

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD121019\
 Data File : VD064485.D
 Acq On : 10 Dec 2019 12:11
 Operator : VA/SY
 Sample : VD1210SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Dec 11 00:47:44 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D112719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 29 07:18:03 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	437573	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	647619	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	566226	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	287293	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	201073	50.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.54%	
35) Dibromofluoromethane	7.92	113	204552	50.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.26%	
50) Toluene-d8	10.34	98	786388	51.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.32%	
62) 4-Bromofluorobenzene	12.64	95	248611	50.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.66%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	88713	22.375	ug/l	99
3) Chloromethane	2.21	50	108539	21.705	ug/l	97
4) Vinyl Chloride	2.35	62	133633	23.144	ug/l	98
5) Bromomethane	2.76	94	93176	21.822	ug/l	99
6) Chloroethane	2.92	64	86670	22.458	ug/l	99
7) Trichlorofluoromethane	3.27	101	224363	23.374	ug/l	93
8) Diethyl Ether	3.70	74	44065	22.092	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.09	101	93323	22.675	ug/l	99
10) Methyl Iodide	4.29	142	97949	22.537	ug/l	98
11) Tert butyl alcohol	5.26	59	26064	103.380	ug/l #	100
12) 1,1-Dichloroethene	4.06	96	89563	22.708	ug/l	97
13) Acrolein	3.93	56	32782	95.329	ug/l	99
14) Allyl chloride	4.71	41	139156	22.608	ug/l	97
15) Acrylonitrile	5.43	53	94306	108.122	ug/l	98
16) Acetone	4.17	43	87178	108.922	ug/l	98
17) Carbon Disulfide	4.40	76	280276	22.437	ug/l	99
18) Methyl Acetate	4.72	43	51532	22.073	ug/l	100
19) Methyl tert-butyl Ether	5.48	73	194960	21.549	ug/l	97
20) Methylene Chloride	4.96	84	104642	23.362	ug/l	92
21) trans-1,2-Dichloroethene	5.46	96	100647	22.560	ug/l	97
22) Diisopropyl ether	6.37	45	268949	22.134	ug/l #	96
23) Vinyl Acetate	6.31	43	774394	108.102	ug/l	99
24) 1,1-Dichloroethane	6.26	63	165470	22.644	ug/l	98
25) 2-Butanone	7.23	43	120703	106.638	ug/l	98
26) 2,2-Dichloropropane	7.21	77	150538	23.688	ug/l	98
27) cis-1,2-Dichloroethene	7.21	96	105837	21.760	ug/l	98
28) Bromochloromethane	7.54	49	40884	16.371	ug/l	98
29) Tetrahydrofuran	7.57	42	75715	105.140	ug/l	98
30) Chloroform	7.71	83	170495	22.528	ug/l	98
31) Cyclohexane	7.98	56	160281	22.610	ug/l	91
32) 1,1,1-Trichloroethane	7.90	97	162115	23.105	ug/l	98
36) 1,1-Dichloropropene	8.11	75	136182	22.232	ug/l	100
37) Ethyl Acetate	7.30	43	58028	22.325	ug/l	95
38) Carbon Tetrachloride	8.10	117	147298	22.784	ug/l	98

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 MSVOA_D
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Quant Time: Dec 11 00:47:44 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D112719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 29 07:18:03 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	170241	22.405	ug/l	95
40) Benzene	8.35	78	377219	22.172	ug/l	99
41) Methacrylonitrile	7.53	41	31324	21.014	ug/l #	87
42) 1,2-Dichloroethane	8.43	62	110960	22.364	ug/l	99
43) Isopropyl Acetate	8.46	43	107347	21.005	ug/l	98
44) Trichloroethene	9.11	130	111722	21.800	ug/l	99
45) 1,2-Dichloropropane	9.38	63	92655	22.772	ug/l	94
46) Dibromomethane	9.47	93	50243	21.878	ug/l	98
47) Bromodichloromethane	9.66	83	132020	22.374	ug/l	98
48) Methyl methacrylate	9.46	41	48303	20.655	ug/l	98
49) 1,4-Dioxane	9.46	88	11824	416.955	ug/l	94
51) 4-Methyl-2-Pentanone	10.23	43	268100	106.025	ug/l	99
52) Toluene	10.40	92	241141	21.749	ug/l	99
53) t-1,3-Dichloropropene	10.62	75	122480	21.780	ug/l	98
54) cis-1,3-Dichloropropene	10.09	75	145734	21.814	ug/l	96
55) 1,1,2-Trichloroethane	10.80	97	67398	21.434	ug/l	97
56) Ethyl methacrylate	10.66	69	82452	20.558	ug/l	98
57) 1,3-Dichloropropane	10.95	76	116324	21.731	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	174654	109.241	ug/l	98
59) 2-Hexanone	10.98	43	179619	102.370	ug/l	98
60) Dibromochloromethane	11.14	129	90092	21.131	ug/l	98
61) 1,2-Dibromoethane	11.25	107	65912	20.993	ug/l	99
64) Tetrachloroethene	10.87	164	97839	22.659	ug/l	98
65) Chlorobenzene	11.67	112	254107	21.517	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.74	131	96874	22.159	ug/l	99
67) Ethyl Benzene	11.74	91	460911	21.936	ug/l	96
68) m/p-Xylenes	11.86	106	357091	44.571	ug/l	98
69) o-Xylene	12.18	106	158084	21.365	ug/l	98
70) Styrene	12.20	104	282442	21.966	ug/l	99
71) Bromoform	12.37	173	55724	21.305	ug/l #	99
73) Isopropylbenzene	12.48	105	446253	21.597	ug/l	100
74) N-amyl acetate	12.29	43	96317	20.538	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	70586	20.658	ug/l	98
76) 1,2,3-Trichloropropane	12.79	75	92504	39.153	ug/l #	100
77) Bromobenzene	12.77	156	108335	21.232	ug/l	99
78) n-propylbenzene	12.83	91	516246	21.654	ug/l	99
79) 2-Chlorotoluene	12.91	91	282264	21.517	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	364411	21.582	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	23346	21.547	ug/l	98
82) 4-Chlorotoluene	13.01	91	294562	21.208	ug/l	99
83) tert-Butylbenzene	13.23	119	319205	21.745	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	354306	20.868	ug/l	99
85) sec-Butylbenzene	13.41	105	432463	21.465	ug/l	99
86) p-Isopropyltoluene	13.52	119	397526	20.899	ug/l	100
87) 1,3-Dichlorobenzene	13.53	146	200133	20.665	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	201782	21.104	ug/l	98
89) n-Butylbenzene	13.85	91	373693	21.634	ug/l	99
90) Hexachloroethane	14.12	117	76974	21.636	ug/l	97
91) 1,2-Dichlorobenzene	13.90	146	174526	21.087	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.52	75	11345	19.553	ug/l	96

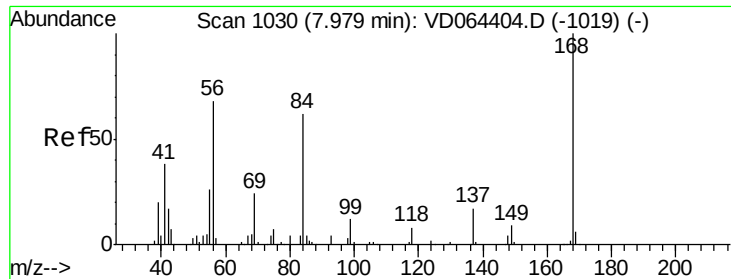
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD121019\
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ClientSampleId :

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Quant Title : SW846 8260
QLast Update : Fri Nov 29 07:18:03 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	132492	20.903	ug/l	99
94) Hexachlorobutadiene	15.28	225	83487	21.336	ug/l	99
95) Naphthalene	15.41	128	211142	19.960	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	112455	20.784	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VD064485.D

Acq: 10 Dec 2019 12:11

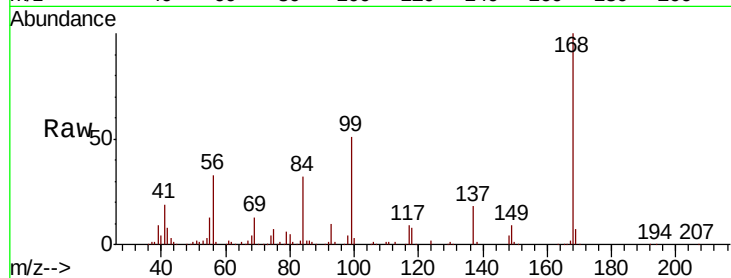
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 437573

Ion Ratio Lower Upper

168 100

99 51.1 40.7 61.1



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

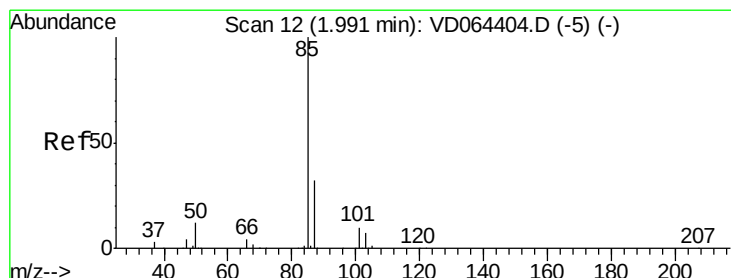
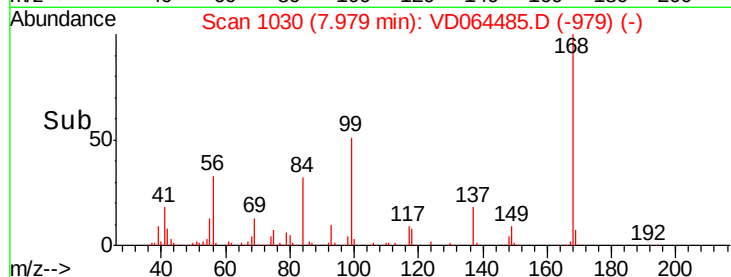
0

Time-->

7.90

8.00

8.10



#2

Dichlorodifluoromethane

Concen: 22.375 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD064485.D

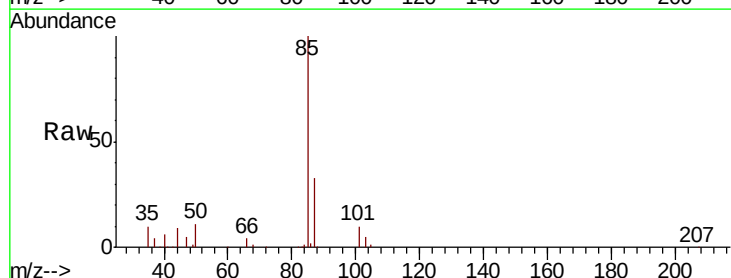
Acq: 10 Dec 2019 12:11

Tgt Ion: 85 Resp: 88713

Ion Ratio Lower Upper

85 100

87 32.9 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

40000

20000

0

Time-->

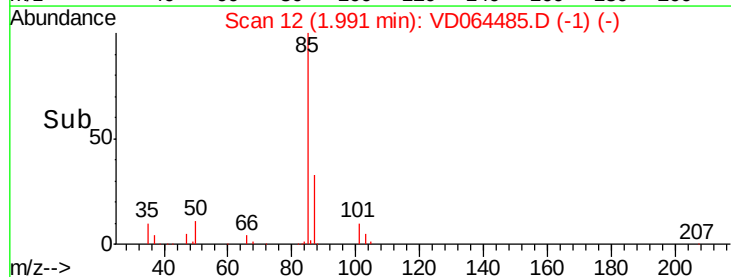
1.90

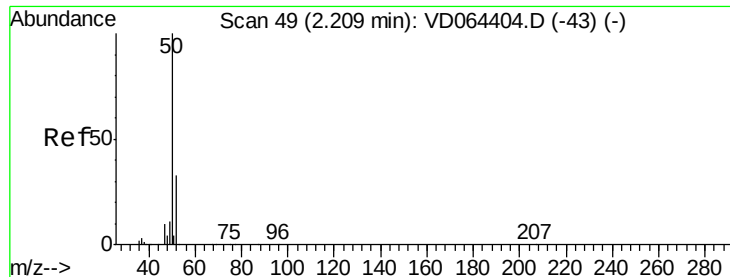
1.95

2.00

2.05

2.10





#3

Chloromethane

Concen: 21.705 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD064485.D

Acq: 10 Dec 2019 12:11

Instrument :

MSVOA_D

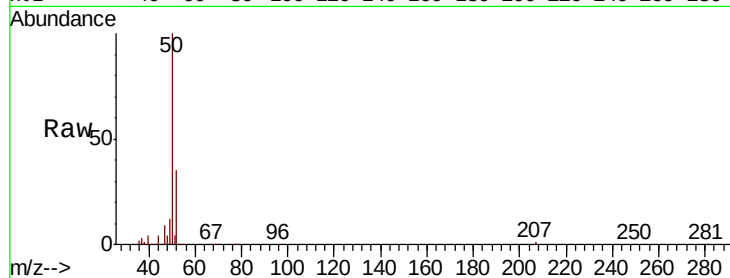
ClientSampleId :

Tot Ion: 50 Resp: 108539

Ion Ratio Lower Upper

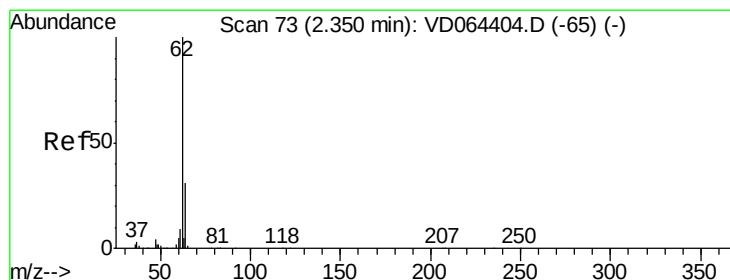
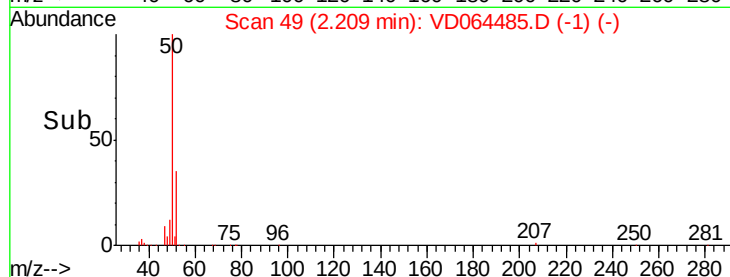
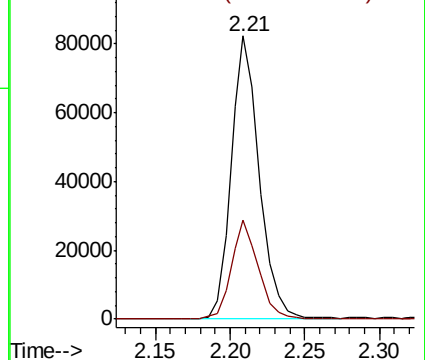
50 100

52 35.0 26.7 40.1



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 23.144 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD064485.D

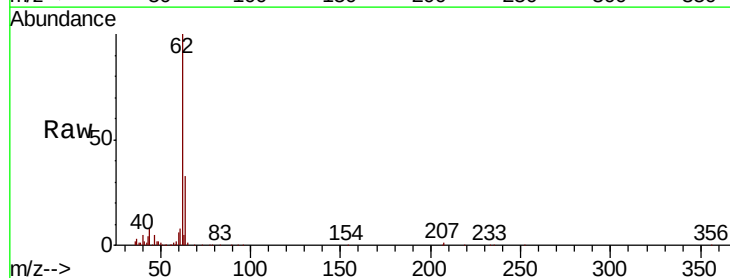
Acq: 10 Dec 2019 12:11

Tgt Ion: 62 Resp: 133633

Ion Ratio Lower Upper

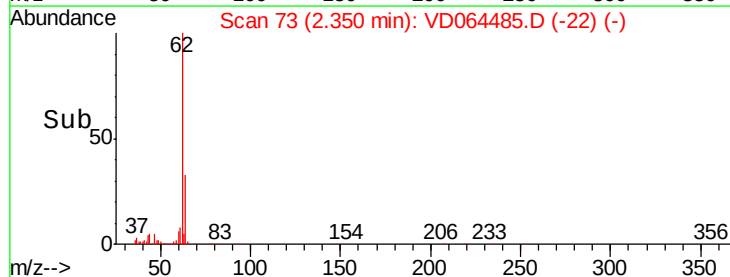
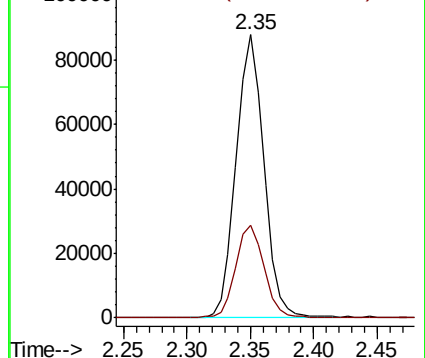
62 100

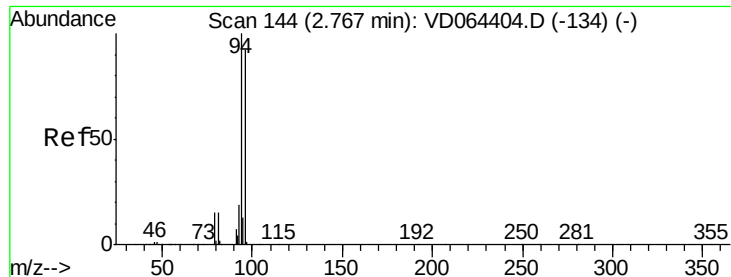
64 32.5 25.0 37.4



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 21.822 ug/l

RT: 2.76 min Scan# 142

Delta R.T. -0.01 min

Lab File: VD064485.D

Acq: 10 Dec 2019 12:11

Instrument :

MSVOA_D

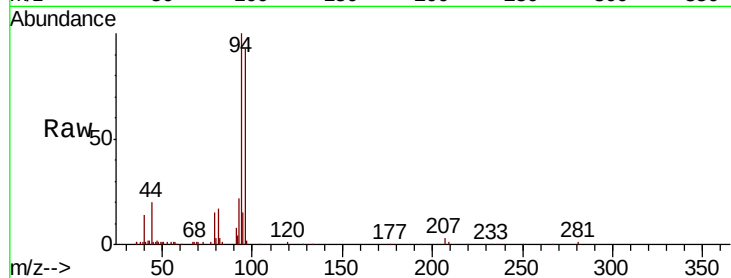
ClientSampleId :

Tot Ion: 94 Resp: 93176

Ion Ratio Lower Upper

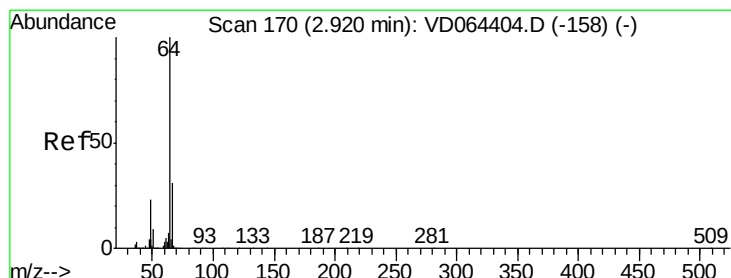
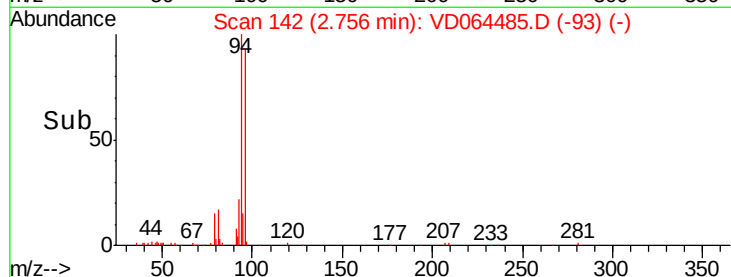
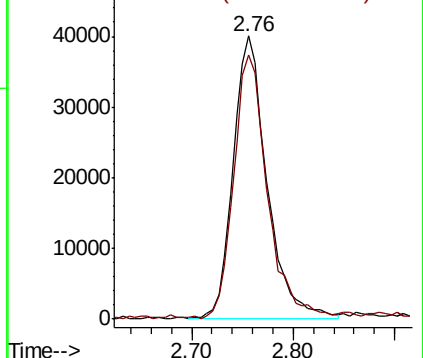
94 100

96 92.8 73.6 110.4



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 22.458 ug/l

RT: 2.92 min Scan# 170

Delta R.T. 0.00 min

Lab File: VD064485.D

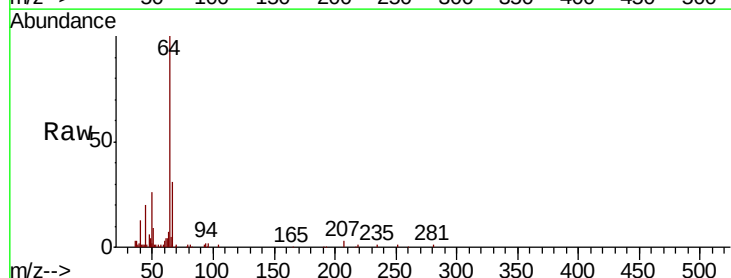
Acq: 10 Dec 2019 12:11

Tgt Ion: 64 Resp: 86670

Ion Ratio Lower Upper

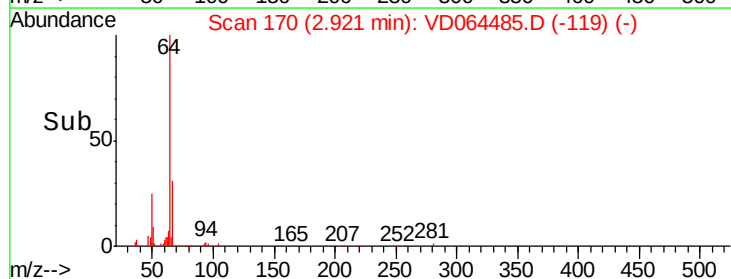
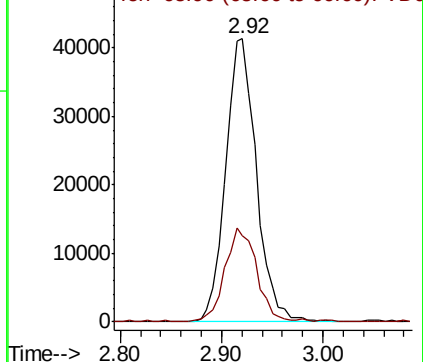
64 100

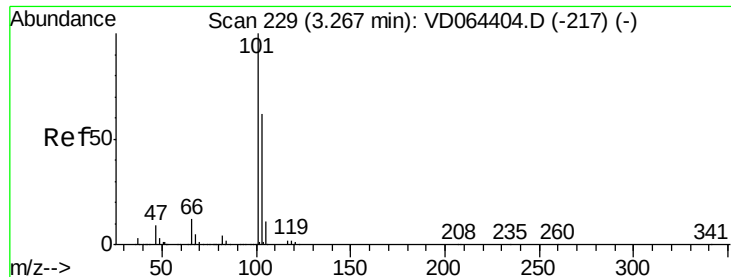
66 30.1 24.6 37.0



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC



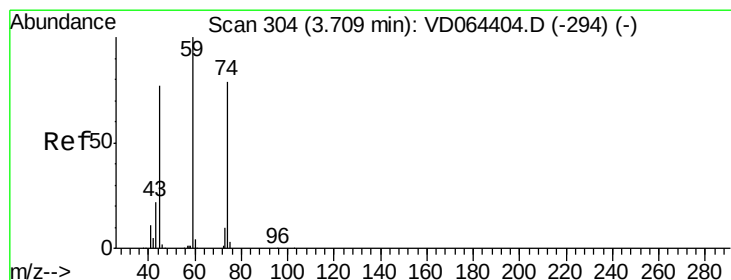
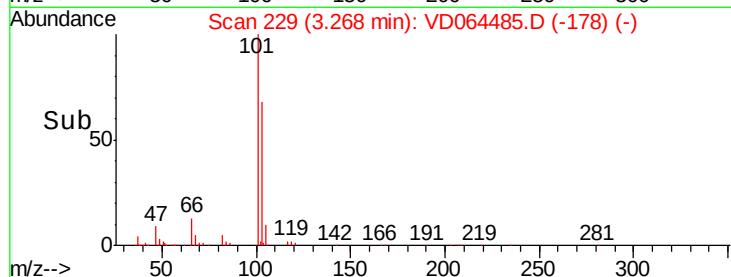
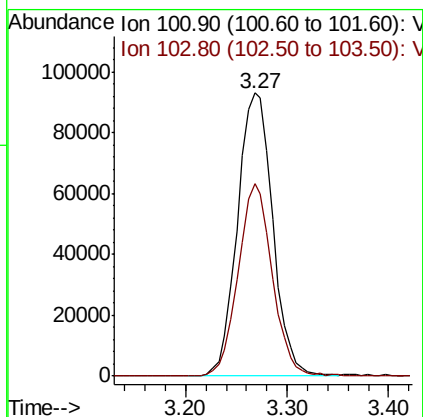
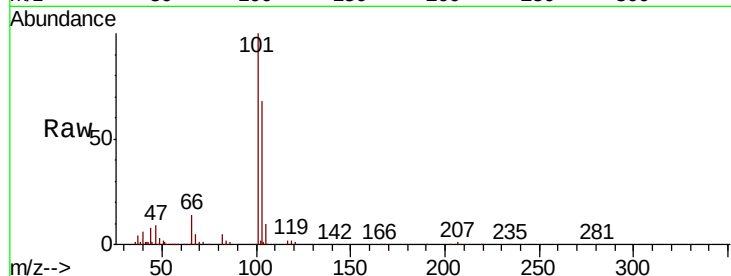


#7

Trichlorofluoromethane
 Concen: 23.374 ug/l
 RT: 3.27 min Scan# 229
 Delta R.T. 0.00 min
 Lab File: VD064485.D
 Acq: 10 Dec 2019 12:11

Instrument :
 MSVOA_D
 ClientSampleId :

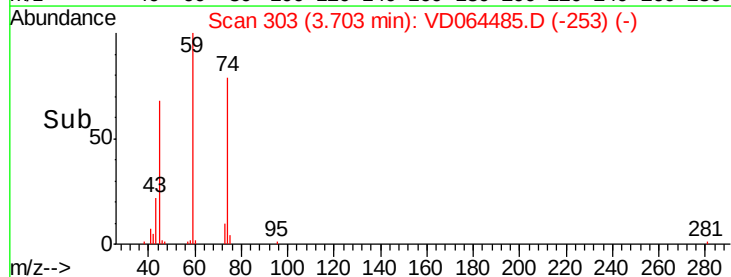
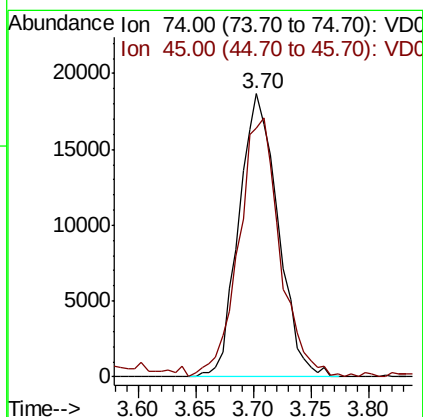
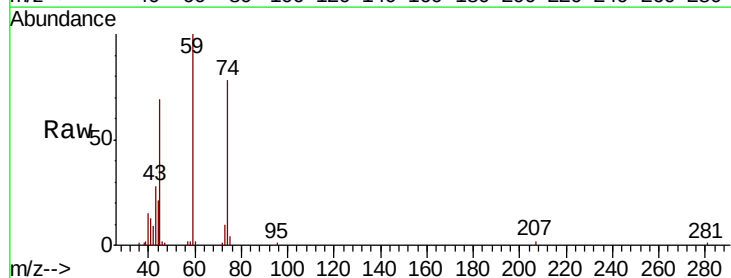
Tot Ion:101 Resp: 224363
 Ion Ratio Lower Upper
 101 100
 103 67.9 49.8 74.6

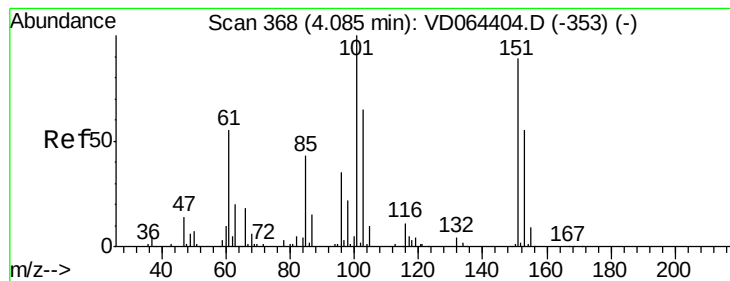


#8

Diethyl Ether
 Concen: 22.092 ug/l
 RT: 3.70 min Scan# 303
 Delta R.T. -0.01 min
 Lab File: VD064485.D
 Acq: 10 Dec 2019 12:11

Tgt Ion: 74 Resp: 44065
 Ion Ratio Lower Upper
 74 100
 45 96.2 48.6 145.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.675 ug/l

RT: 4.09 min Scan# 368

Delta R.T. 0.00 min

Lab File: VD064485.D

Acq: 10 Dec 2019 12:11

Instrument :

MSVOA_D

ClientSampleId :

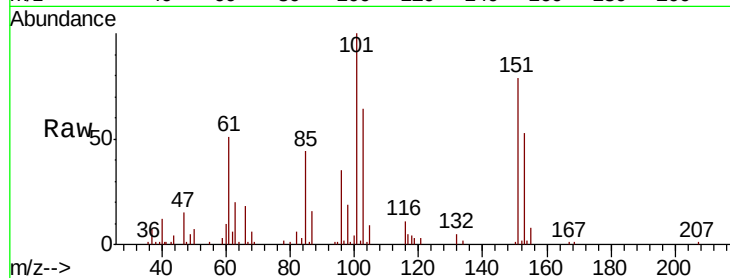
Tot Ion:101 Resp: 93323

Ion Ratio Lower Upper

101 100

85 43.7 34.8 52.2

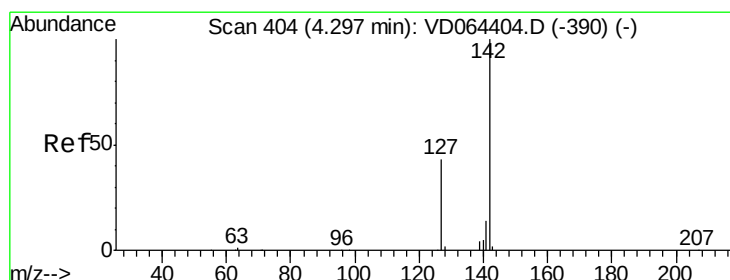
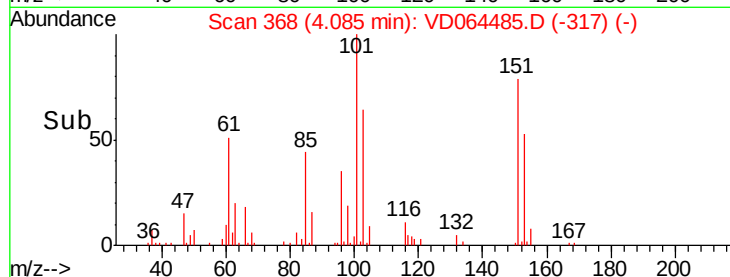
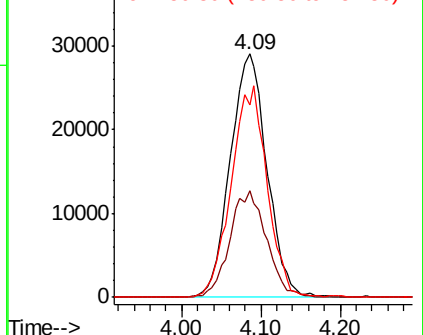
151 84.5 68.8 103.2



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: 22.537 ug/l

RT: 4.29 min Scan# 403

Delta R.T. -0.01 min

Lab File: VD064485.D

Acq: 10 Dec 2019 12:11

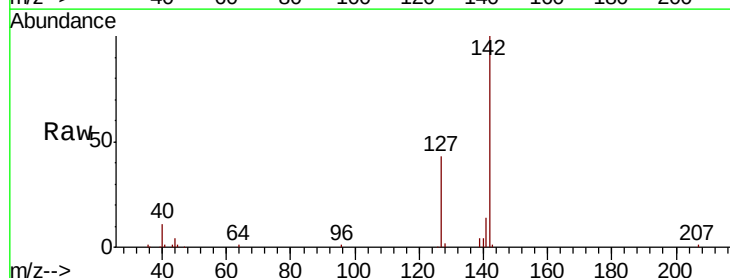
Tgt Ion:142 Resp: 97949

Ion Ratio Lower Upper

142 100

127 43.0 35.3 52.9

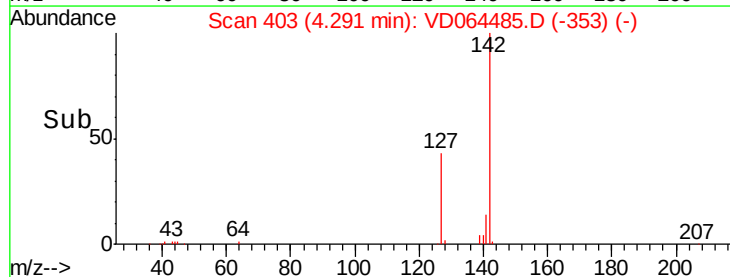
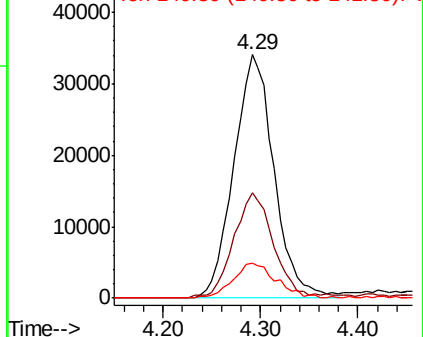
141 15.4 11.6 17.4

