

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD012120\
 Data File : VD064901.D
 Acq On : 21 Jan 2020 09:21
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jan 22 05:24:57 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D122419S.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 24 13:19:06 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	354232	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	497278	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	430412	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	219064	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	143791	46.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.06%	
35) Dibromofluoromethane	7.92	113	149201	48.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.80%	
50) Toluene-d8	10.34	98	537600	46.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.02%	
62) 4-Bromofluorobenzene	12.64	95	173984	47.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.18%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	117523	42.691	ug/l	99
3) Chloromethane	2.21	50	169807	44.105	ug/l	98
4) Vinyl Chloride	2.35	62	203268	43.301	ug/l	96
5) Bromomethane	2.78	94	136954	40.124	ug/l	96
6) Chloroethane	2.93	64	140648	44.715	ug/l	97
7) Trichlorofluoromethane	3.27	101	347040	43.906	ug/l	100
8) Diethyl Ether	3.71	74	73723	46.969	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.09	101	170681	52.141	ug/l	97
10) Methyl Iodide	4.30	142	161729	45.996	ug/l	99
11) Tert butyl alcohol	5.25	59	42922	239.770	ug/l #	83
12) 1,1-Dichloroethene	4.06	96	151277	48.541	ug/l	97
13) Acrolein	3.93	56	31289	125.416	ug/l	99
14) Allyl chloride	4.71	41	243145	50.040	ug/l	97
15) Acrylonitrile	5.43	53	156889	239.969	ug/l	98
16) Acetone	4.17	43	192179	298.530	ug/l	93
17) Carbon Disulfide	4.40	76	423358	42.012	ug/l	100
18) Methyl Acetate	4.72	43	80915	46.013	ug/l	99
19) Methyl tert-butyl Ether	5.48	73	339442	49.037	ug/l	100
20) Methylene Chloride	4.97	84	165576	52.029	ug/l	96
21) trans-1,2-Dichloroethene	5.47	96	174636	49.204	ug/l	96
22) Diisopropyl ether	6.37	45	516509	53.294	ug/l	100
23) Vinyl Acetate	6.31	43	1381418	251.272	ug/l	99
24) 1,1-Dichloroethane	6.26	63	316173	54.342	ug/l	98
25) 2-Butanone	7.23	43	222578	259.235	ug/l	94
26) 2,2-Dichloropropane	7.21	77	293126	54.187	ug/l	98
27) cis-1,2-Dichloroethene	7.21	96	196979	51.425	ug/l	97
28) Bromochloromethane	7.56	49	114874	50.791	ug/l	99
29) Tetrahydrofuran	7.57	42	121350	227.273	ug/l	97
30) Chloroform	7.71	83	327928	53.721	ug/l	99
31) Cyclohexane	7.98	56	272716	46.826	ug/l	95
32) 1,1,1-Trichloroethane	7.90	97	304290	53.072	ug/l	99
36) 1,1-Dichloropropene	8.11	75	252218	52.696	ug/l	100
37) Ethyl Acetate	7.30	43	87018	46.279	ug/l	97
38) Carbon Tetrachloride	8.10	117	278997	54.667	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	291066	50.209	ug/l	99
40) Benzene	8.36	78	691920	52.956	ug/l	98
41) Methacrylonitrile	7.56	41	130958	120.040	ug/l #	24
42) 1,2-Dichloroethane	8.43	62	199944	52.955	ug/l	98
43) Isopropyl Acetate	8.46	43	179382	47.930	ug/l	98
44) Trichloroethene	9.12	130	196016	51.067	ug/l	97
45) 1,2-Dichloropropane	9.39	63	173844	55.725	ug/l	97
46) Dibromomethane	9.48	93	86146	49.528	ug/l	99
47) Bromodichloromethane	9.67	83	250759	54.179	ug/l	96
48) Methyl methacrylate	9.46	41	79882	45.331	ug/l	87
49) 1,4-Dioxane	9.47	88	17678	881.446	ug/l	92
51) 4-Methyl-2-Pentanone	10.24	43	454574	245.732	ug/l	100
52) Toluene	10.41	92	452873	52.830	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	223916	51.892	ug/l	99
54) cis-1,3-Dichloropropene	10.10	75	273574	53.768	ug/l	98
55) 1,1,2-Trichloroethane	10.81	97	121346	51.768	ug/l	97
56) Ethyl methacrylate	10.67	69	144347	49.309	ug/l	99
57) 1,3-Dichloropropane	10.95	76	207397	51.387	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.95	63	260083	233.191	ug/l	99
59) 2-Hexanone	10.99	43	334258	266.225	ug/l	99
60) Dibromochloromethane	11.14	129	166843	51.471	ug/l	100
61) 1,2-Dibromoethane	11.25	107	114744	49.630	ug/l	99
64) Tetrachloroethene	10.88	164	168463	51.018	ug/l	98
65) Chlorobenzene	11.68	112	477079	53.406	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.75	131	188161	55.873	ug/l	97
67) Ethyl Benzene	11.75	91	883296	54.477	ug/l	99
68) m/p-Xylenes	11.86	106	684769	109.417	ug/l	99
69) o-Xylene	12.18	106	304378	53.845	ug/l	99
70) Styrene	12.20	104	539583	54.381	ug/l	99
71) Bromoform	12.37	173	93861	48.873	ug/l	100
73) Isopropylbenzene	12.48	105	845139	53.986	ug/l	98
74) N-amyl acetate	12.30	43	162033	48.420	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	124766	50.734	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	165953	95.934	ug/l #	100
77) Bromobenzene	12.77	156	195397	50.797	ug/l	98
78) n-propylbenzene	12.83	91	996057	54.539	ug/l	99
79) 2-Chlorotoluene	12.91	91	541991	54.022	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	693228	53.907	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.54	75	40845	49.383	ug/l	97
82) 4-Chlorotoluene	13.01	91	571781	53.554	ug/l	100
83) tert-Butylbenzene	13.23	119	590443	52.881	ug/l	96
84) 1,2,4-Trimethylbenzene	13.28	105	688237	53.737	ug/l	98
85) sec-Butylbenzene	13.41	105	833355	54.442	ug/l	99
86) p-Isopropyltoluene	13.53	119	778755	53.206	ug/l	100
87) 1,3-Dichlorobenzene	13.53	146	383595	52.311	ug/l	100
88) 1,4-Dichlorobenzene	13.60	146	376640	52.285	ug/l	99
89) n-Butylbenzene	13.86	91	719246	54.568	ug/l	98
90) Hexachloroethane	14.12	117	150398	53.793	ug/l	96
91) 1,2-Dichlorobenzene	13.90	146	322810	51.626	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.52	75	19148	48.030	ug/l	92

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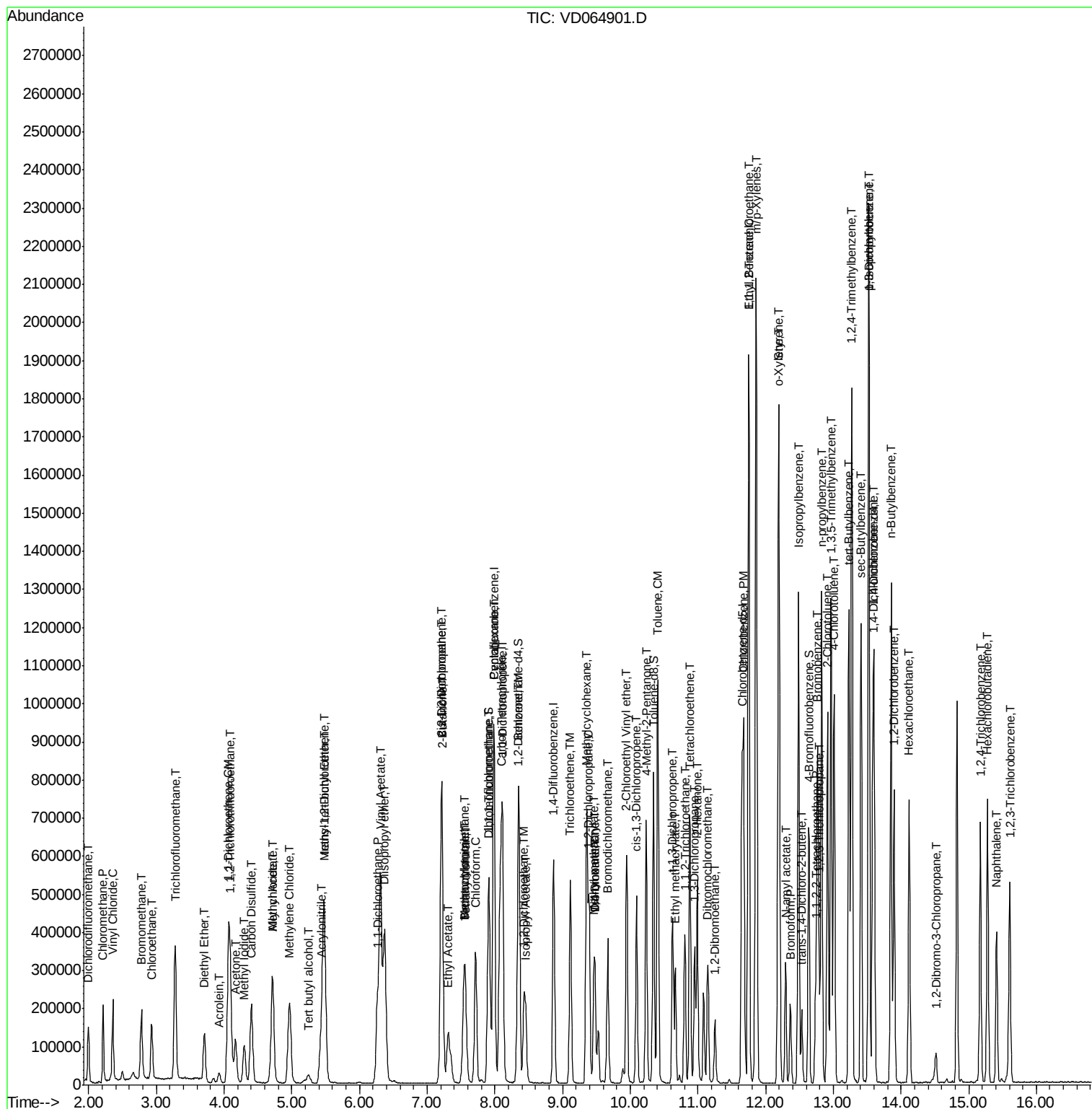
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	231073	50.189	ug/l	98
94) Hexachlorobutadiene	15.28	225	143919	49.675	ug/l	97
95) Naphthalene	15.41	128	330888	45.429	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	187125	47.609	ug/l	99

