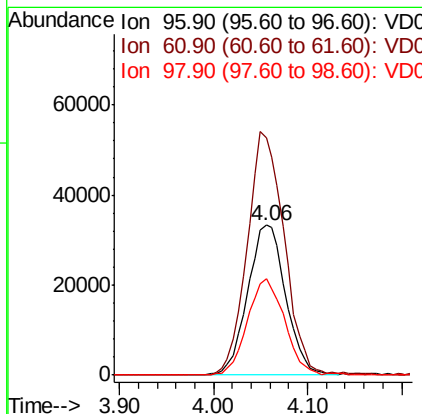
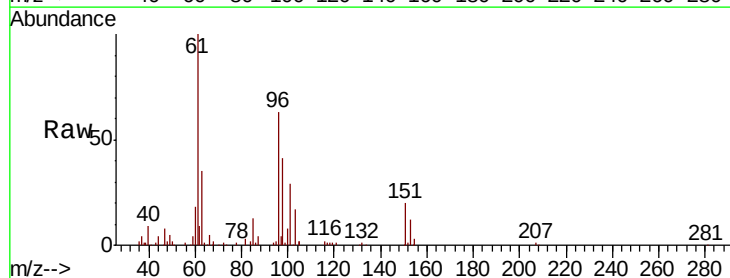
Tot Ion: 59 Resp: 33962
Ion Ratio Lower Upper
59 100
57 10.4 9.4 14.2

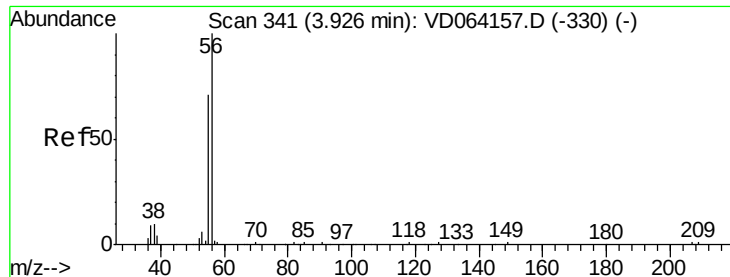


#12

1,1-Dichloroethene
Concen: 20.560 ug/l
RT: 4.06 min Scan# 363
Delta R.T. -0.01 min
Lab File: VD064354.D
Acq: 25 Nov 2019 12:11

Tgt Ion: 96 Resp: 93186
Ion Ratio Lower Upper
96 100
61 157.9 127.4 191.2
98 64.3 48.1 72.1





#13

Acrolein

Concen: 70.052 ug/l

RT: 3.93 min Scan# 341

Delta R.T. -0.00 min

Lab File: VD064354.D

Acq: 25 Nov 2019 12:11

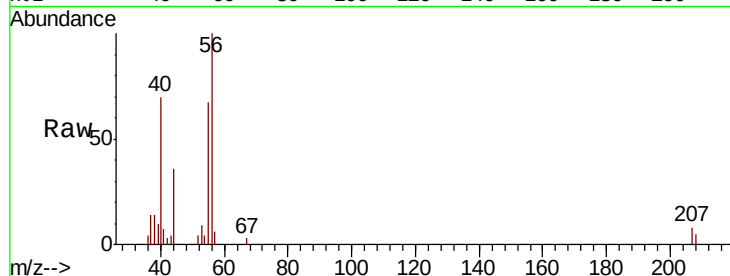
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 56 Resp: 18362

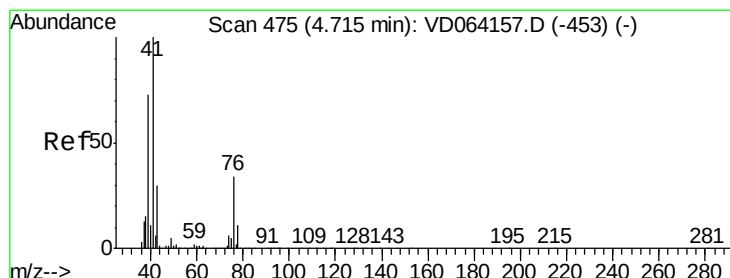
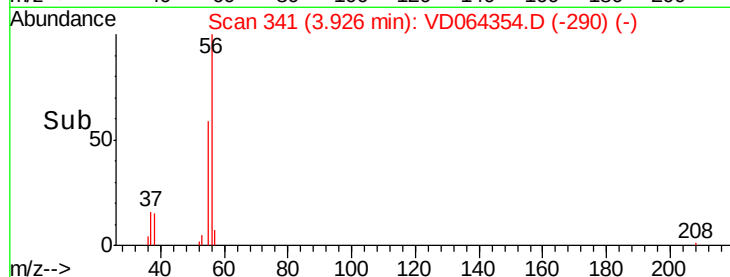
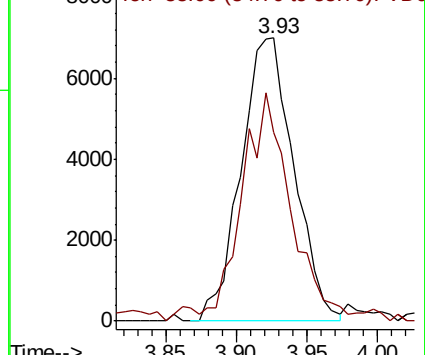
Ion Ratio Lower Upper

56 100

55 72.0 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: 18.927 ug/l

RT: 4.71 min Scan# 474

Delta R.T. -0.01 min

Lab File: VD064354.D

Acq: 25 Nov 2019 12:11

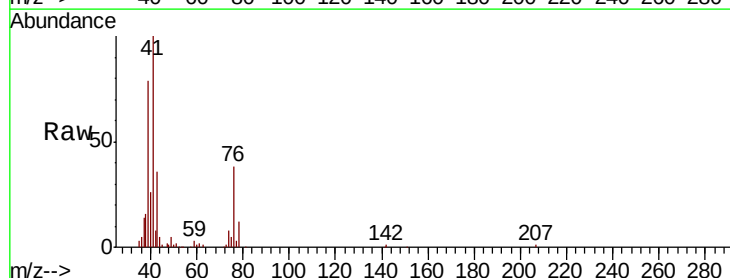
Tgt Ion: 41 Resp: 151670

Ion Ratio Lower Upper

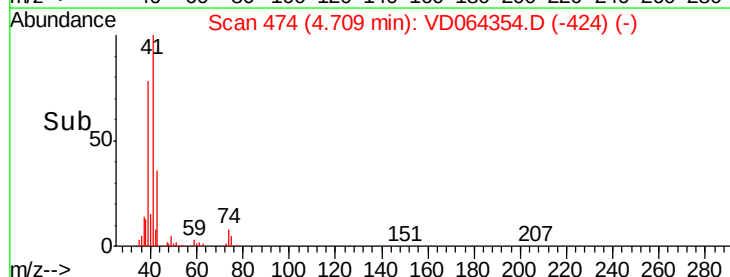
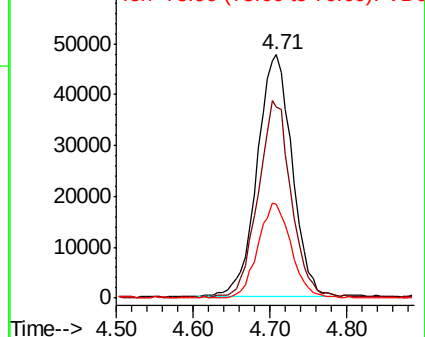
41 100

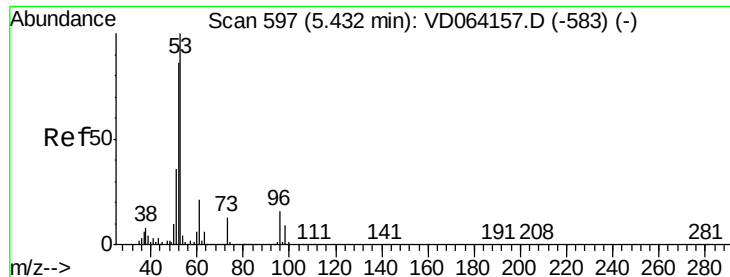
39 77.5 57.5 86.3

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: 106.578 ug/l

RT: 5.43 min Scan# 596

Delta R.T. -0.01 min

Lab File: VD064354.D

Acq: 25 Nov 2019 12:11

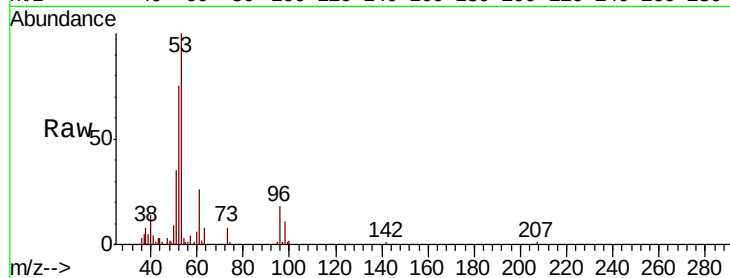
Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 53 Resp: 103933

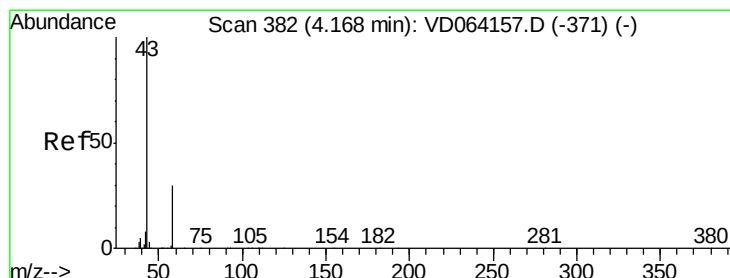
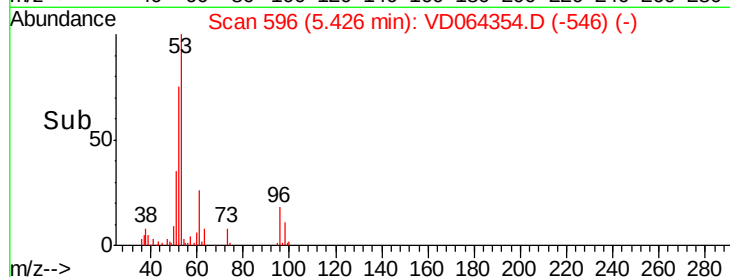
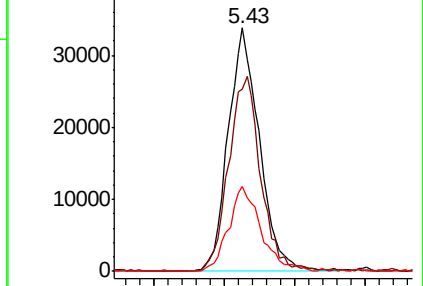
Ion	Ratio	Lower	Upper
53	100		
52	81.7	66.7	100.1
51	36.2	30.6	46.0



Abundance Ion 53.00 (52.70 to 53.70): VDC

Ion 52.00 (51.70 to 52.70): VDC

Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 88.166 ug/l

RT: 4.17 min Scan# 382

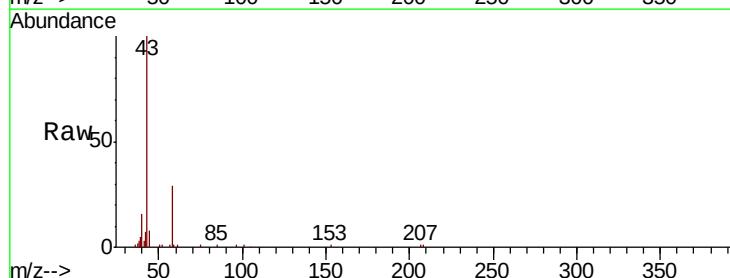
Delta R.T. -0.00 min

Lab File: VD064354.D

Acq: 25 Nov 2019 12:11

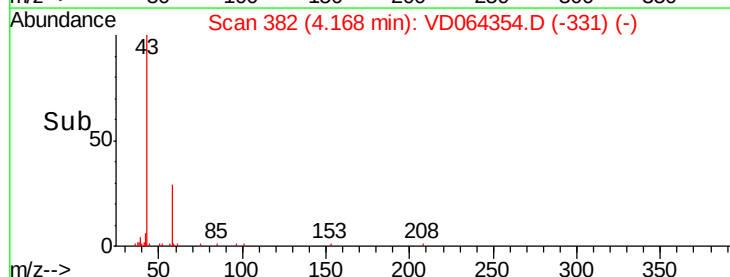
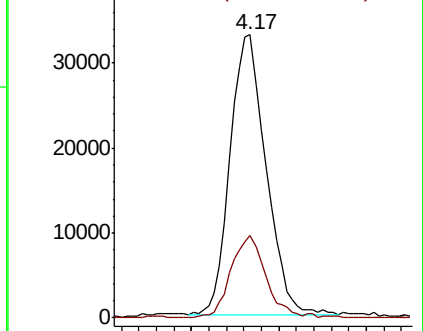
Tgt Ion: 43 Resp: 92655

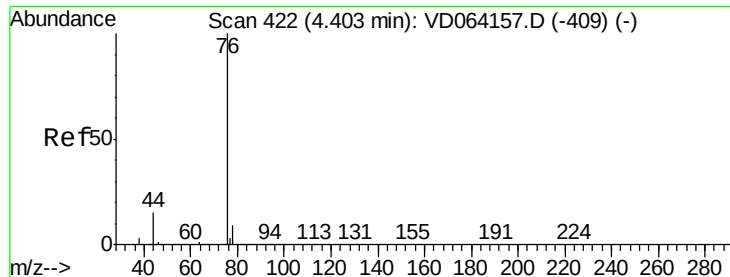
Ion	Ratio	Lower	Upper
43	100		
58	29.2	24.1	36.1



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC





#17

Carbon Disulfide

Concen: 18.790 ug/l

RT: 4.40 min Scan# 421

Delta R.T. -0.01 min

Lab File: VD064354.D

Acq: 25 Nov 2019 12:11

Instrument :

MSVOA_D

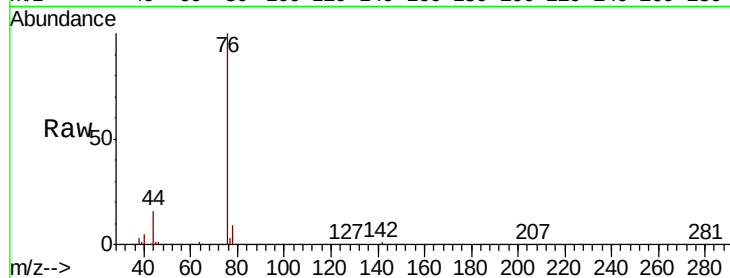
ClientSampleId :

Tot Ion: 76 Resp: 265208

Ion Ratio Lower Upper

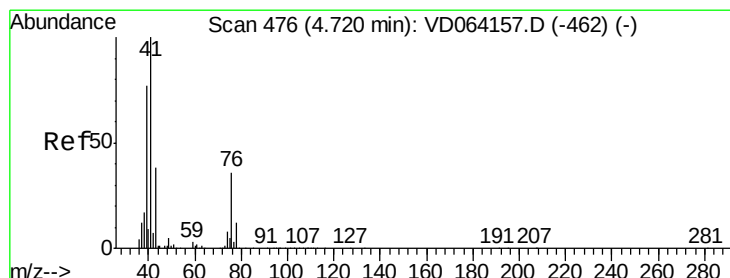
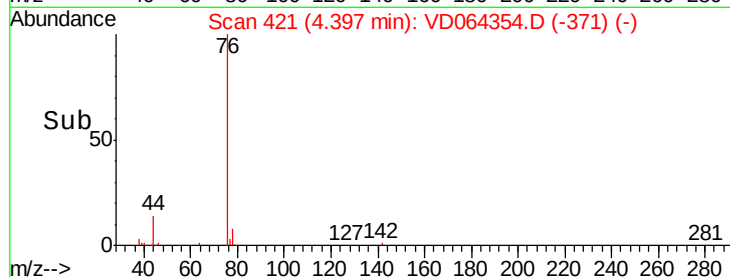
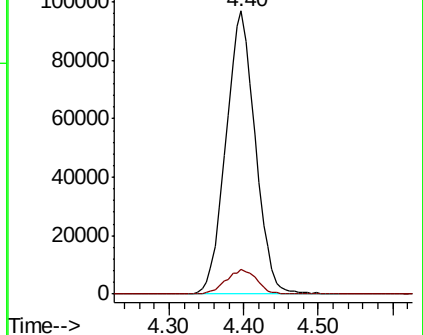
76 100

78 8.9 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: 20.471 ug/l

RT: 4.72 min Scan# 476

Delta R.T. -0.00 min

Lab File: VD064354.D

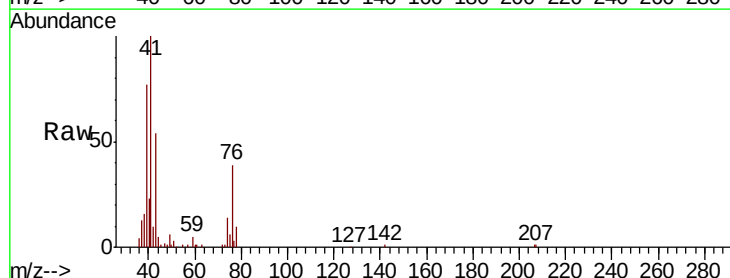
Acq: 25 Nov 2019 12:11

Tgt Ion: 43 Resp: 60087

Ion Ratio Lower Upper

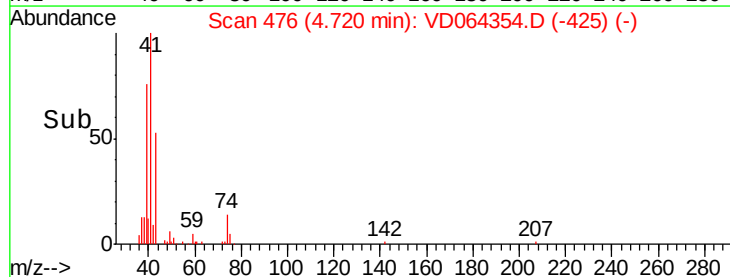
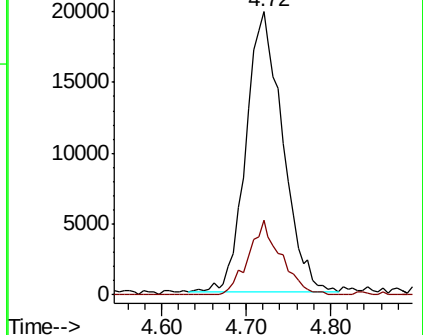
43 100

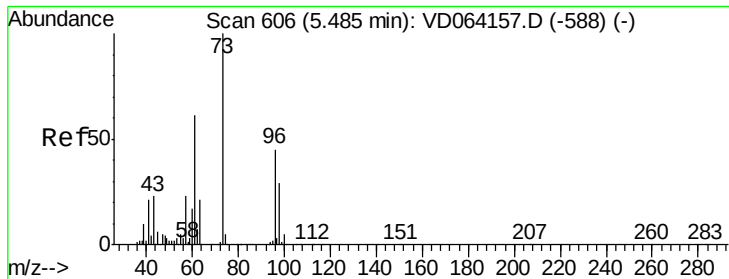
74 23.5 18.4 27.6



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC



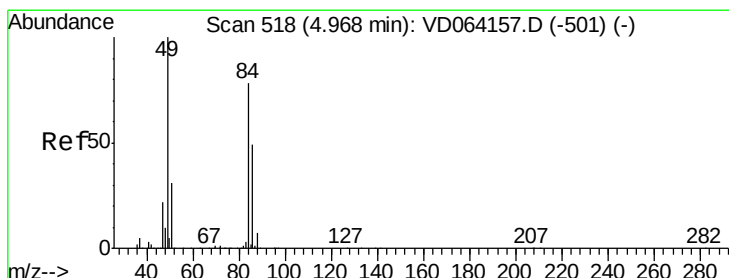
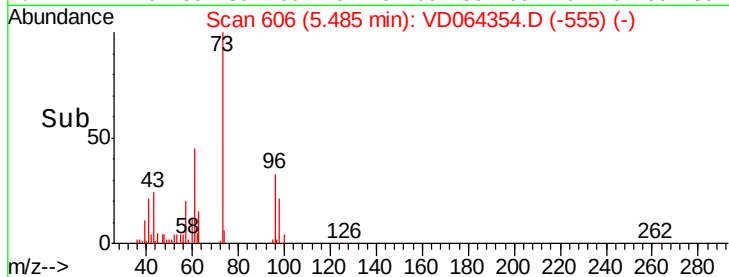
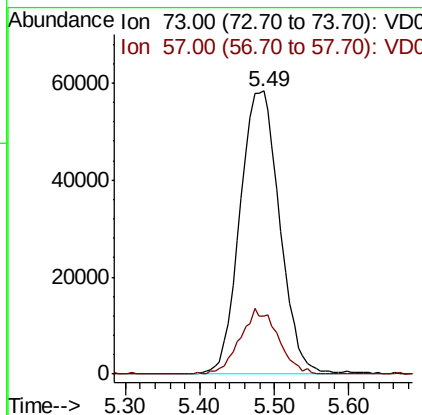
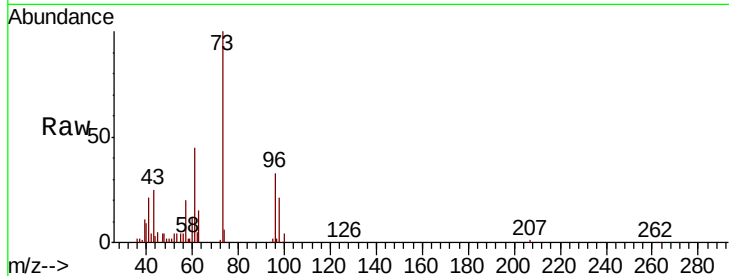


#19

Methyl tert-butyl Ether
 Concen: 19.879 ug/l
 RT: 5.49 min Scan# 606
 Delta R.T. -0.00 min
 Lab File: VD064354.D
 Acq: 25 Nov 2019 12:11

Instrument :
 MSVOA_D
 ClientSampleId :

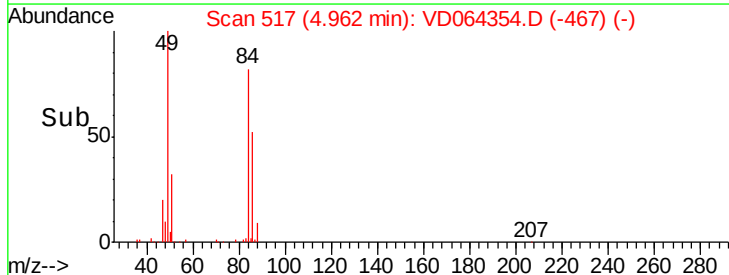
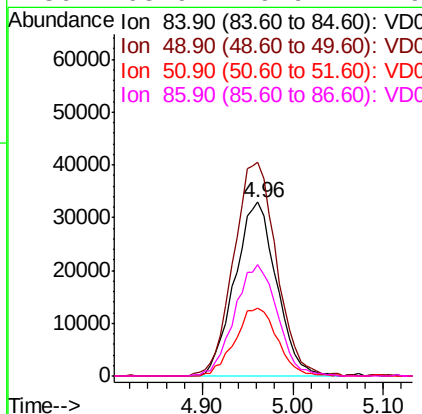
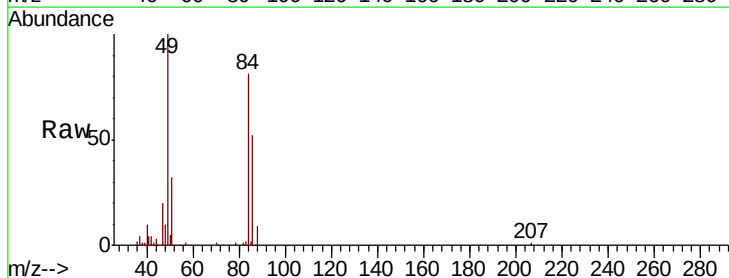
Tot Ion: 73 Resp: 215088
 Ion Ratio Lower Upper
 73 100
 57 20.3 18.4 27.6

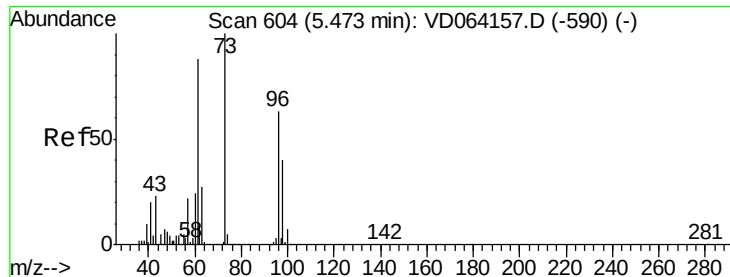


#20

Methylene Chloride
 Concen: 19.831 ug/l
 RT: 4.96 min Scan# 517
 Delta R.T. -0.01 min
 Lab File: VD064354.D
 Acq: 25 Nov 2019 12:11

Tgt Ion: 84 Resp: 105276
 Ion Ratio Lower Upper
 84 100
 49 123.1 102.1 153.1
 51 39.0 32.2 48.2
 86 63.9 49.9 74.9





#21

trans-1,2-Dichloroethene

Concen: 20.120 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD064354.D

Acq: 25 Nov 2019 12:11

Instrument :
MSVOA_D
ClientSampled :

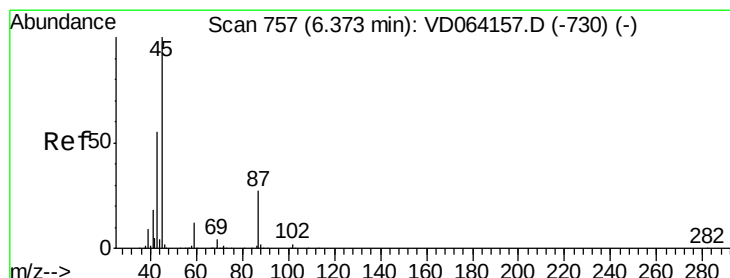
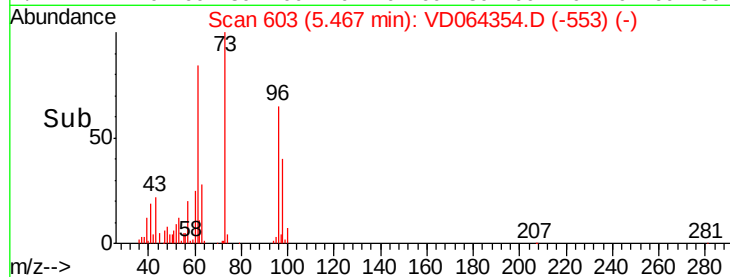
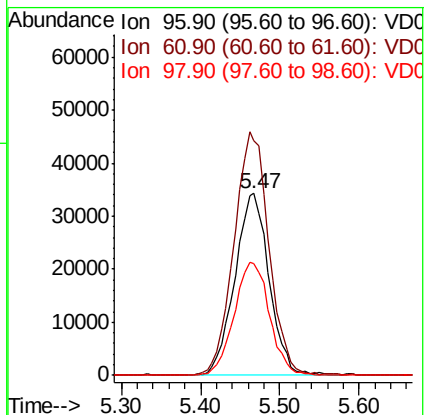
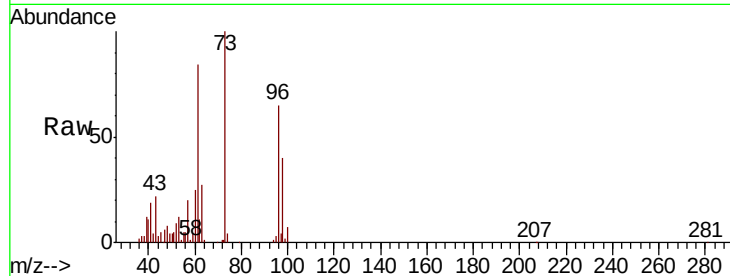
Tot Ion: 96 Resp: 103317

Ion Ratio Lower Upper

96 100

61 129.2 111.8 167.6

98 61.5 50.3 75.5



#22

Diisopropyl ether

Concen: 19.766 ug/l

RT: 6.37 min Scan# 756

Delta R.T. -0.01 min

Lab File: VD064354.D

Acq: 25 Nov 2019 12:11

Tgt Ion: 45 Resp: 293885

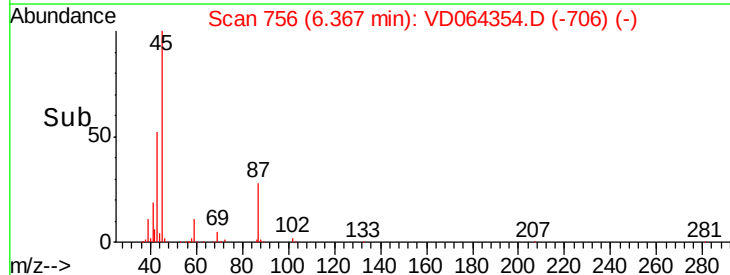
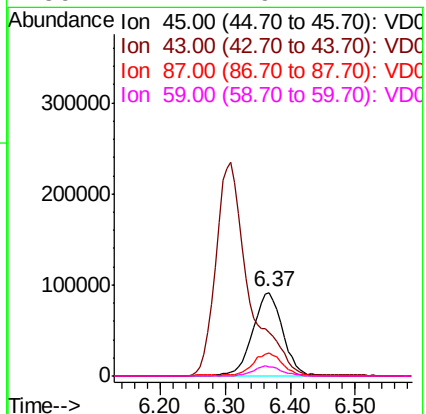
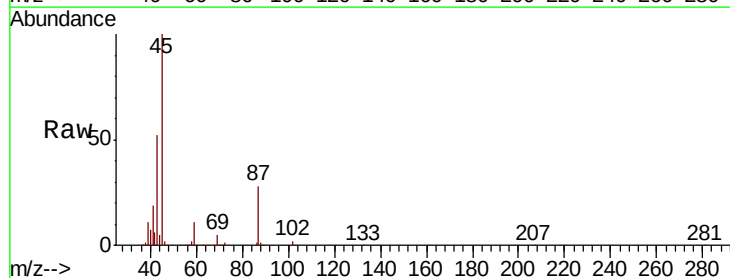
Ion Ratio Lower Upper