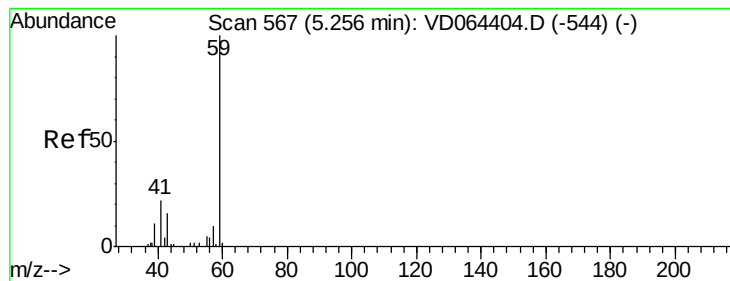


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



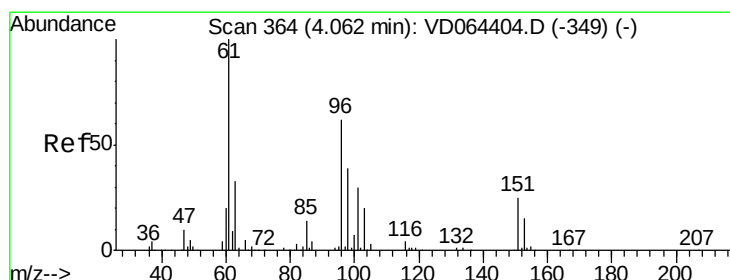
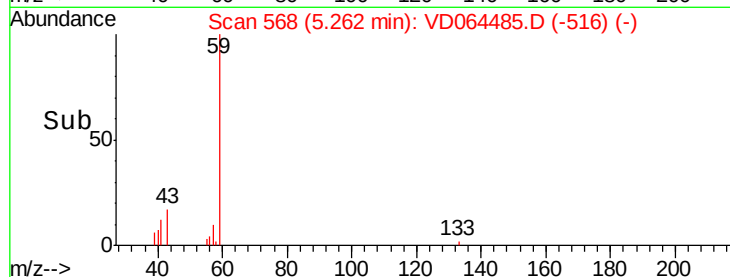
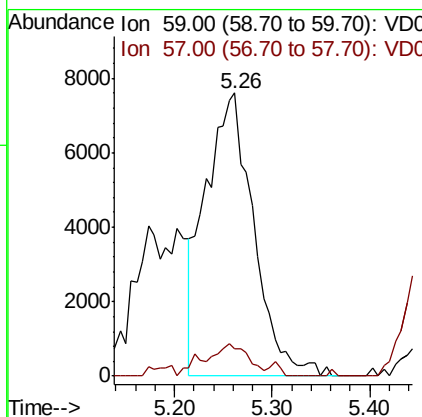
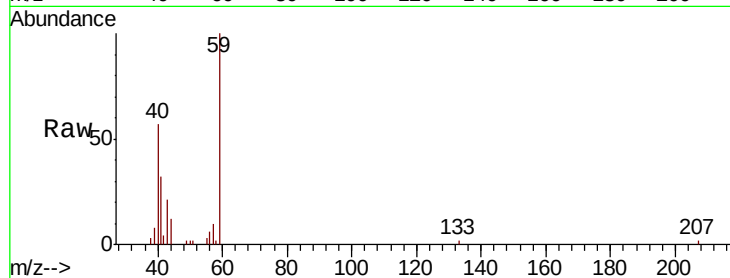


#11

Tert butyl alcohol
Concen: 103.380 ug/l
RT: 5.26 min Scan# 568
Delta R.T. 0.01 min
Lab File: VD064485.D
Acq: 10 Dec 2019 12:11

Instrument :
MSVOA_D
ClientSampled :

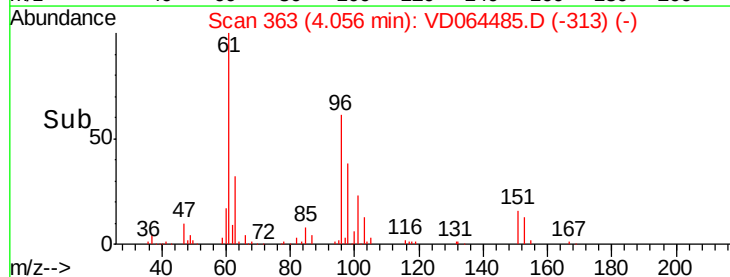
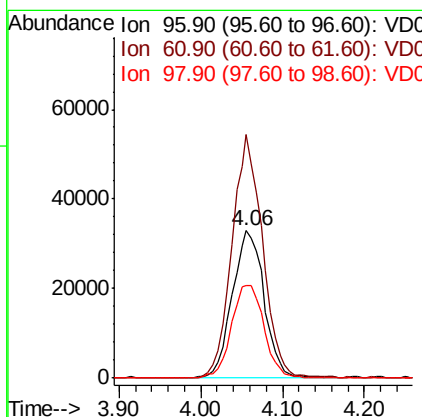
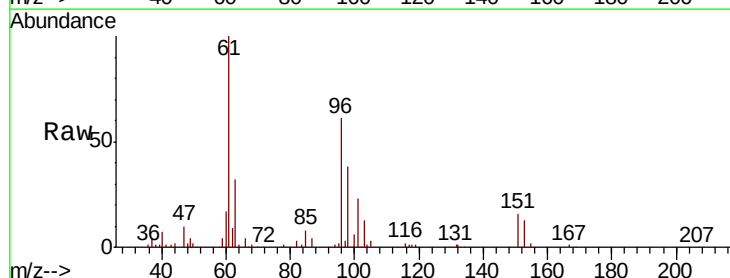
Tot Ion: 59 Resp: 26064
Ion Ratio Lower Upper
59 100
57 5.8 0.0 0.0#

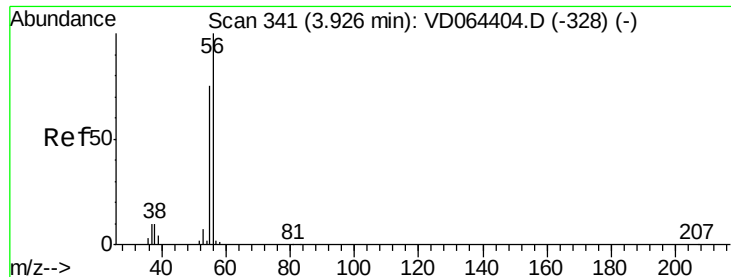


#12

1,1-Dichloroethene
Concen: 22.708 ug/l
RT: 4.06 min Scan# 363
Delta R.T. -0.01 min
Lab File: VD064485.D
Acq: 10 Dec 2019 12:11

Tgt Ion: 96 Resp: 89563
Ion Ratio Lower Upper
96 100
61 165.1 128.2 192.4
98 62.9 50.4 75.6





#13

Acrolein

Concen: 95.329 ug/l

RT: 3.93 min Scan# 341

Delta R.T. 0.00 min

Lab File: VD064485.D

Acq: 10 Dec 2019 12:11

Instrument :

MSVOA_D

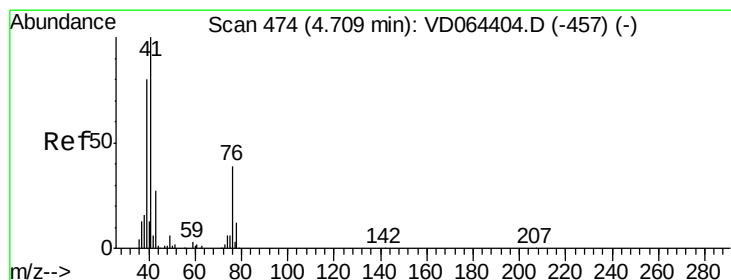
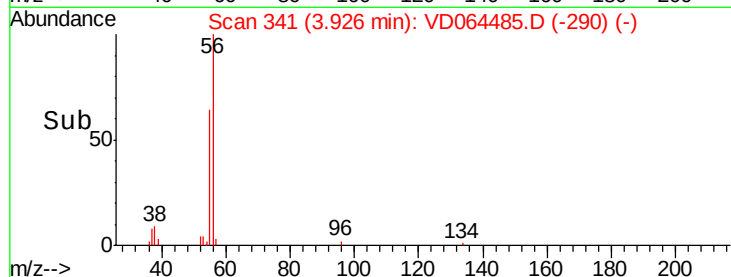
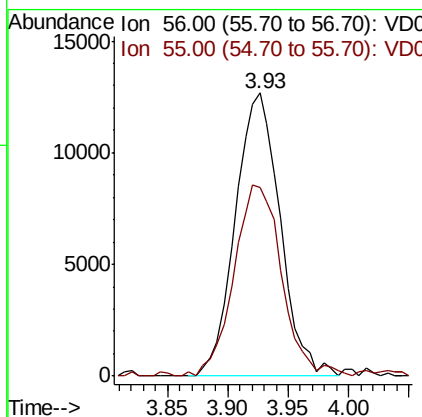
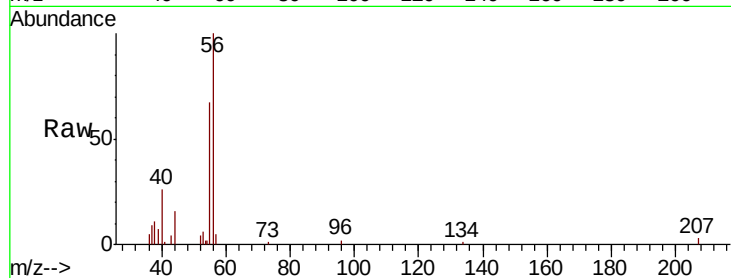
ClientSampleId :

Tot Ion: 56 Resp: 32782

Ion Ratio Lower Upper

56 100

55 72.0 56.9 85.3



#14

Allyl chloride

Concen: 22.608 ug/l

RT: 4.71 min Scan# 474

Delta R.T. 0.00 min

Lab File: VD064485.D

Acq: 10 Dec 2019 12:11

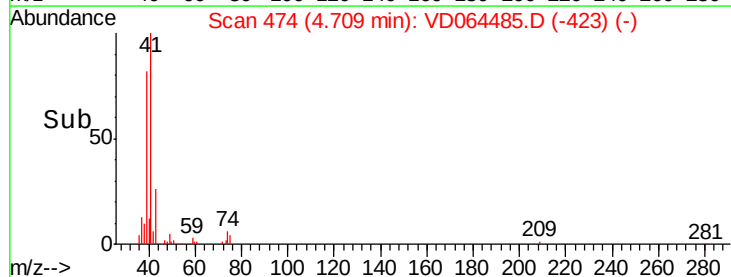
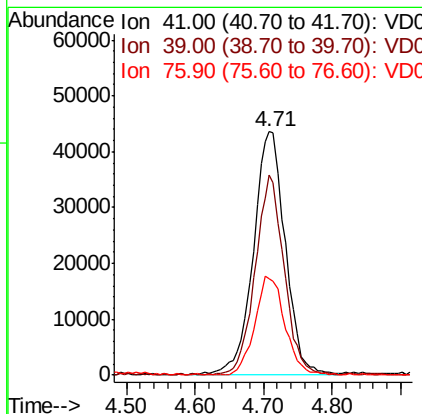
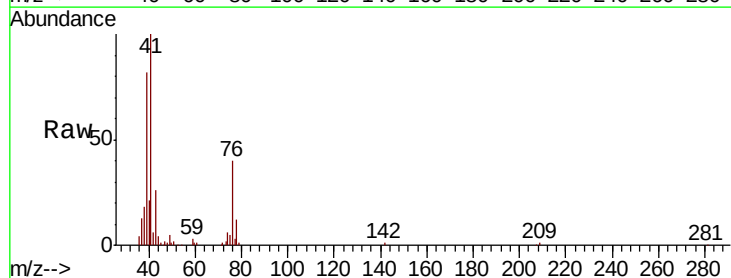
Tgt Ion: 41 Resp: 139156

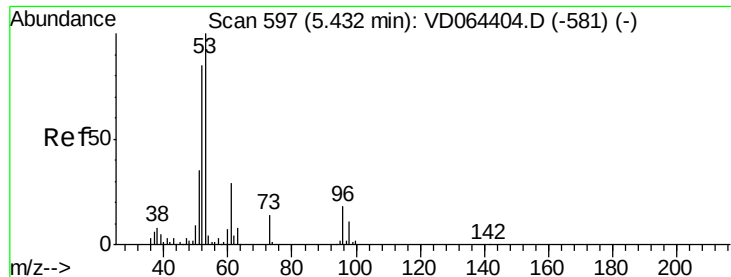
Ion Ratio Lower Upper

41 100

39 75.1 62.1 93.1

76 38.7 29.8 44.8





#15

Acrylonitrile

Concen: 108.122 ug/l

RT: 5.43 min Scan# 596

Delta R.T. -0.01 min

Lab File: VD064485.D

Acq: 10 Dec 2019 12:11

Instrument :

MSVOA_D

ClientSampleId :

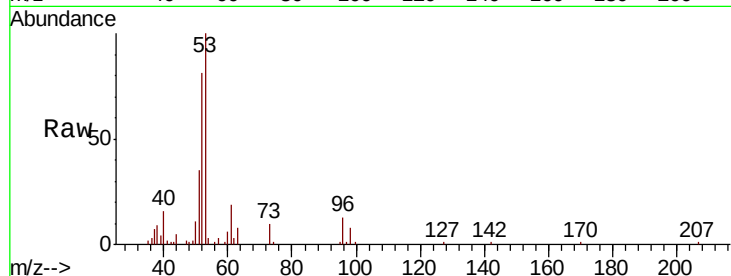
Tot Ion: 53 Resp: 94306

Ion Ratio Lower Upper

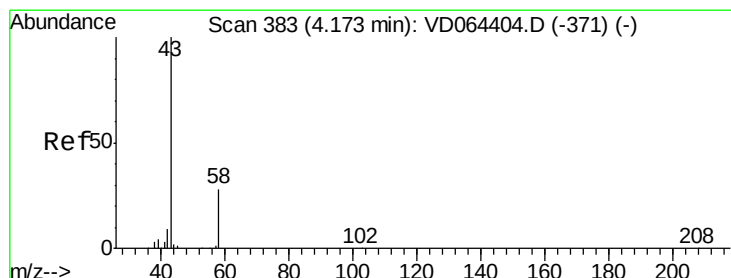
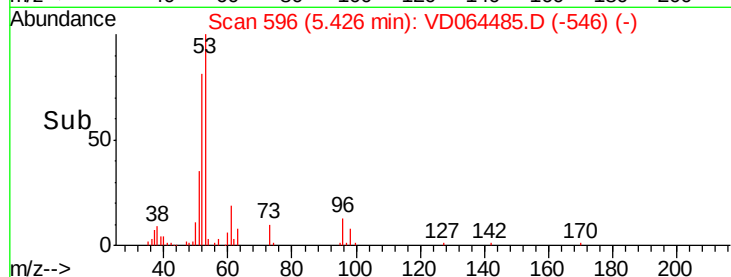
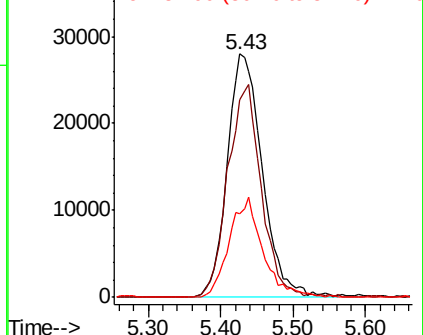
53 100

52 83.2 67.9 101.9

51 38.9 30.6 45.8



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: 108.922 ug/l

RT: 4.17 min Scan# 382

Delta R.T. -0.01 min

Lab File: VD064485.D

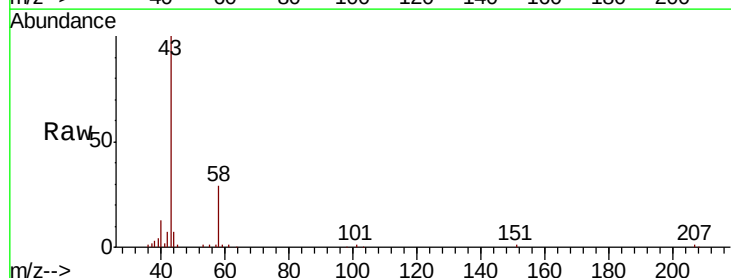
Acq: 10 Dec 2019 12:11

Tgt Ion: 43 Resp: 87178

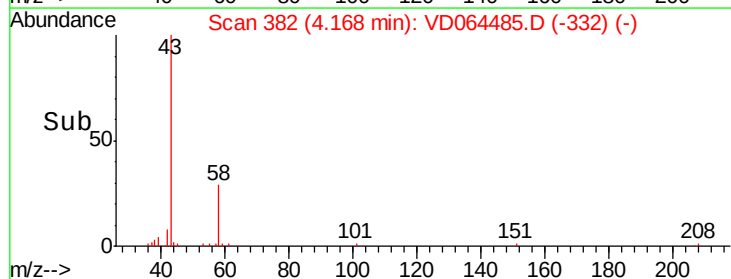
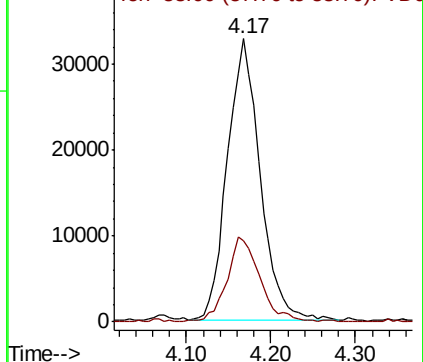
Ion Ratio Lower Upper

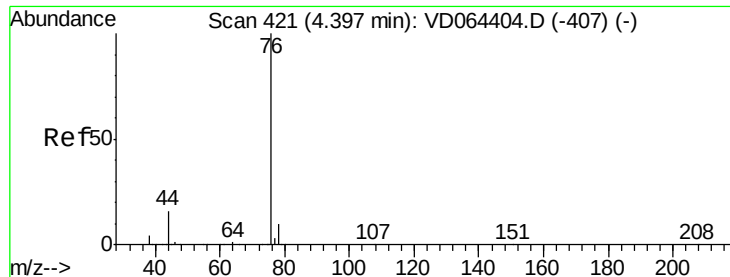
43 100

58 29.0 22.6 33.8



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





#17

Carbon Disulfide

Concen: 22.437 ug/l

RT: 4.40 min Scan# 421

Delta R.T. 0.00 min

Lab File: VD064485.D

Acq: 10 Dec 2019 12:11

Instrument :

MSVOA_D

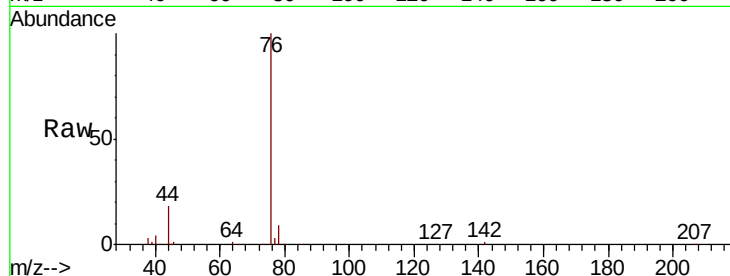
ClientSampleId :

Tot Ion: 76 Resp: 280276

Ion Ratio Lower Upper

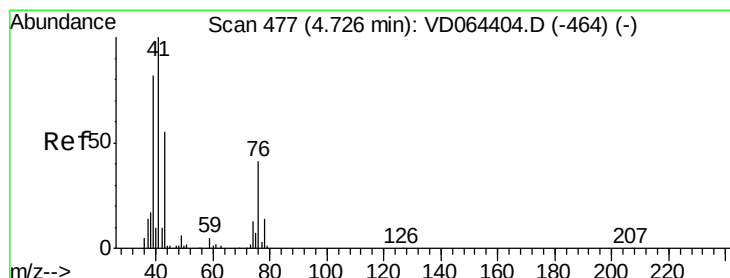
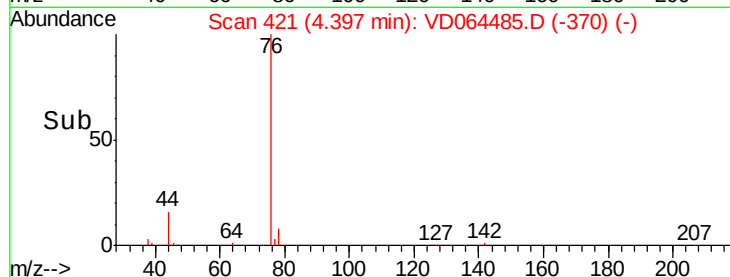
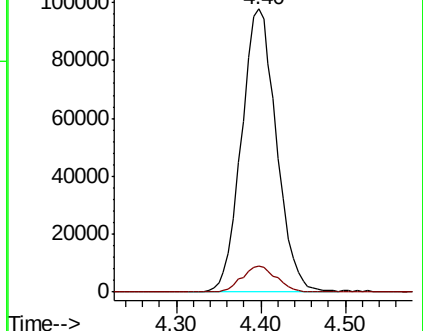
76 100

78 9.4 7.8 11.8



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#18

Methyl Acetate

Concen: 22.073 ug/l

RT: 4.72 min Scan# 476

Delta R.T. -0.01 min

Lab File: VD064485.D

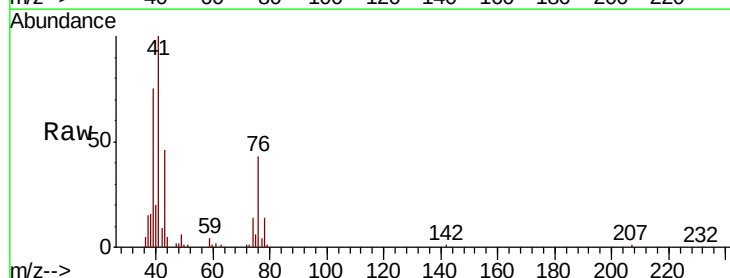
Acq: 10 Dec 2019 12:11

Tgt Ion: 43 Resp: 51532

Ion Ratio Lower Upper

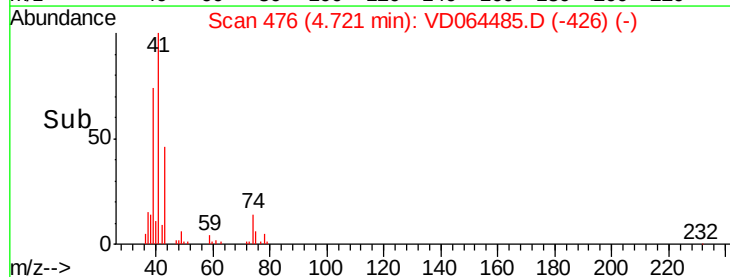
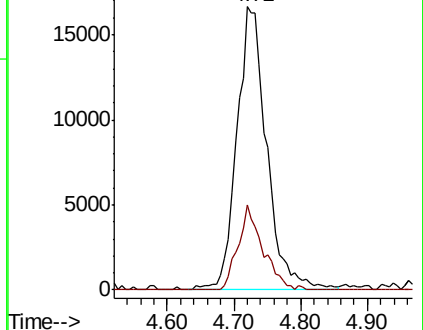
43 100

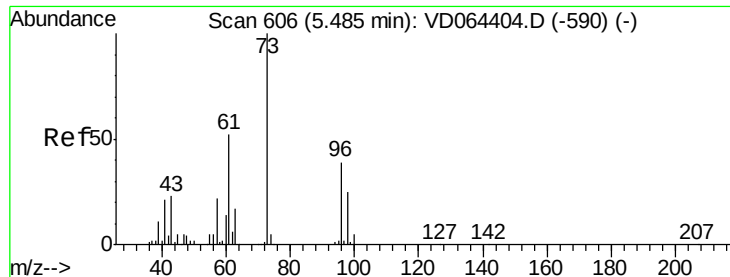
74 24.6 19.7 29.5



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC

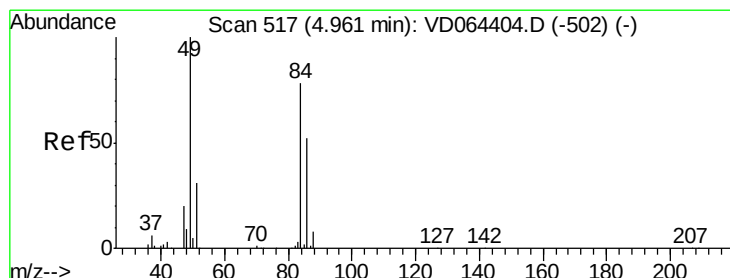
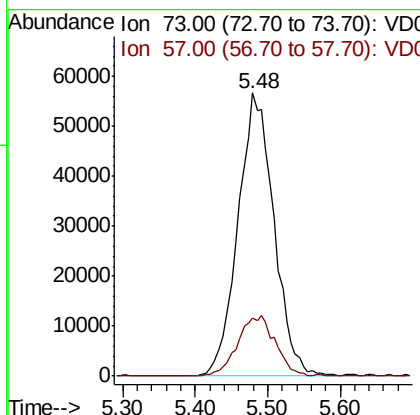
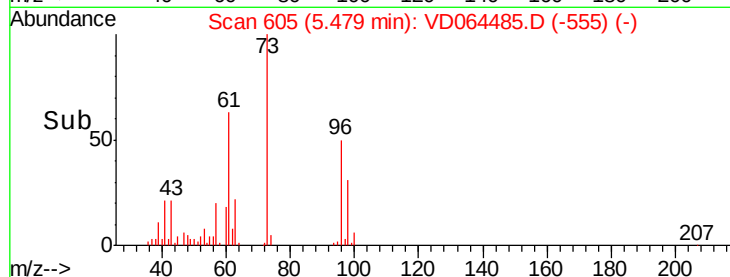
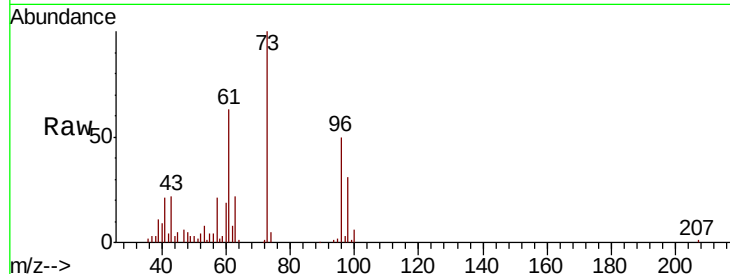




#19
Methyl tert-butyl Ether
Concen: 21.549 ug/l
RT: 5.48 min Scan# 605
Delta R.T. -0.01 min
Lab File: VD064485.D
Acq: 10 Dec 2019 12:11

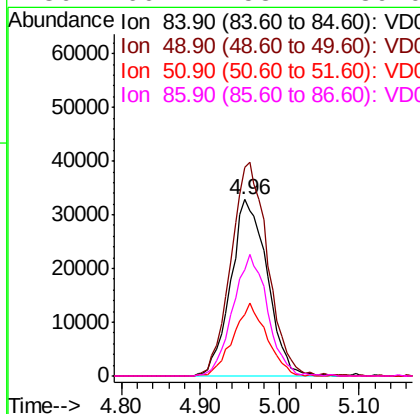
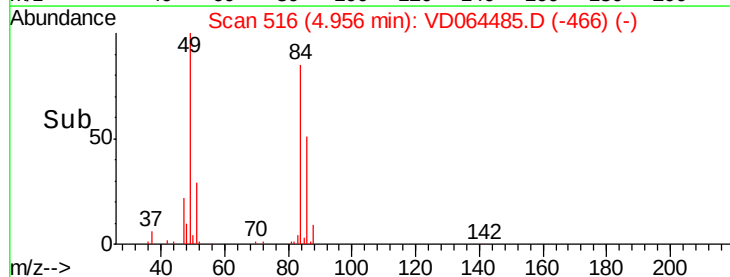
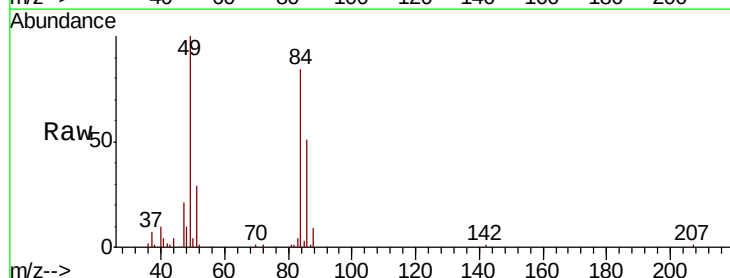
Instrument :
MSVOA_D
ClientSampled :

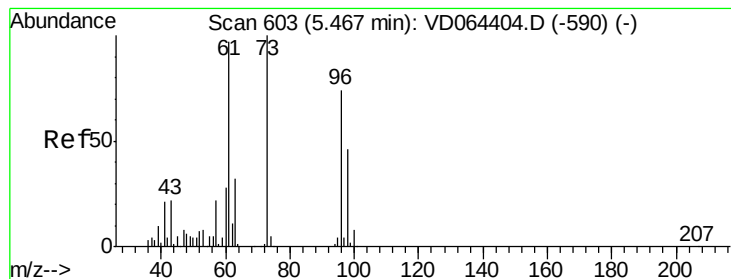
Tot Ion: 73 Resp: 194960
Ion Ratio Lower Upper
73 100
57 20.6 17.6 26.4



#20
Methylene Chloride
Concen: 23.362 ug/l
RT: 4.96 min Scan# 516
Delta R.T. -0.01 min
Lab File: VD064485.D
Acq: 10 Dec 2019 12:11

Tgt Ion: 84 Resp: 104642
Ion Ratio Lower Upper
84 100
49 118.7 102.6 153.8
51 34.5 32.0 48.0
86 60.2 53.4 80.0





#21

trans-1,2-Dichloroethene

Concen: 22.560 ug/l

RT: 5.46 min Scan# 602

Delta R.T. -0.01 min

Lab File: VD064485.D

Acq: 10 Dec 2019 12:11

Instrument :

MSVOA_D

ClientSampled :

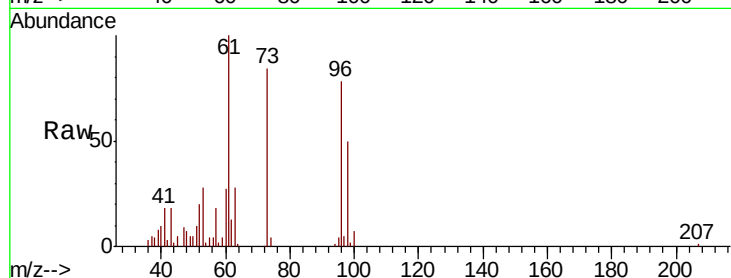
Tot Ion: 96 Resp: 100647

Ion Ratio Lower Upper

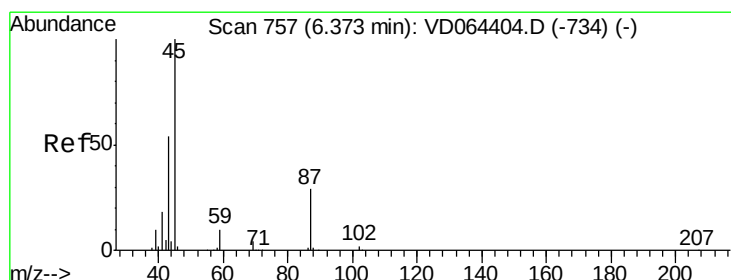
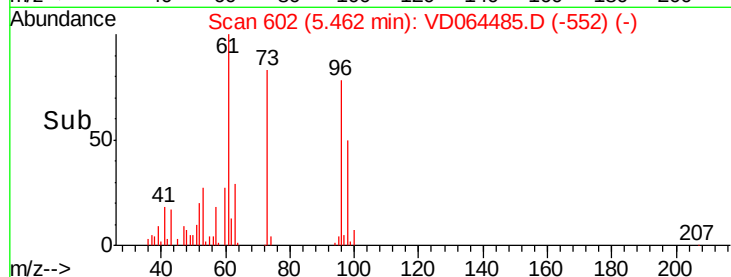
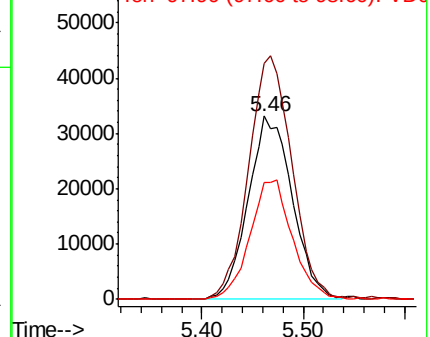
96 100

61 128.9 105.8 158.6

98 64.1 50.1 75.1



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: 22.134 ug/l

RT: 6.37 min Scan# 756

Delta R.T. -0.01 min

Lab File: VD064485.D

Acq: 10 Dec 2019 12:11

Tgt Ion: 45 Resp: 268949

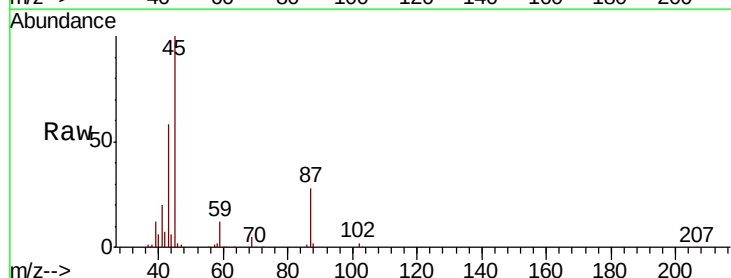
Ion Ratio Lower Upper

45 100

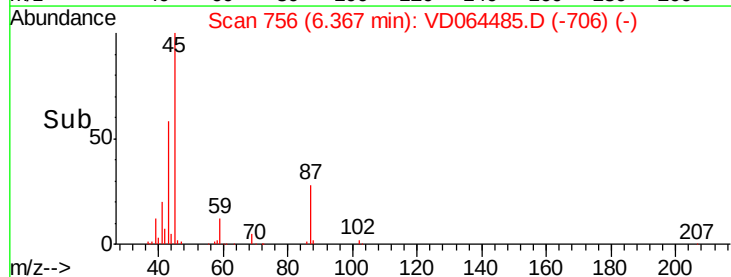
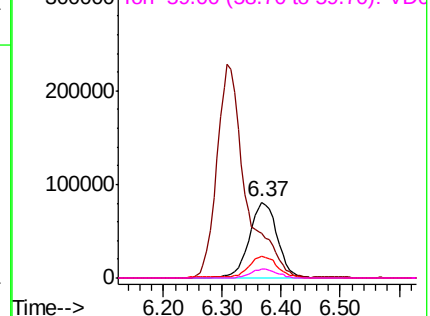
43 57.3 43.1 64.7