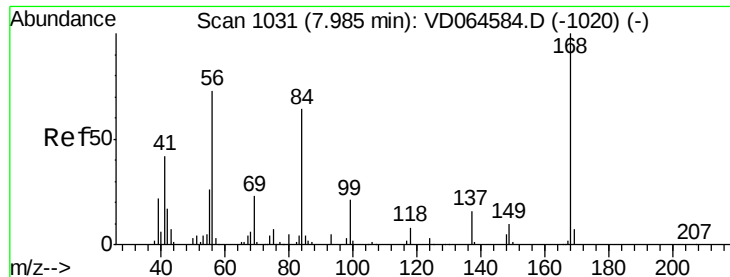
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD064901.D

Acq: 21 Jan 2020 09:21

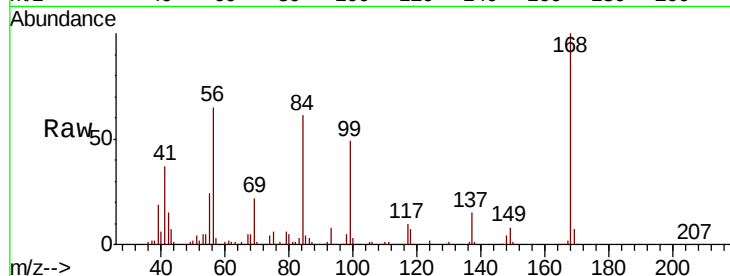
Instrument :
MSVOA_D
ClientSampled :

Tot Ion:168 Resp: 354232

Ion Ratio Lower Upper

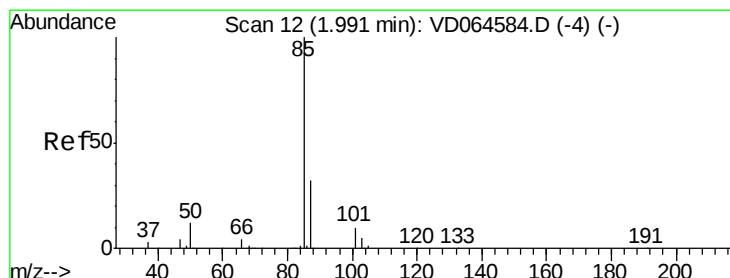
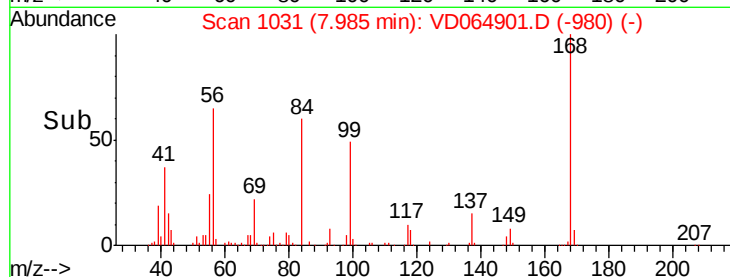
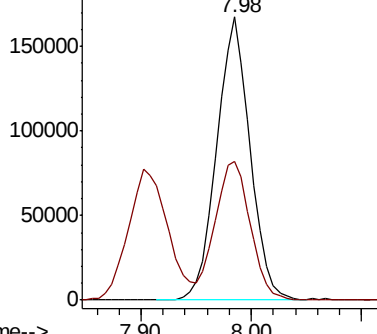
168 100

99 49.0 41.8 62.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 42.691 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD064901.D

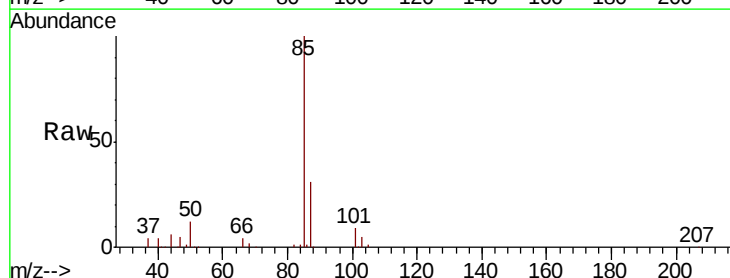
Acq: 21 Jan 2020 09:21

Tgt Ion: 85 Resp: 117523

Ion Ratio Lower Upper

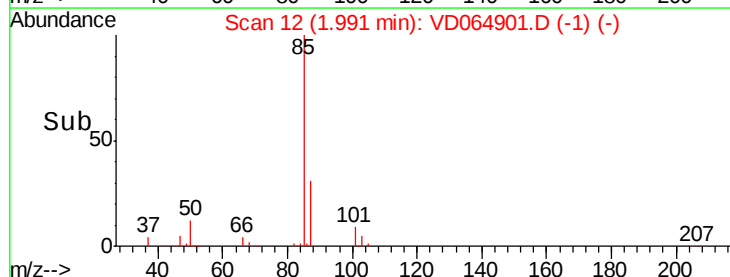
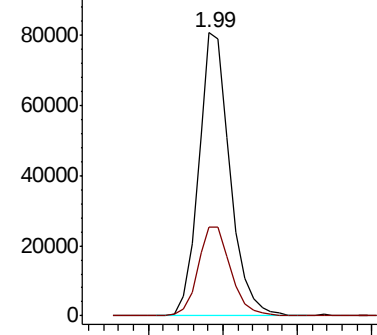
85 100

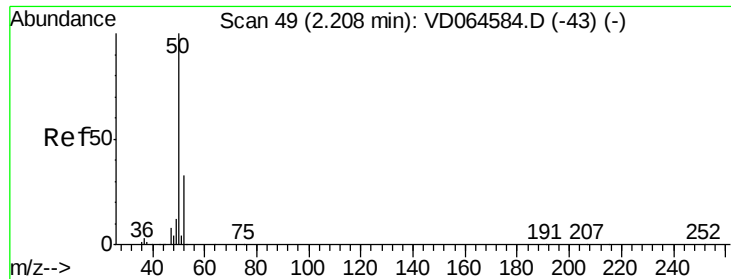
87 31.5 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 44.105 ug/l

RT: 2.21 min Scan# 50

Delta R.T. 0.01 min

Lab File: VD064901.D

Acq: 21 Jan 2020 09:21

Instrument :

MSVOA_D

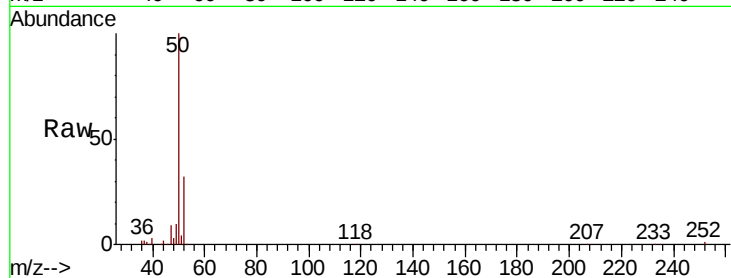
ClientSampleId :