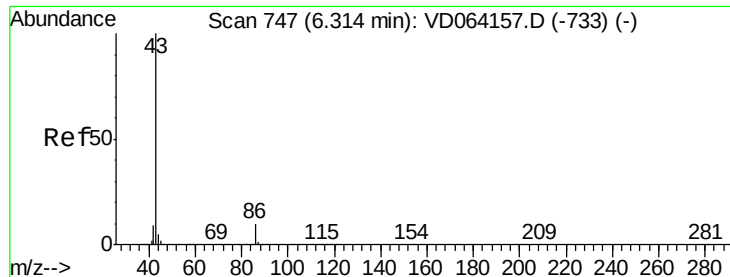
45 100

43 51.6 44.4 66.6

87 27.6 21.9 32.9

59 11.1 9.4 14.2





#23

Vinyl Acetate

Concen: 98.450 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.01 min

Lab File: VD064354.D

Acq: 25 Nov 2019 12:11

Instrument :

MSVOA_D

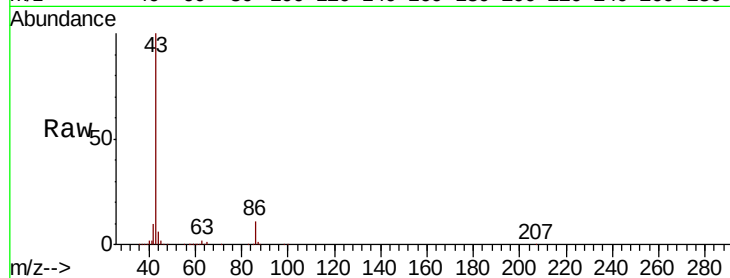
ClientSampled :

Tot Ion: 43 Resp: 815961

Ion Ratio Lower Upper

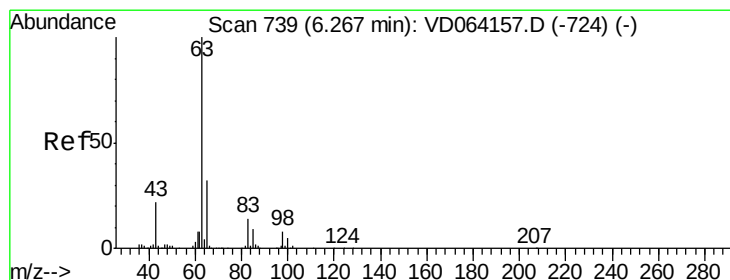
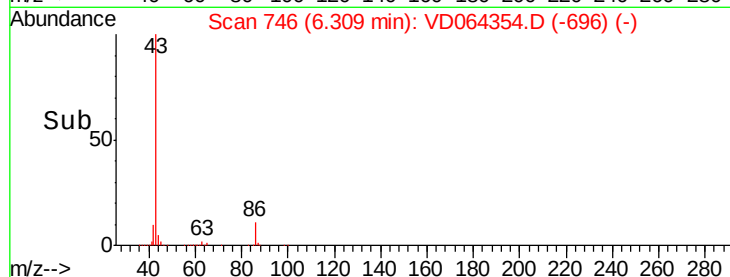
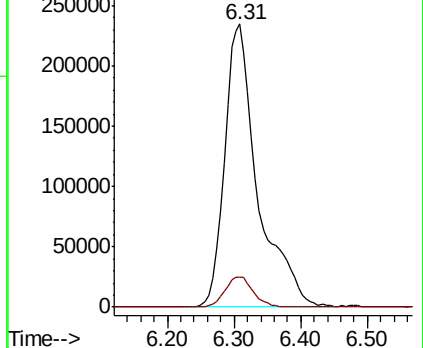
43 100

86 10.6 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: 20.816 ug/l

RT: 6.26 min Scan# 738

Delta R.T. -0.01 min

Lab File: VD064354.D

Acq: 25 Nov 2019 12:11

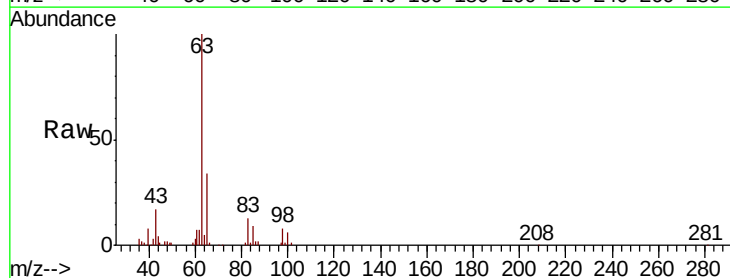
Tgt Ion: 63 Resp: 179705

Ion Ratio Lower Upper

63 100

98 7.6 3.8 11.4

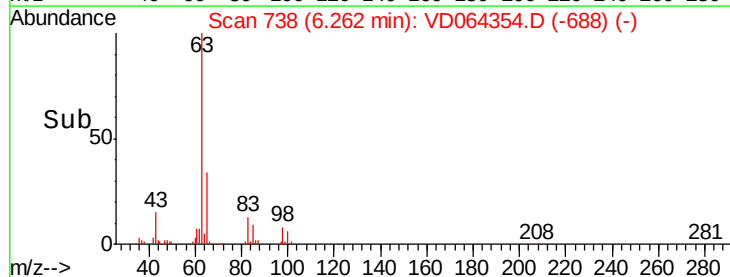
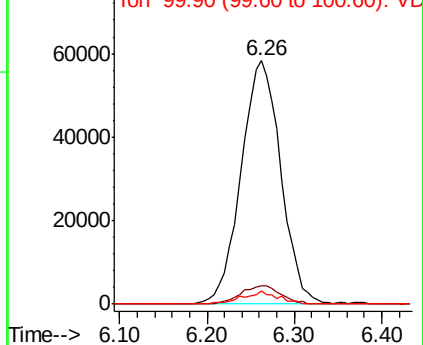
100 5.6 2.4 7.2

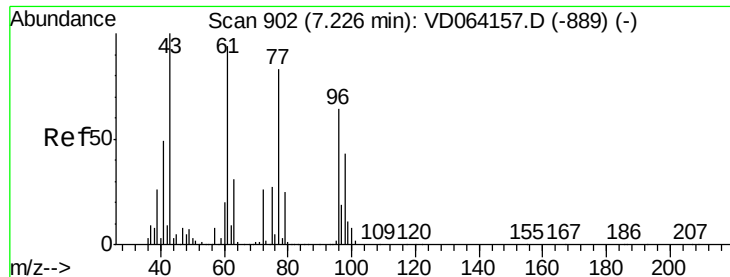


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 95.725 ug/l

RT: 7.22 min Scan# 901

Delta R.T. -0.01 min

Lab File: VD064354.D

Acq: 25 Nov 2019 12:11

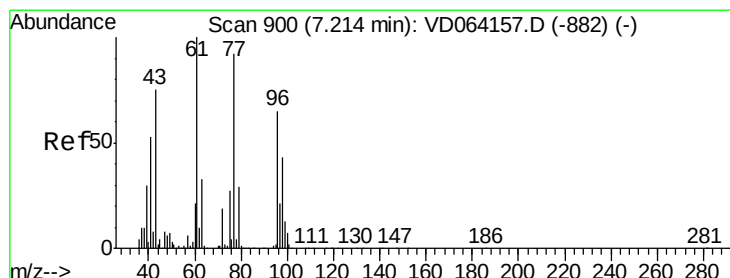
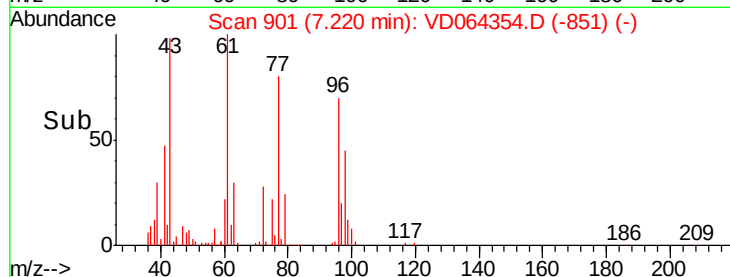
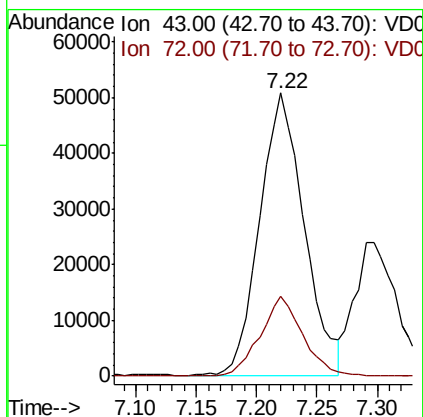
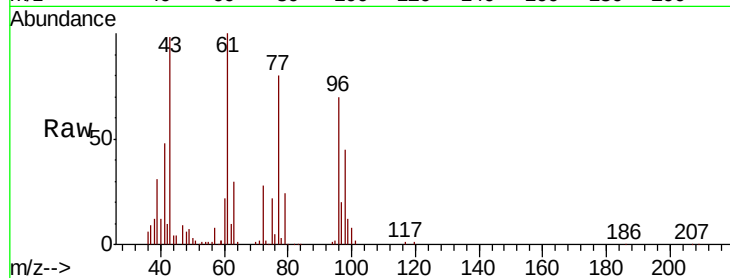
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 43 Resp: 129969

Ion Ratio Lower Upper

43 100

72 28.5 20.6 30.8



#26

2,2-Dichloropropane

Concen: 19.586 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD064354.D

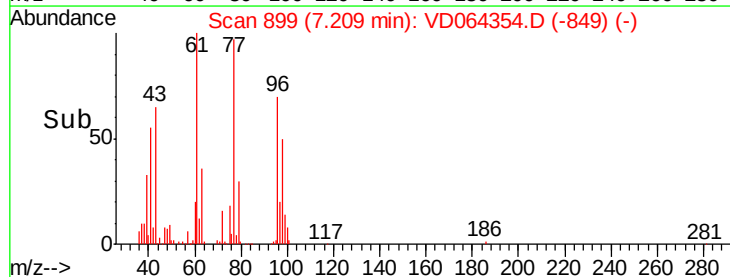
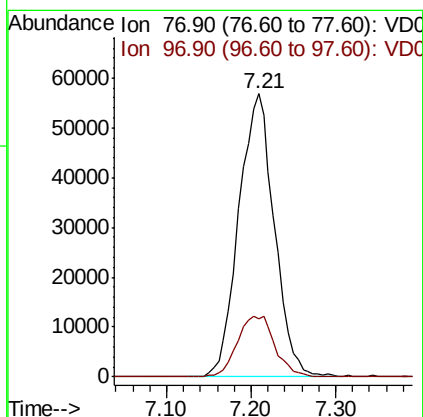
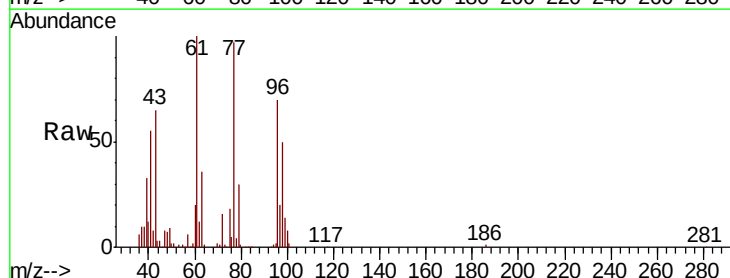
Acq: 25 Nov 2019 12:11

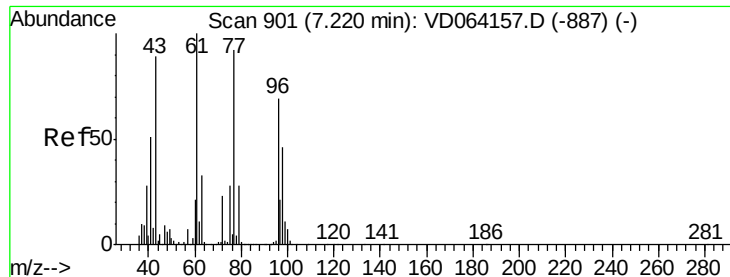
Tgt Ion: 77 Resp: 165823

Ion Ratio Lower Upper

77 100

97 22.7 11.1 33.3



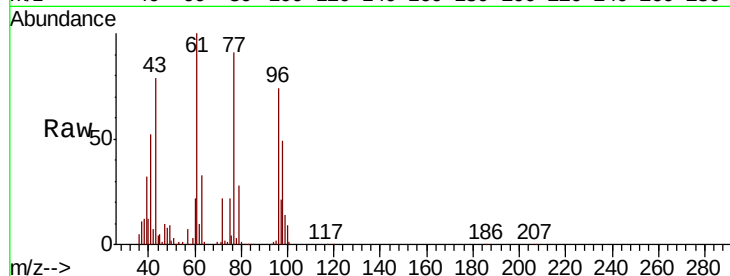


#27

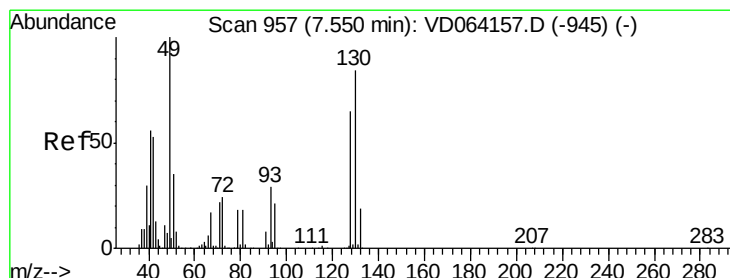
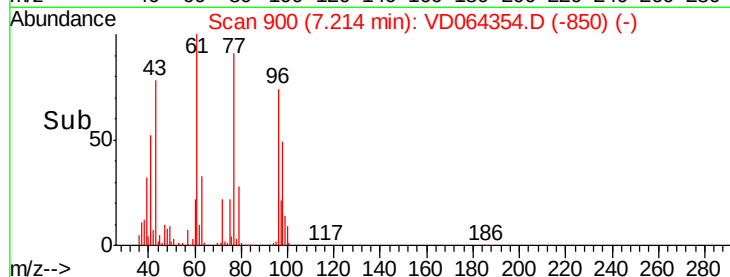
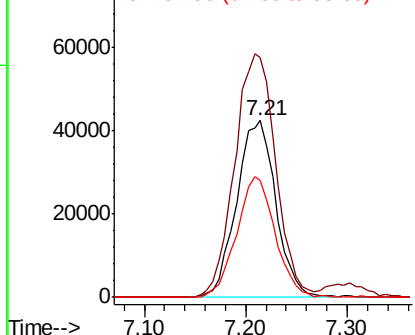
cis-1,2-Dichloroethene
Concen: 20.668 ug/l
RT: 7.21 min Scan# 900
Delta R.T. -0.01 min
Lab File: VD064354.D
Acq: 25 Nov 2019 12:11

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
96	100		
61	143.9	0.0	301.4
98	67.1	0.0	133.2



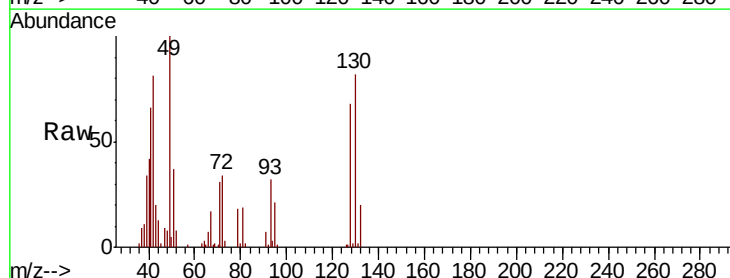
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.90 (60.60 to 61.60): VDC
Ion 97.90 (97.60 to 98.60): VDC



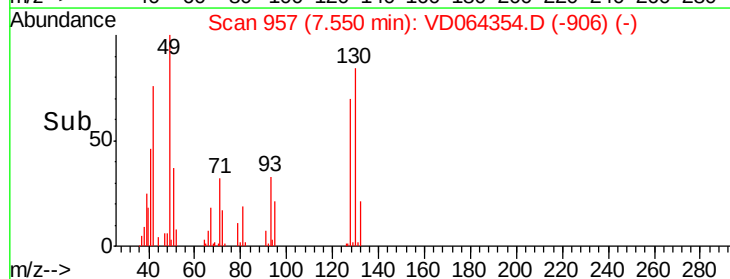
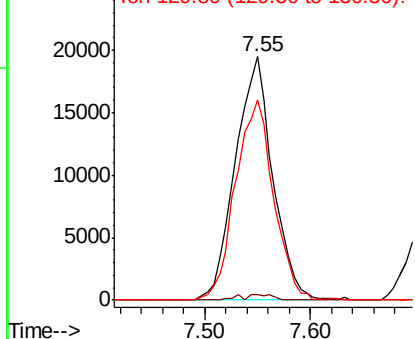
#28

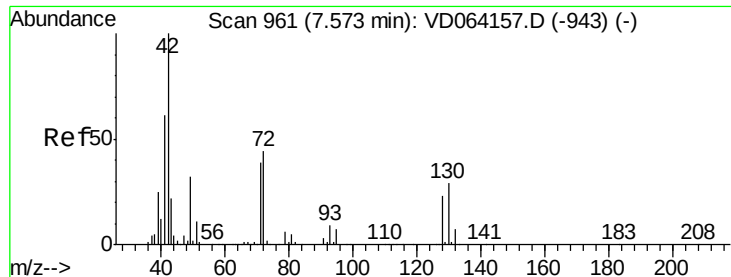
Bromochloromethane
Concen: 15.966 ug/l
RT: 7.55 min Scan# 957
Delta R.T. -0.00 min
Lab File: VD064354.D
Acq: 25 Nov 2019 12:11

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.4	0.0	4.4
130	83.3	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

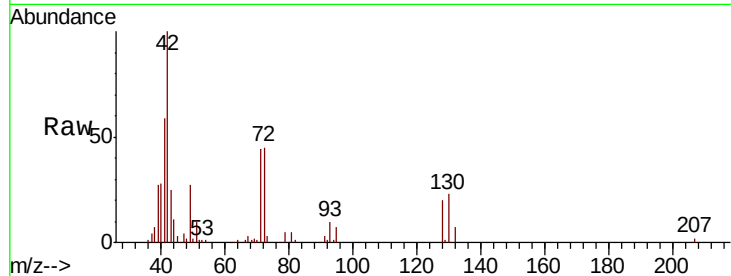




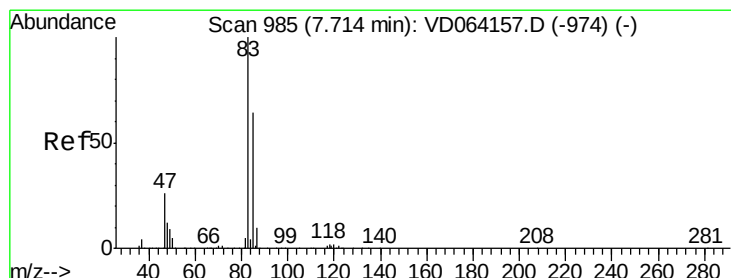
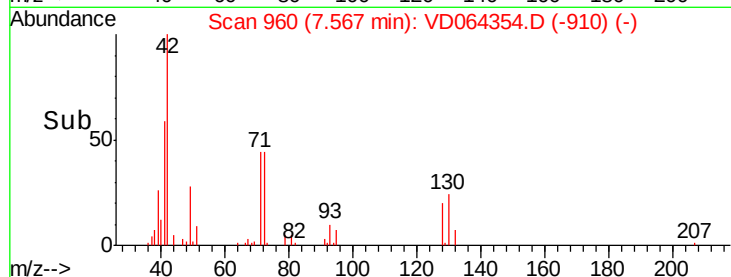
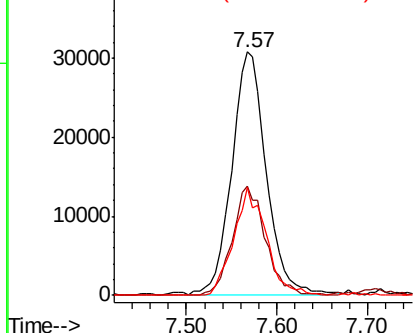
#29
Tetrahydrofuran
Concen: 100.141 ug/l
RT: 7.57 min Scan# 960
Delta R.T. -0.01 min
Lab File: VD064354.D
Acq: 25 Nov 2019 12:11

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 42 Resp: 81690
Ion Ratio Lower Upper
42 100
72 43.0 33.4 50.2
71 41.4 31.0 46.4

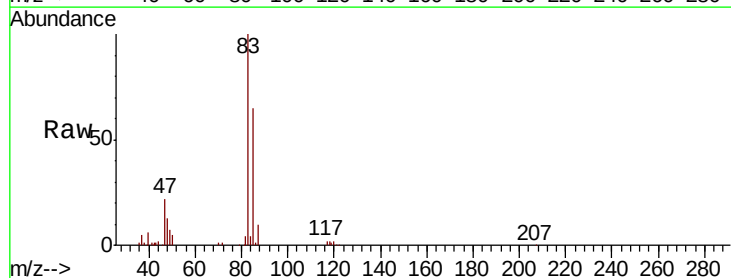


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

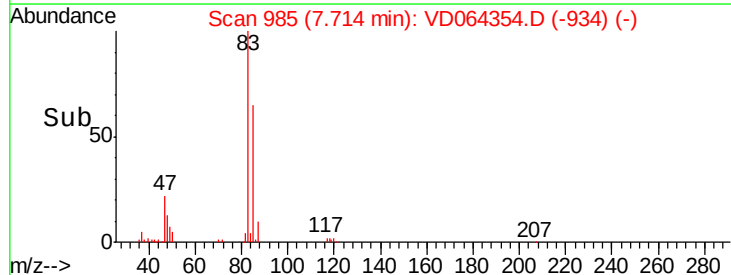
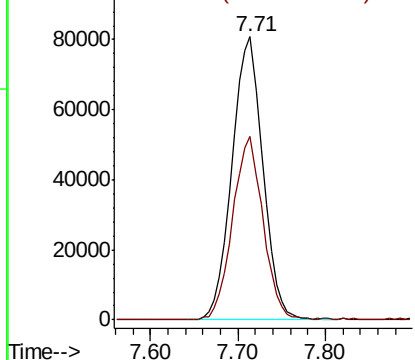


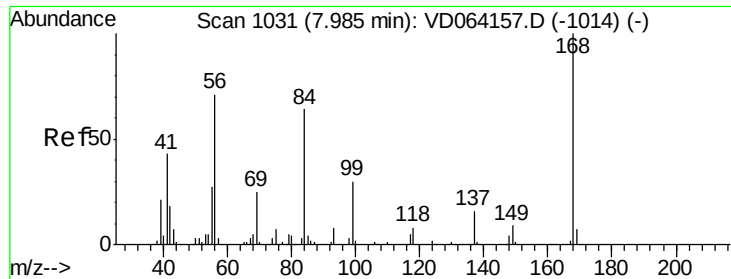
#30
Chloroform
Concen: 21.938 ug/l
RT: 7.71 min Scan# 985
Delta R.T. -0.00 min
Lab File: VD064354.D
Acq: 25 Nov 2019 12:11

Tgt Ion: 83 Resp: 193730
Ion Ratio Lower Upper
83 100
85 64.8 51.4 77.0



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

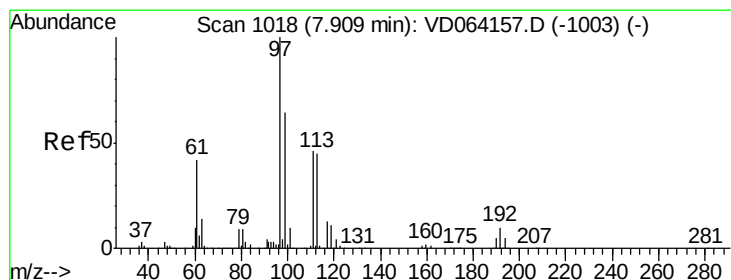
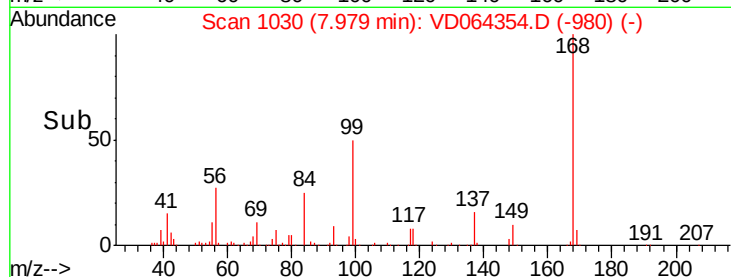
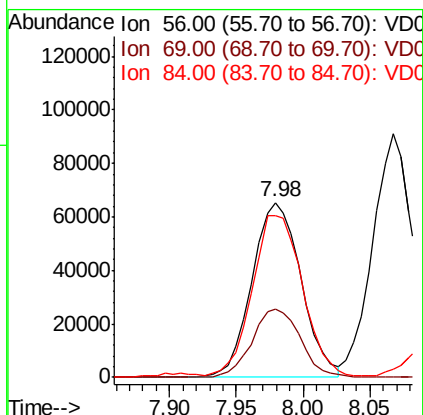
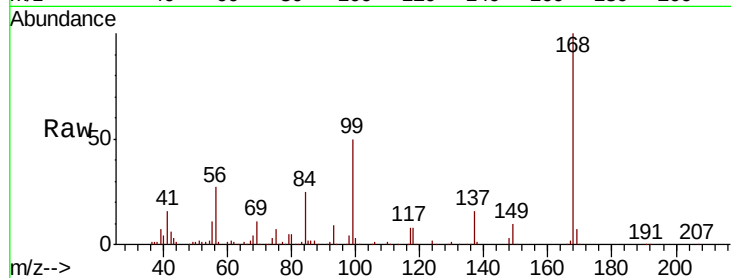




#31
Cyclohexane
Concen: 19.126 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD064354.D
Acq: 25 Nov 2019 12:11

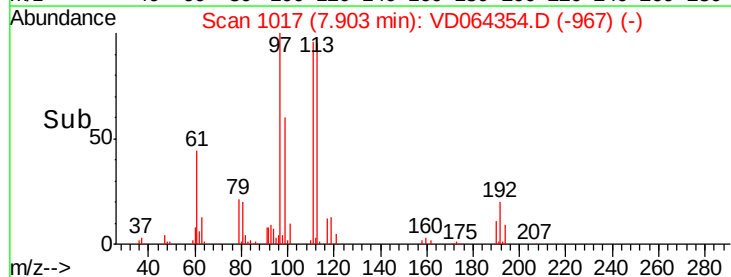
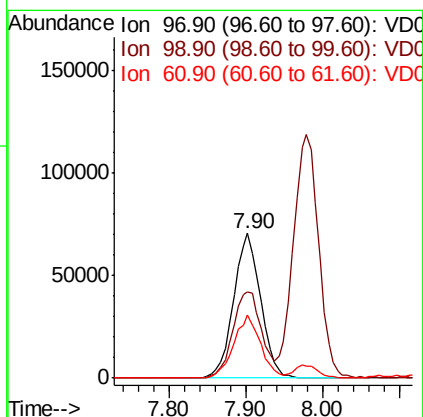
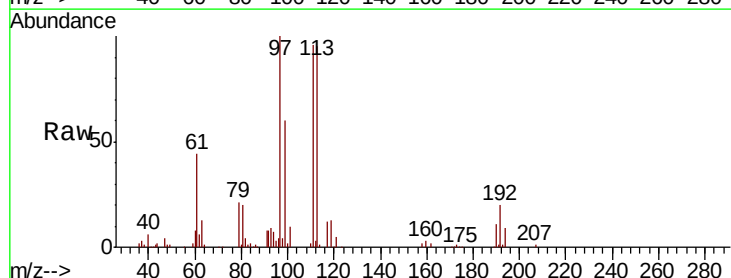
Instrument :
MSVOA_D
ClientSampleId :

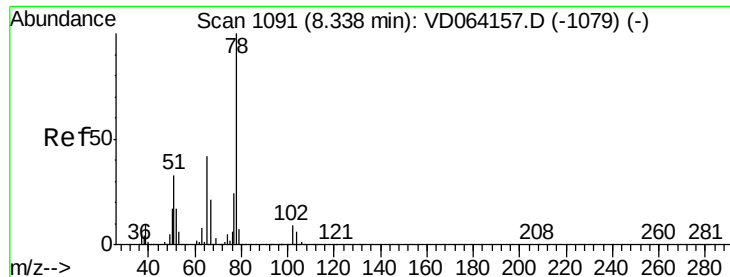
Tot Ion: 56 Resp: 166522
Ion Ratio Lower Upper
56 100
69 39.0 28.2 42.4
84 90.6 71.8 107.6



#32
1,1,1-Trichloroethane
Concen: 20.626 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. -0.01 min
Lab File: VD064354.D
Acq: 25 Nov 2019 12:11

Tgt Ion: 97 Resp: 174405
Ion Ratio Lower Upper
97 100
99 63.3 51.6 77.4
61 42.9 34.2 51.2

