

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD122619\
 Data File : VD064592.D
 Acq On : 26 Dec 2019 11:48
 Operator : VA/SY
 Sample : VD1226SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Dec 27 01:38:28 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D122419S.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 24 13:19:06 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	453635	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	659662	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	581141	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	287430	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	204038	51.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.02%	
35) Dibromofluoromethane	7.92	113	205151	50.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.38%	
50) Toluene-d8	10.34	98	790894	51.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.06%	
62) 4-Bromofluorobenzene	12.64	95	245571	50.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.20%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	74991	21.272	ug/l	99
3) Chloromethane	2.21	50	105628	21.423	ug/l	97
4) Vinyl Chloride	2.35	62	123498	20.543	ug/l	99
5) Bromomethane	2.76	94	90821	20.778	ug/l	97
6) Chloroethane	2.92	64	83242	20.665	ug/l	95
7) Trichlorofluoromethane	3.27	101	217001	21.438	ug/l	97
8) Diethyl Ether	3.71	74	42482	21.135	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.09	101	88656	21.149	ug/l	98
10) Methyl Iodide	4.30	142	92242	20.485	ug/l	98
11) Tert butyl alcohol	5.25	59	25828	112.664	ug/l	100
12) 1,1-Dichloroethene	4.06	96	83085	20.818	ug/l	96
13) Acrolein	3.92	56	30466	95.358	ug/l	98
14) Allyl chloride	4.71	41	130235	20.930	ug/l	98
15) Acrylonitrile	5.43	53	88802	106.064	ug/l	100
16) Acetone	4.17	43	83850	95.160	ug/l #	87
17) Carbon Disulfide	4.40	76	272424	21.110	ug/l	99
18) Methyl Acetate	4.73	43	48151	21.381	ug/l	98
19) Methyl tert-butyl Ether	5.49	73	187214	21.119	ug/l	100
20) Methylene Chloride	4.96	84	98197	21.187	ug/l	95
21) trans-1,2-Dichloroethene	5.47	96	97681	21.491	ug/l	96
22) Diisopropyl ether	6.37	45	266663	21.486	ug/l	96
23) Vinyl Acetate	6.31	43	754232	107.128	ug/l	98
24) 1,1-Dichloroethane	6.27	63	159383	21.391	ug/l	96
25) 2-Butanone	7.23	43	113817	103.514	ug/l	99
26) 2,2-Dichloropropane	7.21	77	147197	21.248	ug/l	100
27) cis-1,2-Dichloroethene	7.22	96	104241	21.251	ug/l	98
28) Bromochloromethane	7.55	49	54032	18.655	ug/l	98
29) Tetrahydrofuran	7.57	42	75144	109.896	ug/l	95
30) Chloroform	7.71	83	161346	20.640	ug/l	95
31) Cyclohexane	7.98	56	156751	21.017	ug/l #	95
32) 1,1,1-Trichloroethane	7.91	97	153039	20.843	ug/l	99
36) 1,1-Dichloropropene	8.11	75	129847	20.451	ug/l	97
37) Ethyl Acetate	7.30	43	53560	21.473	ug/l	97
38) Carbon Tetrachloride	8.10	117	143355	21.175	ug/l	98

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	162876	21.180	ug/l	98
40) Benzene	8.36	78	361520	20.858	ug/l	99
41) Methacrylonitrile	7.53	41	26048	17.999	ug/l #	82
42) 1,2-Dichloroethane	8.43	62	107505	21.464	ug/l	99
43) Isopropyl Acetate	8.46	43	104996	21.149	ug/l	100
44) Trichloroethene	9.11	130	107150	21.044	ug/l	96
45) 1,2-Dichloropropane	9.38	63	86663	20.941	ug/l	100
46) Dibromomethane	9.48	93	46914	20.333	ug/l	94
47) Bromodichloromethane	9.66	83	125969	20.517	ug/l	92
48) Methyl methacrylate	9.46	41	47011	20.110	ug/l	92
49) 1,4-Dioxane	9.47	88	11508	432.554	ug/l	97
51) 4-Methyl-2-Pentanone	10.23	43	253797	103.424	ug/l	97
52) Toluene	10.41	92	231183	20.330	ug/l	99
53) t-1,3-Dichloropropene	10.62	75	119764	20.923	ug/l	99
54) cis-1,3-Dichloropropene	10.09	75	141165	20.915	ug/l	96
55) 1,1,2-Trichloroethane	10.80	97	65667	21.118	ug/l	95
56) Ethyl methacrylate	10.66	69	79635	20.507	ug/l	98
57) 1,3-Dichloropropane	10.95	76	112155	20.948	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	155681	105.224	ug/l	98
59) 2-Hexanone	10.98	43	172432	103.529	ug/l	99
60) Dibromochloromethane	11.14	129	88992	20.696	ug/l	100
61) 1,2-Dibromoethane	11.25	107	64802	21.129	ug/l	95
64) Tetrachloroethene	10.88	164	93187	20.901	ug/l	95
65) Chlorobenzene	11.67	112	248358	20.591	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.74	131	95962	21.104	ug/l	97
67) Ethyl Benzene	11.75	91	449032	20.511	ug/l	98
68) m/p-Xylenes	11.86	106	343436	40.643	ug/l	97
69) o-Xylene	12.18	106	157685	20.660	ug/l	100
70) Styrene	12.20	104	272883	20.369	ug/l	100
71) Bromoform	12.36	173	53200	20.516	ug/l #	98
73) Isopropylbenzene	12.48	105	435864	21.220	ug/l	100
74) N-amyl acetate	12.29	43	94127	21.437	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.73	83	68697	21.290	ug/l	100
76) 1,2,3-Trichloropropane	12.79	75	90834	40.020	ug/l #	100
77) Bromobenzene	12.77	156	105235	20.851	ug/l	100
78) n-propylbenzene	12.83	91	507443	21.176	ug/l	99
79) 2-Chlorotoluene	12.91	91	273825	20.801	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	357469	21.186	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	22160	20.420	ug/l	96
82) 4-Chlorotoluene	13.01	91	295116	21.066	ug/l	100
83) tert-Butylbenzene	13.23	119	311542	21.266	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	353606	21.043	ug/l	98
85) sec-Butylbenzene	13.41	105	426235	21.222	ug/l	99
86) p-Isopropyltoluene	13.52	119	400766	20.869	ug/l	100
87) 1,3-Dichlorobenzene	13.52	146	202167	21.012	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	198628	21.015	ug/l	99
89) n-Butylbenzene	13.85	91	370411	21.418	ug/l	100
90) Hexachloroethane	14.12	117	77557	21.142	ug/l	97
91) 1,2-Dichlorobenzene	13.90	146	171947	20.958	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.52	75	11300	21.603	ug/l	94

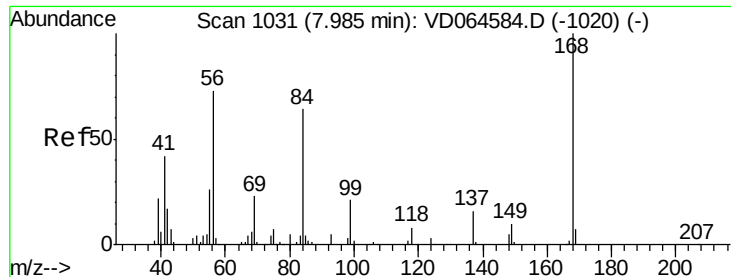
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD122619\
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	129880	21.500	ug/l	97
94) Hexachlorobutadiene	15.28	225	80332	21.133	ug/l	98
95) Naphthalene	15.41	128	202738	21.214	ug/l	98
96) 1,2,3-Trichlorobenzene	15.60	180	110580	21.442	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD064592.D

Acq: 26 Dec 2019 11:48

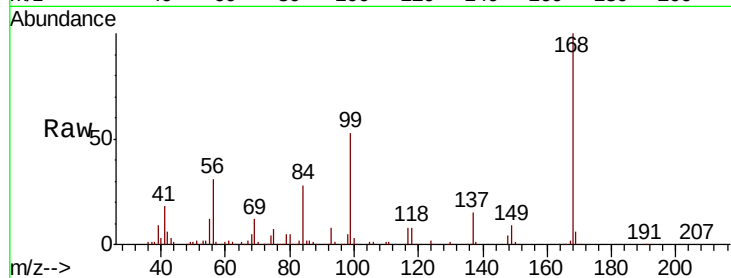
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 453635

Ion Ratio Lower Upper

168 100

99 53.0 41.8 62.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

200000

150000

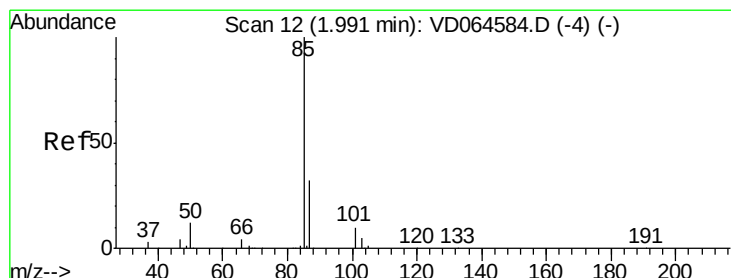
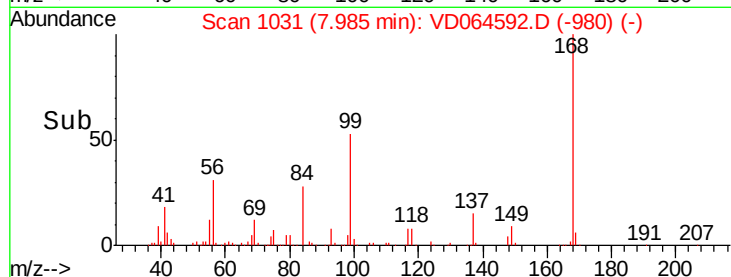
100000

50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 21.272 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD064592.D

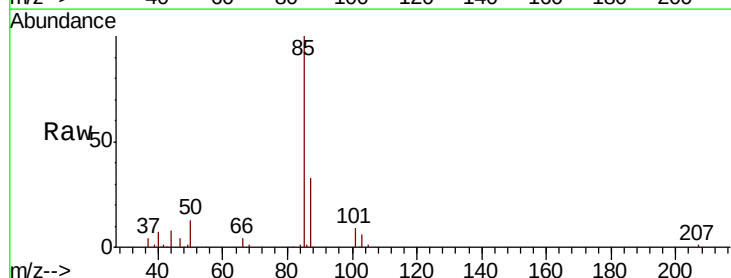
Acq: 26 Dec 2019 11:48

Tgt Ion: 85 Resp: 74991

Ion Ratio Lower Upper

85 100

87 32.6 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

60000

50000

40000

30000

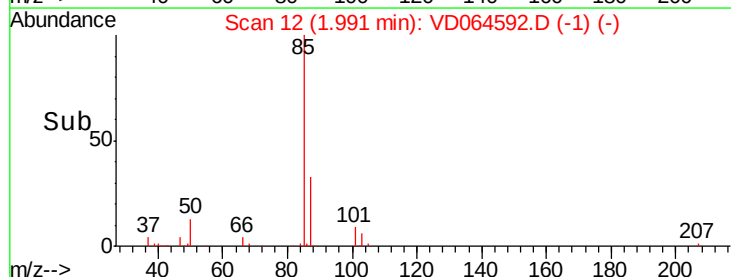
20000

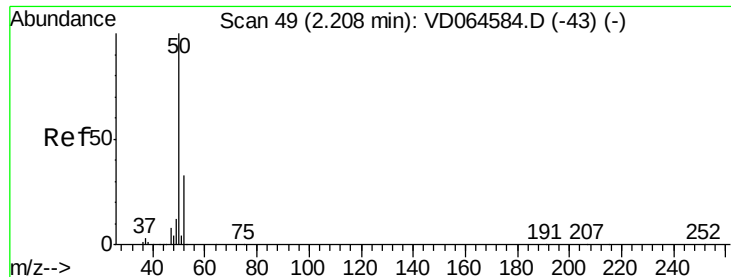
10000

0

1.95 2.00 2.05

Time-->





#3

Chloromethane

Concen: 21.423 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD064592.D

Acq: 26 Dec 2019 11:48

Instrument :

MSVOA_D

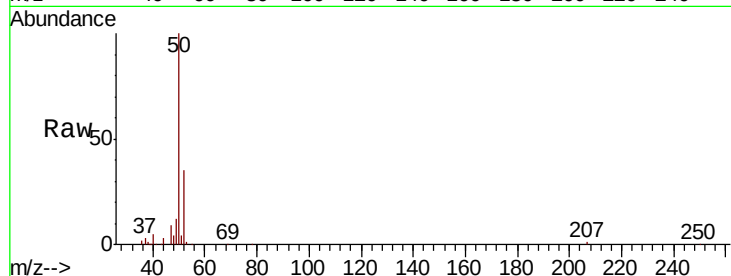
ClientSampleId :

Tot Ion: 50 Resp: 105628

Ion Ratio Lower Upper

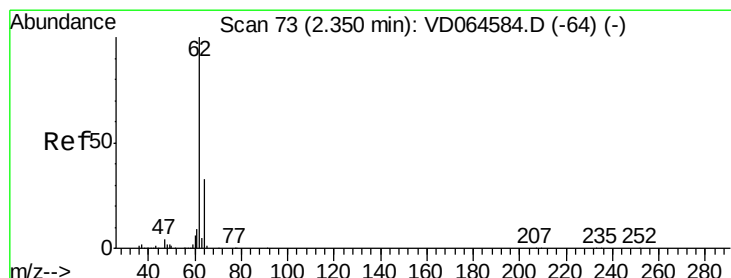
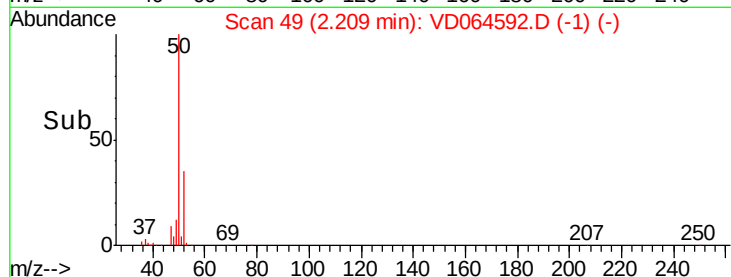
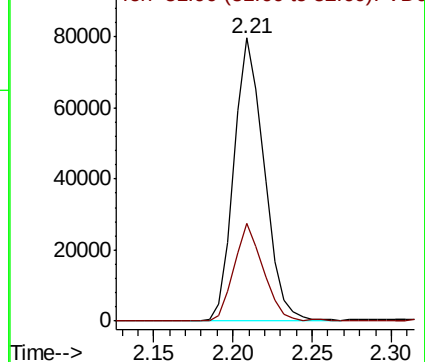
50 100

52 34.7 26.5 39.7



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 20.543 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD064592.D

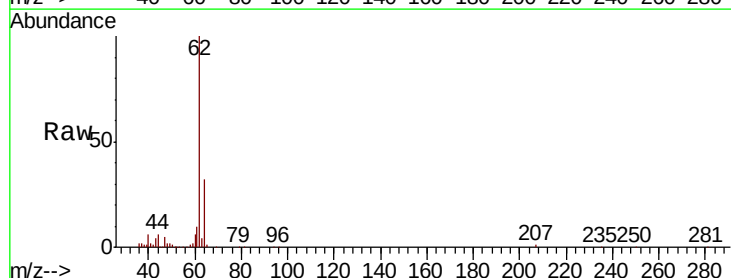
Acq: 26 Dec 2019 11:48

Tgt Ion: 62 Resp: 123498

Ion Ratio Lower Upper

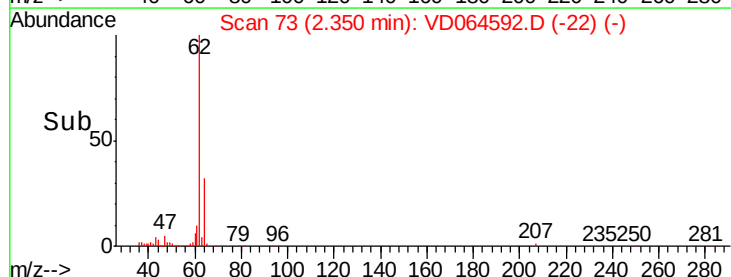
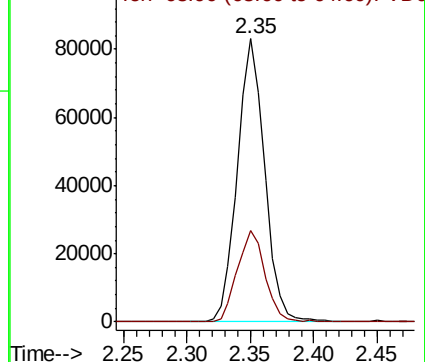
62 100

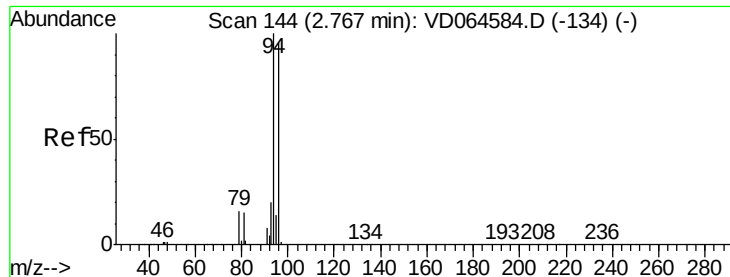
64 32.5 26.6 40.0



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 20.778 ug/l

RT: 2.76 min Scan# 142

Delta R.T. -0.01 min

Lab File: VD064592.D

Acq: 26 Dec 2019 11:48

Instrument :

MSVOA_D

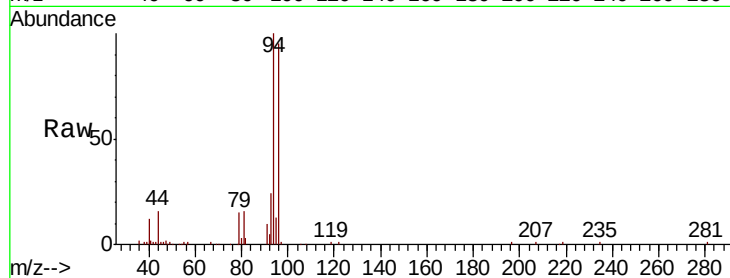
ClientSampleId :

Tot Ion: 94 Resp: 90821

Ion Ratio Lower Upper

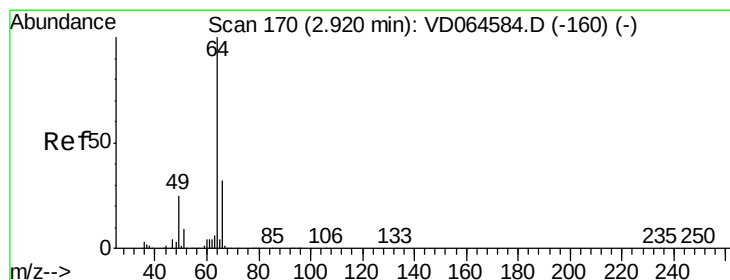
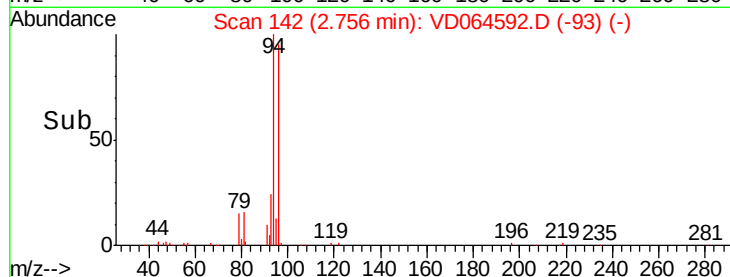
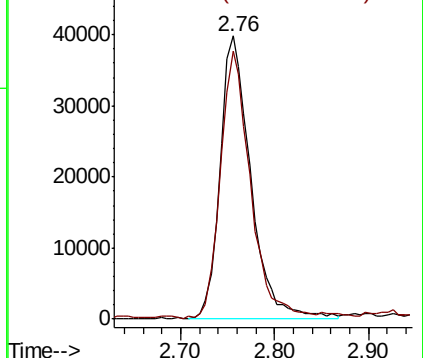
94 100

96 93.6 77.2 115.8



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 20.665 ug/l

RT: 2.92 min Scan# 170

Delta R.T. 0.00 min

Lab File: VD064592.D

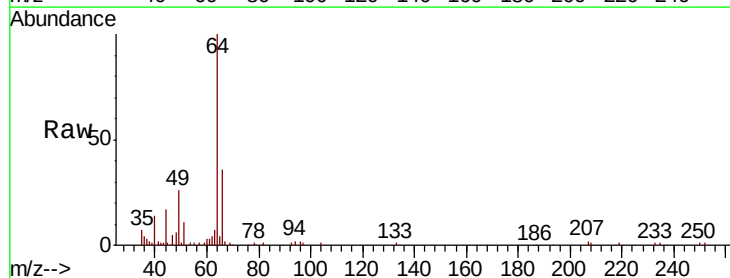
Acq: 26 Dec 2019 11:48

Tgt Ion: 64 Resp: 83242

Ion Ratio Lower Upper

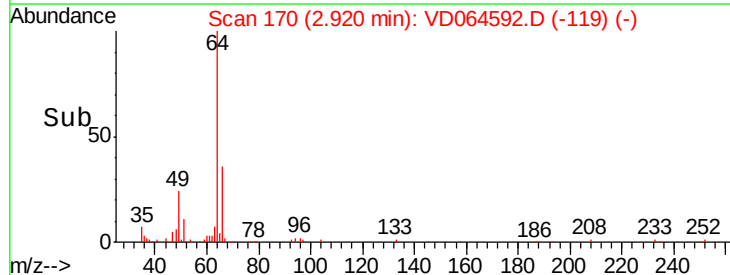
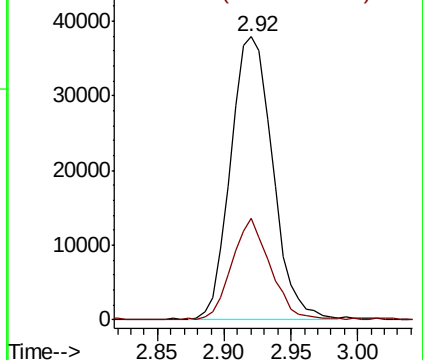
64 100

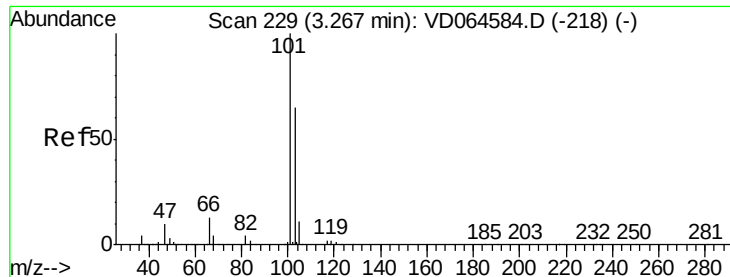
66 35.3 25.9 38.9



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC



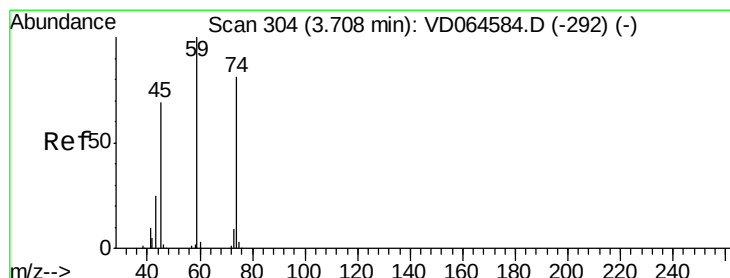
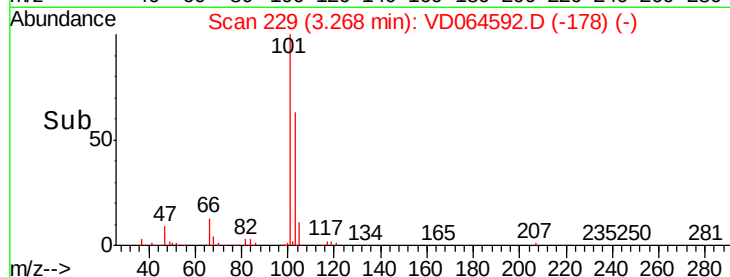
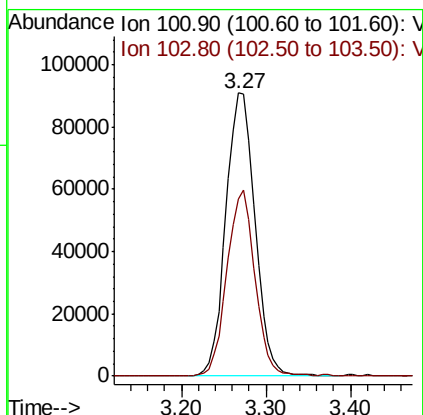
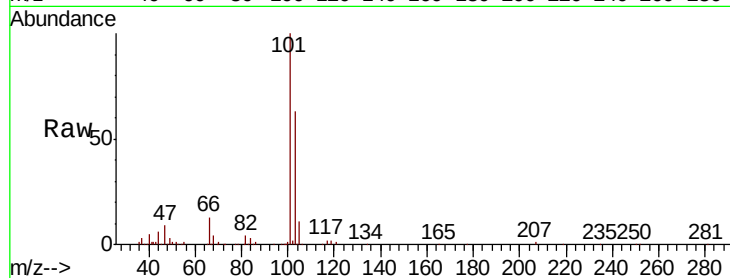


#7

Trichlorofluoromethane
Concen: 21.438 ug/l
RT: 3.27 min Scan# 229
Delta R.T. 0.00 min
Lab File: VD064592.D
Acq: 26 Dec 2019 11:48

Instrument :
MSVOA_D
ClientSampleId :

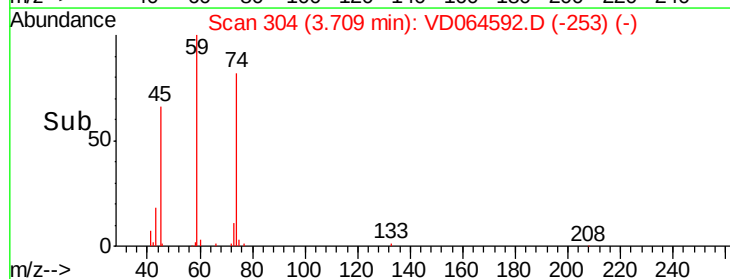
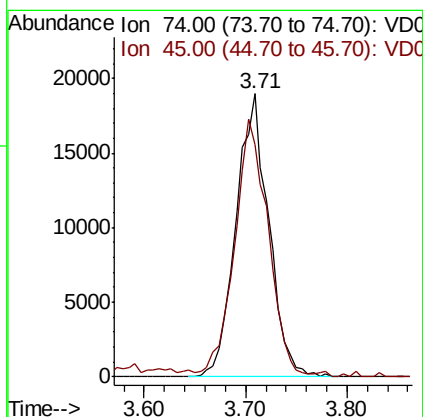
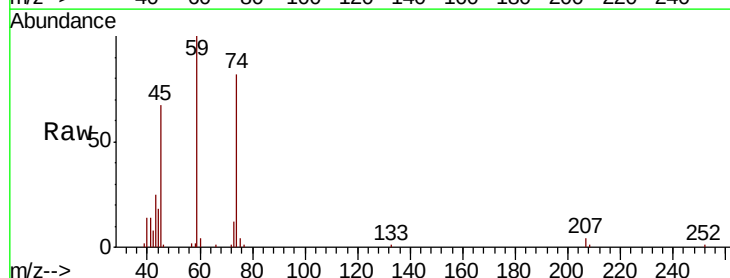
Tot Ion:101 Resp: 217001
Ion Ratio Lower Upper
101 100
103 62.7 52.2 78.4

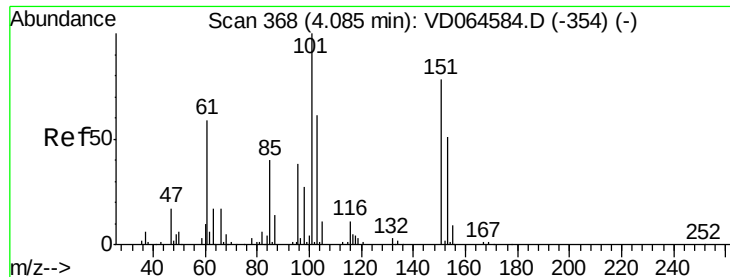


#8

Diethyl Ether
Concen: 21.135 ug/l
RT: 3.71 min Scan# 304
Delta R.T. 0.00 min
Lab File: VD064592.D
Acq: 26 Dec 2019 11:48

Tgt Ion: 74 Resp: 42482
Ion Ratio Lower Upper
74 100
45 90.8 47.5 142.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.149 ug/l

RT: 4.09 min Scan# 368

Delta R.T. 0.00 min

Lab File: VD064592.D

Acq: 26 Dec 2019 11:48

Instrument :

MSVOA_D

ClientSampleId :

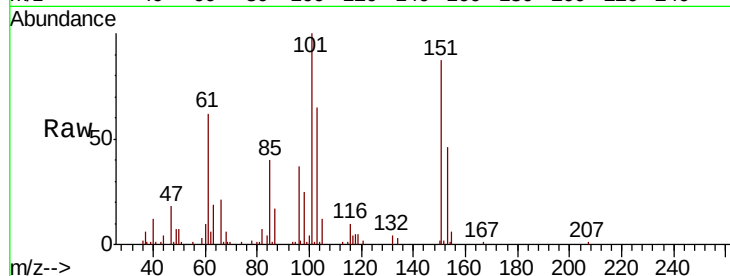
Tot Ion:101 Resp: 88656

Ion Ratio Lower Upper

101 100

85 45.5 35.2 52.8

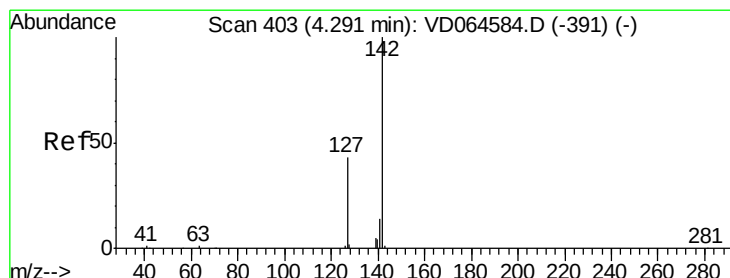
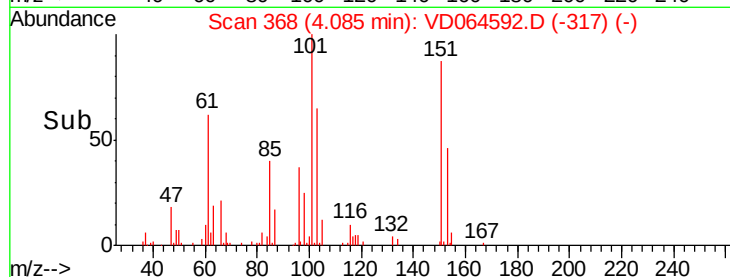
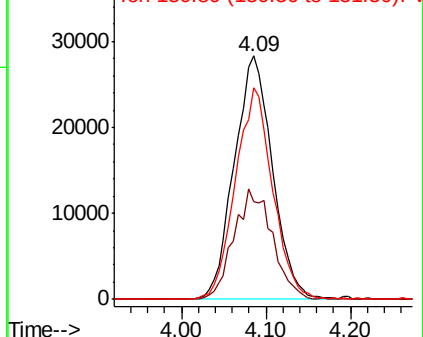
151 84.4 66.2 99.4



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 20.485 ug/l

RT: 4.30 min Scan# 404

Delta R.T. 0.01 min

Lab File: VD064592.D

Acq: 26 Dec 2019 11:48

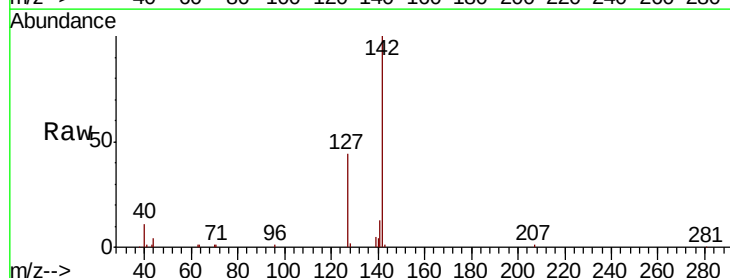
Tgt Ion:142 Resp: 92242

Ion Ratio Lower Upper

142 100

127 44.3 36.2 54.4

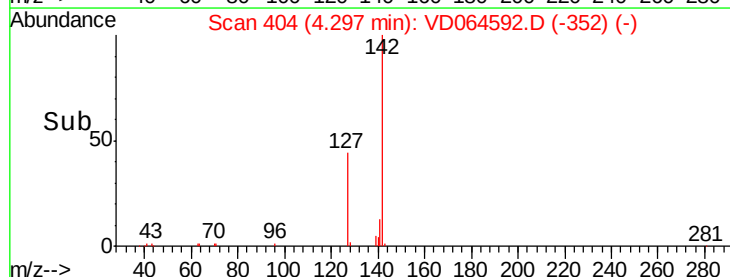
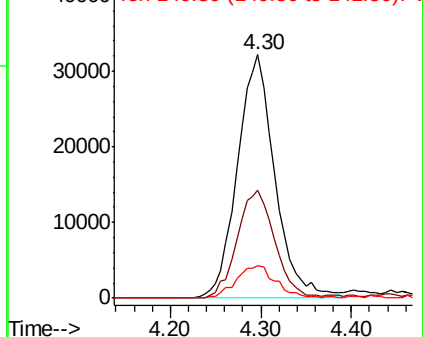
141 14.1 11.8 17.8