Tot Ion: 50 Resp: 169807

Ion Ratio Lower Upper

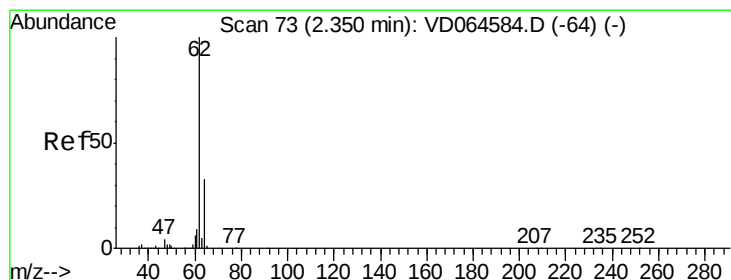
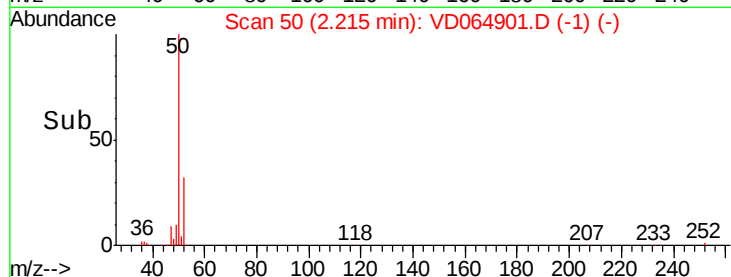
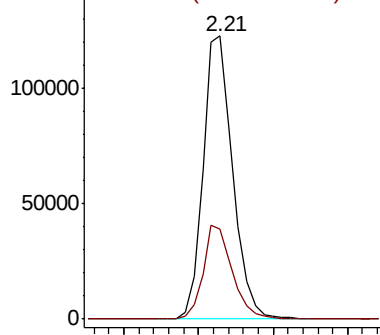
50 100

52 31.8 26.5 39.7



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 43.301 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD064901.D

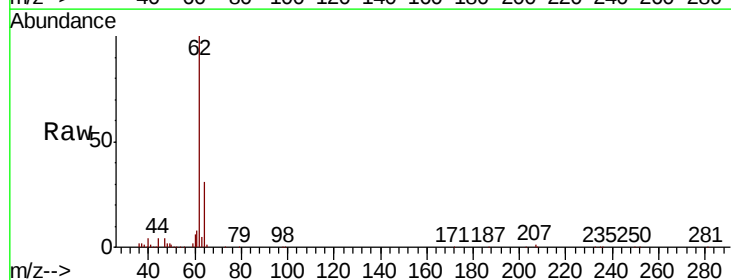
Acq: 21 Jan 2020 09:21

Tgt Ion: 62 Resp: 203268

Ion Ratio Lower Upper

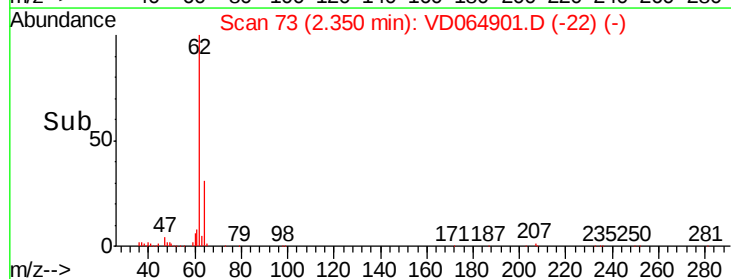
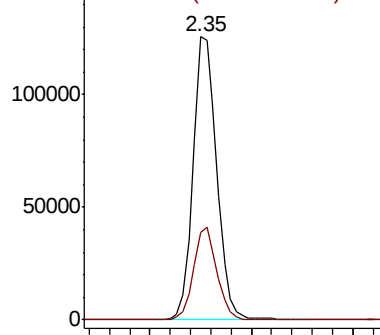
62 100

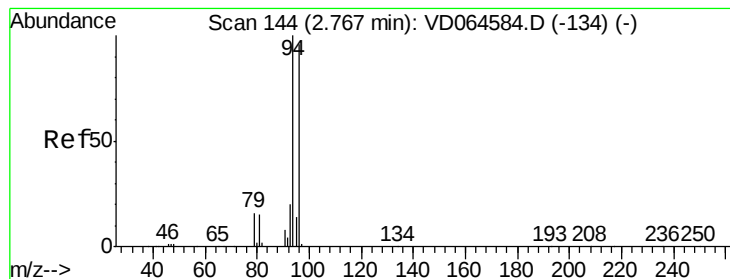
64 30.9 26.6 40.0



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 40.124 ug/l

RT: 2.78 min Scan# 146

Delta R.T. 0.01 min

Lab File: VD064901.D

Acq: 21 Jan 2020 09:21

Instrument :

MSVOA_D

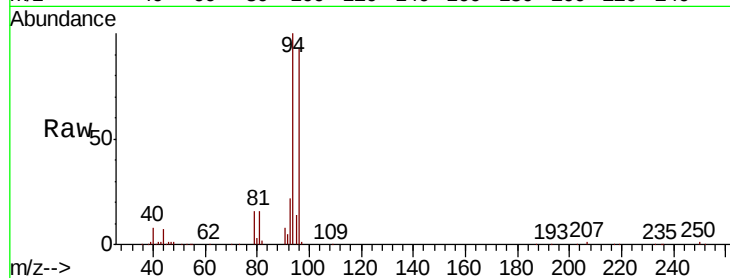
ClientSampleId :

Tot Ion: 94 Resp: 136954

Ion Ratio Lower Upper

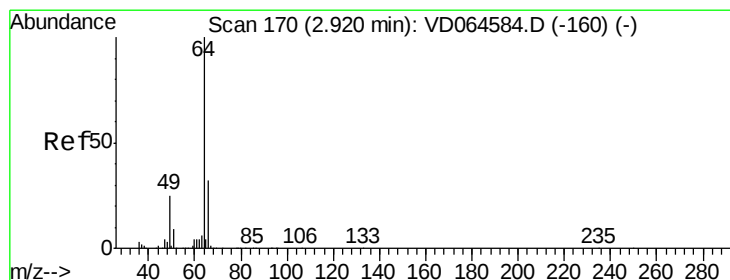
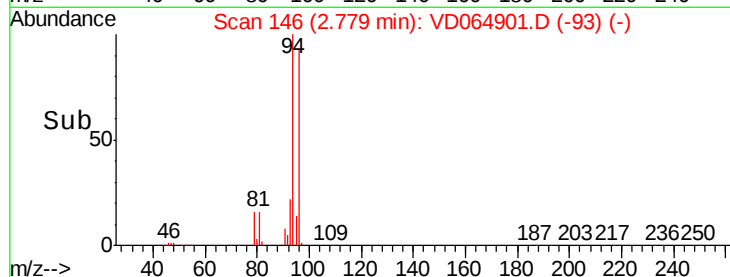
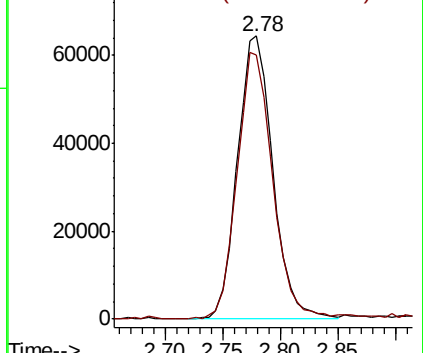
94 100

96 92.8 77.2 115.8



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 44.715 ug/l

RT: 2.93 min Scan# 172

Delta R.T. 0.01 min

Lab File: VD064901.D

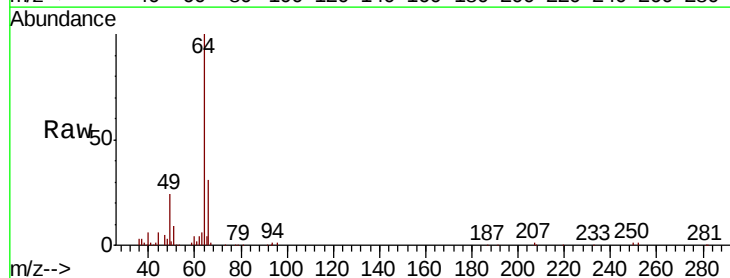
Acq: 21 Jan 2020 09:21

Tgt Ion: 64 Resp: 140648

Ion Ratio Lower Upper

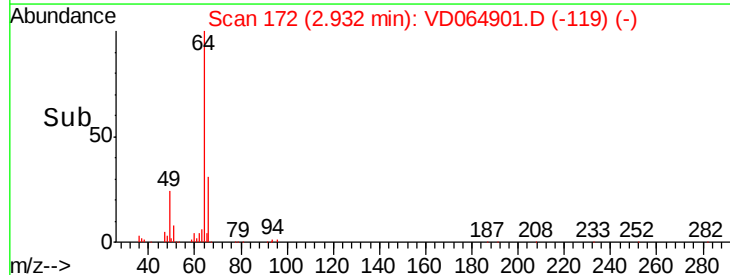
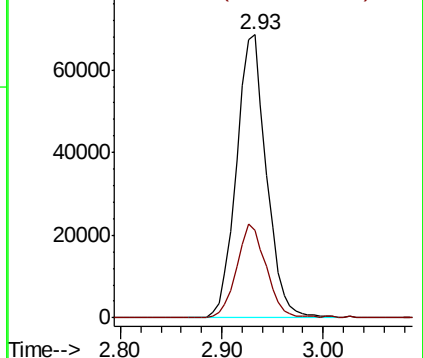
64 100