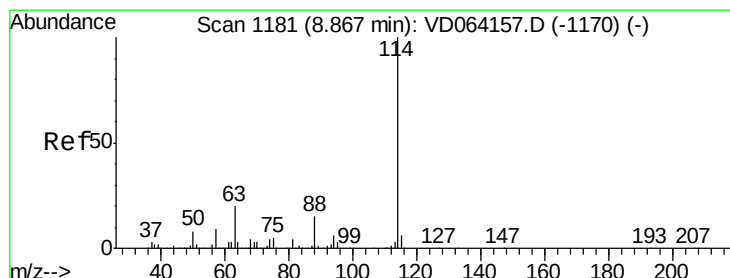
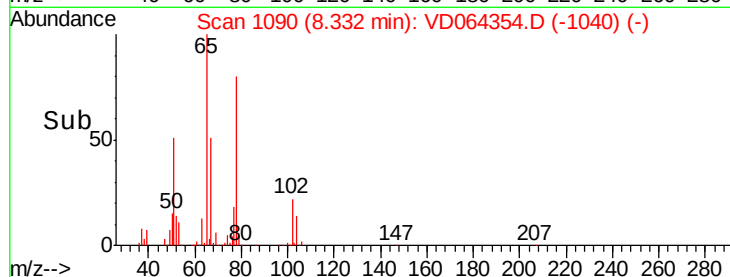
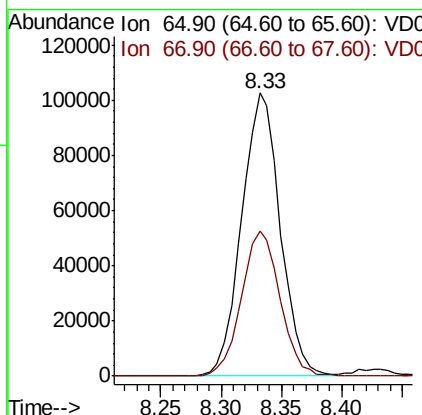
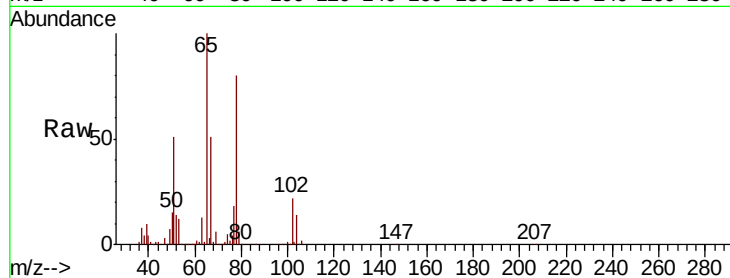




#33
 1,2-Dichloroethane-d4
 Concen: 51.413 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. -0.01 min
 Lab File: VD064354.D
 Acq: 25 Nov 2019 12:11

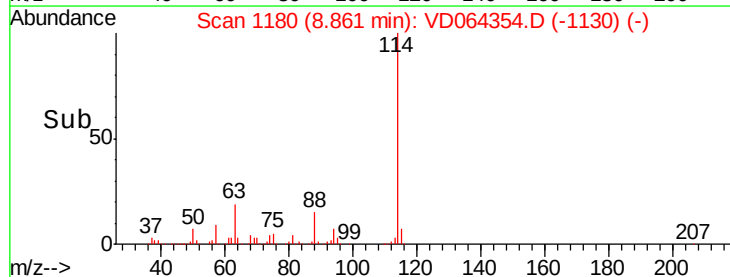
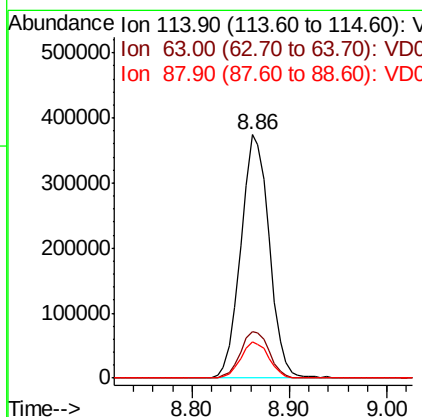
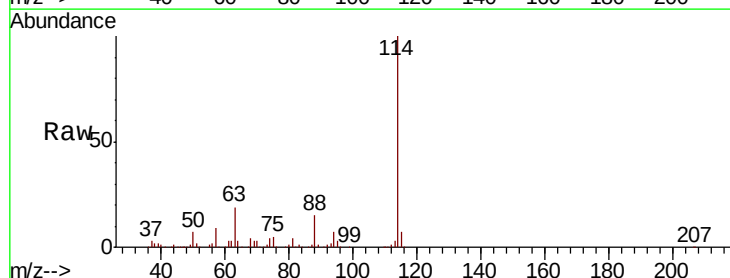
Instrument :
 MSVOA_D
 ClientSampleID :

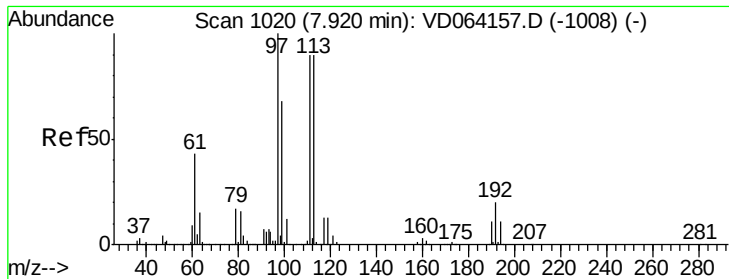
Tot Ion: 65 Resp: 228073
 Ion Ratio Lower Upper
 65 100
 67 51.2 0.0 104.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.86 min Scan# 1180
 Delta R.T. -0.01 min
 Lab File: VD064354.D
 Acq: 25 Nov 2019 12:11

Tgt Ion: 114 Resp: 762643
 Ion Ratio Lower Upper
 114 100
 63 19.0 0.0 40.0
 88 14.9 0.0 30.2

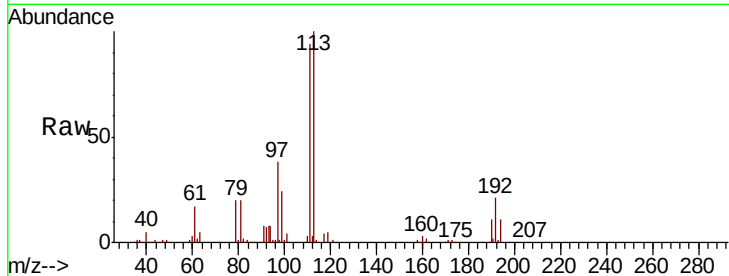




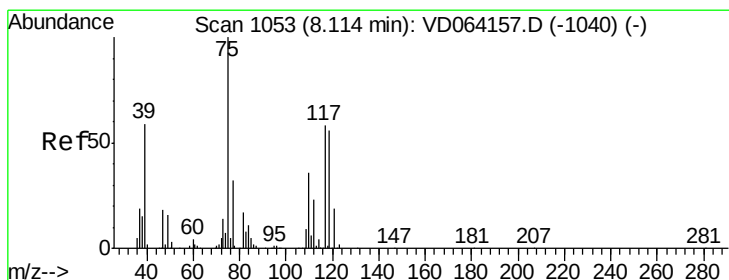
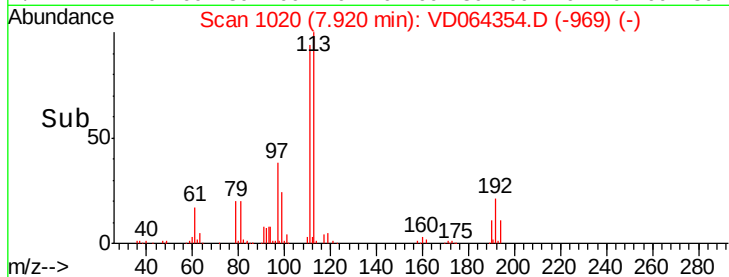
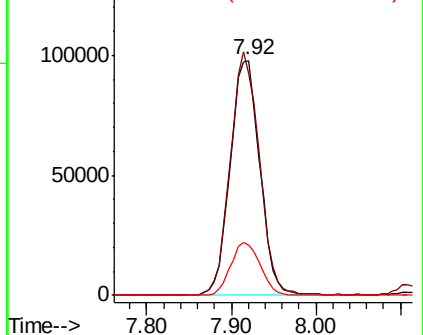
#35
 Dibromofluoromethane
 Concen: 54.172 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. -0.00 min
 Lab File: VD064354.D
 Acq: 25 Nov 2019 12:11

Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
113	100		
111	101.2	81.5	122.3
192	22.4	18.8	28.2

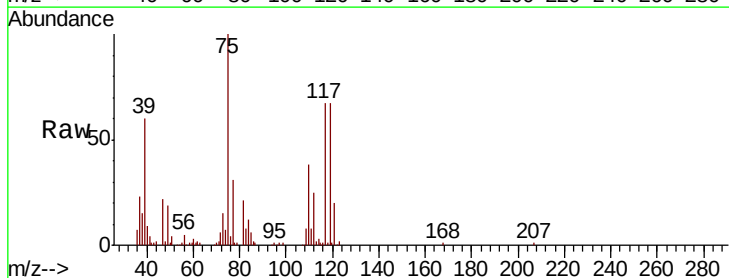


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

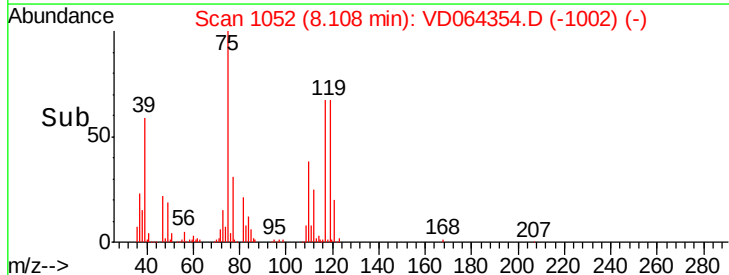
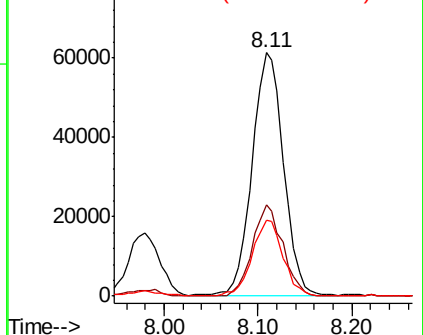


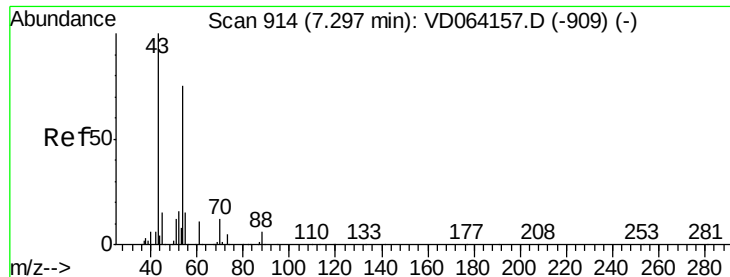
#36
 1,1-Dichloropropene
 Concen: 20.248 ug/l
 RT: 8.11 min Scan# 1052
 Delta R.T. -0.01 min
 Lab File: VD064354.D
 Acq: 25 Nov 2019 12:11

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.0	18.3	54.9
77	30.8	25.0	37.6



Abundance Ion 74.90 (74.60 to 75.60): V
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): V

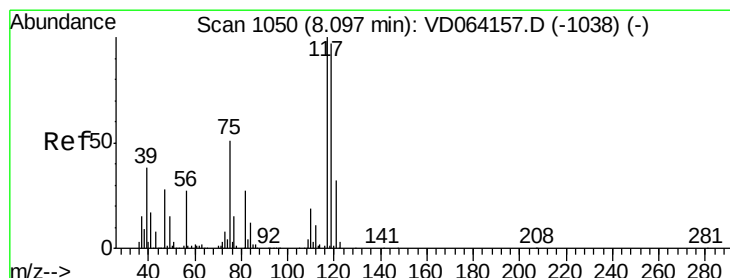
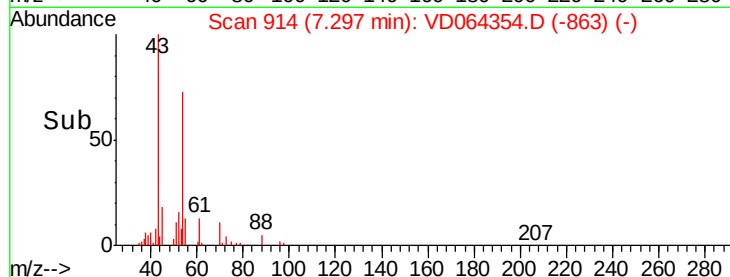
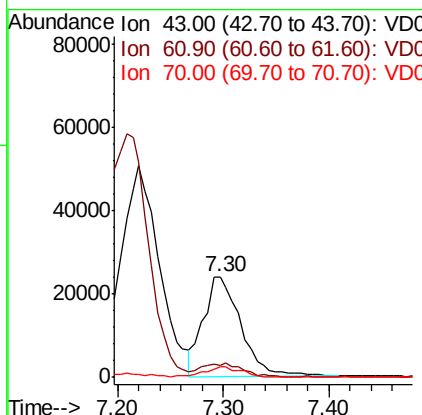
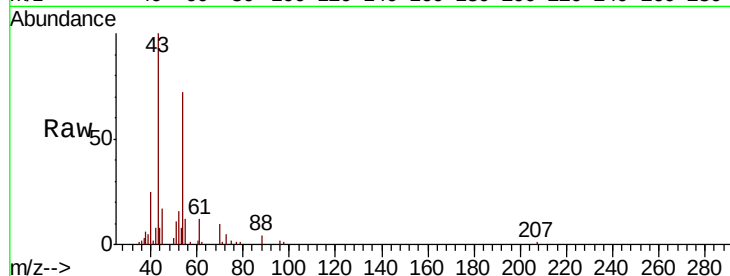




#37
Ethyl Acetate
Concen: 19.846 ug/l
RT: 7.30 min Scan# 914
Delta R.T. -0.00 min
Lab File: VD064354.D
Acq: 25 Nov 2019 12:11

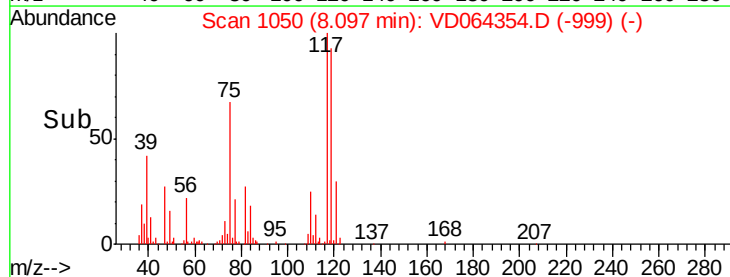
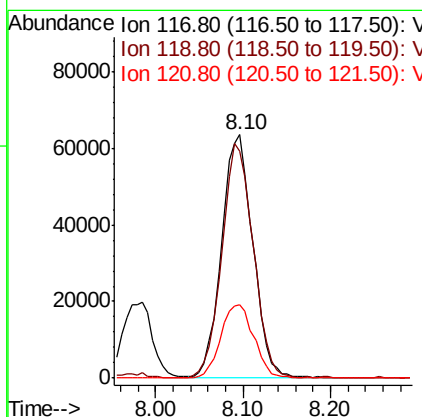
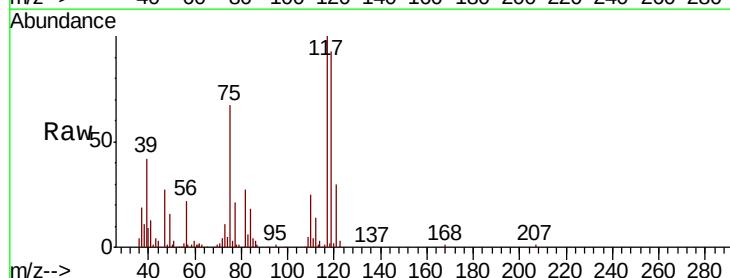
Instrument :
MSVOA_D
ClientSampleId :

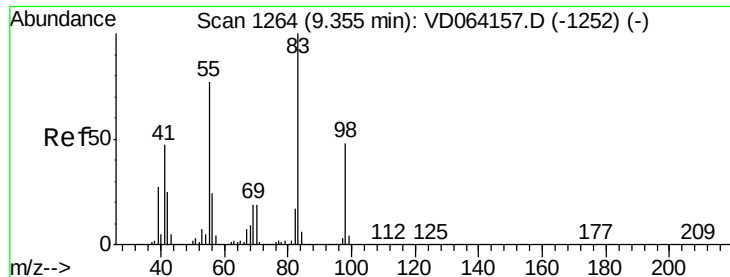
Tot Ion: 43 Resp: 58889
Ion Ratio Lower Upper
43 100
61 15.9 10.2 15.2#
70 10.9 8.5 12.7



#38
Carbon Tetrachloride
Concen: 20.741 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VD064354.D
Acq: 25 Nov 2019 12:11

Tgt Ion: 117 Resp: 156210
Ion Ratio Lower Upper
117 100
119 93.5 77.2 115.8
121 30.1 25.5 38.3

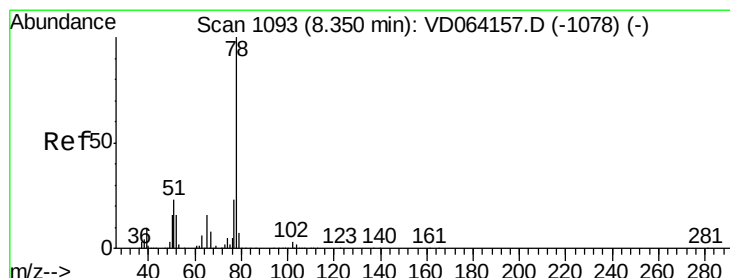
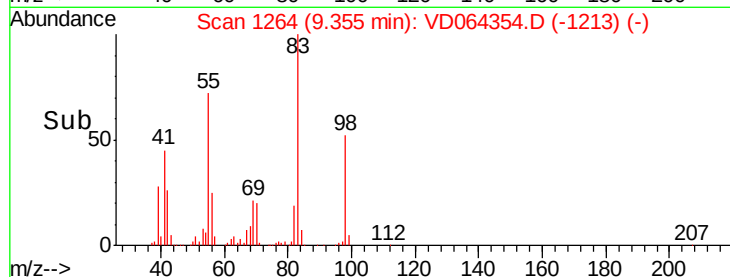
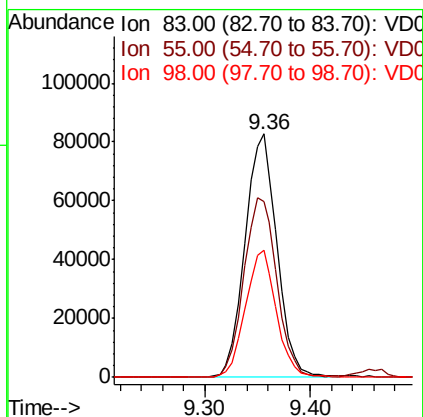
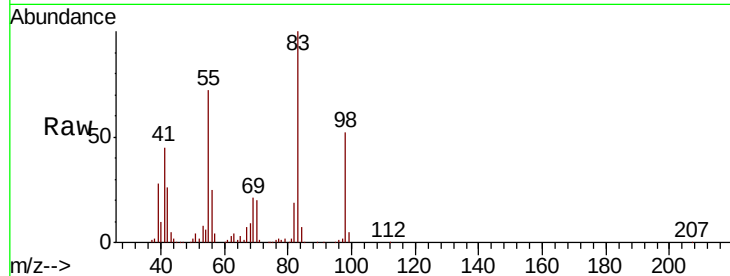




#39
Methylvlcyclohexane
Concen: 19.508 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VD064354.D
Acq: 25 Nov 2019 12:11

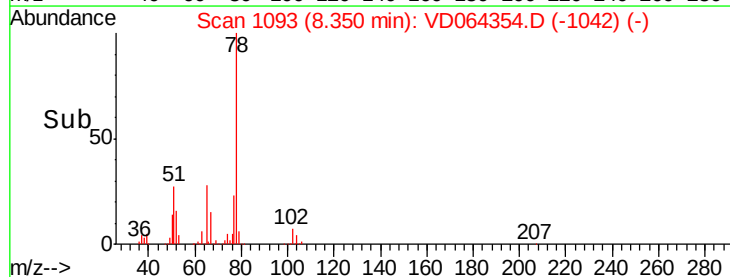
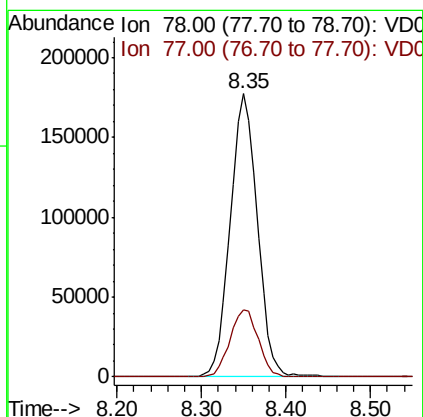
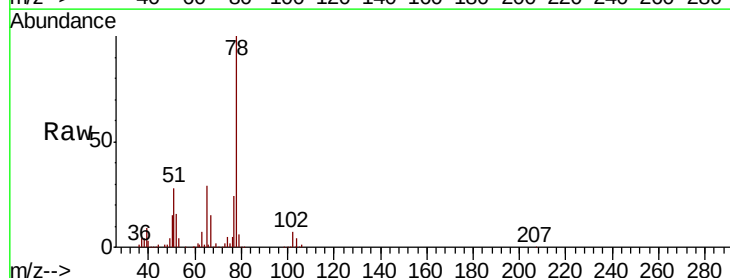
Instrument :
MSVOA_D
ClientSampled :

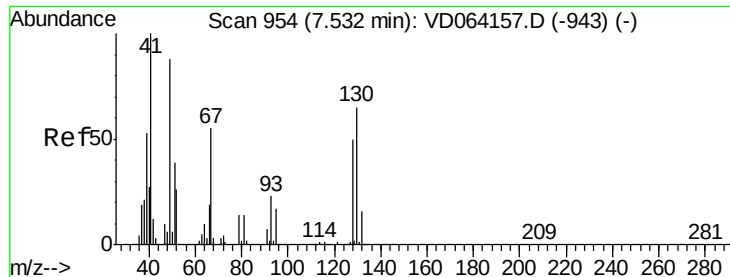
Tot Ion: 83 Resp: 173742
Ion Ratio Lower Upper
83 100
55 72.2 61.7 92.5
98 52.4 38.6 58.0



#40
Benzene
Concen: 20.371 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. -0.00 min
Lab File: VD064354.D
Acq: 25 Nov 2019 12:11

Tgt Ion: 78 Resp: 391859
Ion Ratio Lower Upper
78 100
77 23.6 18.6 28.0





#41

Methacrylonitrile

Concen: 16.734 ug/l

RT: 7.53 min Scan# 954

Delta R.T. -0.00 min

Lab File: VD064354.D

Acq: 25 Nov 2019 12:11

Instrument :

MSVOA_D

ClientSampled :

Tot Ion: 41 Resp: 31208

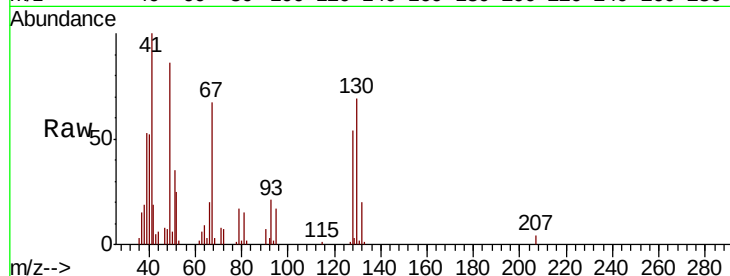
Ion Ratio Lower Upper

41 100

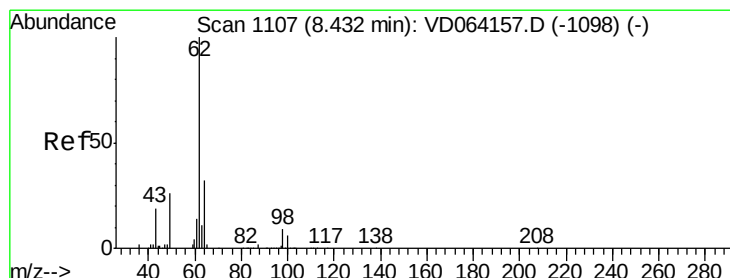
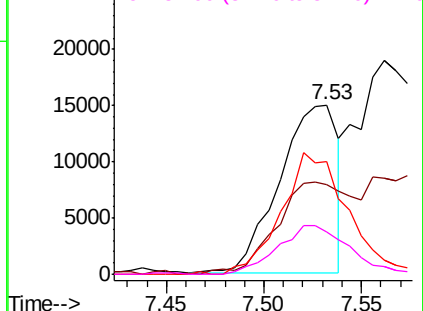
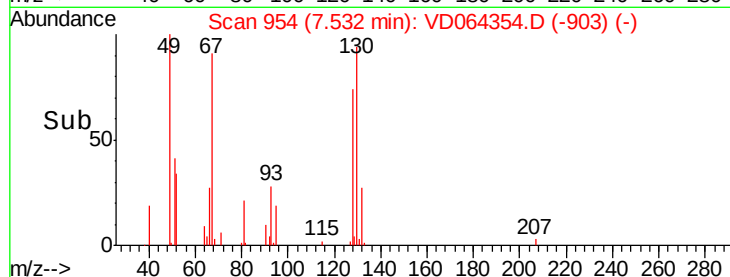
39 72.9 49.4 74.2

67 81.4 49.6 74.4#

52 35.2 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: 19.983 ug/l

RT: 8.43 min Scan# 1106

Delta R.T. -0.01 min

Lab File: VD064354.D

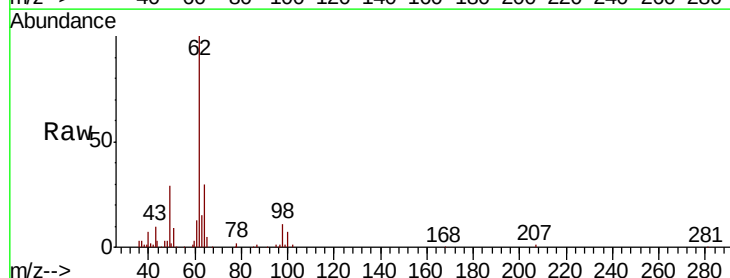
Acq: 25 Nov 2019 12:11

Tgt Ion: 62 Resp: 115450

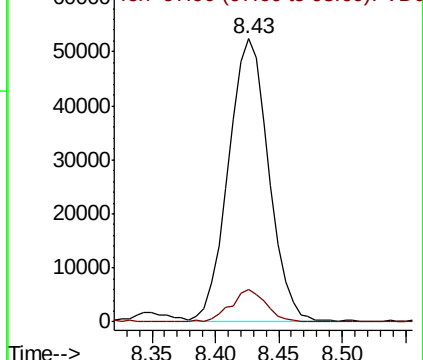
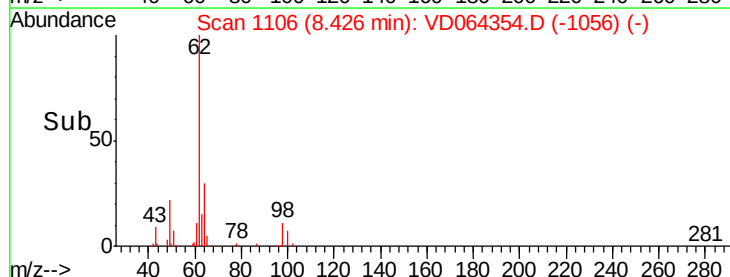
Ion Ratio Lower Upper

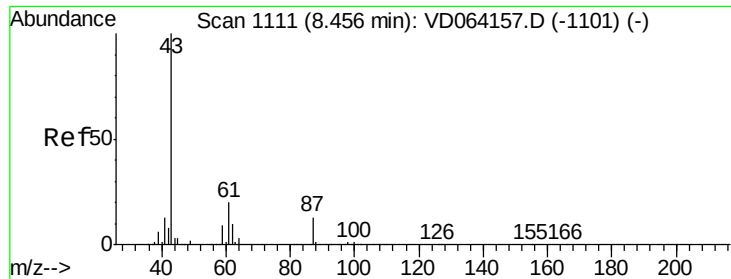
62 100

98 10.2 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: 19.684 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. -0.00 min

Lab File: VD064354.D

Acq: 25 Nov 2019 12:11

Instrument :

MSVOA_D

ClientSampleId :