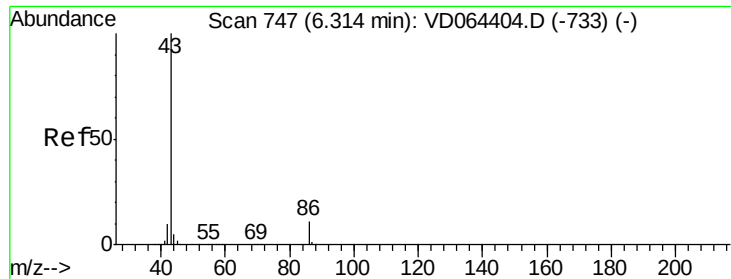
87 28.2 23.5 35.3

59 12.4 8.2 12.2#



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





#23

Vinyl Acetate

Concen: 108.102 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.01 min

Lab File: VD064485.D

Acq: 10 Dec 2019 12:11

Instrument :

MSVOA_D

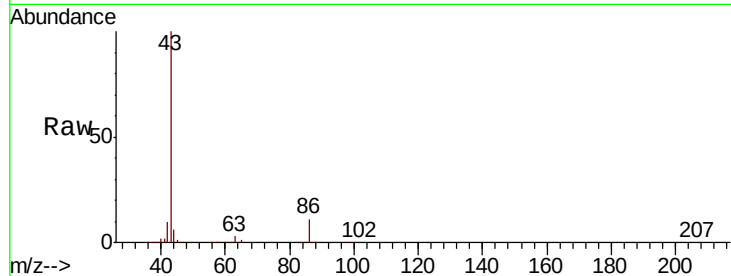
ClientSampled :

Tot Ion: 43 Resp: 774394

Ion Ratio Lower Upper

43 100

86 10.7 8.9 13.3



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC

6.31

250000

200000

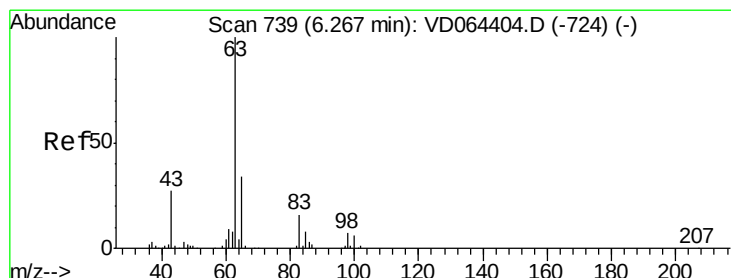
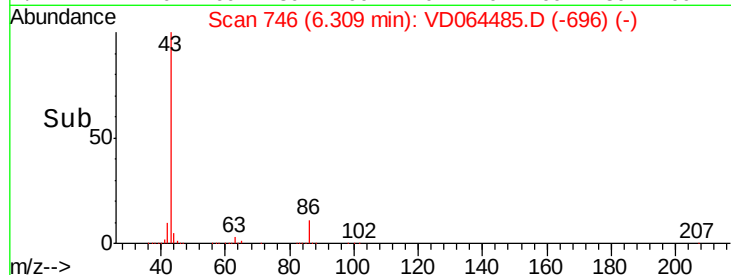
150000

100000

50000

0

Time-->



#24

1,1-Dichloroethane

Concen: 22.644 ug/l

RT: 6.26 min Scan# 738

Delta R.T. -0.01 min

Lab File: VD064485.D

Acq: 10 Dec 2019 12:11

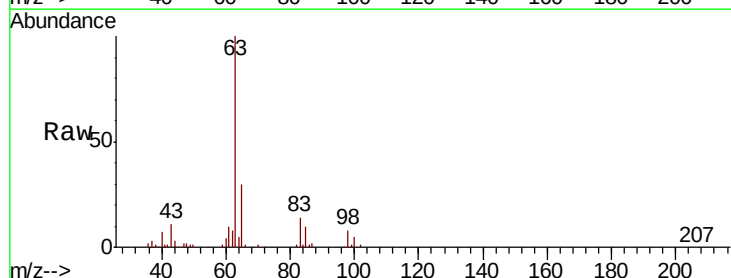
Tgt Ion: 63 Resp: 165470

Ion Ratio Lower Upper

63 100

98 7.8 3.6 10.9

100 4.5 2.9 8.6



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

6.26

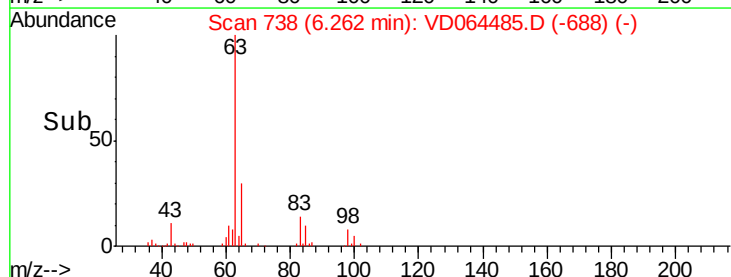
60000

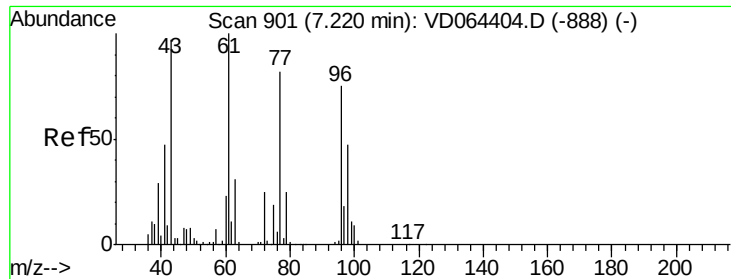
40000

20000

0

Time-->





#25

2-Butanone

Concen: 106.638 ug/l

RT: 7.23 min Scan# 902

Delta R.T. 0.01 min

Lab File: VD064485.D

Acq: 10 Dec 2019 12:11

Instrument :

MSVOA_D

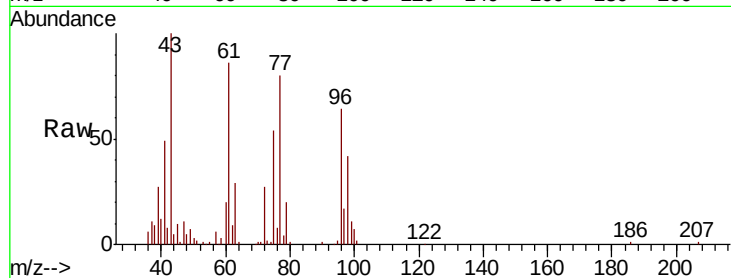
ClientSampleId :

Tot Ion: 43 Resp: 120703

Ion Ratio Lower Upper

43 100

72 27.0 21.0 31.4



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

7.23

50000

40000

30000

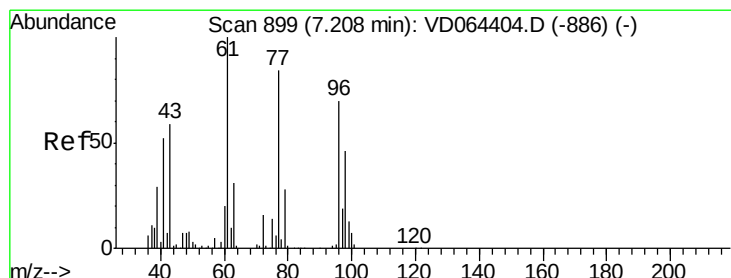
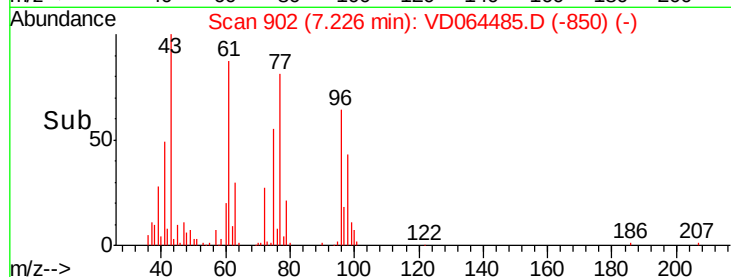
20000

10000

0

7.15 7.20 7.25 7.30

Time-->



#26

2,2-Dichloropropane

Concen: 23.688 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.01 min

Lab File: VD064485.D

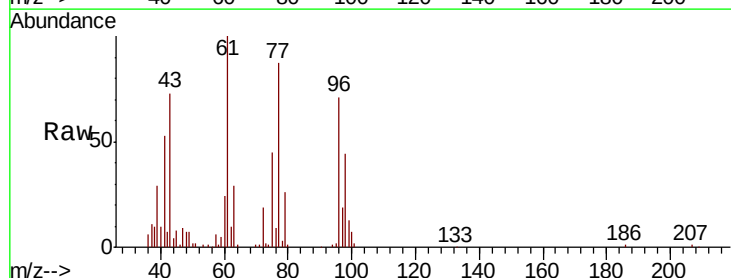
Acq: 10 Dec 2019 12:11

Tgt Ion: 77 Resp: 150538

Ion Ratio Lower Upper

77 100

97 22.3 11.6 34.7



Abundance Ion 76.90 (76.60 to 77.60): VDC

Ion 96.90 (96.60 to 97.60): VDC

7.21

50000

40000

30000

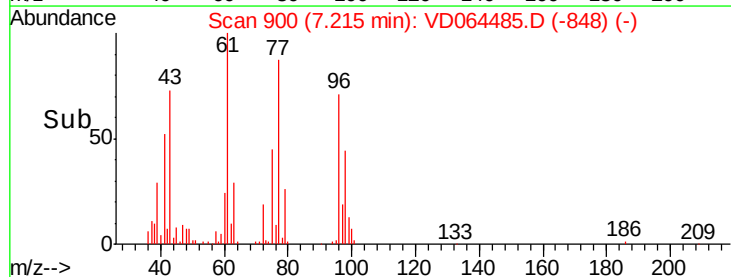
20000

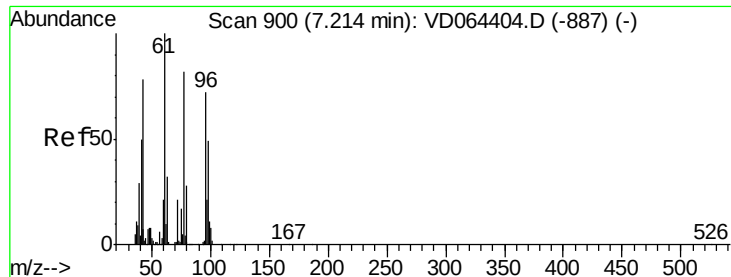
10000

0

7.10 7.20 7.30

Time-->



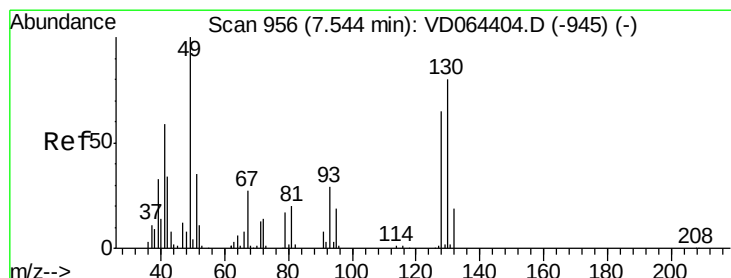
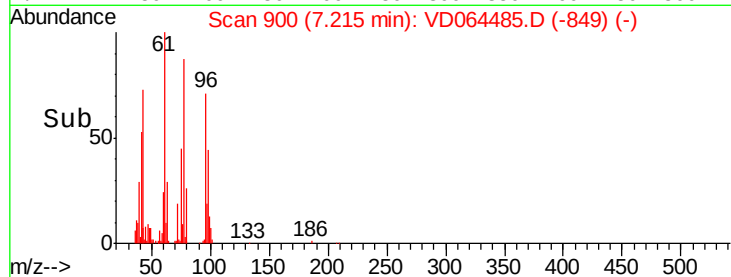
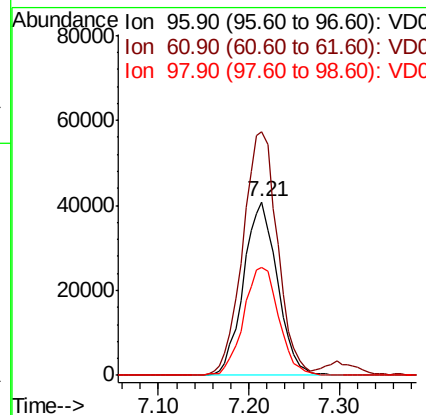
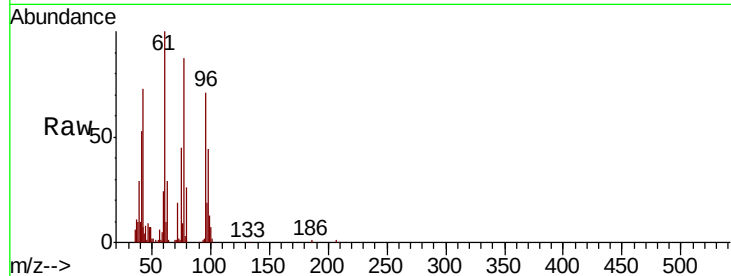


#27

cis-1,2-Dichloroethene
Concen: 21.760 ug/l
RT: 7.21 min Scan# 900
Delta R.T. 0.00 min
Lab File: VD064485.D
Acq: 10 Dec 2019 12:11

Instrument :
MSVOA_D
ClientSampleId :

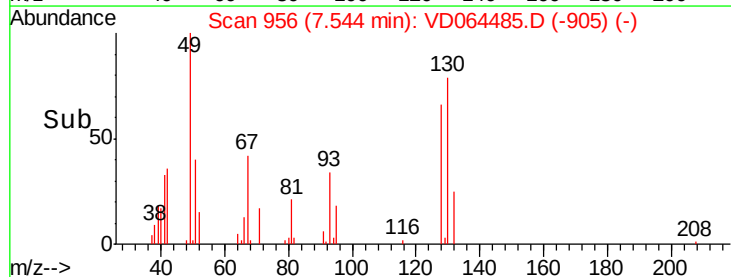
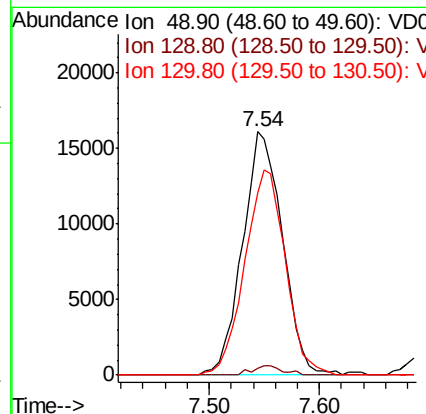
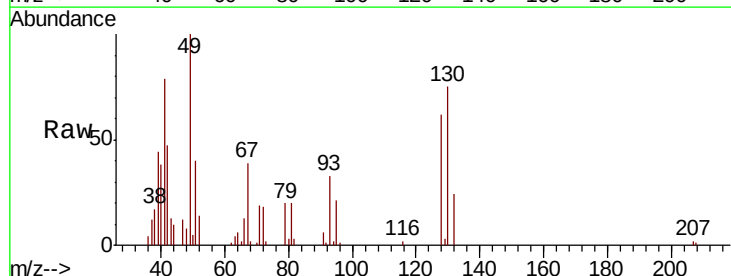
Tot Ion	96	Resp	105837
Ion Ratio	Lower	Upper	
96	100		
61	143.8	0.0	279.6
98	64.6	0.0	129.2

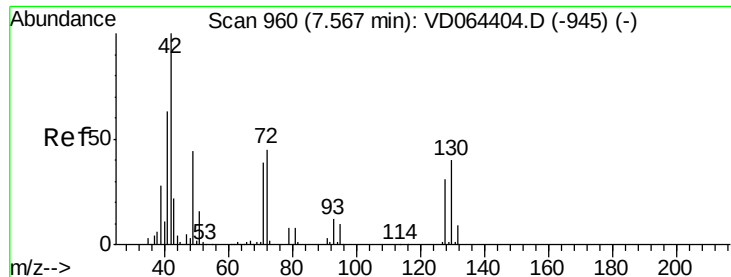


#28

Bromochloromethane
Concen: 16.371 ug/l
RT: 7.54 min Scan# 956
Delta R.T. 0.00 min
Lab File: VD064485.D
Acq: 10 Dec 2019 12:11

Tgt Ion	49	Resp	40884
Ion Ratio	Lower	Upper	
49	100		
129	2.9	0.0	4.4
130	85.6	67.4	101.0

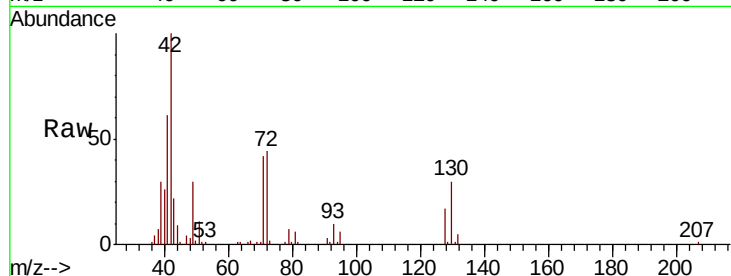




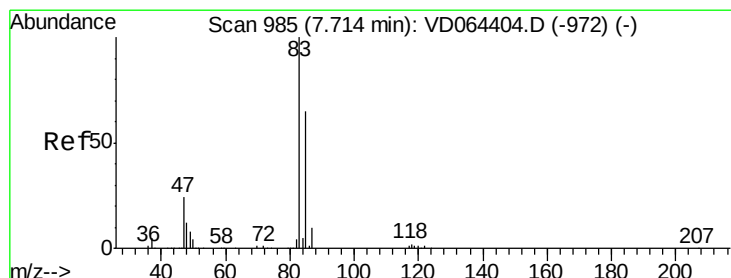
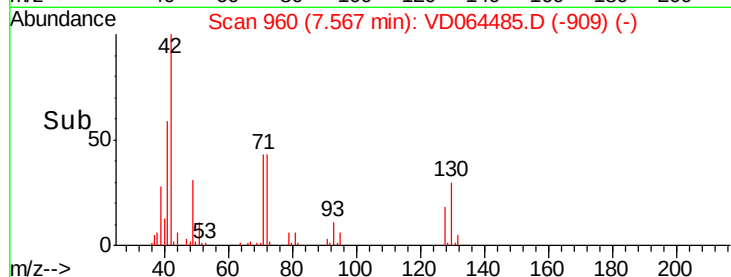
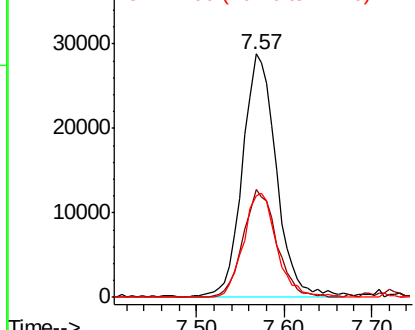
#29
Tetrahydrofuran
Concen: 105.140 ug/l
RT: 7.57 min Scan# 960
Delta R.T. 0.00 min
Lab File: VD064485.D
Acq: 10 Dec 2019 12:11

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 42 Resp: 75715
Ion Ratio Lower Upper
42 100
72 43.6 35.8 53.8
71 42.1 32.7 49.1

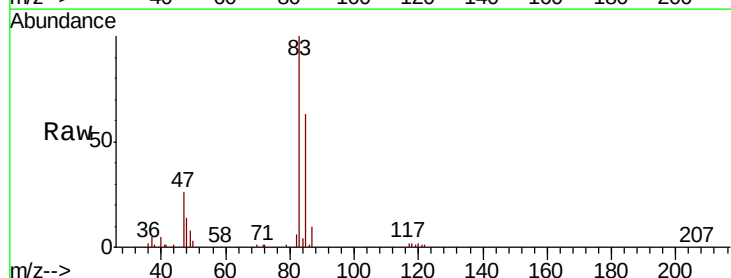


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

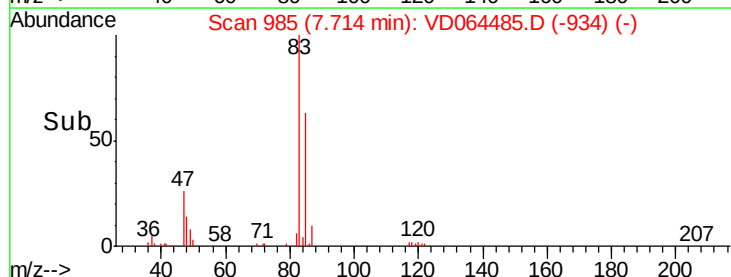
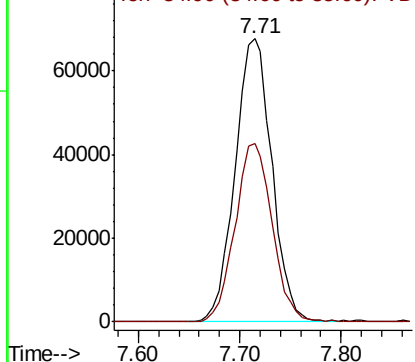


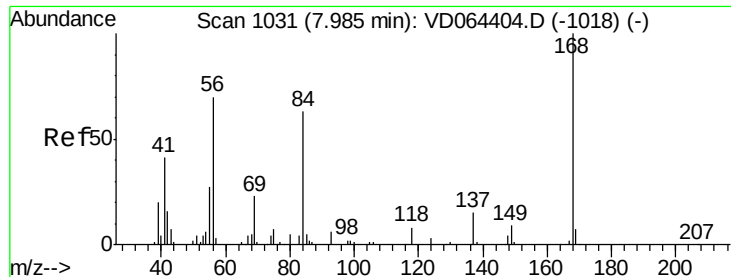
#30
Chloroform
Concen: 22.528 ug/l
RT: 7.71 min Scan# 985
Delta R.T. 0.00 min
Lab File: VD064485.D
Acq: 10 Dec 2019 12:11

Tgt Ion: 83 Resp: 170495
Ion Ratio Lower Upper
83 100
85 63.1 51.8 77.6



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

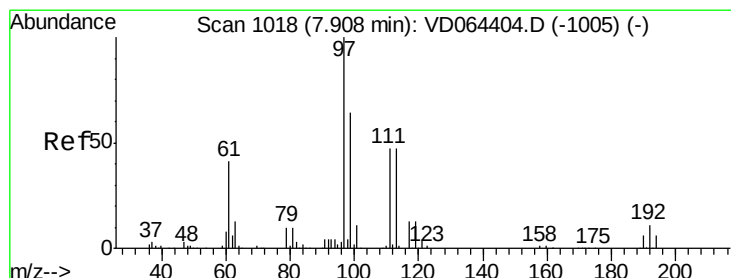
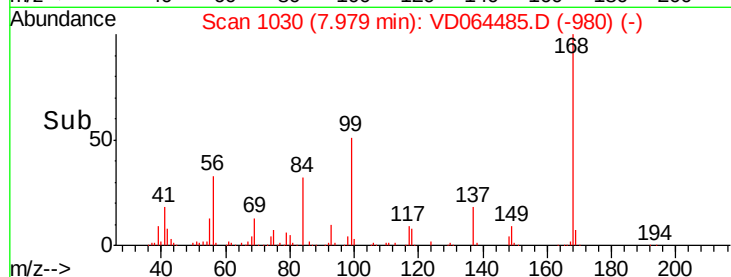
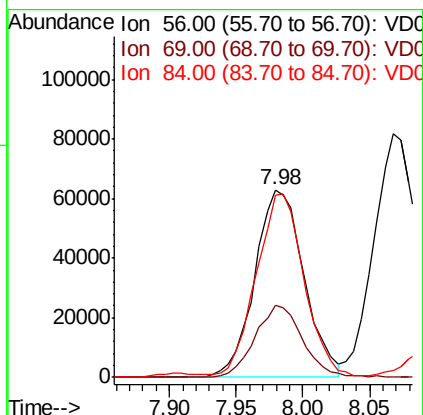
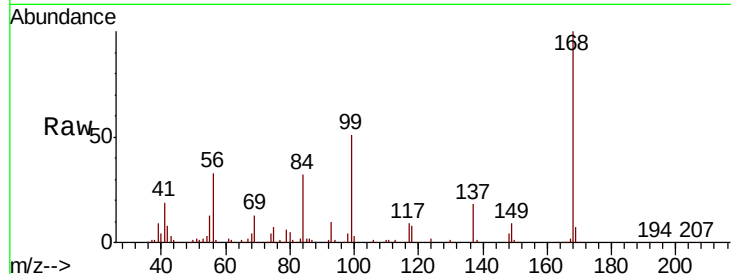




#31
Cyclohexane
Concen: 22.610 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.00 min
Lab File: VD064485.D
Acq: 10 Dec 2019 12:11

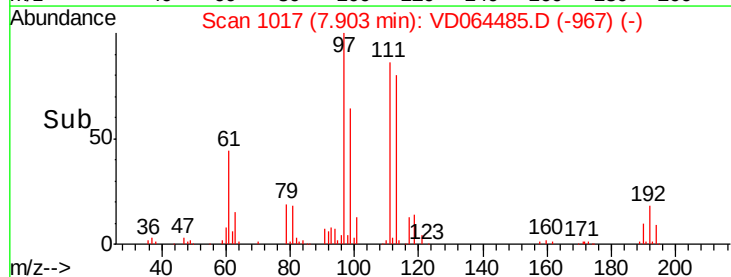
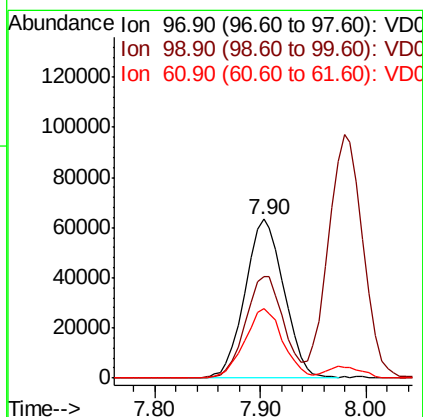
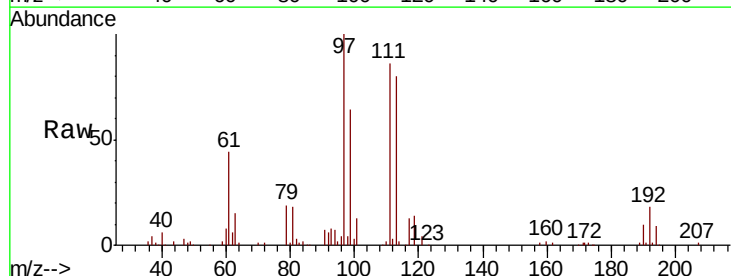
Instrument :
MSVOA_D
ClientSampled :

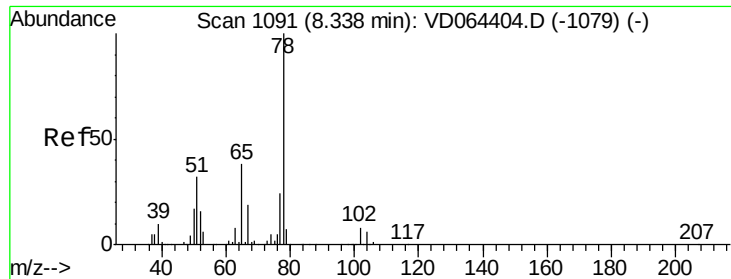
Tot Ion: 56 Resp: 160281
Ion Ratio Lower Upper
56 100
69 38.2 26.2 39.4
84 95.5 70.3 105.5



#32
1,1,1-Trichloroethane
Concen: 23.105 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. -0.01 min
Lab File: VD064485.D
Acq: 10 Dec 2019 12:11

Tgt Ion: 97 Resp: 162115
Ion Ratio Lower Upper
97 100
99 62.4 51.4 77.2
61 43.0 35.0 52.4

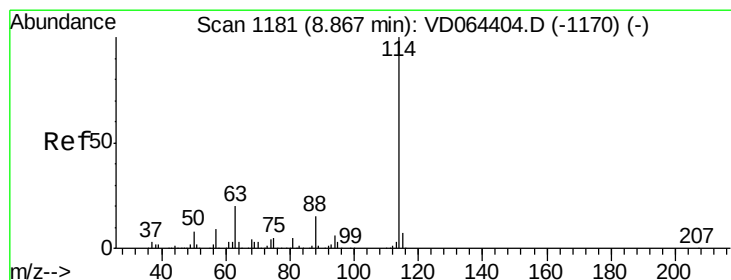
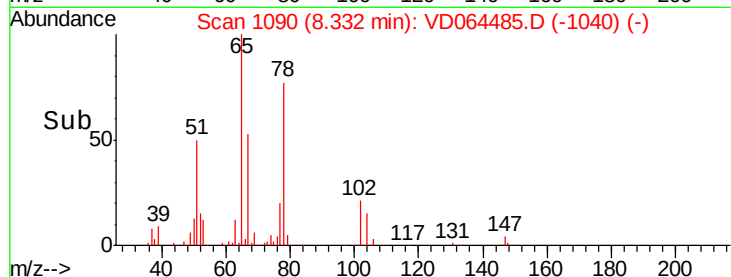
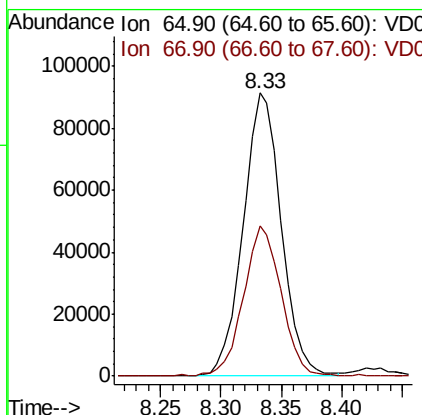
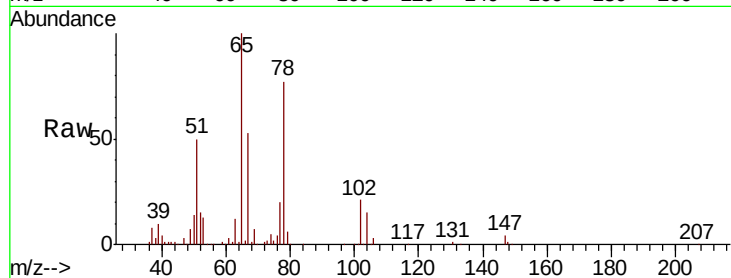




#33
 1,2-Dichloroethane-d4
 Concen: 50.767 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. -0.01 min
 Lab File: VD064485.D
 Acq: 10 Dec 2019 12:11

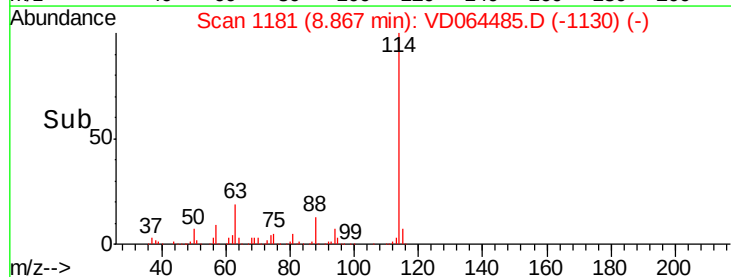
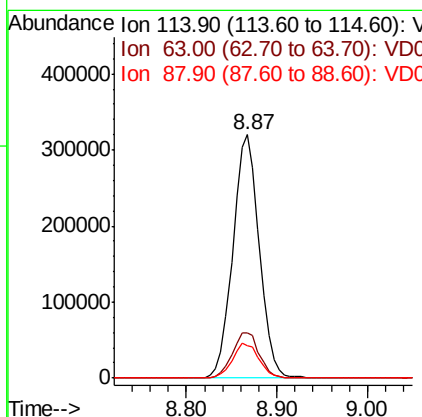
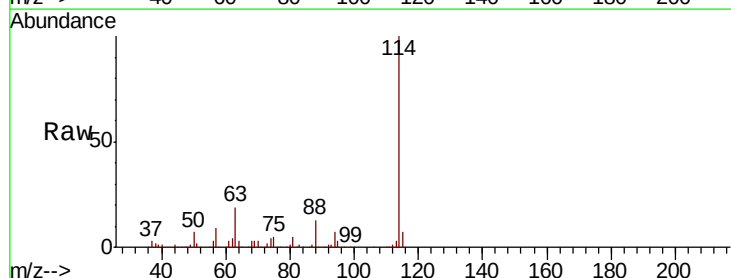
Instrument :
 MSVOA_D
 ClientSampled :

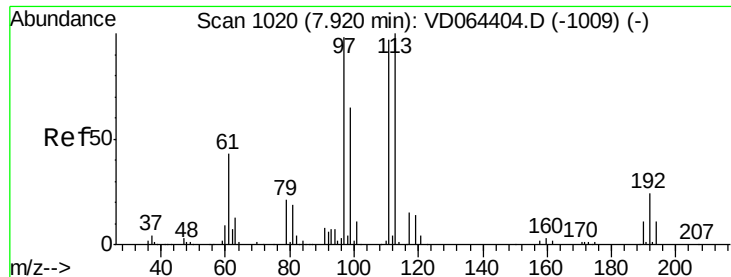
Tot Ion: 65 Resp: 201073
 Ion Ratio Lower Upper
 65 100
 67 52.6 0.0 102.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD064485.D
 Acq: 10 Dec 2019 12:11

Tgt Ion: 114 Resp: 647619
 Ion Ratio Lower Upper
 114 100
 63 18.6 0.0 40.0
 88 13.1 0.0 29.2