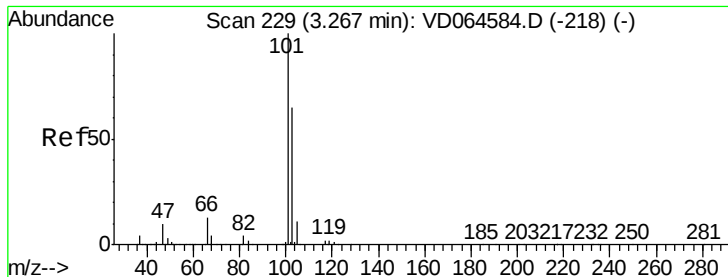
66 30.8 25.9 38.9



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC



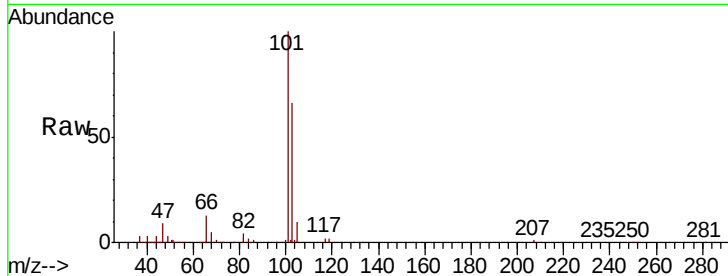


#7

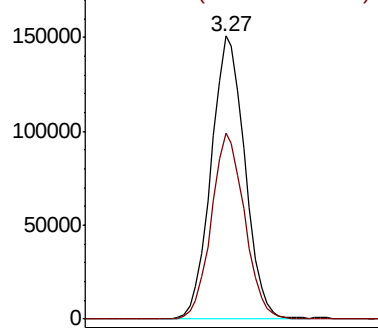
Trichlorofluoromethane
 Concen: 43.906 ug/l
 RT: 3.27 min Scan# 230
 Delta R.T. 0.01 min
 Lab File: VD064901.D
 Acq: 21 Jan 2020 09:21

Instrument :
 MSVOA_D
 ClientSampleId :

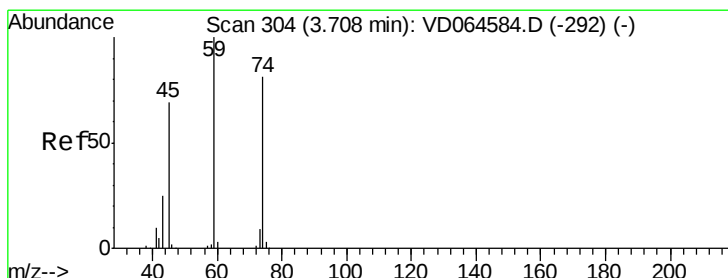
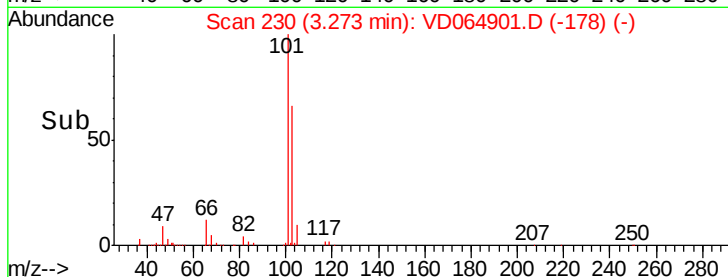
Tot Ion:101 Resp: 347040
 Ion Ratio Lower Upper
 101 100
 103 65.6 52.2 78.4



Abundance Ion 100.90 (100.60 to 101.60): V
 Ion 102.80 (102.50 to 103.50): V



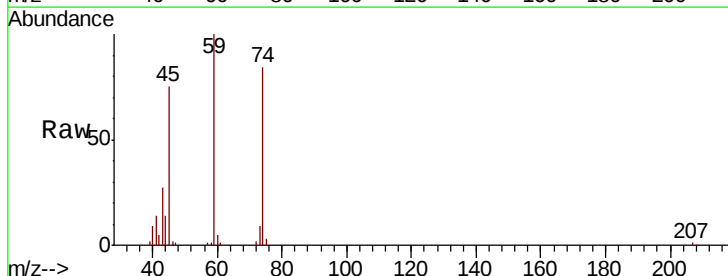
Time-->



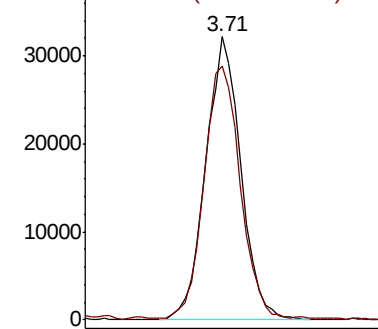
#8

Diethyl Ether
 Concen: 46.969 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. 0.00 min
 Lab File: VD064901.D
 Acq: 21 Jan 2020 09:21

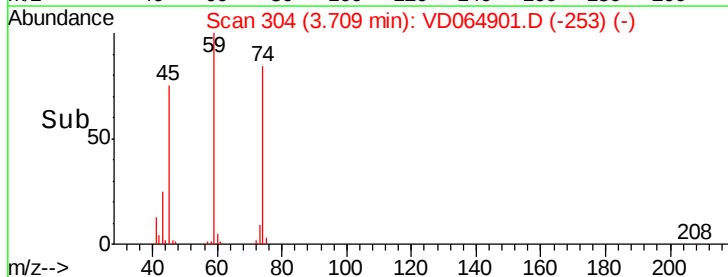
Tgt Ion: 74 Resp: 73723
 Ion Ratio Lower Upper
 74 100
 45 94.8 47.5 142.5



Abundance Ion 74.00 (73.70 to 74.70): VDC
 Ion 45.00 (44.70 to 45.70): VDC



Time-->





#9

1,1,2-Trichlorotrifluoroethane

Concen: 52.141 ug/l

RT: 4.09 min Scan# 369

Delta R.T. 0.01 min

Lab File: VD064901.D

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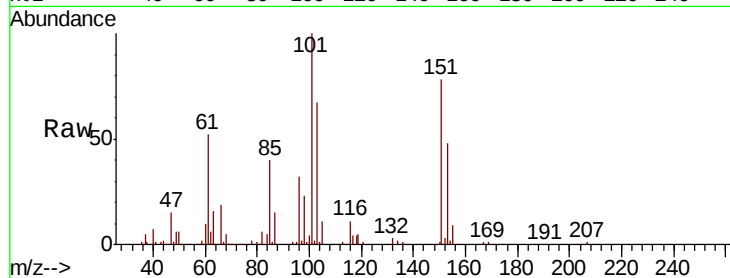
Tot Ion:101 Resp: 170681

Ion Ratio Lower Upper

101 100

85 44.4 35.2 52.8

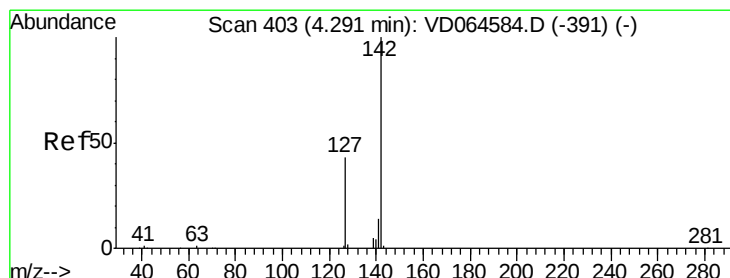
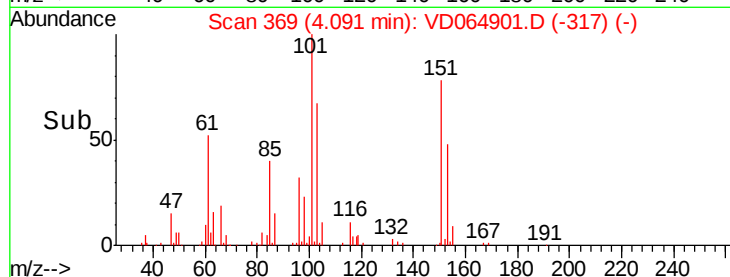
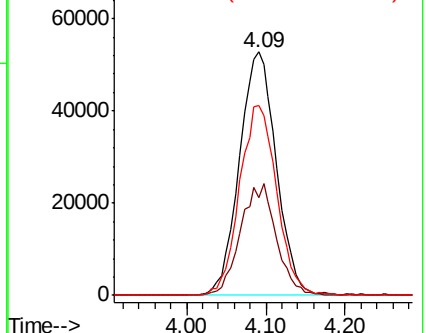
151 78.6 66.2 99.4