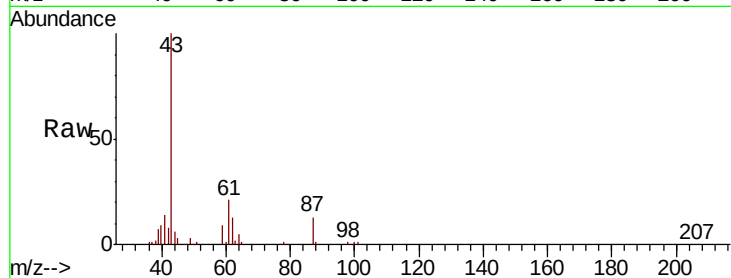
Tot Ion: 43 Resp: 120342

Ion Ratio Lower Upper

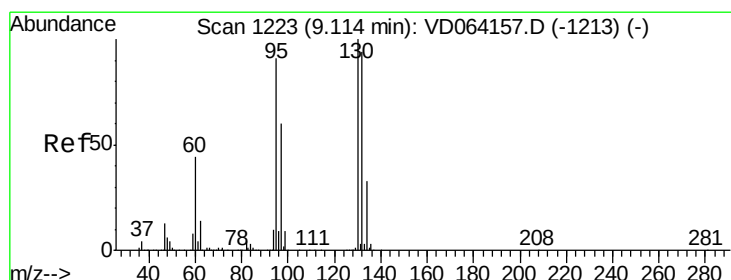
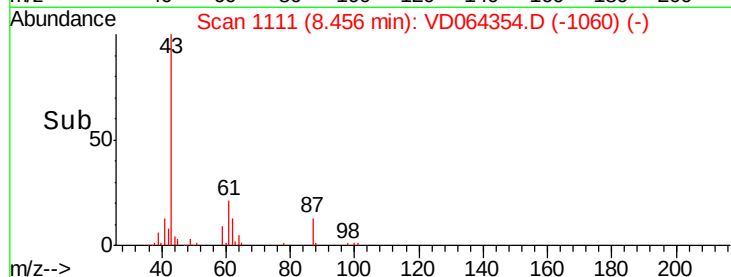
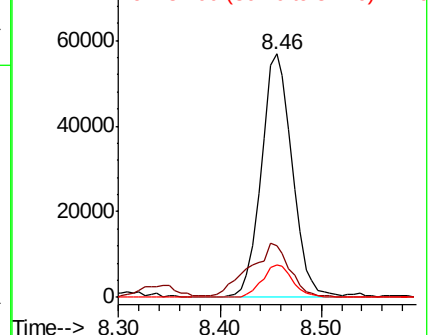
43 100

61 28.9 22.9 34.3

87 13.0 10.2 15.2



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



#44

Trichloroethene

Concen: 20.729 ug/l

RT: 9.11 min Scan# 1222

Delta R.T. -0.01 min

Lab File: VD064354.D

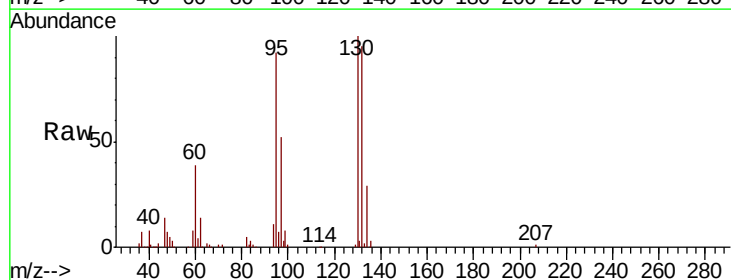
Acq: 25 Nov 2019 12:11

Tgt Ion:130 Resp: 119678

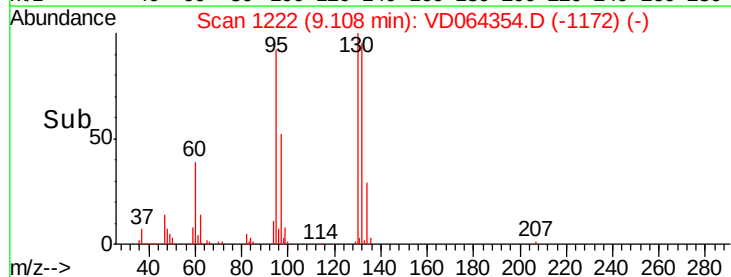
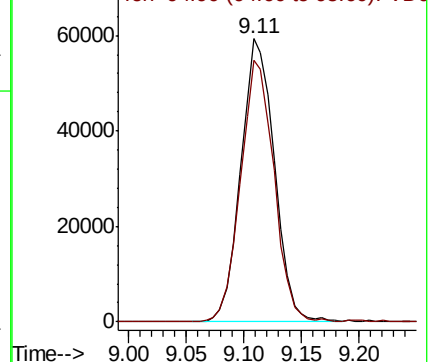
Ion Ratio Lower Upper

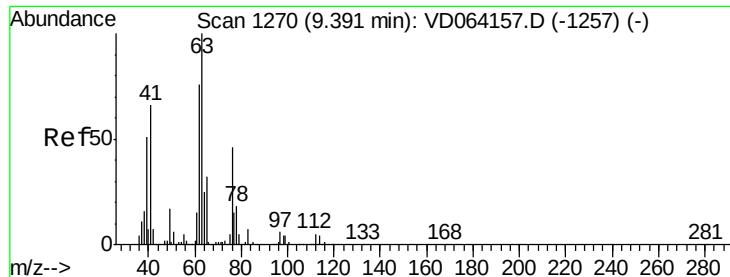
130 100

95 92.4 0.0 181.6



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

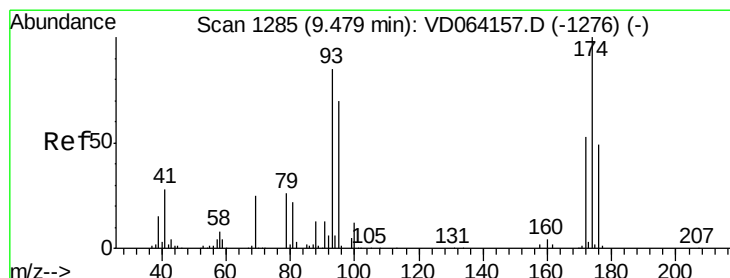
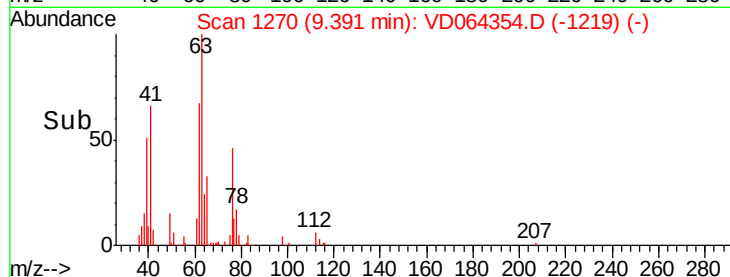
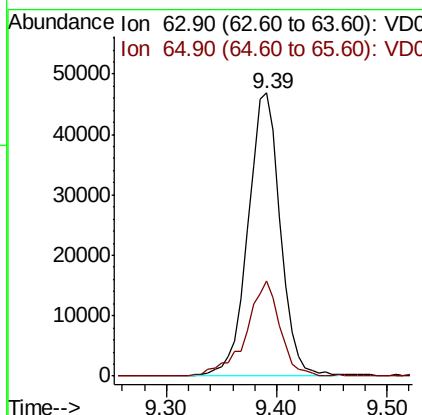
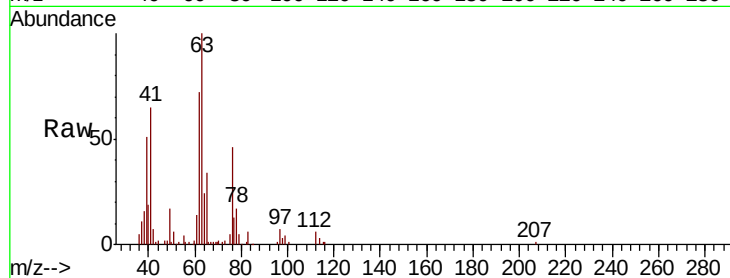




#45
 1,2-Dichloropropane
 Concen: 20.628 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VD064354.D
 Acq: 25 Nov 2019 12:11

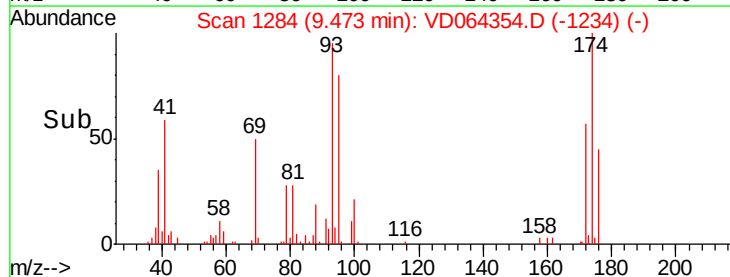
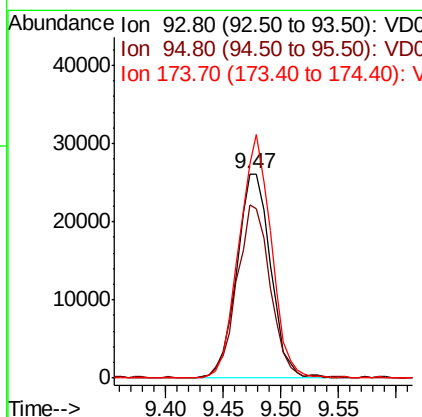
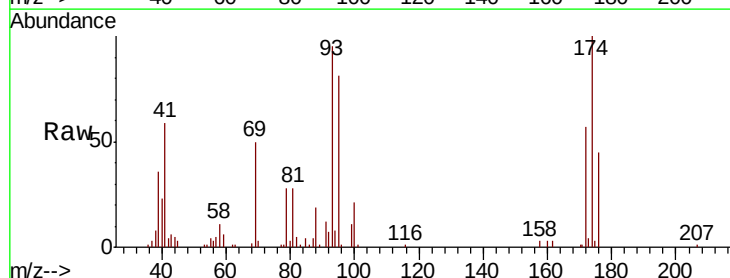
Instrument :
 MSVOA_D
 ClientSampled :

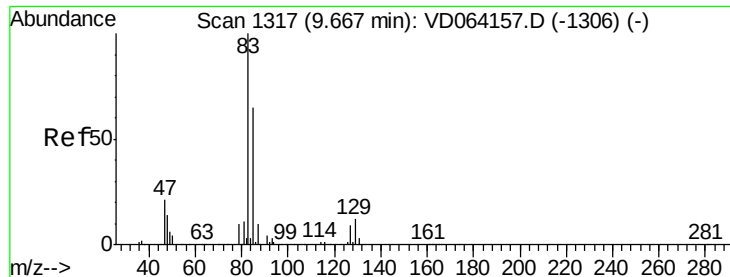
Tot Ion: 63 Resp: 96584
 Ion Ratio Lower Upper
 63 100
 65 33.6 25.7 38.5



#46
 Dibromomethane
 Concen: 21.249 ug/l
 RT: 9.47 min Scan# 1284
 Delta R.T. -0.01 min
 Lab File: VD064354.D
 Acq: 25 Nov 2019 12:11

Tgt Ion: 93 Resp: 53262
 Ion Ratio Lower Upper
 93 100
 95 83.4 65.5 98.3
 174 112.8 93.9 140.9





#47

Bromodichloromethane

Concen: 21.040 ug/l

RT: 9.66 min Scan# 1316

Delta R.T. -0.01 min

Lab File: VD064354.D

Acq: 25 Nov 2019 12:11

Instrument :

MSVOA_D

ClientSampleId :

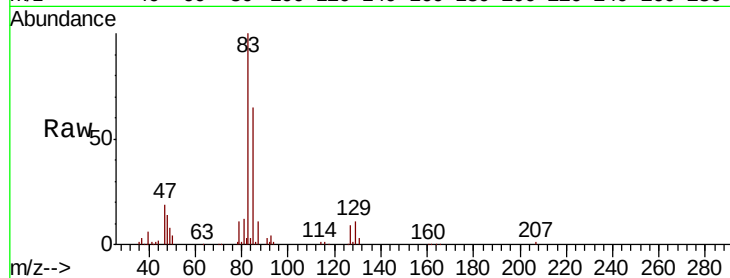
Tot Ion: 83 Resp: 142057

Ion Ratio Lower Upper

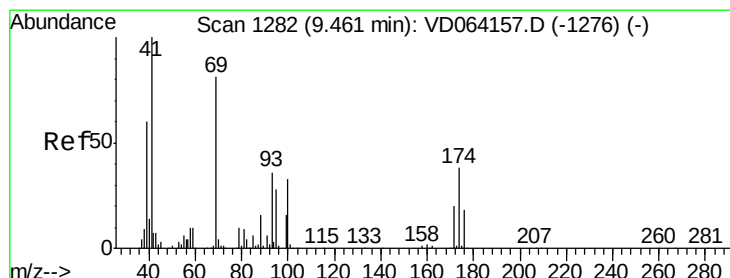
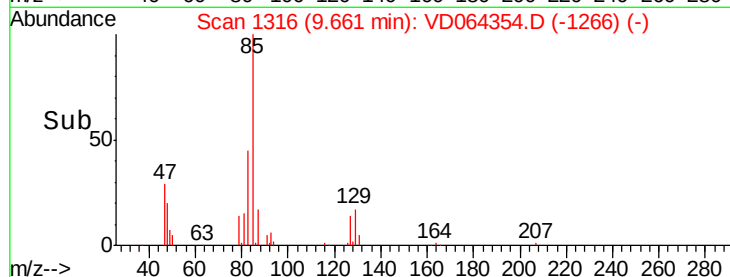
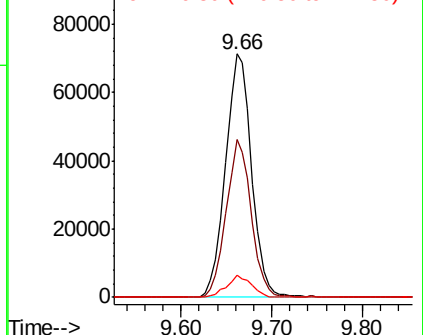
83 100

85 64.9 52.2 78.4

127 9.3 7.5 11.3



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



#48

Methyl methacrylate

Concen: 18.585 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. -0.00 min

Lab File: VD064354.D

Acq: 25 Nov 2019 12:11

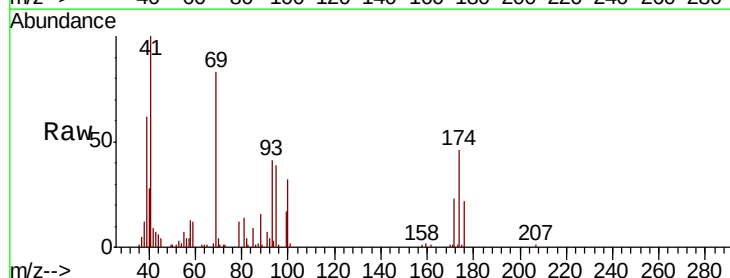
Tgt Ion: 41 Resp: 55561

Ion Ratio Lower Upper

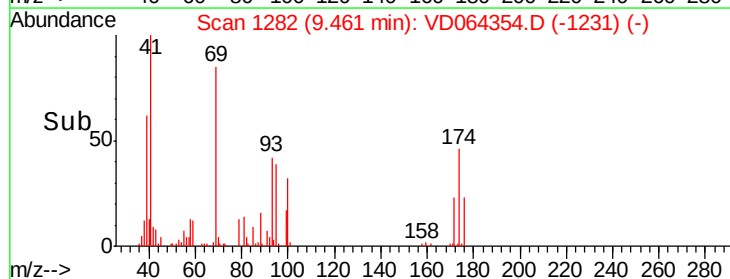
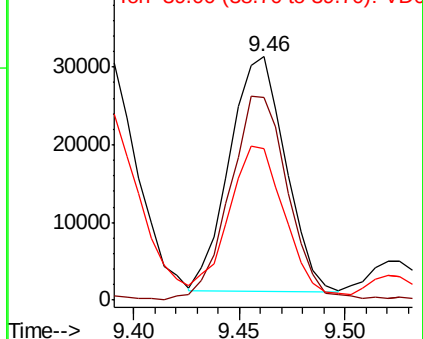
41 100

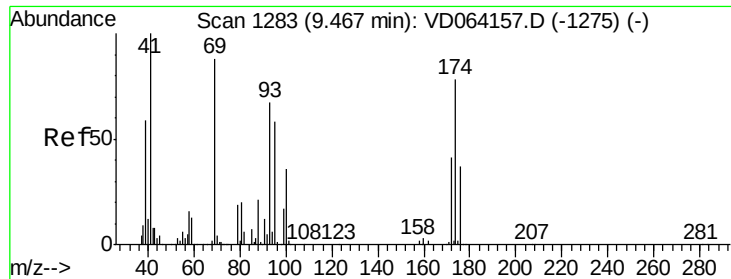
69 90.5 64.6 97.0

39 61.9 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

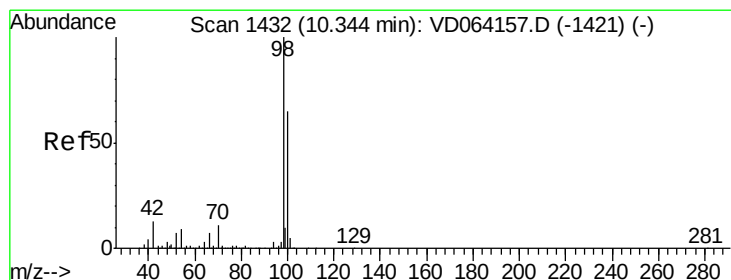
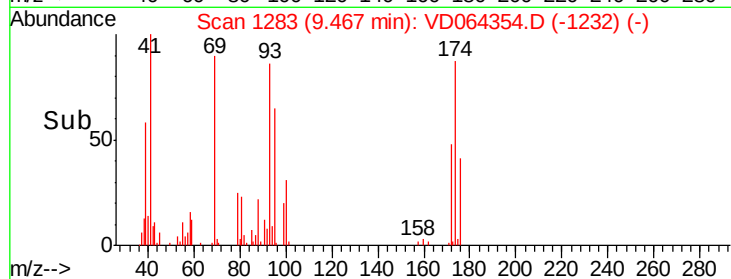
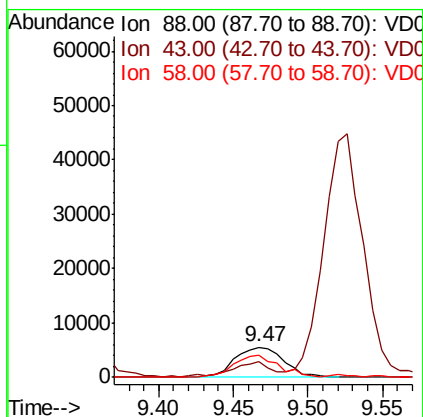
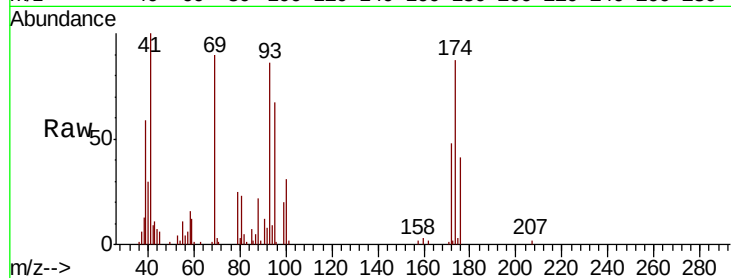




#49
1,4-Dioxane
Concen: 414.960 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VD064354.D
Acq: 25 Nov 2019 12:11

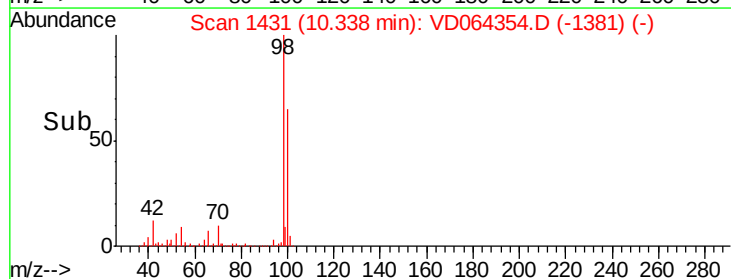
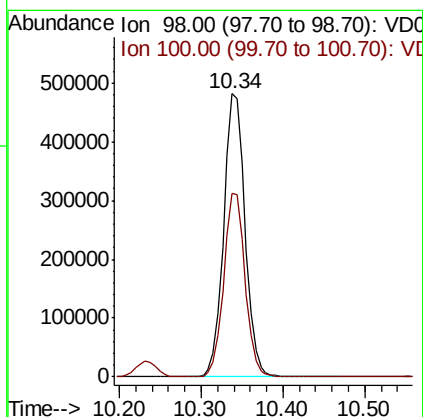
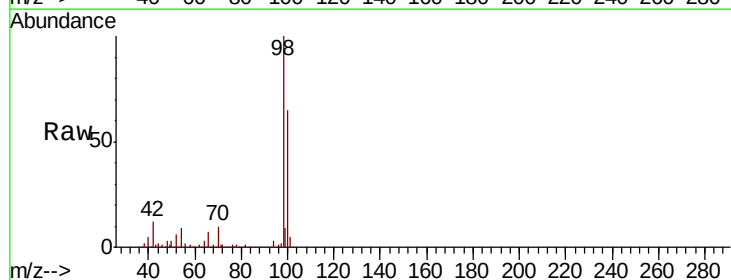
Instrument :
MSVOA_D
ClientSampled :

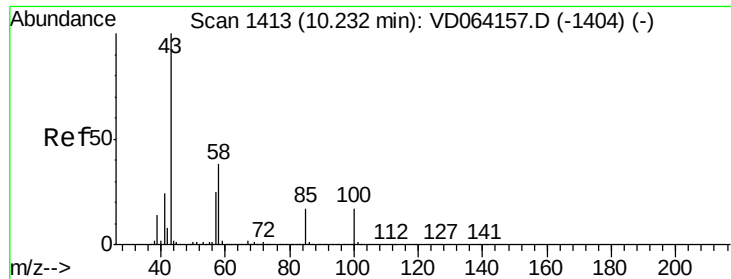
Tot Ion: 88 Resp: 12492
Ion Ratio Lower Upper
88 100
43 42.2 29.8 44.8
58 69.2 58.1 87.1



#50
Toluene-d8
Concen: 53.151 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. -0.01 min
Lab File: VD064354.D
Acq: 25 Nov 2019 12:11

Tgt Ion: 98 Resp: 877763
Ion Ratio Lower Upper
98 100
100 64.6 52.6 78.8





#51

4-Methyl-2-Pentanone

Concen: 99.995 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. -0.00 min

Lab File: VD064354.D

Acq: 25 Nov 2019 12:11

Instrument :

MSVOA_D

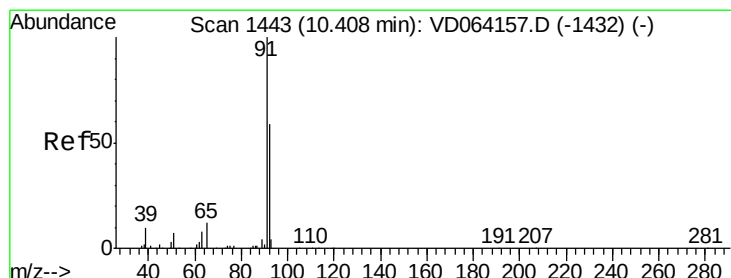
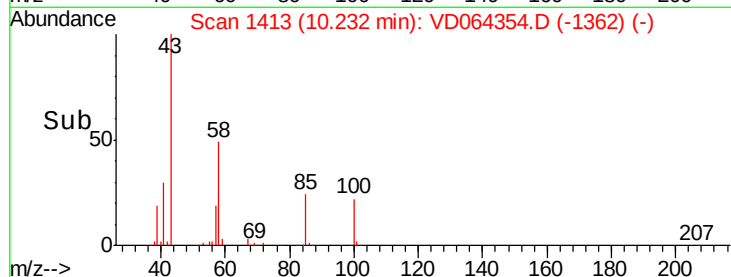
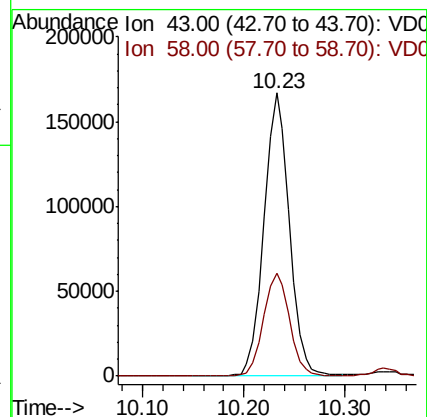
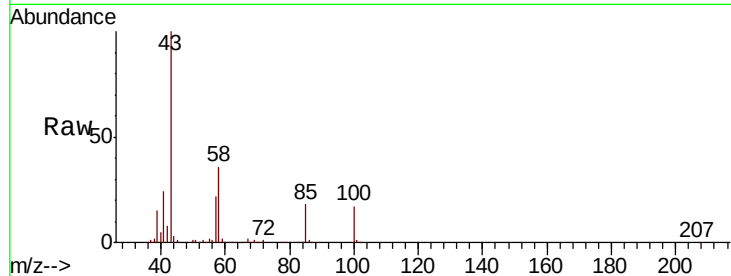
ClientSampleId :

Tot Ion: 43 Resp: 293169

Ion Ratio Lower Upper

43 100

58 37.4 30.2 45.4



#52

Toluene

Concen: 20.824 ug/l

RT: 10.40 min Scan# 1442

Delta R.T. -0.01 min

Lab File: VD064354.D

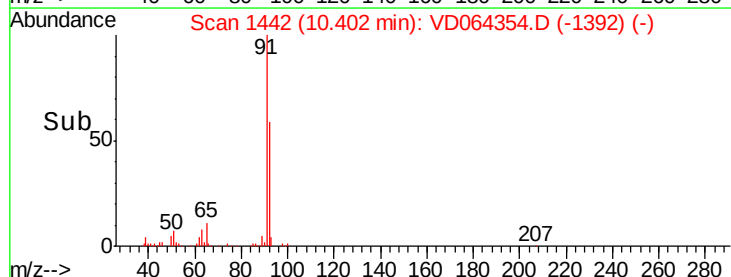
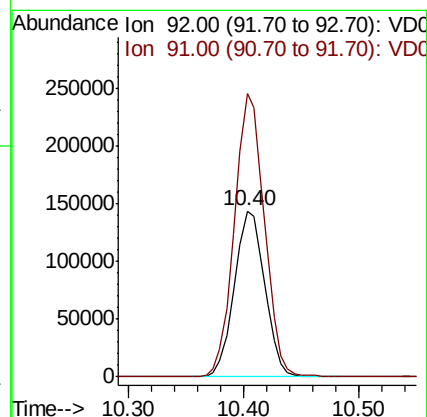
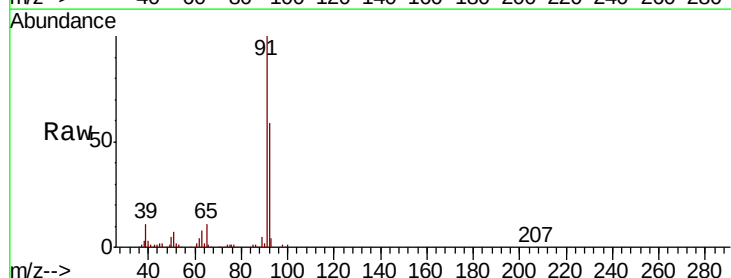
Acq: 25 Nov 2019 12:11

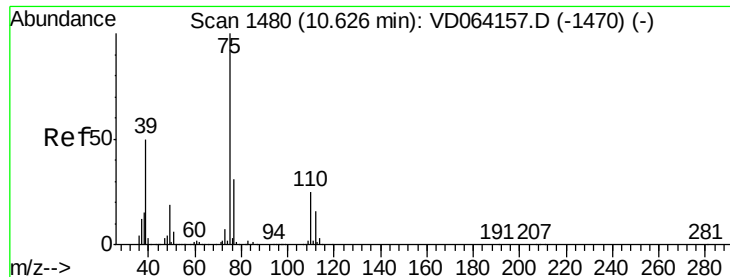
Tgt Ion: 92 Resp: 263412

Ion Ratio Lower Upper

92 100

91 168.5 136.4 204.6





#53

t-1,3-Dichloropropene

Concen: 19.526 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. -0.00 min

Lab File: VD064354.D

Acq: 25 Nov 2019 12:11

Instrument :

MSVOA_D

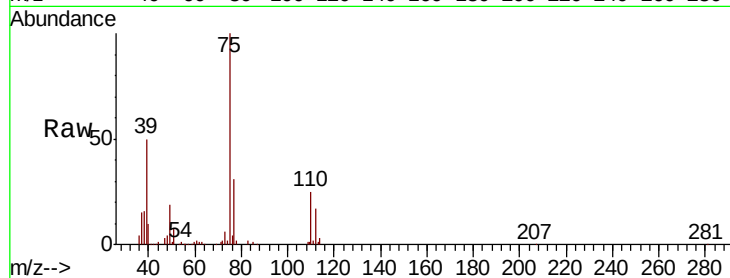
ClientSampleId :

Tot Ion: 75 Resp: 132077

Ion Ratio Lower Upper

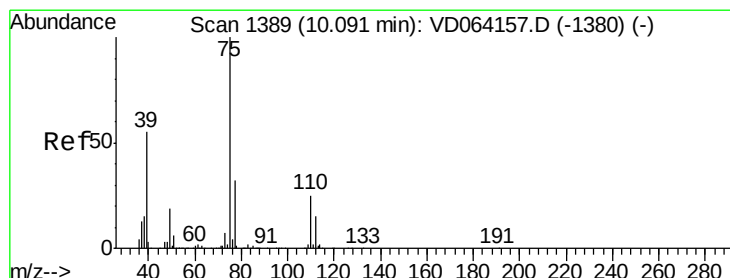
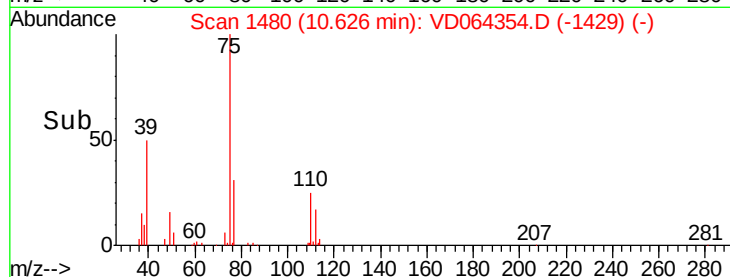
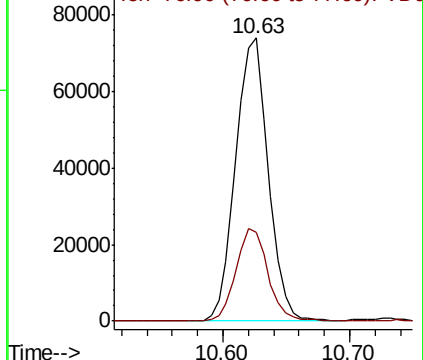
75 100