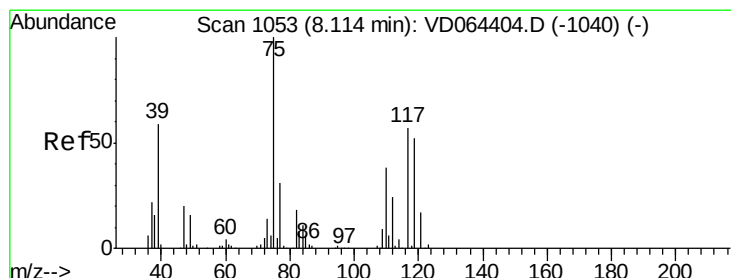
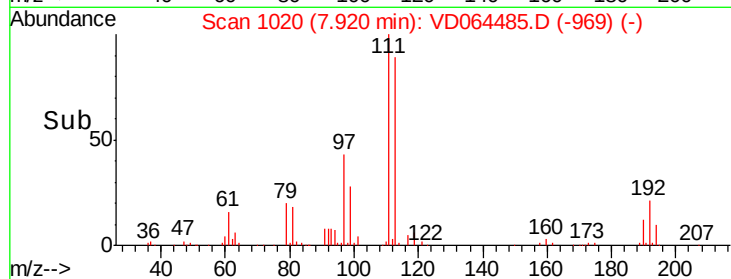
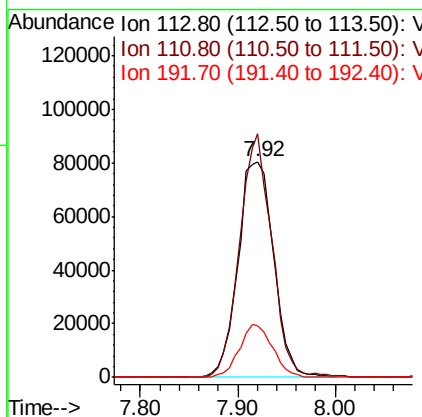
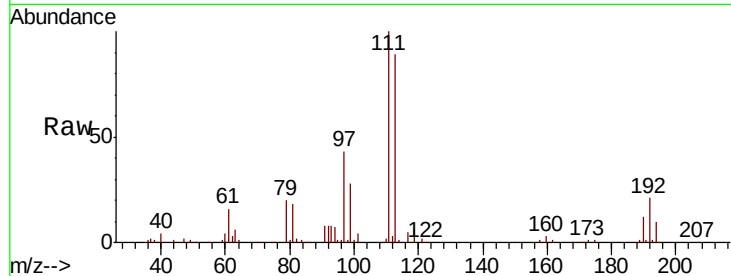




#35
 Dibromofluoromethane
 Concen: 50.131 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD064485.D
 Acq: 10 Dec 2019 12:11

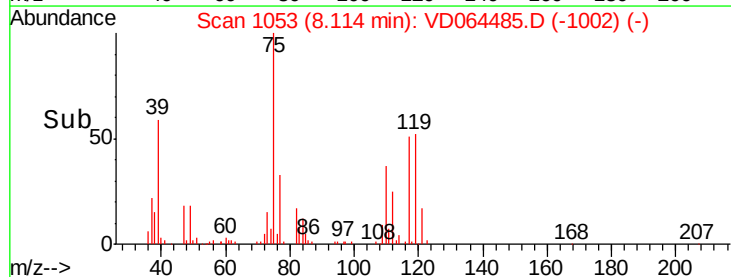
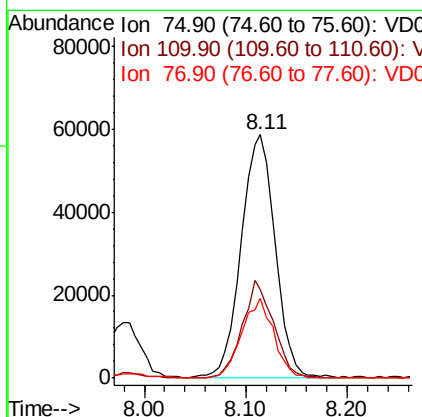
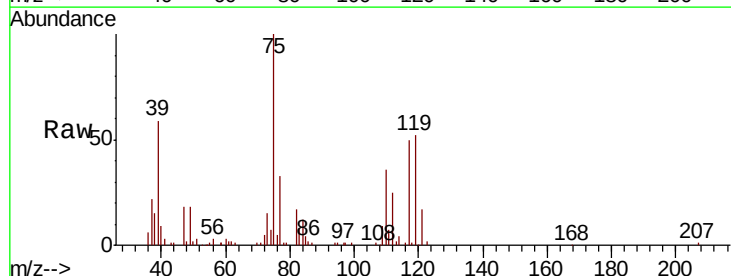
Instrument :
 MSVOA_D
 ClientSampleId :

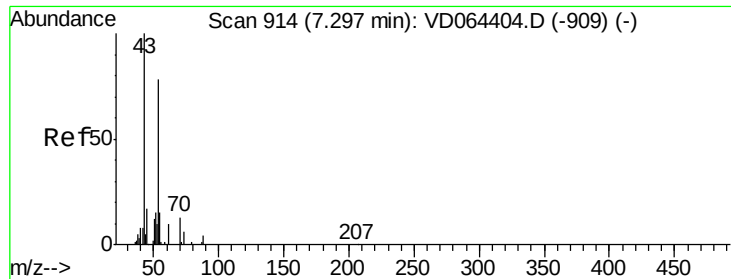
Tot Ion:113 Resp: 204552
 Ion Ratio Lower Upper
 113 100
 111 102.4 79.4 119.2
 192 22.9 18.6 28.0



#36
 1,1-Dichloropropene
 Concen: 22.232 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. 0.00 min
 Lab File: VD064485.D
 Acq: 10 Dec 2019 12:11

Tgt Ion: 75 Resp: 136182
 Ion Ratio Lower Upper
 75 100
 110 37.1 18.6 55.8
 77 31.1 25.0 37.4

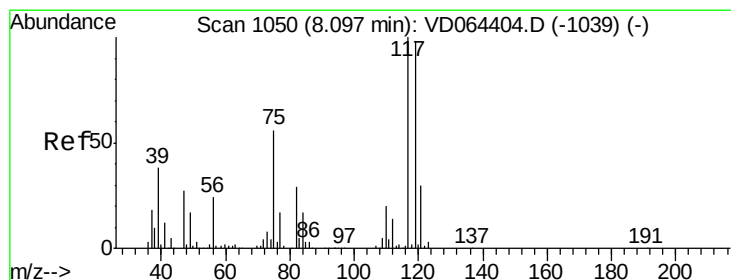
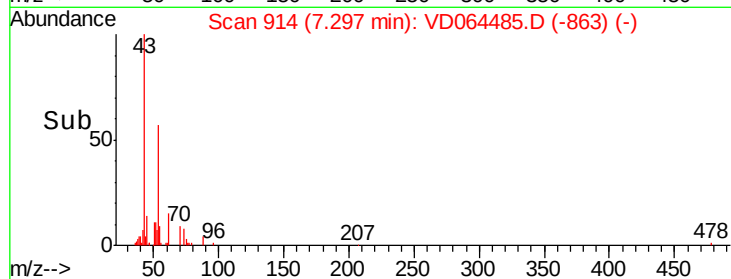
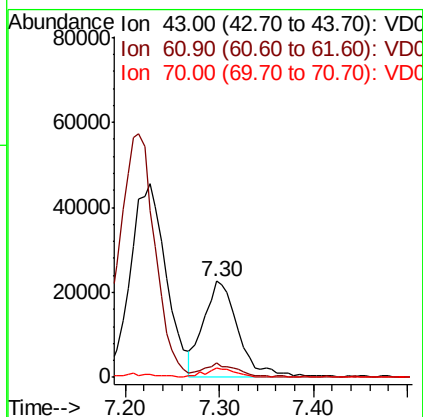
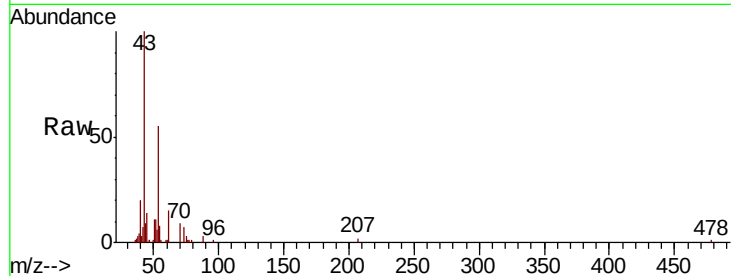




#37
Ethyl Acetate
Concen: 22.325 ug/l
RT: 7.30 min Scan# 914
Delta R.T. 0.00 min
Lab File: VD064485.D
Acq: 10 Dec 2019 12:11

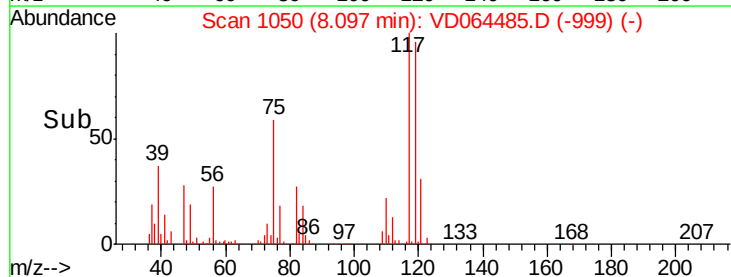
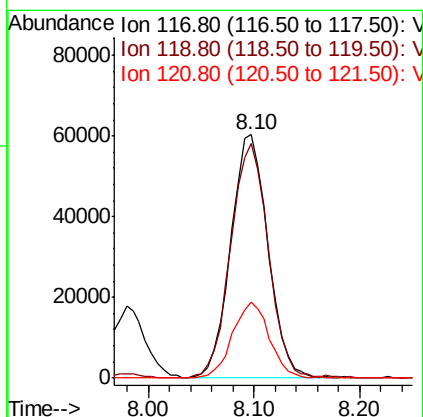
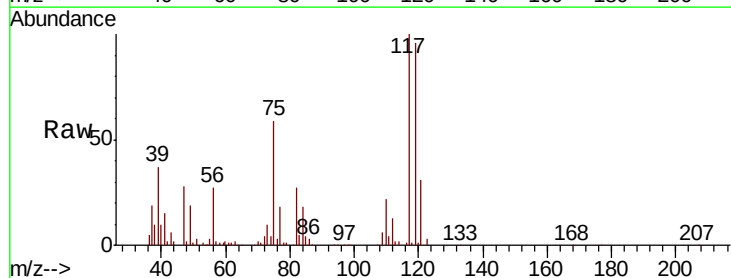
Instrument :
MSVOA_D
ClientSampleId :

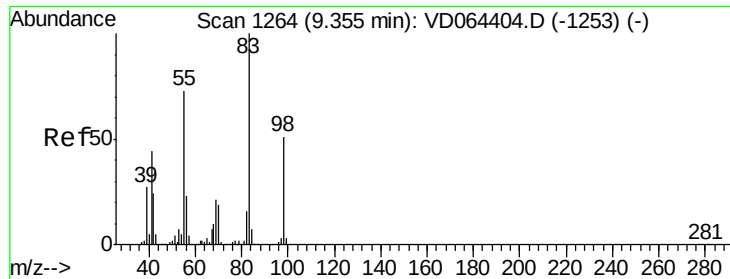
Tot Ion: 43 Resp: 58028
Ion Ratio Lower Upper
43 100
61 11.2 10.9 16.3
70 8.8 8.3 12.5



#38
Carbon Tetrachloride
Concen: 22.784 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VD064485.D
Acq: 10 Dec 2019 12:11

Tgt Ion: 117 Resp: 147298
Ion Ratio Lower Upper
117 100
119 96.2 78.8 118.2
121 31.4 24.2 36.2

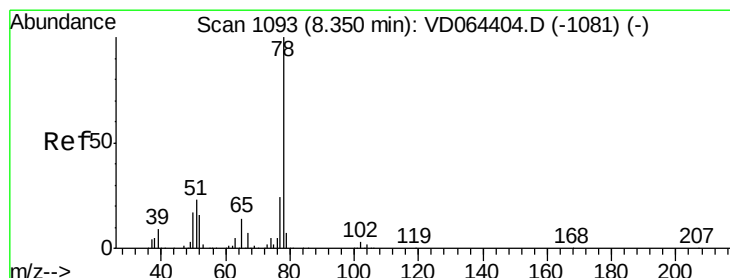
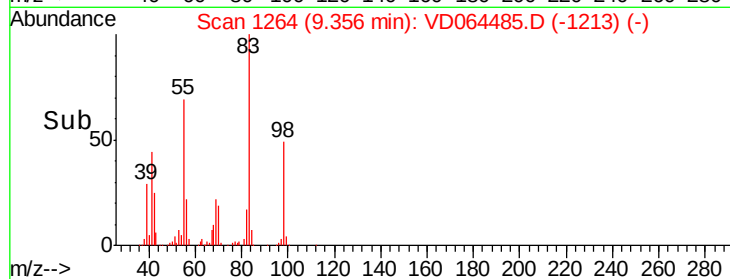
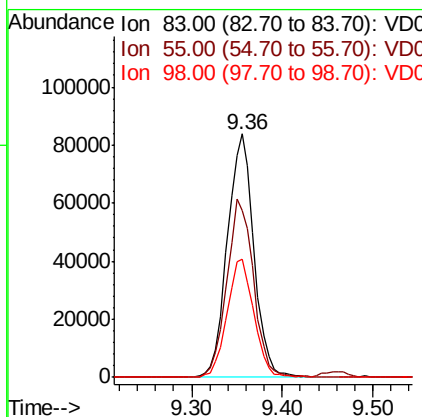
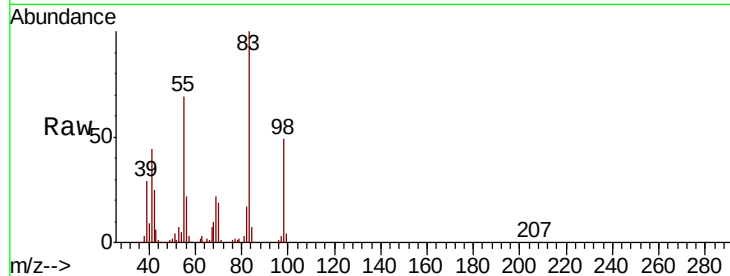




#39
Methylvlcyclohexane
Concen: 22.405 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD064485.D
Acq: 10 Dec 2019 12:11

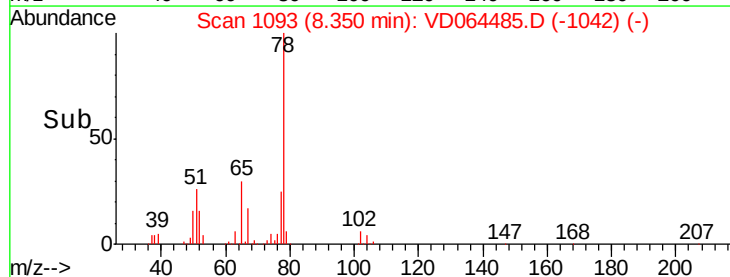
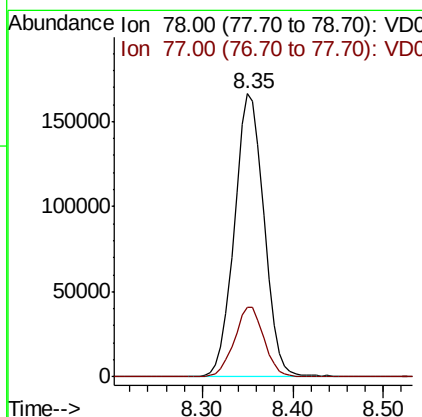
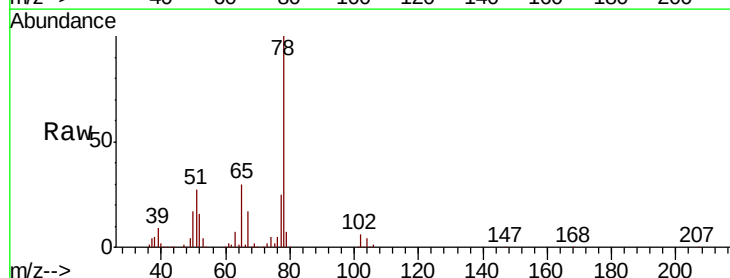
Instrument :
MSVOA_D
ClientSampled :

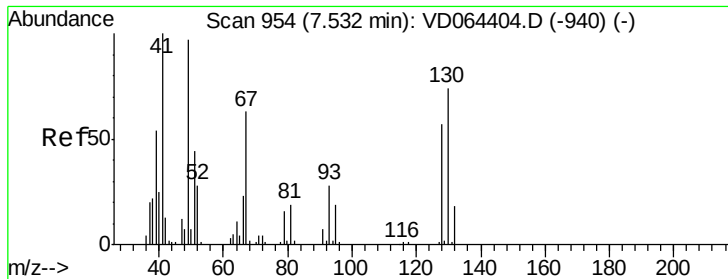
Tot Ion: 83 Resp: 170241
Ion Ratio Lower Upper
83 100
55 68.6 58.6 87.8
98 48.5 40.9 61.3



#40
Benzene
Concen: 22.172 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. 0.00 min
Lab File: VD064485.D
Acq: 10 Dec 2019 12:11

Tgt Ion: 78 Resp: 377219
Ion Ratio Lower Upper
78 100
77 24.8 19.6 29.4

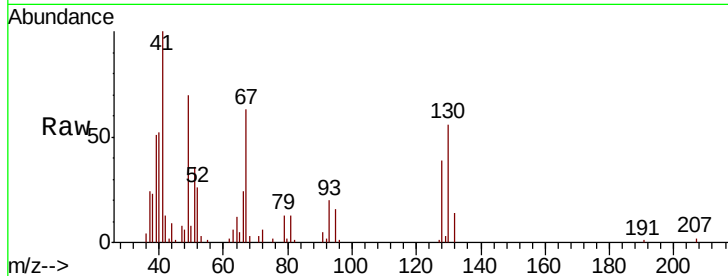




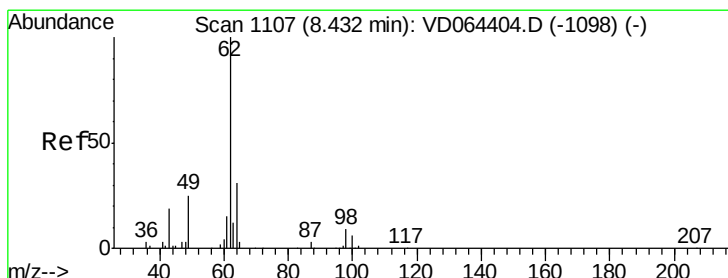
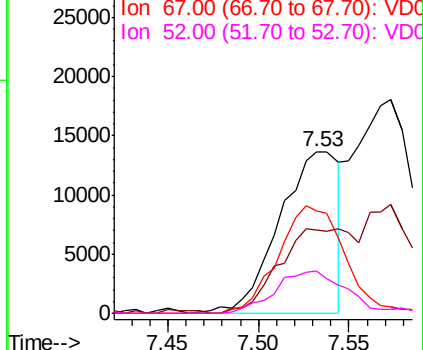
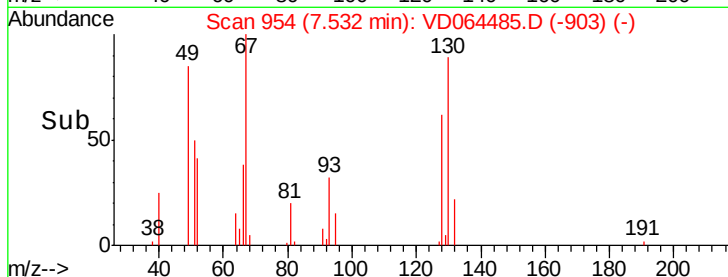
#41
Methacrylonitrile
Concen: 21.014 ug/l
RT: 7.53 min Scan# 954
Delta R.T. 0.00 min
Lab File: VD064485.D
Acq: 10 Dec 2019 12:11

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 41 Resp: 31324
Ion Ratio Lower Upper
41 100
39 67.1 44.6 67.0#
67 74.0 50.9 76.3
52 31.3 22.5 33.7

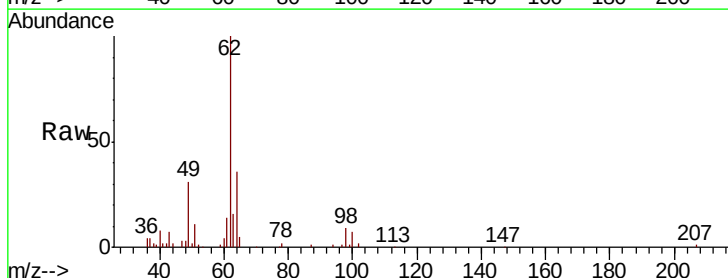


Abundance Ion 41.00 (40.70 to 41.70): VDC
Ion 39.00 (38.70 to 39.70): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

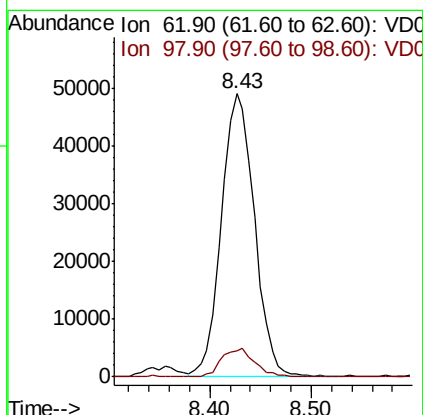
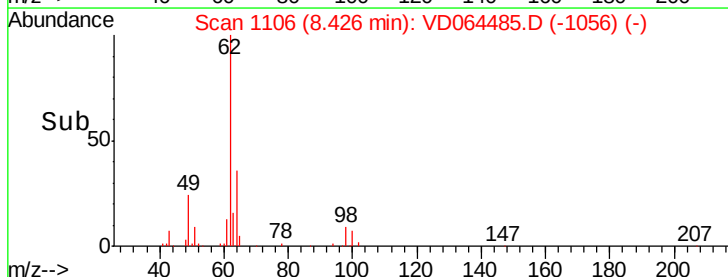


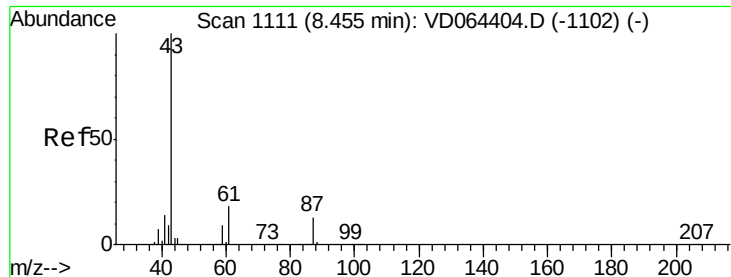
#42
1,2-Dichloroethane
Concen: 22.364 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. -0.01 min
Lab File: VD064485.D
Acq: 10 Dec 2019 12:11

Tgt Ion: 62 Resp: 110960
Ion Ratio Lower Upper
62 100
98 9.9 0.0 20.6



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





#43

Isopropyl Acetate

Concen: 21.005 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. 0.00 min

Lab File: VD064485.D

Acq: 10 Dec 2019 12:11

Instrument :

MSVOA_D

ClientSampleId :

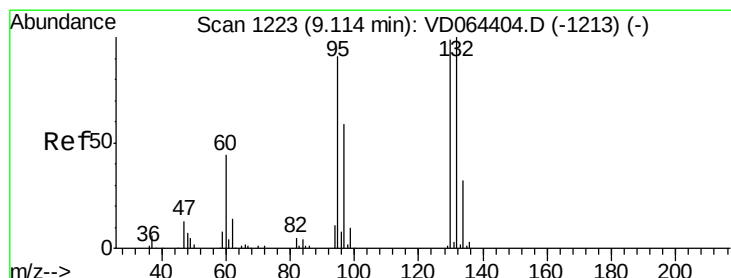
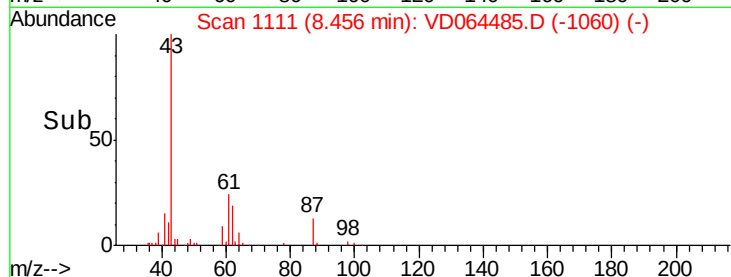
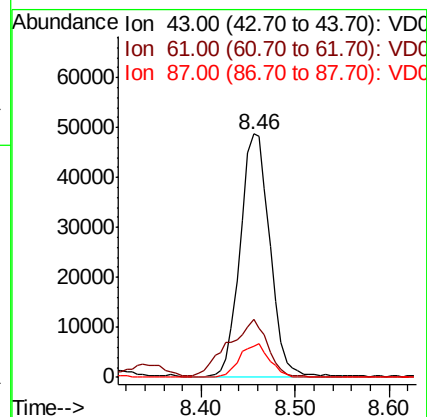
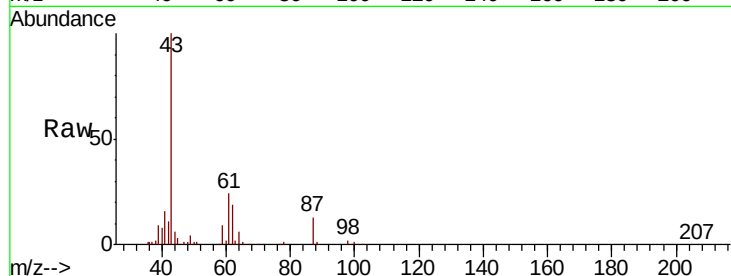
Tot Ion: 43 Resp: 107347

Ion Ratio Lower Upper

43 100

61 31.4 24.0 36.0

87 13.7 10.6 15.8



#44

Trichloroethene

Concen: 21.800 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. 0.00 min

Lab File: VD064485.D

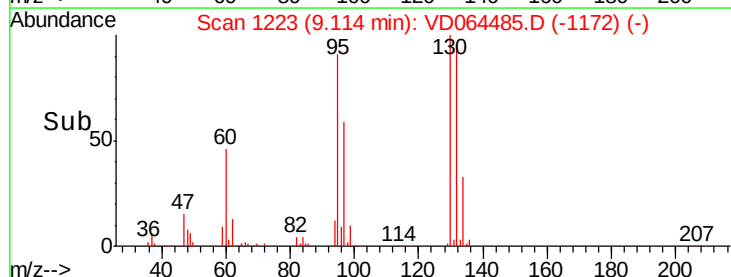
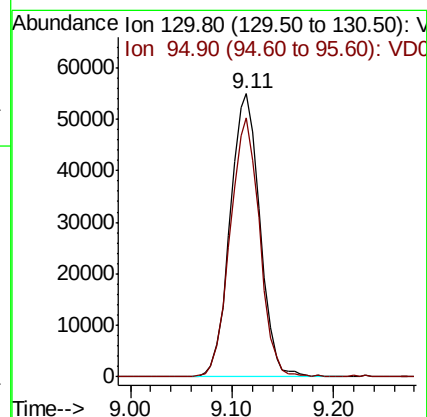
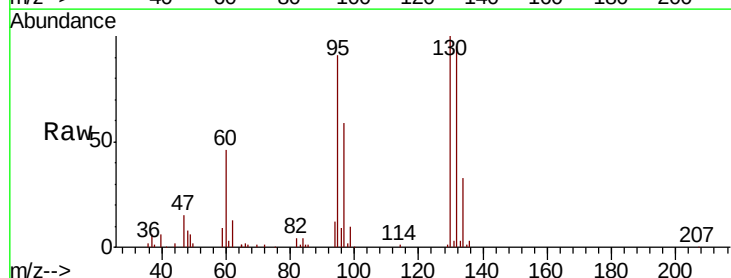
Acq: 10 Dec 2019 12:11

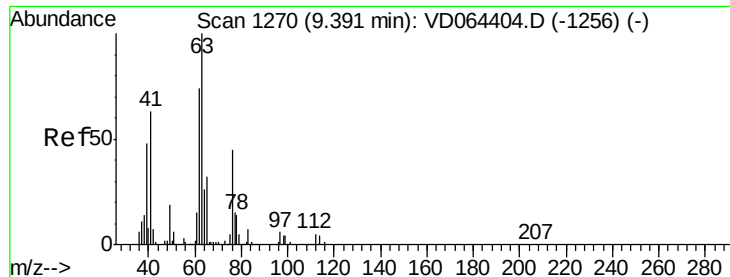
Tgt Ion:130 Resp: 111722

Ion Ratio Lower Upper

130 100

95 91.4 0.0 184.6





#45

1,2-Dichloropropane

Concen: 22.772 ug/l

RT: 9.38 min Scan# 1269

Delta R.T. -0.01 min

Lab File: VD064485.D

Acq: 10 Dec 2019 12:11

Instrument :

MSVOA_D

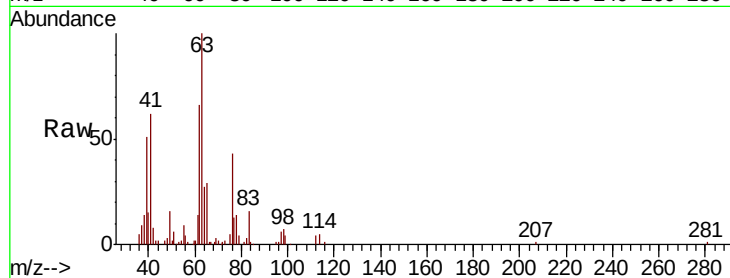
ClientSampled :

Tot Ion: 63 Resp: 92655

Ion Ratio Lower Upper

63 100

65 28.6 25.4 38.0



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC

9.38

50000

40000

30000

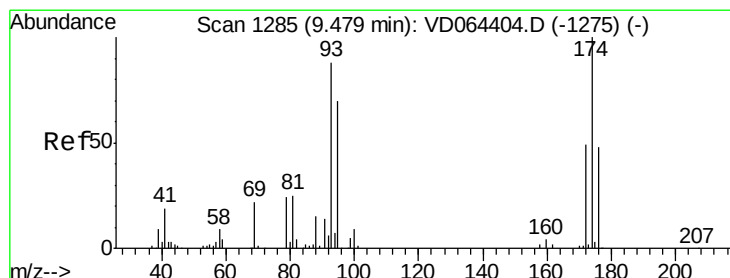
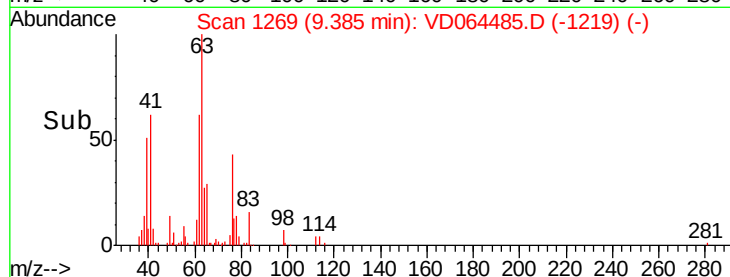
20000

10000

0

Time-->

9.30 9.40 9.50



#46

Dibromomethane

Concen: 21.878 ug/l

RT: 9.47 min Scan# 1284

Delta R.T. -0.01 min

Lab File: VD064485.D

Acq: 10 Dec 2019 12:11

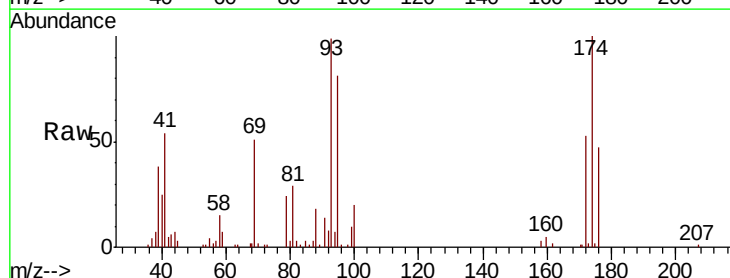
Tgt Ion: 93 Resp: 50243

Ion Ratio Lower Upper

93 100

95 82.7 66.7 100.1

174 111.9 92.3 138.5



Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): V

30000

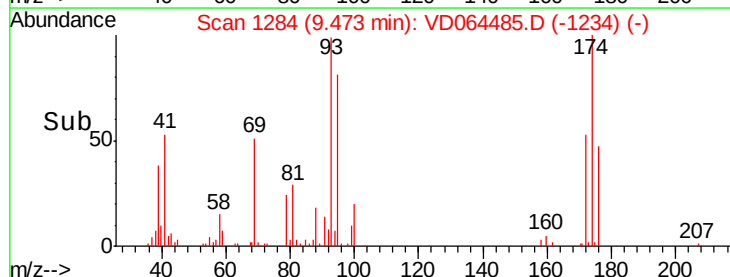
20000

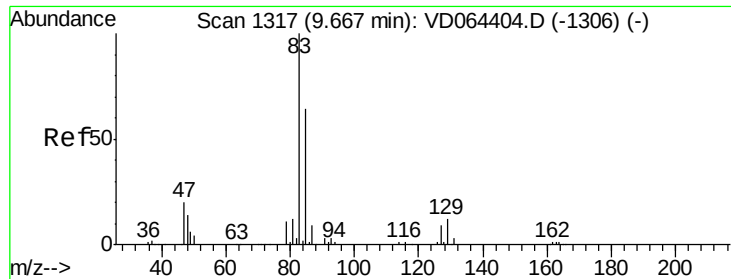
10000

0

Time-->

9.40 9.45 9.50 9.55





#47

Bromodichloromethane

Concen: 22.374 ug/l

RT: 9.66 min Scan# 1316

Delta R.T. -0.01 min

Lab File: VD064485.D

Acq: 10 Dec 2019 12:11

Instrument :
MSVOA_D
ClientSampled :

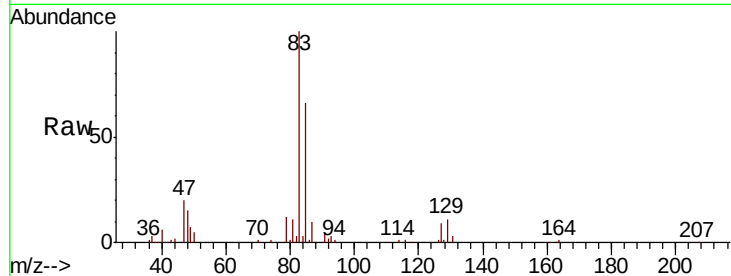
Tot Ion: 83 Resp: 132020

Ion Ratio Lower Upper

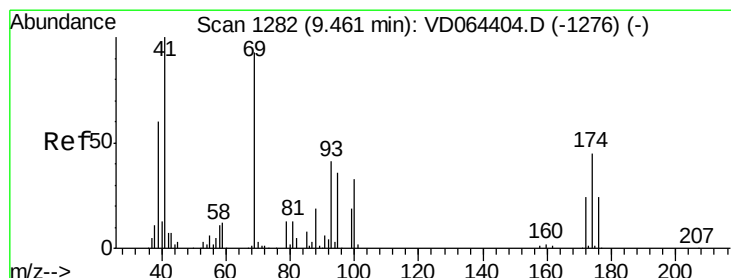
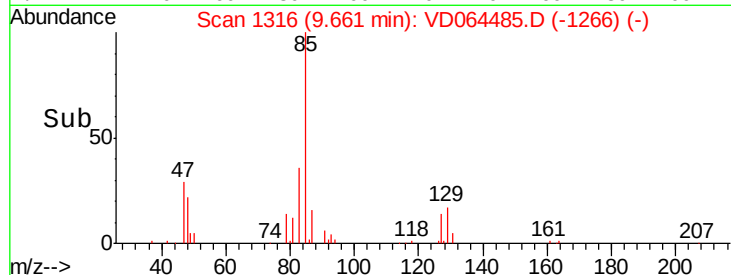
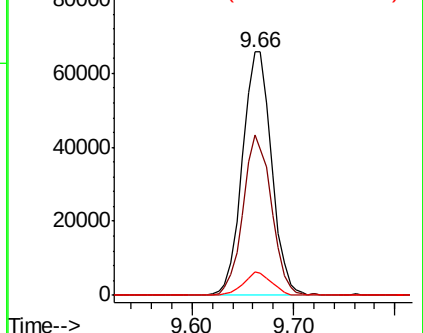
83 100