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 45.996 ug/l

RT: 4.30 min Scan# 404

Delta R.T. 0.01 min

Lab File: VD064901.D

Acq: 21 Jan 2020 09:21

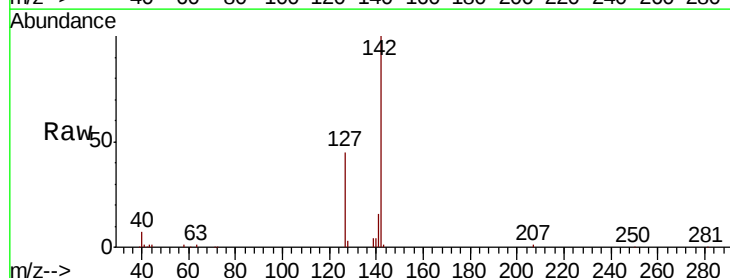
Tgt Ion:142 Resp: 161729

Ion Ratio Lower Upper

142 100

127 45.9 36.2 54.4

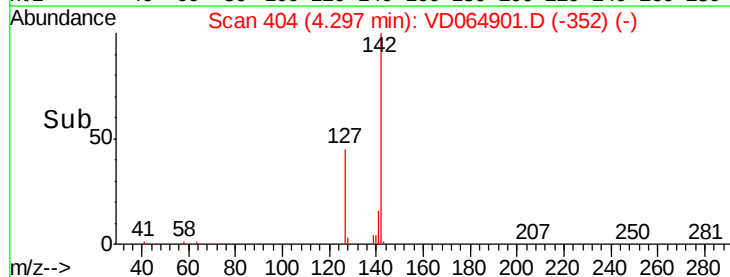
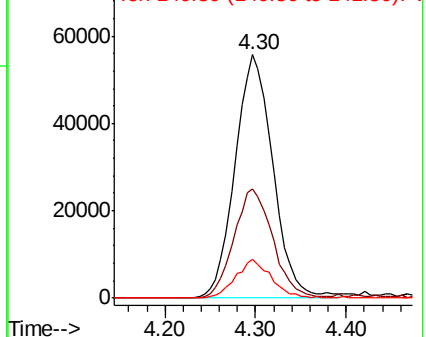
141 14.7 11.8 17.8

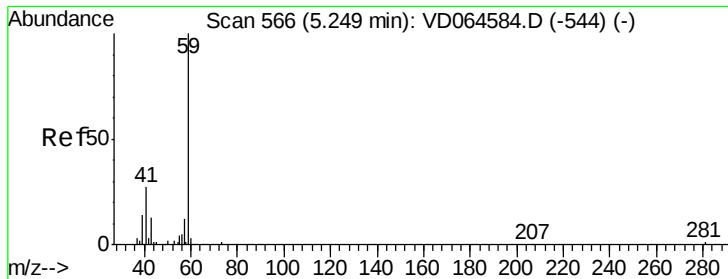


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

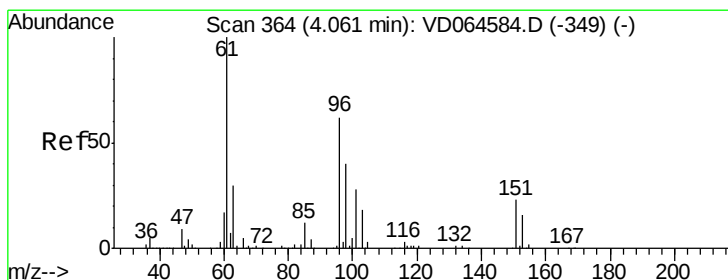
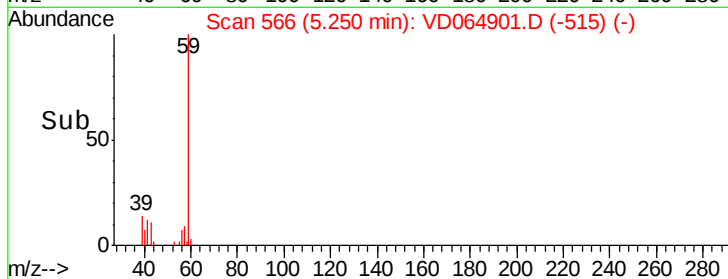
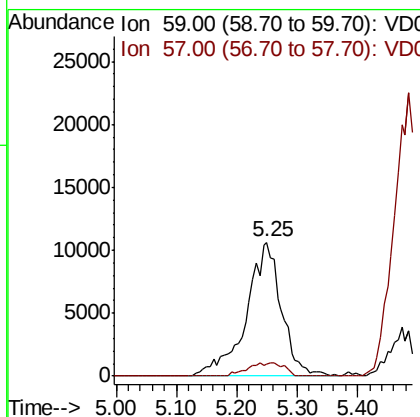
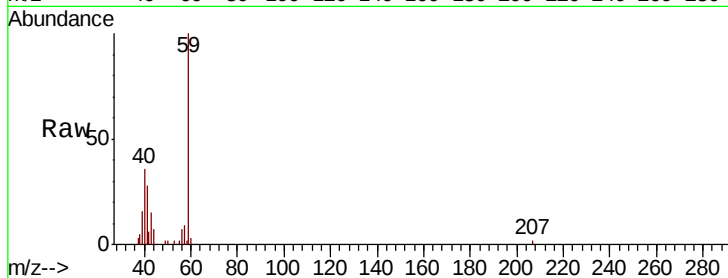




#11
Tert butyl alcohol
Concen: 239.770 ug/l
RT: 5.25 min Scan# 566
Delta R.T. 0.00 min
Lab File: VD064901.D
Acq: 21 Jan 2020 09:21

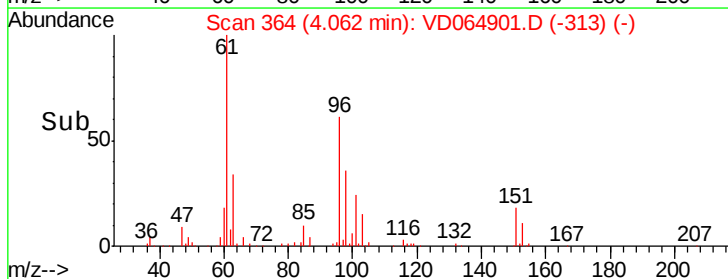
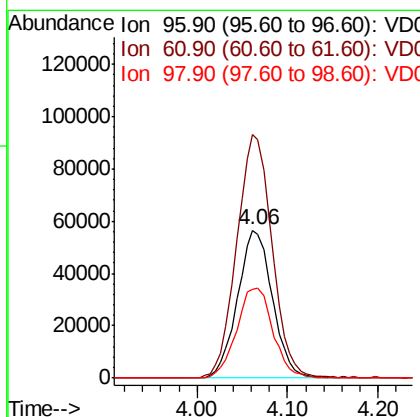
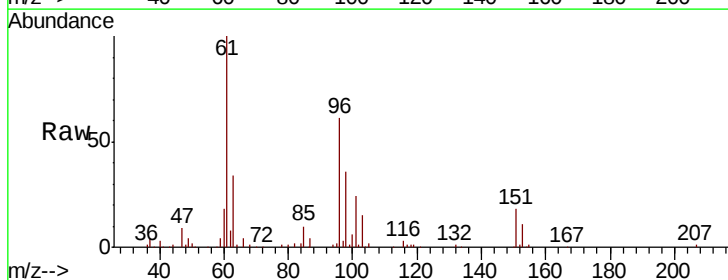
Instrument :
MSVOA_D
ClientSampleId :

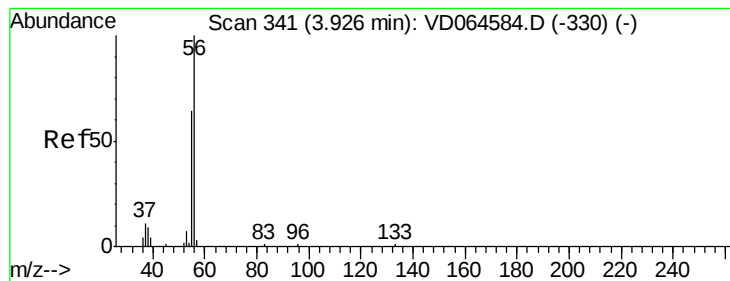
Tot Ion: 59 Resp: 42922
Ion Ratio Lower Upper
59 100
57 5.1 9.3 13.9#



#12
1,1-Dichloroethene
Concen: 48.541 ug/l
RT: 4.06 min Scan# 364
Delta R.T. 0.00 min
Lab File: VD064901.D
Acq: 21 Jan 2020 09:21

Tgt Ion: 96 Resp: 151277
Ion Ratio Lower Upper
96 100
61 164.5 129.4 194.0
98 59.7 51.4 77.0





#13

Acrolein

Concen: 125.416 ug/l

RT: 3.93 min Scan# 341

Delta R.T. 0.00 min

Lab File: VD064901.D

Acq: 21 Jan 2020 09:21

Instrument :