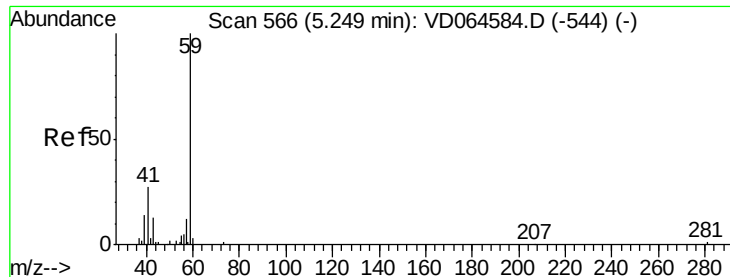


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

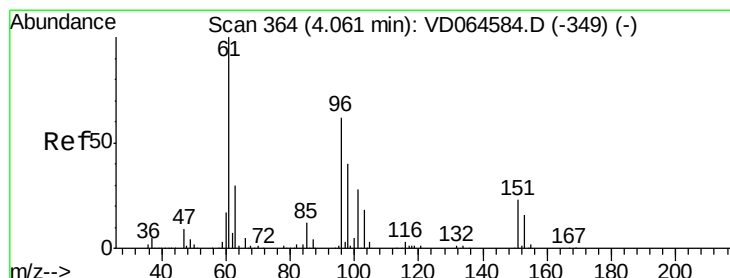
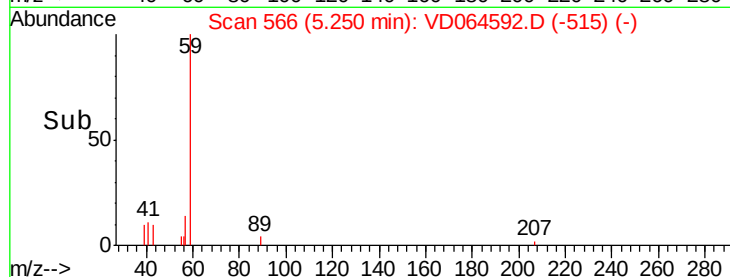
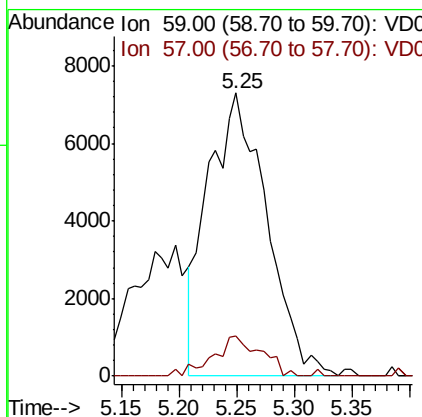
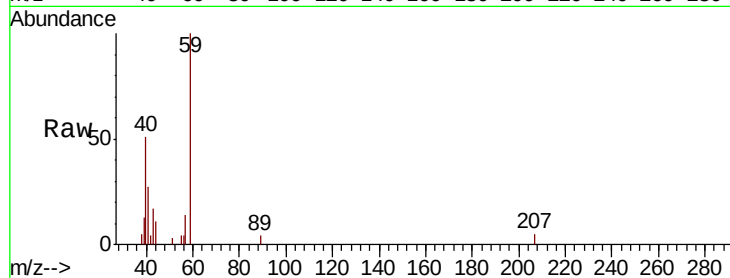




#11
Tert butyl alcohol
Concen: 112.664 ug/l
RT: 5.25 min Scan# 566
Delta R.T. 0.00 min
Lab File: VD064592.D
Acq: 26 Dec 2019 11:48

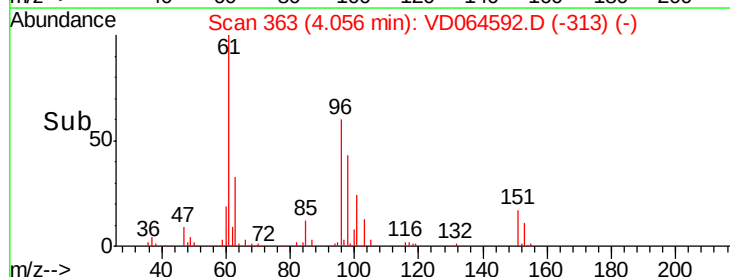
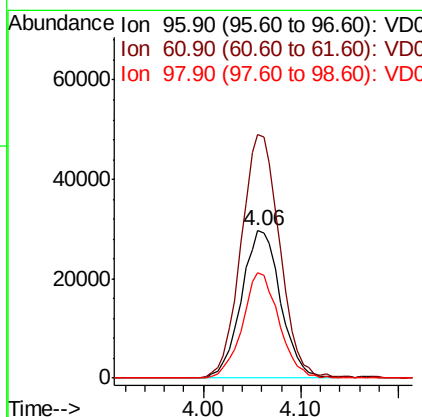
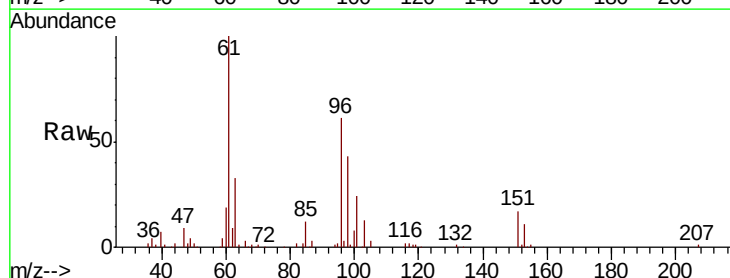
Instrument :
MSVOA_D
ClientSampleId :

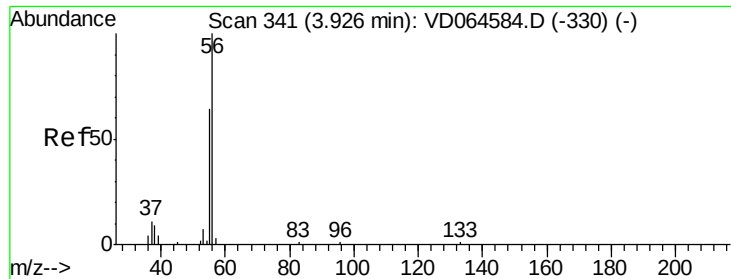
Tot Ion: 59 Resp: 25828
Ion Ratio Lower Upper
59 100
57 11.5 9.3 13.9



#12
1,1-Dichloroethene
Concen: 20.818 ug/l
RT: 4.06 min Scan# 363
Delta R.T. -0.01 min
Lab File: VD064592.D
Acq: 26 Dec 2019 11:48

Tgt Ion: 96 Resp: 83085
Ion Ratio Lower Upper
96 100
61 165.0 129.4 194.0
98 71.1 51.4 77.0





#13

Acrolein

Concen: 95.358 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.01 min

Lab File: VD064592.D

Acq: 26 Dec 2019 11:48

Instrument :

MSVOA_D

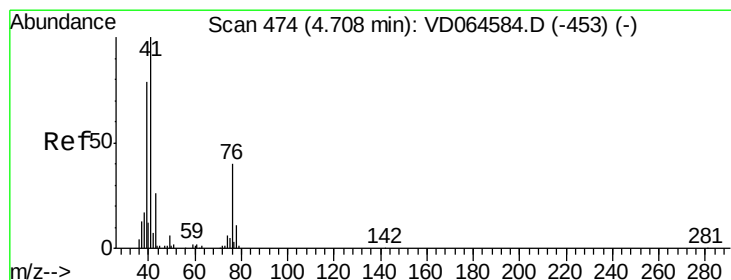
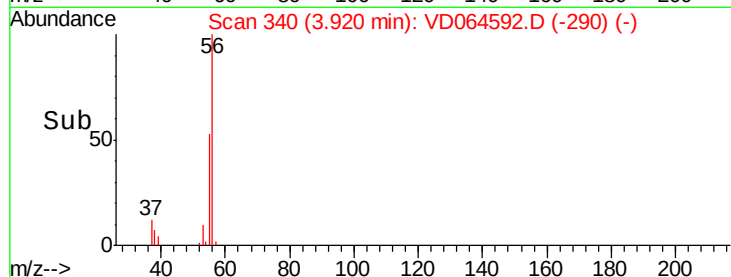
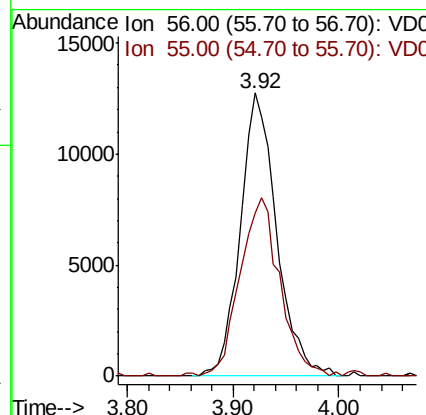
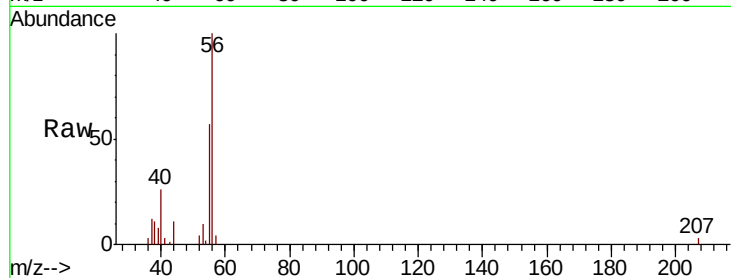
ClientSampleId :

Tot Ion: 56 Resp: 30466

Ion Ratio Lower Upper

56 100

55 69.0 56.7 85.1



#14

Allyl chloride

Concen: 20.930 ug/l

RT: 4.71 min Scan# 475

Delta R.T. 0.01 min

Lab File: VD064592.D

Acq: 26 Dec 2019 11:48

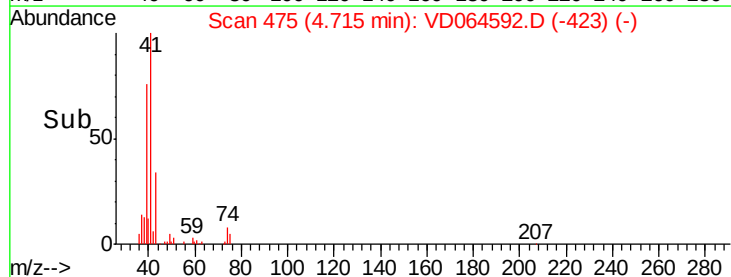
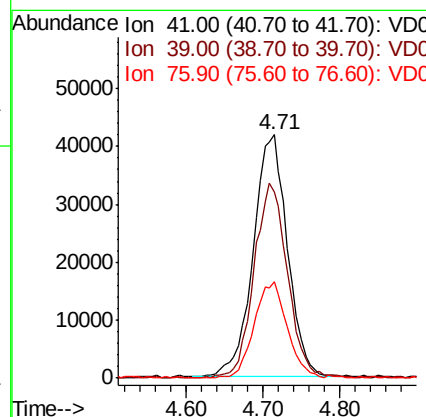
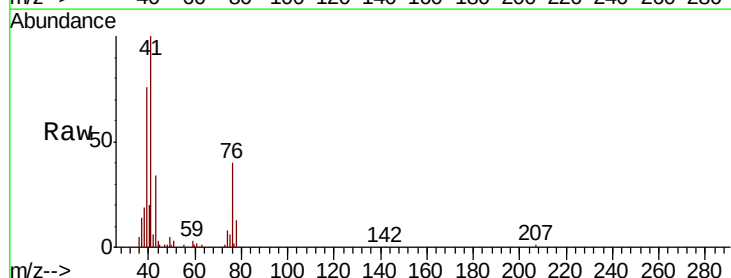
Tgt Ion: 41 Resp: 130235

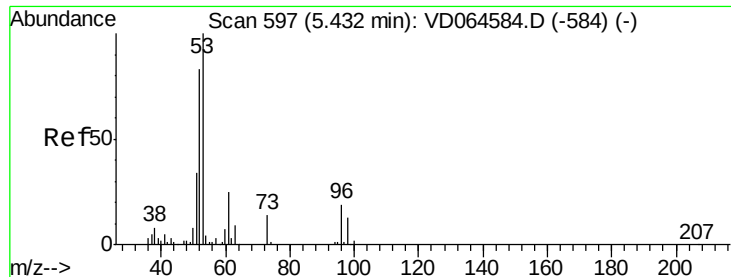
Ion Ratio Lower Upper

41 100

39 79.1 62.3 93.5

76 38.3 29.7 44.5





#15

Acrylonitrile

Concen: 106.064 ug/l

RT: 5.43 min Scan# 597

Delta R.T. 0.00 min

Lab File: VD064592.D

Acq: 26 Dec 2019 11:48

Instrument :

MSVOA_D

ClientSampleId :

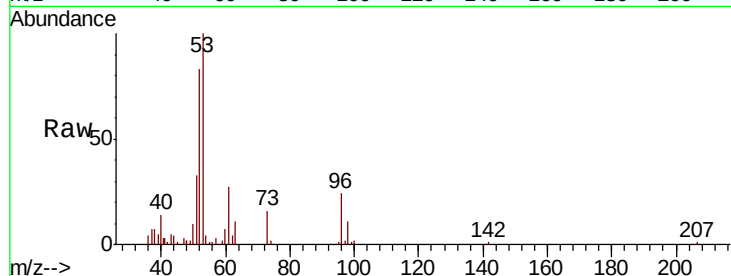
Tot Ion: 53 Resp: 88802

Ion Ratio Lower Upper

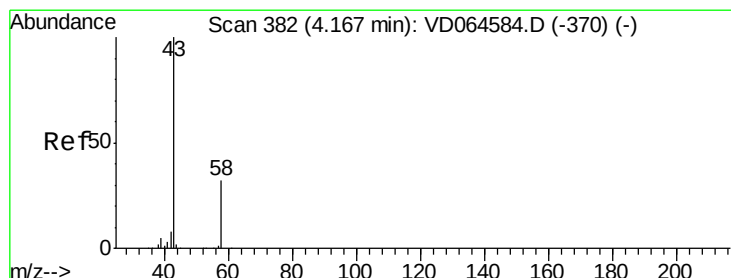
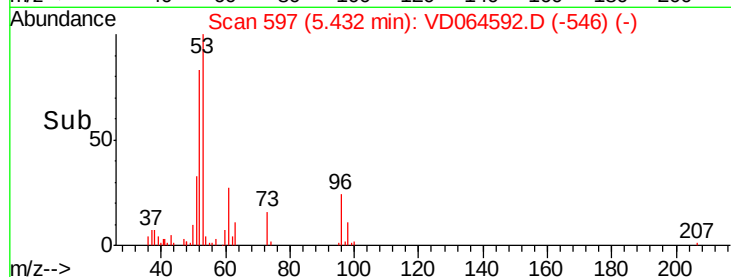
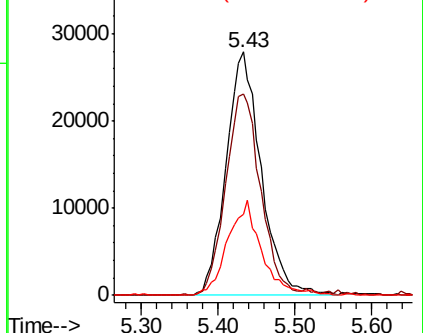
53 100

52 82.2 66.2 99.2

51 37.7 30.1 45.1



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



#16

Acetone

Concen: 95.160 ug/l

RT: 4.17 min Scan# 382

Delta R.T. 0.00 min

Lab File: VD064592.D

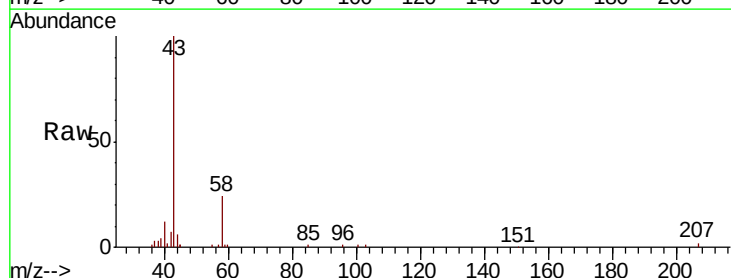
Acq: 26 Dec 2019 11:48

Tgt Ion: 43 Resp: 83850

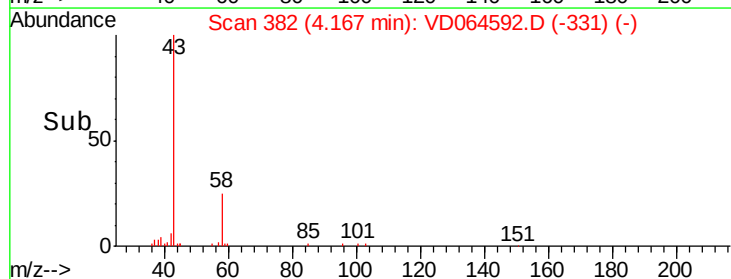
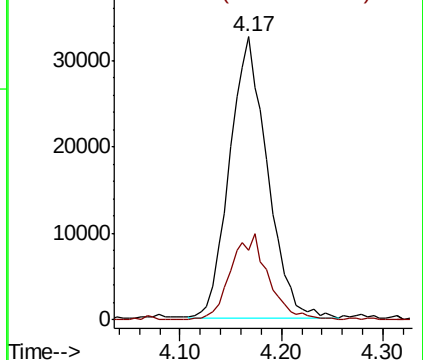
Ion Ratio Lower Upper

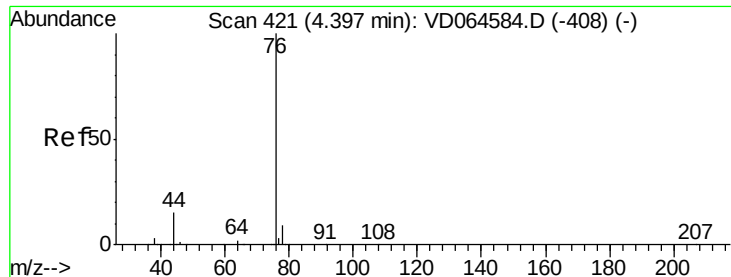
43 100

58 24.7 25.8 38.6#



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





#17

Carbon Disulfide

Concen: 21.110 ug/l

RT: 4.40 min Scan# 421

Delta R.T. 0.00 min

Lab File: VD064592.D

Acq: 26 Dec 2019 11:48

Instrument :

MSVOA_D

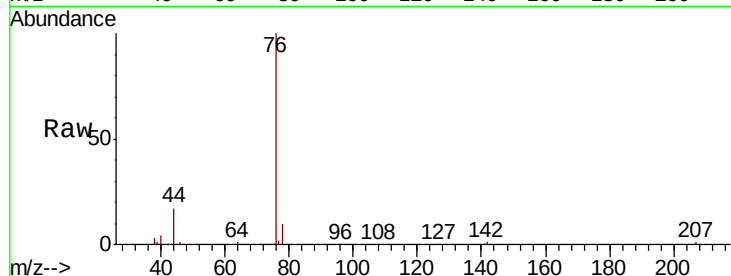
ClientSampled :

Tot Ion: 76 Resp: 272424

Ion Ratio Lower Upper

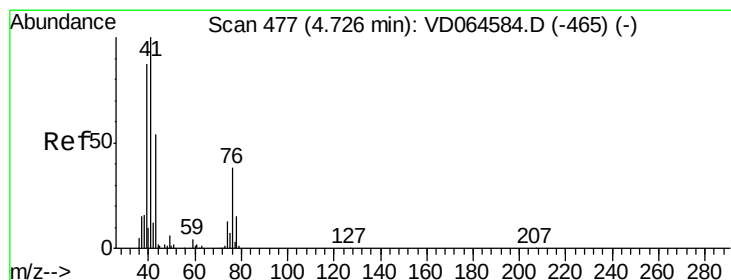
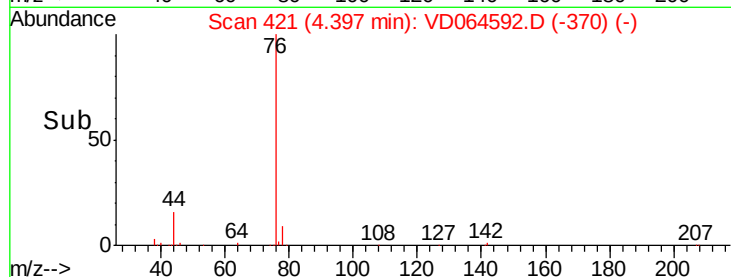
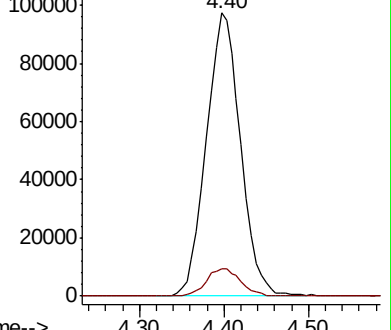
76 100

78 9.5 7.3 10.9



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#18

Methyl Acetate

Concen: 21.381 ug/l

RT: 4.73 min Scan# 477

Delta R.T. 0.00 min

Lab File: VD064592.D

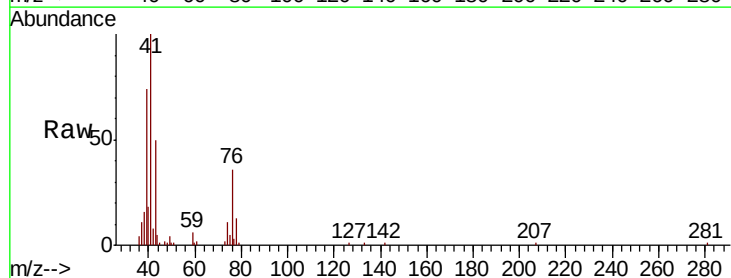
Acq: 26 Dec 2019 11:48

Tgt Ion: 43 Resp: 48151

Ion Ratio Lower Upper

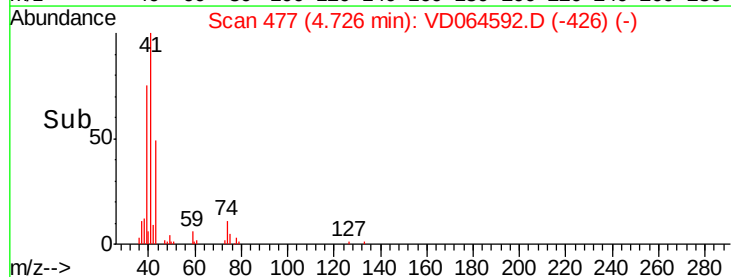
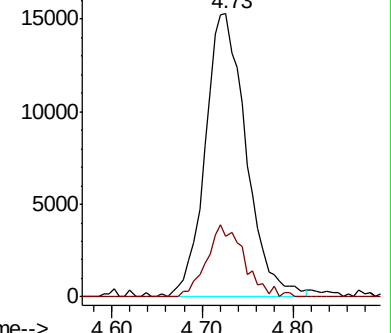
43 100

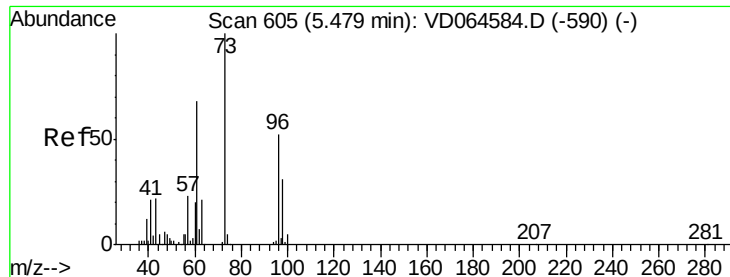
74 23.1 19.2 28.8



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC



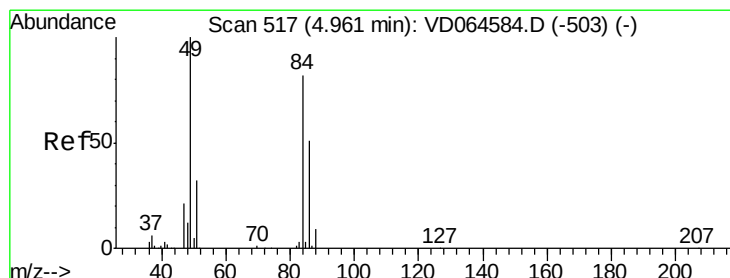
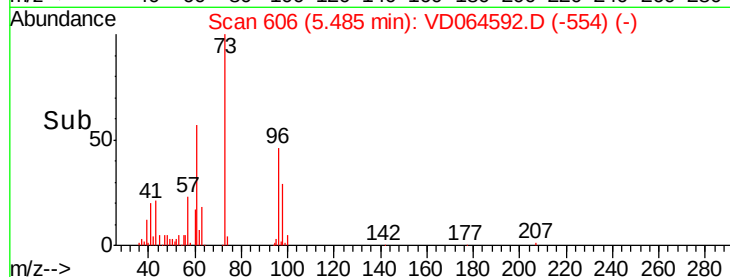
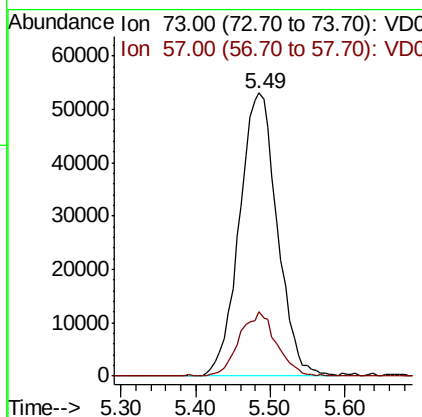
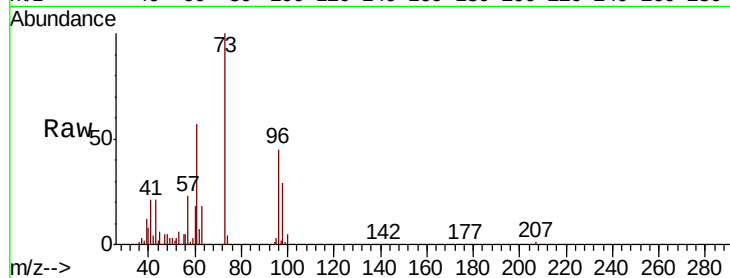


#19

Methyl tert-butyl Ether
 Concen: 21.119 ug/l
 RT: 5.49 min Scan# 606
 Delta R.T. 0.01 min
 Lab File: VD064592.D
 Acq: 26 Dec 2019 11:48

Instrument :
 MSVOA_D
 ClientSampleId :

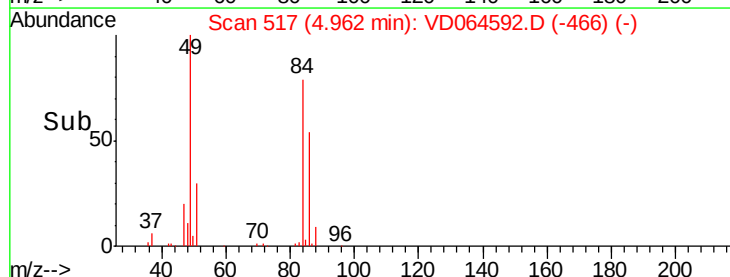
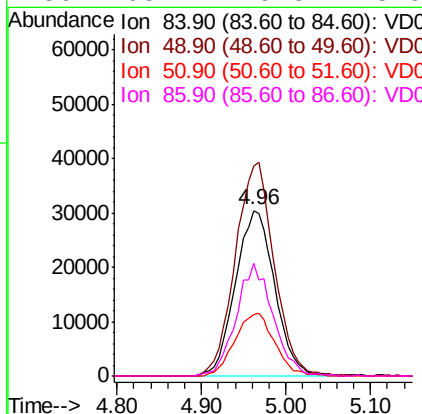
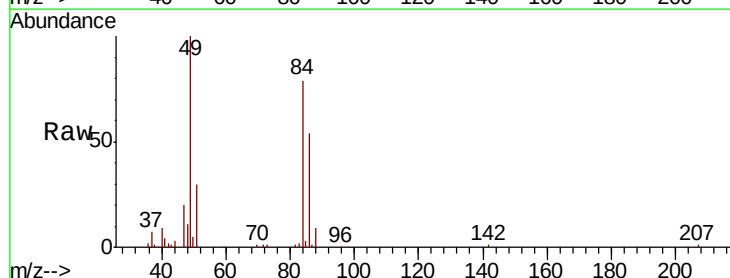
Tot Ion: 73 Resp: 187214
 Ion Ratio Lower Upper
 73 100
 57 23.0 18.6 27.8

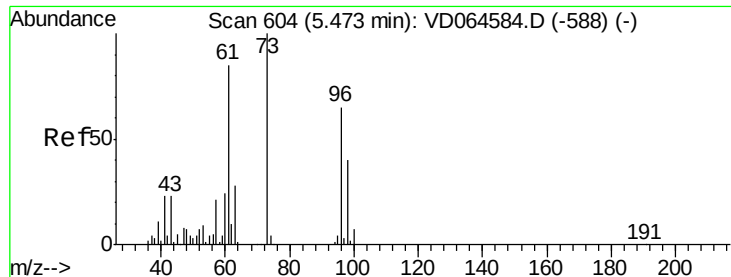


#20

Methylene Chloride
 Concen: 21.187 ug/l
 RT: 4.96 min Scan# 517
 Delta R.T. 0.00 min
 Lab File: VD064592.D
 Acq: 26 Dec 2019 11:48

Tgt Ion: 84 Resp: 98197
 Ion Ratio Lower Upper
 84 100
 49 126.7 97.2 145.8
 51 37.5 31.4 47.0
 86 68.2 49.3 73.9





#21

trans-1,2-Dichloroethene

Concen: 21.491 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD064592.D

Acq: 26 Dec 2019 11:48

Instrument :
MSVOA_D
ClientSampleId :

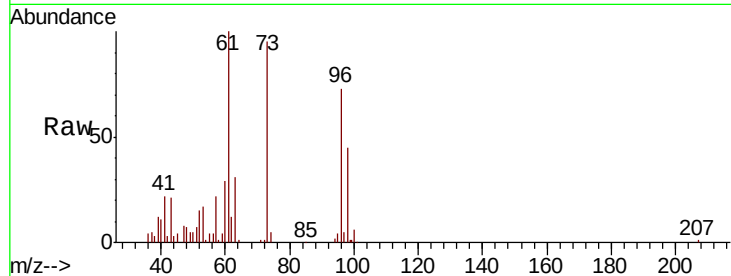
Tot Ion: 96 Resp: 97681

Ion Ratio Lower Upper

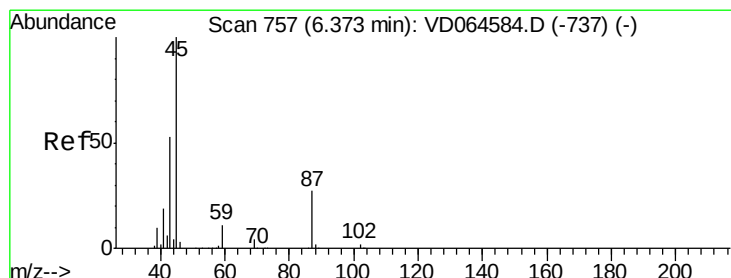
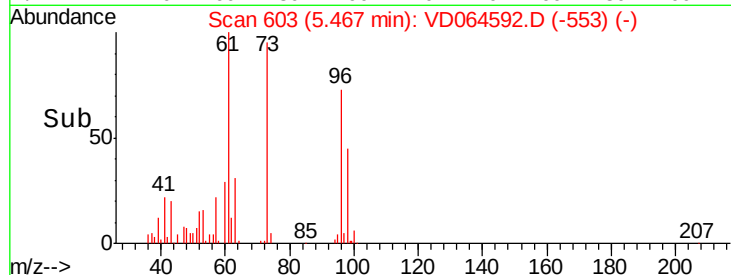
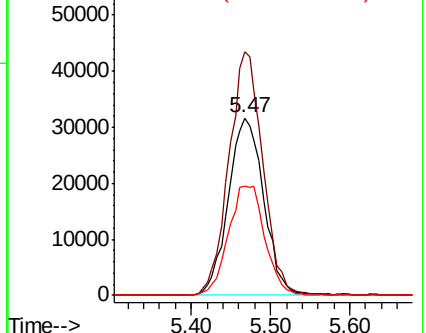
96 100

61 137.5 104.7 157.1

98 62.0 49.4 74.2



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



#22

Diisopropyl ether

Concen: 21.486 ug/l

RT: 6.37 min Scan# 757

Delta R.T. 0.00 min

Lab File: VD064592.D

Acq: 26 Dec 2019 11:48

Tgt Ion: 45 Resp: 266663

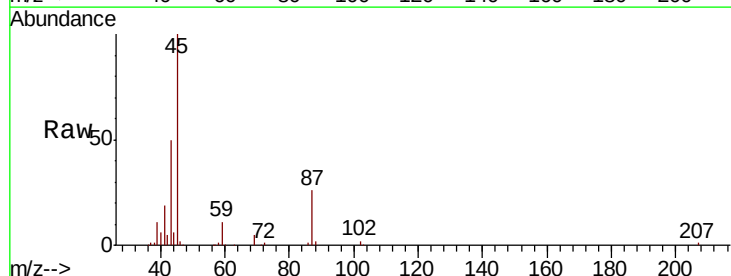
Ion Ratio Lower Upper

45 100

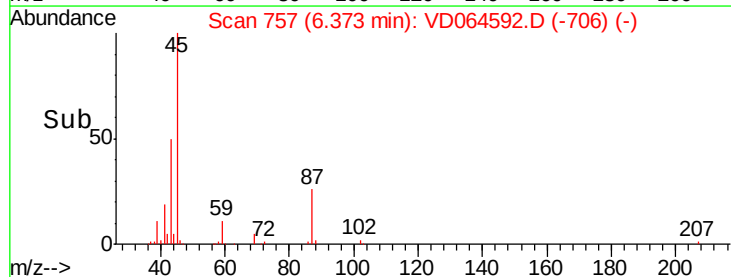
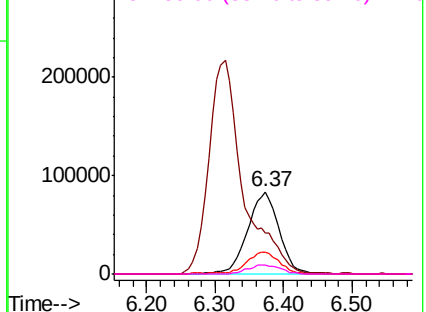
43 49.6 43.2 64.8

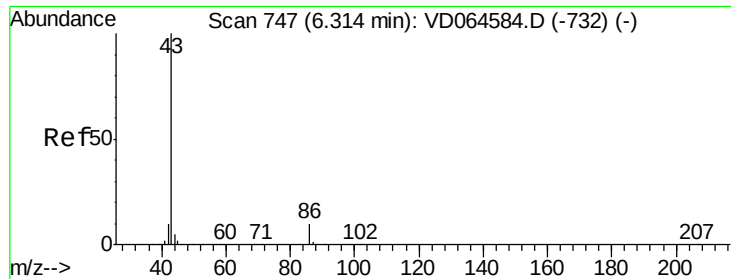
87 26.1 21.9 32.9

59 11.1 9.0 13.4



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





#23

Vinyl Acetate

Concen: 107.128 ug/l

RT: 6.31 min Scan# 747

Delta R.T. 0.00 min

Lab File: VD064592.D

Acq: 26 Dec 2019 11:48

Instrument :