77 31.2 24.7 37.1



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 76.90 (76.60 to 77.60): VDC



#54

cis-1,3-Dichloropropene

Concen: 20.281 ug/l

RT: 10.09 min Scan# 1389

Delta R.T. -0.00 min

Lab File: VD064354.D

Acq: 25 Nov 2019 12:11

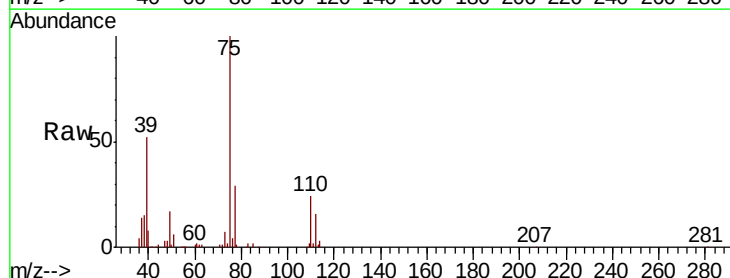
Tgt Ion: 75 Resp: 160088

Ion Ratio Lower Upper

75 100

77 29.5 25.2 37.8

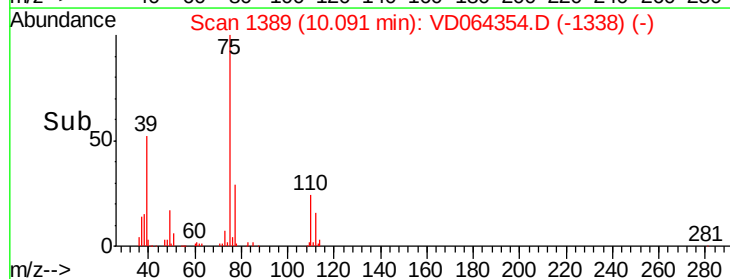
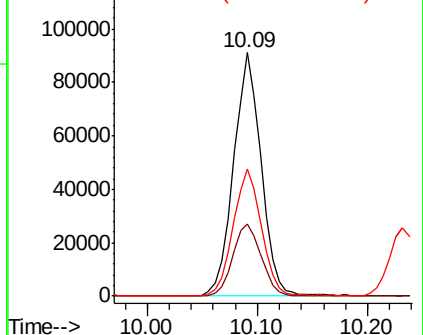
39 52.4 44.2 66.2

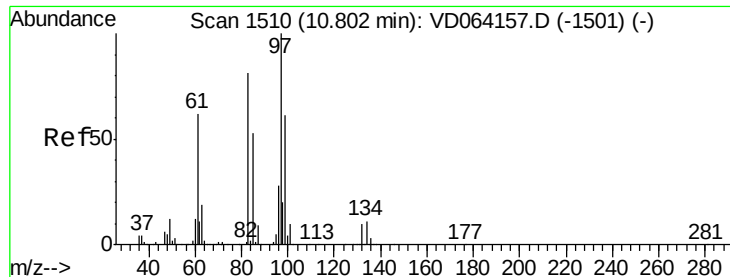


Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 76.90 (76.60 to 77.60): VDC

Ion 39.00 (38.70 to 39.70): VDC

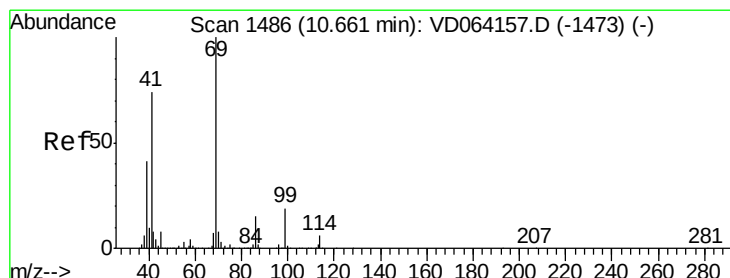
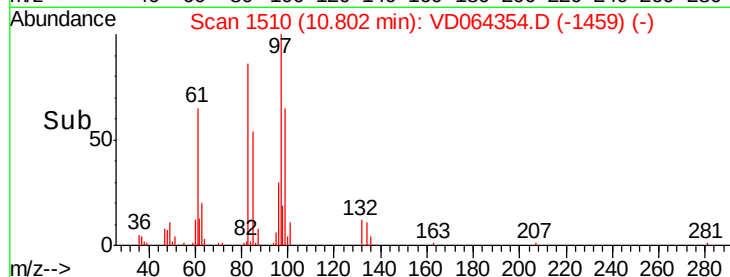
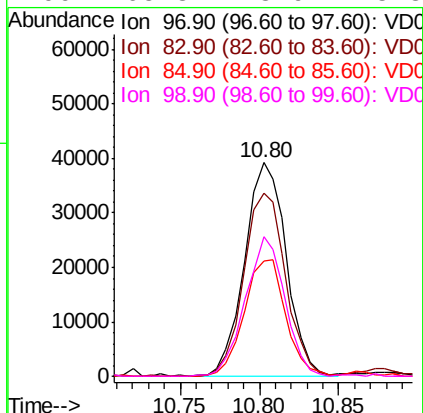
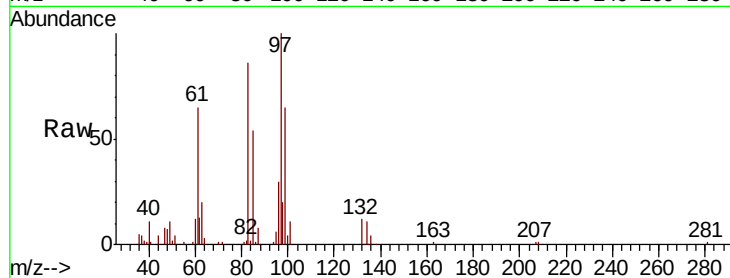




#55
 1,1,2-Trichloroethane
 Concen: 21.156 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. -0.00 min
 Lab File: VD064354.D
 Acq: 25 Nov 2019 12:11

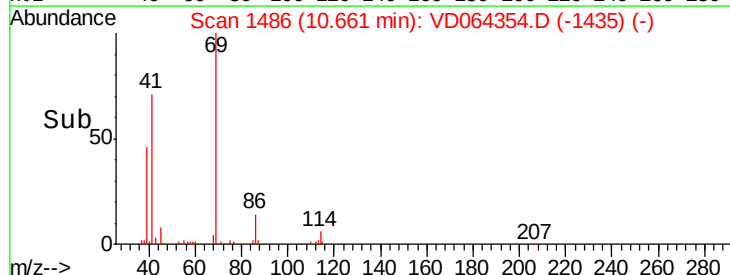
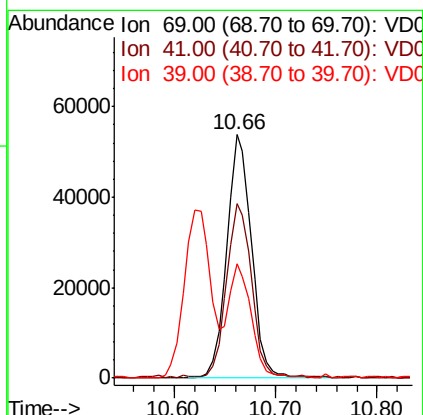
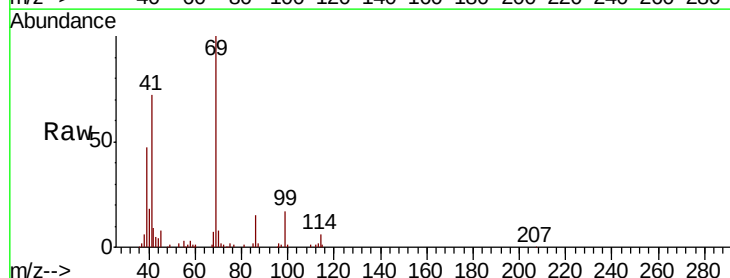
Instrument :
 MSVOA_D
 ClientSampleId :

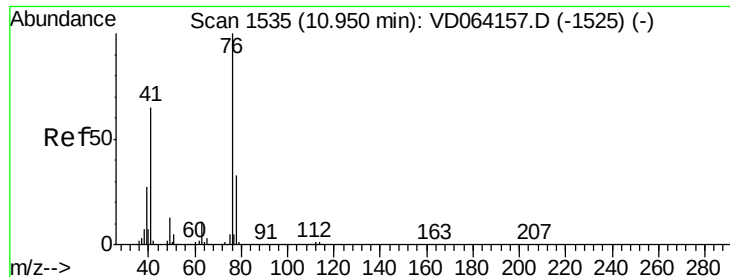
Tot Ion:	97	Resp:	71937
Ion	Ratio	Lower	Upper
97	100		
83	85.9	65.1	97.7
85	54.0	42.0	63.0
99	65.3	48.9	73.3



#56
 Ethyl methacrylate
 Concen: 19.136 ug/l
 RT: 10.66 min Scan# 1486
 Delta R.T. -0.00 min
 Lab File: VD064354.D
 Acq: 25 Nov 2019 12:11

Tgt Ion:	69	Resp:	91024
Ion	Ratio	Lower	Upper
69	100		
41	70.8	57.9	86.9
39	43.8	29.0	43.4#

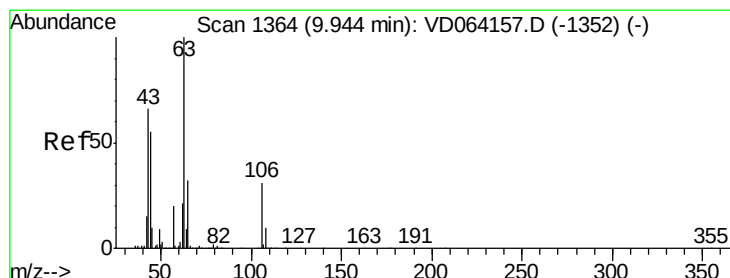
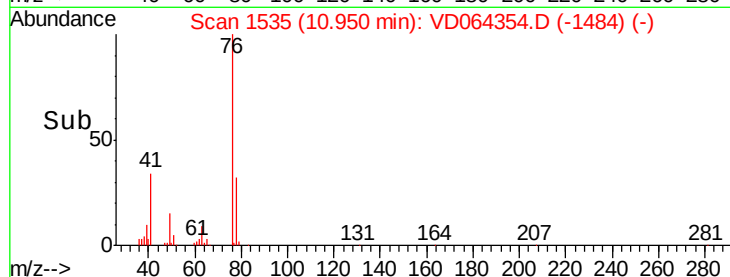
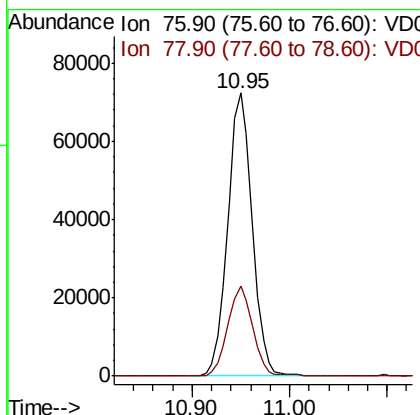
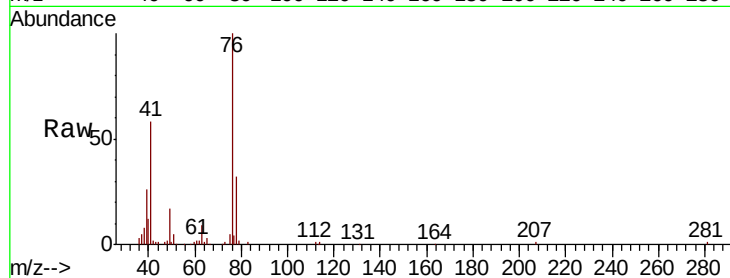




#57
 1,3-Dichloropropane
 Concen: 21.219 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. -0.00 min
 Lab File: VD064354.D
 Acq: 25 Nov 2019 12:11

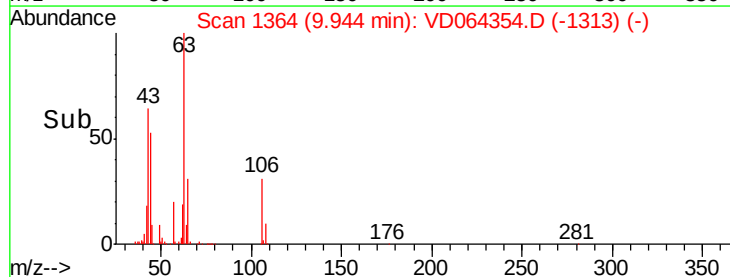
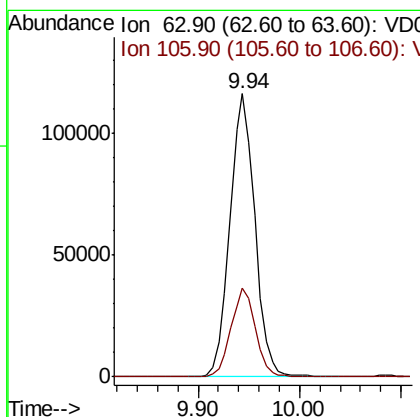
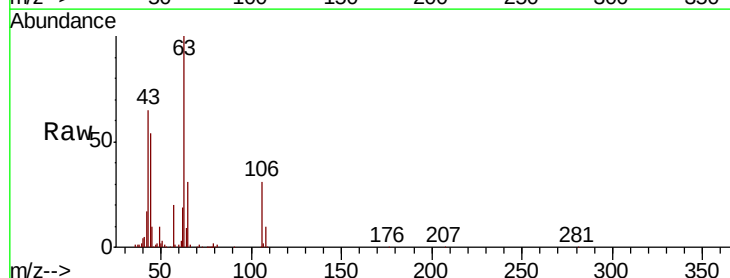
Instrument :
 MSVOA_D
 ClientSampleId :

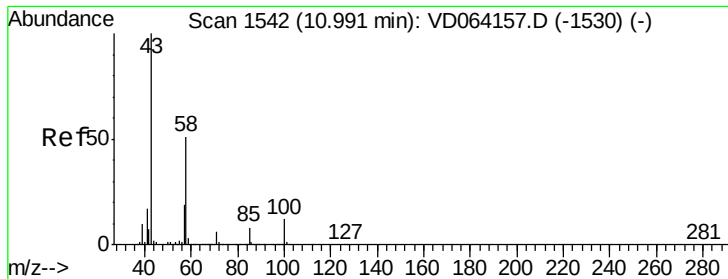
Tot Ion: 76 Resp: 125832
 Ion Ratio Lower Upper
 76 100
 78 32.4 26.2 39.4



#58
 2-Chloroethyl Vinyl ether
 Concen: 103.134 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. -0.00 min
 Lab File: VD064354.D
 Acq: 25 Nov 2019 12:11

Tgt Ion: 63 Resp: 198720
 Ion Ratio Lower Upper
 63 100
 106 30.6 24.1 36.1

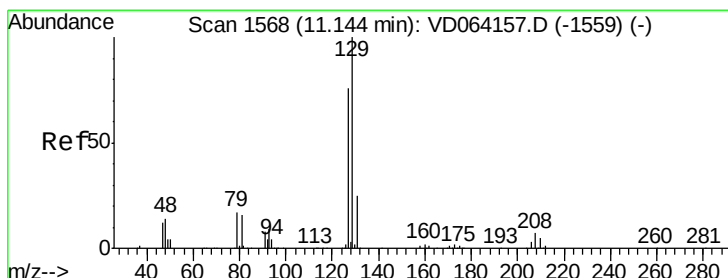
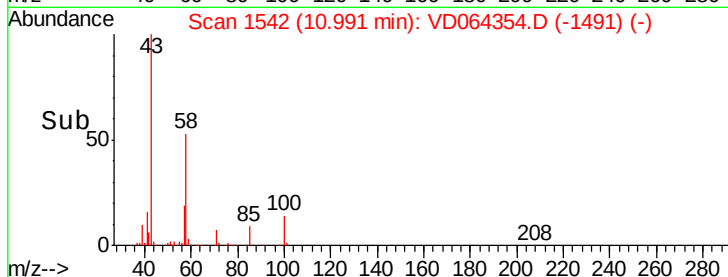
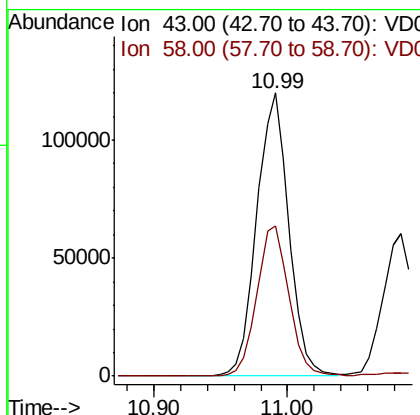
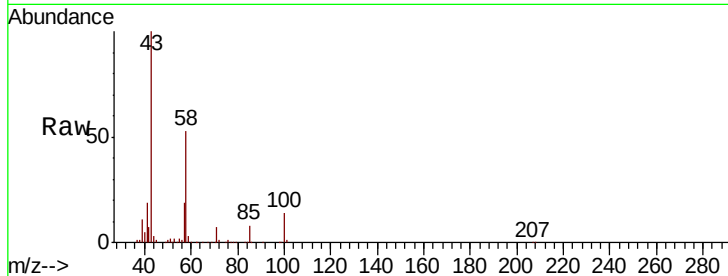




#59
2-Hexanone
Concen: 95.359 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. -0.00 min
Lab File: VD064354.D
Acq: 25 Nov 2019 12:11

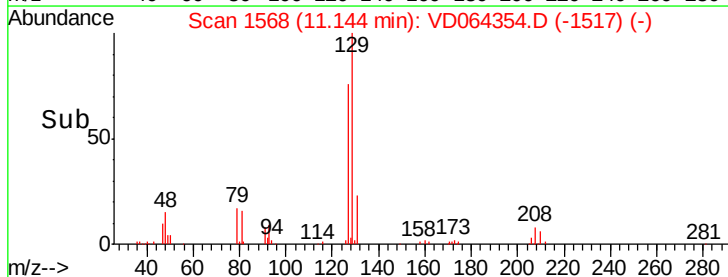
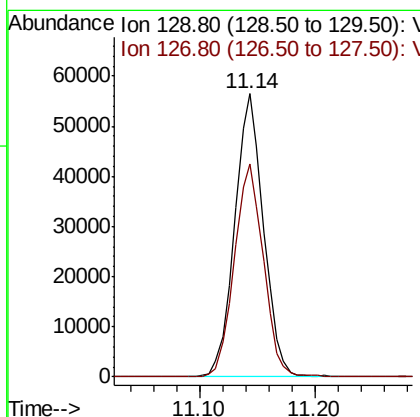
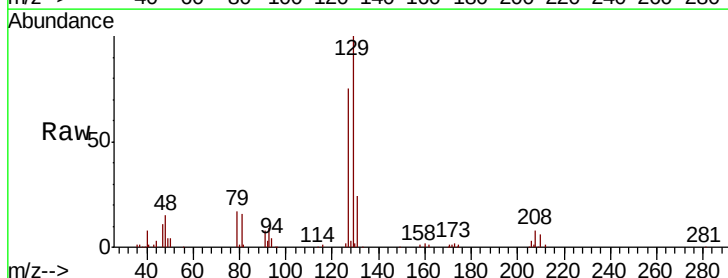
Instrument :
MSVOA_D
ClientSampled :

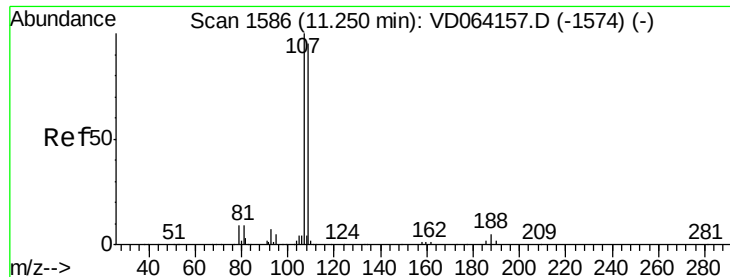
Tot Ion: 43 Resp: 198903
Ion Ratio Lower Upper
43 100
58 53.2 25.9 77.7



#60
Dibromochloromethane
Concen: 20.498 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VD064354.D
Acq: 25 Nov 2019 12:11

Tgt Ion: 129 Resp: 97259
Ion Ratio Lower Upper
129 100
127 75.9 38.6 115.8





#61

1,2-Dibromoethane

Concen: 20.986 ug/l

RT: 11.25 min Scan# 1586

Delta R.T. -0.00 min

Lab File: VD064354.D

Acq: 25 Nov 2019 12:11

Instrument :

MSVOA_D

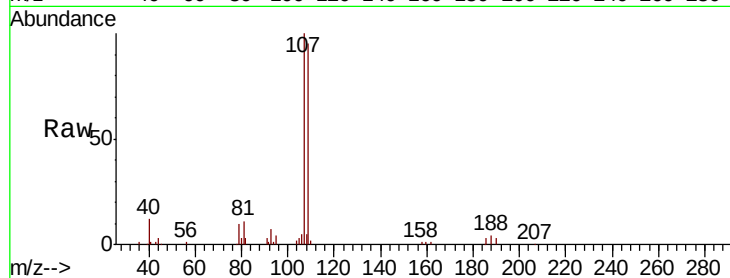
ClientSampleId :

Tot Ion:107 Resp: 71473

Ion Ratio Lower Upper

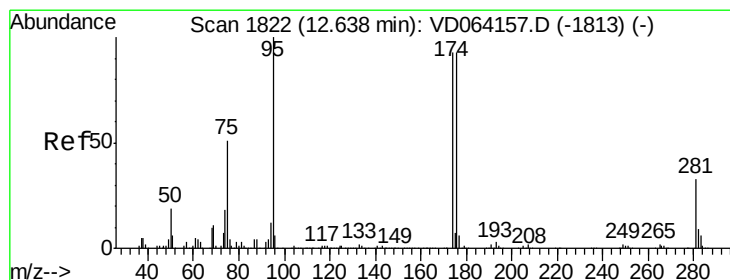
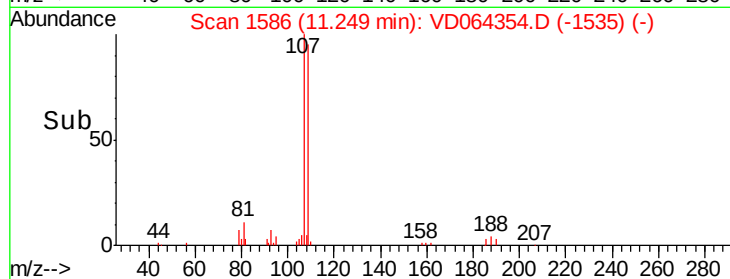
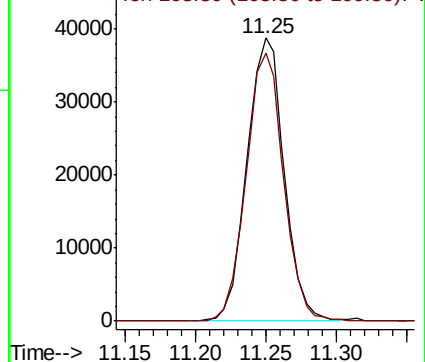
107 100

109 95.3 75.1 112.7



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 50.431 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.00 min

Lab File: VD064354.D

Acq: 25 Nov 2019 12:11

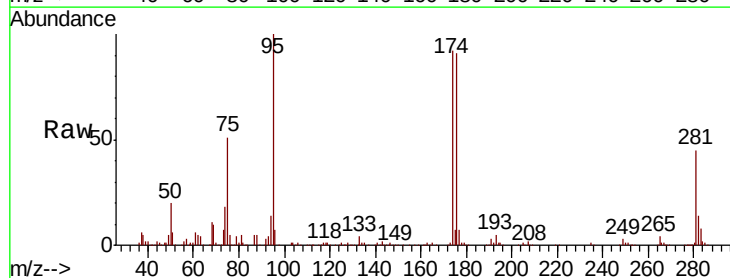
Tgt Ion: 95 Resp: 288421

Ion Ratio Lower Upper

95 100

174 94.7 0.0 183.6

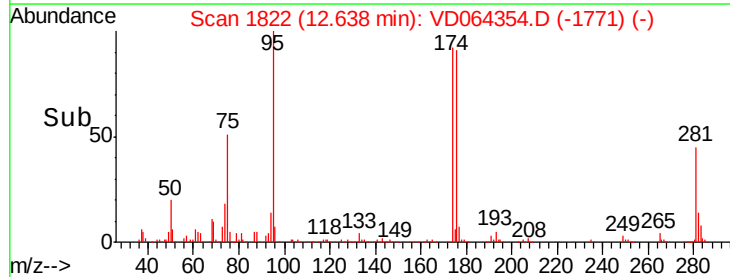
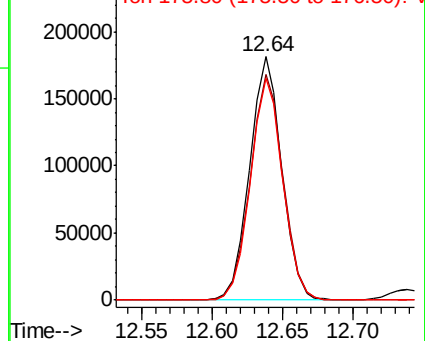
176 91.9 0.0 180.2

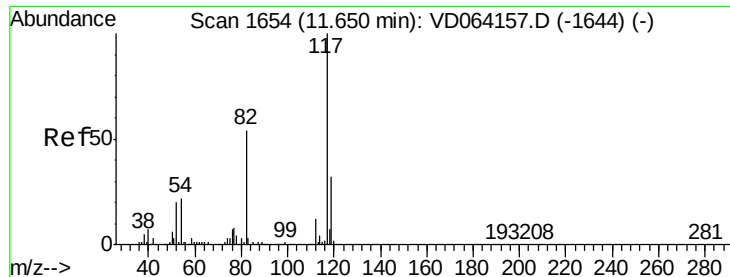


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

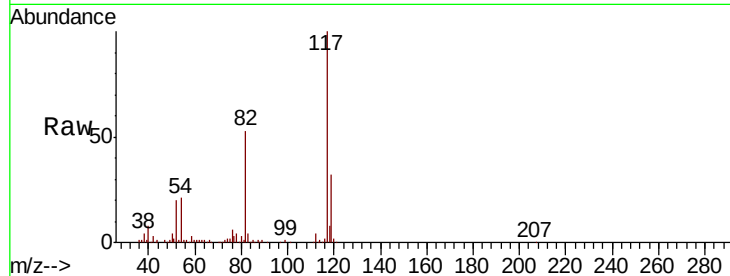




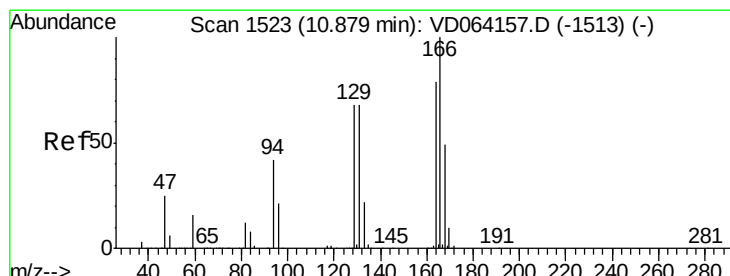
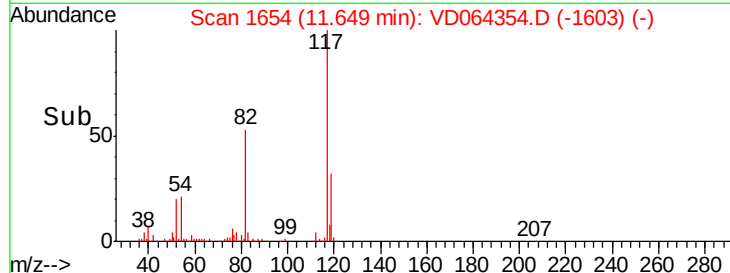
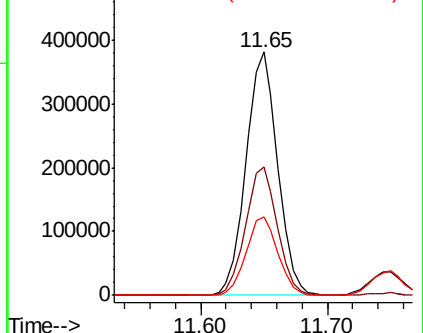
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD064354.D
Acq: 25 Nov 2019 12:11

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:117 Resp: 661133
Ion Ratio Lower Upper
117 100
82 52.8 42.8 64.2
119 32.4 25.6 38.4

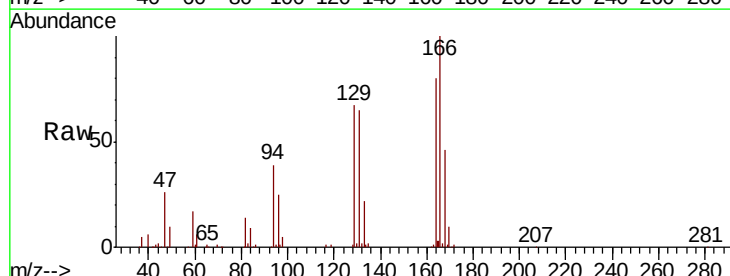


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

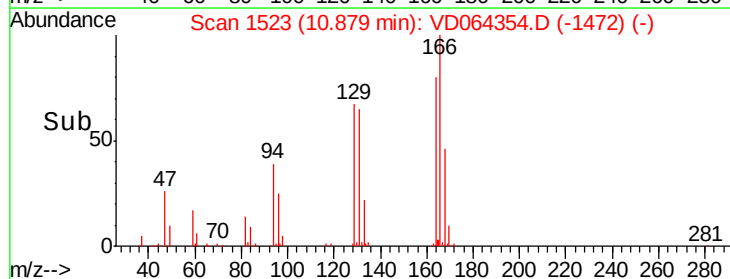
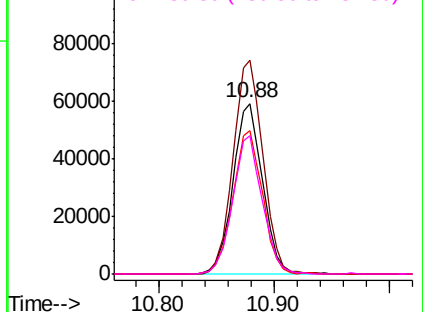