85 65.8 51.1 76.7

127 9.4 7.4 11.0



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: 20.655 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VD064485.D

Acq: 10 Dec 2019 12:11

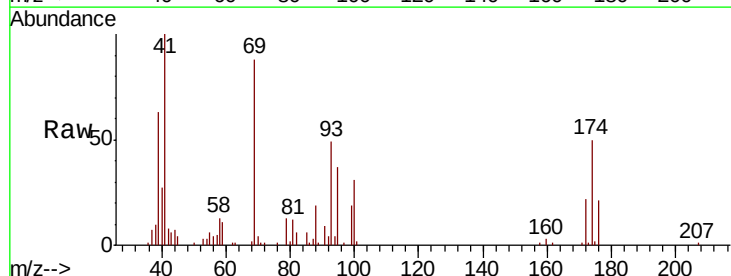
Tgt Ion: 41 Resp: 48303

Ion Ratio Lower Upper

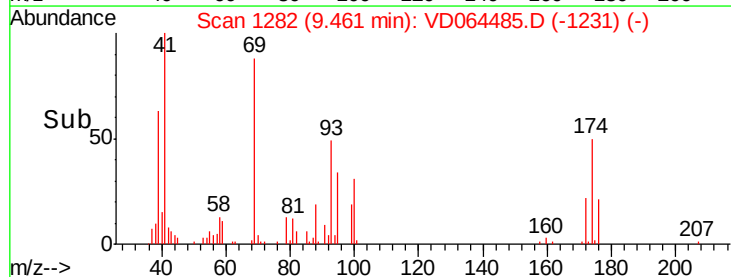
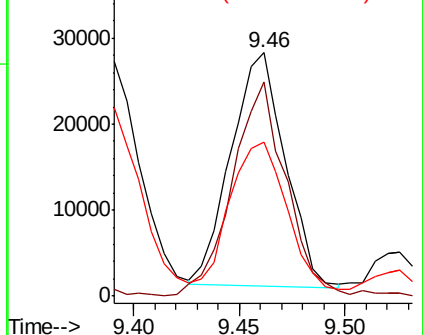
41 100

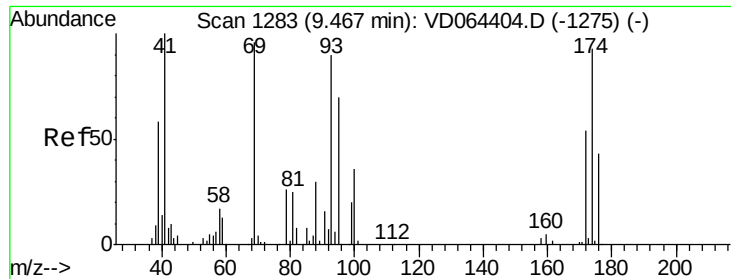
69 90.8 72.0 108.0

39 65.9 55.2 82.8



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





#49

1,4-Dioxane

Concen: 416.955 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. -0.01 min

Lab File: VD064485.D

Acq: 10 Dec 2019 12:11

Instrument :
MSVOA_D
ClientSampled :

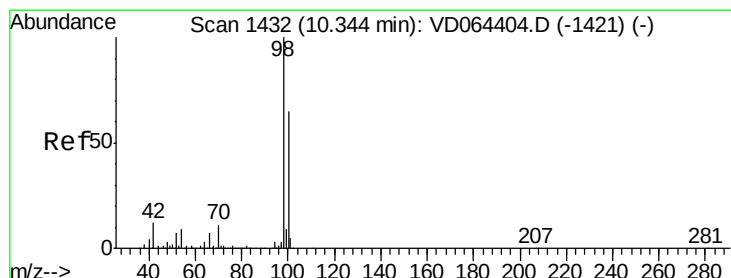
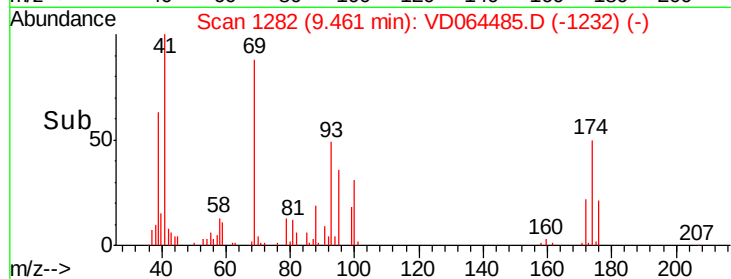
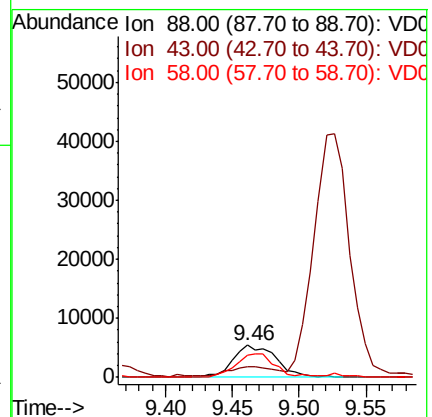
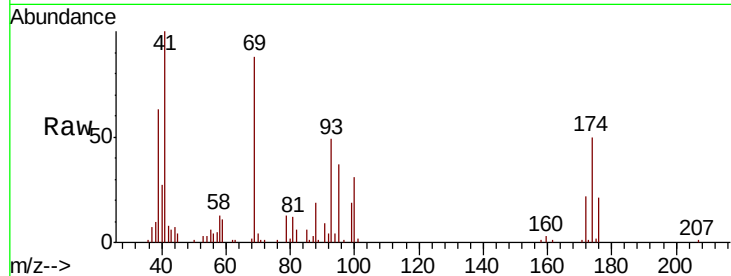
Tot Ion: 88 Resp: 11824

Ion Ratio Lower Upper

88 100

43 29.9 26.7 40.1

58 69.6 52.3 78.5



#50

Toluene-d8

Concen: 51.163 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. -0.01 min

Lab File: VD064485.D

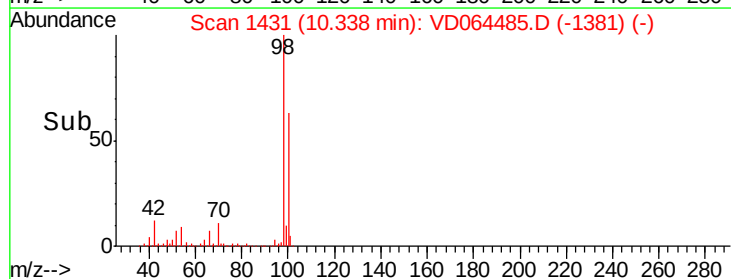
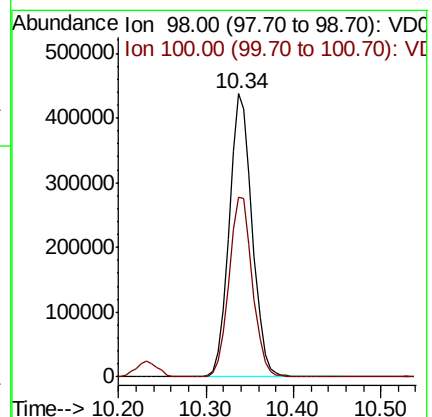
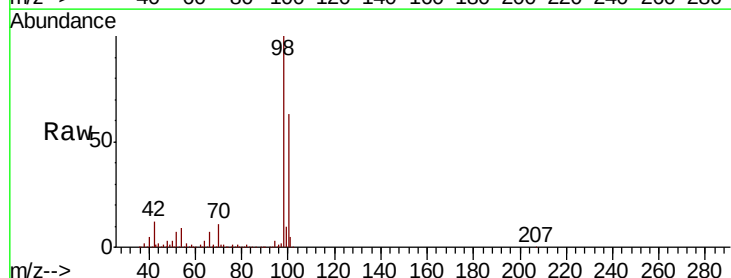
Acq: 10 Dec 2019 12:11

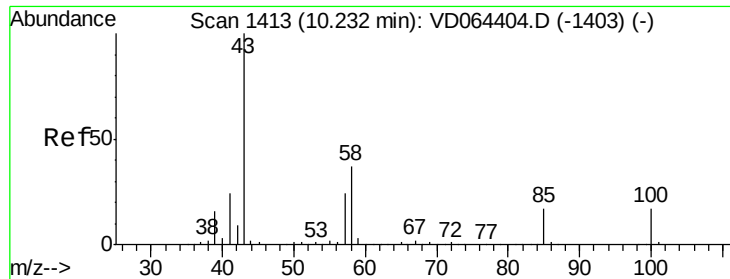
Tgt Ion: 98 Resp: 786388

Ion Ratio Lower Upper

98 100

100 64.7 52.6 79.0





#51

4-Methyl-2-Pentanone

Concen: 106.025 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. 0.00 min

Lab File: VD064485.D

Acq: 10 Dec 2019 12:11

Instrument :

MSVOA_D

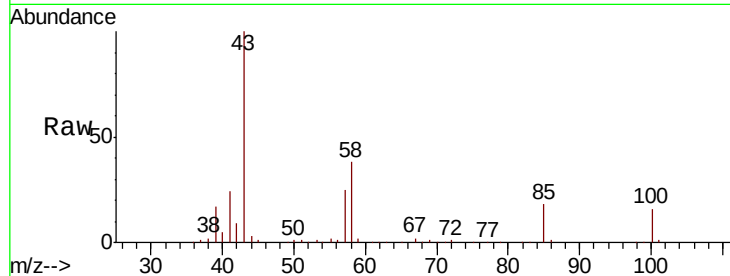
ClientSampled :

Tot Ion: 43 Resp: 268100

Ion Ratio Lower Upper

43 100

58 38.0 30.6 46.0



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

10.23

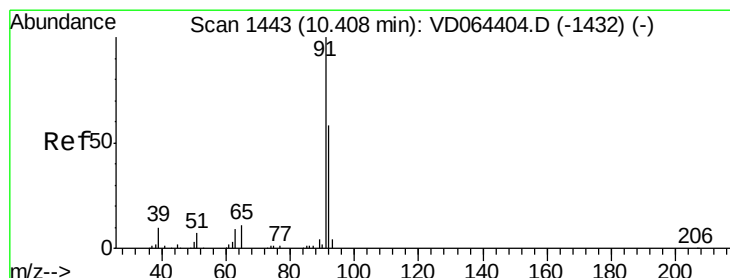
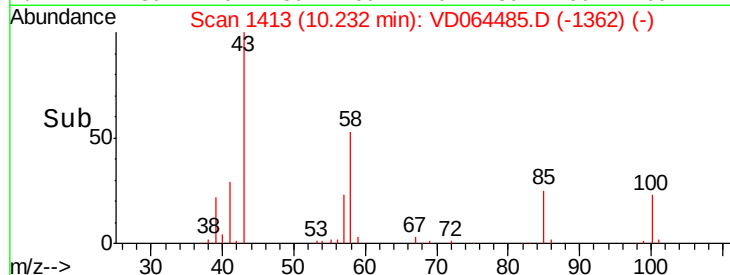
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 21.749 ug/l

RT: 10.40 min Scan# 1442

Delta R.T. -0.01 min

Lab File: VD064485.D

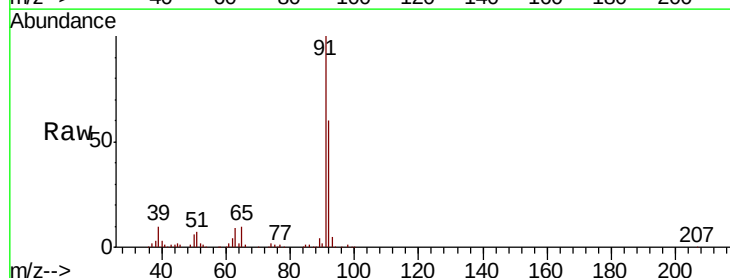
Acq: 10 Dec 2019 12:11

Tgt Ion: 92 Resp: 241141

Ion Ratio Lower Upper

92 100

91 174.1 137.8 206.6



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

250000

200000

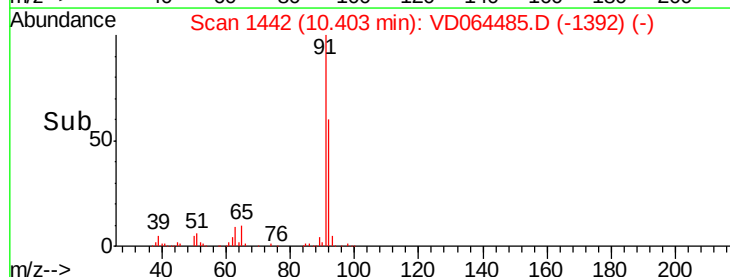
150000

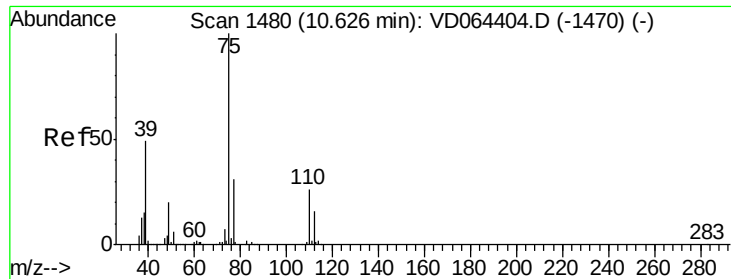
100000

50000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 21.780 ug/l

RT: 10.62 min Scan# 1479

Delta R.T. -0.01 min

Lab File: VD064485.D

Acq: 10 Dec 2019 12:11

Instrument :

MSVOA_D

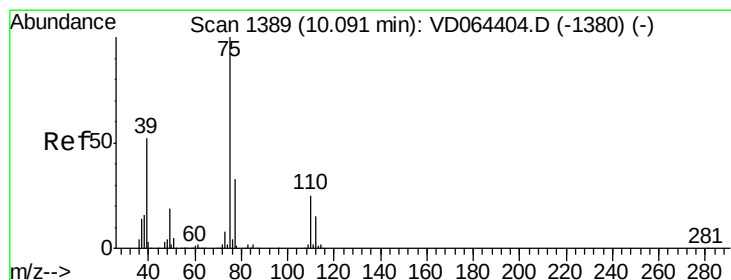
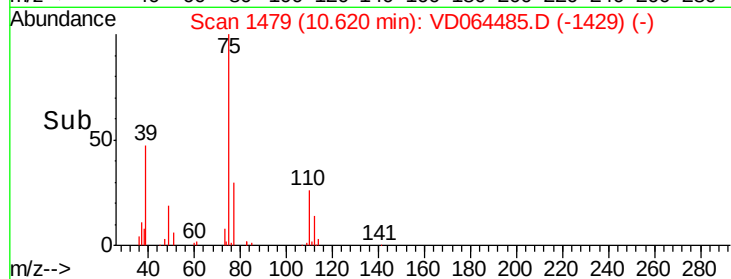
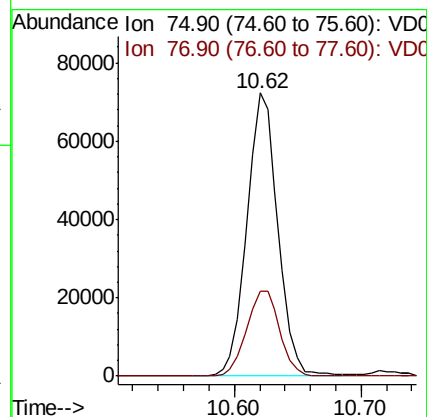
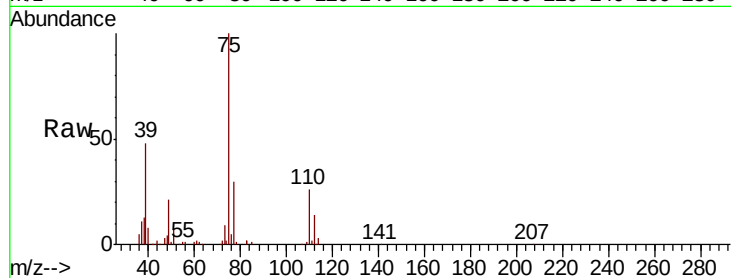
ClientSampleId :

Tot Ion: 75 Resp: 122480

Ion Ratio Lower Upper

75 100

77 30.0 25.0 37.4



#54

cis-1,3-Dichloropropene

Concen: 21.814 ug/l

RT: 10.09 min Scan# 1389

Delta R.T. 0.00 min

Lab File: VD064485.D

Acq: 10 Dec 2019 12:11

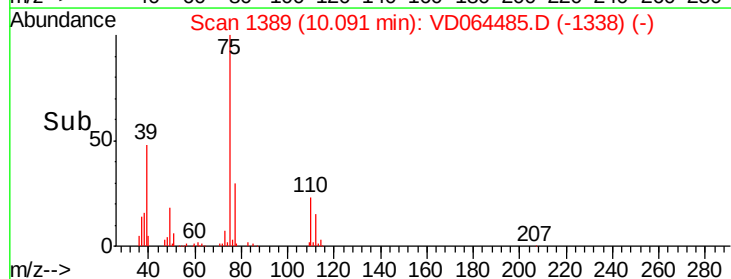
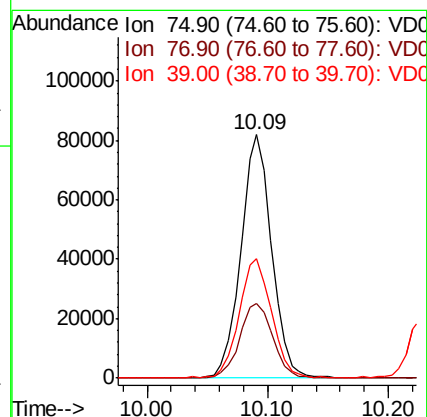
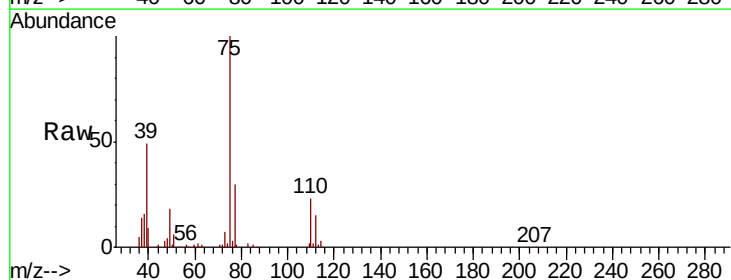
Tgt Ion: 75 Resp: 145734

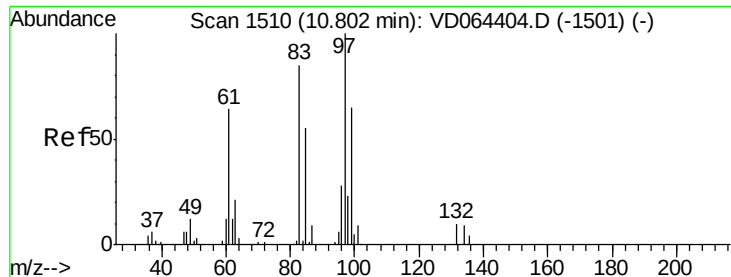
Ion Ratio Lower Upper

75 100

77 30.5 26.1 39.1

39 48.5 41.5 62.3

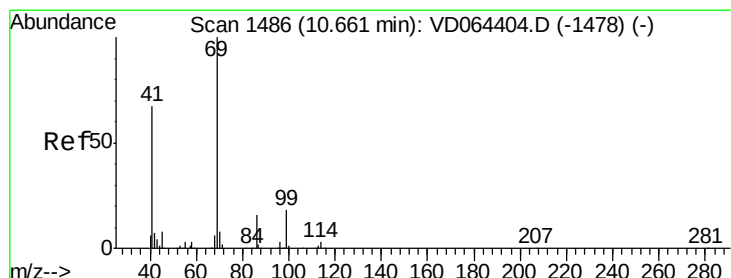
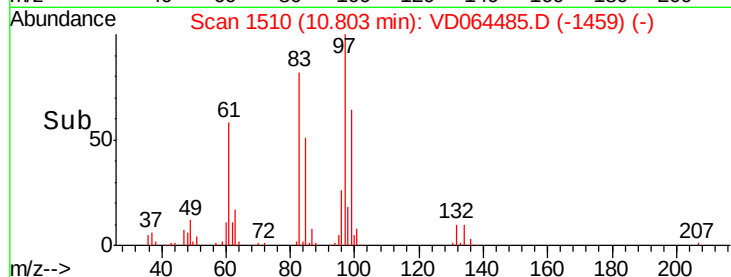
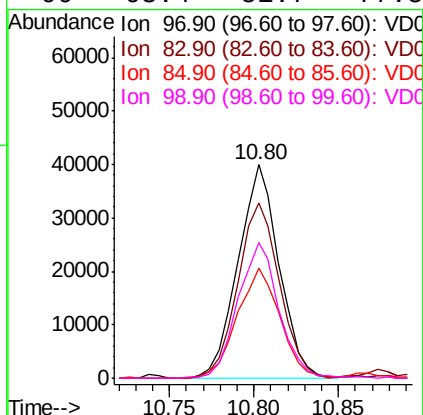
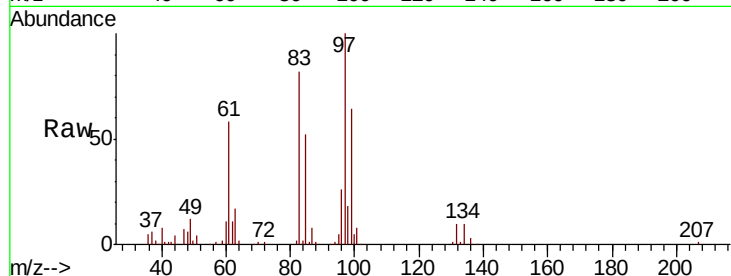




#55
 1,1,2-Trichloroethane
 Concen: 21.434 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. 0.00 min
 Lab File: VD064485.D
 Acq: 10 Dec 2019 12:11

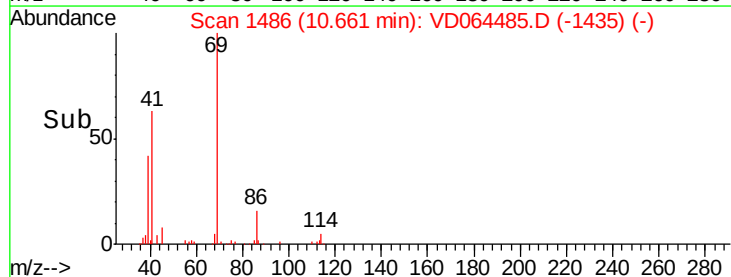
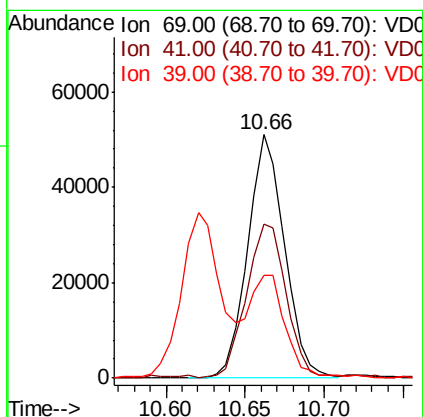
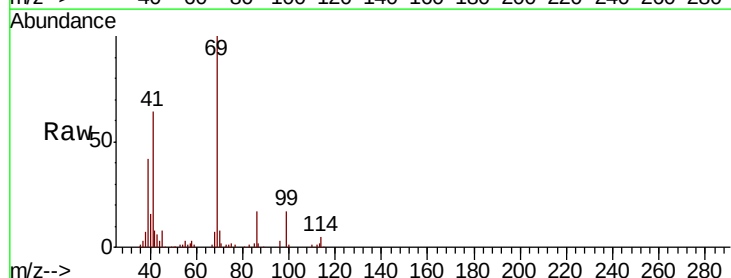
Instrument :
 MSVOA_D
 ClientSampleId :

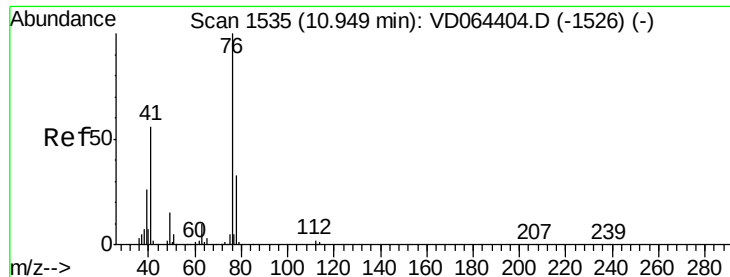
Tot Ion:	97	Resp:	67398
Ion	Ratio	Lower	Upper
97	100		
83	82.3	67.8	101.8
85	51.8	43.7	65.5
99	63.4	51.7	77.5



#56
 Ethyl methacrylate
 Concen: 20.558 ug/l
 RT: 10.66 min Scan# 1486
 Delta R.T. 0.00 min
 Lab File: VD064485.D
 Acq: 10 Dec 2019 12:11

Tgt Ion:	69	Resp:	82452
Ion	Ratio	Lower	Upper
69	100		
41	67.3	55.0	82.4
39	43.1	33.0	49.6

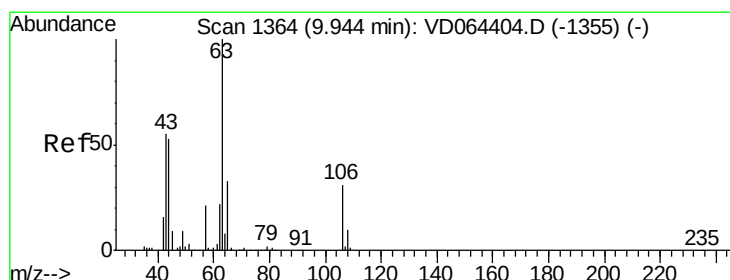
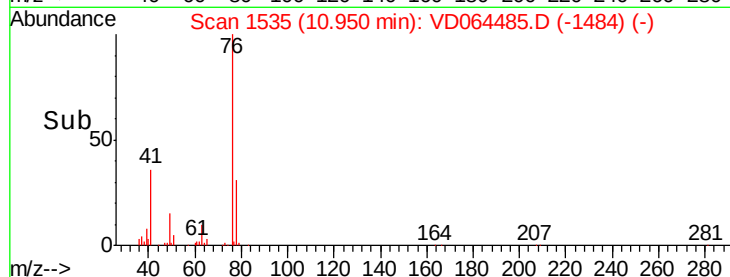
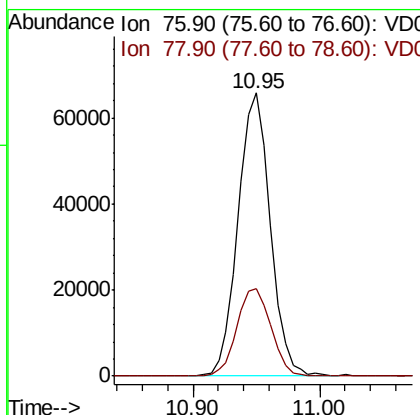
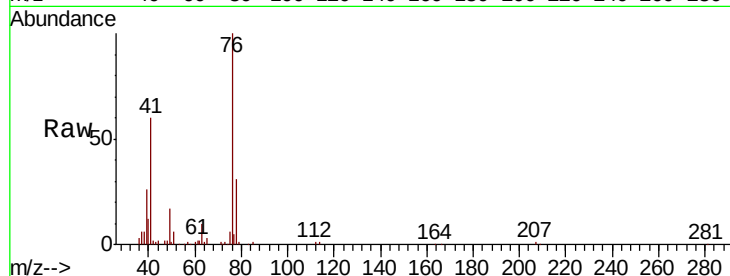




#57
 1,3-Dichloropropane
 Concen: 21.731 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. 0.00 min
 Lab File: VD064485.D
 Acq: 10 Dec 2019 12:11

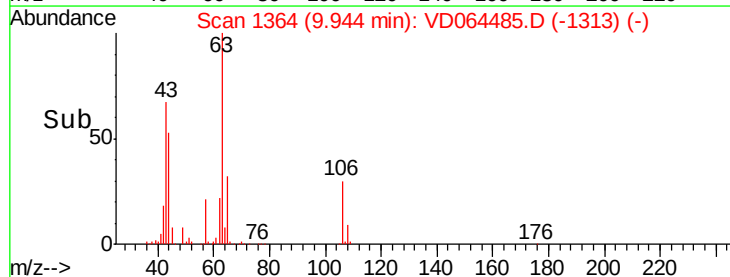
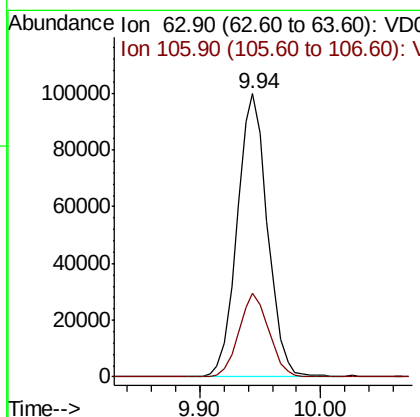
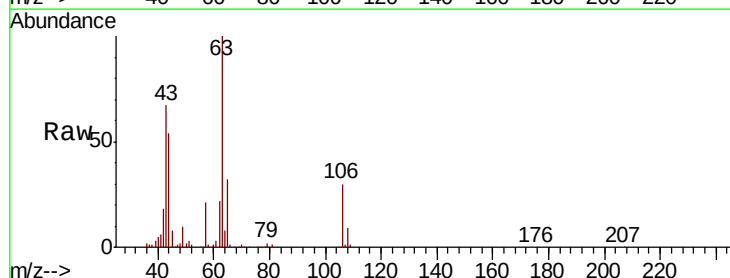
Instrument :
 MSVOA_D
 ClientSampleId :

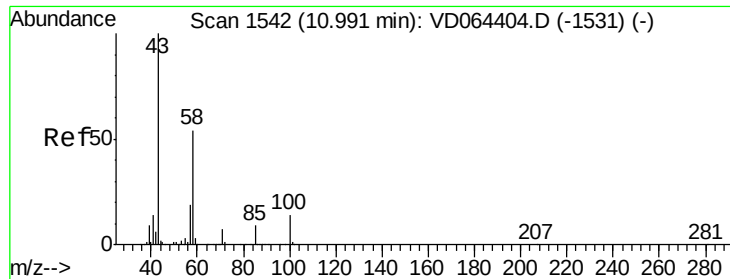
Tot Ion: 76 Resp: 116324
 Ion Ratio Lower Upper
 76 100
 78 32.7 26.0 39.0



#58
 2-Chloroethyl Vinyl ether
 Concen: 109.241 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. 0.00 min
 Lab File: VD064485.D
 Acq: 10 Dec 2019 12:11

Tgt Ion: 63 Resp: 174654
 Ion Ratio Lower Upper
 63 100
 106 29.2 24.2 36.4

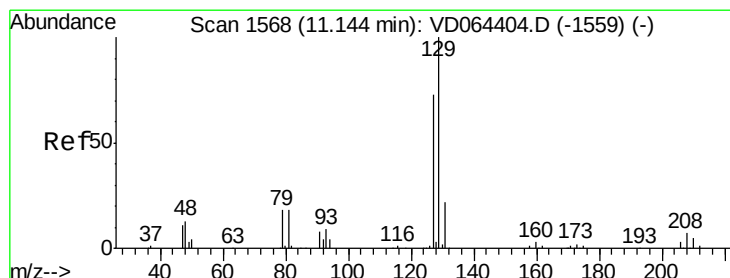
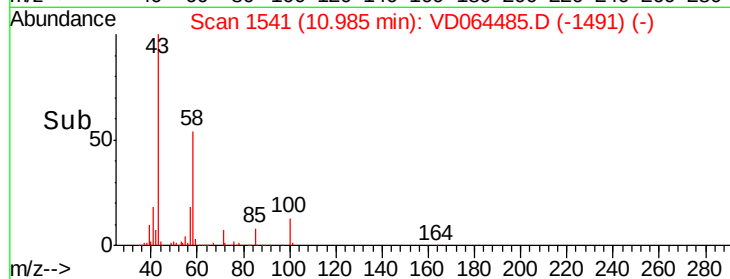
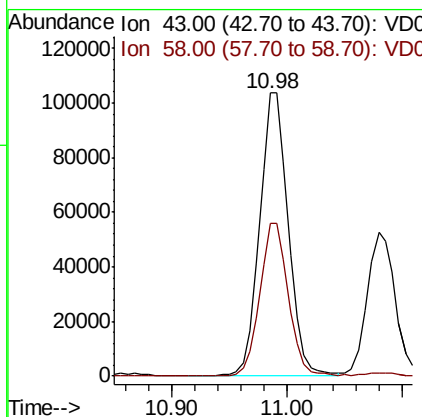
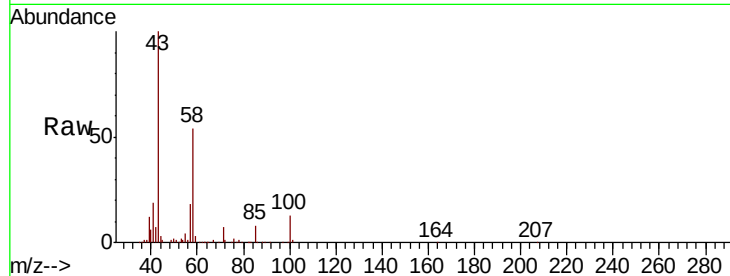