MSVOA_D

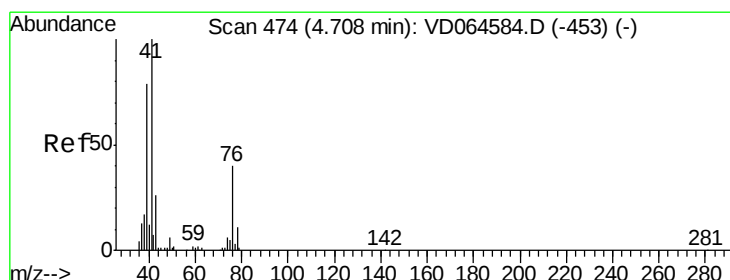
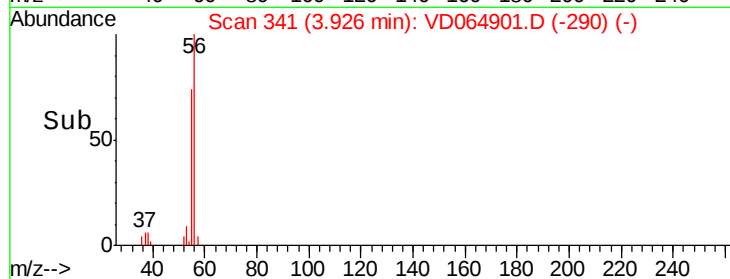
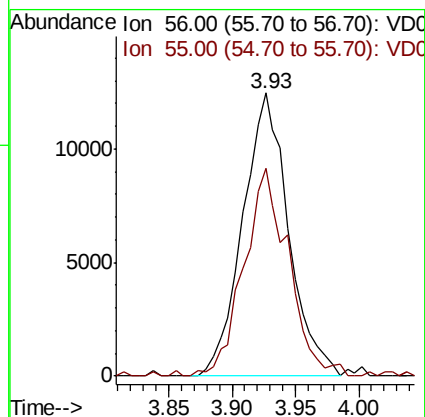
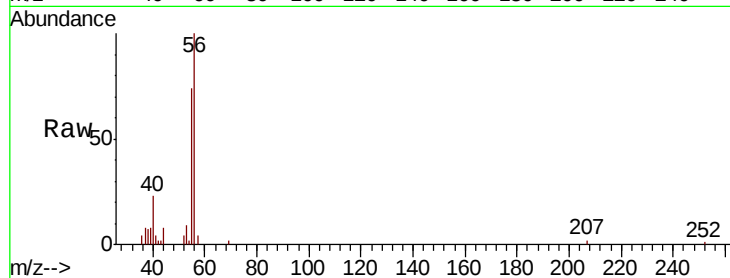
ClientSampleId :

Tot Ion: 56 Resp: 31289

Ion Ratio Lower Upper

56 100

55 71.7 56.7 85.1



#14

Allyl chloride

Concen: 50.040 ug/l

RT: 4.71 min Scan# 475

Delta R.T. 0.01 min

Lab File: VD064901.D

Acq: 21 Jan 2020 09:21

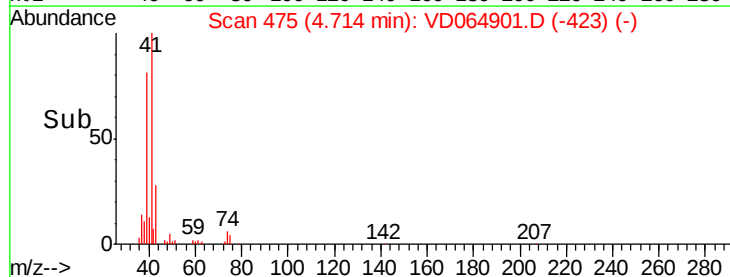
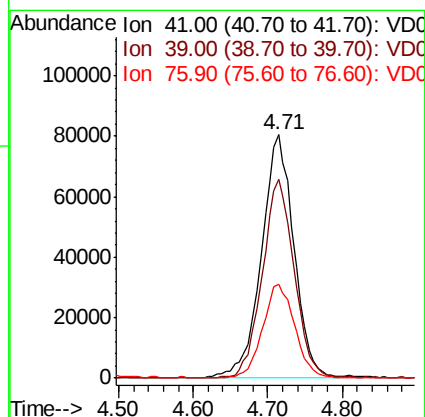
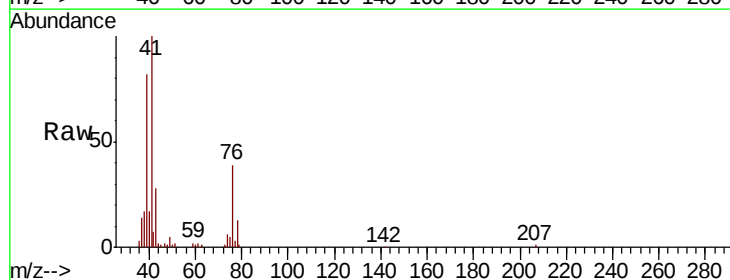
Tgt Ion: 41 Resp: 243145

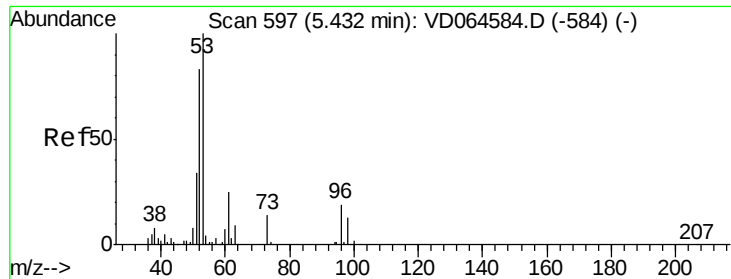
Ion Ratio Lower Upper

41 100

39 80.5 62.3 93.5

76 38.4 29.7 44.5





#15

Acrylonitrile

Concen: 239.969 ug/l

RT: 5.43 min Scan# 597

Delta R.T. 0.00 min

Lab File: VD064901.D

Acq: 21 Jan 2020 09:21

Instrument :

MSVOA_D

ClientSampleId :

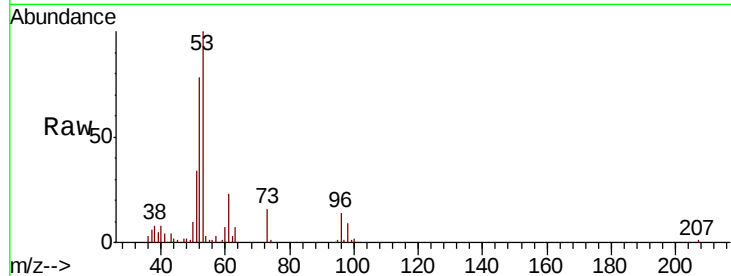
Tot Ion: 53 Resp: 156889

Ion Ratio Lower Upper

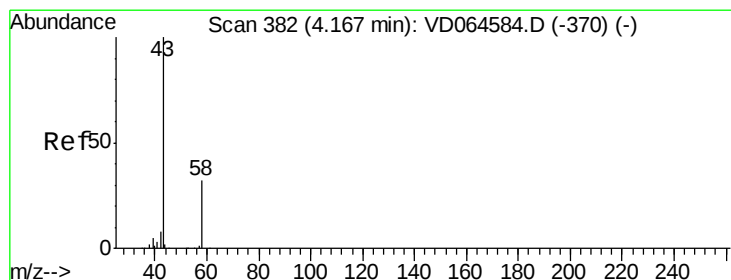
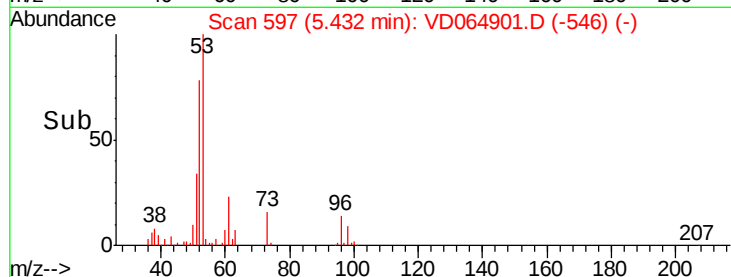
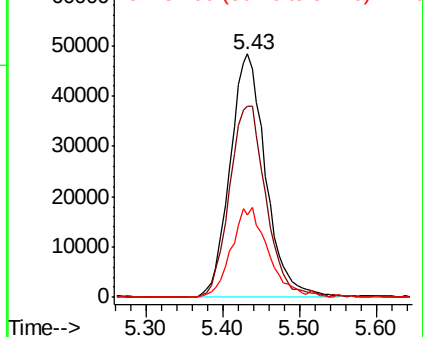
53 100