MSVOA_D

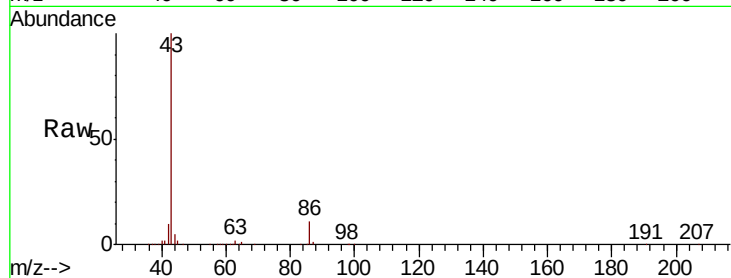
ClientSampleId :

Tot Ion: 43 Resp: 754232

Ion Ratio Lower Upper

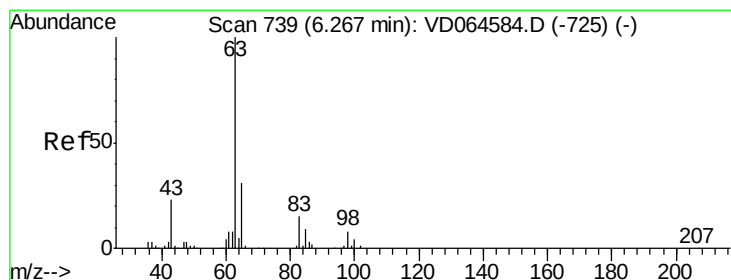
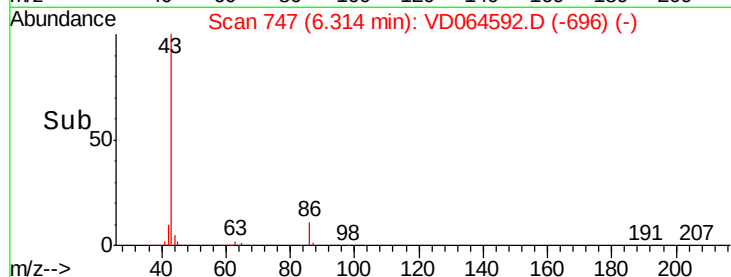
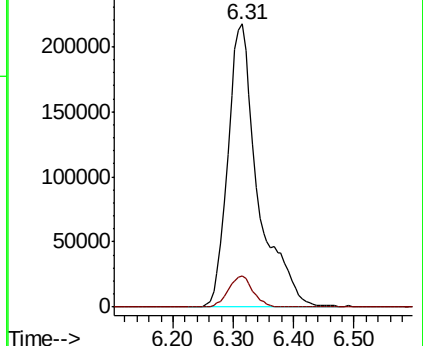
43 100

86 11.0 8.3 12.5



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 21.391 ug/l

RT: 6.27 min Scan# 739

Delta R.T. 0.00 min

Lab File: VD064592.D

Acq: 26 Dec 2019 11:48

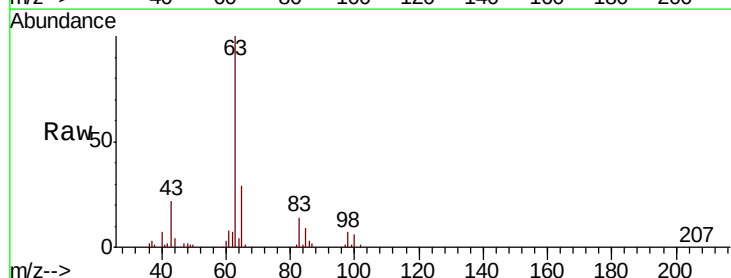
Tgt Ion: 63 Resp: 159383

Ion Ratio Lower Upper

63 100

98 6.7 4.1 12.3

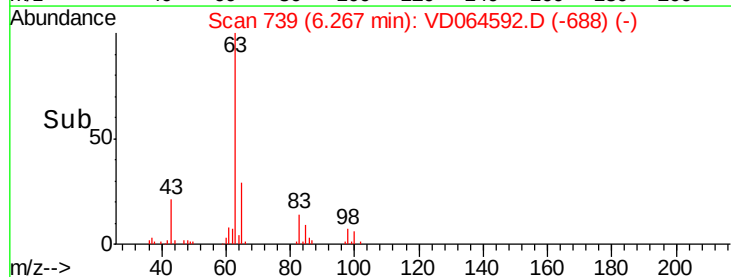
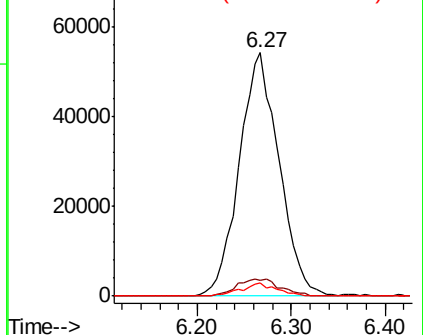
100 5.5 2.2 6.6

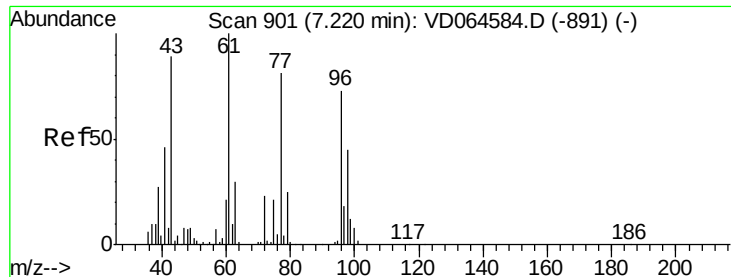


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 103.514 ug/l

RT: 7.23 min Scan# 902

Delta R.T. 0.01 min

Lab File: VD064592.D

Acq: 26 Dec 2019 11:48

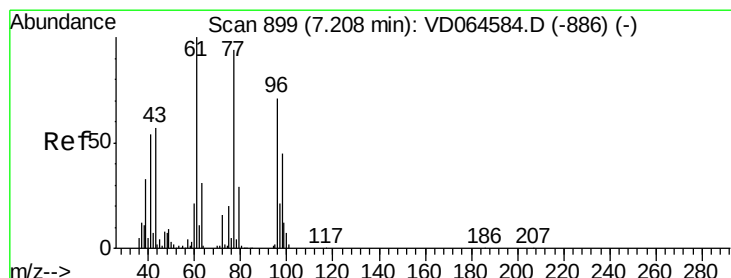
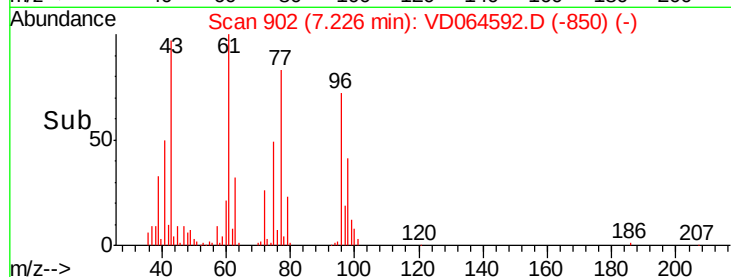
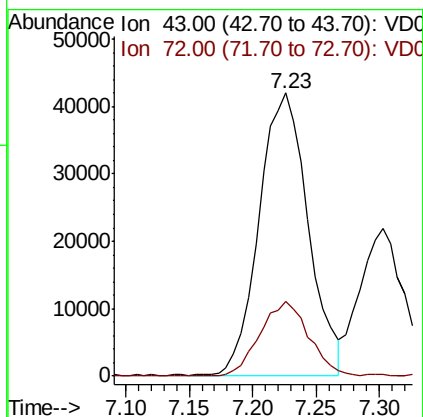
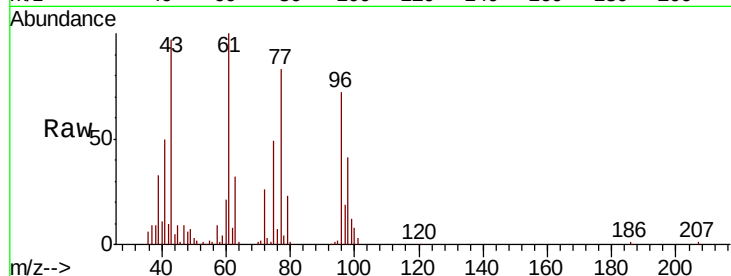
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 43 Resp: 113817

Ion Ratio Lower Upper

43 100

72 26.4 20.7 31.1



#26

2,2-Dichloropropane

Concen: 21.248 ug/l

RT: 7.21 min Scan# 899

Delta R.T. 0.00 min

Lab File: VD064592.D

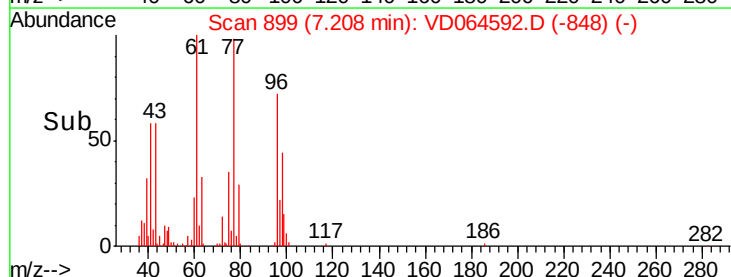
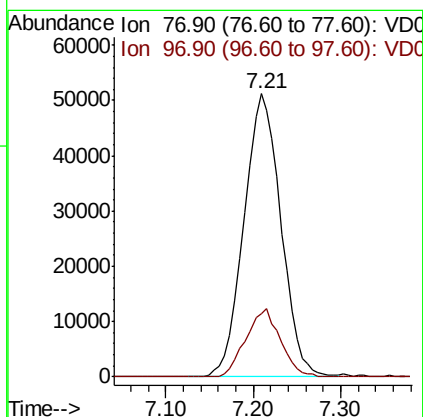
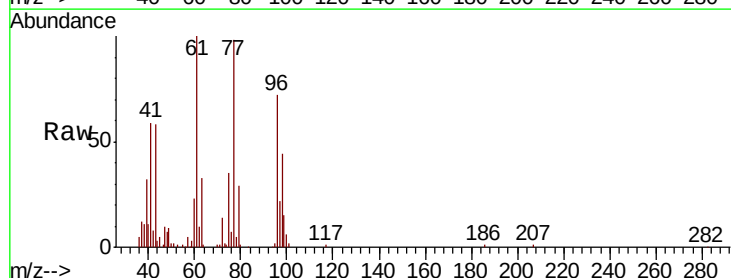
Acq: 26 Dec 2019 11:48

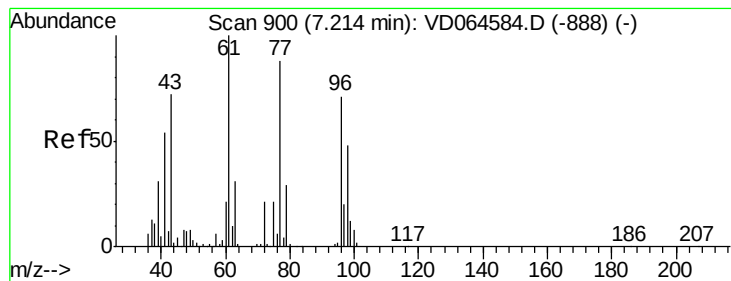
Tgt Ion: 77 Resp: 147197

Ion Ratio Lower Upper

77 100

97 22.6 11.2 33.6





#27

cis-1,2-Dichloroethene

Concen: 21.251 ug/l

RT: 7.22 min Scan# 901

Delta R.T. 0.01 min

Lab File: VD064592.D

Acq: 26 Dec 2019 11:48

Instrument :
MSVOA_D
ClientSampleId :

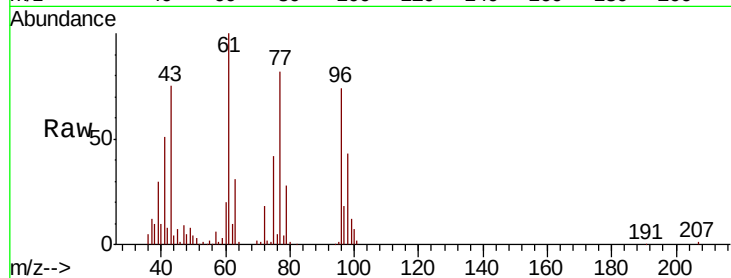
Tot Ion: 96 Resp: 104241

Ion Ratio Lower Upper

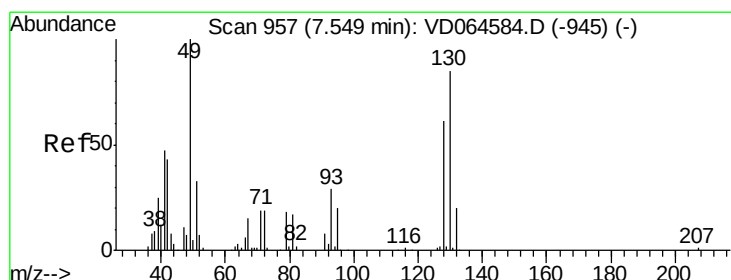
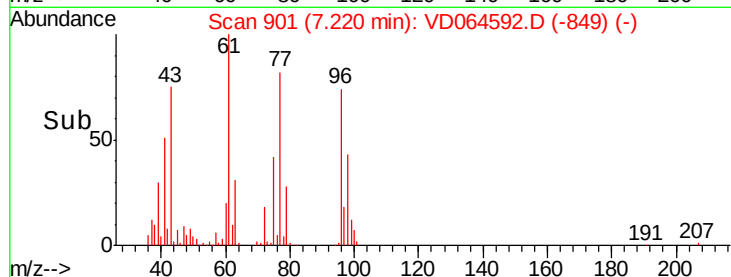
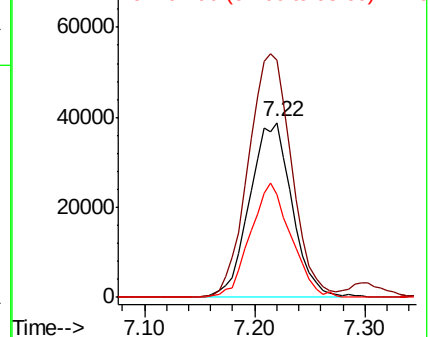
96 100

61 142.8 0.0 282.6

98 62.7 0.0 130.8



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



#28

Bromochloromethane

Concen: 18.655 ug/l

RT: 7.55 min Scan# 957

Delta R.T. 0.00 min

Lab File: VD064592.D

Acq: 26 Dec 2019 11:48

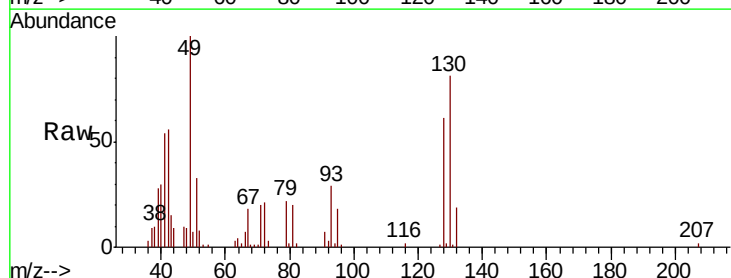
Tgt Ion: 49 Resp: 54032

Ion Ratio Lower Upper

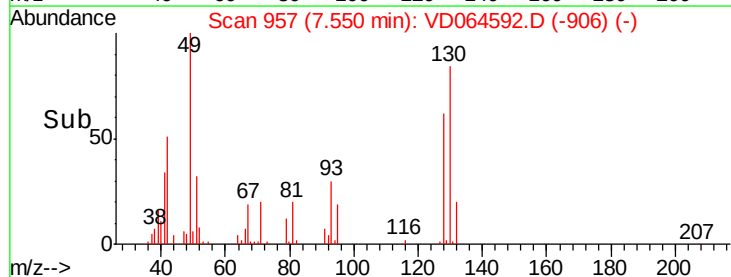
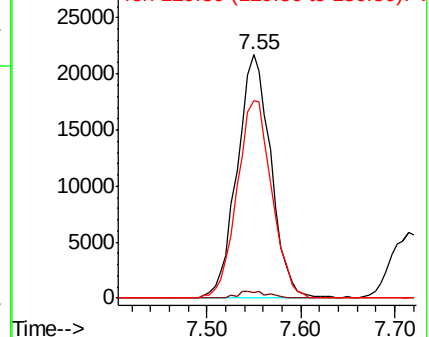
49 100

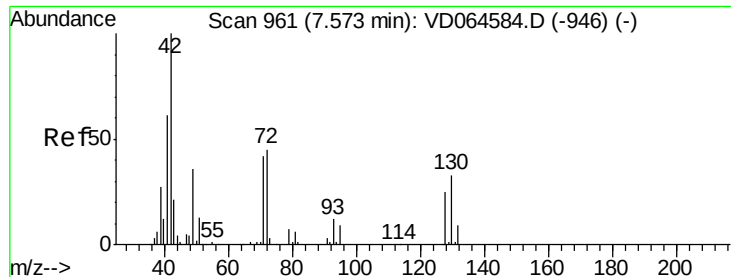
129 2.6 0.0 4.8

130 83.3 65.0 97.6



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

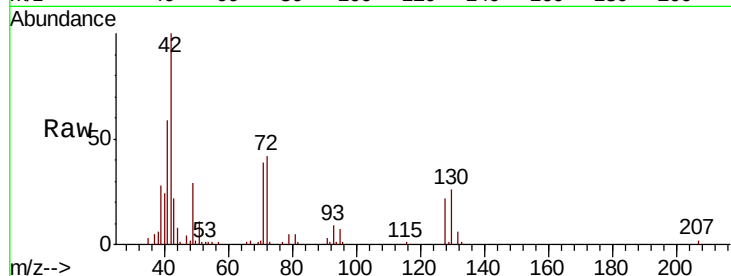




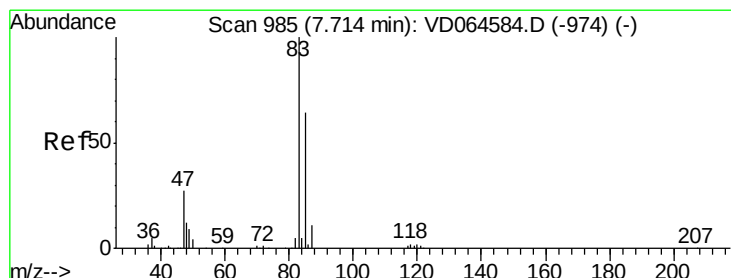
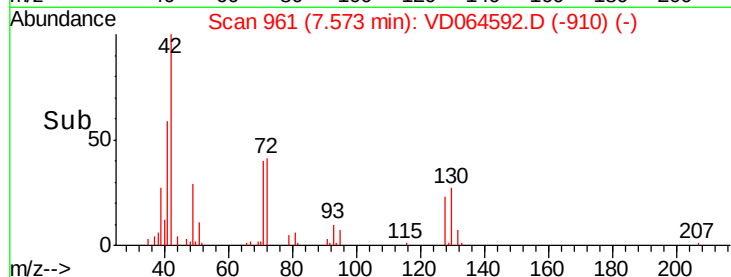
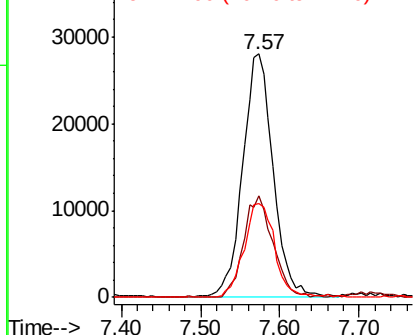
#29
Tetrahydrofuran
Concen: 109.896 ug/l
RT: 7.57 min Scan# 961
Delta R.T. 0.00 min
Lab File: VD064592.D
Acq: 26 Dec 2019 11:48

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 42 Resp: 75144
Ion Ratio Lower Upper
42 100
72 40.1 35.0 52.4
71 38.7 32.9 49.3

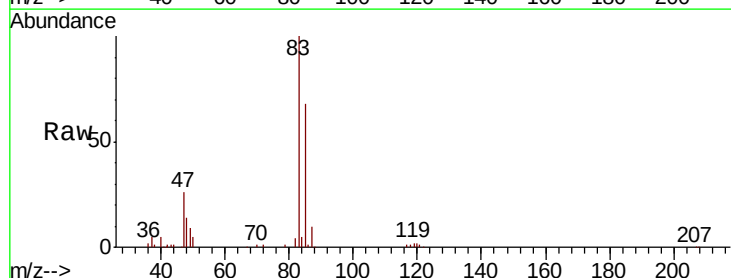


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

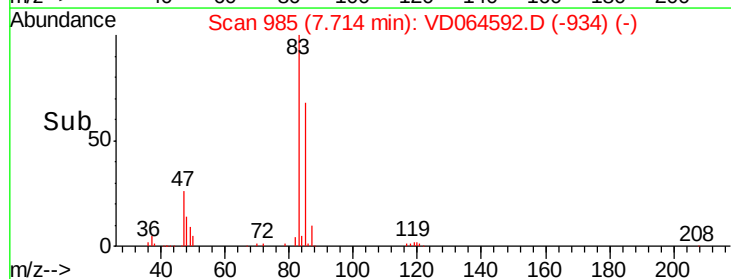
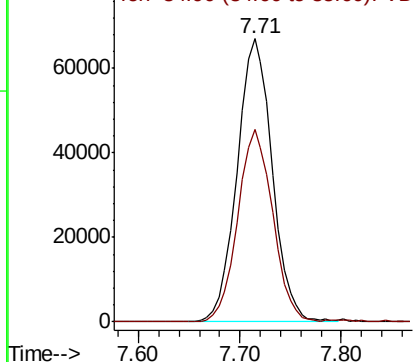


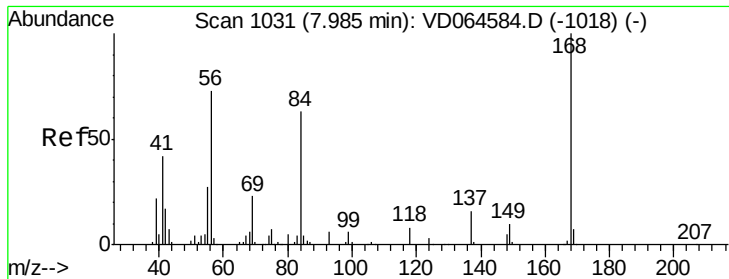
#30
Chloroform
Concen: 20.640 ug/l
RT: 7.71 min Scan# 985
Delta R.T. 0.00 min
Lab File: VD064592.D
Acq: 26 Dec 2019 11:48

Tgt Ion: 83 Resp: 161346
Ion Ratio Lower Upper
83 100
85 68.0 51.1 76.7



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

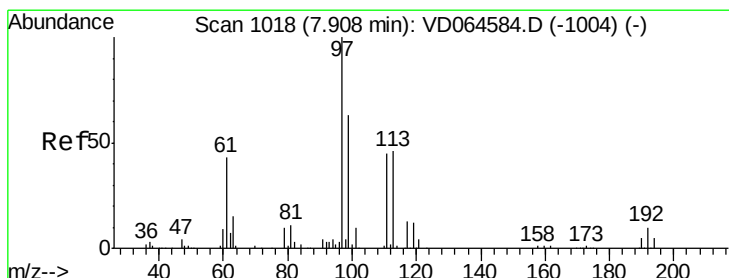
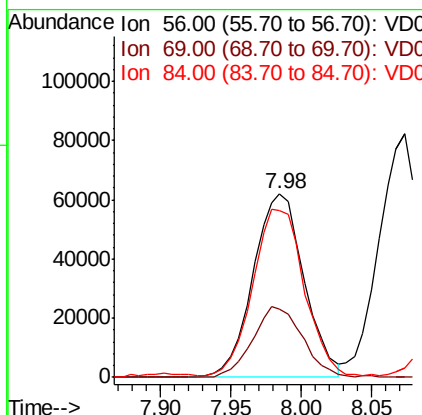
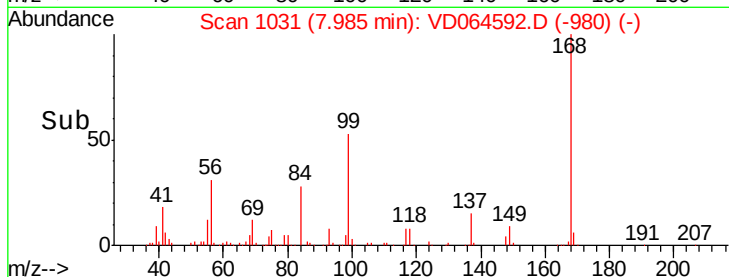
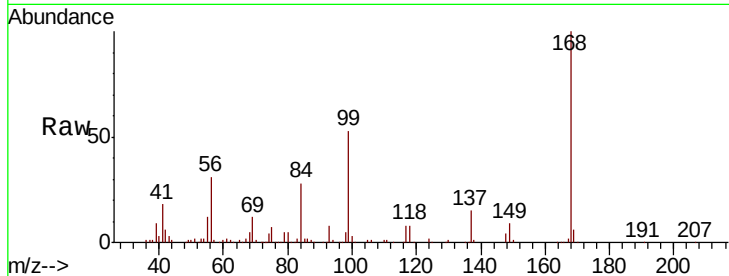




#31
Cyclohexane
Concen: 21.017 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD064592.D
Acq: 26 Dec 2019 11:48

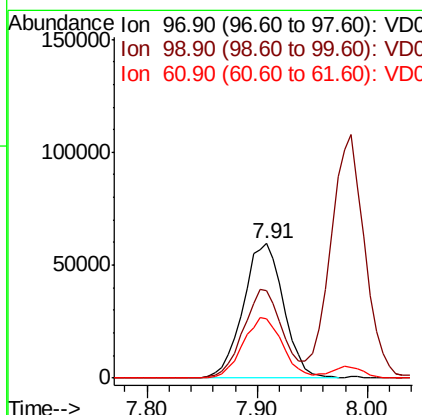
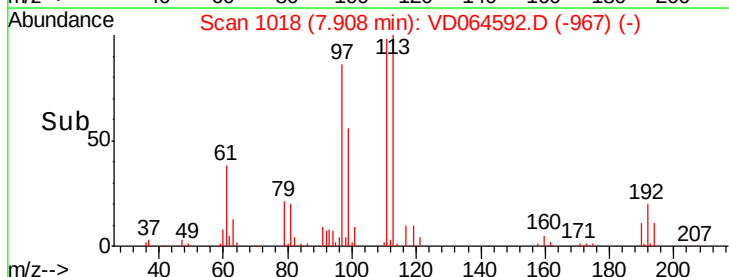
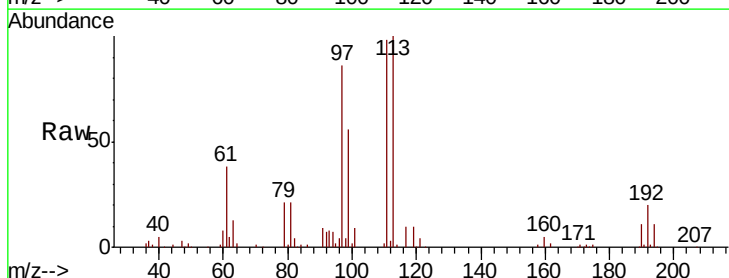
Instrument :
MSVOA_D
ClientSampleId :

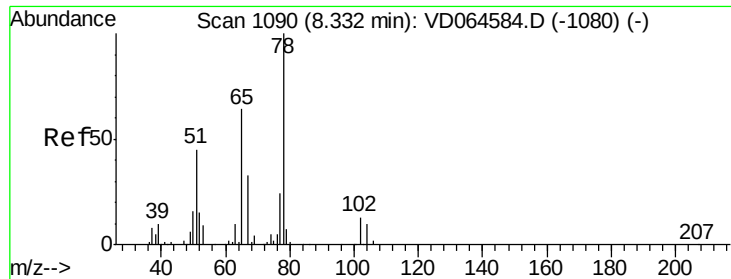
Tot Ion: 56 Resp: 156751
Ion Ratio Lower Upper
56 100
69 37.5 24.7 37.1#
84 89.2 69.4 104.2



#32
1,1,1-Trichloroethane
Concen: 20.843 ug/l
RT: 7.91 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VD064592.D
Acq: 26 Dec 2019 11:48

Tgt Ion: 97 Resp: 153039
Ion Ratio Lower Upper
97 100
99 64.5 51.0 76.6
61 44.0 35.4 53.0

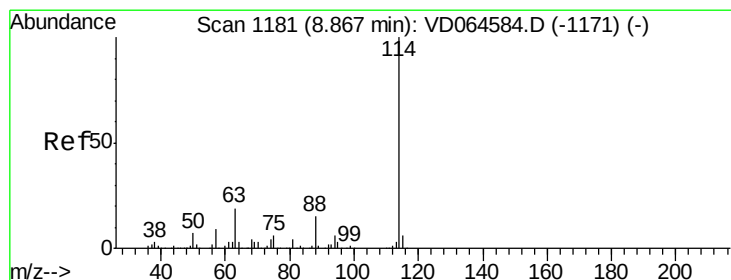
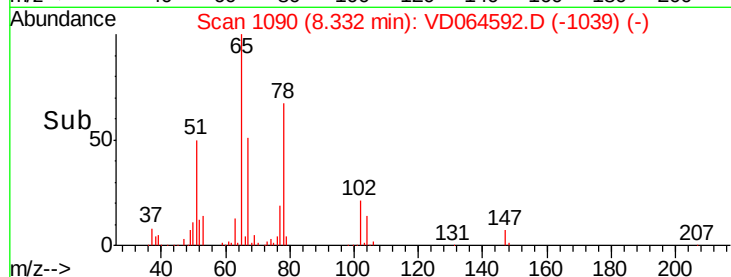
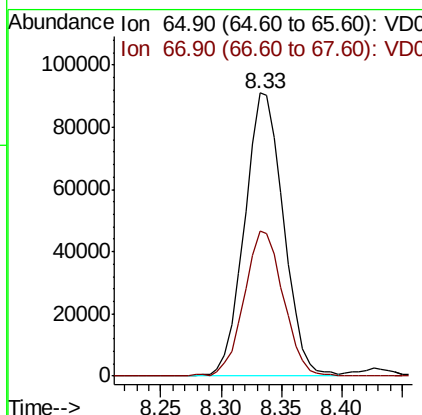
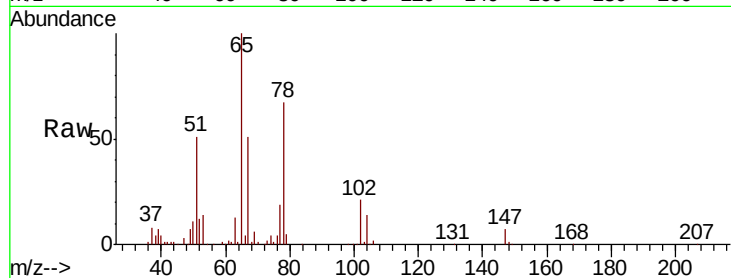




#33
 1,2-Dichloroethane-d4
 Concen: 51.008 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. 0.00 min
 Lab File: VD064592.D
 Acq: 26 Dec 2019 11:48

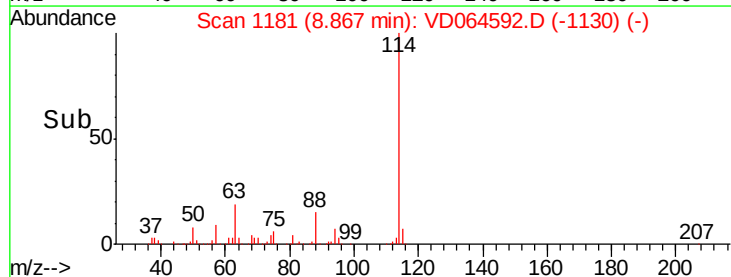
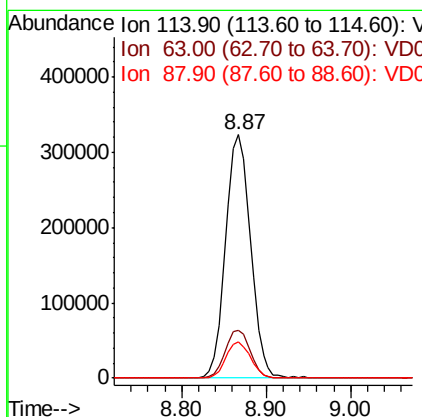
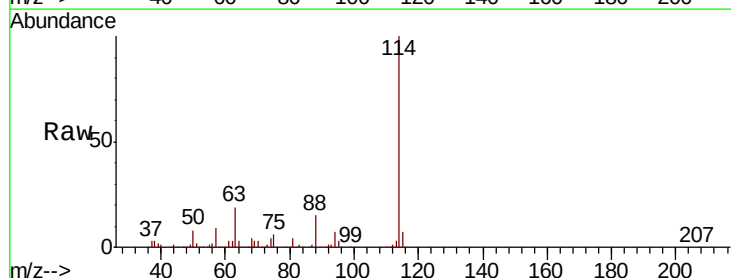
Instrument :
 MSVOA_D
 ClientSampled :

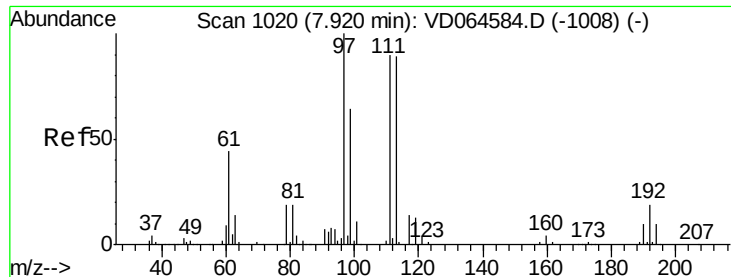
Tot Ion: 65 Resp: 204038
 Ion Ratio Lower Upper
 65 100
 67 51.7 0.0 106.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD064592.D
 Acq: 26 Dec 2019 11:48

Tgt Ion: 114 Resp: 659662
 Ion Ratio Lower Upper
 114 100
 63 19.5 0.0 38.0
 88 14.9 0.0 29.2