#59
2-Hexanone
Concen: 102.370 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. -0.01 min
Lab File: VD064485.D
Acq: 10 Dec 2019 12:11

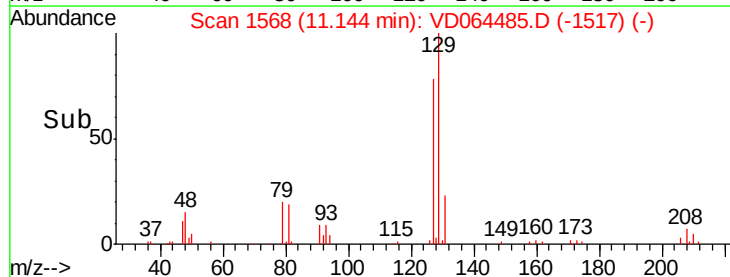
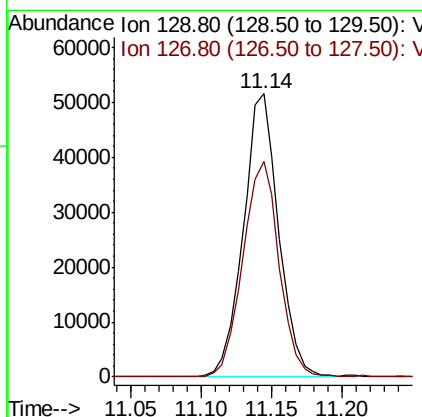
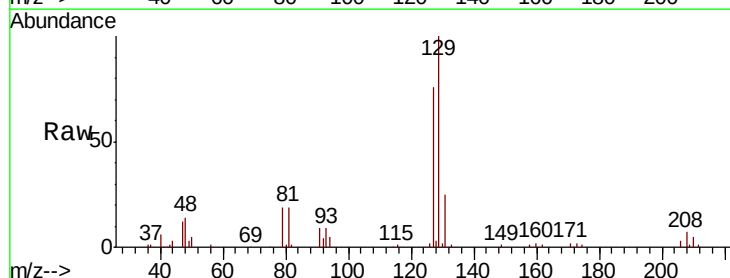
Instrument :
MSVOA_D
ClientSampled :

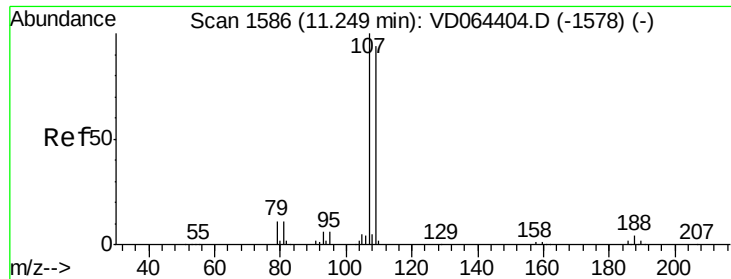
Tot Ion: 43 Resp: 179619
Ion Ratio Lower Upper
43 100
58 54.1 26.3 78.8



#60
Dibromochloromethane
Concen: 21.131 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD064485.D
Acq: 10 Dec 2019 12:11

Tgt Ion:129 Resp: 90092
Ion Ratio Lower Upper
129 100
127 78.2 38.1 114.3

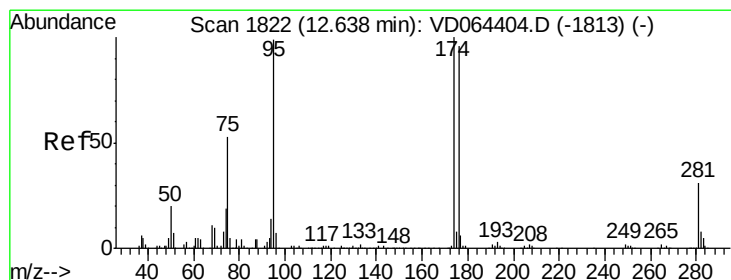
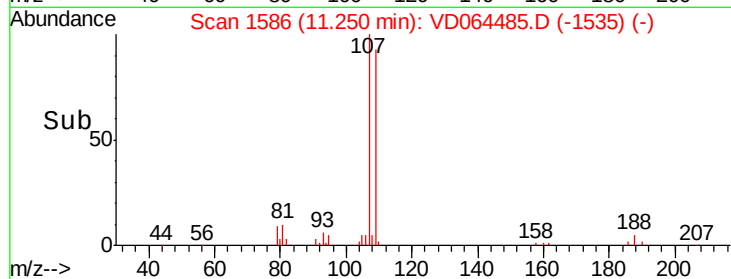
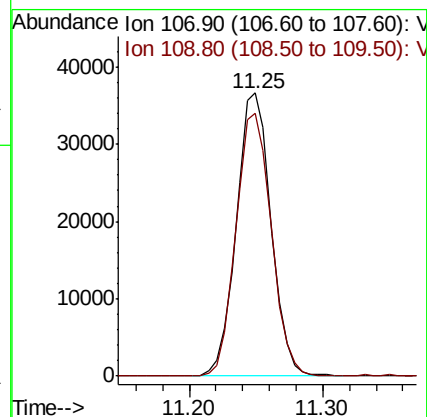
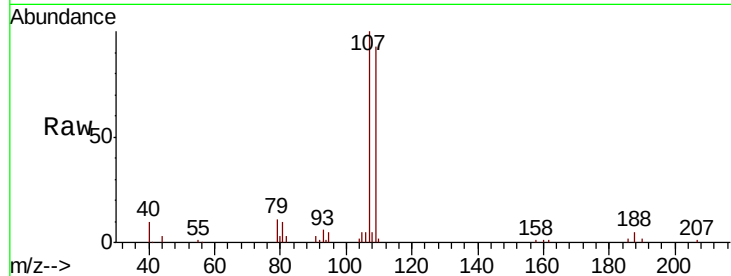




#61
 1,2-Dibromoethane
 Concen: 20.993 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD064485.D
 Acq: 10 Dec 2019 12:11

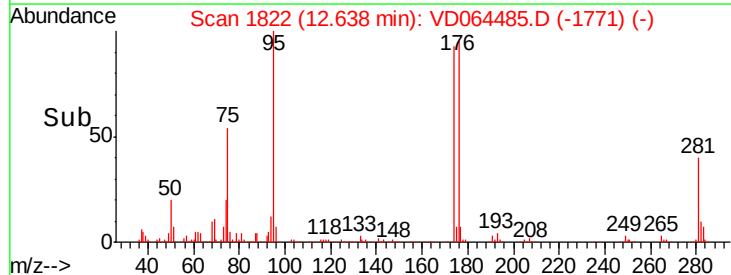
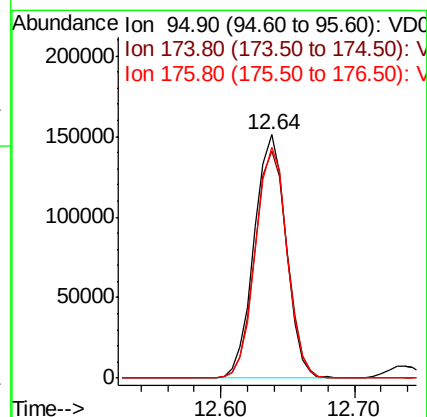
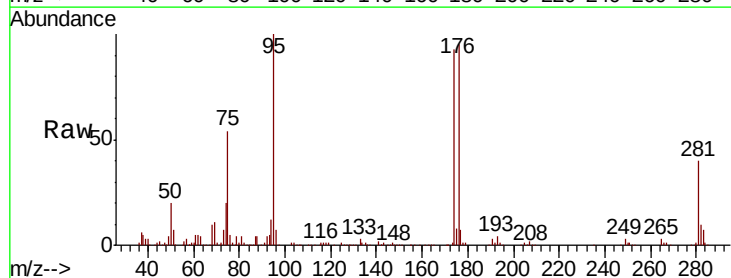
Instrument :
 MSVOA_D
 ClientSampleId :

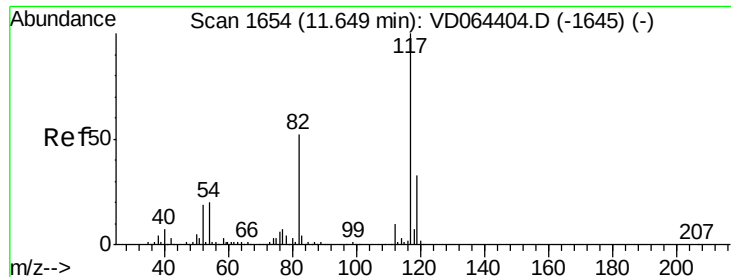
Tot Ion:107 Resp: 65912
 Ion Ratio Lower Upper
 107 100
 109 94.7 76.2 114.2



#62
 4-Bromofluorobenzene
 Concen: 50.331 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD064485.D
 Acq: 10 Dec 2019 12:11

Tgt Ion: 95 Resp: 248611
 Ion Ratio Lower Upper
 95 100
 174 94.4 0.0 197.2
 176 93.8 0.0 189.6

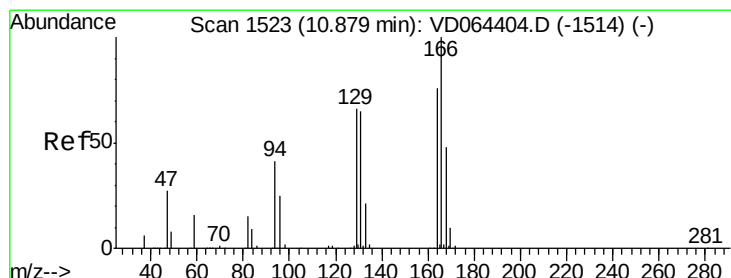
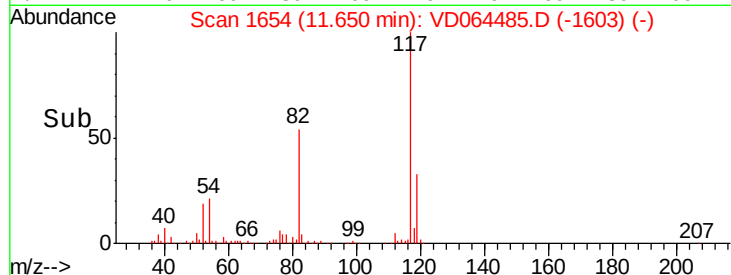
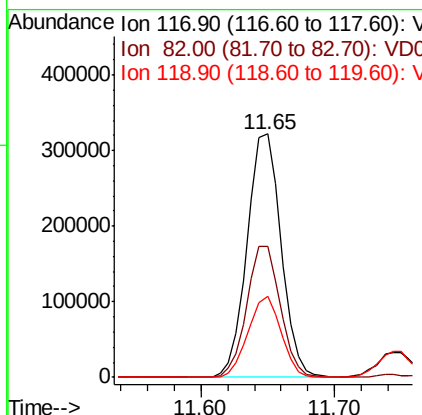
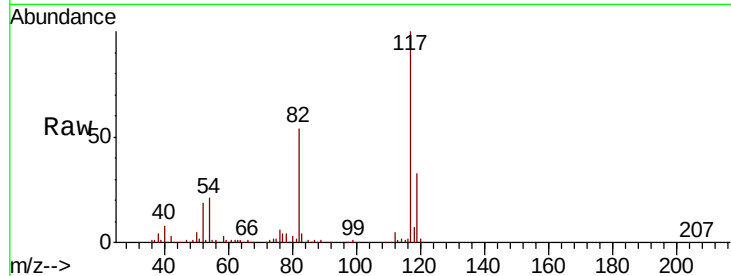




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD064485.D
Acq: 10 Dec 2019 12:11

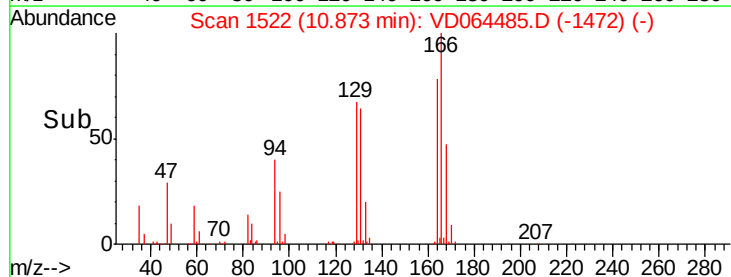
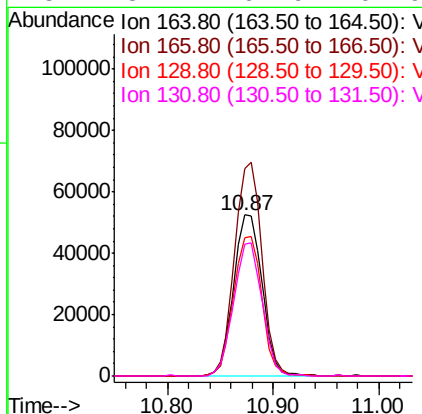
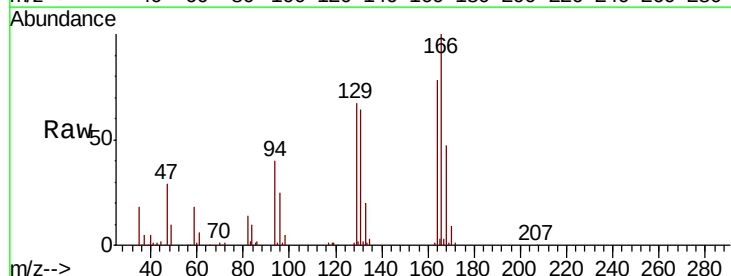
Instrument :
MSVOA_D
ClientSampleId :

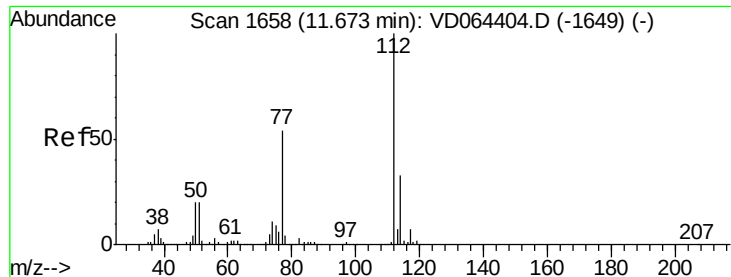
Tot Ion:117 Resp: 566226
Ion Ratio Lower Upper
117 100
82 53.7 41.4 62.2
119 33.2 26.2 39.2



#64
Tetrachloroethene
Concen: 22.659 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. -0.01 min
Lab File: VD064485.D
Acq: 10 Dec 2019 12:11

Tgt Ion:164 Resp: 97839
Ion Ratio Lower Upper
164 100
166 128.5 104.8 157.2
129 86.1 68.7 103.1
131 81.7 67.9 101.9

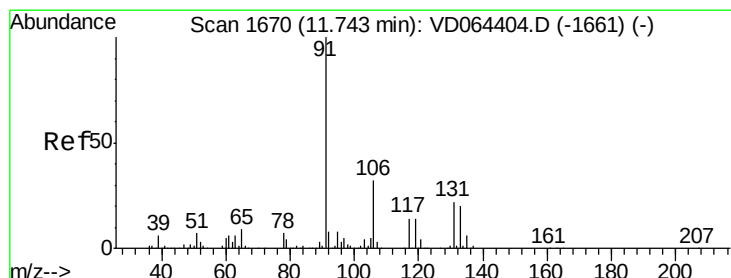
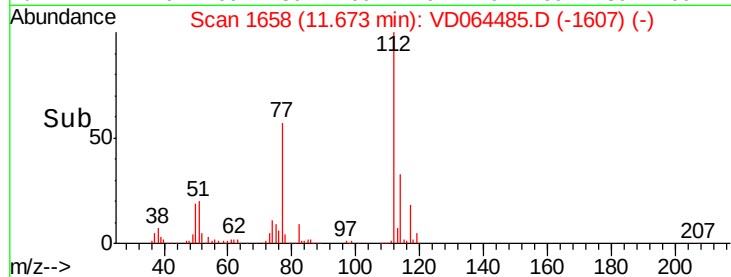
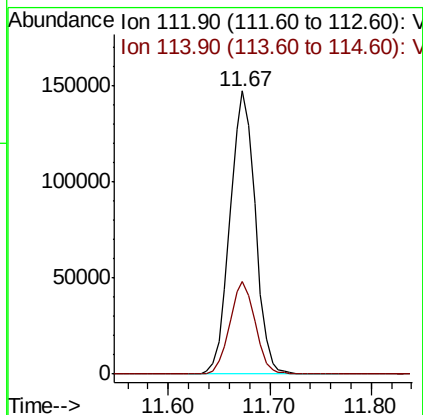
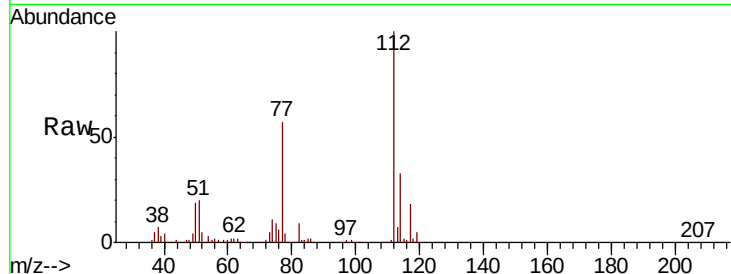




#65
Chlorobenzene
Concen: 21.517 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD064485.D
Acq: 10 Dec 2019 12:11

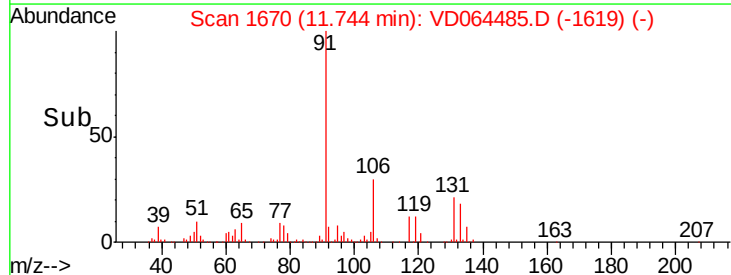
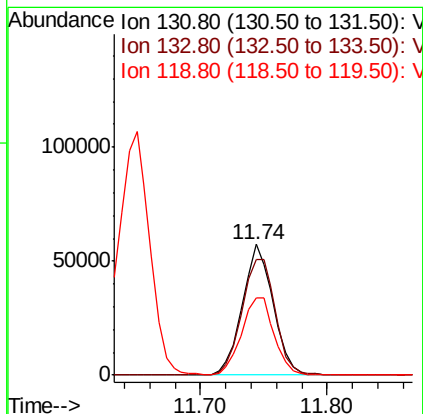
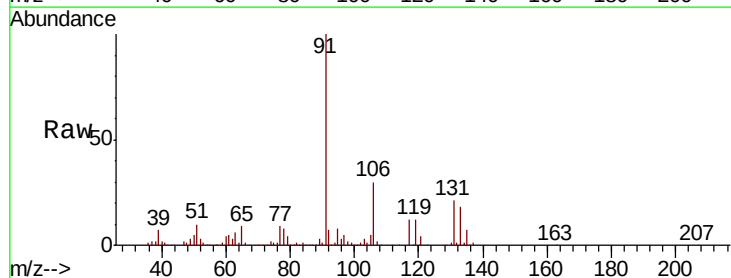
Instrument :
MSVOA_D
ClientSampleId :

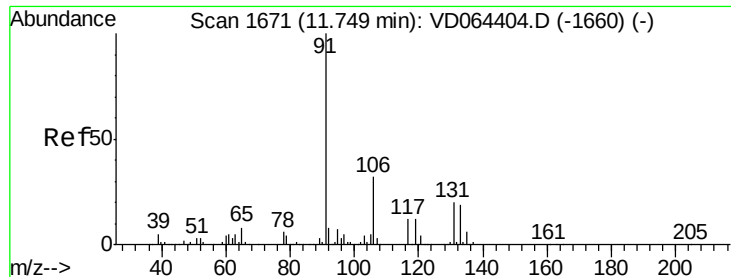
Tot Ion:112 Resp: 254107
Ion Ratio Lower Upper
112 100
114 32.6 26.5 39.7



#66
1,1,1,2-Tetrachloroethane
Concen: 22.159 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VD064485.D
Acq: 10 Dec 2019 12:11

Tgt Ion:131 Resp: 96874
Ion Ratio Lower Upper
131 100
133 96.4 48.3 144.9
119 62.6 31.9 95.9





#67

Ethyl Benzene

Concen: 21.936 ug/l

RT: 11.74 min Scan# 1670

Delta R.T. -0.01 min

Lab File: VD064485.D

Acq: 10 Dec 2019 12:11

Instrument :

MSVOA_D

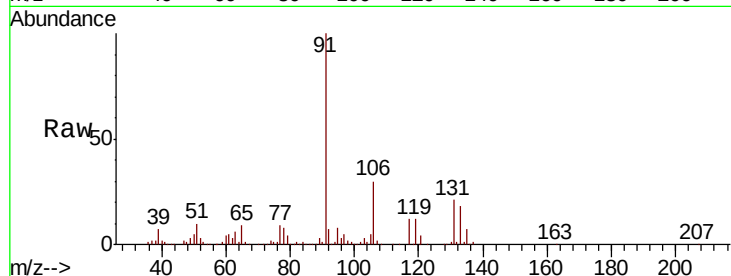
ClientSampled :

Tot Ion: 91 Resp: 460911

Ion Ratio Lower Upper

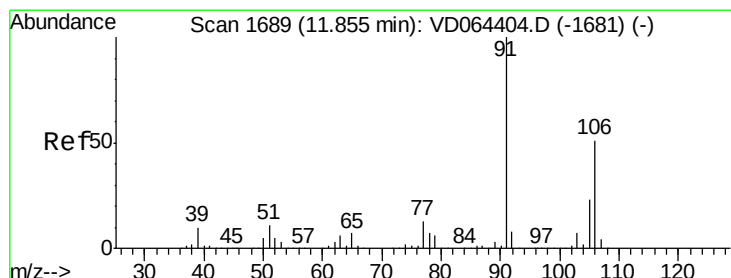
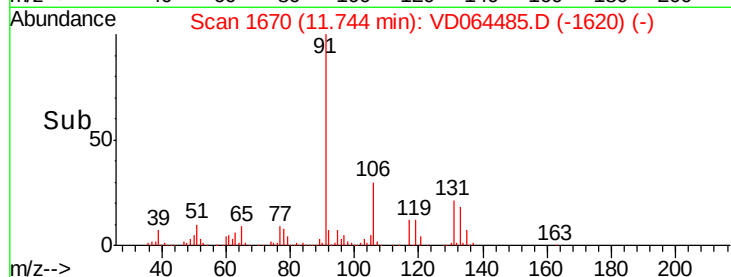
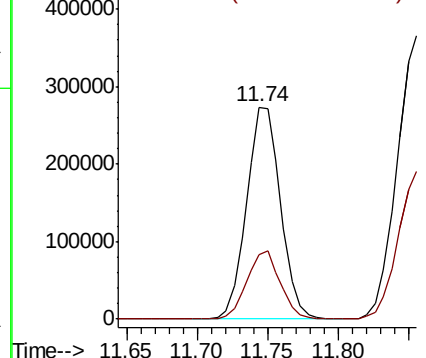
91 100

106 30.2 25.8 38.8



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 106.00 (105.70 to 106.70): VDC



#68

m/p-Xylenes

Concen: 44.571 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. 0.00 min

Lab File: VD064485.D

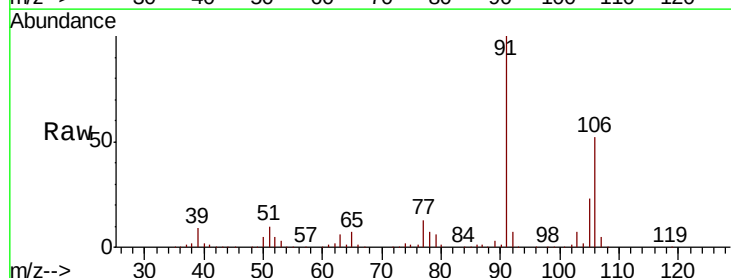
Acq: 10 Dec 2019 12:11

Tgt Ion: 106 Resp: 357091

Ion Ratio Lower Upper

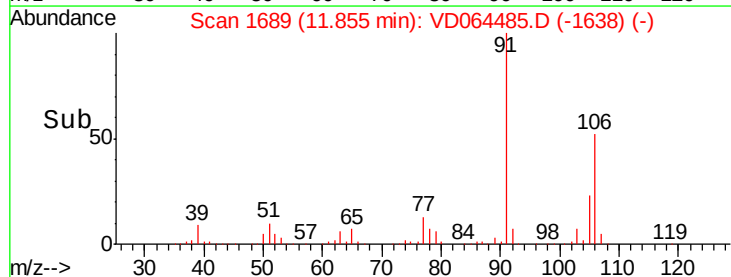
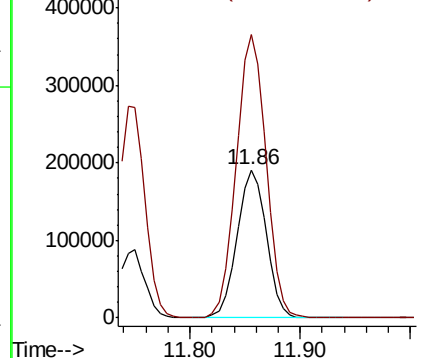
106 100

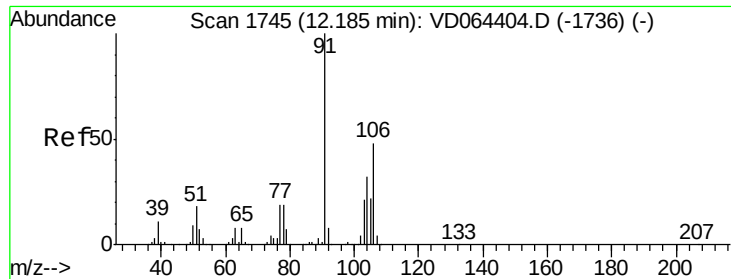
91 194.4 157.4 236.2



Abundance Ion 106.00 (105.70 to 106.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

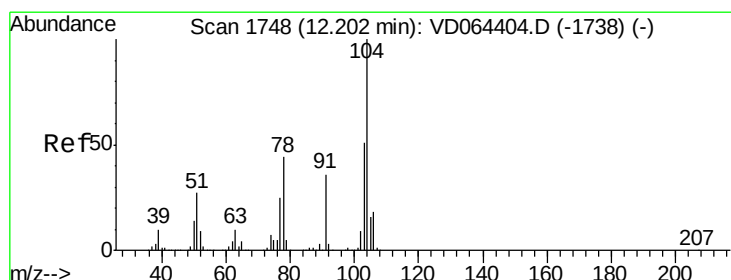
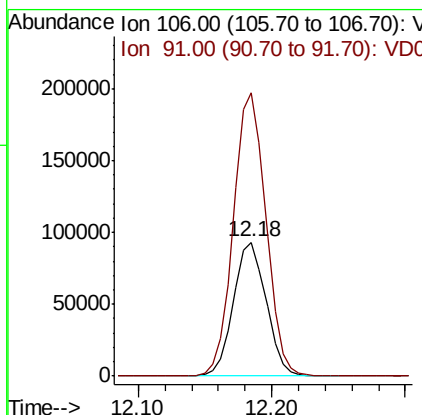
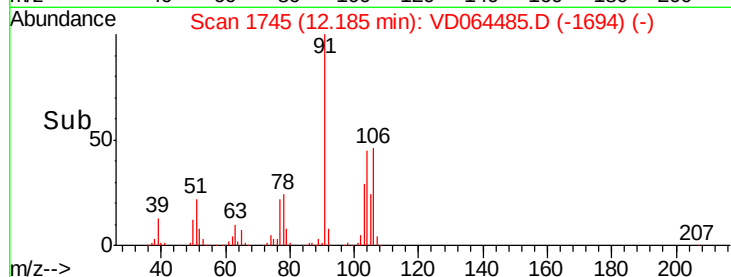
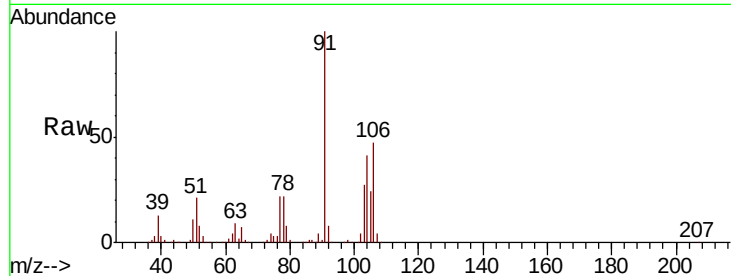




#69
o-Xylene
Concen: 21.365 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD064485.D
Acq: 10 Dec 2019 12:11

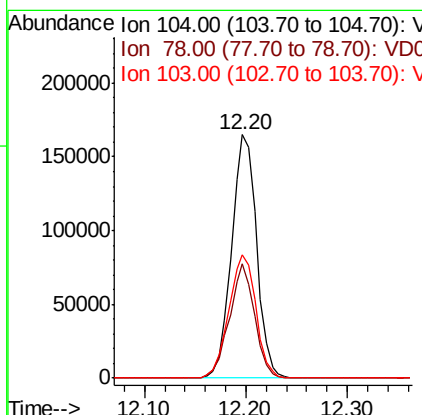
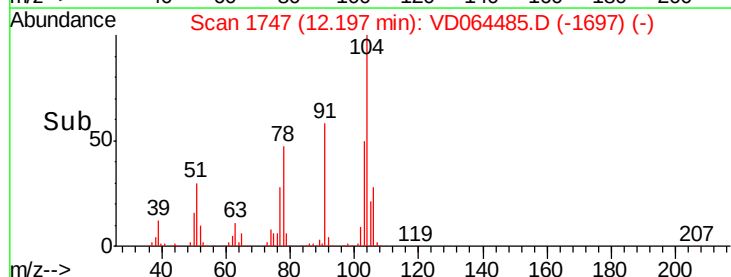
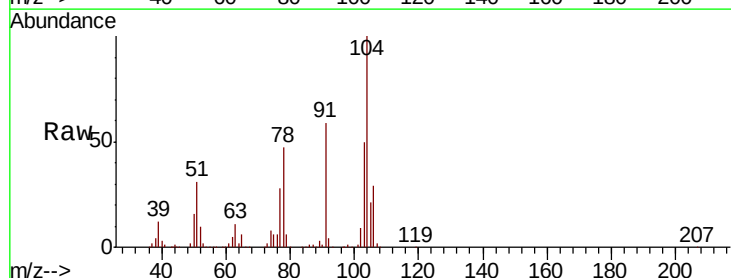
Instrument :
MSVOA_D
ClientSampled :

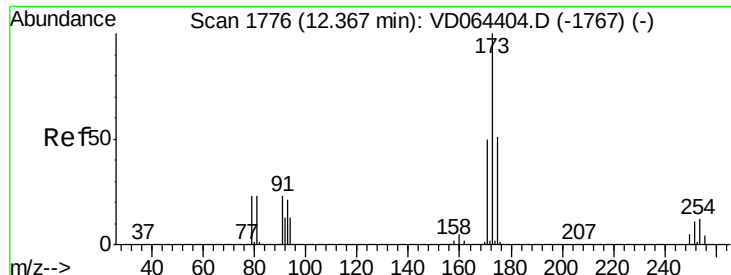
Tot Ion:106 Resp: 158084
Ion Ratio Lower Upper
106 100
91 210.7 103.8 311.4



#70
Styrene
Concen: 21.966 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. -0.01 min
Lab File: VD064485.D
Acq: 10 Dec 2019 12:11

Tgt Ion:104 Resp: 282442
Ion Ratio Lower Upper
104 100
78 47.2 38.8 58.2
103 54.8 44.2 66.4





#71

Bromoform

Concen: 21.305 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. 0.00 min

Lab File: VD064485.D

Acq: 10 Dec 2019 12:11

Instrument :

MSVOA_D

ClientSampleId :

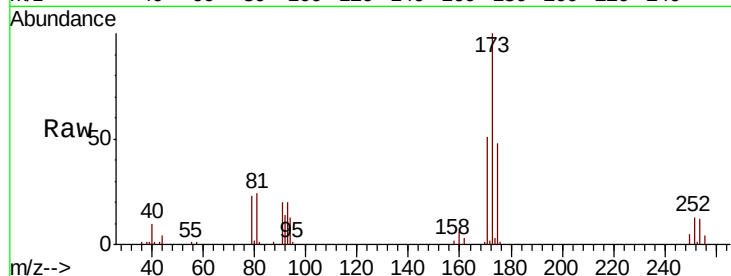
Tot Ion:173 Resp: 55724

Ion Ratio Lower Upper

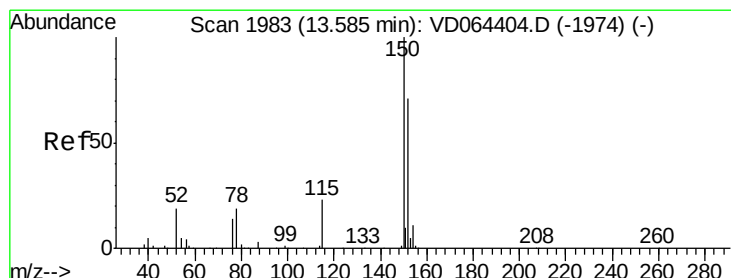
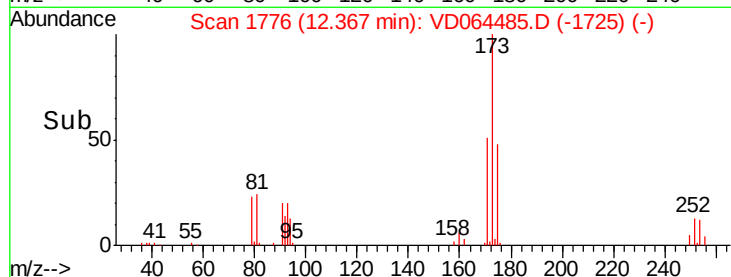
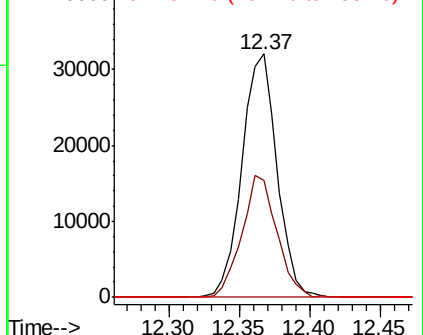
173 100