52 80.3 66.2 99.2

51 37.5 30.1 45.1



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



#16

Acetone

Concen: 298.530 ug/l

RT: 4.17 min Scan# 382

Delta R.T. 0.00 min

Lab File: VD064901.D

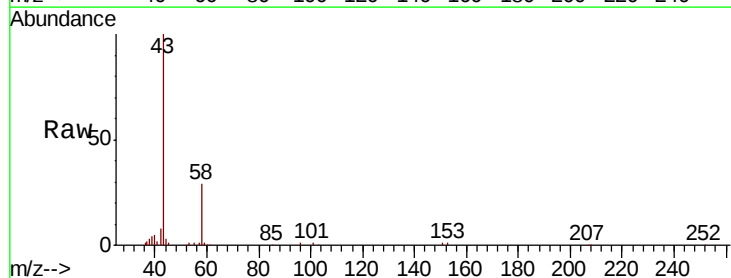
Acq: 21 Jan 2020 09:21

Tgt Ion: 43 Resp: 192179

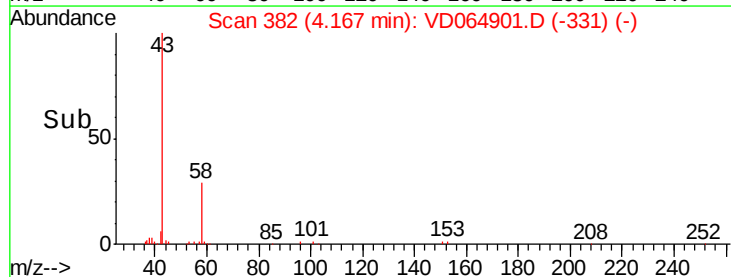
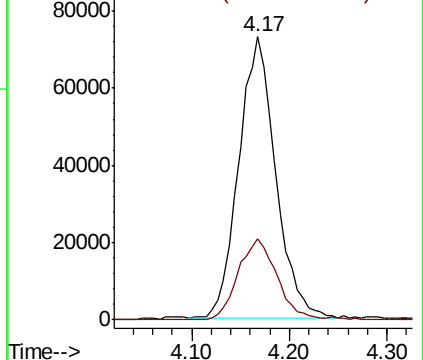
Ion Ratio Lower Upper

43 100

58 28.5 25.8 38.6



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

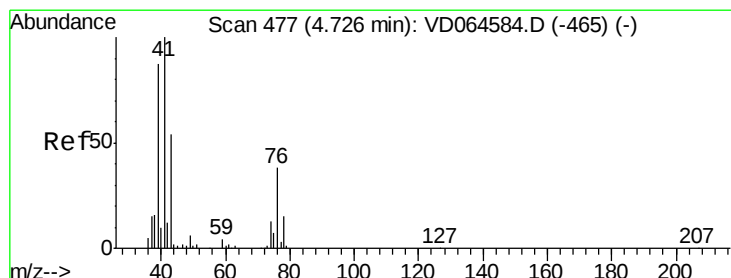
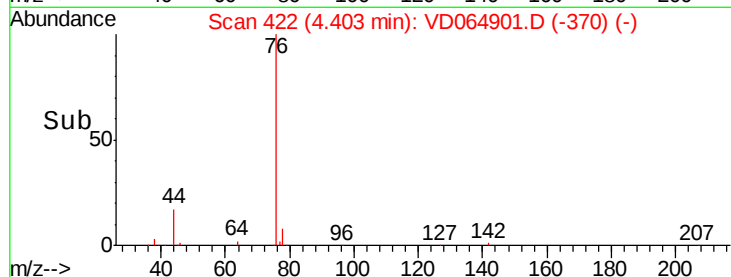
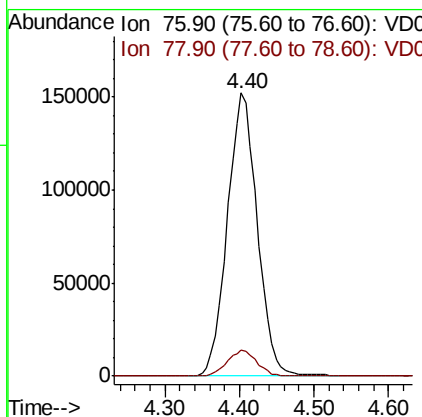
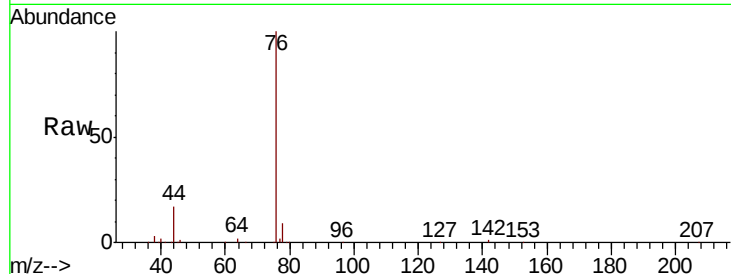




#17
Carbon Disulfide
Concen: 42.012 ug/l
RT: 4.40 min Scan# 422
Delta R.T. 0.01 min
Lab File: VD064901.D
Acq: 21 Jan 2020 09:21

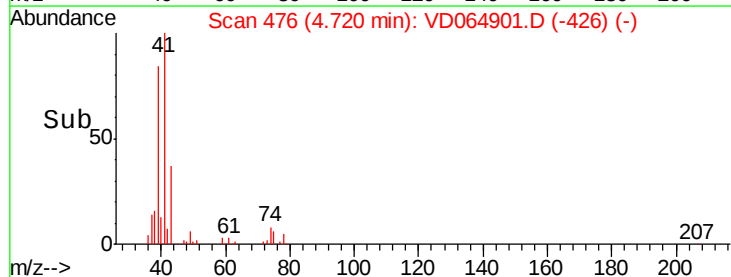
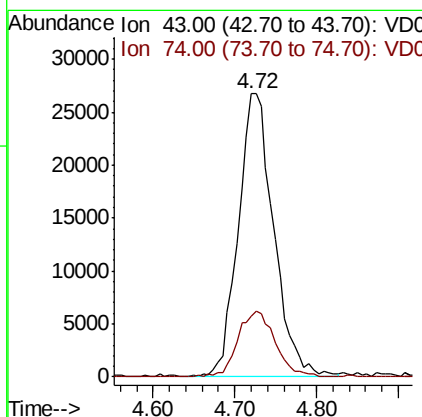
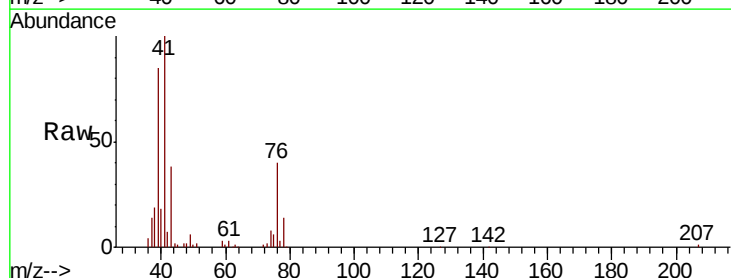
Instrument :
MSVOA_D
ClientSampleId :

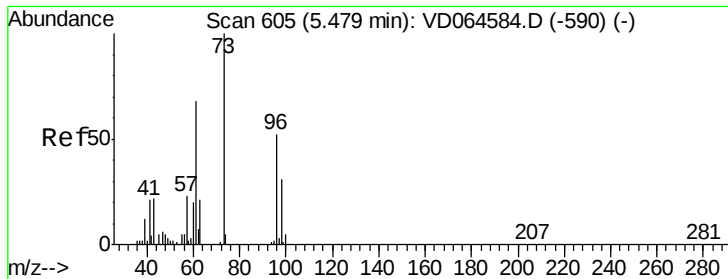
Tot Ion: 76 Resp: 423358
Ion Ratio Lower Upper
76 100
78 9.2 7.3 10.9



#18
Methyl Acetate
Concen: 46.013 ug/l
RT: 4.72 min Scan# 476
Delta R.T. -0.01 min
Lab File: VD064901.D
Acq: 21 Jan 2020 09:21

Tgt Ion: 43 Resp: 80915
Ion Ratio Lower Upper
43 100
74 24.3 19.2 28.8

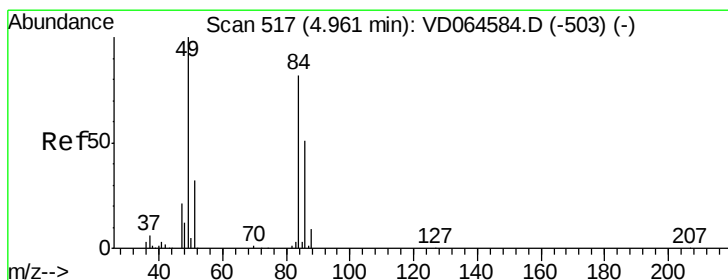
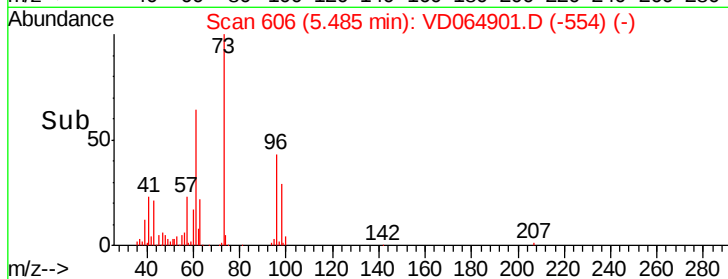
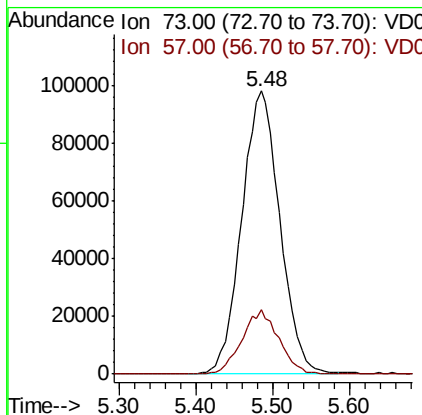
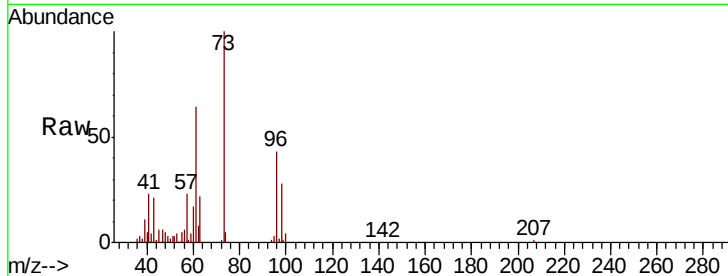