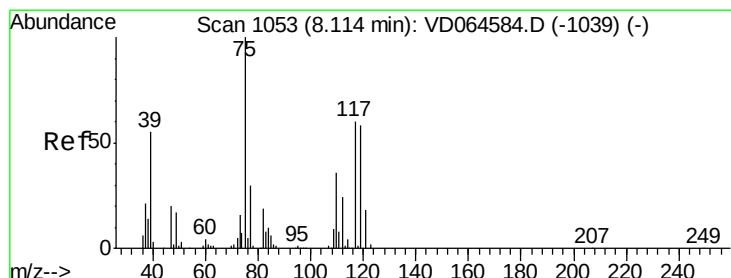
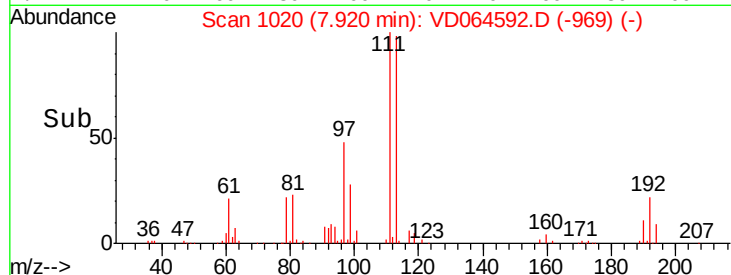
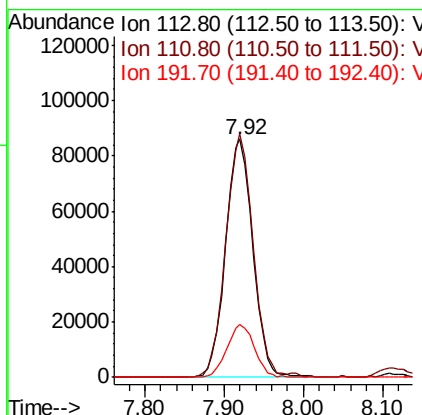
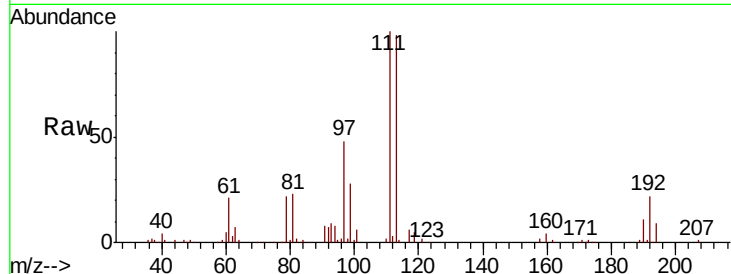




#35
 Dibromofluoromethane
 Concen: 50.690 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD064592.D
 Acq: 26 Dec 2019 11:48

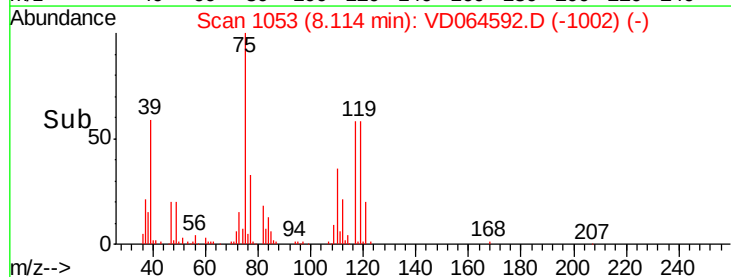
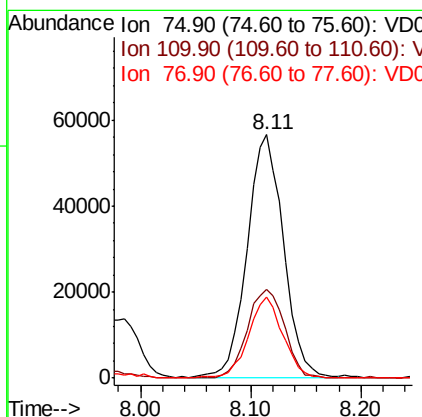
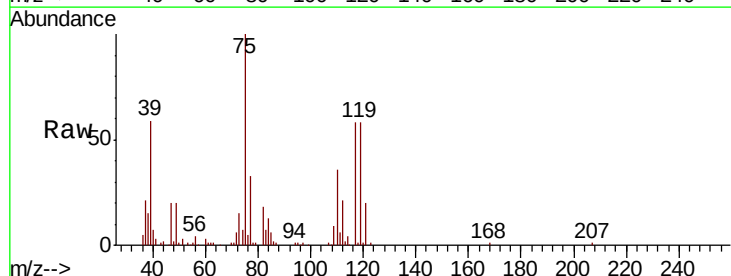
Instrument :
 MSVOA_D
 ClientSampleId :

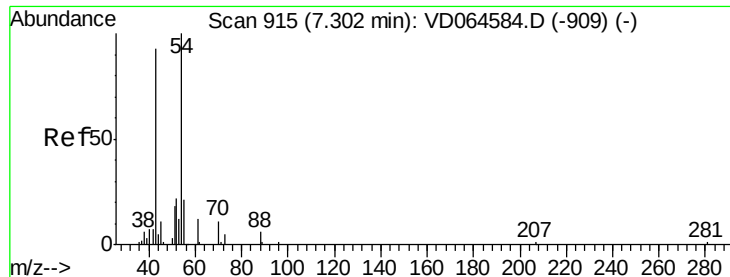
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.0	80.6	121.0
192	22.3	17.9	26.9



#36
 1,1-Dichloropropene
 Concen: 20.451 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. 0.00 min
 Lab File: VD064592.D
 Acq: 26 Dec 2019 11:48

Tgt Ion	Ratio	Lower	Upper
75	100		
110	37.6	18.1	54.1
77	31.9	24.2	36.4

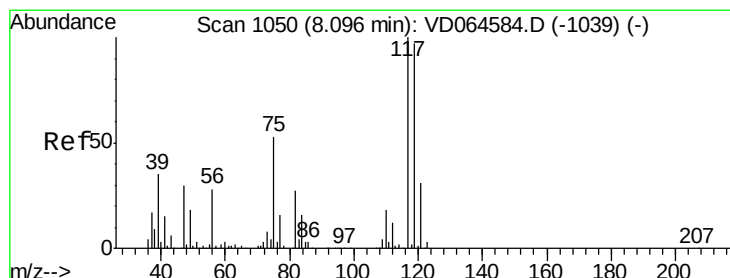
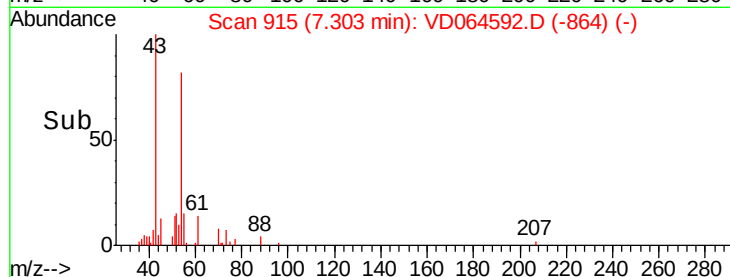
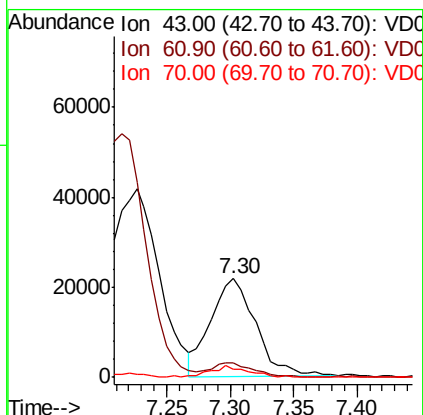
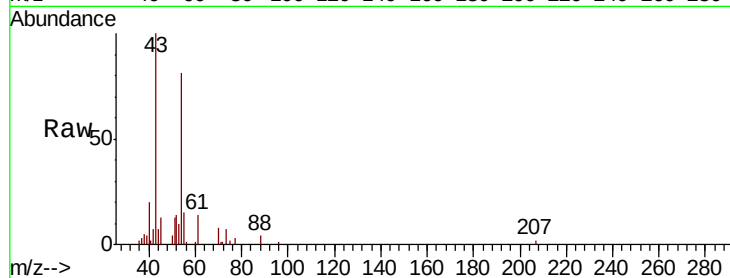




#37
Ethyl Acetate
Concen: 21.473 ug/l
RT: 7.30 min Scan# 915
Delta R.T. 0.00 min
Lab File: VD064592.D
Acq: 26 Dec 2019 11:48

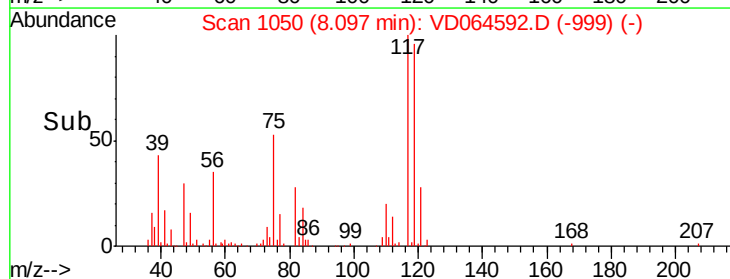
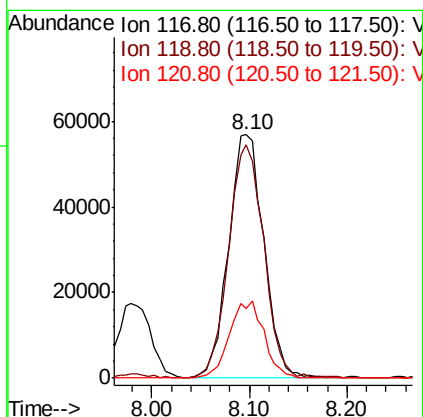
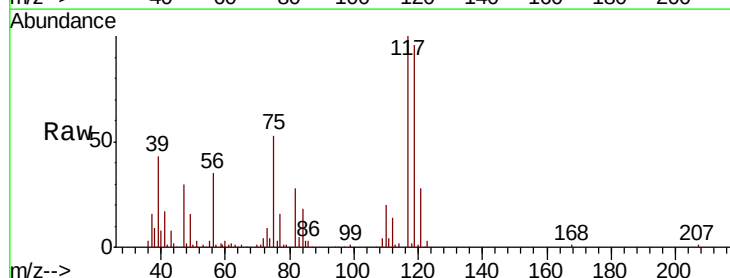
Instrument :
MSVOA_D
ClientSampleId :

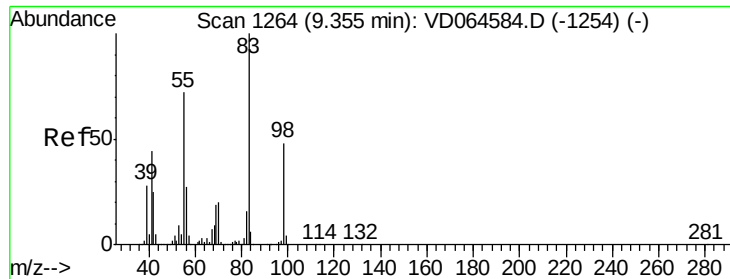
Tot Ion: 43 Resp: 53560
Ion Ratio Lower Upper
43 100
61 14.5 10.3 15.5
70 10.2 7.6 11.4



#38
Carbon Tetrachloride
Concen: 21.175 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VD064592.D
Acq: 26 Dec 2019 11:48

Tgt Ion: 117 Resp: 143355
Ion Ratio Lower Upper
117 100
119 96.1 77.3 115.9
121 28.5 25.0 37.6

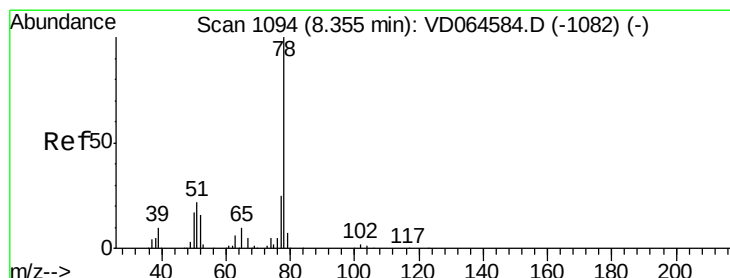
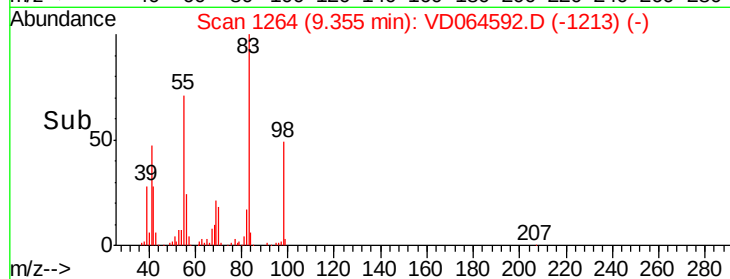
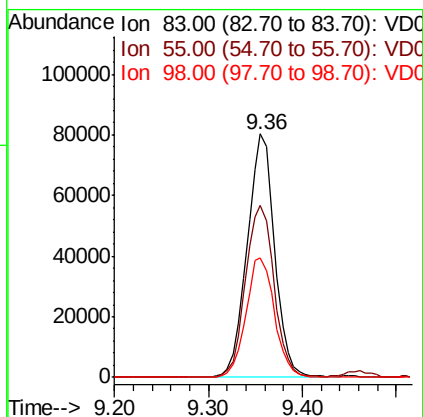
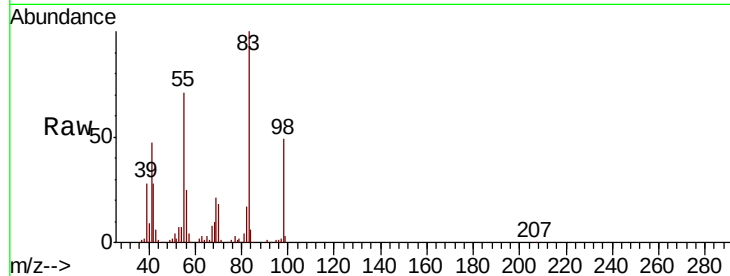




#39
Methylvlcyclohexane
Concen: 21.180 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD064592.D
Acq: 26 Dec 2019 11:48

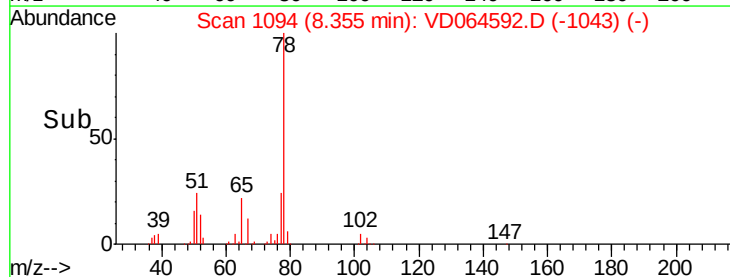
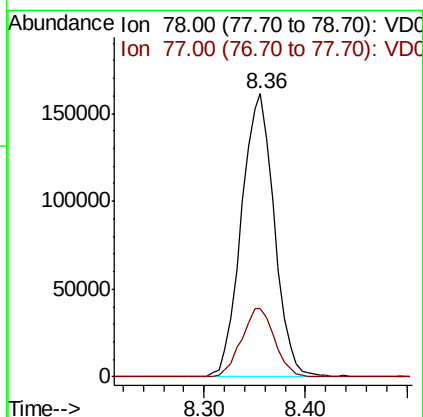
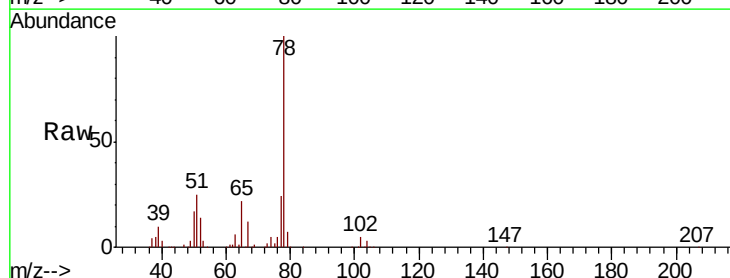
Instrument :
MSVOA_D
ClientSampled :

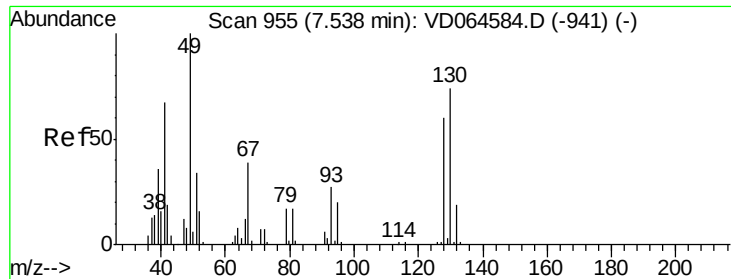
Tot Ion: 83 Resp: 162876
Ion Ratio Lower Upper
83 100
55 70.6 57.8 86.6
98 49.3 38.7 58.1



#40
Benzene
Concen: 20.858 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.00 min
Lab File: VD064592.D
Acq: 26 Dec 2019 11:48

Tgt Ion: 78 Resp: 361520
Ion Ratio Lower Upper
78 100
77 24.2 19.9 29.9

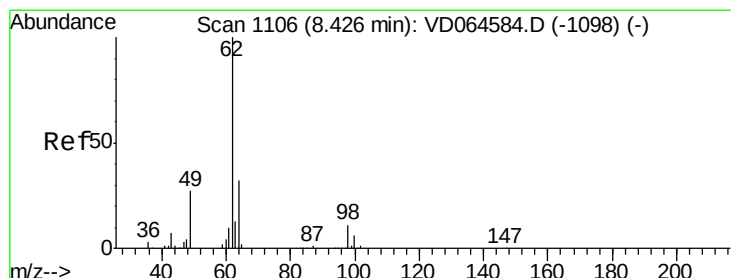
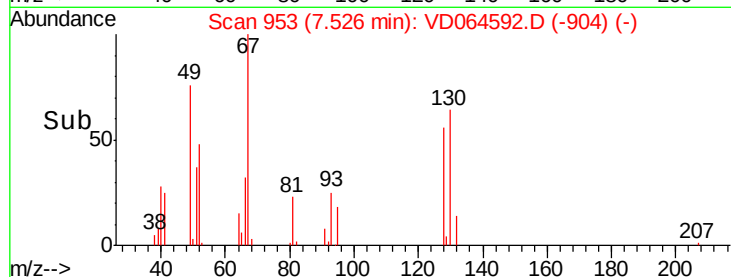
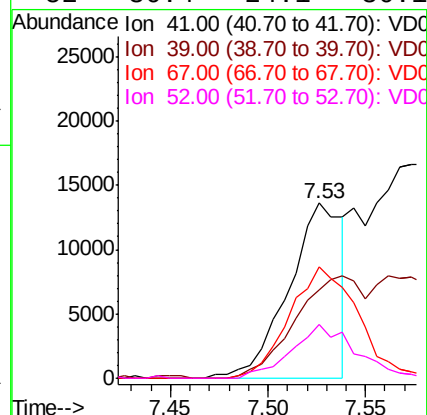
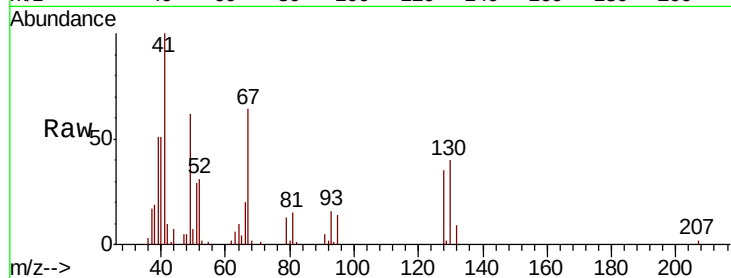




#41
Methacrylonitrile
Concen: 17.999 ug/l
RT: 7.53 min Scan# 953
Delta R.T. -0.01 min
Lab File: VD064592.D
Acq: 26 Dec 2019 11:48

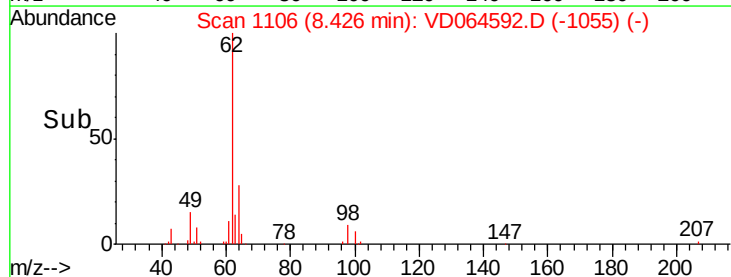
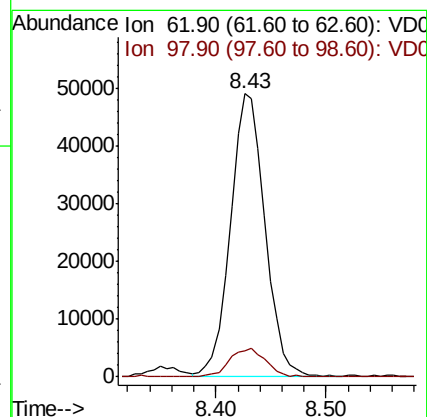
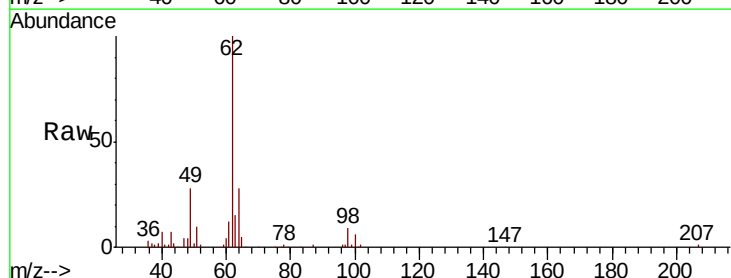
Instrument :
MSVOA_D
ClientSampleId :

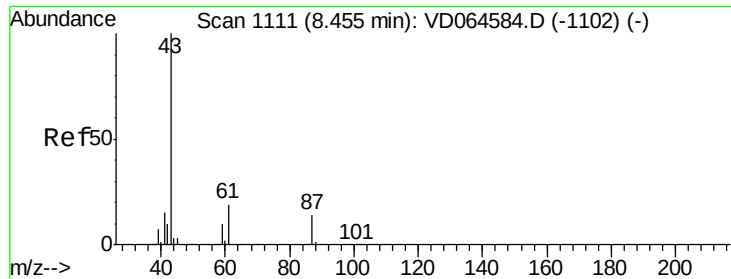
Tot Ion: 41 Resp: 26048
Ion Ratio Lower Upper
41 100
39 73.4 46.7 70.1#
67 81.0 52.5 78.7#
52 36.4 24.1 36.1#



#42
1,2-Dichloroethane
Concen: 21.464 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. 0.00 min
Lab File: VD064592.D
Acq: 26 Dec 2019 11:48

Tgt Ion: 62 Resp: 107505
Ion Ratio Lower Upper
62 100
98 10.5 0.0 20.0

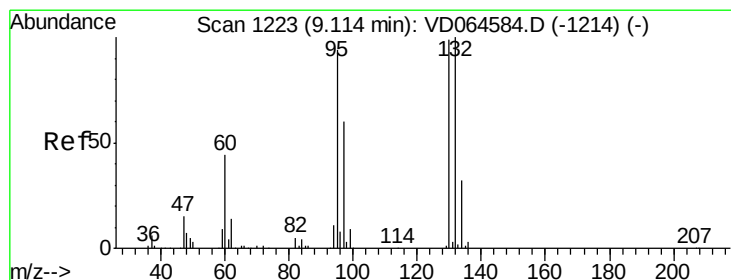
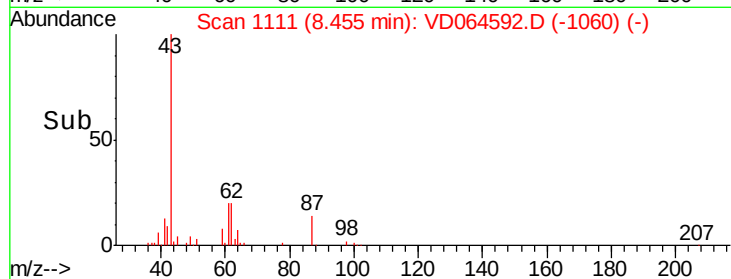
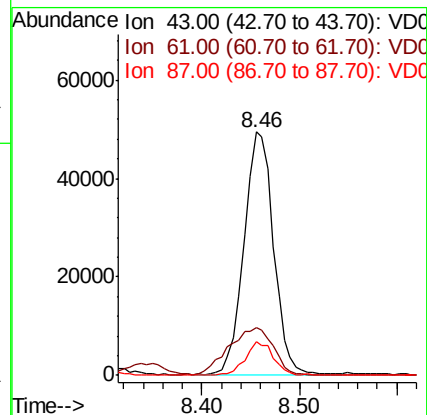
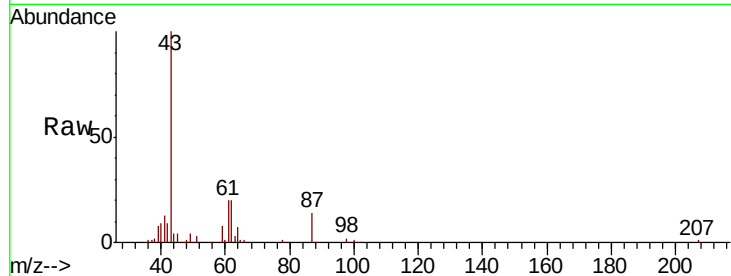




#43
Isopropyl Acetate
Concen: 21.149 ug/l
RT: 8.46 min Scan# 1111
Delta R.T. 0.00 min
Lab File: VD064592.D
Acq: 26 Dec 2019 11:48

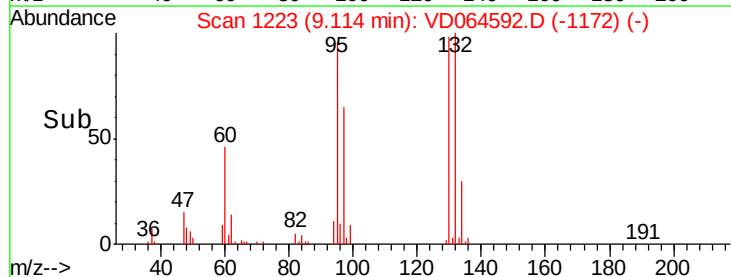
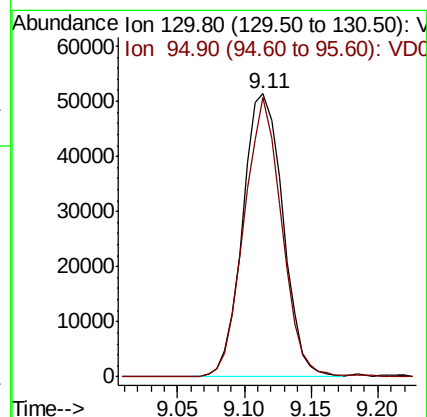
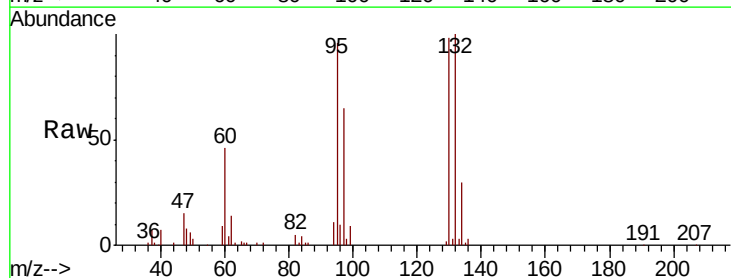
Instrument :
MSVOA_D
ClientSampleId :

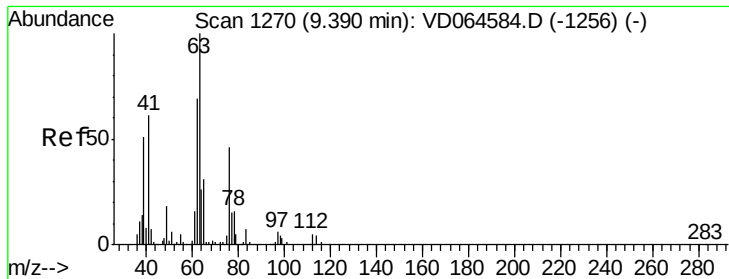
Tot Ion: 43 Resp: 104996
Ion Ratio Lower Upper
43 100
61 29.4 23.7 35.5
87 13.0 10.5 15.7



#44
Trichloroethene
Concen: 21.044 ug/l
RT: 9.11 min Scan# 1223
Delta R.T. 0.00 min
Lab File: VD064592.D
Acq: 26 Dec 2019 11:48

Tgt Ion:130 Resp: 107150
Ion Ratio Lower Upper
130 100
95 98.6 0.0 190.2

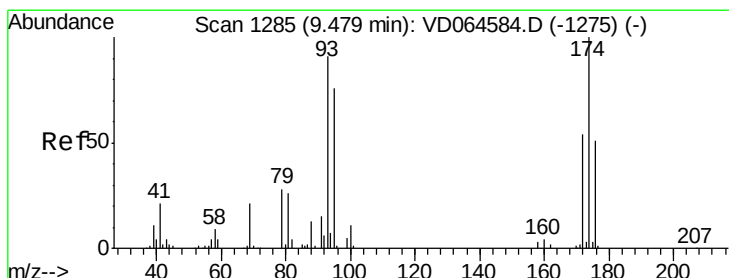
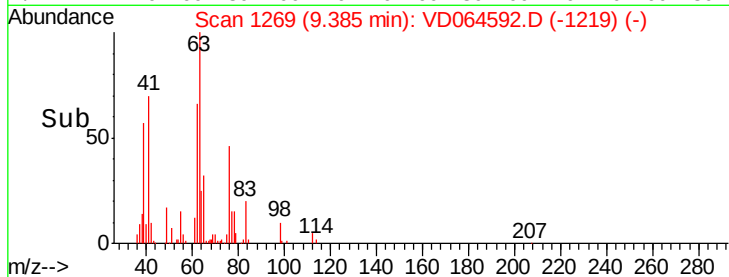
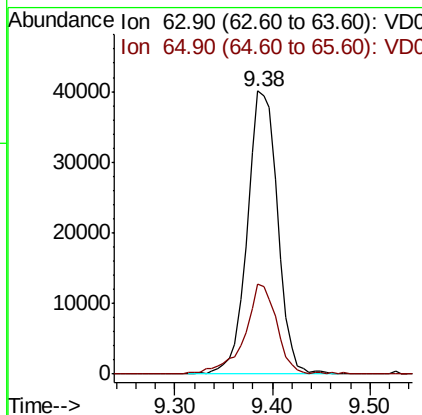
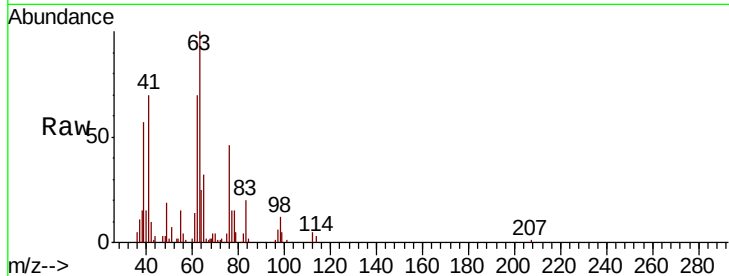




#45
 1,2-Dichloropropane
 Concen: 20.941 ug/l
 RT: 9.38 min Scan# 1269
 Delta R.T. -0.01 min
 Lab File: VD064592.D
 Acq: 26 Dec 2019 11:48

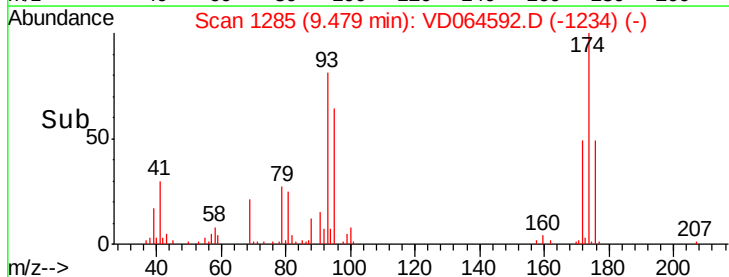
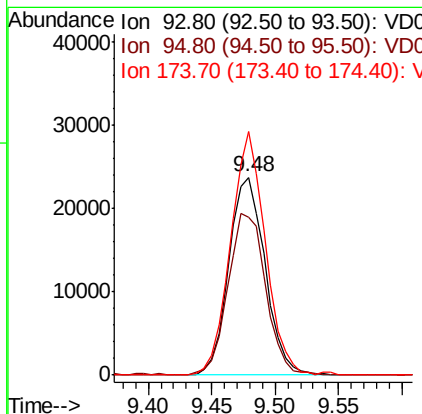
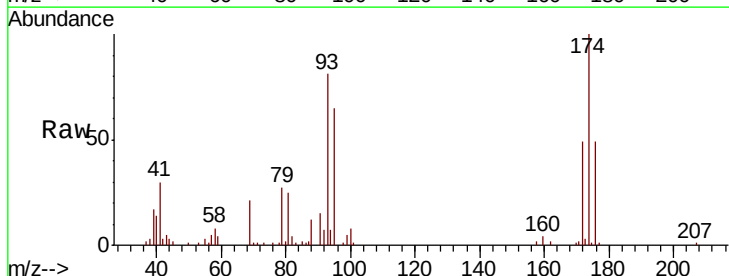
Instrument :
 MSVOA_D
 ClientSampleId :

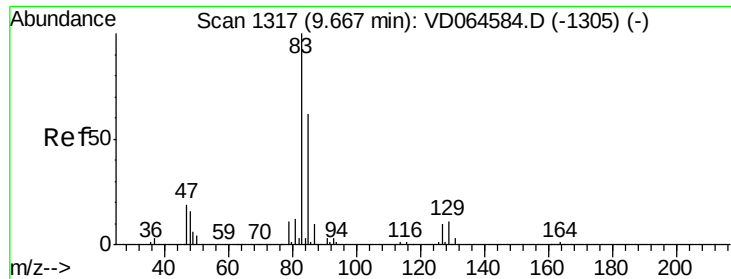
Tot Ion: 63 Resp: 86663
 Ion Ratio Lower Upper
 63 100
 65 31.8 25.2 37.8



#46
 Dibromomethane
 Concen: 20.333 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. 0.00 min
 Lab File: VD064592.D
 Acq: 26 Dec 2019 11:48

Tgt Ion: 93 Resp: 46914
 Ion Ratio Lower Upper
 93 100
 95 84.6 64.6 97.0
 174 117.4 88.1 132.1