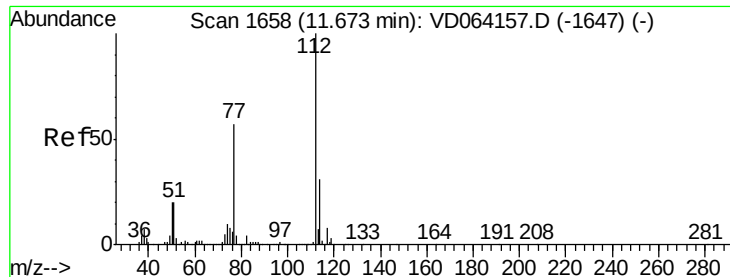
#64
Tetrachloroethene
Concen: 20.644 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. -0.00 min
Lab File: VD064354.D
Acq: 25 Nov 2019 12:11

Tgt Ion:164 Resp: 104970
Ion Ratio Lower Upper
164 100
166 125.1 100.8 151.2
129 84.4 68.7 103.1
131 80.8 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

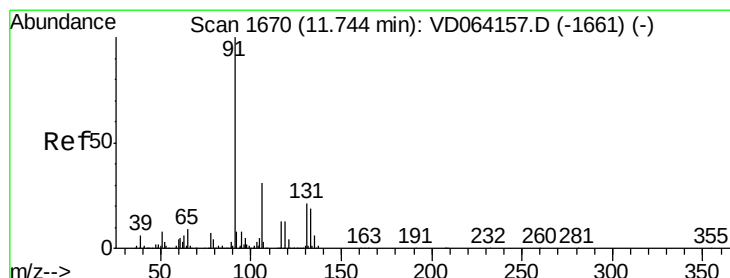
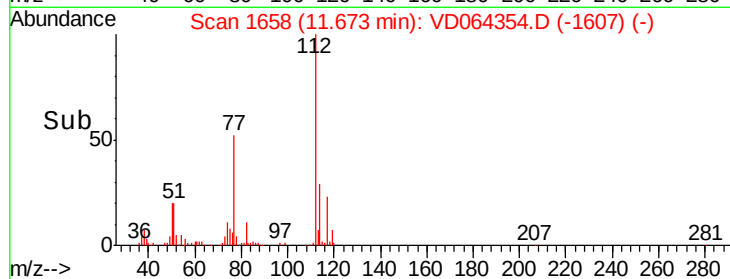
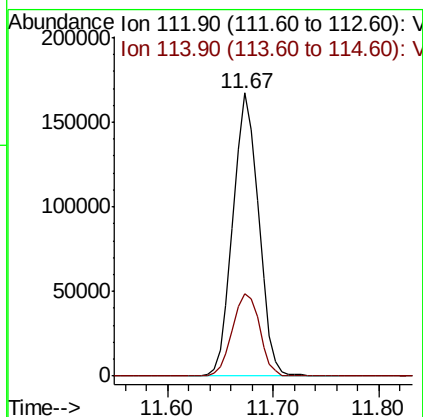
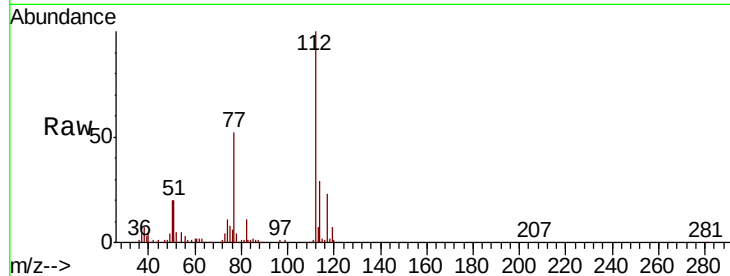




#65
Chlorobenzene
Concen: 20.917 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. -0.00 min
Lab File: VD064354.D
Acq: 25 Nov 2019 12:11

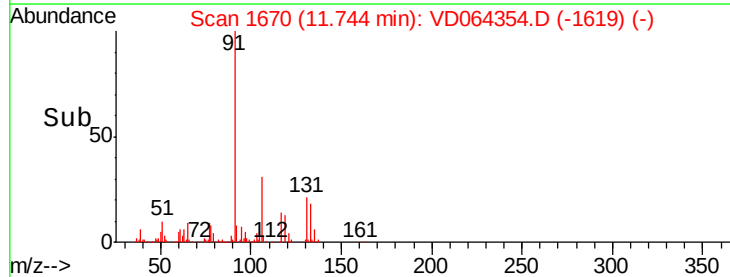
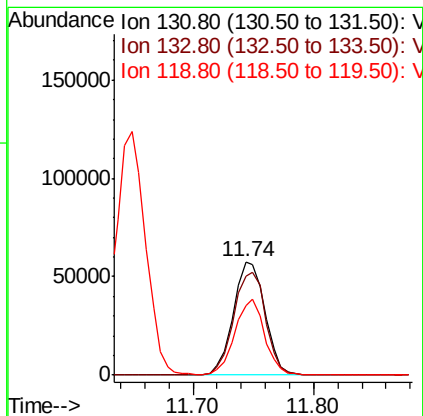
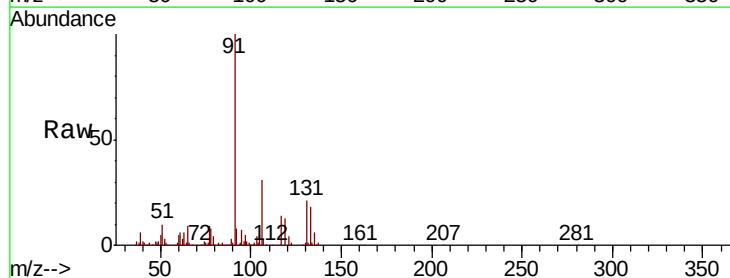
Instrument :
MSVOA_D
ClientSampleId :

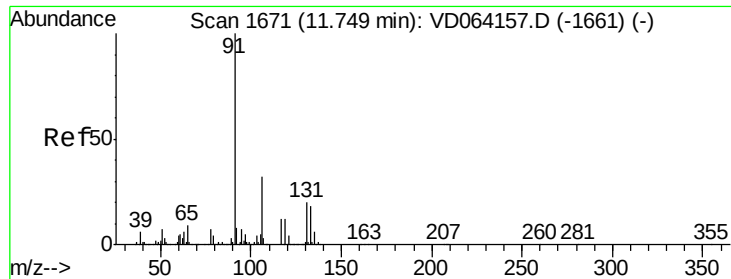
Tot Ion:112 Resp: 281216
Ion Ratio Lower Upper
112 100
114 29.1 25.2 37.8



#66
1,1,1,2-Tetrachloroethane
Concen: 20.580 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. -0.00 min
Lab File: VD064354.D
Acq: 25 Nov 2019 12:11

Tgt Ion:131 Resp: 105208
Ion Ratio Lower Upper
131 100
133 92.6 47.3 141.9
119 63.6 31.1 93.3





#67

Ethyl Benzene

Concen: 20.613 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. -0.00 min

Lab File: VD064354.D

Acq: 25 Nov 2019 12:11

Instrument :

MSVOA_D

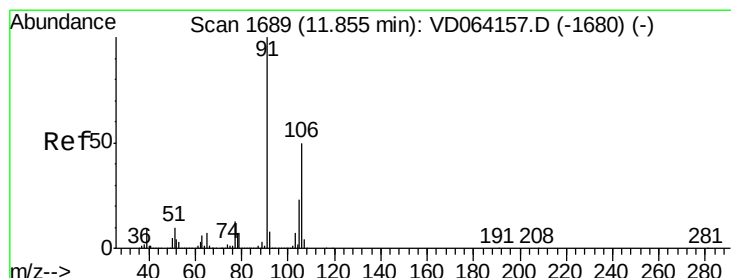
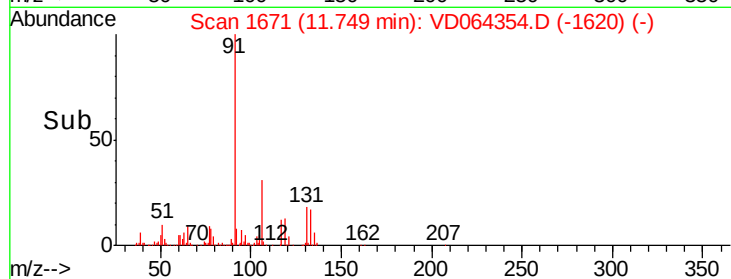
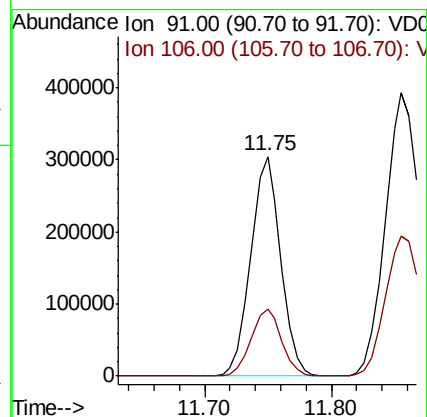
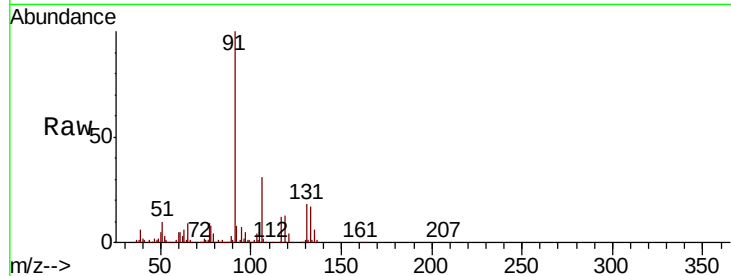
ClientSampleId :

Tot Ion: 91 Resp: 501260

Ion Ratio Lower Upper

91 100

106 30.5 25.5 38.3



#68

m/p-Xylenes

Concen: 40.799 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. -0.00 min

Lab File: VD064354.D

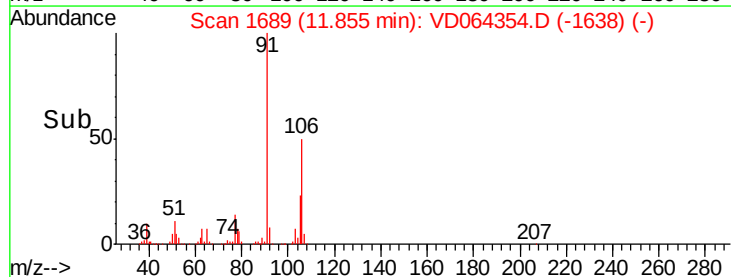
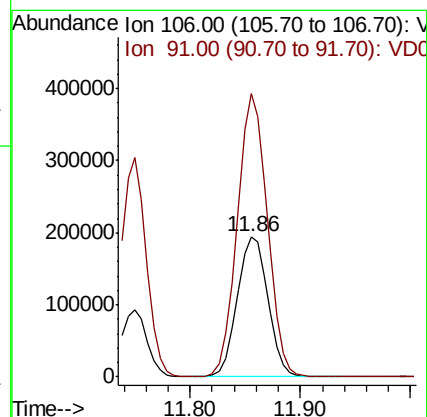
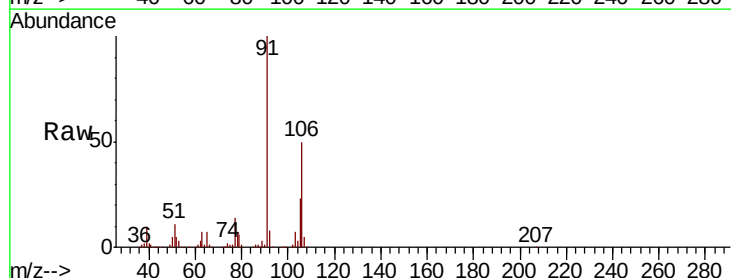
Acq: 25 Nov 2019 12:11

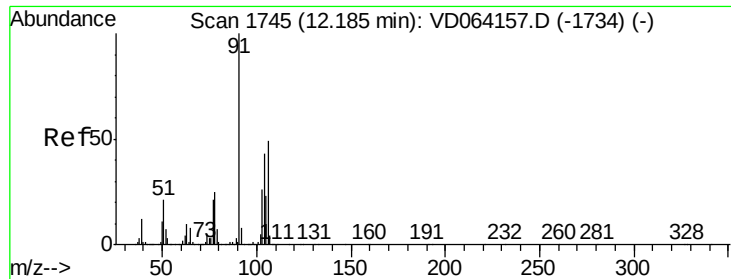
Tgt Ion: 106 Resp: 380297

Ion Ratio Lower Upper

106 100

91 198.1 160.3 240.5

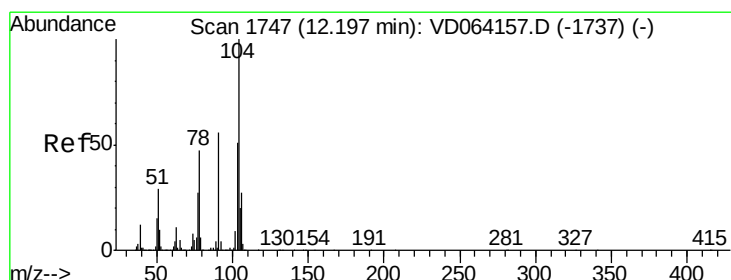
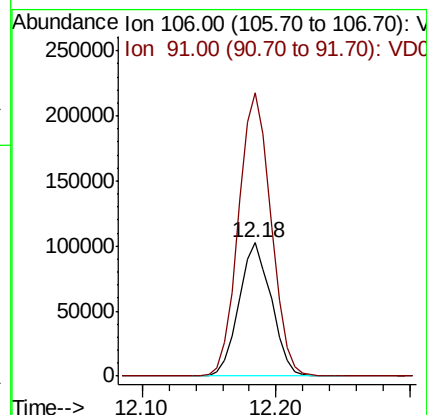
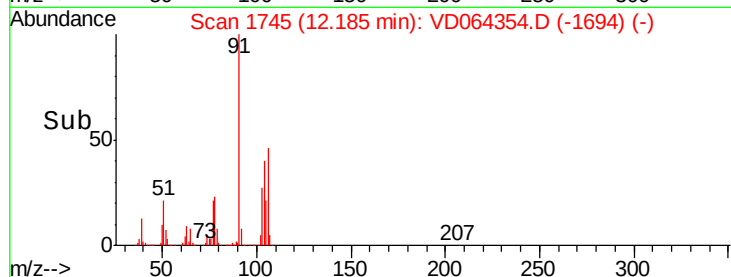
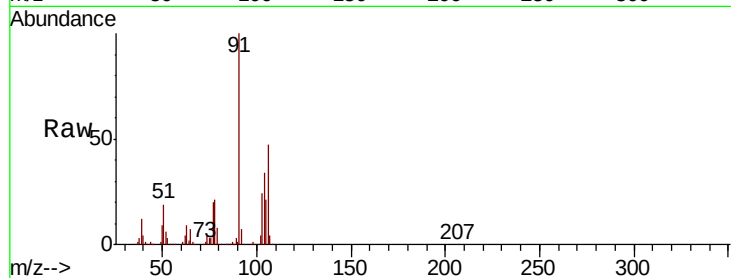




#69
o-Xylene
Concen: 19.891 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. -0.00 min
Lab File: VD064354.D
Acq: 25 Nov 2019 12:11

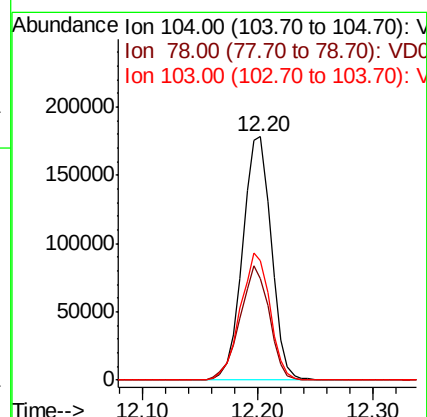
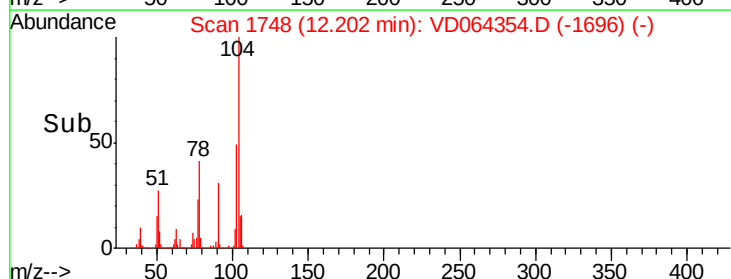
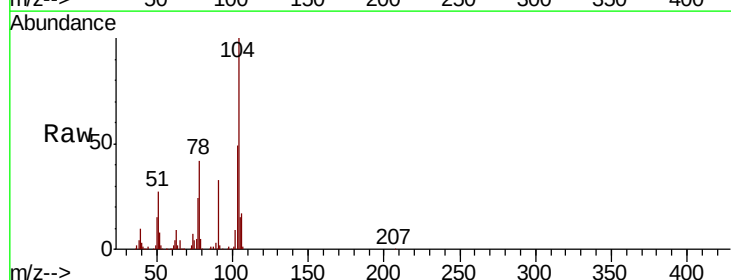
Instrument :
MSVOA_D
ClientSampleId :

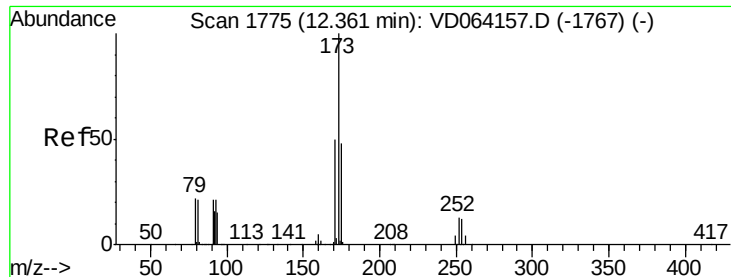
Tot Ion:106 Resp: 171952
Ion Ratio Lower Upper
106 100
91 214.0 105.1 315.3



#70
Styrene
Concen: 20.372 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. 0.01 min
Lab File: VD064354.D
Acq: 25 Nov 2019 12:11

Tgt Ion:104 Resp: 307414
Ion Ratio Lower Upper
104 100
78 47.9 39.9 59.9
103 54.2 43.4 65.0





#71

Bromoform

Concen: 21.006 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. 0.01 min

Lab File: VD064354.D

Acq: 25 Nov 2019 12:11

Instrument :

MSVOA_D

ClientSampleId :

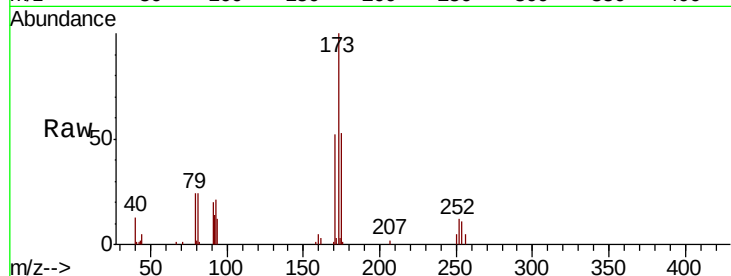
Tot Ion:173 Resp: 61113

Ion	Ratio	Lower	Upper
173	100		
175	47.5	24.1	72.3
254	0.2	0.2	0.2

173 100

175 47.5 24.1 72.3

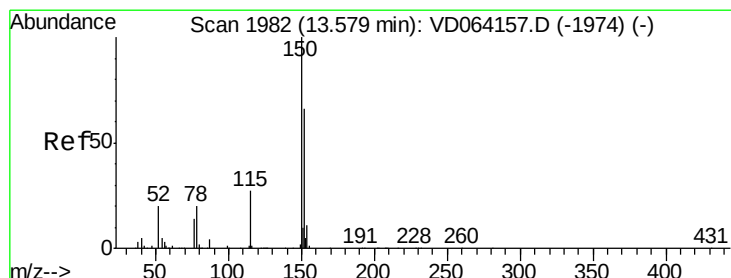
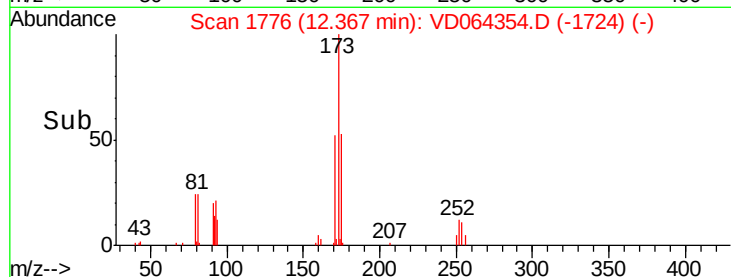
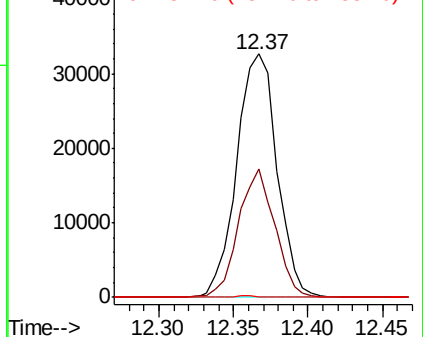
254 0.2 0.2 0.2



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1983

Delta R.T. 0.01 min

Lab File: VD064354.D

Acq: 25 Nov 2019 12:11

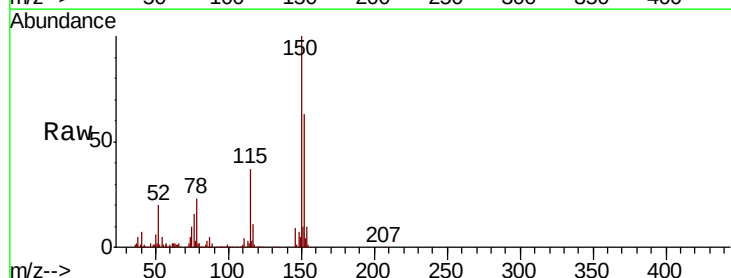
Tgt Ion:152 Resp: 323047

Ion	Ratio	Lower	Upper
152	100		
115	54.7	27.4	82.2
150	163.6	0.0	351.6

152 100

115 54.7 27.4 82.2

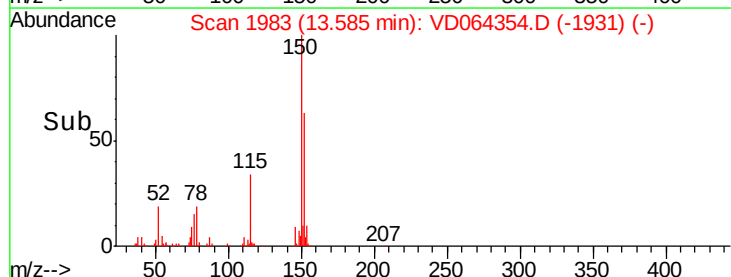
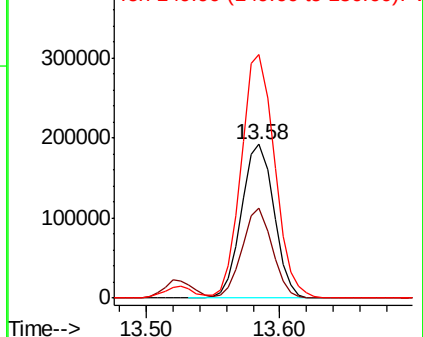
150 163.6 0.0 351.6

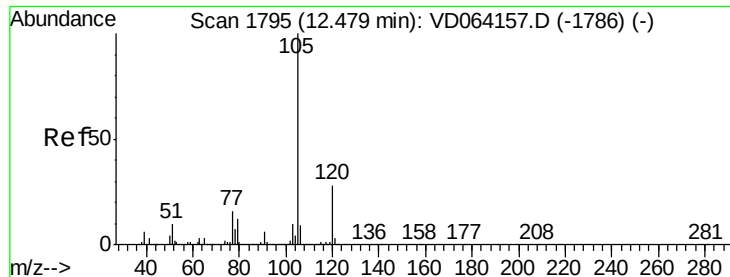


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.484 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.01 min

Lab File: VD064354.D

Acq: 25 Nov 2019 12:11

Instrument :

MSVOA_D

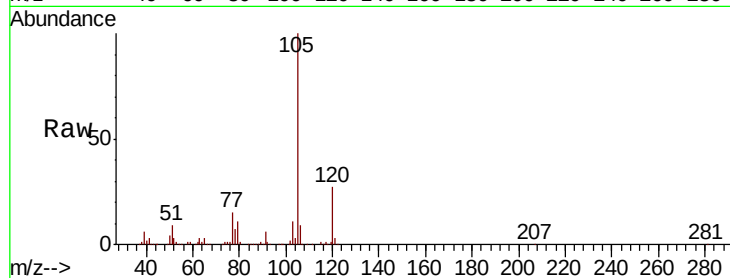
ClientSampleId :

Tot Ion:105 Resp: 485701

Ion Ratio Lower Upper

105 100

120 27.0 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

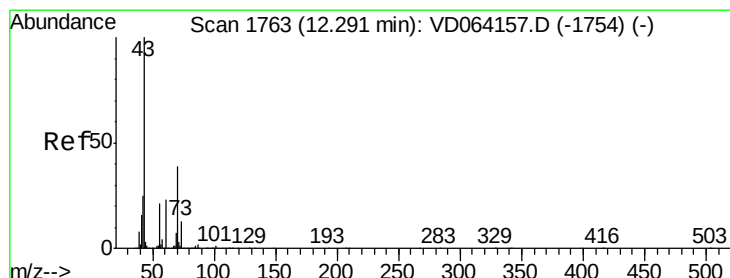
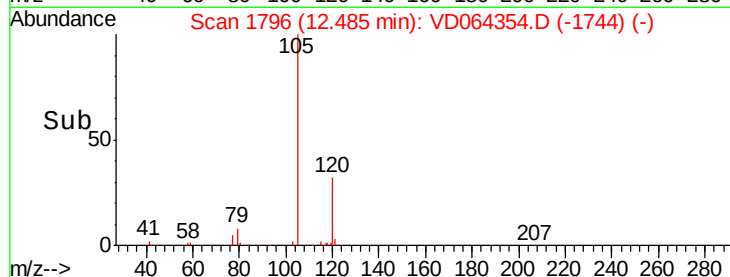
300000

200000

100000

0

Time-->



#74

N-ethyl acetate

Concen: 19.159 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. -0.00 min

Lab File: VD064354.D

Acq: 25 Nov 2019 12:11

Tgt Ion: 43 Resp: 107278

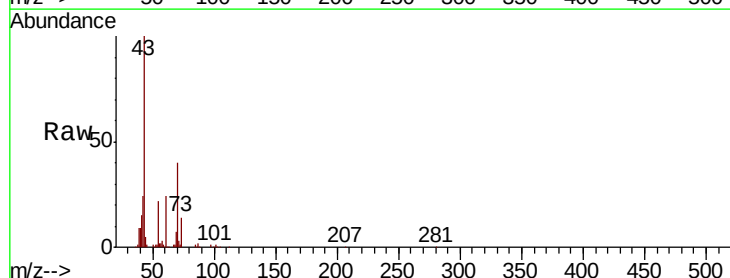
Ion Ratio Lower Upper

43 100

70 40.6 32.4 48.6

55 22.7 17.9 26.9

61 23.7 19.0 28.4



Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

100000

80000

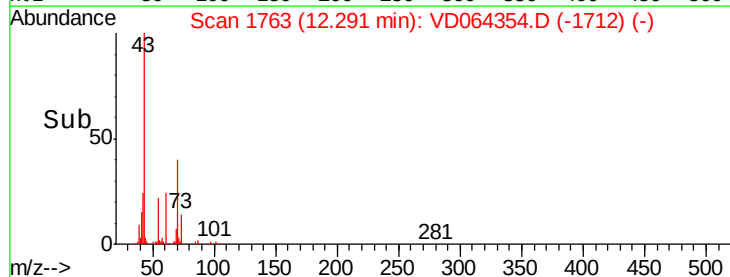
60000

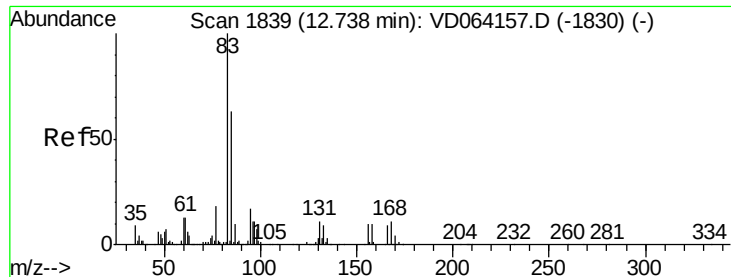
40000

20000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 21.263 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. -0.00 min

Lab File: VD064354.D

Acq: 25 Nov 2019 12:11

Instrument :

MSVOA_D

ClientSampleId :