175 50.1 25.3 75.8

254 0.0 0.0 0.0



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: VD064485.D

Acq: 10 Dec 2019 12:11

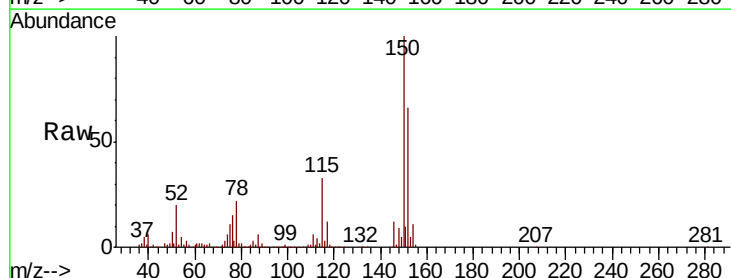
Tgt Ion:152 Resp: 287293

Ion Ratio Lower Upper

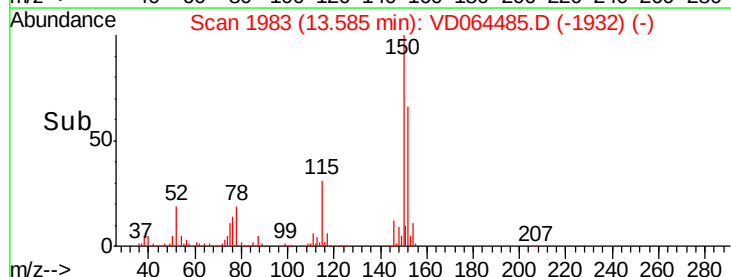
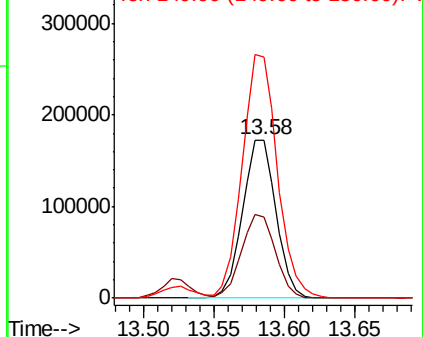
152 100

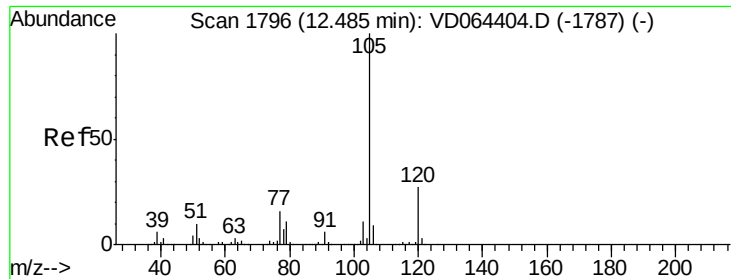
115 53.6 26.7 80.1

150 161.5 0.0 347.2



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

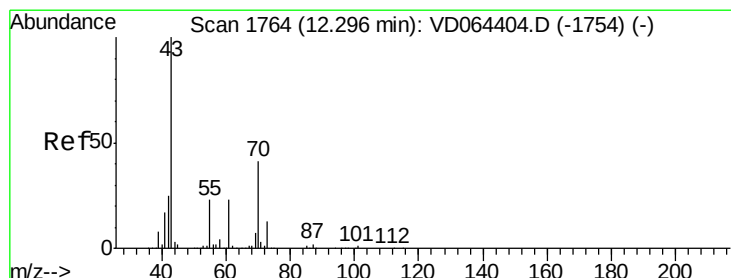
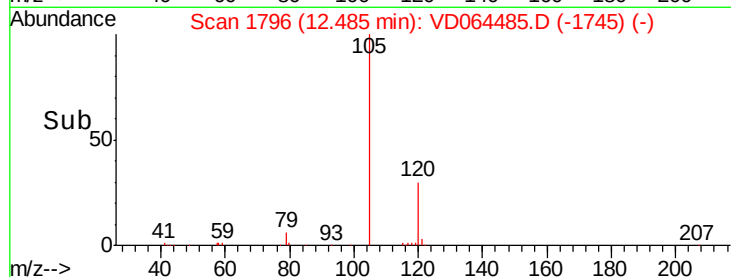
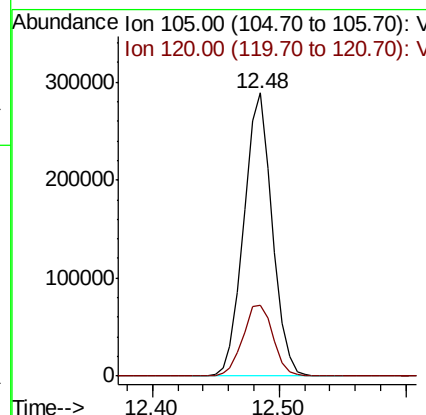
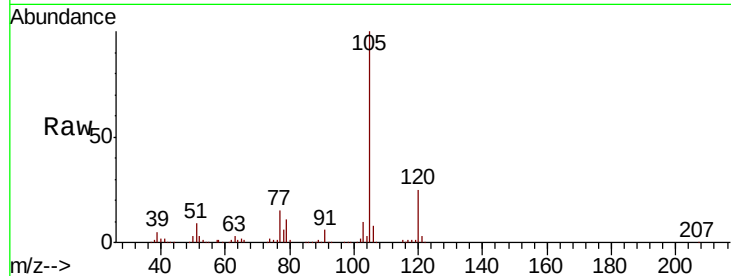




#73
Isopropylbenzene
Concen: 21.597 ug/l
RT: 12.48 min Scan# 1796
Delta R.T. 0.00 min
Lab File: VD064485.D
Acq: 10 Dec 2019 12:11

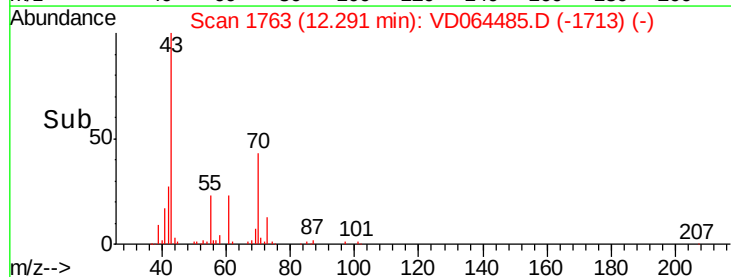
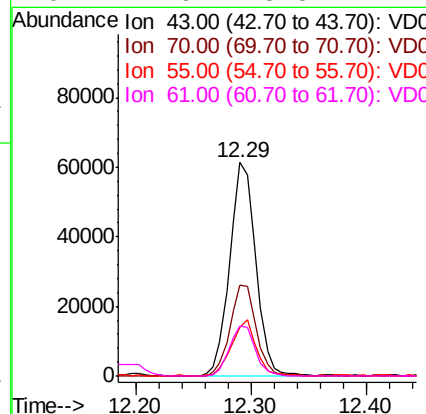
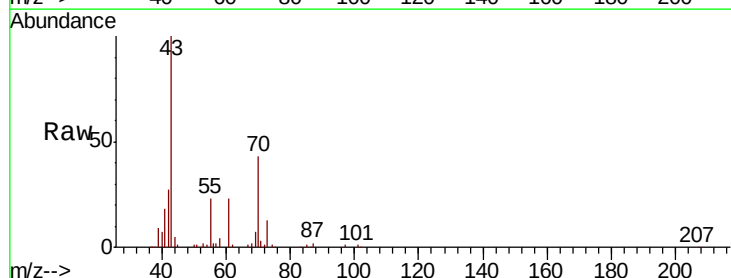
Instrument :
MSVOA_D
ClientSampleId :

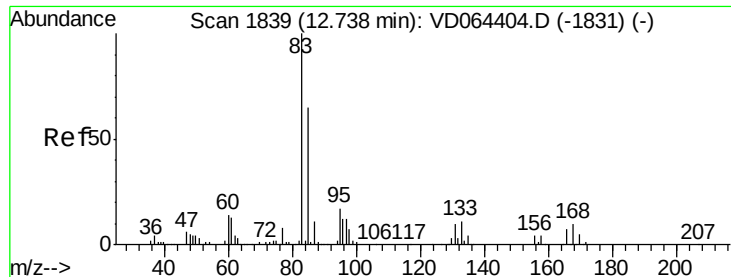
Tot Ion:105 Resp: 446253
Ion Ratio Lower Upper
105 100
120 26.8 13.4 40.2



#74
N-ethyl acetate
Concen: 20.538 ug/l
RT: 12.29 min Scan# 1763
Delta R.T. -0.01 min
Lab File: VD064485.D
Acq: 10 Dec 2019 12:11

Tgt Ion: 43 Resp: 96317
Ion Ratio Lower Upper
43 100
70 42.9 33.4 50.2
55 24.8 18.9 28.3
61 22.9 18.5 27.7





#75

1,1,2,2-Tetrachloroethane

Concen: 20.658 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD064485.D

Acq: 10 Dec 2019 12:11

Instrument :

MSVOA_D

ClientSampleId :

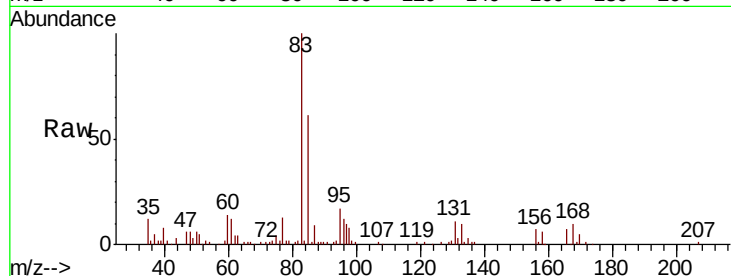
Tot Ion: 83 Resp: 70586

Ion Ratio Lower Upper

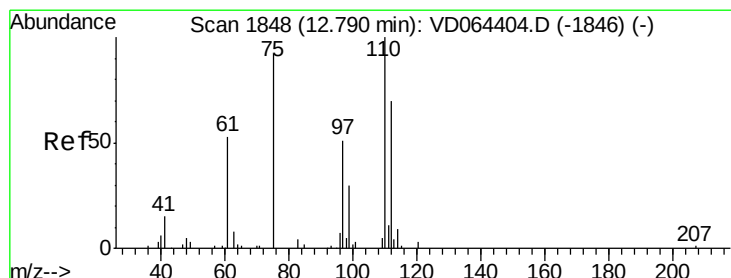
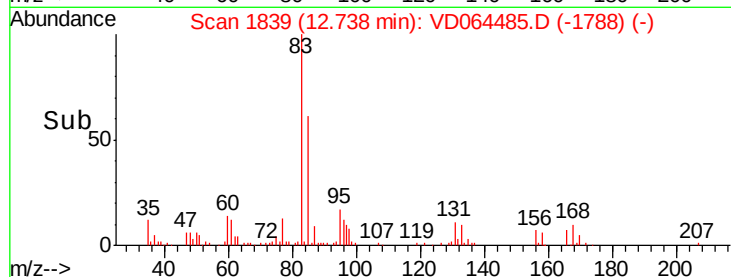
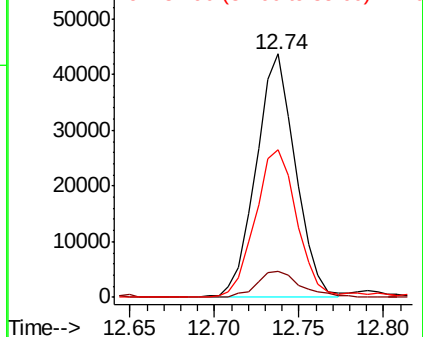
83 100

131 12.1 5.7 17.0

85 64.1 31.3 93.9



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: 39.153 ug/l

RT: 12.79 min Scan# 1848

Delta R.T. 0.00 min

Lab File: VD064485.D

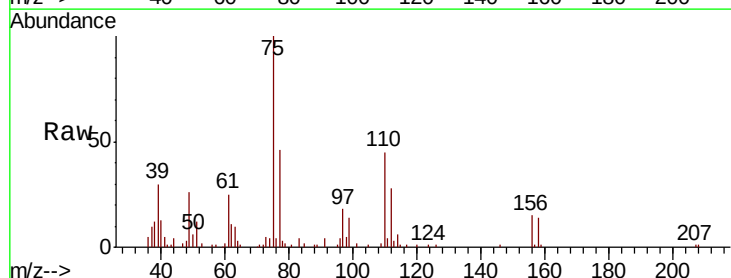
Acq: 10 Dec 2019 12:11

Tgt Ion: 75 Resp: 92504

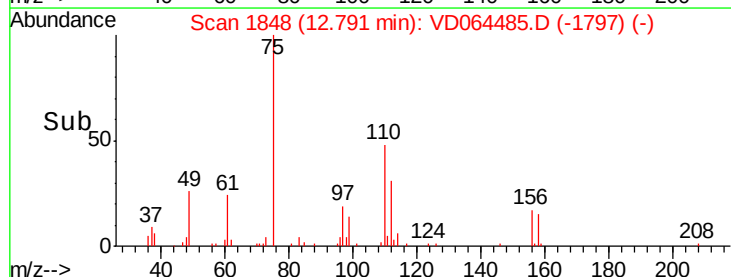
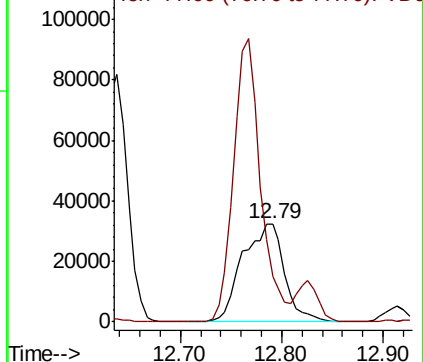
Ion Ratio Lower Upper

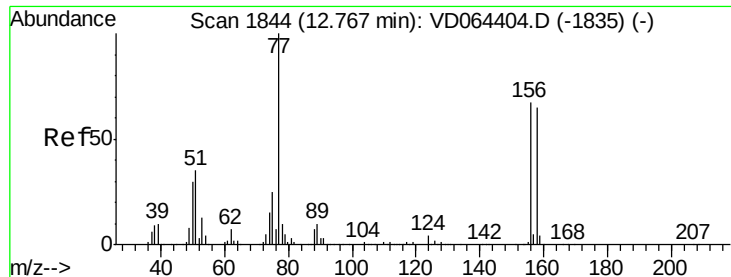
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VDC
Ion 77.00 (76.70 to 77.70): VDC





#77

Bromobenzene

Concen: 21.232 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD064485.D

Acq: 10 Dec 2019 12:11

Instrument :

MSVOA_D

ClientSampled :

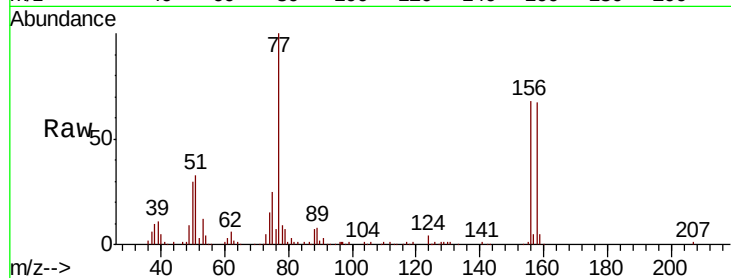
Tot Ion:156 Resp: 108335

Ion Ratio Lower Upper

156 100

77 161.4 80.0 240.2

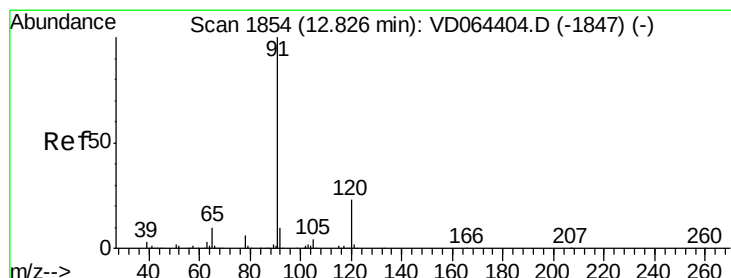
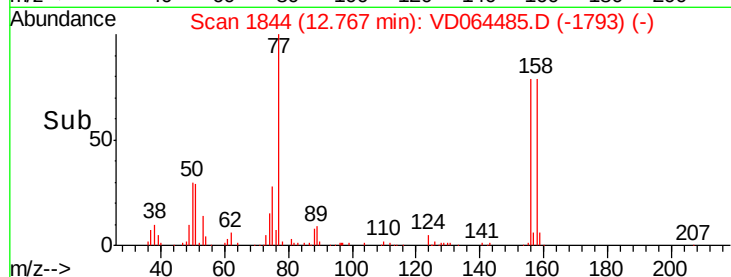
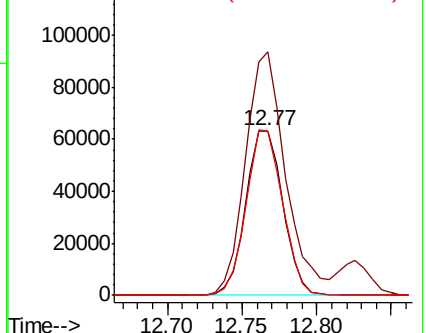
158 98.8 48.9 146.6



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: 21.654 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD064485.D

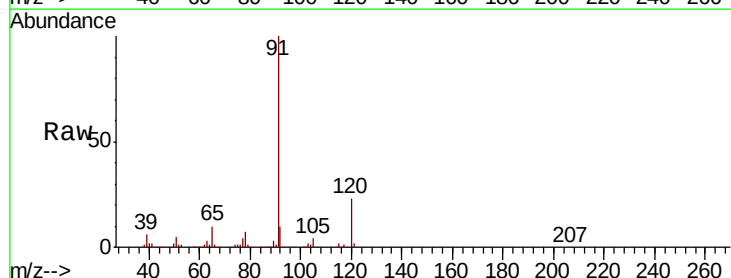
Acq: 10 Dec 2019 12:11

Tgt Ion: 91 Resp: 516246

Ion Ratio Lower Upper

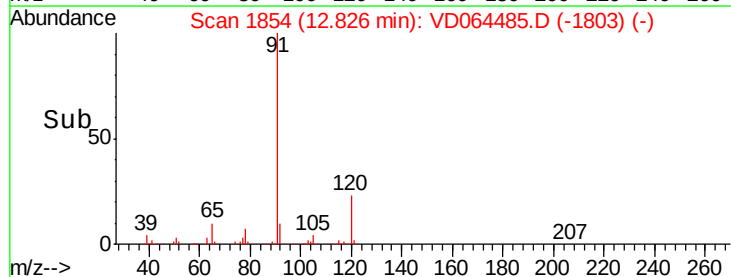
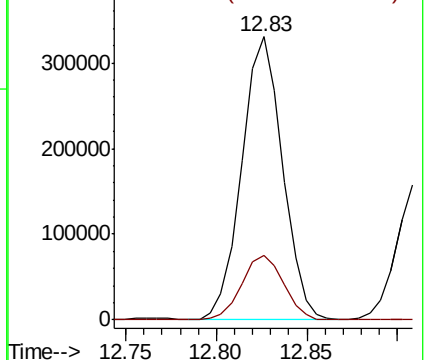
91 100

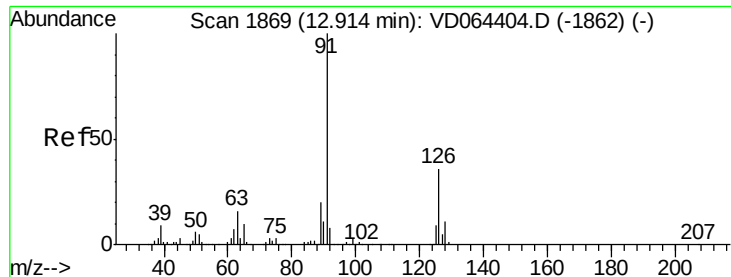
120 23.6 11.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.00 (119.70 to 120.70): V

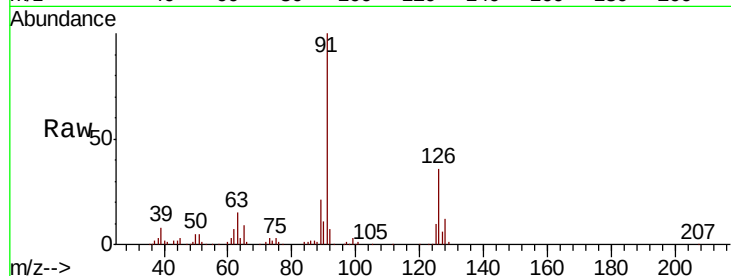




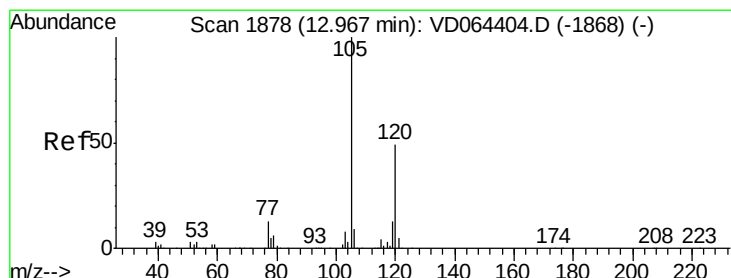
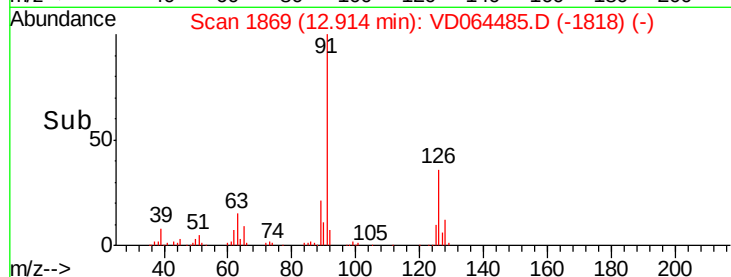
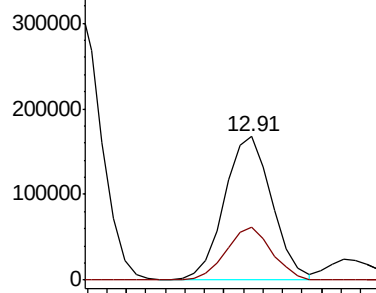
#79
 2-Chlorotoluene
 Concen: 21.517 ug/l
 RT: 12.91 min Scan# 1869
 Delta R.T. 0.00 min
 Lab File: VD064485.D
 Acq: 10 Dec 2019 12:11

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion: 91 Resp: 282264
 Ion Ratio Lower Upper
 91 100
 126 35.6 18.0 54.0

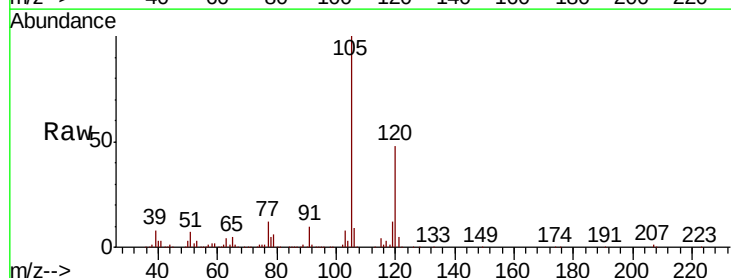


Abundance Ion 91.00 (90.70 to 91.70): VD
 Ion 125.90 (125.60 to 126.60): V

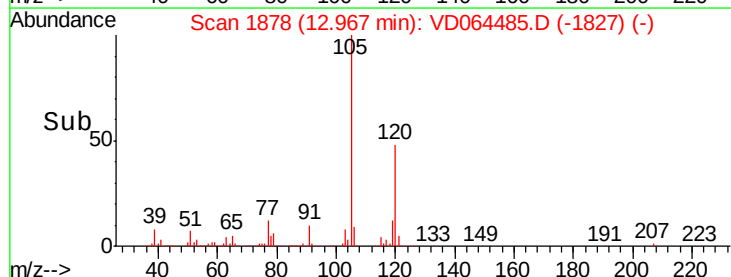
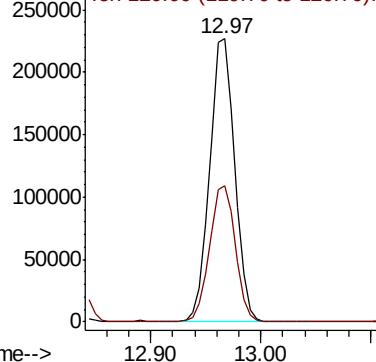


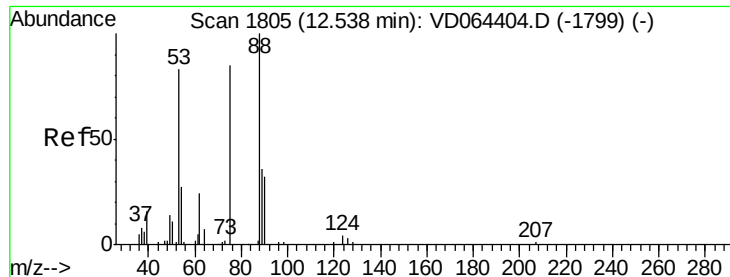
#80
 1,3,5-Trimethylbenzene
 Concen: 21.582 ug/l
 RT: 12.97 min Scan# 1878
 Delta R.T. 0.00 min
 Lab File: VD064485.D
 Acq: 10 Dec 2019 12:11

Tgt Ion:105 Resp: 364411
 Ion Ratio Lower Upper
 105 100
 120 49.4 25.1 75.3



Abundance Ion 105.00 (104.70 to 105.70): V
 Ion 120.00 (119.70 to 120.70): V

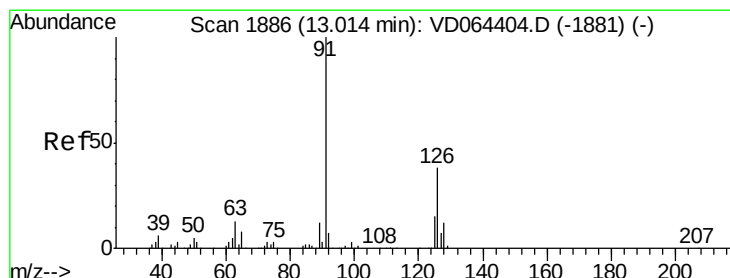
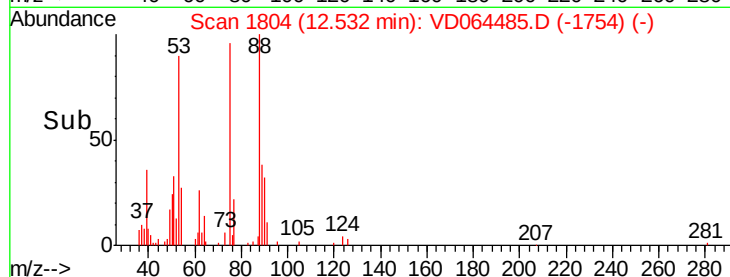
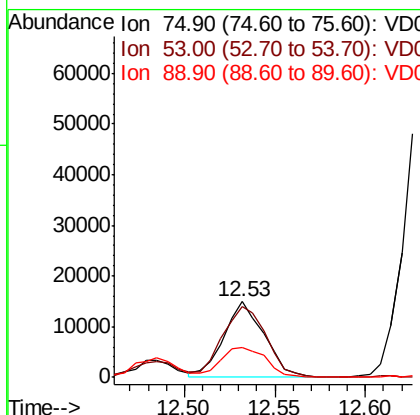
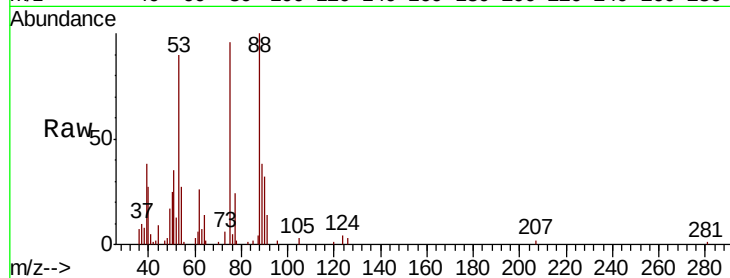




#81
trans-1,4-Dichloro-2-butene
Concen: 21.547 ug/l
RT: 12.53 min Scan# 1804
Delta R.T. -0.01 min
Lab File: VD064485.D
Acq: 10 Dec 2019 12:11

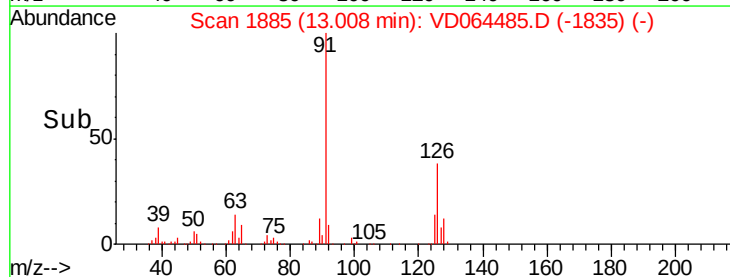
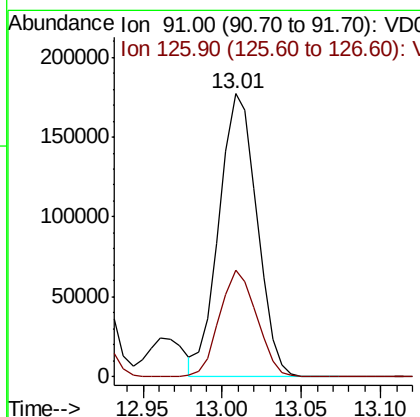
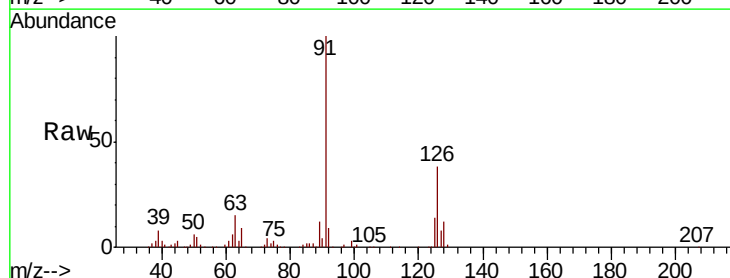
Instrument :
MSVOA_D
ClientSampled :

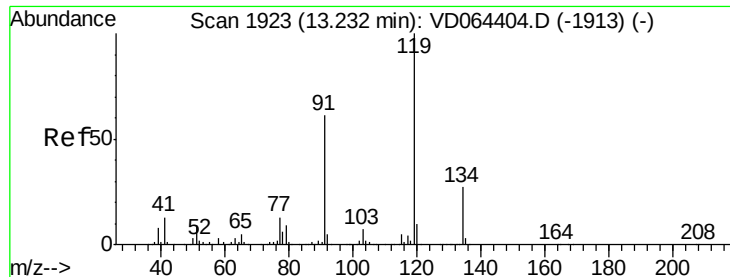
Tot Ion: 75 Resp: 23346
Ion Ratio Lower Upper
75 100
53 101.2 81.0 121.6
89 45.0 38.5 57.7



#82
4-Chlorotoluene
Concen: 21.208 ug/l
RT: 13.01 min Scan# 1885
Delta R.T. -0.01 min
Lab File: VD064485.D
Acq: 10 Dec 2019 12:11

Tgt Ion: 91 Resp: 294562
Ion Ratio Lower Upper
91 100
126 36.9 18.2 54.6

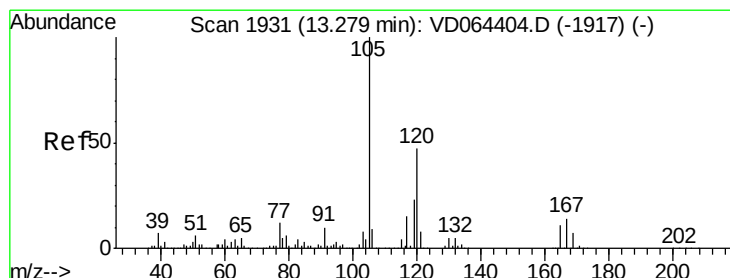
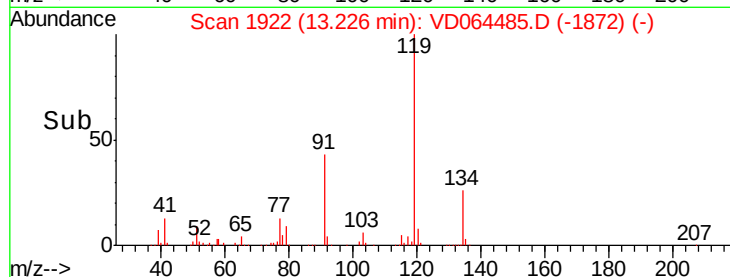
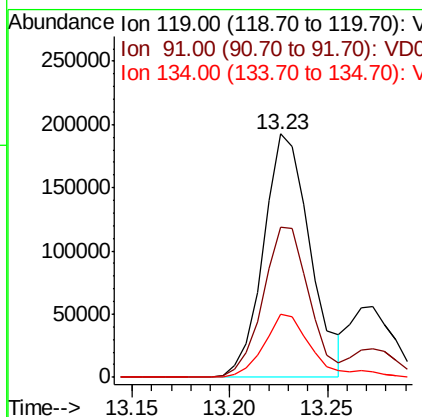
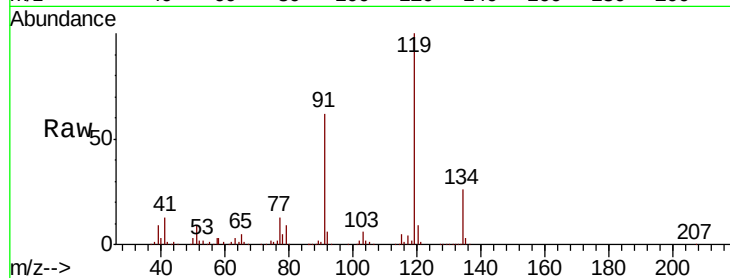




#83
 tert-Butylbenzene
 Concen: 21.745 ug/l
 RT: 13.23 min Scan# 1922
 Delta R.T. -0.01 min
 Lab File: VD064485.D
 Acq: 10 Dec 2019 12:11