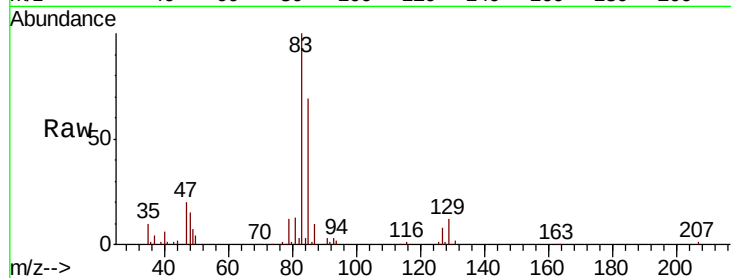




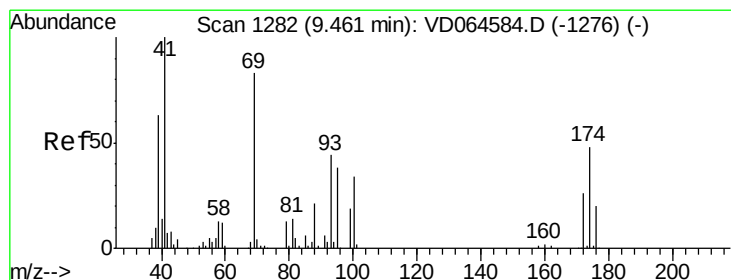
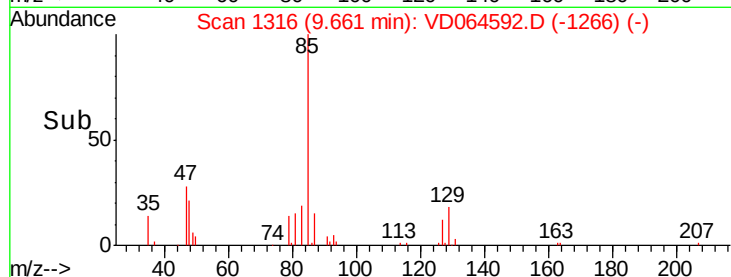
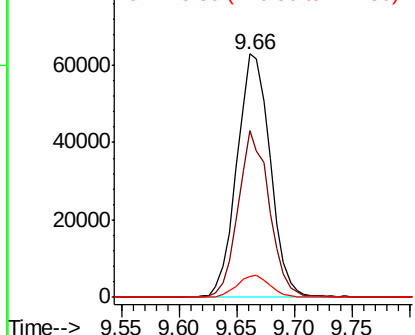
#47
Bromodichloromethane
Concen: 20.517 ug/l
RT: 9.66 min Scan# 1316
Delta R.T. -0.01 min
Lab File: VD064592.D
Acq: 26 Dec 2019 11:48

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 83 Resp: 125969
Ion Ratio Lower Upper
83 100
85 68.8 49.5 74.3
127 8.5 7.8 11.6

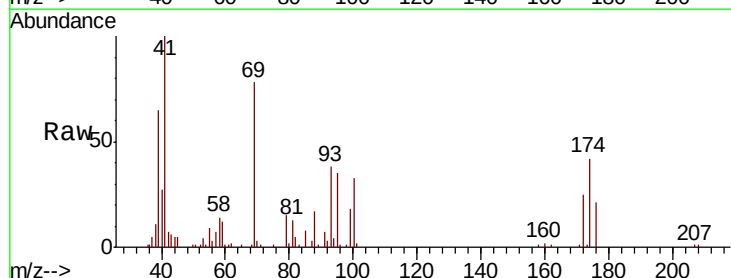


Abundance Ion 82.90 (82.60 to 83.60): VDC
Ion 84.90 (84.60 to 85.60): VDC
Ion 126.80 (126.50 to 127.50): VDC

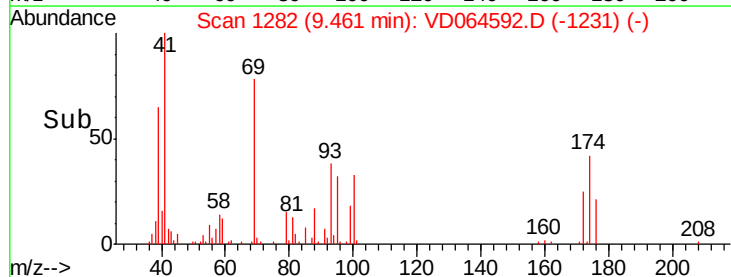
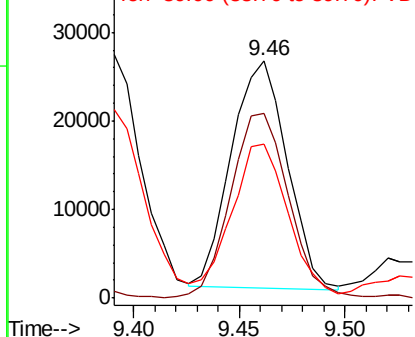


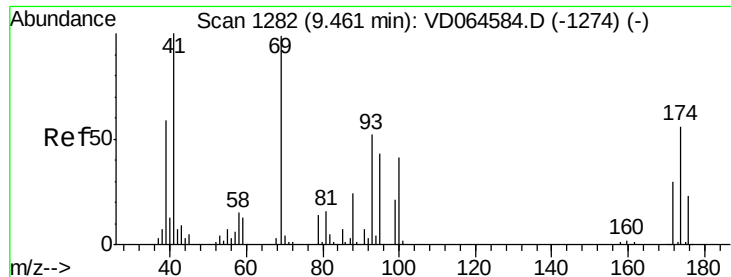
#48
Methyl methacrylate
Concen: 20.110 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. 0.00 min
Lab File: VD064592.D
Acq: 26 Dec 2019 11:48

Tgt Ion: 41 Resp: 47011
Ion Ratio Lower Upper
41 100
69 85.3 63.0 94.6
39 65.5 47.4 71.2



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

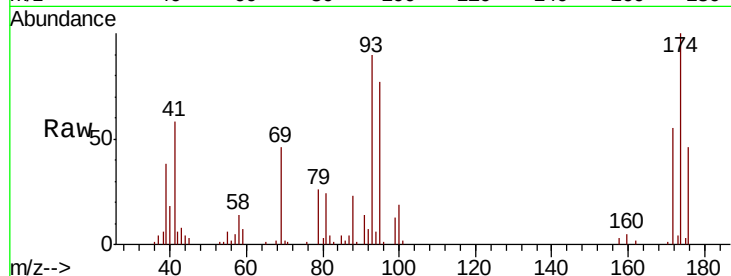




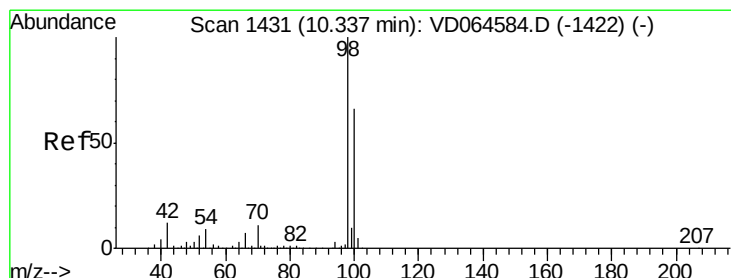
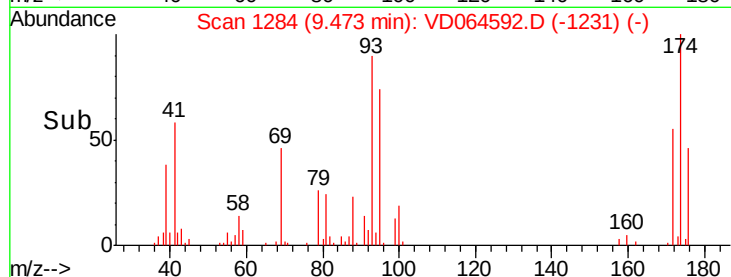
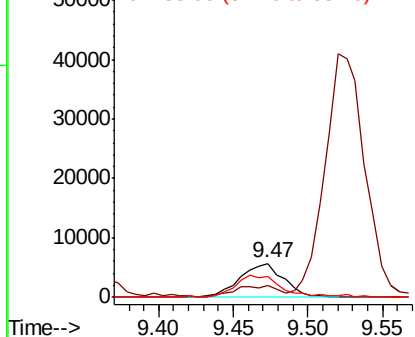
#49
1,4-Dioxane
Concen: 432.554 ug/l
RT: 9.47 min Scan# 1284
Delta R.T. 0.01 min
Lab File: VD064592.D
Acq: 26 Dec 2019 11:48

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 88 Resp: 11508
Ion Ratio Lower Upper
88 100
43 34.9 27.7 41.5
58 71.0 53.8 80.6

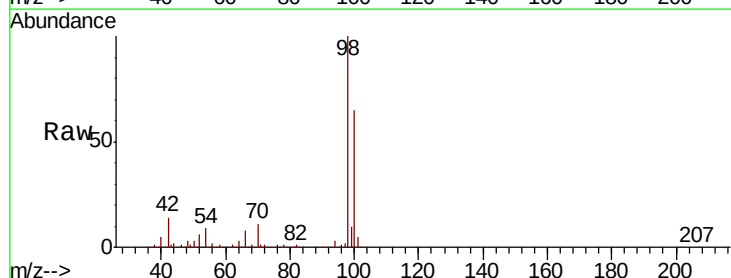


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.00 (42.70 to 43.70): VDC
Ion 58.00 (57.70 to 58.70): VDC

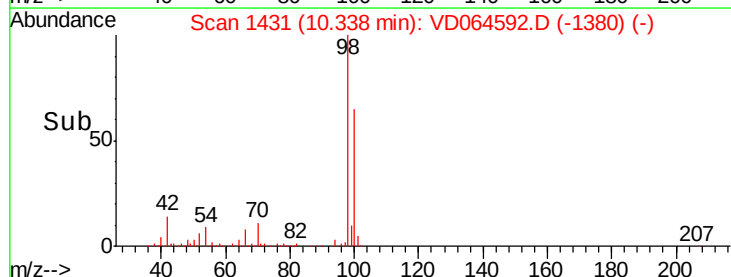
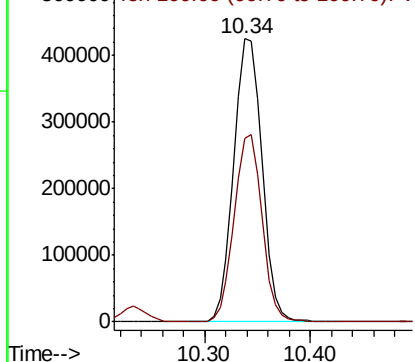


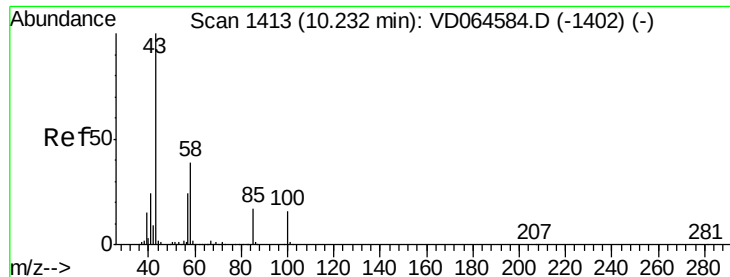
#50
Toluene-d8
Concen: 51.025 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. 0.00 min
Lab File: VD064592.D
Acq: 26 Dec 2019 11:48

Tgt Ion: 98 Resp: 790894
Ion Ratio Lower Upper
98 100
100 65.2 51.7 77.5



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

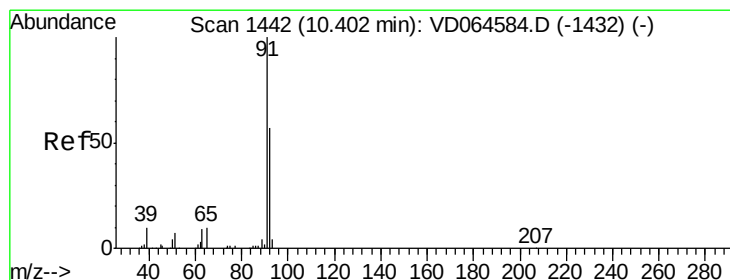
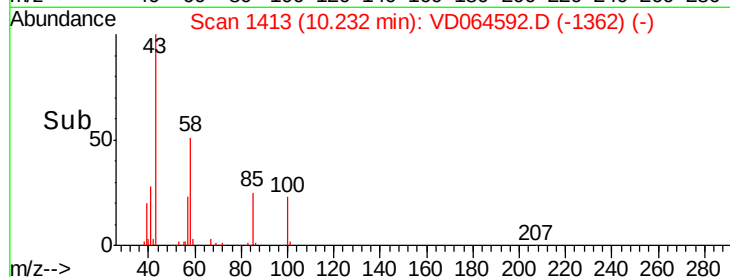
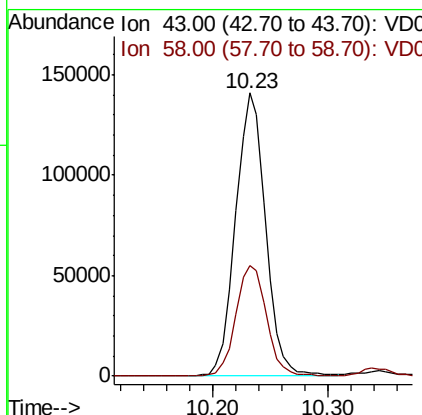
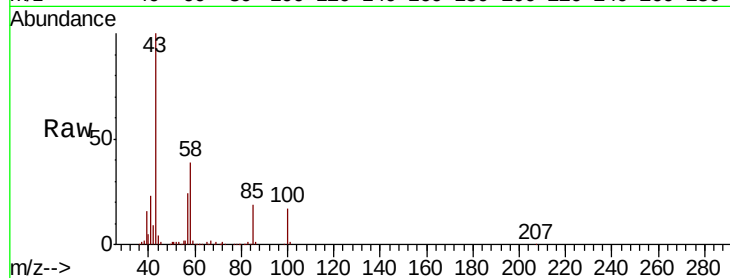




#51
4-Methyl-2-Pentanone
Concen: 103.424 ug/l
RT: 10.23 min Scan# 1413
Delta R.T. 0.00 min
Lab File: VD064592.D
Acq: 26 Dec 2019 11:48

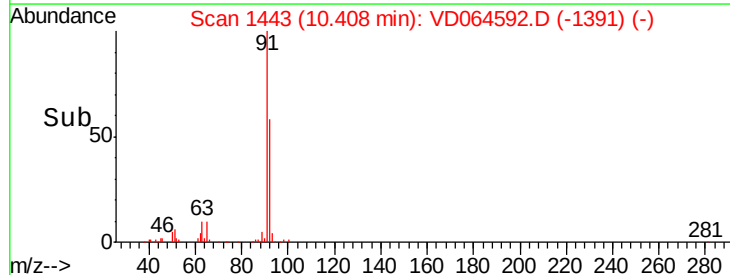
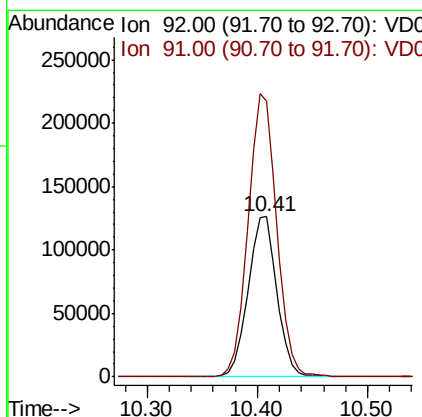
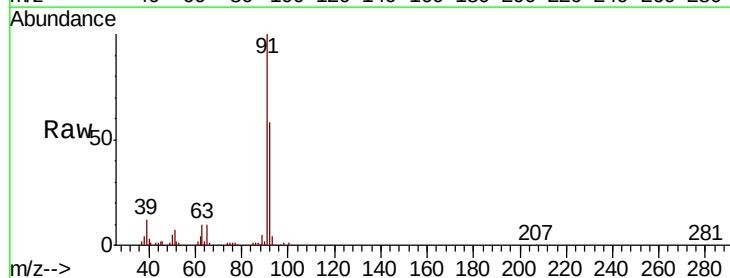
Instrument :
MSVOA_D
ClientSampled :

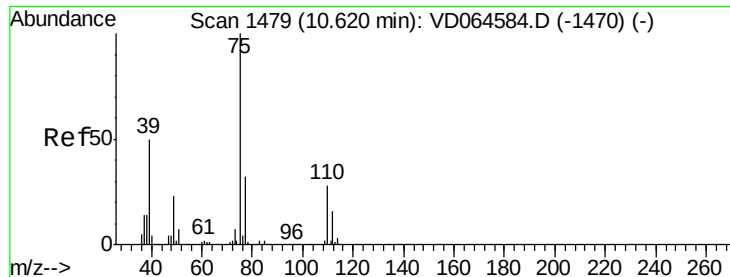
Tot Ion: 43 Resp: 253797
Ion Ratio Lower Upper
43 100
58 39.7 30.2 45.2



#52
Toluene
Concen: 20.330 ug/l
RT: 10.41 min Scan# 1443
Delta R.T. 0.01 min
Lab File: VD064592.D
Acq: 26 Dec 2019 11:48

Tgt Ion: 92 Resp: 231183
Ion Ratio Lower Upper
92 100
91 175.3 138.7 208.1





#53

t-1,3-Dichloropropene

Concen: 20.923 ug/l

RT: 10.62 min Scan# 1479

Delta R.T. 0.00 min

Lab File: VD064592.D

Acq: 26 Dec 2019 11:48

Instrument :

MSVOA_D

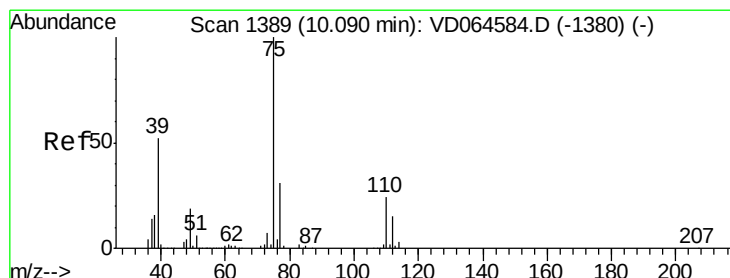
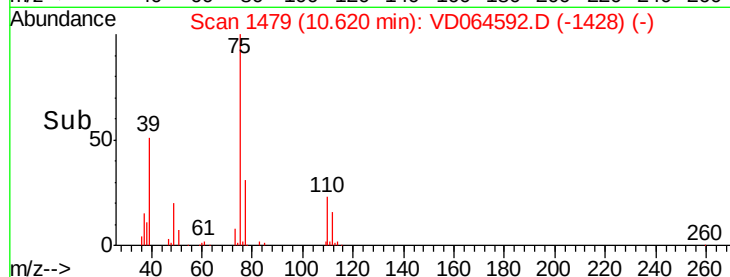
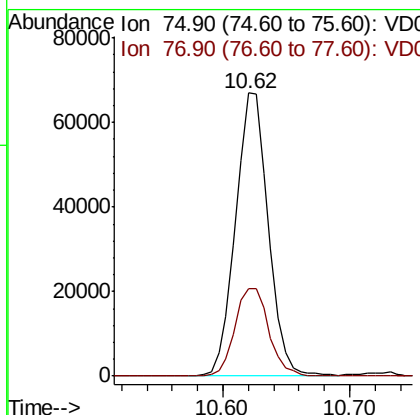
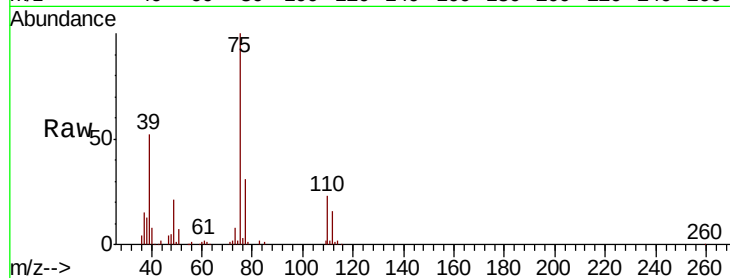
ClientSampleId :

Tot Ion: 75 Resp: 119764

Ion Ratio Lower Upper

75 100

77 31.1 25.4 38.2



#54

cis-1,3-Dichloropropene

Concen: 20.915 ug/l

RT: 10.09 min Scan# 1389

Delta R.T. 0.00 min

Lab File: VD064592.D

Acq: 26 Dec 2019 11:48

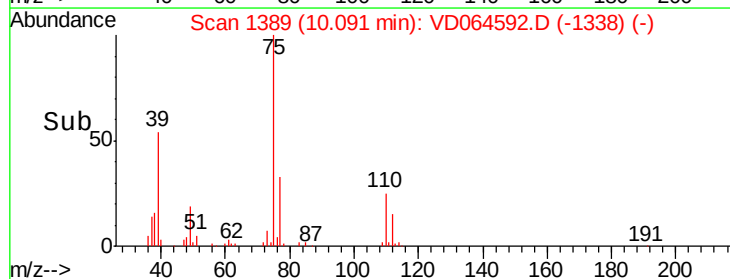
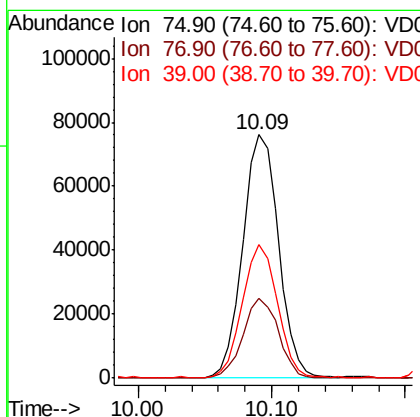
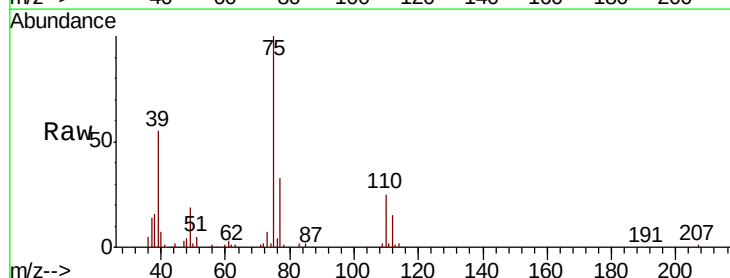
Tgt Ion: 75 Resp: 141165

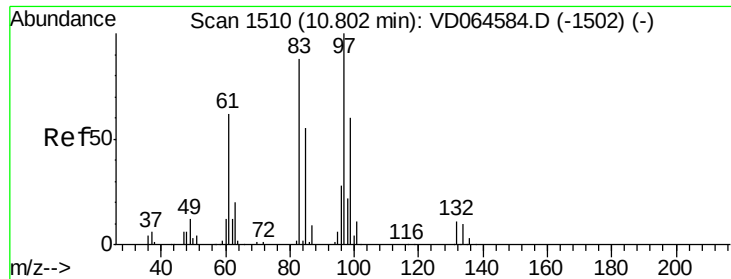
Ion Ratio Lower Upper

75 100

77 32.9 24.6 36.8

39 54.6 41.4 62.2

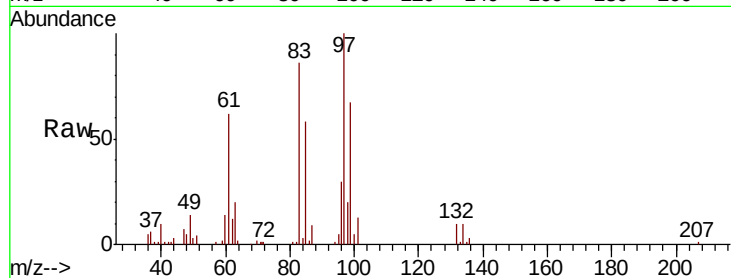




#55
 1,1,2-Trichloroethane
 Concen: 21.118 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. 0.00 min
 Lab File: VD064592.D
 Acq: 26 Dec 2019 11:48

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	97	Resp	65667
Ion	Ratio	Lower	Upper
97	100		
83	85.8	70.2	105.4
85	58.3	44.0	66.0
99	67.2	47.8	71.6



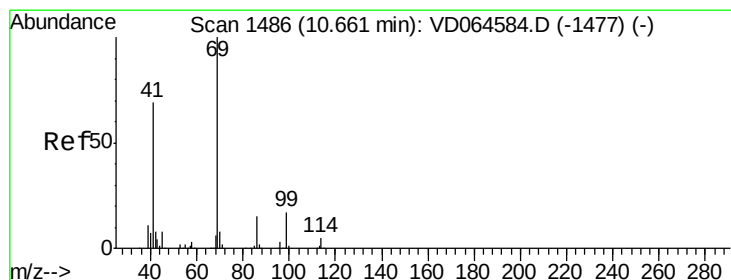
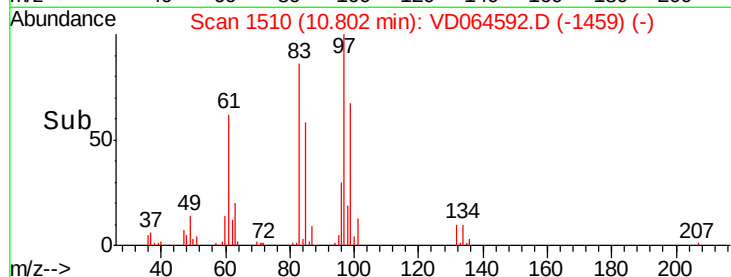
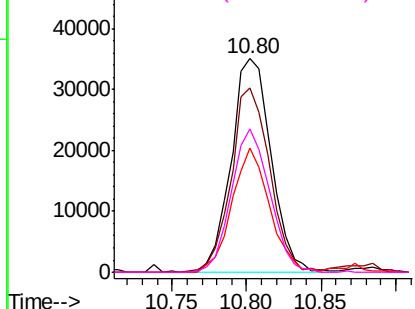
Abundance

Ion 96.90 (96.60 to 97.60): VDC

Ion 82.90 (82.60 to 83.60): VDC

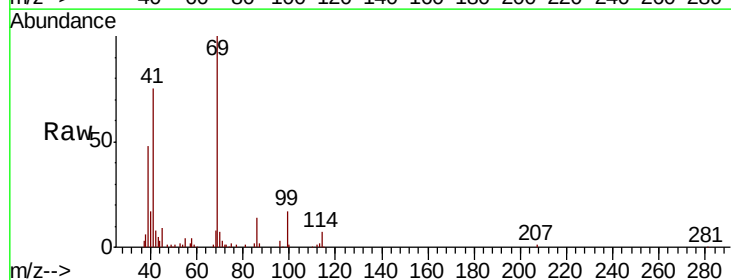
Ion 84.90 (84.60 to 85.60): VDC

Ion 98.90 (98.60 to 99.60): VDC



#56
 Ethyl methacrylate
 Concen: 20.507 ug/l
 RT: 10.66 min Scan# 1486
 Delta R.T. 0.00 min
 Lab File: VD064592.D
 Acq: 26 Dec 2019 11:48

Tgt Ion	69	Resp	79635
Ion	Ratio	Lower	Upper
69	100		
41	70.1	55.3	82.9
39	44.1	33.8	50.8

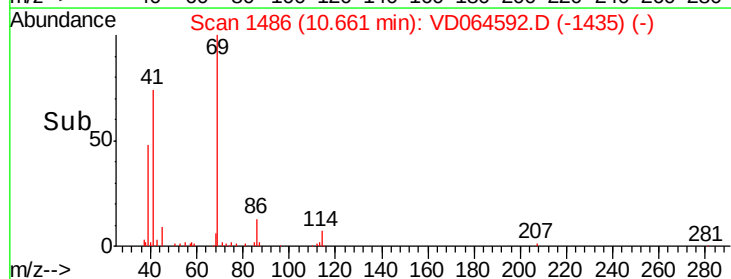
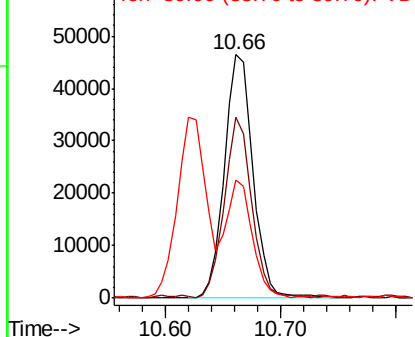


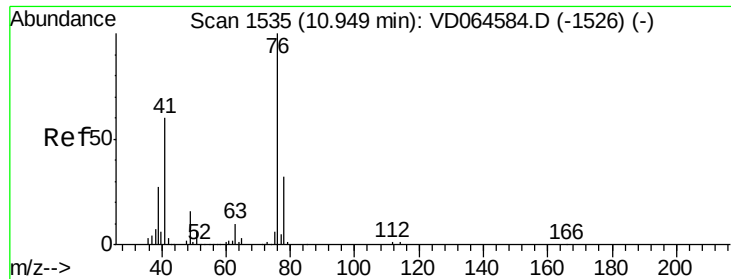
Abundance

Ion 69.00 (68.70 to 69.70): VDC

Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC





#57

1,3-Dichloropropane

Concen: 20.948 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. 0.00 min

Lab File: VD064592.D

Acq: 26 Dec 2019 11:48

Instrument :

MSVOA_D

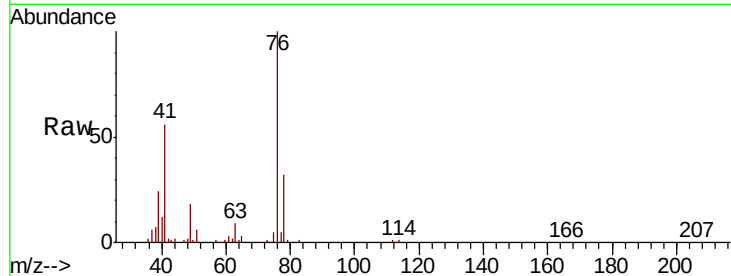
ClientSampleId :

Tot Ion: 76 Resp: 112155

Ion Ratio Lower Upper

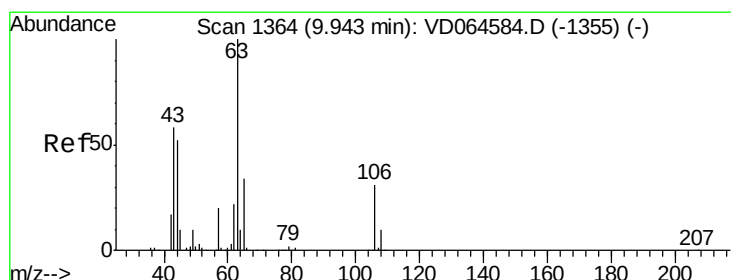
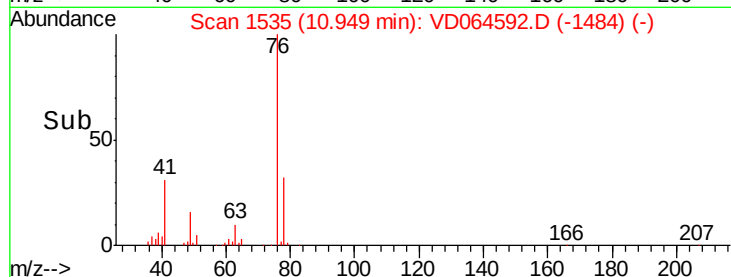
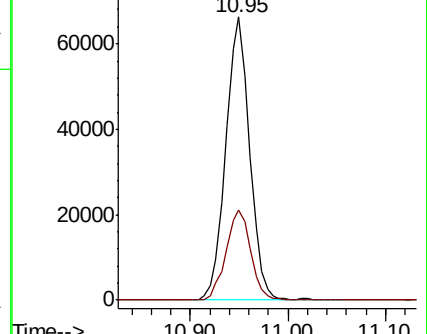
76 100

78 32.9 26.2 39.4



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 105.224 ug/l

RT: 9.94 min Scan# 1364

Delta R.T. 0.00 min

Lab File: VD064592.D

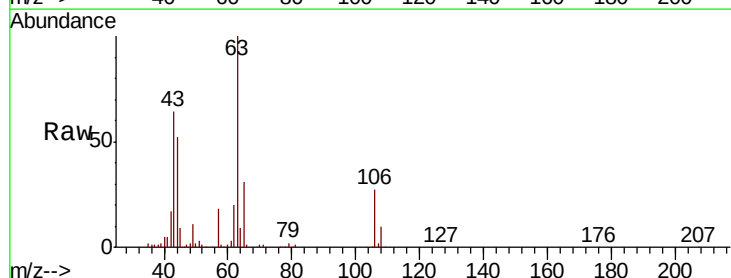
Acq: 26 Dec 2019 11:48

Tgt Ion: 63 Resp: 155681

Ion Ratio Lower Upper

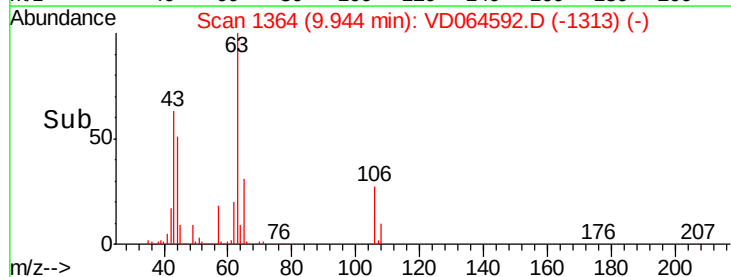
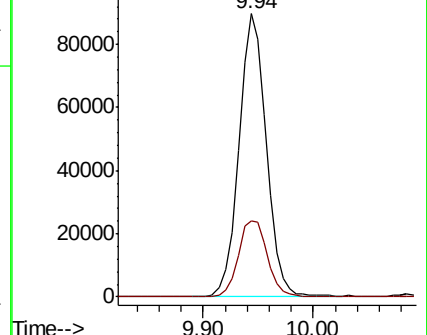
63 100

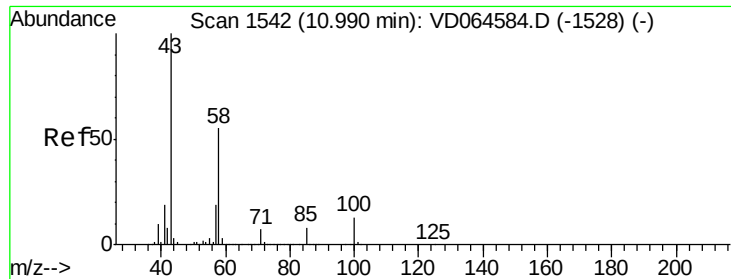
106 28.7 23.8 35.8



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 105.90 (105.60 to 106.60): VDC