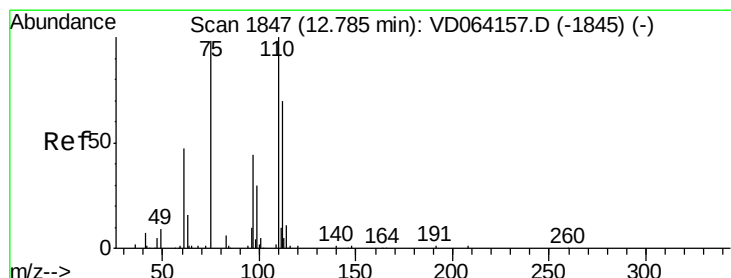
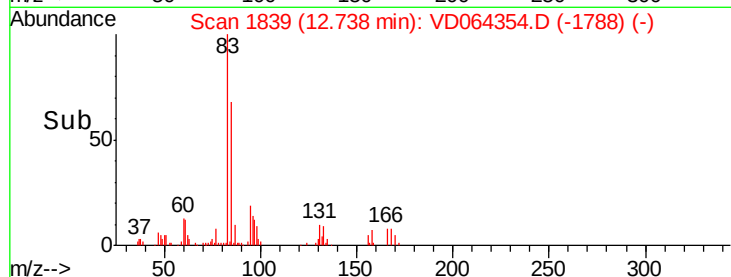
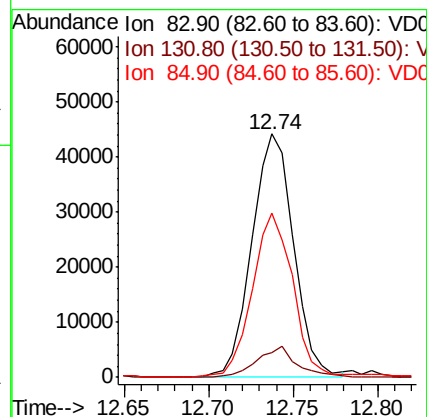
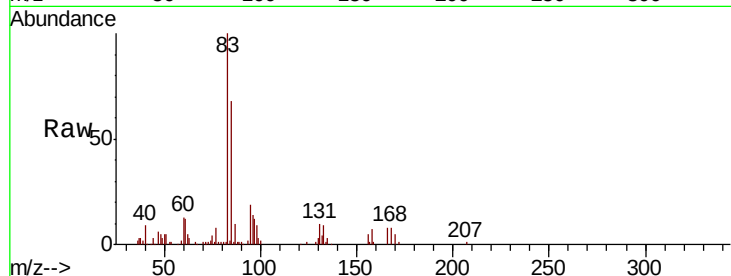
Tot Ion: 83 Resp: 75972

Ion	Ratio	Lower	Upper
83	100		
131	12.1	5.9	17.7
85	65.3	32.5	97.5

83 100

131 12.1 5.9 17.7

85 65.3 32.5 97.5



#76

1,2,3-Trichloropropane

Concen: 38.312 ug/l

RT: 12.79 min Scan# 1848

Delta R.T. 0.01 min

Lab File: VD064354.D

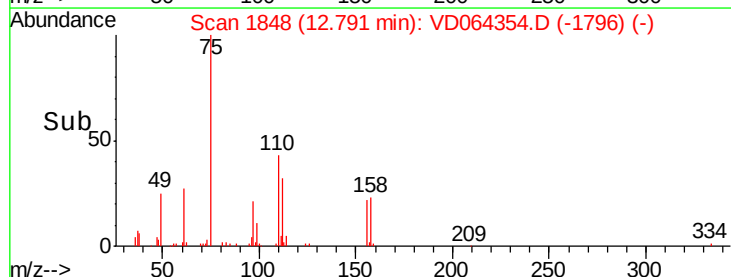
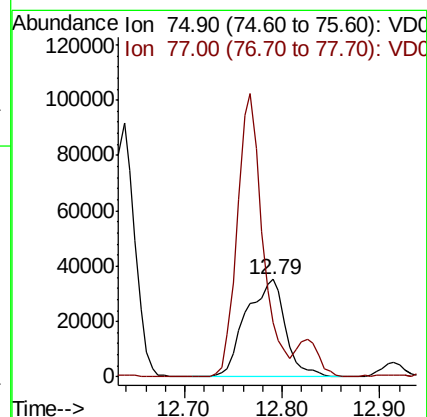
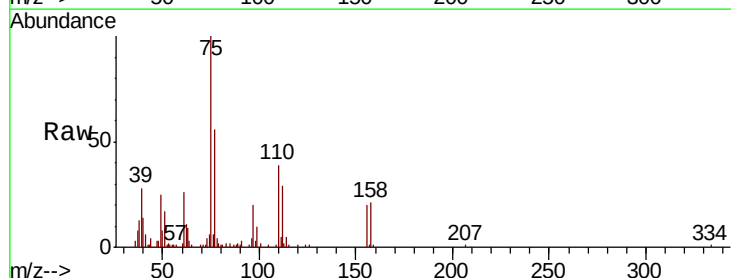
Acq: 25 Nov 2019 12:11

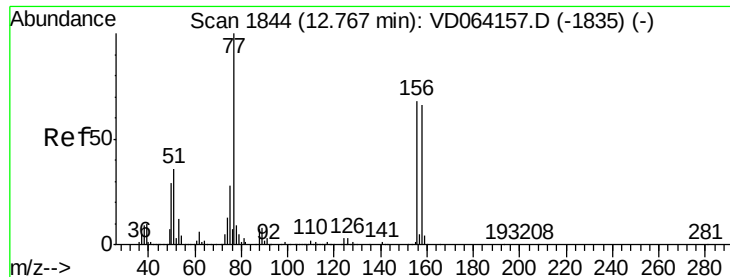
Tgt Ion: 75 Resp: 99690

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 20.370 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. -0.00 min

Lab File: VD064354.D

Acq: 25 Nov 2019 12:11

Instrument :

MSVOA_D

ClientSampled :

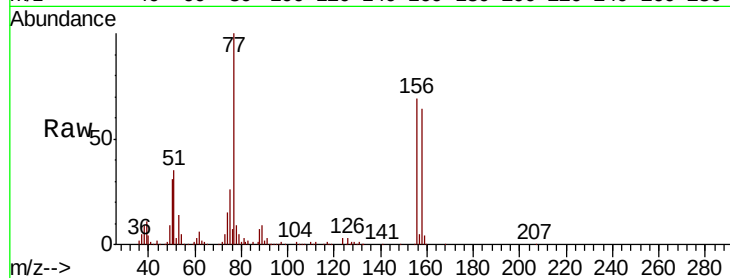
Tot Ion:156 Resp: 117345

Ion Ratio Lower Upper

156 100

77 159.5 81.2 243.4

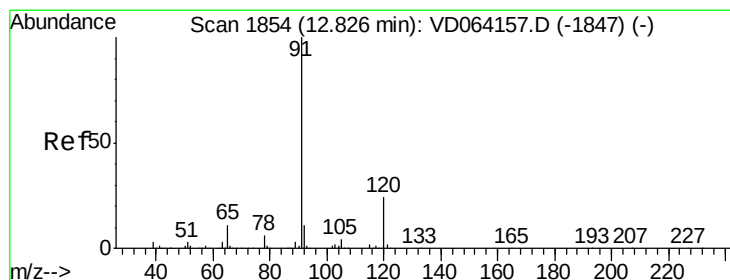
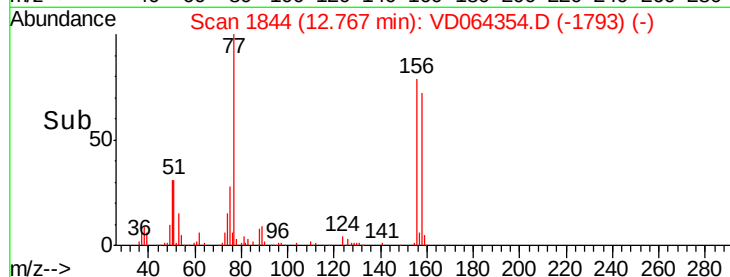
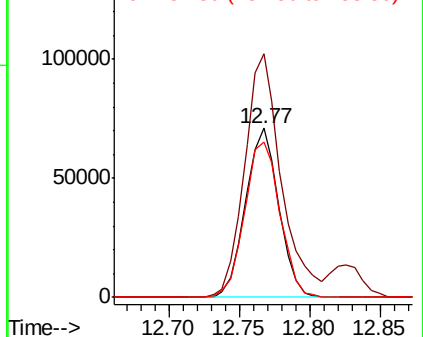
158 97.8 48.4 145.2



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): V

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.548 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. -0.00 min

Lab File: VD064354.D

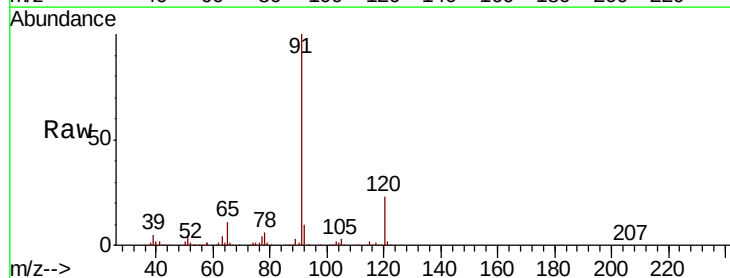
Acq: 25 Nov 2019 12:11

Tgt Ion: 91 Resp: 556662

Ion Ratio Lower Upper

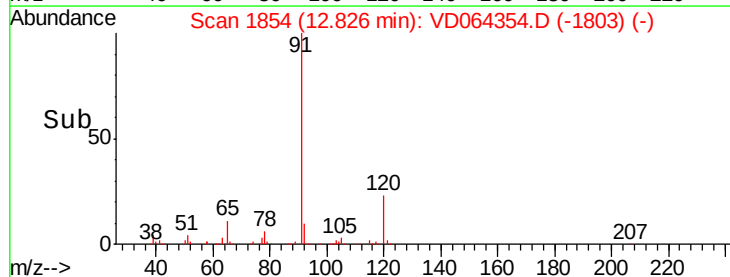
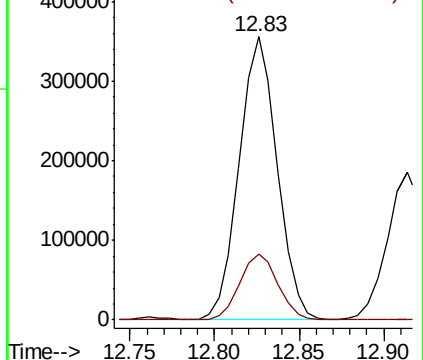
91 100

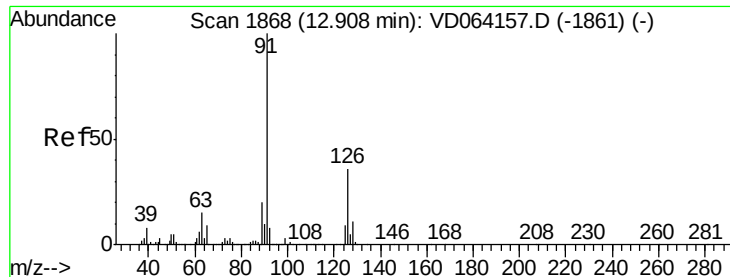
120 23.6 11.8 35.4



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.654 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.01 min

Lab File: VD064354.D

Acq: 25 Nov 2019 12:11

Instrument :

MSVOA_D

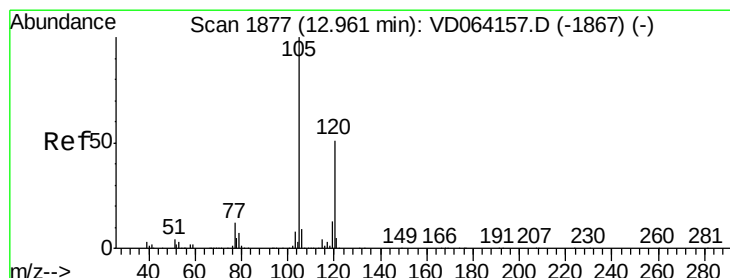
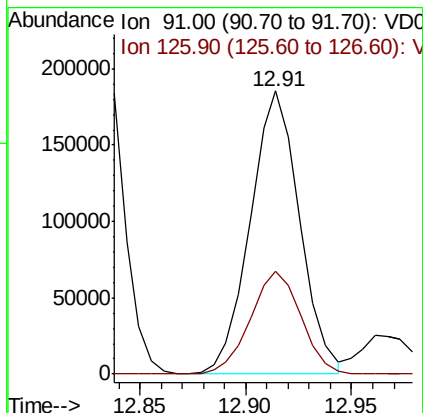
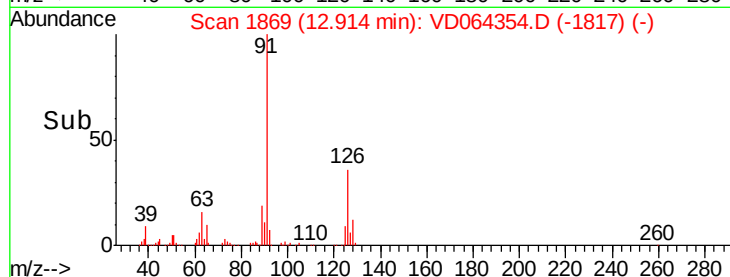
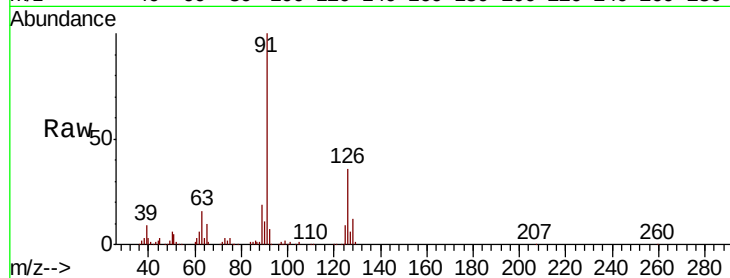
ClientSampleId :

Tot Ion: 91 Resp: 300603

Ion Ratio Lower Upper

91 100

126 37.3 17.7 53.1



#80

1,3,5-Trimethylbenzene

Concen: 20.074 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.01 min

Lab File: VD064354.D

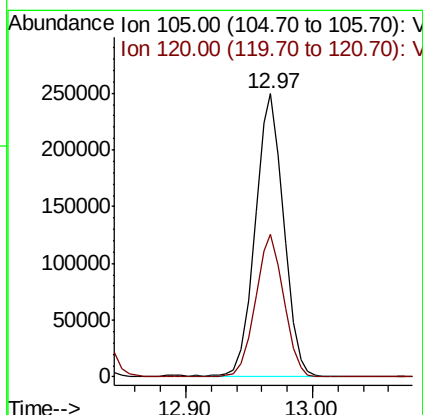
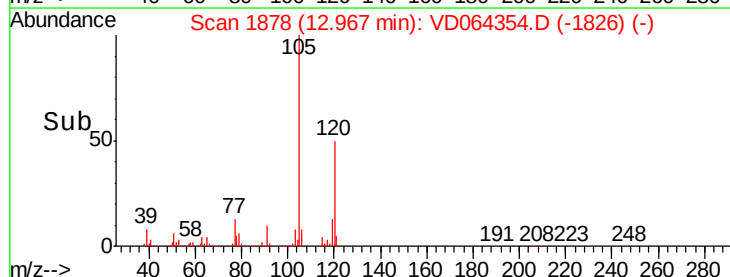
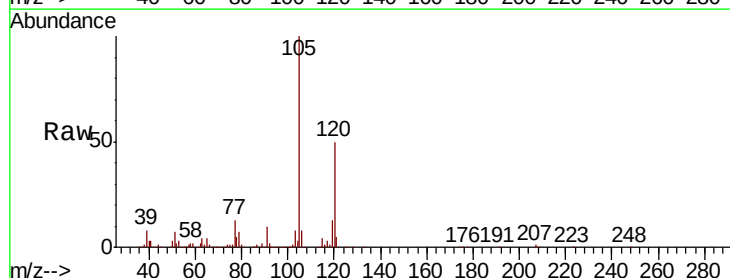
Acq: 25 Nov 2019 12:11

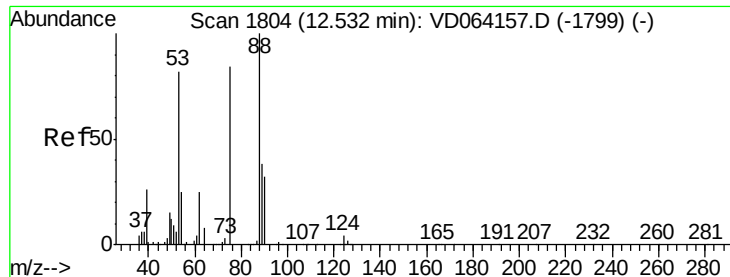
Tgt Ion:105 Resp: 391113

Ion Ratio Lower Upper

105 100

120 50.2 25.4 76.4





#81

trans-1,4-Dichloro-2-butene

Concen: 18.770 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. -0.00 min

Lab File: VD064354.D

Acq: 25 Nov 2019 12:11

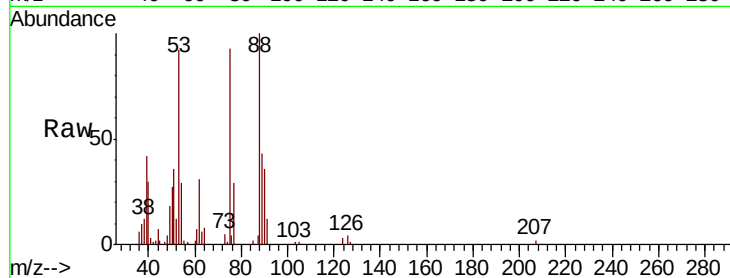
Instrument :

MSVOA_D

ClientSampled :

Tot Ion: 75 Resp: 24587

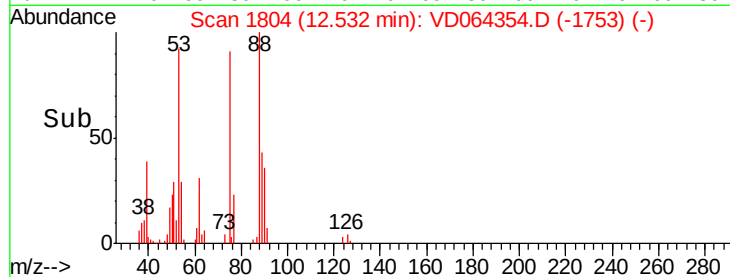
Ion	Ratio	Lower	Upper
75	100		
53	102.4	79.4	119.0
89	48.7	36.6	55.0



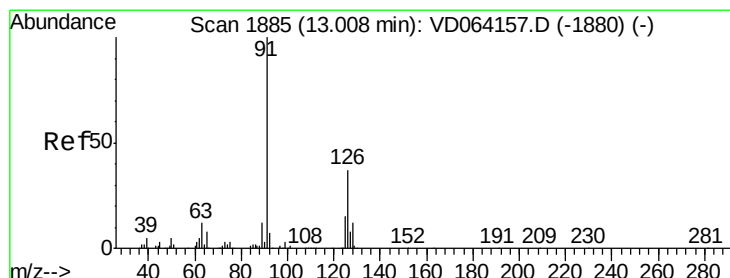
Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 88.90 (88.60 to 89.60): VDC



Time-->



#82

4-Chlorotoluene

Concen: 19.798 ug/l

RT: 13.01 min Scan# 1886

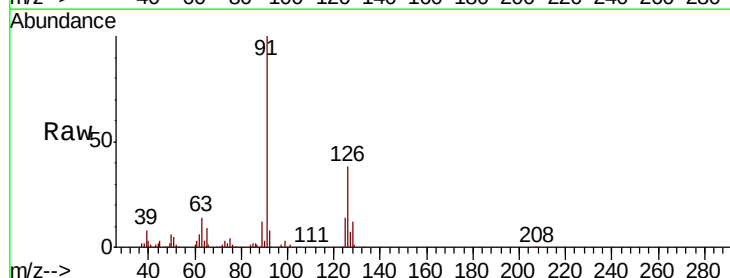
Delta R.T. 0.01 min

Lab File: VD064354.D

Acq: 25 Nov 2019 12:11

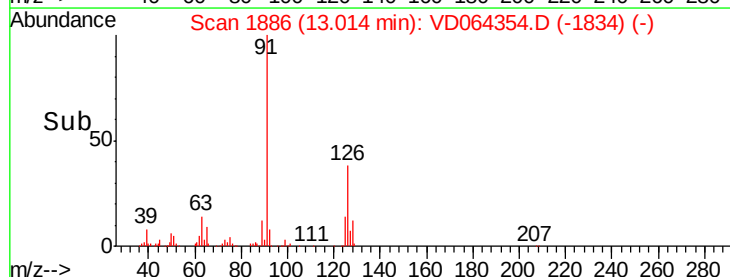
Tgt Ion: 91 Resp: 315835

Ion	Ratio	Lower	Upper
91	100		
126	36.8	17.8	53.4

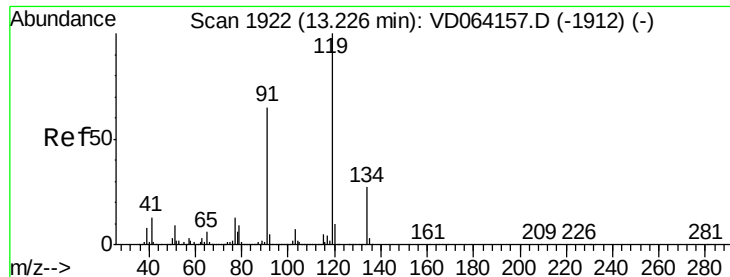


Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.90 (125.60 to 126.60): V



Time-->



#83

tert-Butylbenzene

Concen: 20.022 ug/l

RT: 13.23 min Scan# 1923

Delta R.T. 0.01 min

Lab File: VD064354.D

Acq: 25 Nov 2019 12:11

Instrument :

MSVOA_D

ClientSampleId :

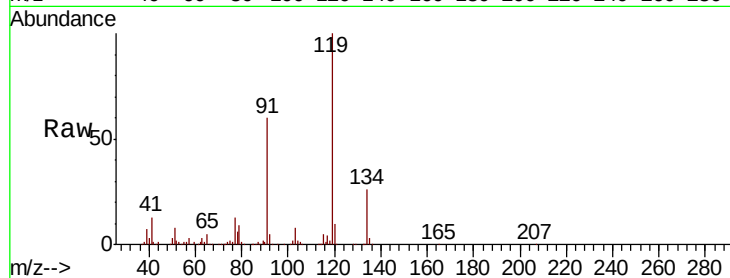
Tot Ion:119 Resp: 343992

Ion Ratio Lower Upper

119 100

91 60.7 31.8 95.4

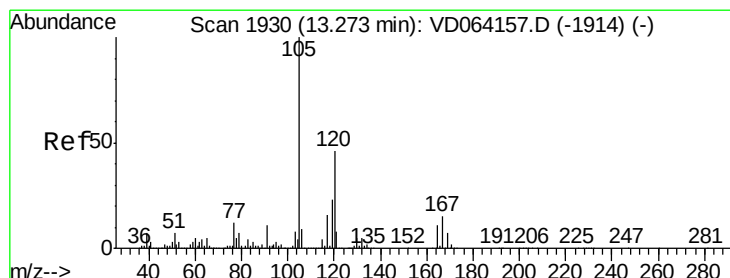
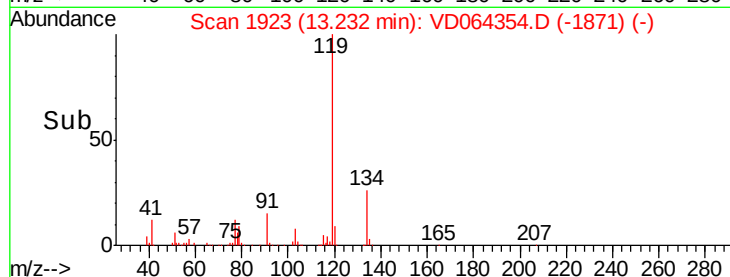
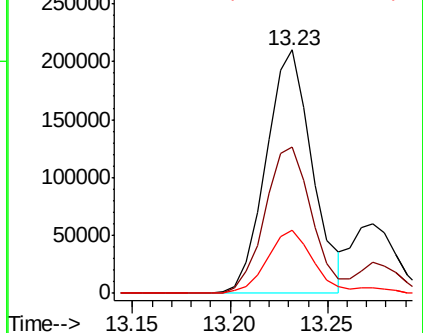
134 27.5 13.7 41.0



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 20.191 ug/l

RT: 13.27 min Scan# 1930

Delta R.T. -0.00 min

Lab File: VD064354.D

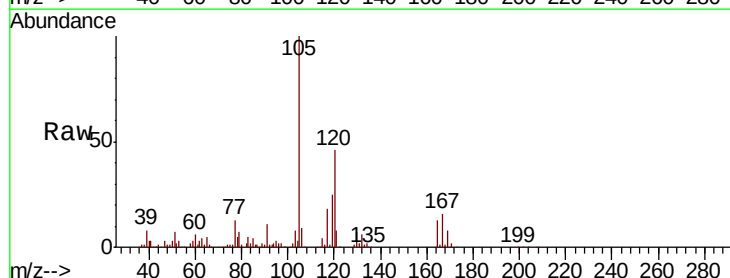
Acq: 25 Nov 2019 12:11

Tgt Ion:105 Resp: 388389

Ion Ratio Lower Upper

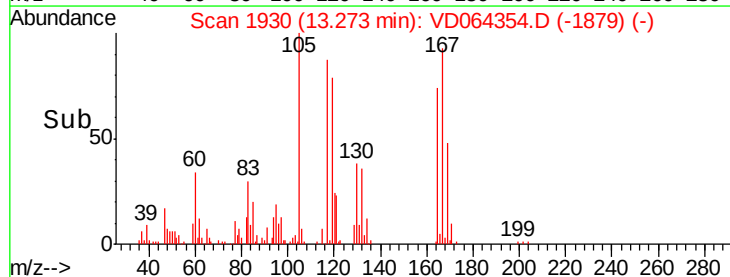
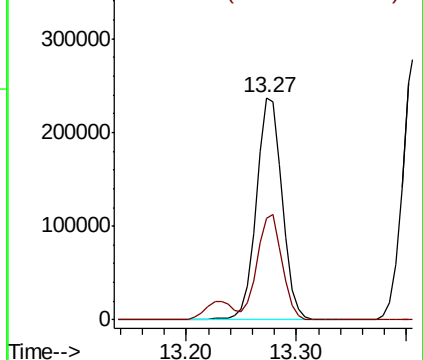
105 100

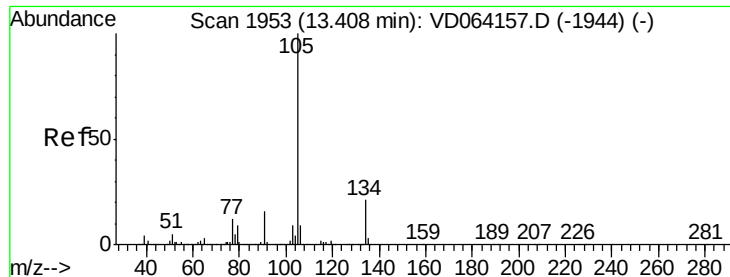
120 45.7 23.3 69.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 20.425 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. -0.00 min

Lab File: VD064354.D

Acq: 25 Nov 2019 12:11

Instrument :

MSVOA_D

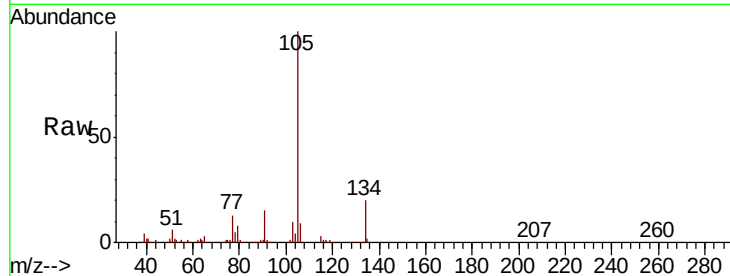
ClientSampleId :

Tot Ion:105 Resp: 471294

Ion Ratio Lower Upper

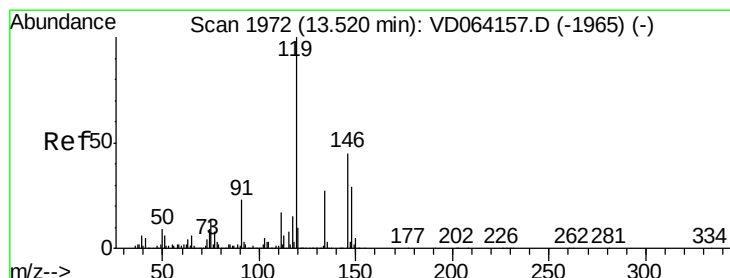
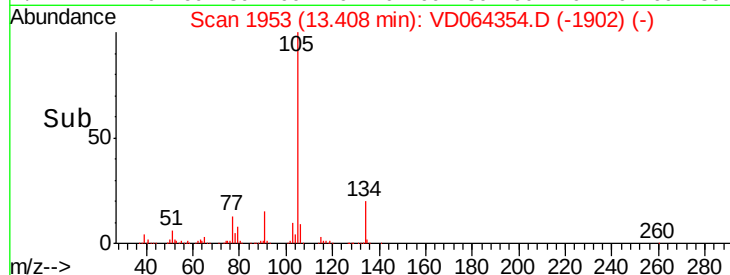
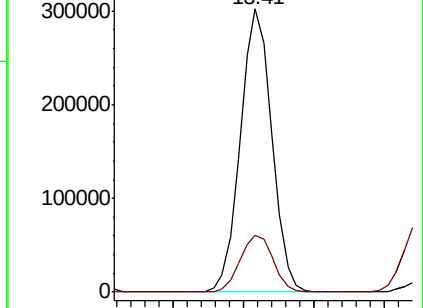
105 100