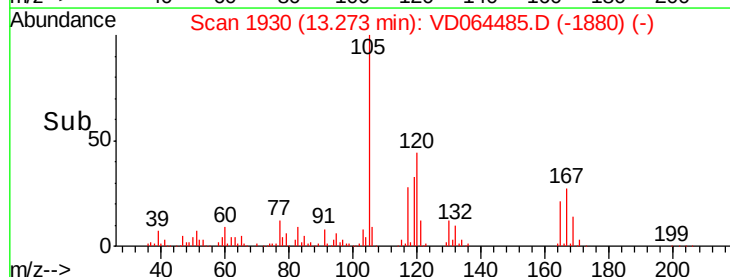
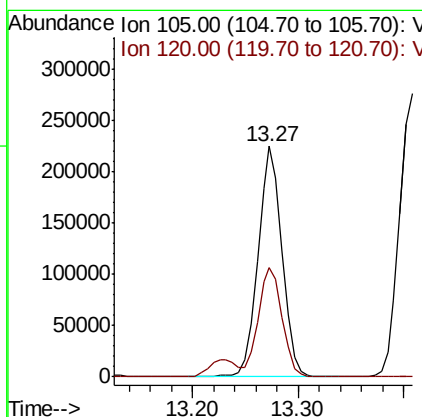
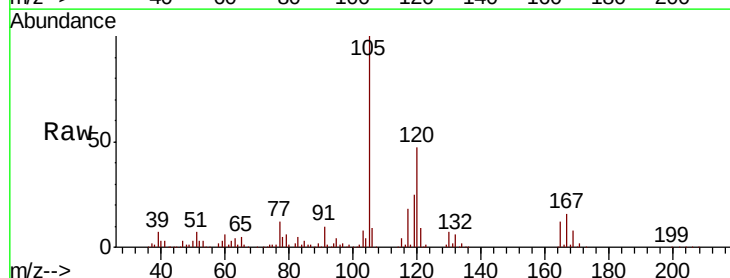
Instrument :
 MSVOA_D
 ClientSampleId :

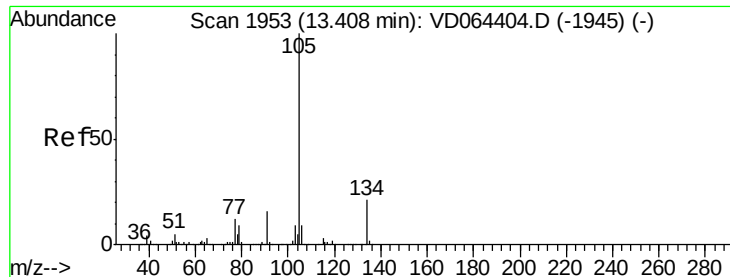
Tot Ion:119 Resp: 319205
 Ion Ratio Lower Upper
 119 100
 91 61.0 31.2 93.6
 134 26.8 13.9 41.7



#84
 1,2,4-Trimethylbenzene
 Concen: 20.868 ug/l
 RT: 13.27 min Scan# 1930
 Delta R.T. -0.01 min
 Lab File: VD064485.D
 Acq: 10 Dec 2019 12:11

Tgt Ion:105 Resp: 354306
 Ion Ratio Lower Upper
 105 100
 120 47.7 23.6 70.8

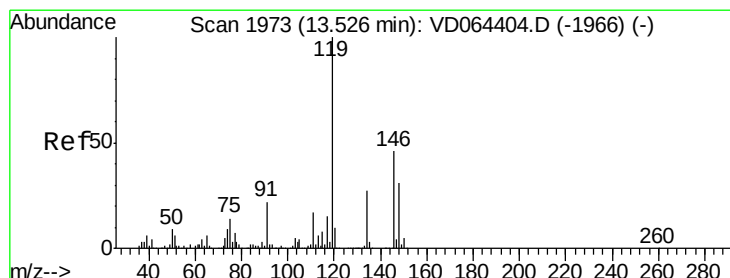
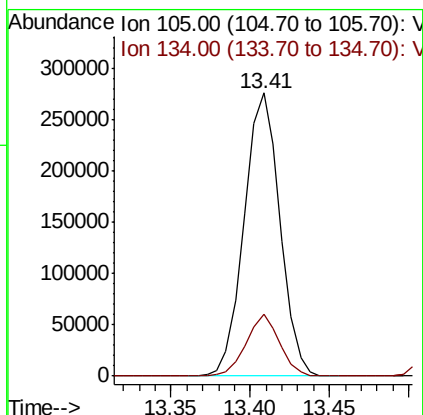
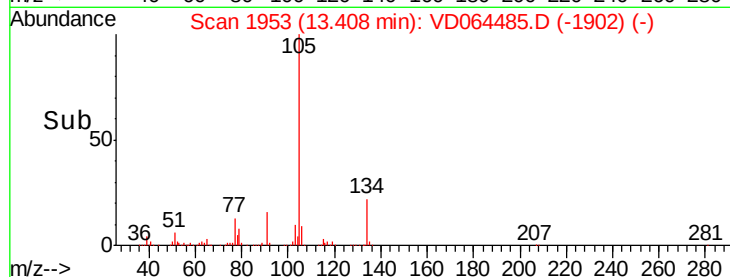
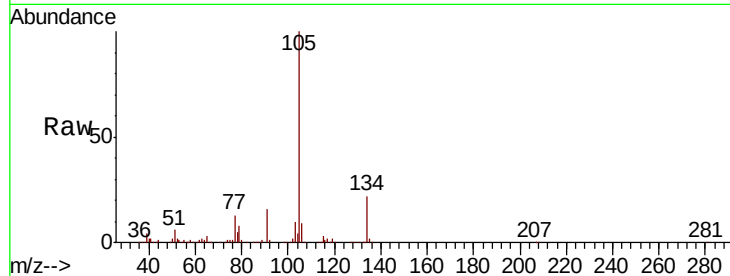




#85
 sec-Butylbenzene
 Concen: 21.465 ug/l
 RT: 13.41 min Scan# 1953
 Delta R.T. 0.00 min
 Lab File: VD064485.D
 Acq: 10 Dec 2019 12:11

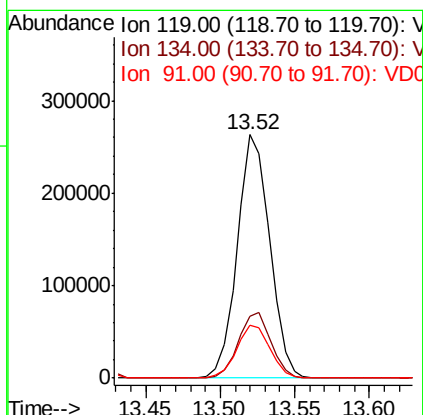
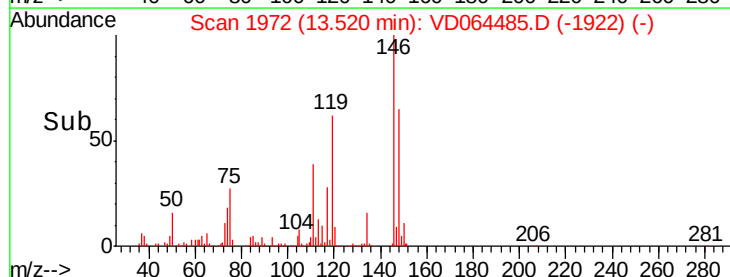
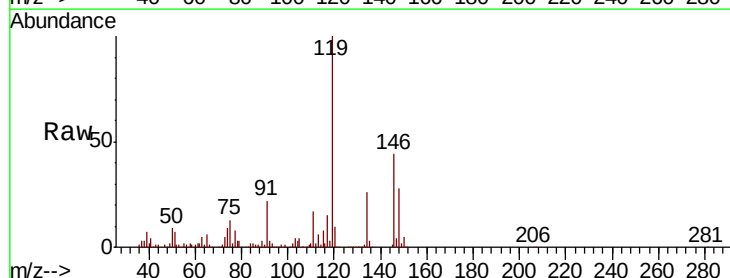
Instrument :
 MSVOA_D
 ClientSampled :

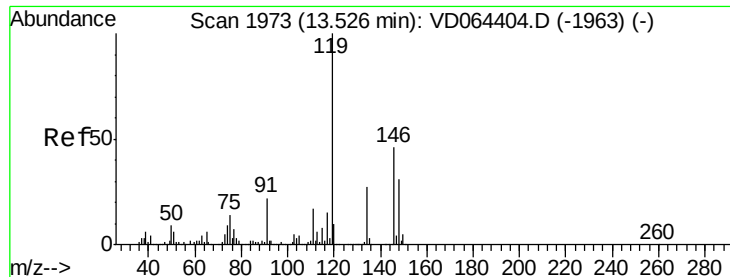
Tot Ion:105 Resp: 432463
 Ion Ratio Lower Upper
 105 100
 134 20.4 10.5 31.5



#86
 p-Isopropyltoluene
 Concen: 20.899 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. -0.01 min
 Lab File: VD064485.D
 Acq: 10 Dec 2019 12:11

Tgt Ion:119 Resp: 397526
 Ion Ratio Lower Upper
 119 100
 134 27.0 13.5 40.4
 91 22.6 11.2 33.5

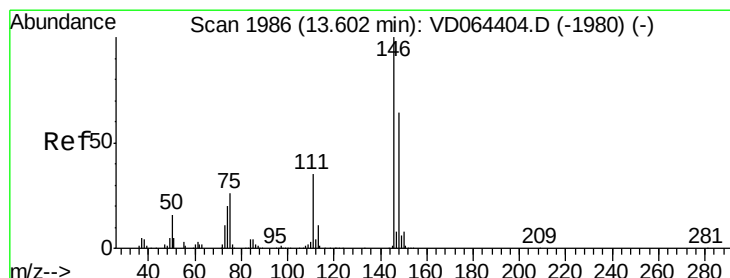
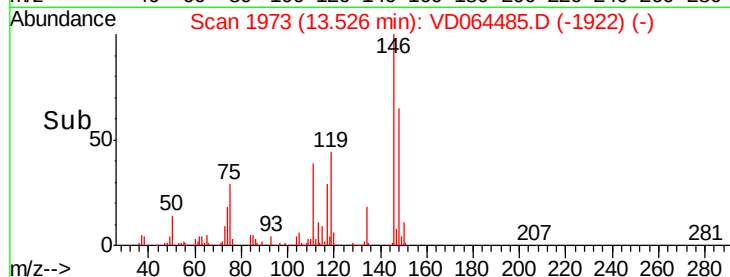
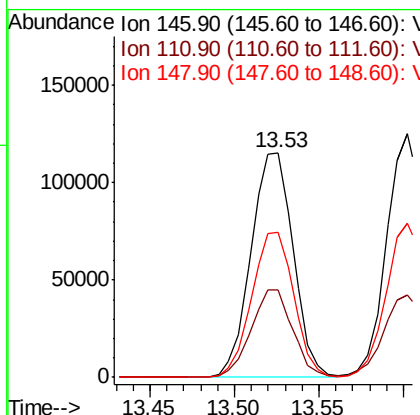
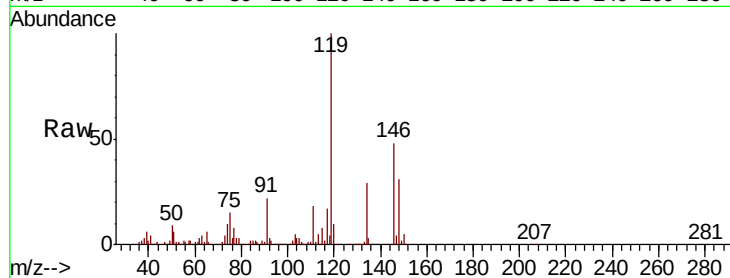




#87
 1,3-Dichlorobenzene
 Concen: 20.665 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.00 min
 Lab File: VD064485.D
 Acq: 10 Dec 2019 12:11

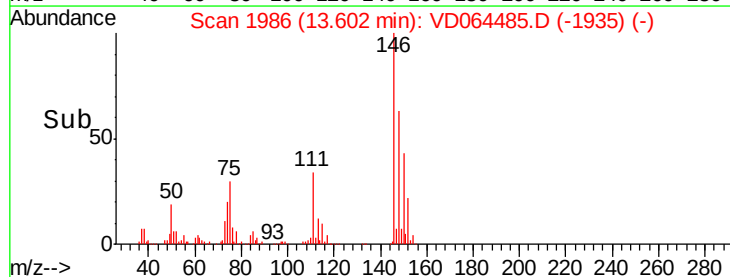
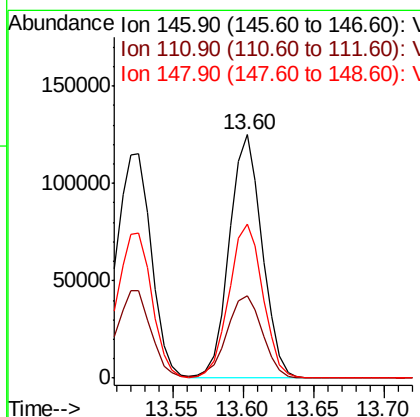
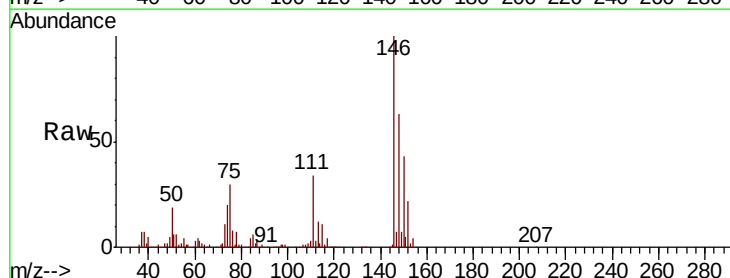
Instrument :
 MSVOA_D
 ClientSampleId :

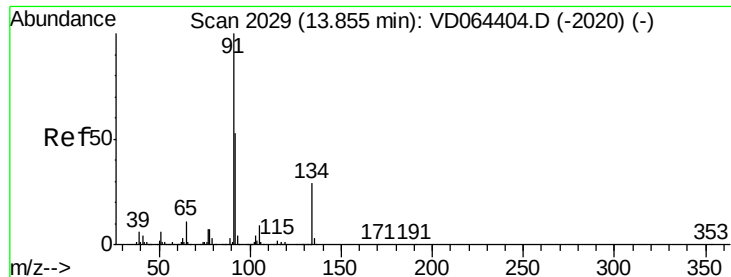
Tot Ion	Ratio	Lower	Upper
146	100		
111	38.3	18.8	56.4
148	64.5	32.6	97.8



#88
 1,4-Dichlorobenzene
 Concen: 21.104 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VD064485.D
 Acq: 10 Dec 2019 12:11

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.0	18.2	54.6
148	65.3	31.8	95.4

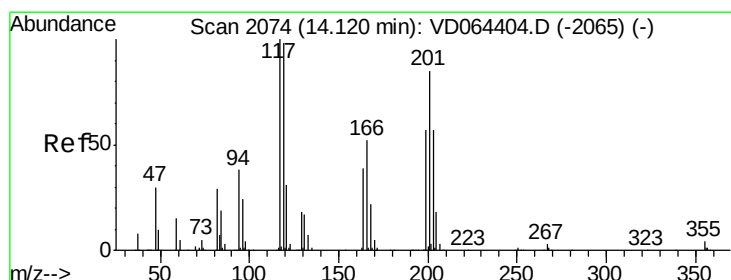
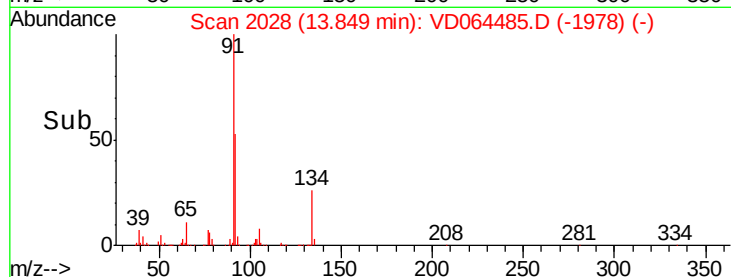
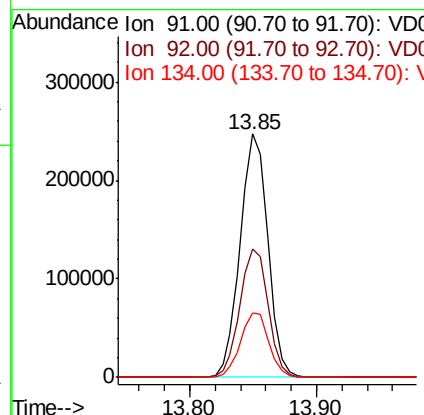
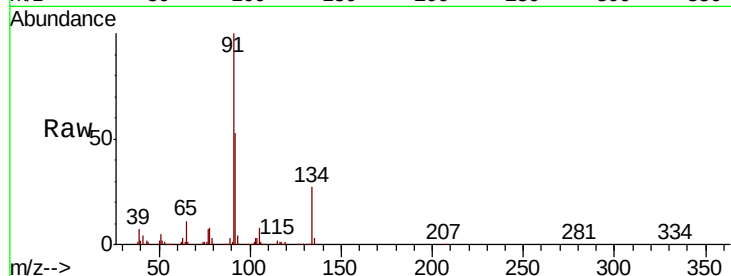




#89
n-Butylbenzene
Concen: 21.634 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. -0.01 min
Lab File: VD064485.D
Acq: 10 Dec 2019 12:11

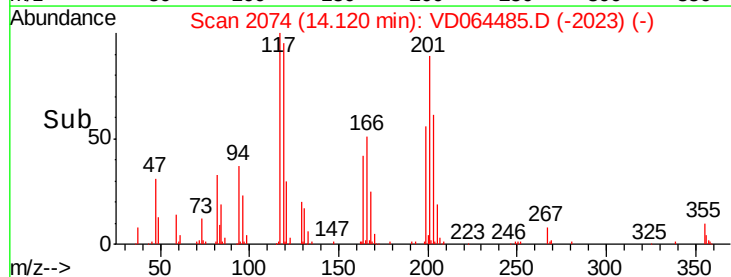
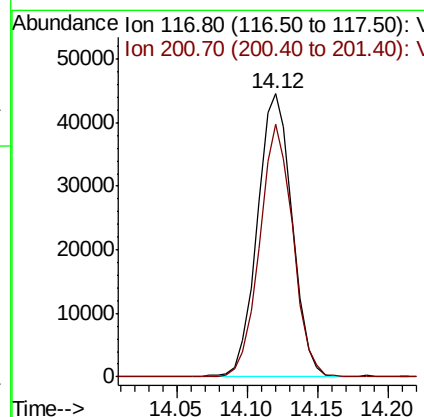
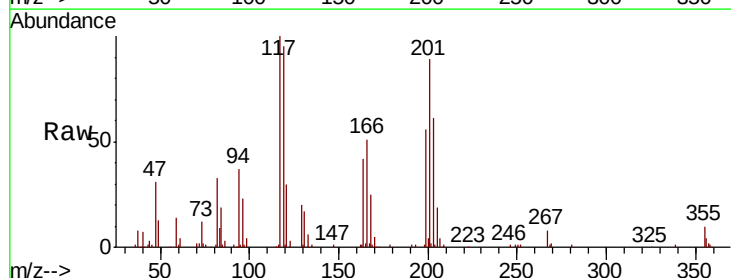
Instrument :
MSVOA_D
ClientSampleId :

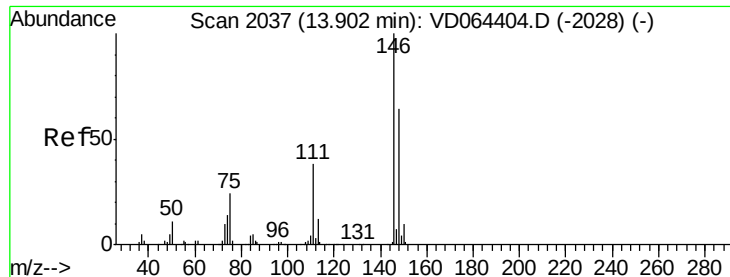
Tot Ion: 91 Resp: 373693
Ion Ratio Lower Upper
91 100
92 53.7 26.5 79.4
134 27.2 13.9 41.7



#90
Hexachloroethane
Concen: 21.636 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.00 min
Lab File: VD064485.D
Acq: 10 Dec 2019 12:11

Tgt Ion: 117 Resp: 76974
Ion Ratio Lower Upper
117 100
201 85.4 44.3 132.8

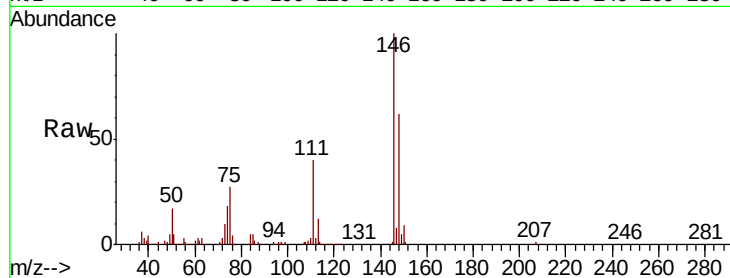




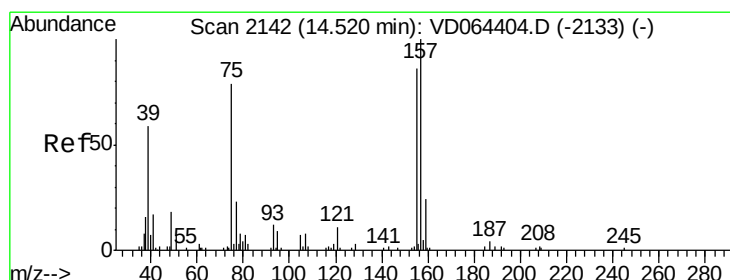
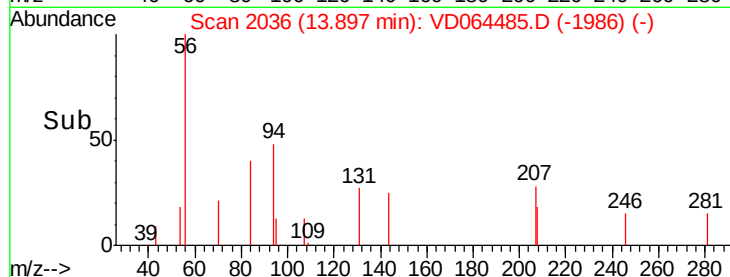
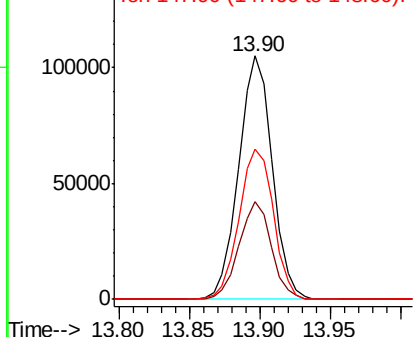
#91
 1,2-Dichlorobenzene
 Concen: 21.087 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. -0.01 min
 Lab File: VD064485.D
 Acq: 10 Dec 2019 12:11

Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.7	19.1	57.3
148	63.3	32.0	96.0

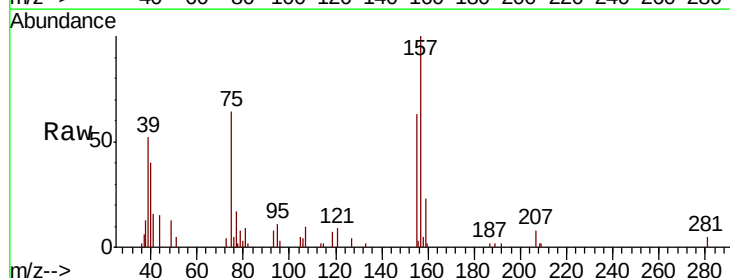


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

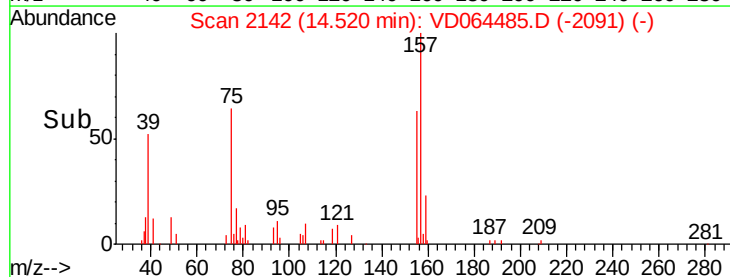
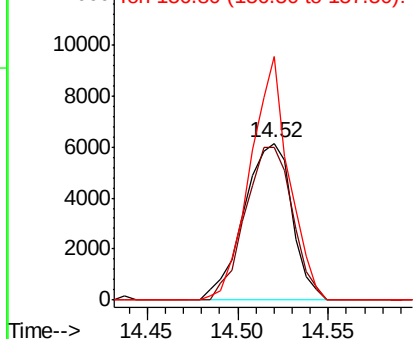


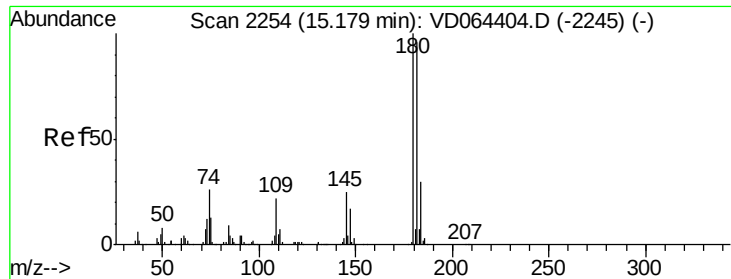
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.553 ug/l
 RT: 14.52 min Scan# 2142
 Delta R.T. 0.00 min
 Lab File: VD064485.D
 Acq: 10 Dec 2019 12:11

Tgt Ion	Ratio	Lower	Upper
75	100		
155	95.9	51.9	155.7
157	124.7	63.2	189.8



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

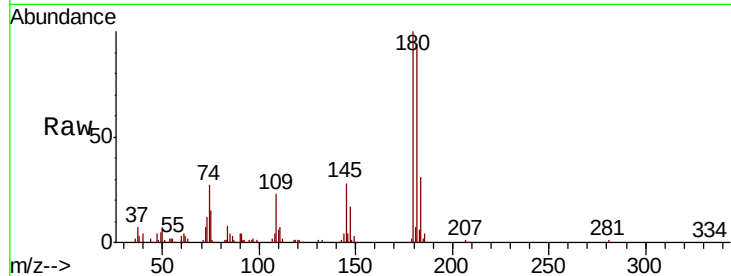




#93
 1,2,4-Trichlorobenzene
 Concen: 20.903 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. -0.01 min
 Lab File: VD064485.D
 Acq: 10 Dec 2019 12:11

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.3	47.4	142.3
145	26.9	14.0	41.9

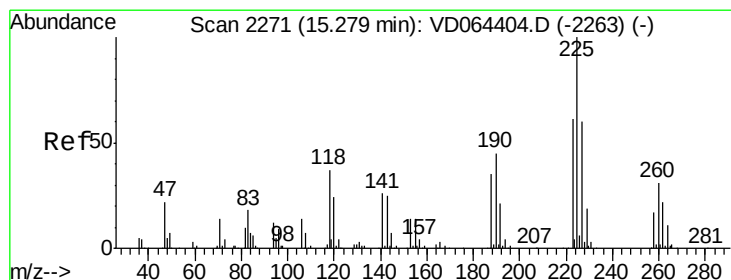
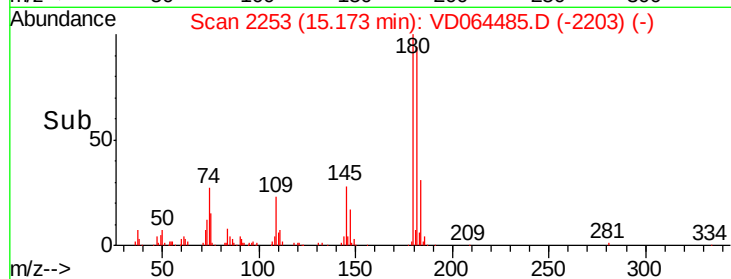
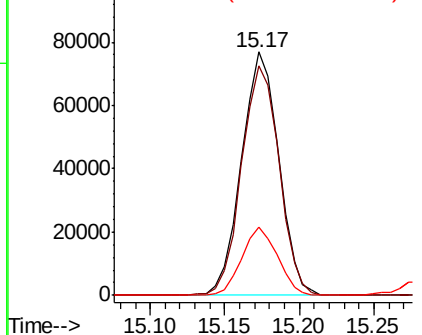


Abundance

Ion 179.80 (179.50 to 180.50): V

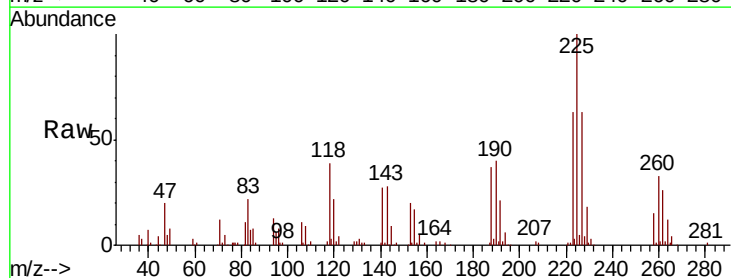
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 21.336 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.00 min
 Lab File: VD064485.D
 Acq: 10 Dec 2019 12:11

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.2	31.1	93.3
227	62.4	31.8	95.4

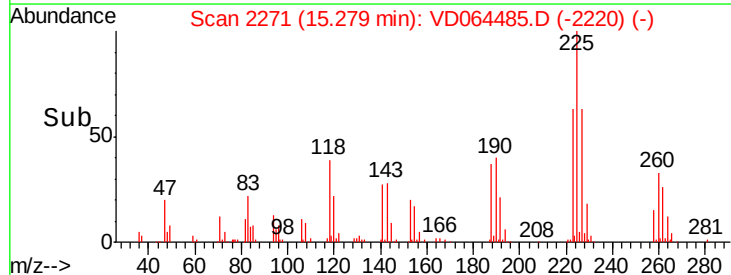
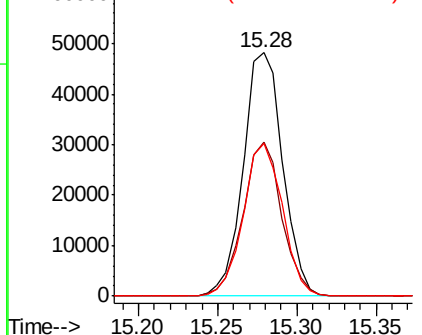


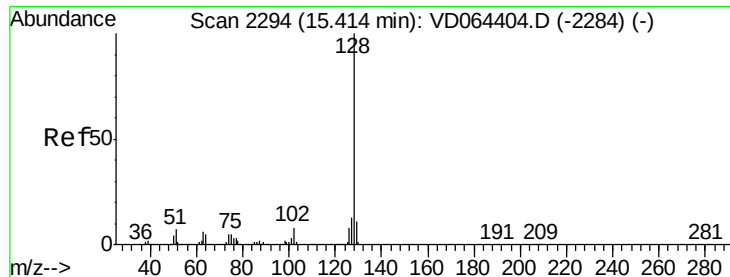
Abundance

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

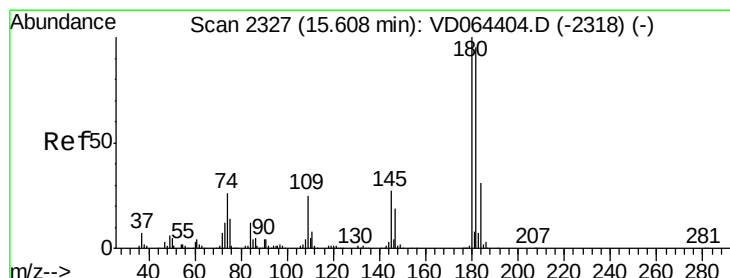
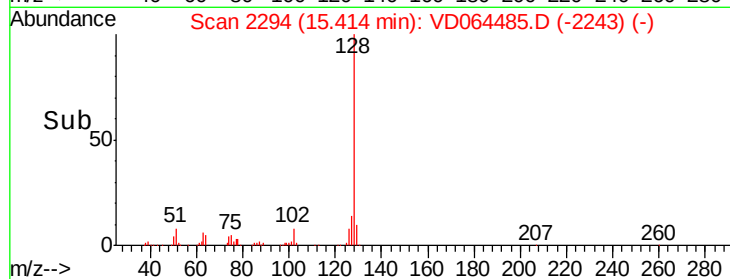
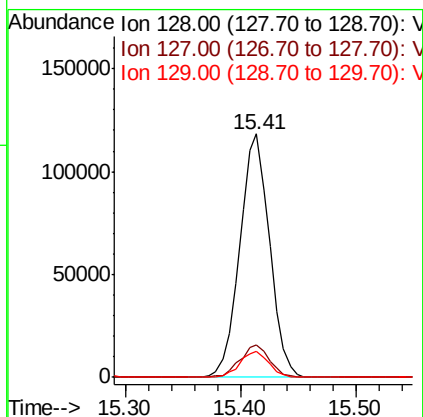
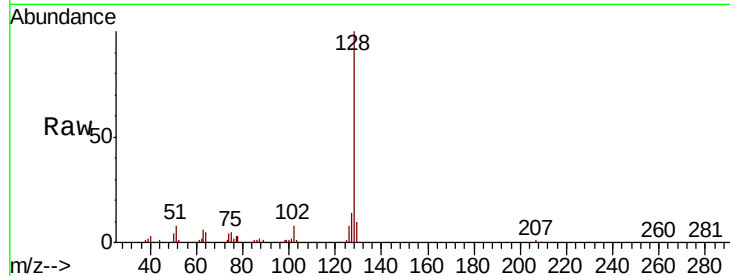




#95
Naphthalene
Concen: 19.960 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. 0.00 min
Lab File: VD064485.D
Acq: 10 Dec 2019 12:11

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:128 Resp: 211142
Ion Ratio Lower Upper
128 100
127 13.4 10.5 15.7
129 10.3 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 20.784 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. 0.00 min
Lab File: VD064485.D
Acq: 10 Dec 2019 12:11

Tgt Ion:180 Resp: 112455
Ion Ratio Lower Upper
180 100
182 95.0 47.6 142.9
145 28.7 14.6 43.8