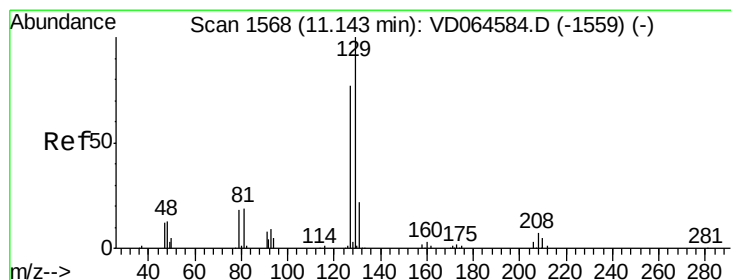
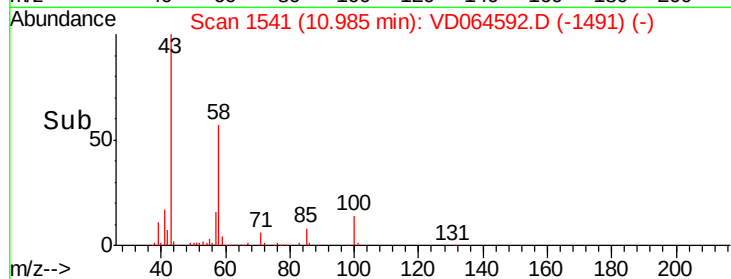
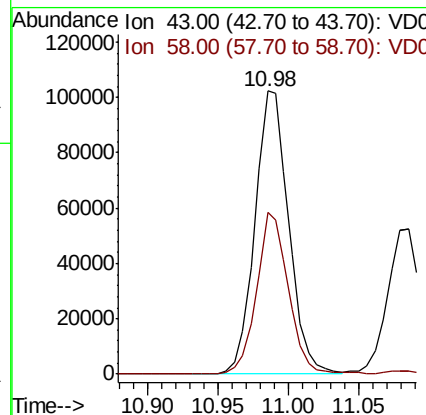
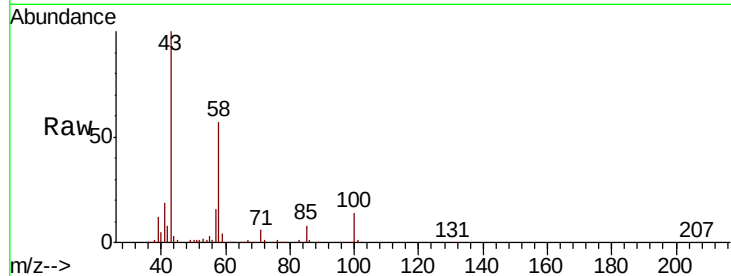




#59
2-Hexanone
Concen: 103.529 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. -0.01 min
Lab File: VD064592.D
Acq: 26 Dec 2019 11:48

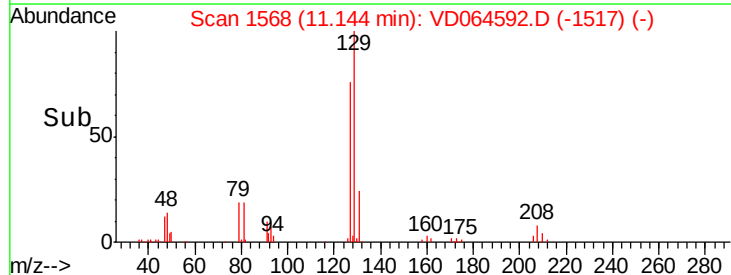
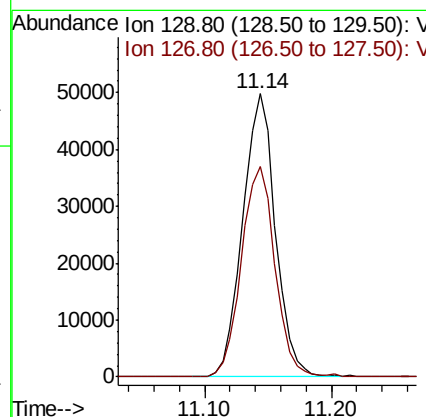
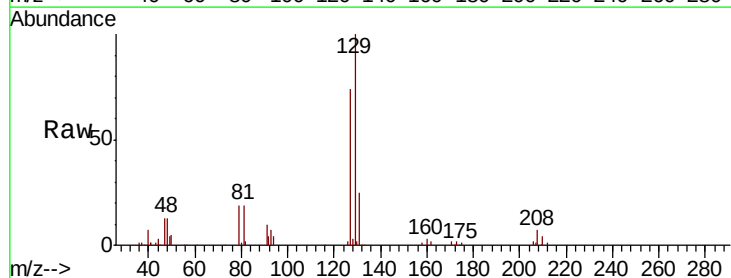
Instrument :
MSVOA_D
ClientSampled :

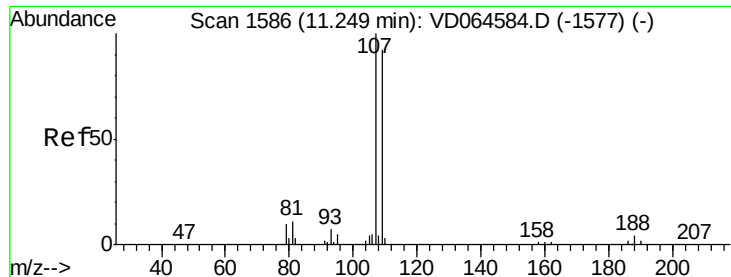
Tot Ion: 43 Resp: 172432
Ion Ratio Lower Upper
43 100
58 53.7 26.4 79.0



#60
Dibromochloromethane
Concen: 20.696 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD064592.D
Acq: 26 Dec 2019 11:48

Tgt Ion:129 Resp: 88992
Ion Ratio Lower Upper
129 100
127 76.4 38.4 115.2

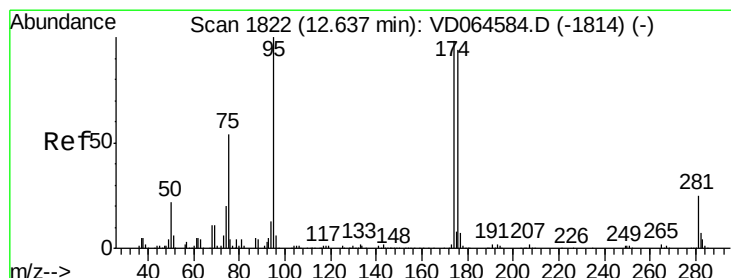
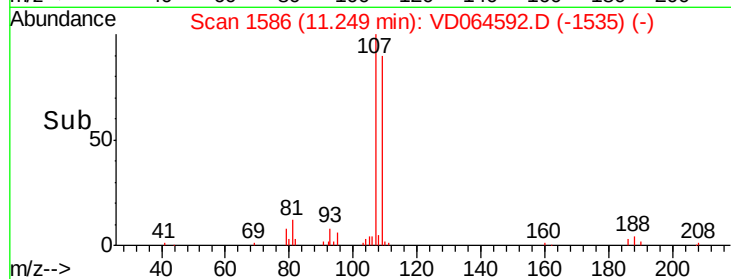
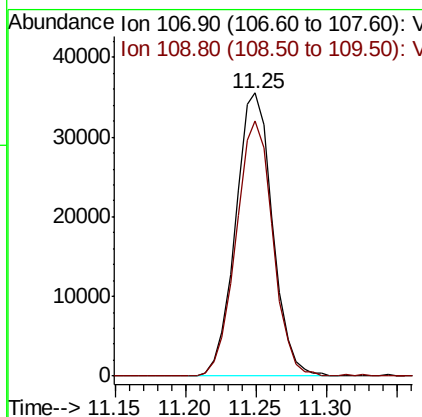
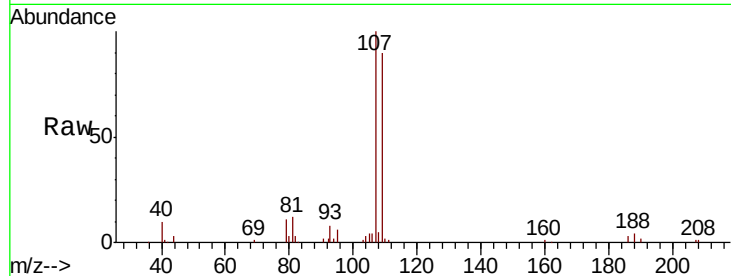




#61
 1,2-Dibromoethane
 Concen: 21.129 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD064592.D
 Acq: 26 Dec 2019 11:48

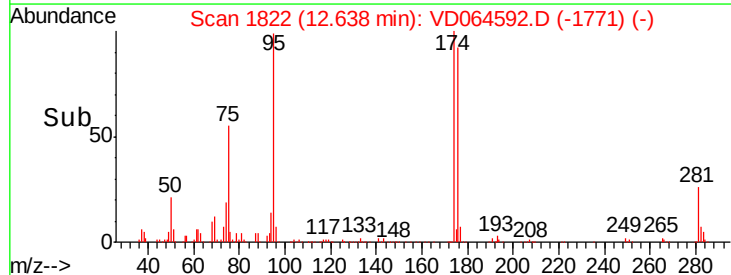
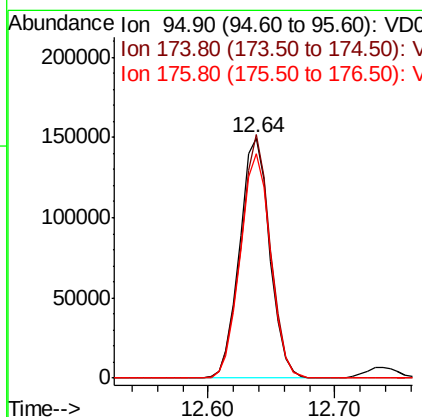
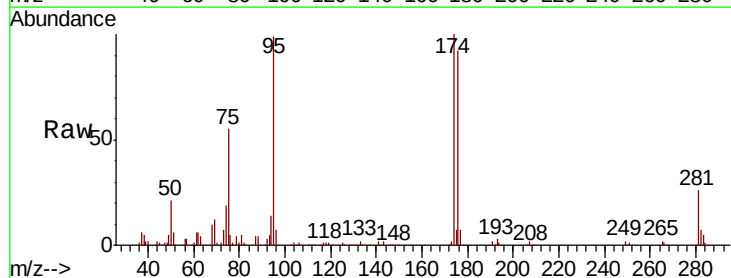
Instrument :
 MSVOA_D
 ClientSampleId :

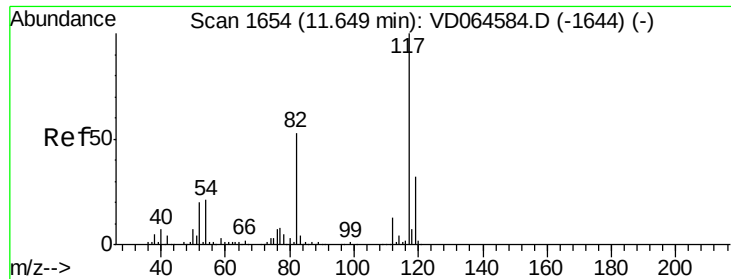
Tot Ion: 107 Resp: 64802
 Ion Ratio Lower Upper
 107 100
 109 89.6 75.6 113.4



#62
 4-Bromofluorobenzene
 Concen: 50.103 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD064592.D
 Acq: 26 Dec 2019 11:48

Tgt Ion: 95 Resp: 245571
 Ion Ratio Lower Upper
 95 100
 174 99.6 0.0 193.2
 176 94.6 0.0 184.2

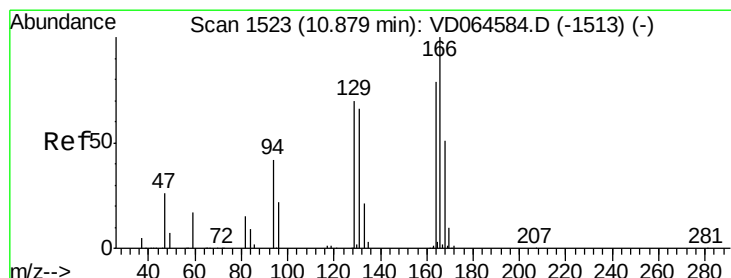
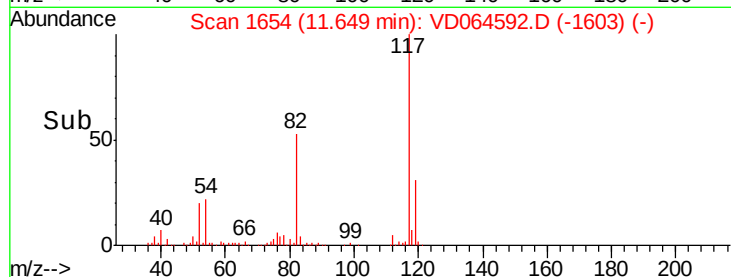
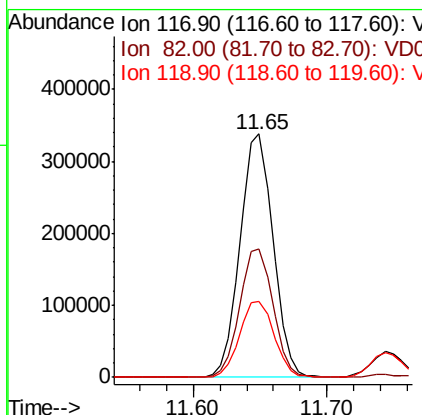
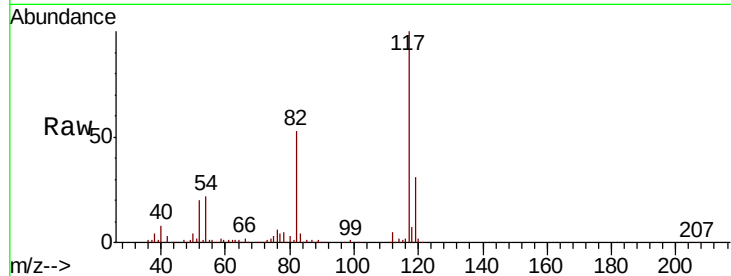




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD064592.D
Acq: 26 Dec 2019 11:48

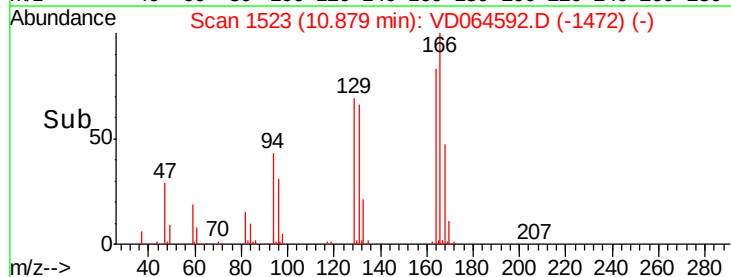
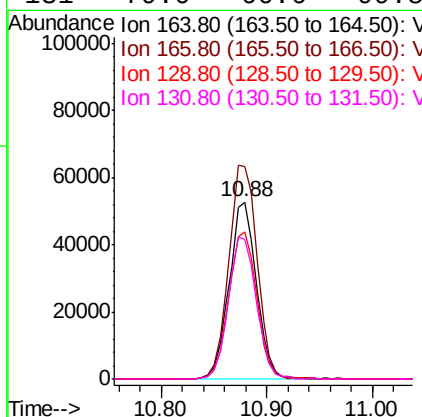
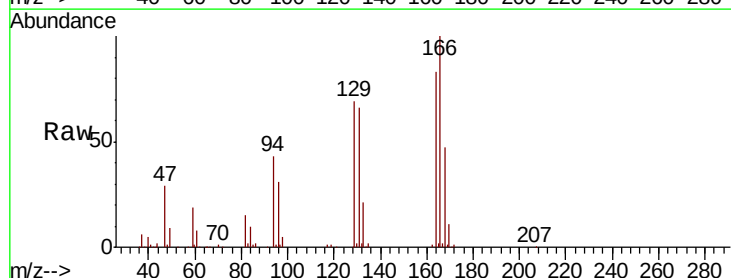
Instrument :
MSVOA_D
ClientSampleId :

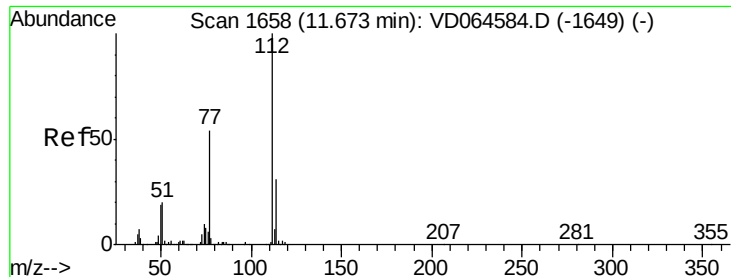
Tot Ion:117 Resp: 581141
Ion Ratio Lower Upper
117 100
82 52.8 42.2 63.4
119 31.4 26.0 39.0



#64
Tetrachloroethene
Concen: 20.901 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD064592.D
Acq: 26 Dec 2019 11:48

Tgt Ion:164 Resp: 93187
Ion Ratio Lower Upper
164 100
166 120.6 101.3 151.9
129 82.9 70.5 105.7
131 79.0 66.6 99.8

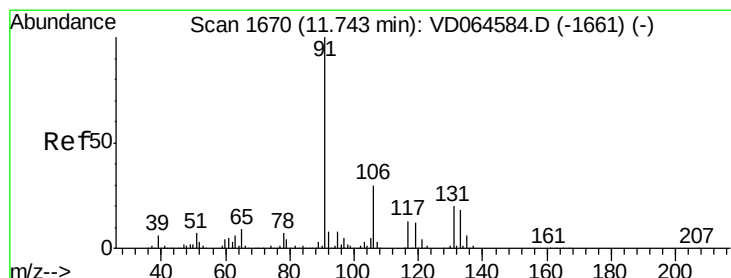
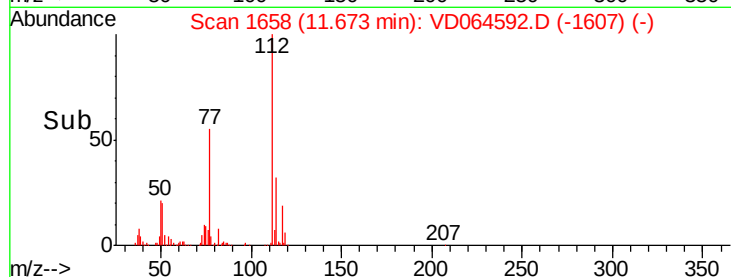
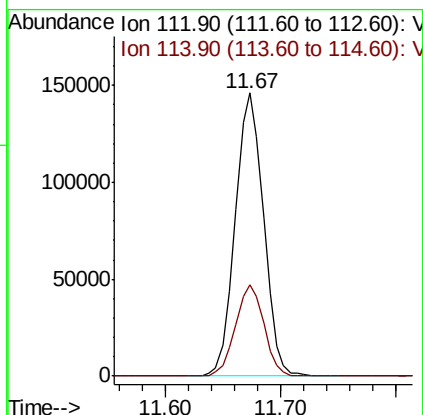
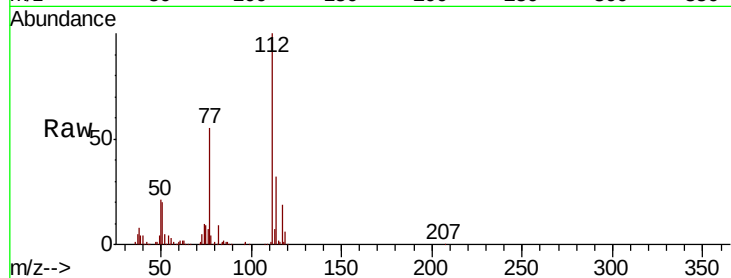




#65
Chlorobenzene
Concen: 20.591 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD064592.D
Acq: 26 Dec 2019 11:48

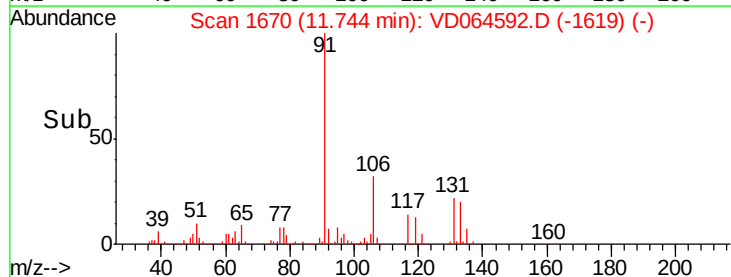
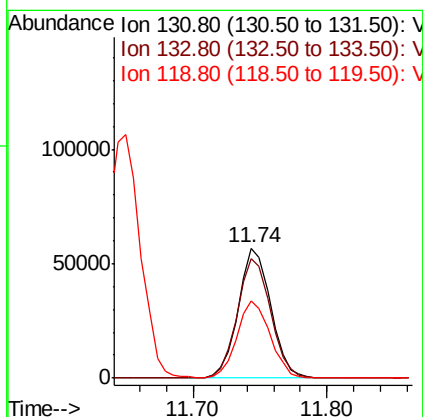
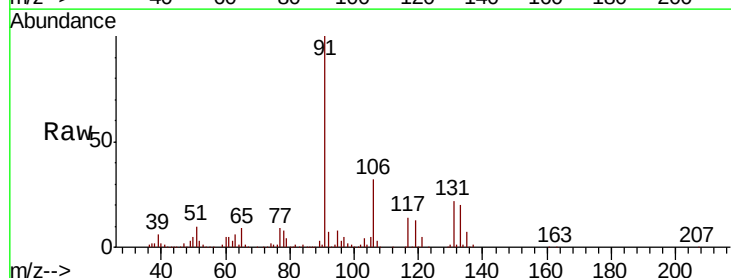
Instrument :
MSVOA_D
ClientSampleId :

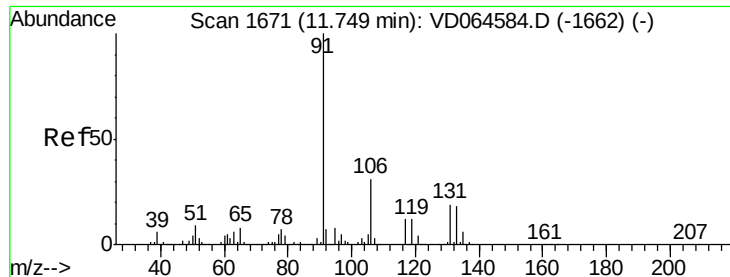
Tot Ion:112 Resp: 248358
Ion Ratio Lower Upper
112 100
114 32.3 24.8 37.2



#66
1,1,1,2-Tetrachloroethane
Concen: 21.104 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VD064592.D
Acq: 26 Dec 2019 11:48

Tgt Ion:131 Resp: 95962
Ion Ratio Lower Upper
131 100
133 94.6 48.3 144.8
119 60.9 32.1 96.3





#67

Ethyl Benzene

Concen: 20.511 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD064592.D

Acq: 26 Dec 2019 11:48

Instrument :

MSVOA_D

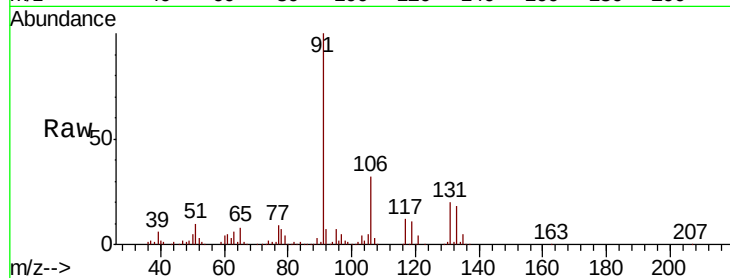
ClientSampled :

Tot Ion: 91 Resp: 449032

Ion Ratio Lower Upper

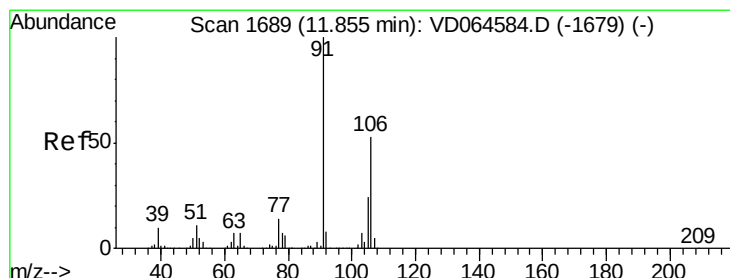
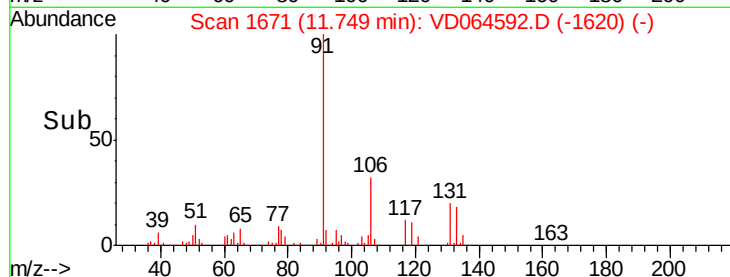
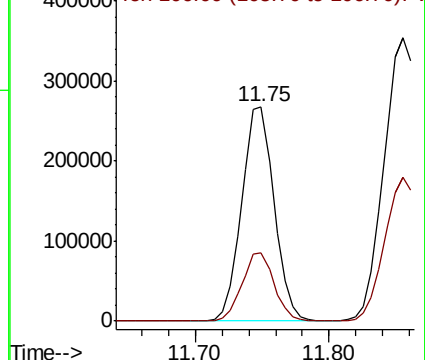
91 100

106 31.7 24.6 36.8



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 106.00 (105.70 to 106.70): VDC



#68

m/p-Xylenes

Concen: 40.643 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. 0.00 min

Lab File: VD064592.D

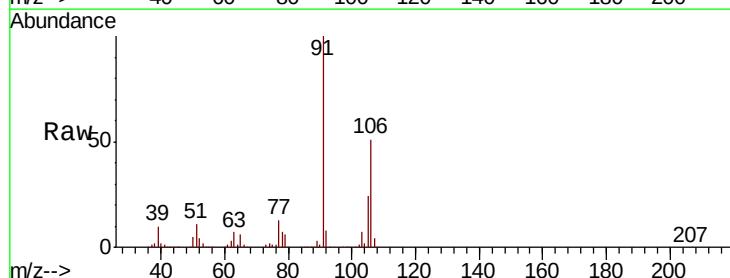
Acq: 26 Dec 2019 11:48

Tgt Ion: 106 Resp: 343436

Ion Ratio Lower Upper

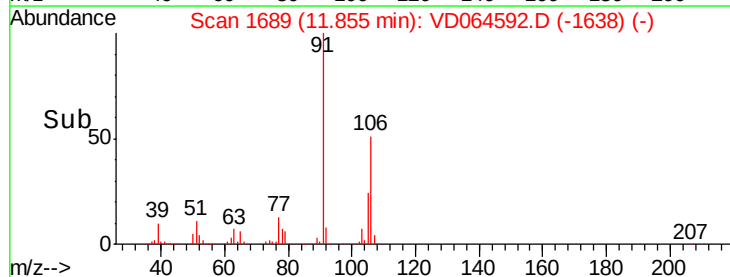
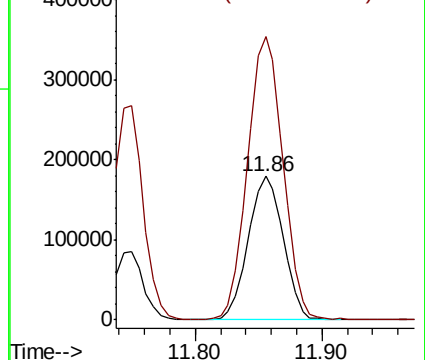
106 100

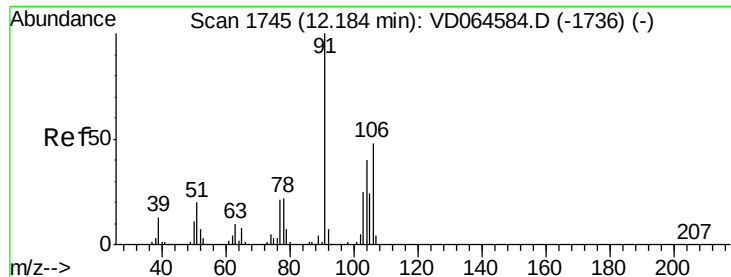
91 200.0 156.3 234.5



Abundance Ion 106.00 (105.70 to 106.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

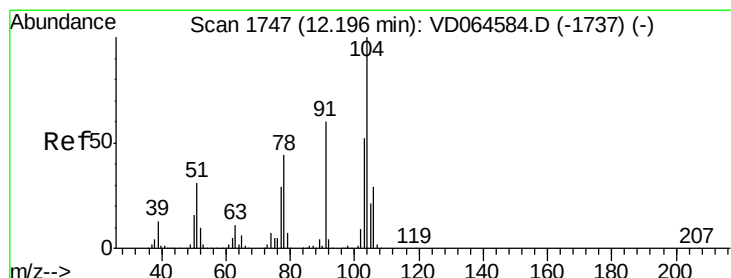
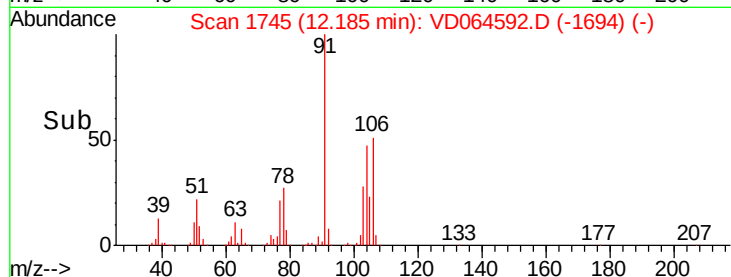
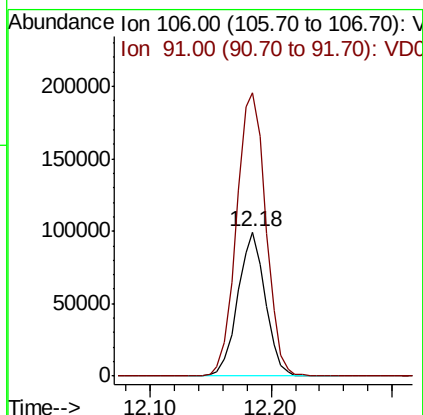
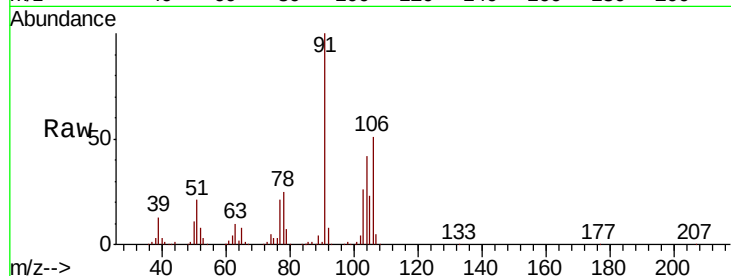




#69
o-Xylene
Concen: 20.660 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD064592.D
Acq: 26 Dec 2019 11:48

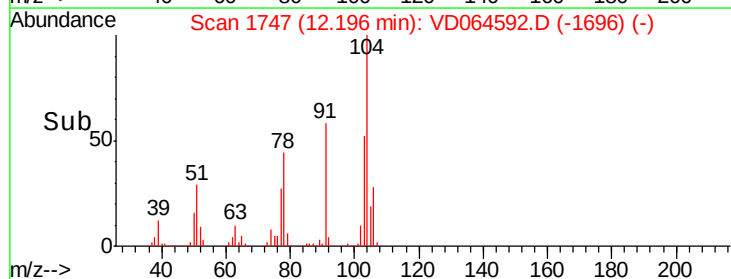
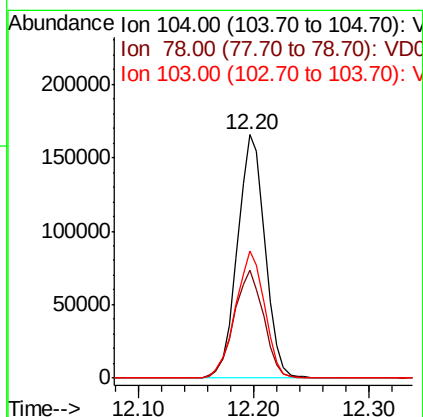
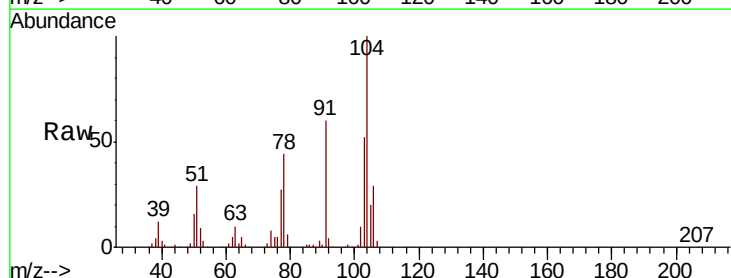
Instrument :
MSVOA_D
ClientSampled :

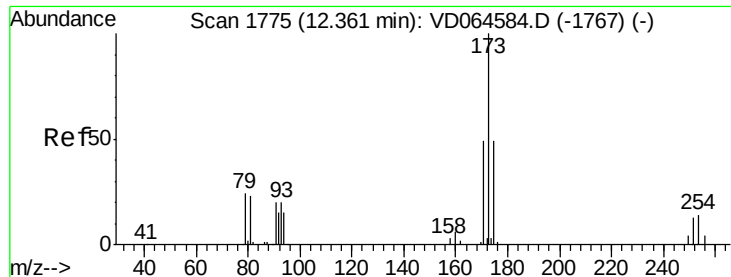
Tot Ion:106 Resp: 157685
Ion Ratio Lower Upper
106 100
91 209.8 104.8 314.4



#70
Styrene
Concen: 20.369 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VD064592.D
Acq: 26 Dec 2019 11:48

Tgt Ion:104 Resp: 272883
Ion Ratio Lower Upper
104 100
78 47.9 38.2 57.2
103 55.7 44.6 67.0





#71

Bromoform

Concen: 20.516 ug/l

RT: 12.36 min Scan# 1775

Delta R.T. 0.00 min

Lab File: VD064592.D

Acq: 26 Dec 2019 11:48

Instrument :

MSVOA_D

ClientSampleId :

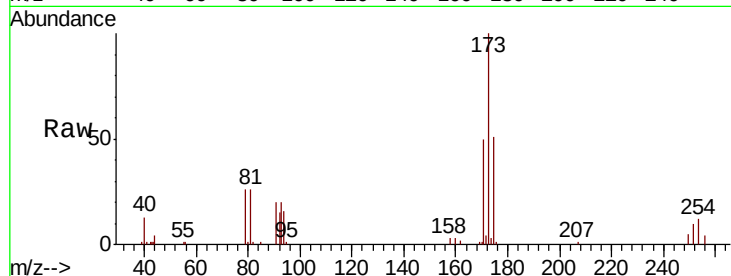
Tot Ion:173 Resp: 53200

Ion Ratio Lower Upper

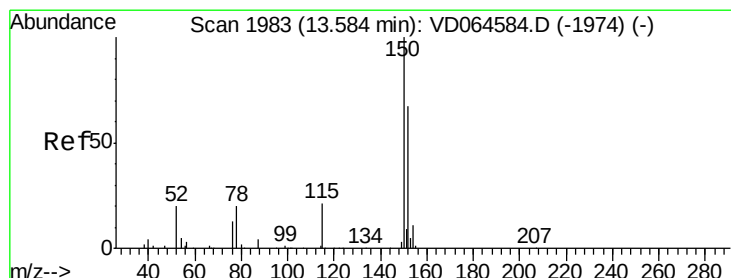
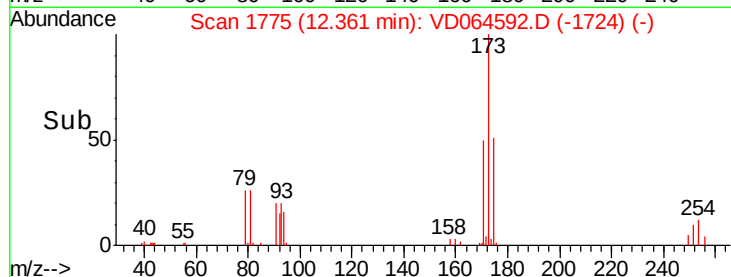
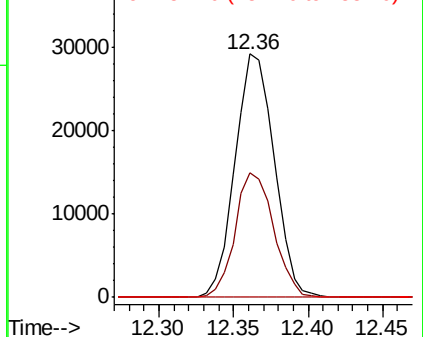
173 100