134 21.2 10.7 31.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 19.880 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. 0.01 min

Lab File: VD064354.D

Acq: 25 Nov 2019 12:11

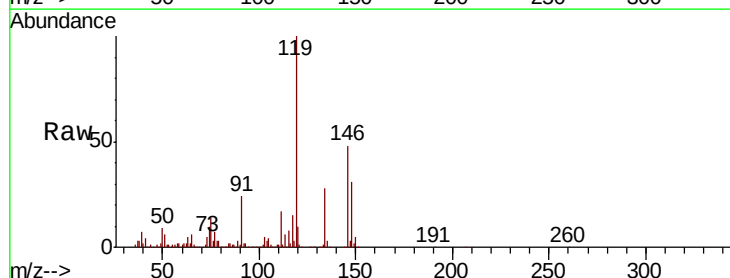
Tgt Ion:119 Resp: 436107

Ion Ratio Lower Upper

119 100

134 26.4 13.5 40.5

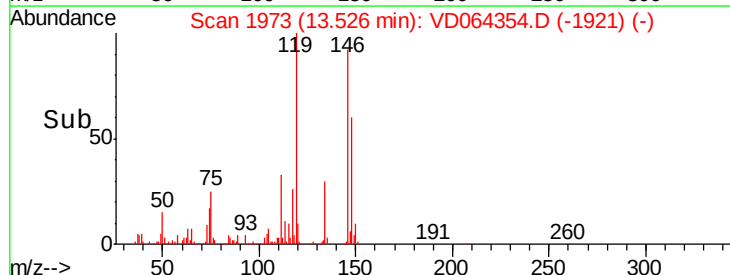
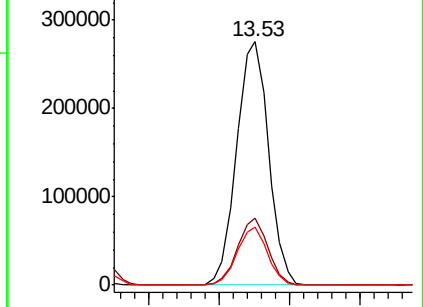
91 22.7 11.5 34.4

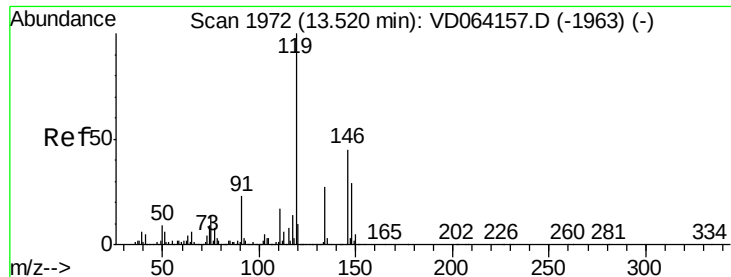


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

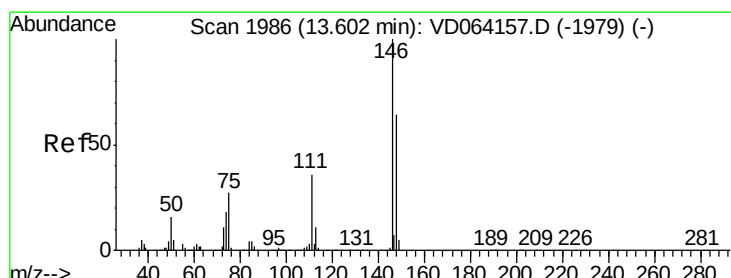
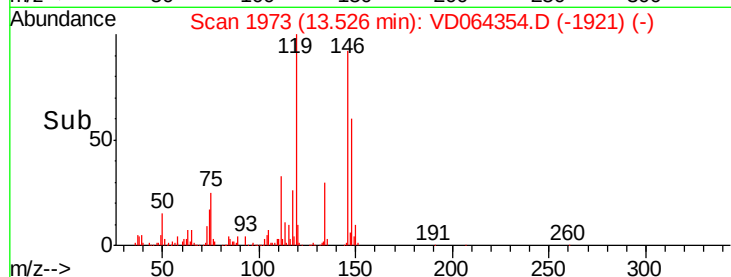
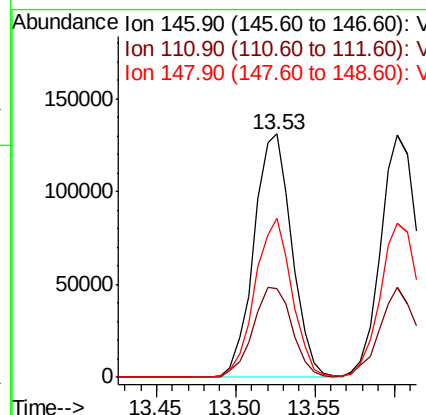
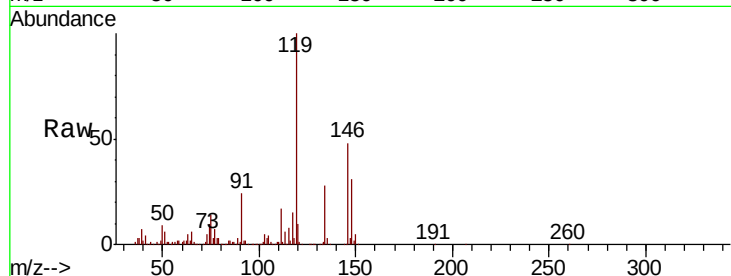




#87
 1,3-Dichlorobenzene
 Concen: 20.366 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.01 min
 Lab File: VD064354.D
 Acq: 25 Nov 2019 12:11

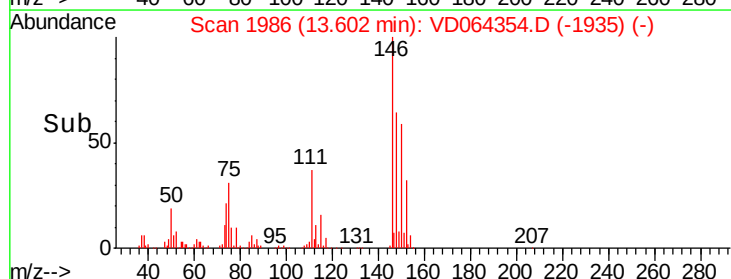
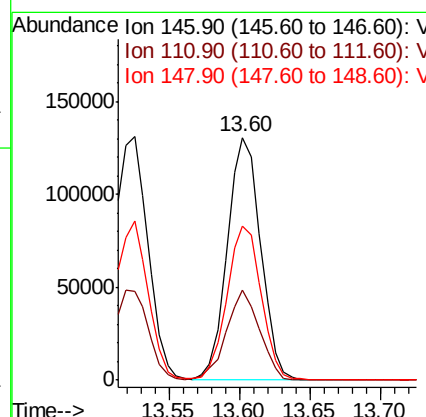
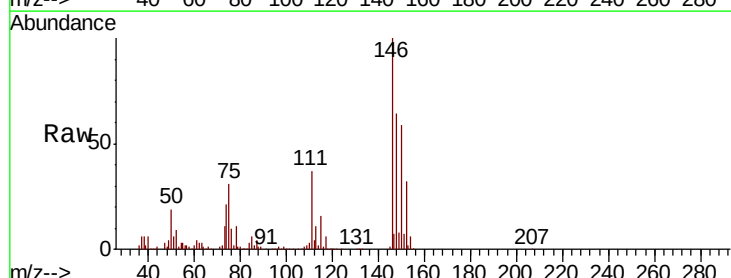
Instrument :
 MSVOA_D
 ClientSampleId :

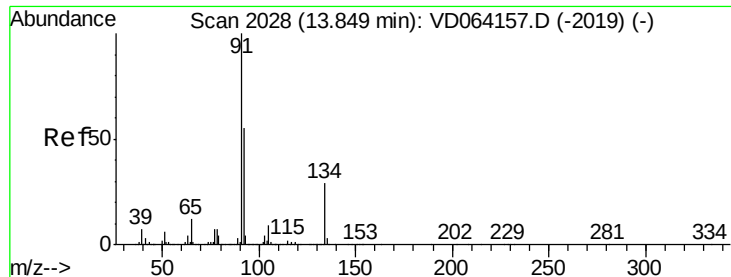
Tot Ion:146 Resp: 217776
 Ion Ratio Lower Upper
 146 100
 111 38.5 18.9 56.9
 148 63.8 32.1 96.5



#88
 1,4-Dichlorobenzene
 Concen: 20.565 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. -0.00 min
 Lab File: VD064354.D
 Acq: 25 Nov 2019 12:11

Tgt Ion:146 Resp: 214631
 Ion Ratio Lower Upper
 146 100
 111 37.1 18.1 54.4
 148 65.3 31.9 95.7

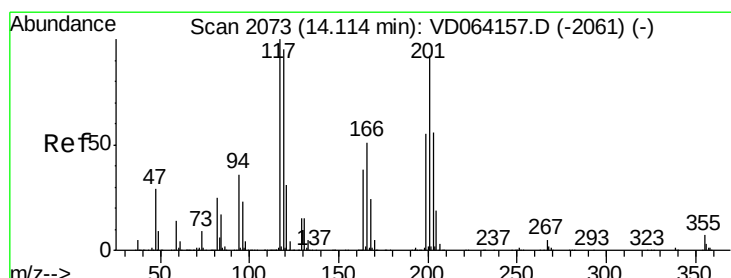
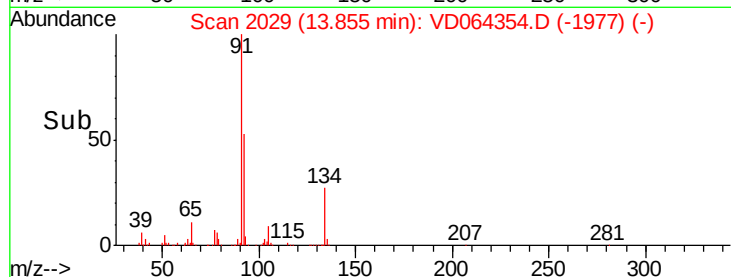
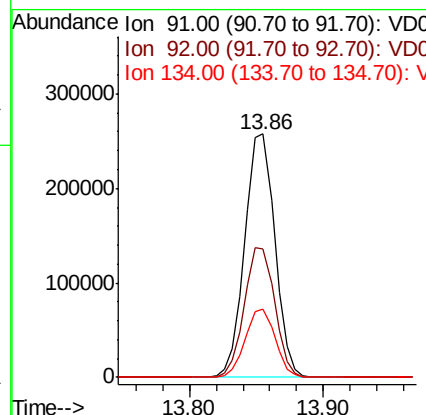
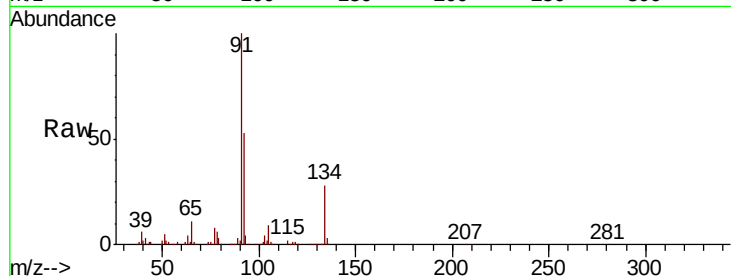




#89
n-Butylbenzene
Concen: 20.274 ug/l
RT: 13.86 min Scan# 2029
Delta R.T. 0.01 min
Lab File: VD064354.D
Acq: 25 Nov 2019 12:11

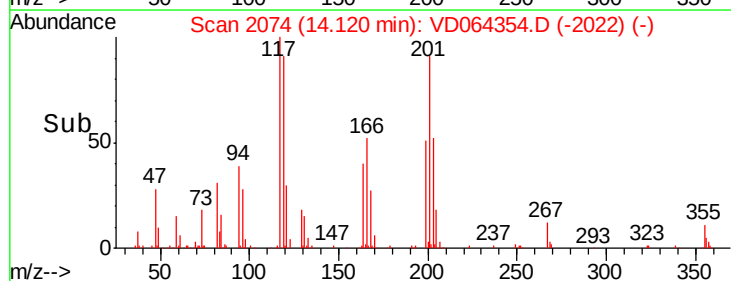
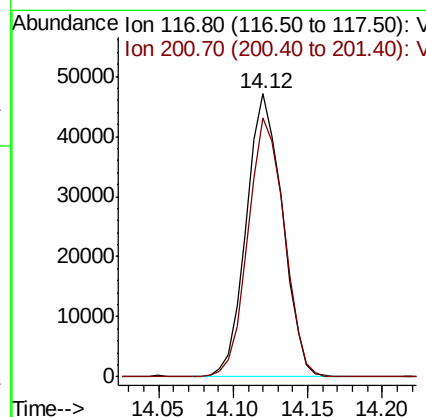
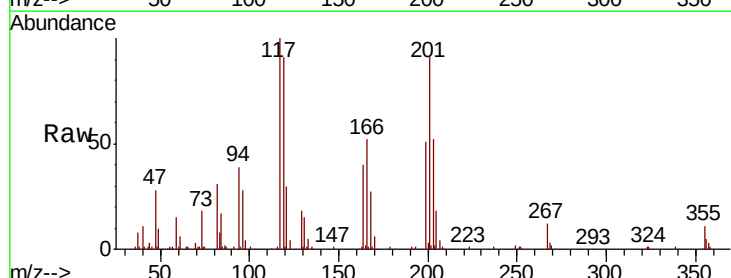
Instrument :
MSVOA_D
ClientSampleId :

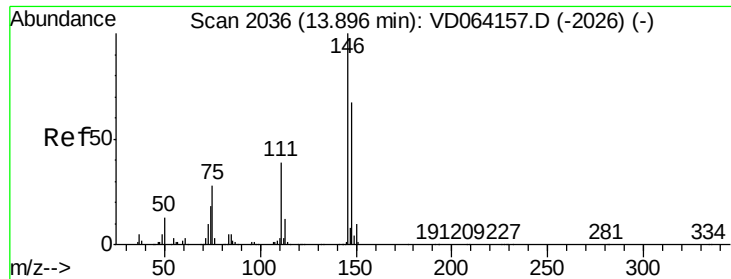
Tot Ion: 91 Resp: 401812
Ion Ratio Lower Upper
91 100
92 54.1 27.3 81.8
134 27.7 14.1 42.4



#90
Hexachloroethane
Concen: 19.456 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.01 min
Lab File: VD064354.D
Acq: 25 Nov 2019 12:11

Tgt Ion: 117 Resp: 78879
Ion Ratio Lower Upper
117 100
201 91.6 45.8 137.4

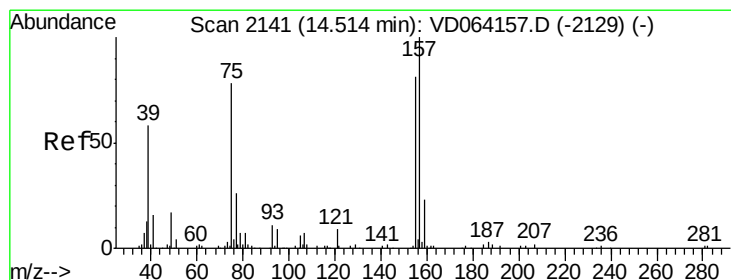
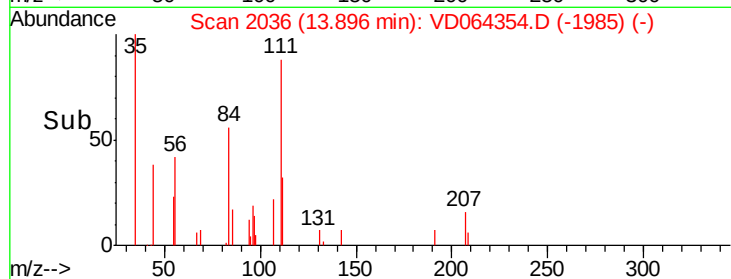
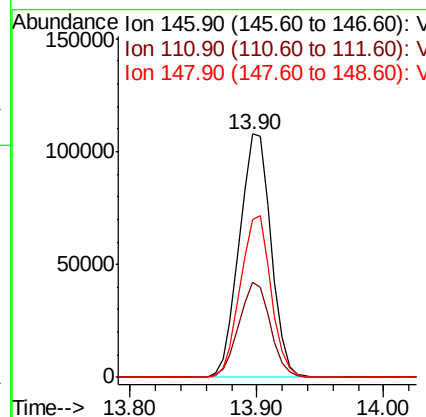
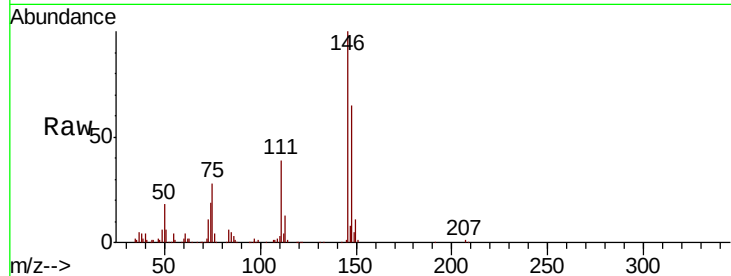




#91
 1,2-Dichlorobenzene
 Concen: 20.597 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. -0.00 min
 Lab File: VD064354.D
 Acq: 25 Nov 2019 12:11

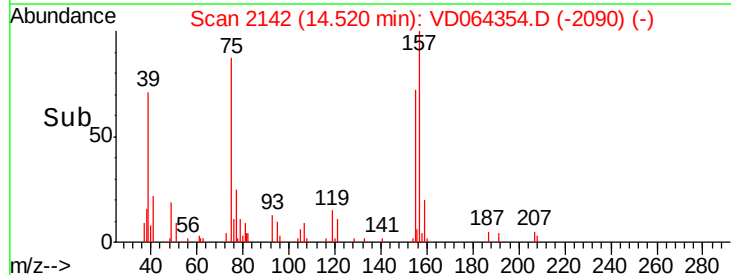
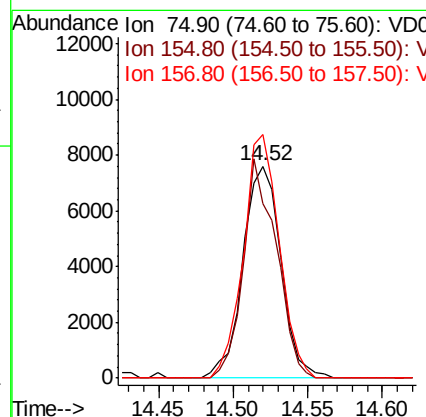
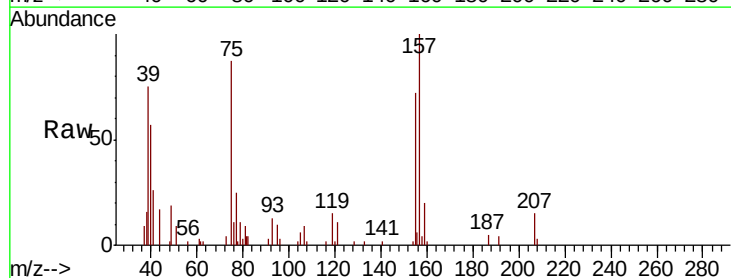
Instrument :
 MSVOA_D
 ClientSampleId :

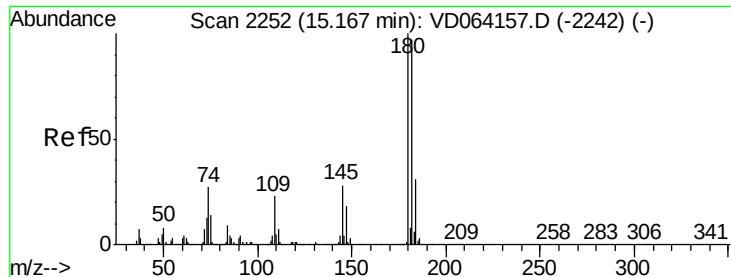
Tot Ion	Ratio	Lower	Upper
146	100		
111	38.8	19.7	59.0
148	64.5	32.3	96.8



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.039 ug/l
 RT: 14.52 min Scan# 2142
 Delta R.T. 0.01 min
 Lab File: VD064354.D
 Acq: 25 Nov 2019 12:11

Tgt Ion	Ratio	Lower	Upper
75	100		
155	89.6	48.0	144.0
157	107.8	61.5	184.4

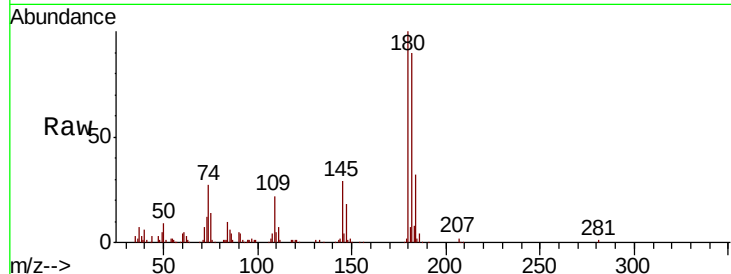




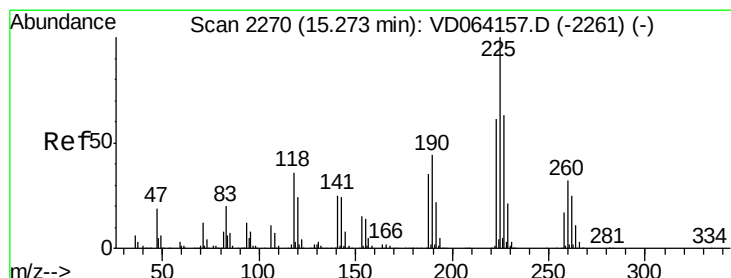
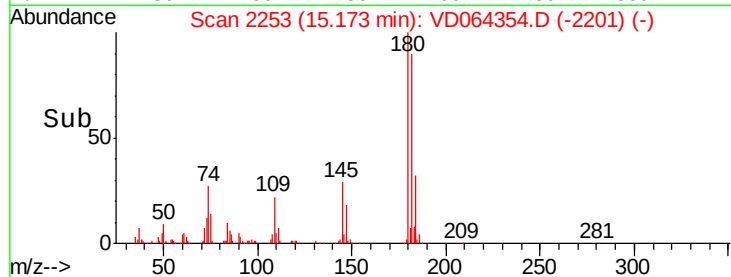
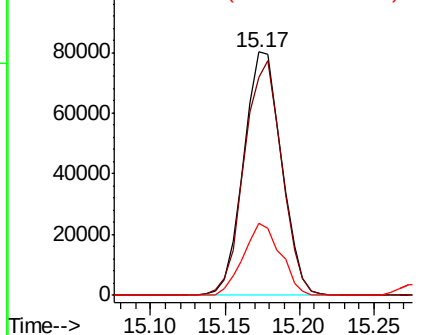
#93
 1,2,4-Trichlorobenzene
 Concen: 20.153 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. 0.01 min
 Lab File: VD064354.D
 Acq: 25 Nov 2019 12:11

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.6	47.5	142.5
145	29.0	14.2	42.6

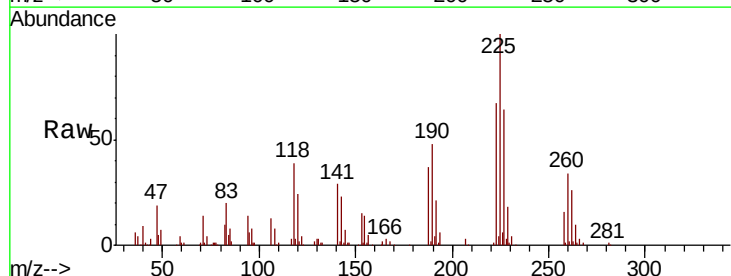


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

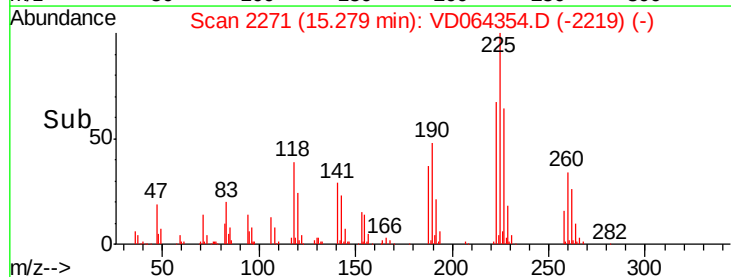
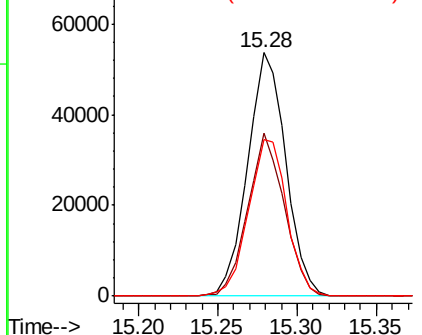


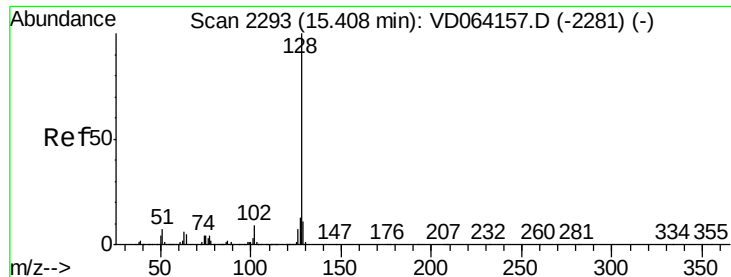
#94
 Hexachlorobutadiene
 Concen: 19.960 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.01 min
 Lab File: VD064354.D
 Acq: 25 Nov 2019 12:11

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.9	31.1	93.3
227	64.8	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: 20.277 ug/l

RT: 15.41 min Scan# 2294

Delta R.T. 0.01 min

Lab File: VD064354.D

Acq: 25 Nov 2019 12:11

Instrument :

MSVOA_D

ClientSampleId :

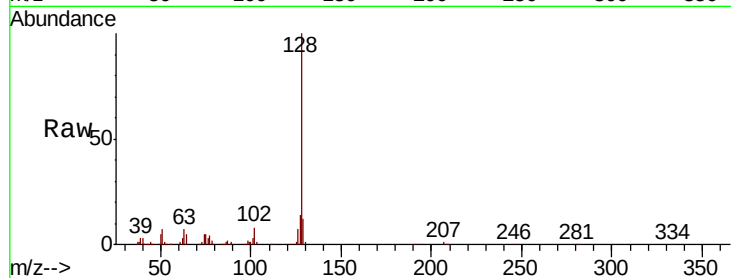
Tot Ion:128 Resp: 232069

Ion Ratio Lower Upper

128 100

127 13.1 10.5 15.7

129 11.0 8.6 13.0

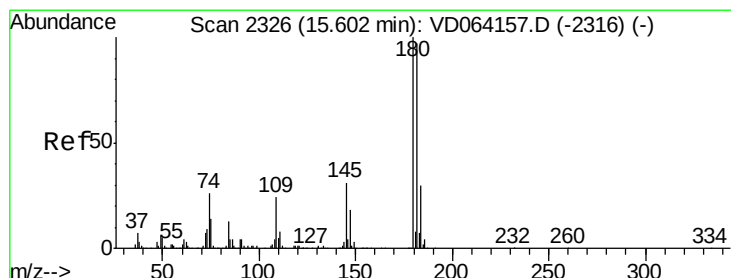
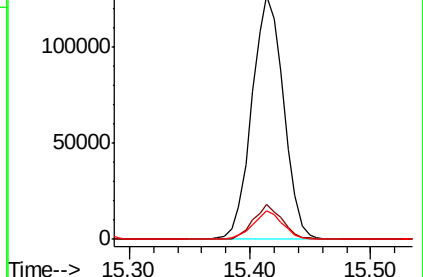
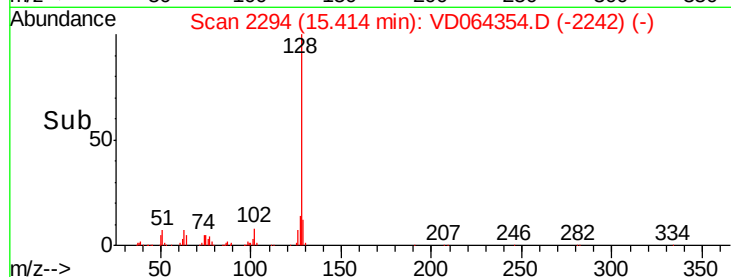


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

15.41



#96

1,2,3-Trichlorobenzene

Concen: 20.422 ug/l

RT: 15.61 min Scan# 2327

Delta R.T. 0.01 min

Lab File: VD064354.D

Acq: 25 Nov 2019 12:11

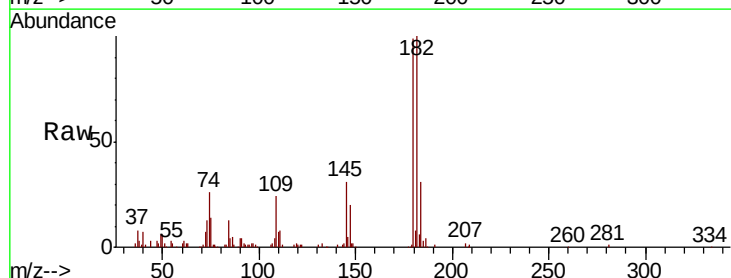
Tgt Ion:180 Resp: 121200

Ion Ratio Lower Upper

180 100

182 96.4 48.3 144.9

145 29.5 15.3 45.8



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

15.61