175 50.4 24.6 73.8

254 0.0 0.1 0.1#



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. 0.00 min

Lab File: VD064592.D

Acq: 26 Dec 2019 11:48

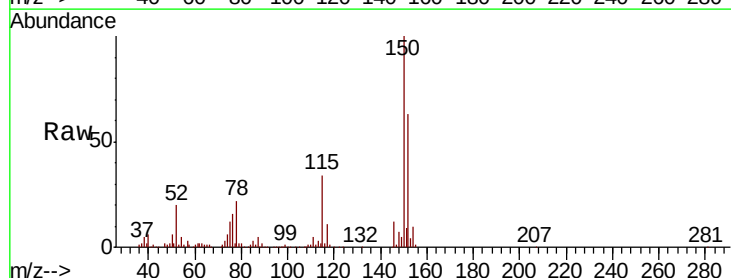
Tgt Ion:152 Resp: 287430

Ion Ratio Lower Upper

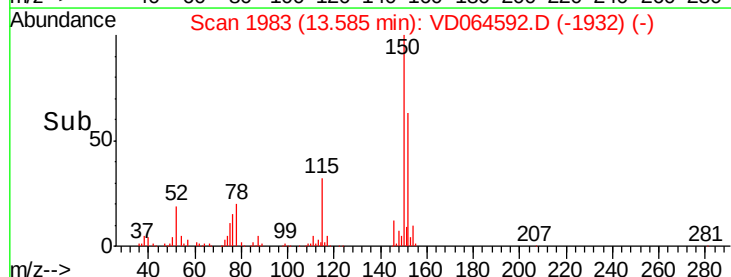
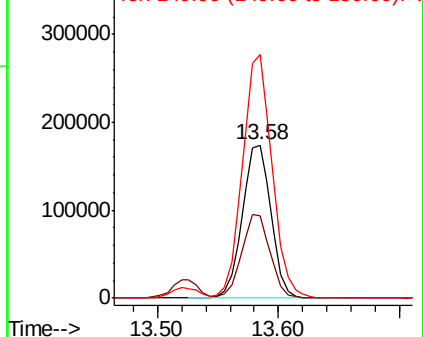
152 100

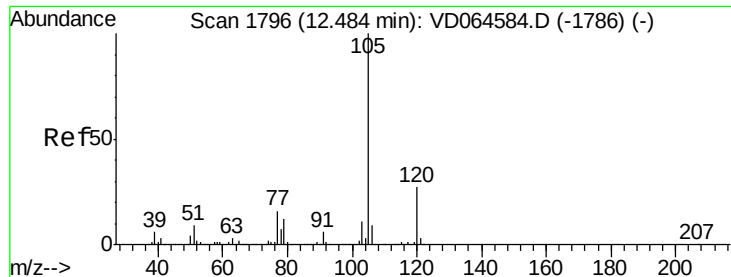
115 54.2 27.8 83.4

150 164.5 0.0 351.4



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: 21.220 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD064592.D

Acq: 26 Dec 2019 11:48

Instrument :

MSVOA_D

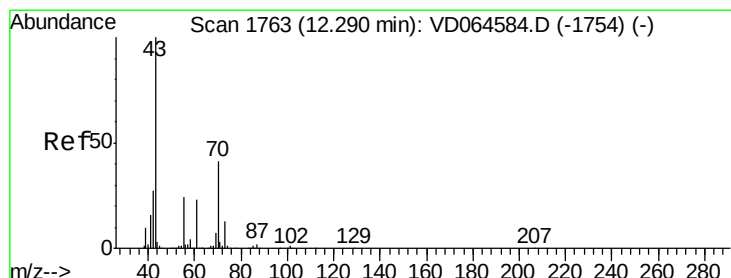
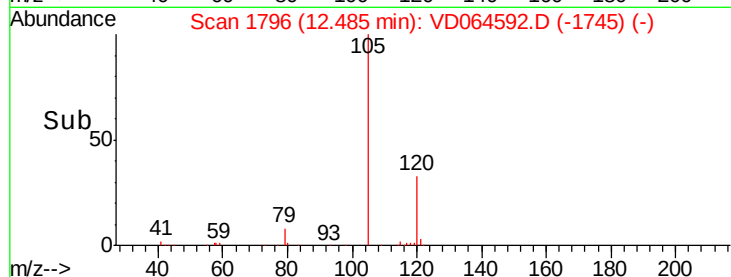
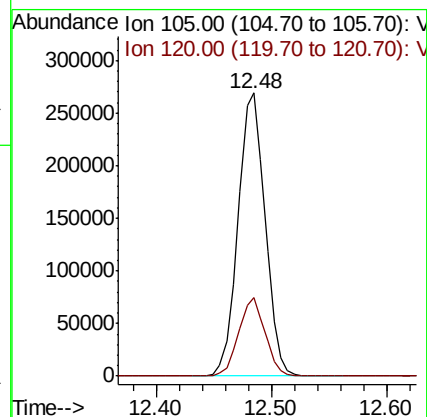
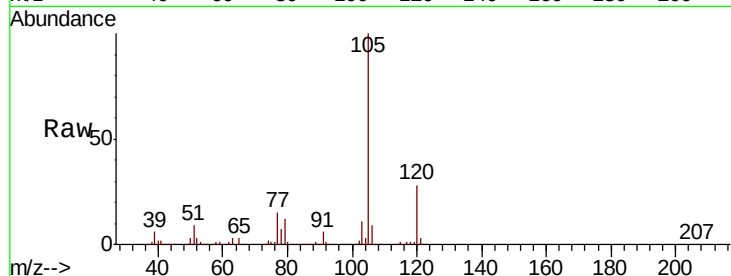
ClientSampleId :

Tot Ion:105 Resp: 435864

Ion Ratio Lower Upper

105 100

120 26.9 13.5 40.5



#74

N-ethyl acetate

Concen: 21.437 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. 0.00 min

Lab File: VD064592.D

Acq: 26 Dec 2019 11:48

Tgt Ion: 43 Resp: 94127

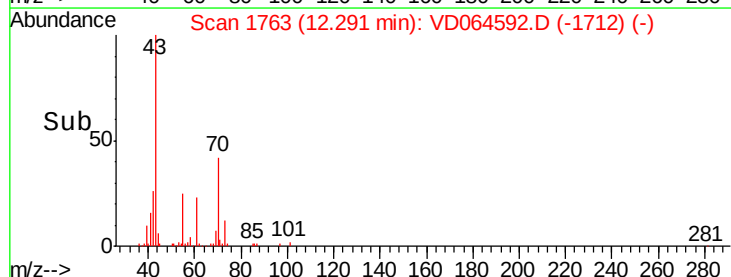
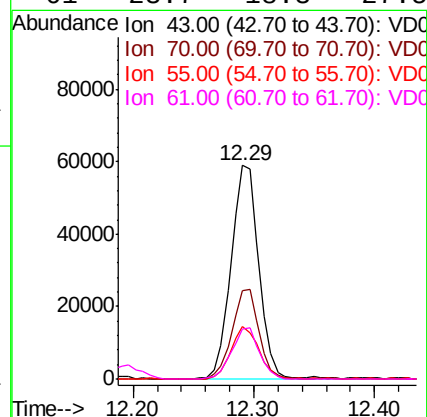
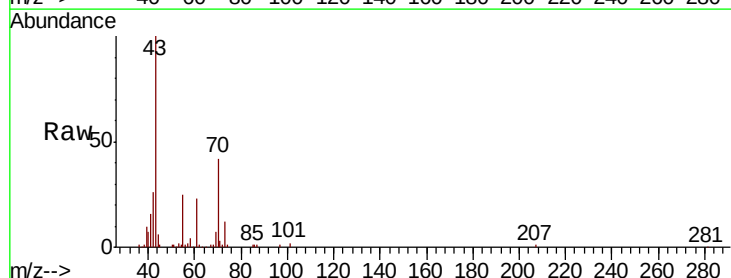
Ion Ratio Lower Upper

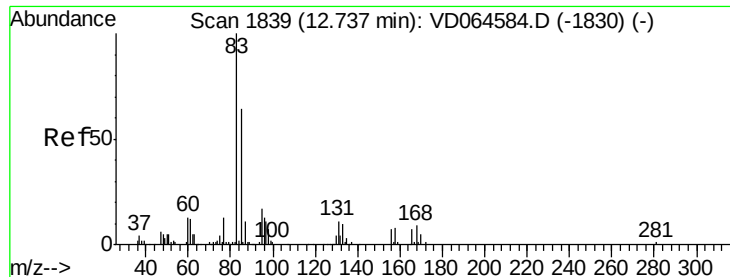
43 100

70 40.7 33.4 50.0

55 24.7 19.4 29.0

61 23.7 18.3 27.5





#75

1,1,2,2-Tetrachloroethane

Concen: 21.290 ug/l

RT: 12.73 min Scan# 1838

Delta R.T. -0.01 min

Lab File: VD064592.D

Acq: 26 Dec 2019 11:48

Instrument :

MSVOA_D

ClientSampled :

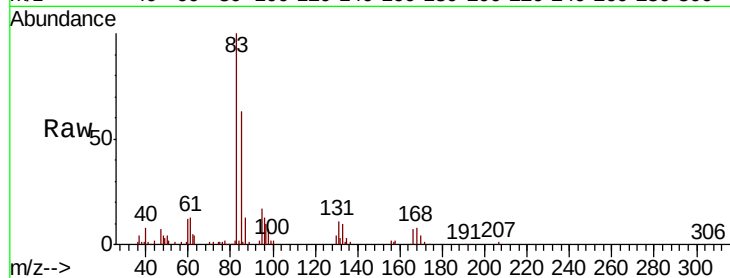
Tot Ion: 83 Resp: 68697

Ion Ratio Lower Upper

83 100

131 11.8 5.8 17.4

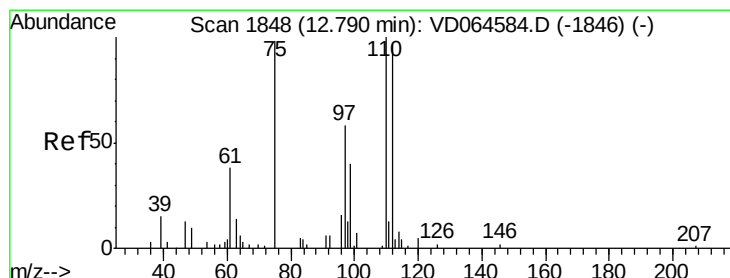
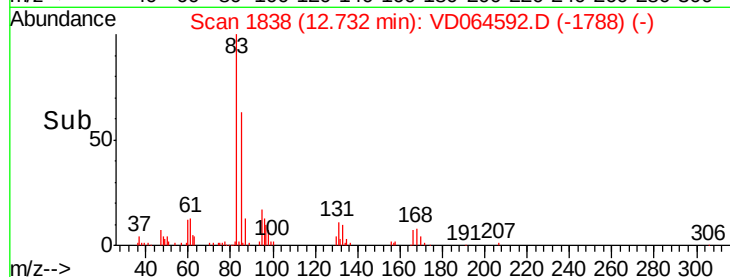
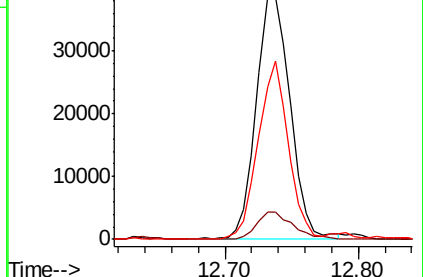
85 64.7 32.3 96.9



Abundance Ion 82.90 (82.60 to 83.60): VDC

Ion 130.80 (130.50 to 131.50): VDC

Ion 84.90 (84.60 to 85.60): VDC



#76

1,2,3-Trichloropropane

Concen: 40.020 ug/l

RT: 12.79 min Scan# 1848

Delta R.T. 0.00 min

Lab File: VD064592.D

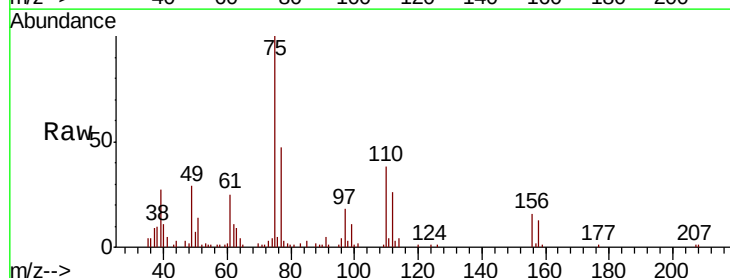
Acq: 26 Dec 2019 11:48

Tgt Ion: 75 Resp: 90834

Ion Ratio Lower Upper

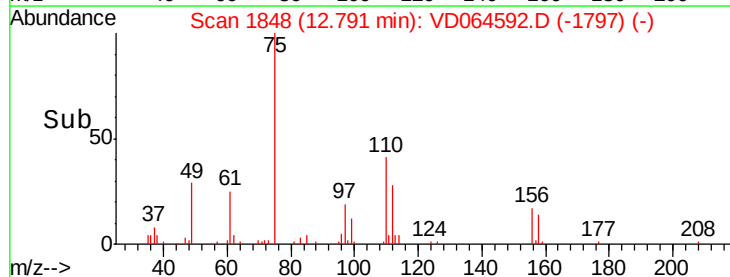
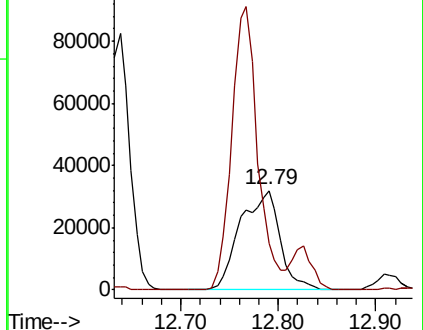
75 100

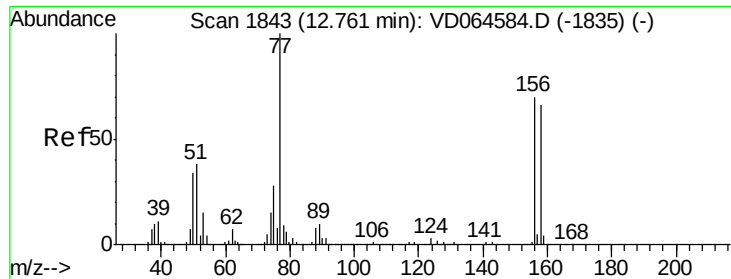
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC





#77

Bromobenzene

Concen: 20.851 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.01 min

Lab File: VD064592.D

Acq: 26 Dec 2019 11:48

Instrument :

MSVOA_D

ClientSampleId :

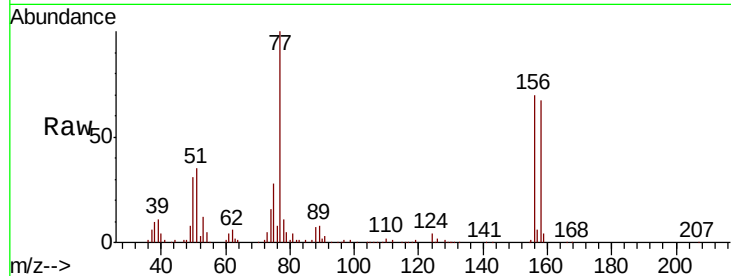
Tot Ion:156 Resp: 105235

Ion Ratio Lower Upper

156 100

77 161.9 80.9 242.7

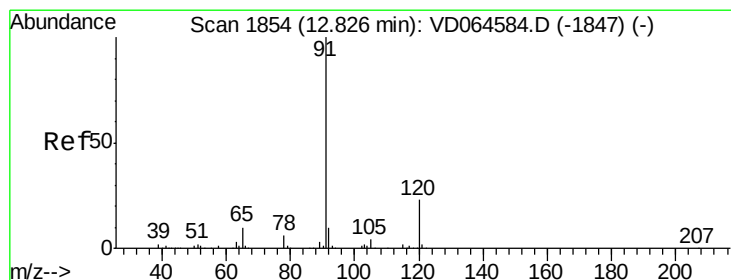
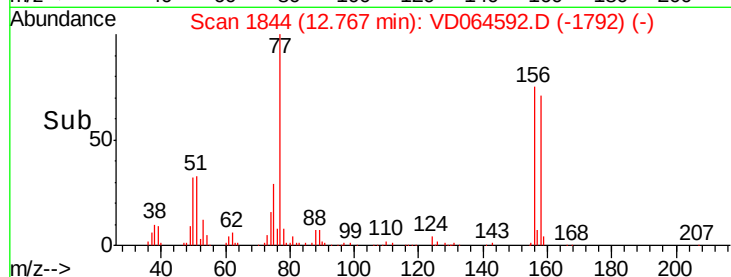
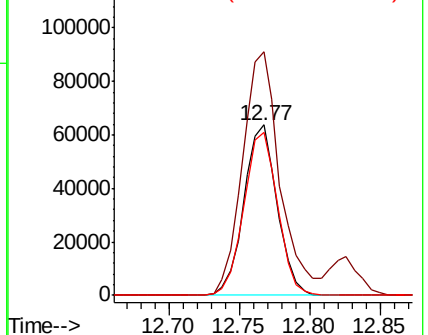
158 97.1 48.0 144.2



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: 21.176 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD064592.D

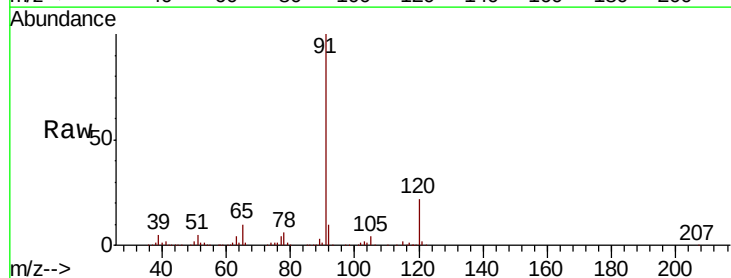
Acq: 26 Dec 2019 11:48

Tgt Ion: 91 Resp: 507443

Ion Ratio Lower Upper

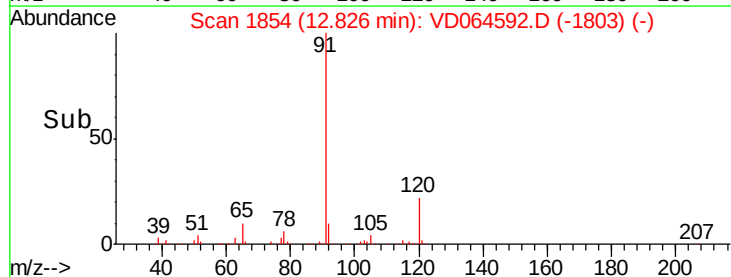
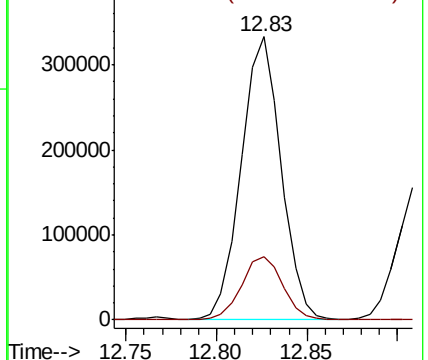
91 100

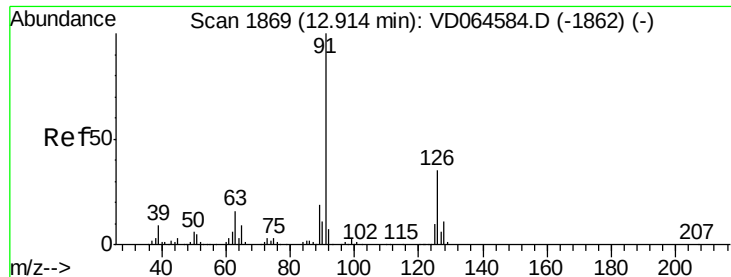
120 23.2 11.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.00 (119.70 to 120.70): V

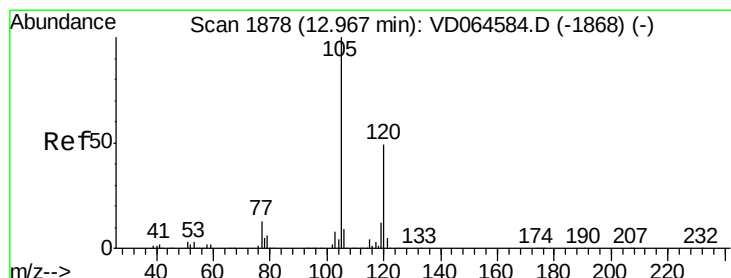
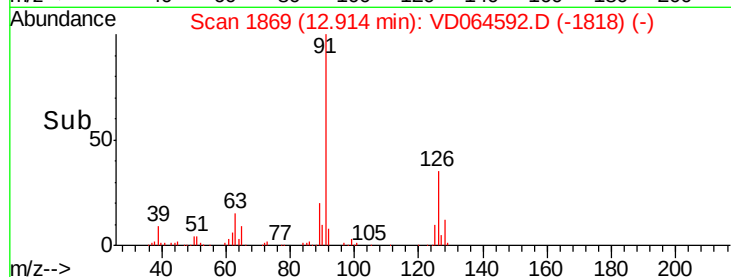
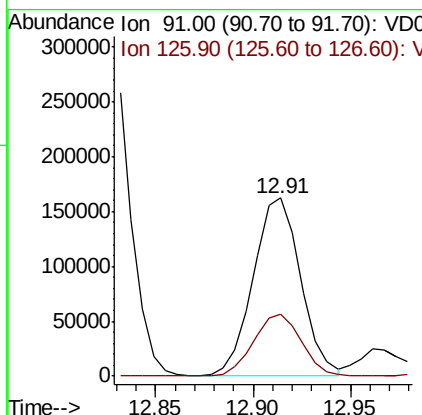
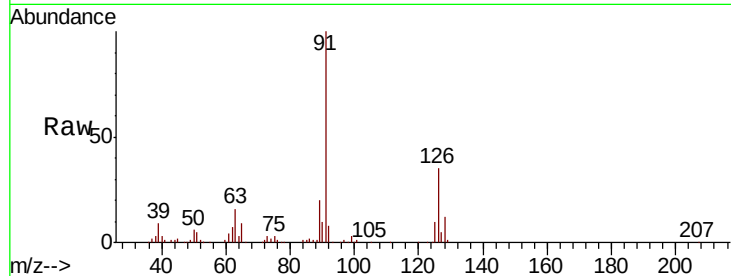




#79
 2-Chlorotoluene
 Concen: 20.801 ug/l
 RT: 12.91 min Scan# 1869
 Delta R.T. 0.00 min
 Lab File: VD064592.D
 Acq: 26 Dec 2019 11:48

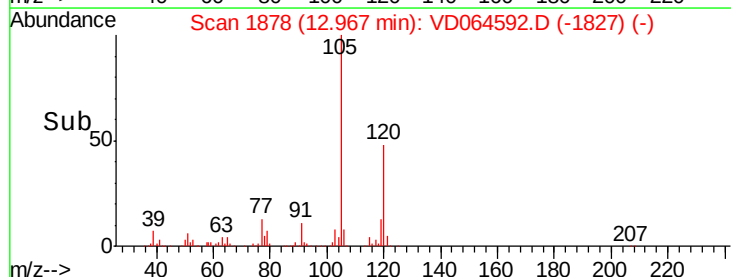
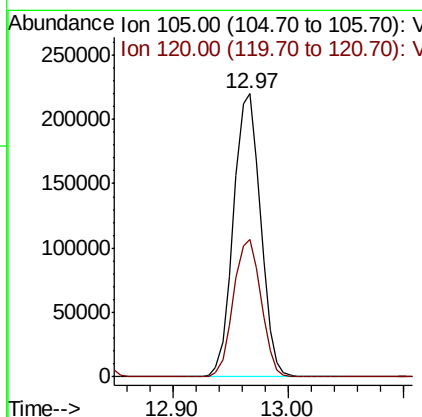
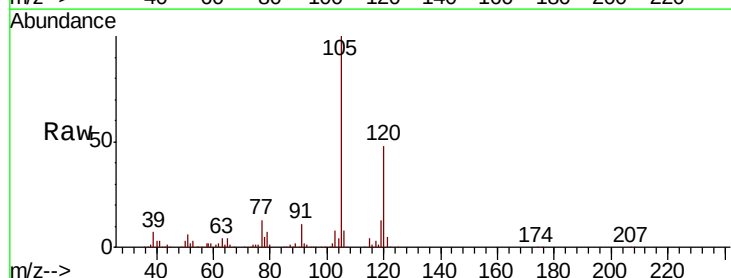
Instrument :
 MSVOA_D
 ClientSampled :

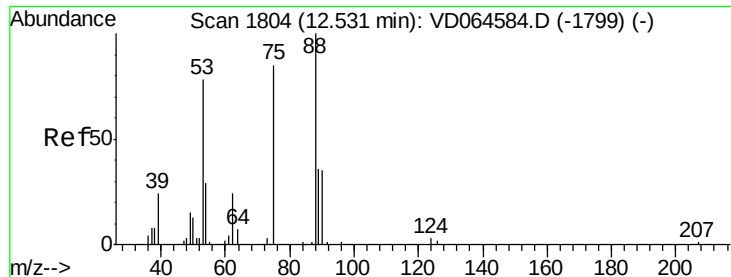
Tot Ion: 91 Resp: 273825
 Ion Ratio Lower Upper
 91 100
 126 35.1 17.8 53.5



#80
 1,3,5-Trimethylbenzene
 Concen: 21.186 ug/l
 RT: 12.97 min Scan# 1878
 Delta R.T. 0.00 min
 Lab File: VD064592.D
 Acq: 26 Dec 2019 11:48

Tgt Ion:105 Resp: 357469
 Ion Ratio Lower Upper
 105 100
 120 49.7 25.0 75.0





#81

trans-1,4-Dichloro-2-butene

Concen: 20.420 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VD064592.D

Acq: 26 Dec 2019 11:48

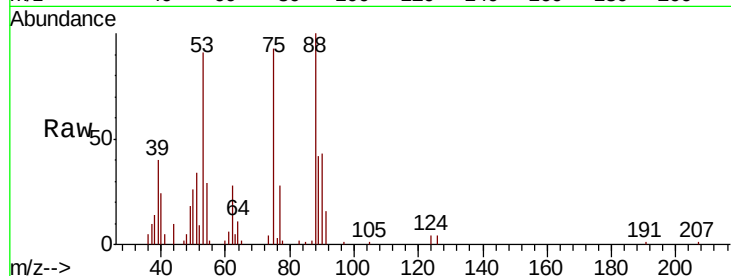
Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 75 Resp: 22160

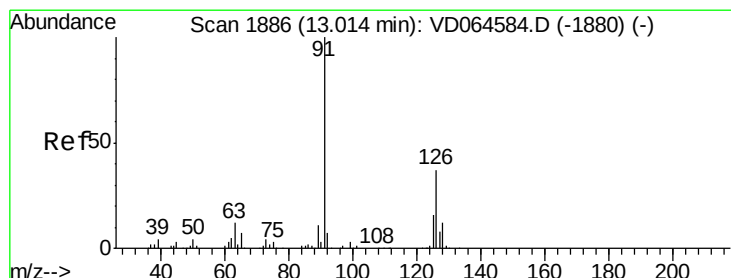
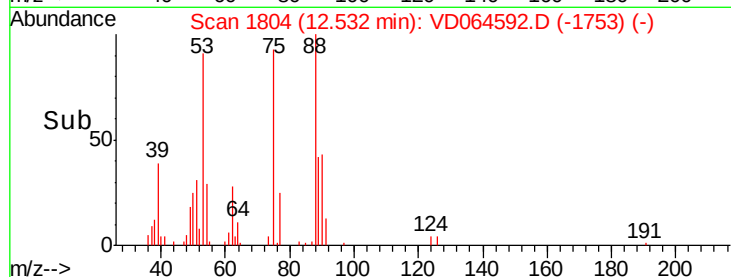
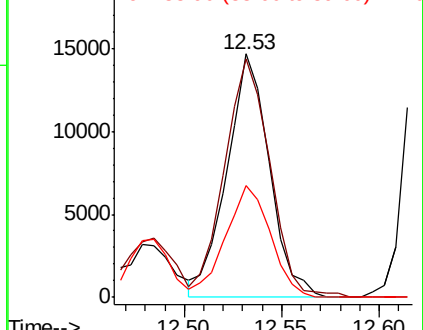
Ion	Ratio	Lower	Upper
75	100		
53	104.4	78.8	118.2
89	48.3	38.3	57.5



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 88.90 (88.60 to 89.60): VDC



#82

4-Chlorotoluene

Concen: 21.066 ug/l

RT: 13.01 min Scan# 1885

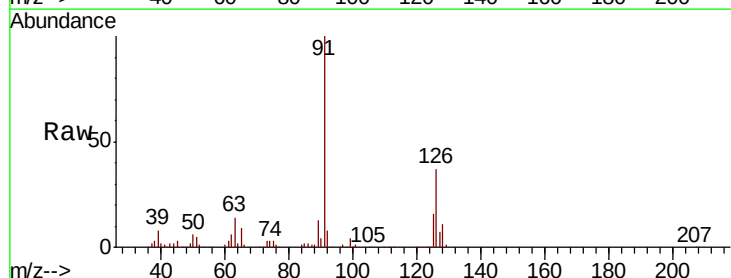
Delta R.T. -0.01 min

Lab File: VD064592.D

Acq: 26 Dec 2019 11:48

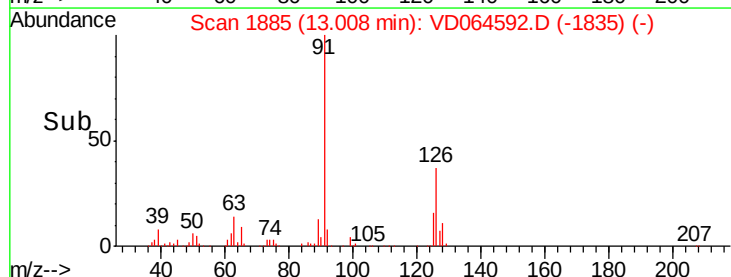
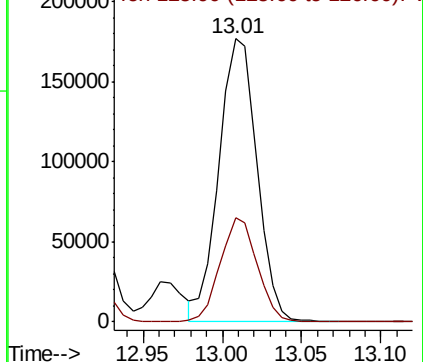
Tgt Ion: 91 Resp: 295116

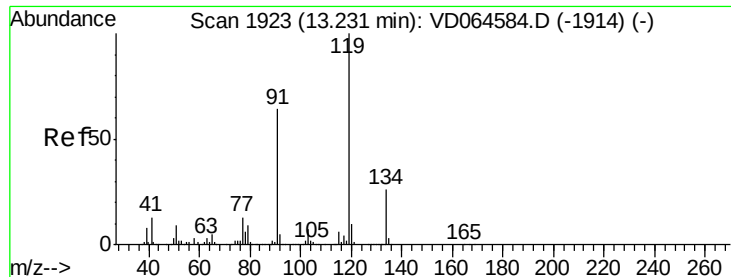
Ion	Ratio	Lower	Upper
91	100		
126	35.6	17.8	53.5



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.90 (125.60 to 126.60): V

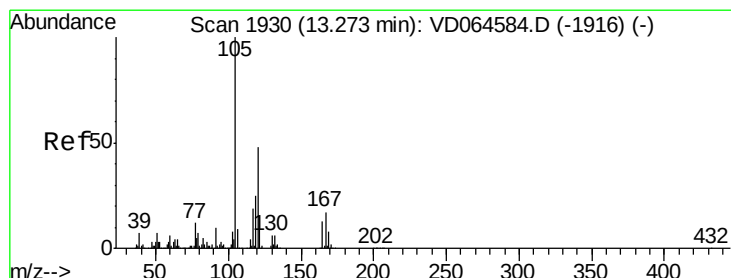
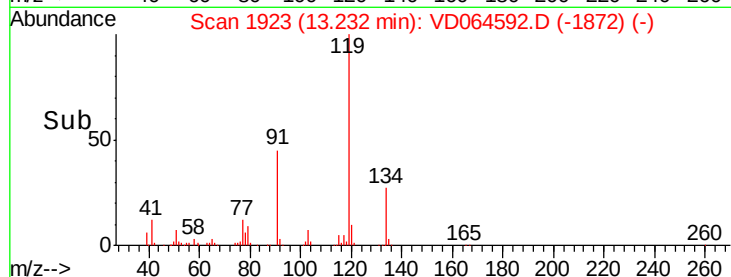
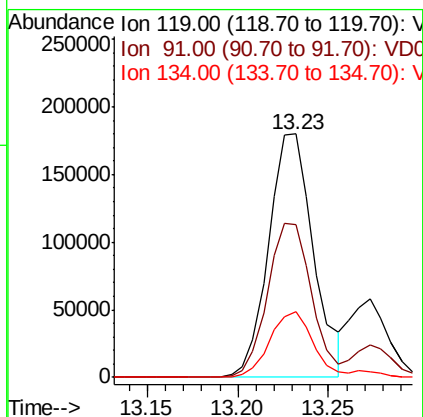
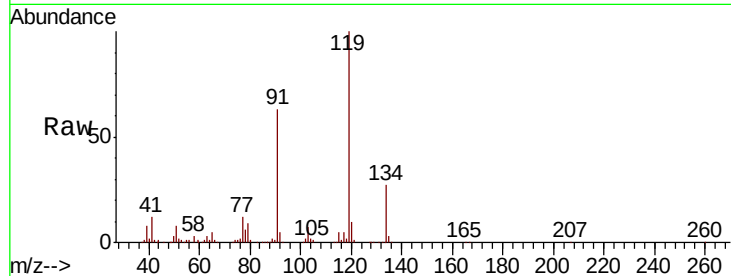




#83
 tert-Butylbenzene
 Concen: 21.266 ug/l
 RT: 13.23 min Scan# 1923
 Delta R.T. 0.00 min
 Lab File: VD064592.D
 Acq: 26 Dec 2019 11:48

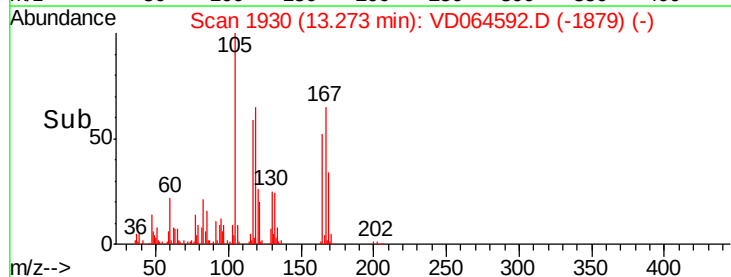
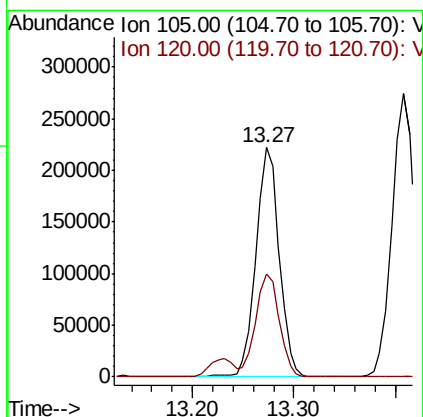
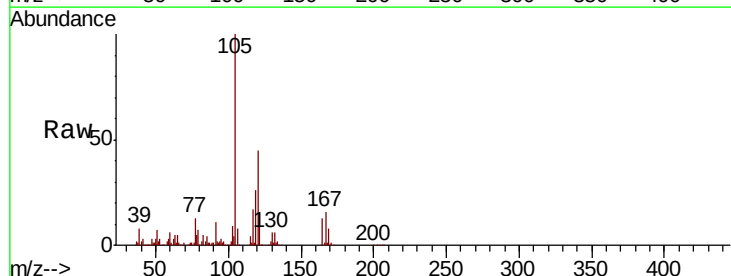
Instrument :
 MSVOA_D
 ClientSampleID :

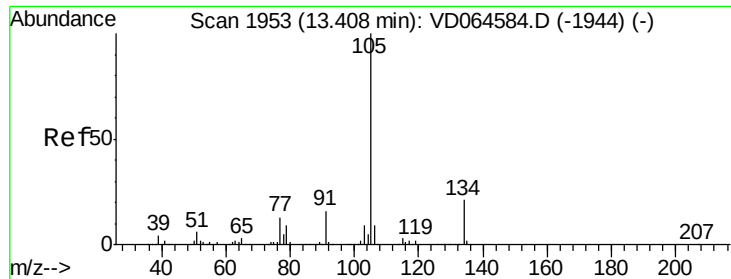
Tot Ion:119 Resp: 311542
 Ion Ratio Lower Upper
 119 100
 91 62.0 30.8 92.4
 134 25.9 12.8 38.3



#84
 1,2,4-Trimethylbenzene
 Concen: 21.043 ug/l
 RT: 13.27 min Scan# 1930
 Delta R.T. 0.00 min
 Lab File: VD064592.D
 Acq: 26 Dec 2019 11:48

Tgt Ion:105 Resp: 353606
 Ion Ratio Lower Upper
 105 100
 120 46.0 23.8 71.2





#85

sec-Butylbenzene

Concen: 21.222 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.00 min

Lab File: VD064592.D

Acq: 26 Dec 2019 11:48

Instrument :

MSVOA_D

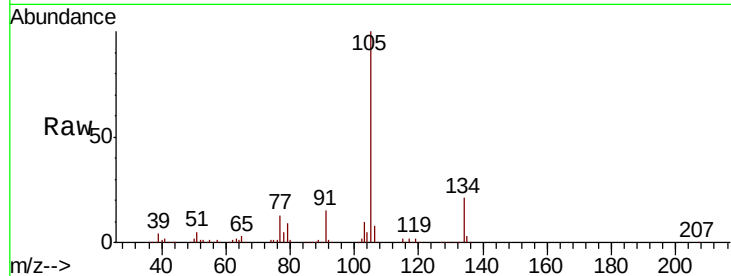
ClientSampleId :

Tot Ion:105 Resp: 426235

Ion Ratio Lower Upper

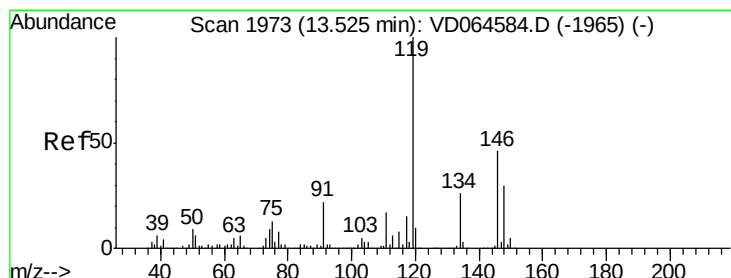
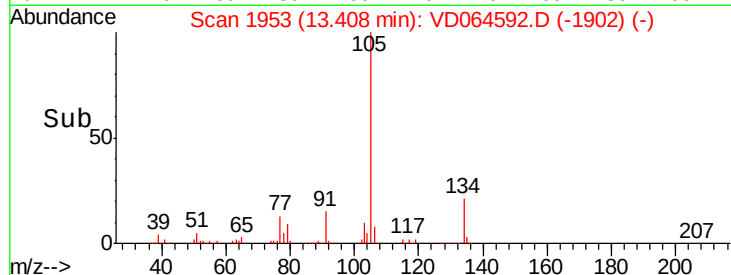
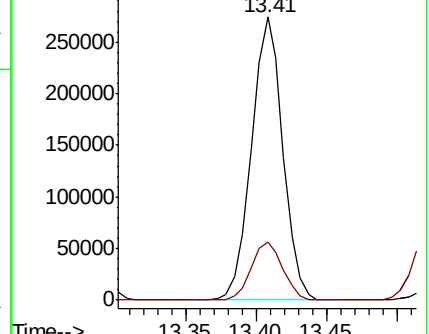
105 100

134 20.8 10.6 31.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 20.869 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. -0.01 min

Lab File: VD064592.D

Acq: 26 Dec 2019 11:48

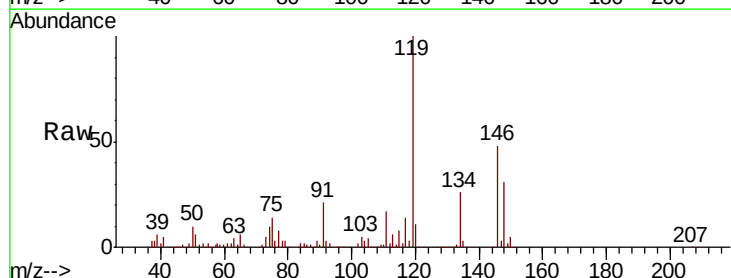
Tgt Ion:119 Resp: 400766

Ion Ratio Lower Upper

119 100

134 26.6 13.4 40.1

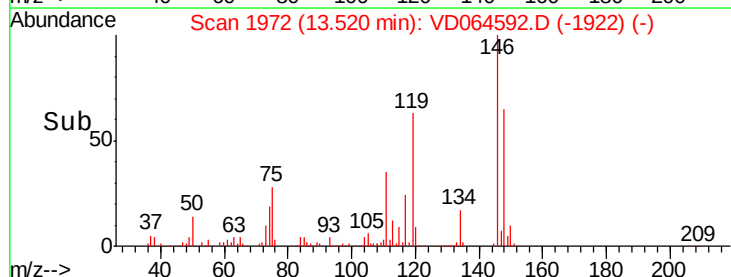
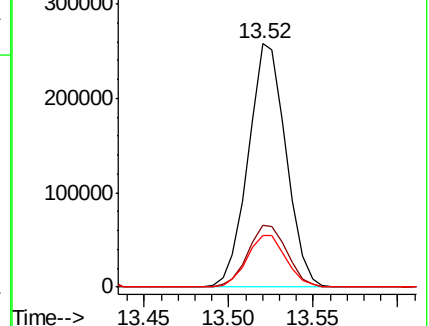
91 22.2 11.2 33.6

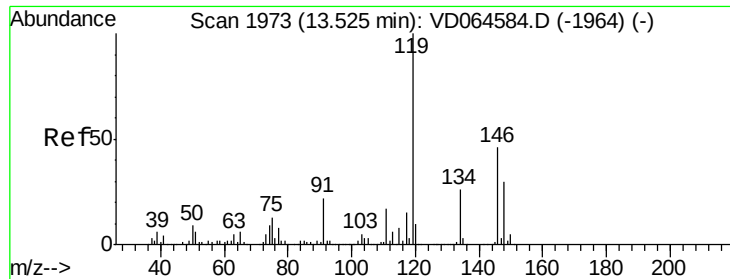


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

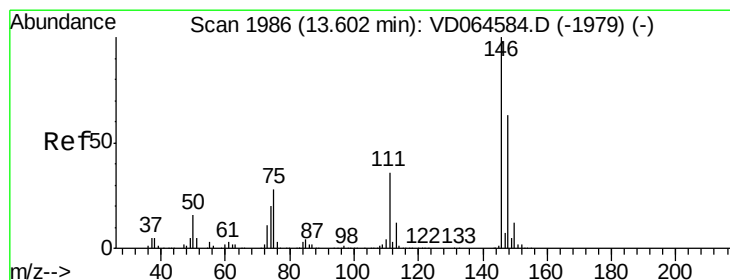
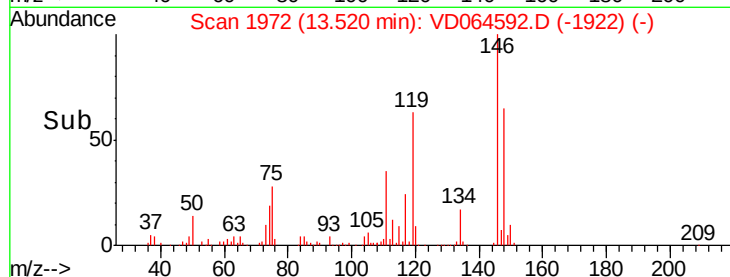
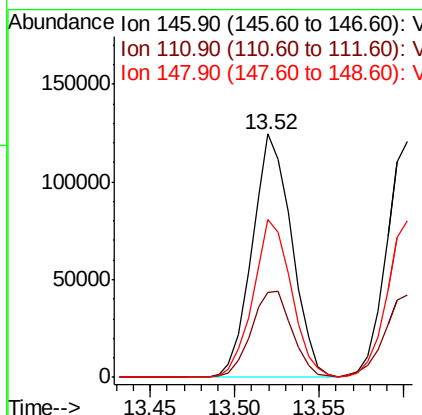
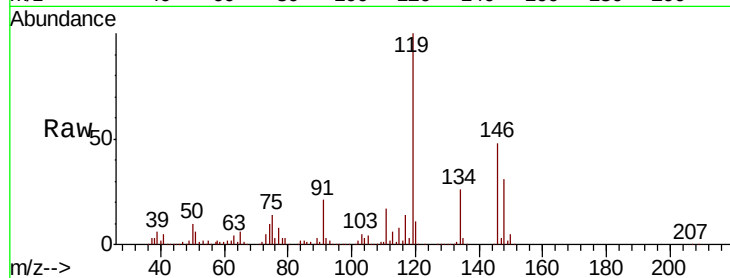




#87
 1,3-Dichlorobenzene
 Concen: 21.012 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. -0.01 min
 Lab File: VD064592.D
 Acq: 26 Dec 2019 11:48

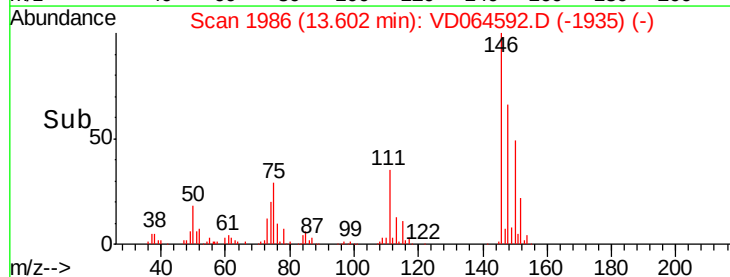
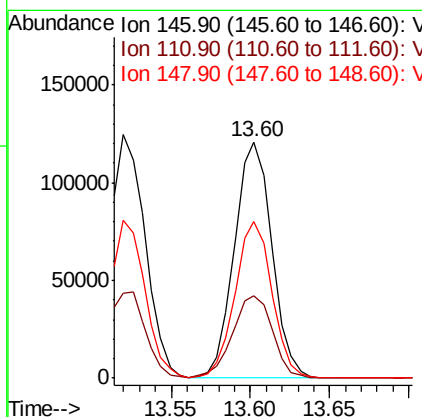
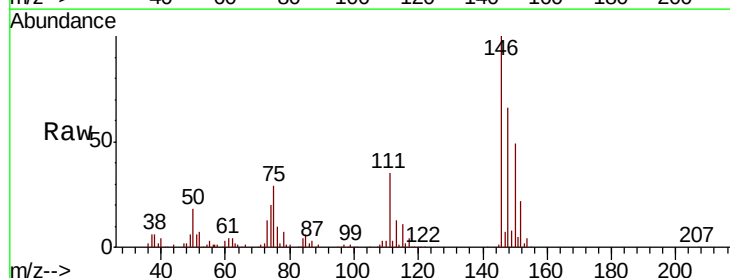
Instrument :
 MSVOA_D
 ClientSampleId :

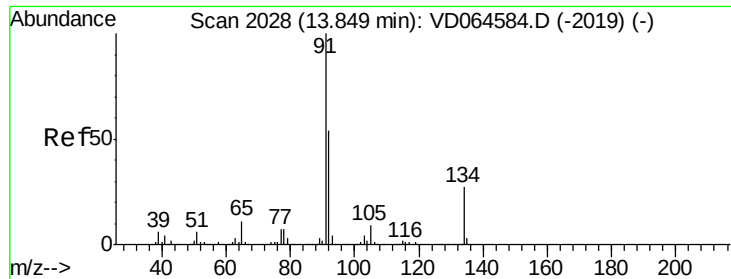
Tot Ion	Ratio	Lower	Upper
146	100		
111	36.4	18.8	56.4
148	62.8	32.5	97.5



#88
 1,4-Dichlorobenzene
 Concen: 21.015 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VD064592.D
 Acq: 26 Dec 2019 11:48

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.1	18.1	54.1
148	65.4	32.3	96.9

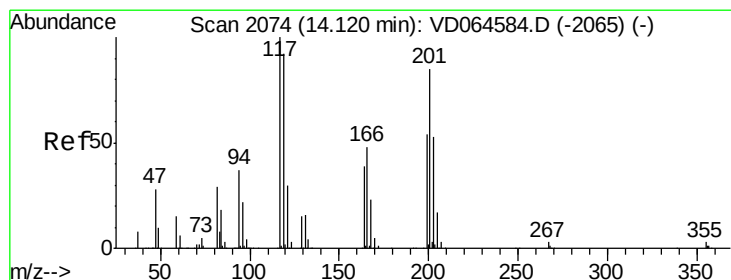
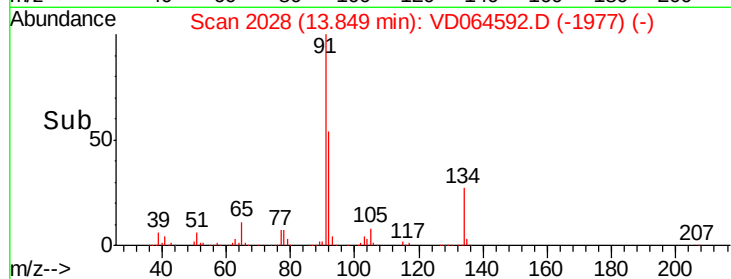
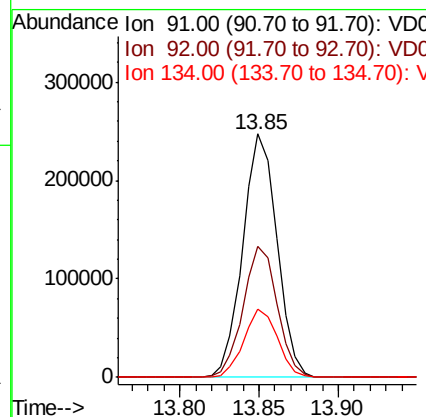
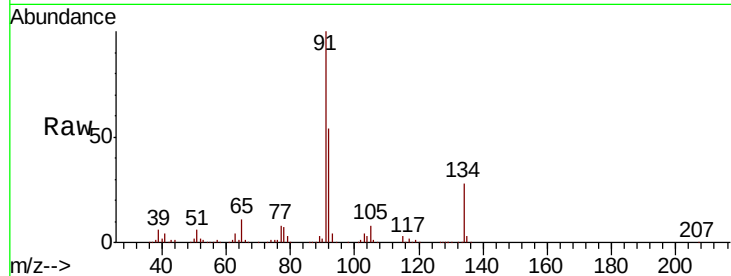




#89
n-Butylbenzene
Concen: 21.418 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.00 min
Lab File: VD064592.D
Acq: 26 Dec 2019 11:48

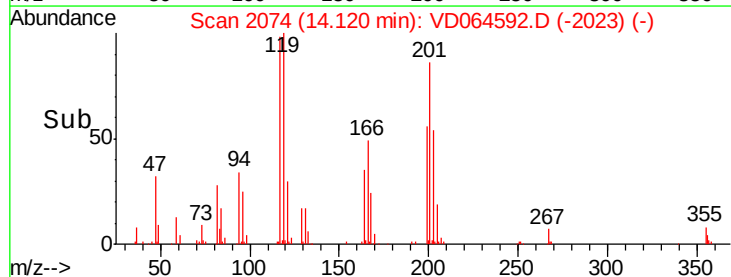
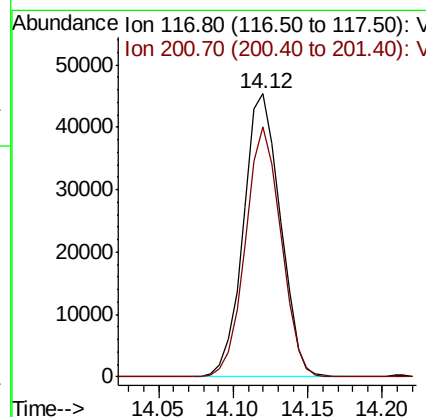
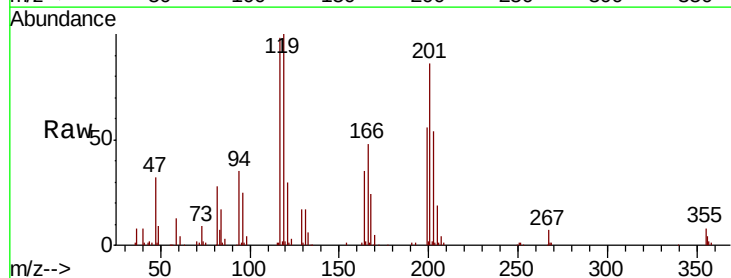
Instrument :
MSVOA_D
ClientSampleId :

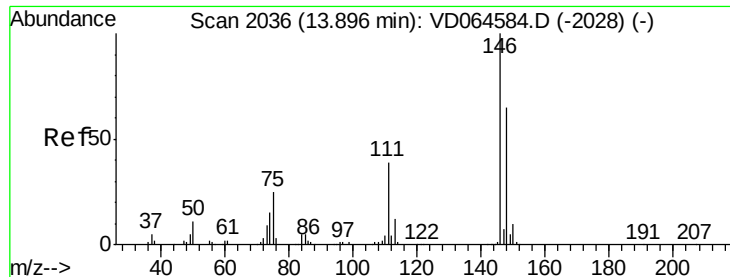
Tot Ion: 91 Resp: 370411
Ion Ratio Lower Upper
91 100
92 53.7 26.8 80.4
134 27.7 14.0 41.9



#90
Hexachloroethane
Concen: 21.142 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.00 min
Lab File: VD064592.D
Acq: 26 Dec 2019 11:48

Tgt Ion: 117 Resp: 77557
Ion Ratio Lower Upper
117 100
201 85.0 44.0 131.8

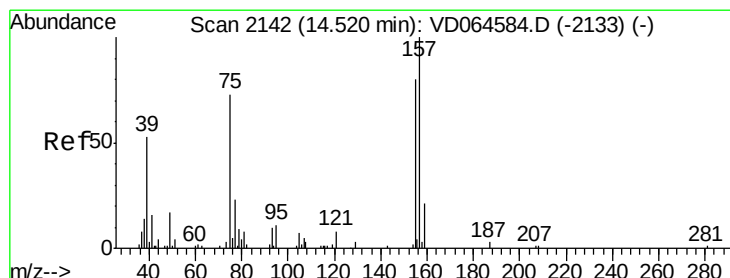
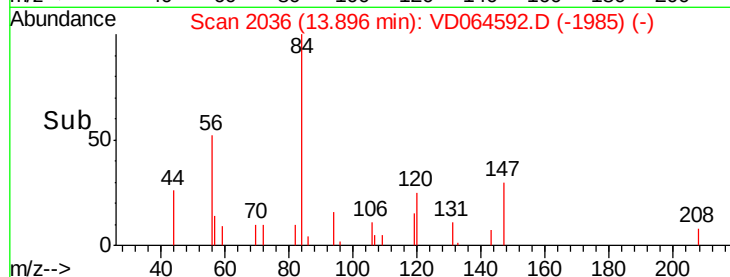
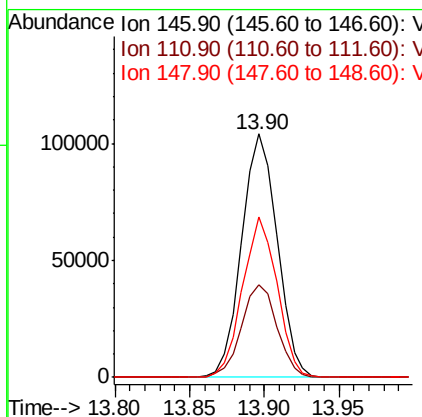
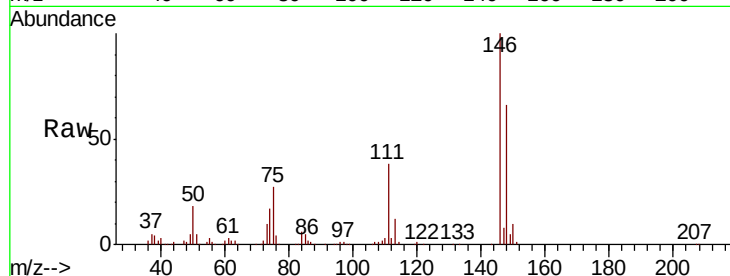




#91
 1,2-Dichlorobenzene
 Concen: 20.958 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. 0.00 min
 Lab File: VD064592.D
 Acq: 26 Dec 2019 11:48

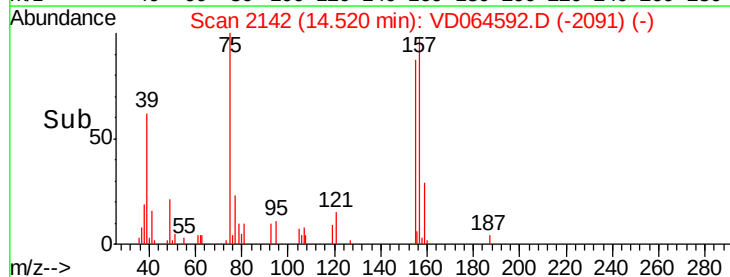
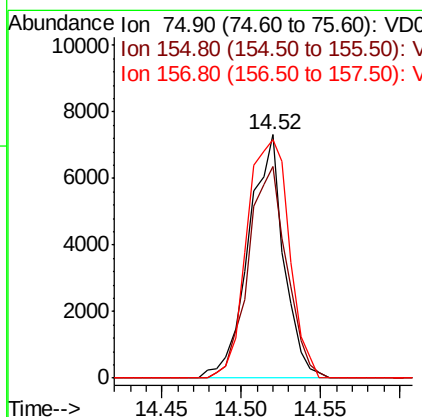
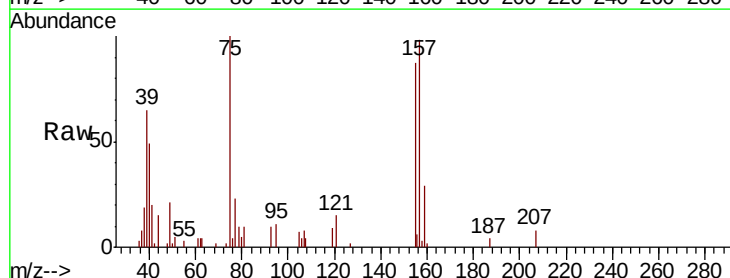
Instrument :
 MSVOA_D
 ClientSampleId :

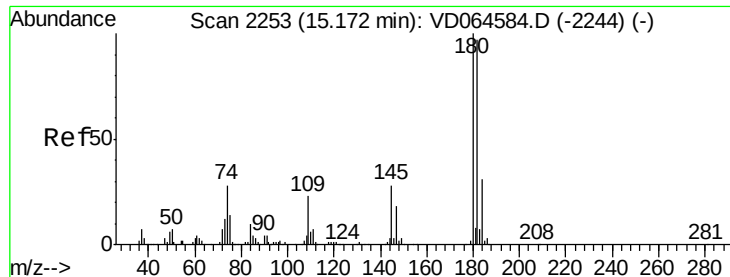
Tot Ion	Ratio	Lower	Upper
146	100		
111	38.0	19.3	57.9
148	63.6	31.9	95.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.603 ug/l
 RT: 14.52 min Scan# 2142
 Delta R.T. 0.00 min
 Lab File: VD064592.D
 Acq: 26 Dec 2019 11:48

Tgt Ion	Ratio	Lower	Upper
75	100		
155	94.6	48.0	144.0
157	118.0	64.1	192.3

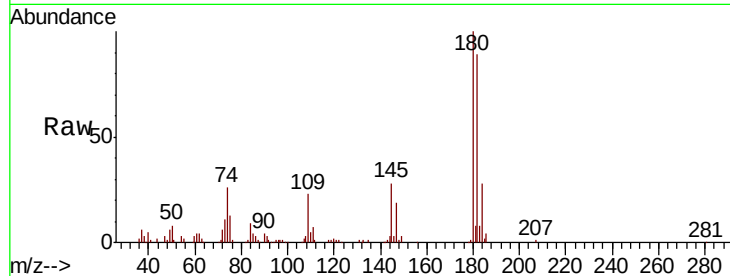




#93
 1,2,4-Trichlorobenzene
 Concen: 21.500 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. 0.00 min
 Lab File: VD064592.D
 Acq: 26 Dec 2019 11:48

Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
180	100		
182	93.0	48.0	144.2
145	28.8	13.8	41.4

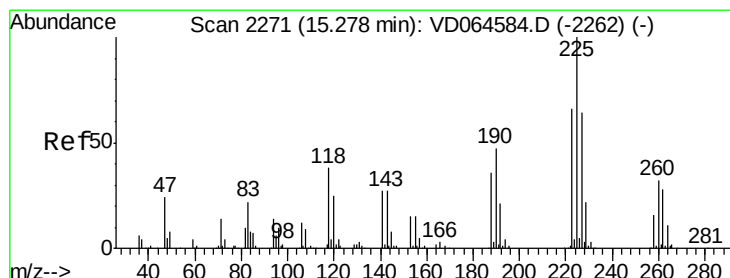
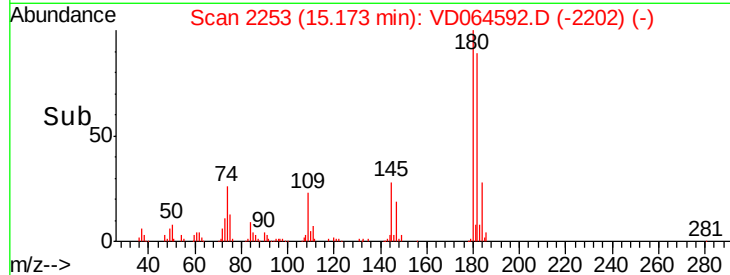
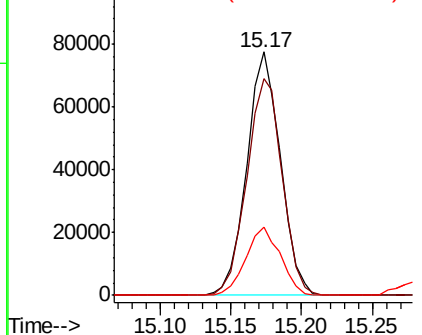


Abundance

Ion 179.80 (179.50 to 180.50): V

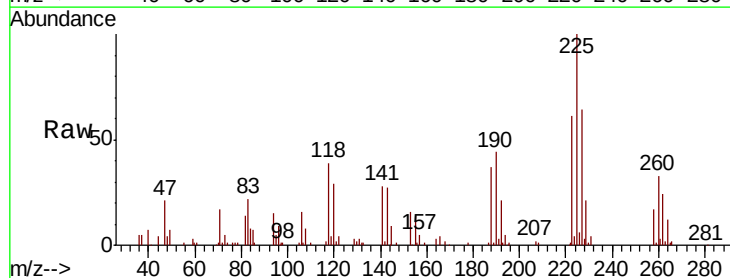
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 21.133 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.00 min
 Lab File: VD064592.D
 Acq: 26 Dec 2019 11:48

Tgt Ion	Ratio	Lower	Upper
225	100		
223	60.9	31.1	93.2
227	63.0	30.9	92.7

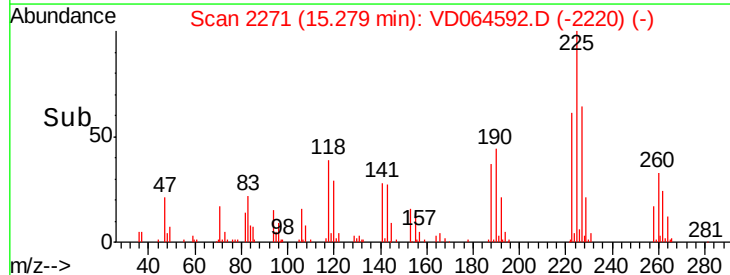
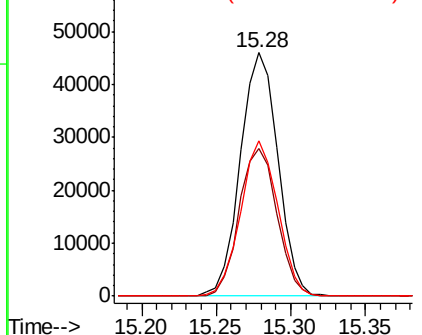


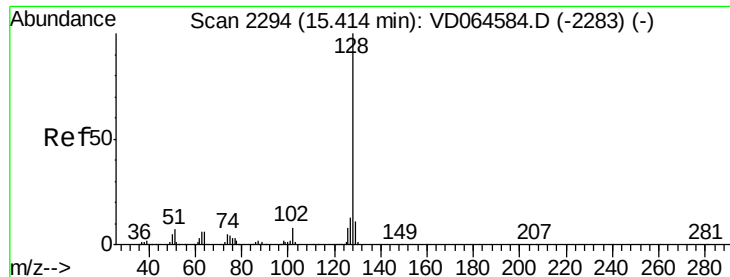
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V

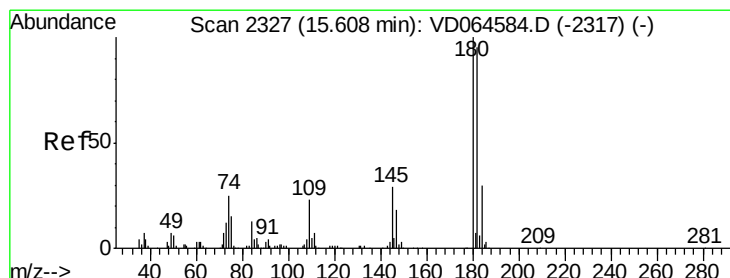
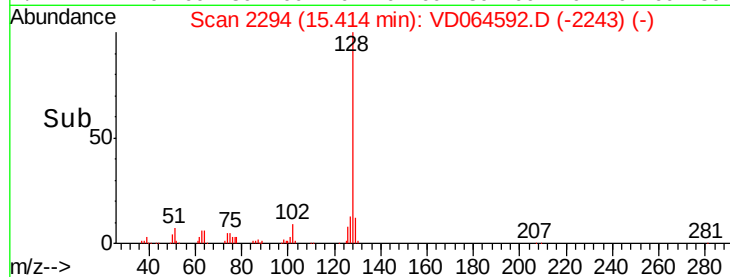
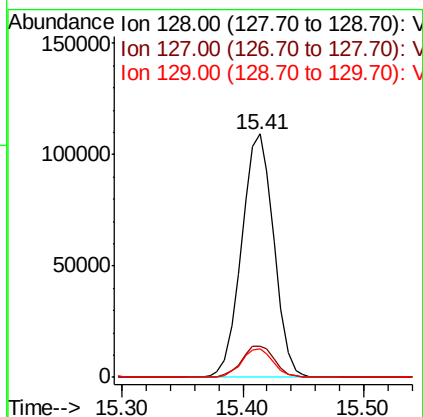
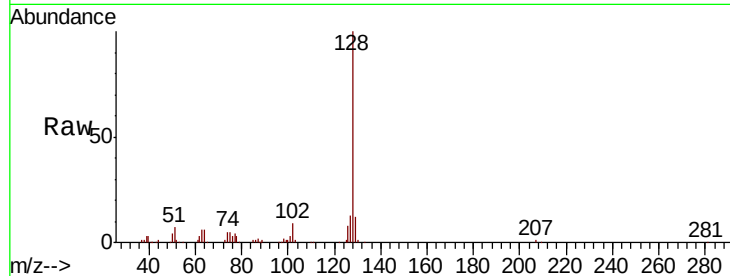




#95
Naphthalene
Concen: 21.214 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. 0.00 min
Lab File: VD064592.D
Acq: 26 Dec 2019 11:48

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:128 Resp: 202738
Ion Ratio Lower Upper
128 100
127 13.3 10.3 15.5
129 11.6 8.5 12.7



#96
1,2,3-Trichlorobenzene
Concen: 21.442 ug/l
RT: 15.60 min Scan# 2326
Delta R.T. -0.01 min
Lab File: VD064592.D
Acq: 26 Dec 2019 11:48

Tgt Ion:180 Resp: 110580
Ion Ratio Lower Upper
180 100
182 93.7 47.9 143.7
145 29.4 14.9 44.7