#19
Methvl tert-butvl Ether
Concen: 49.037 ug/l
RT: 5.48 min Scan# 606
Delta R.T. 0.01 min
Lab File: VD064901.D
Acq: 21 Jan 2020 09:21

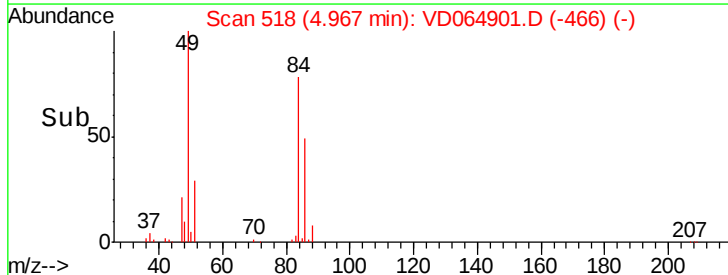
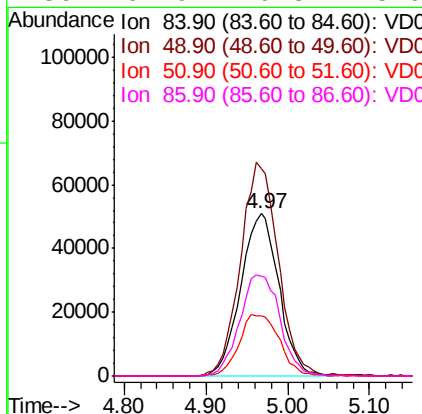
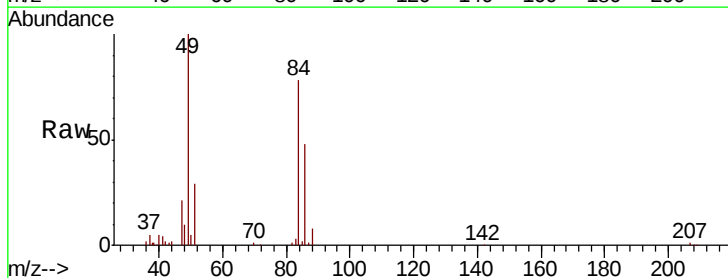
Instrument :
MSVOA_D
ClientSampled :

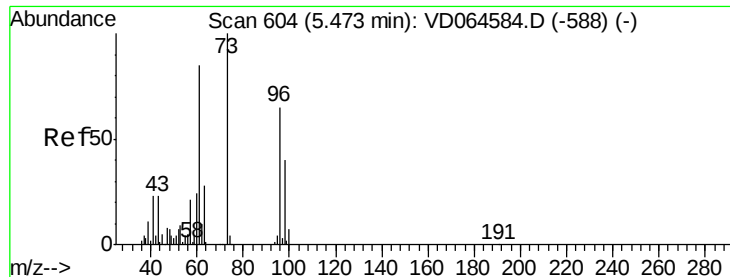
Tot Ion: 73 Resp: 339442
Ion Ratio Lower Upper
73 100
57 23.0 18.6 27.8



#20
Methylene Chloride
Concen: 52.029 ug/l
RT: 4.97 min Scan# 518
Delta R.T. 0.01 min
Lab File: VD064901.D
Acq: 21 Jan 2020 09:21

Tgt Ion: 84 Resp: 165576
Ion Ratio Lower Upper
84 100
49 127.9 97.2 145.8
51 37.5 31.4 47.0
86 61.9 49.3 73.9





#21

trans-1,2-Dichloroethene

Concen: 49.204 ug/l

RT: 5.47 min Scan# 604

Delta R.T. 0.00 min

Lab File: VD064901.D

Acq: 21 Jan 2020 09:21

Instrument :
MSVOA_D
ClientSampled :

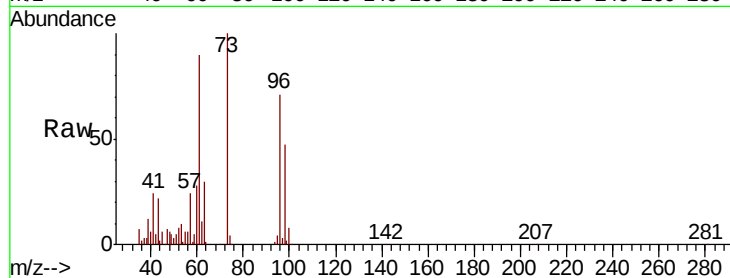
Tot Ion: 96 Resp: 174636

Ion Ratio Lower Upper

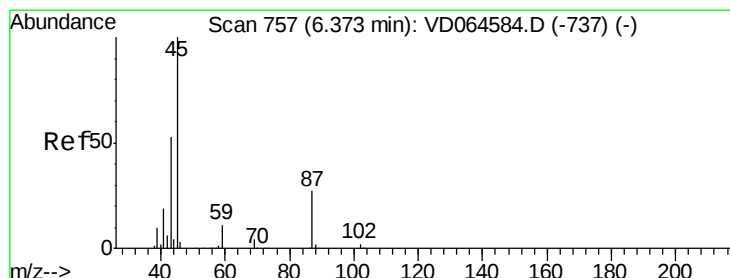
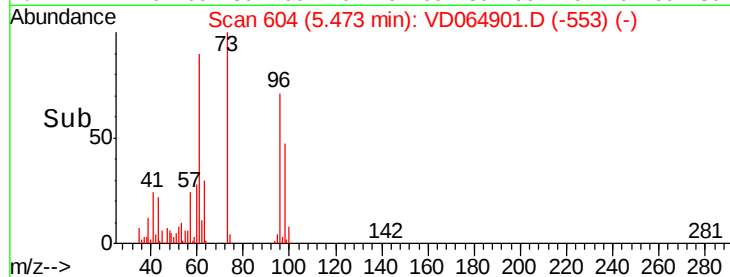
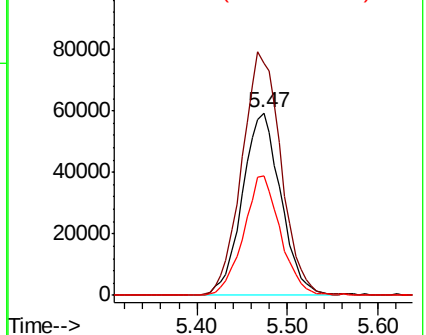
96 100

61 126.8 104.7 157.1

98 65.8 49.4 74.2



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



#22

Diisopropyl ether

Concen: 53.294 ug/l

RT: 6.37 min Scan# 757

Delta R.T. 0.00 min

Lab File: VD064901.D

Acq: 21 Jan 2020 09:21

Tgt Ion: 45 Resp: 516509

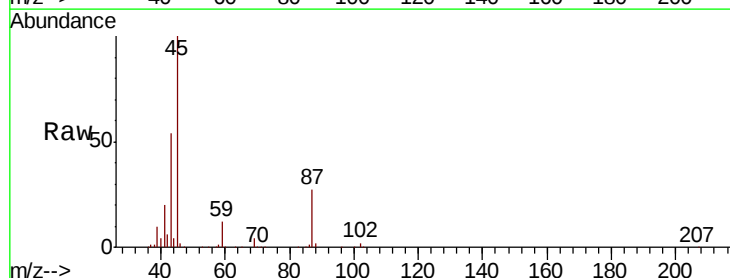
Ion Ratio Lower Upper

45 100

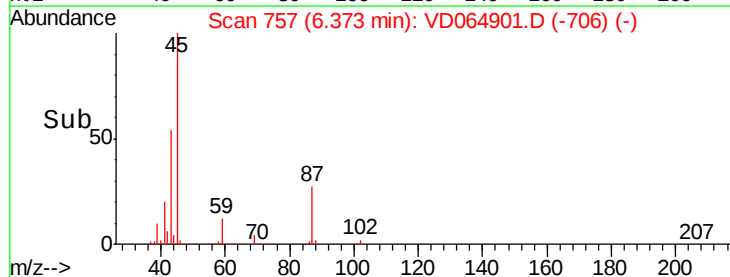
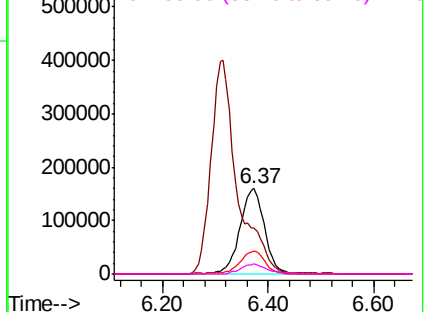
43 54.1 43.2 64.8

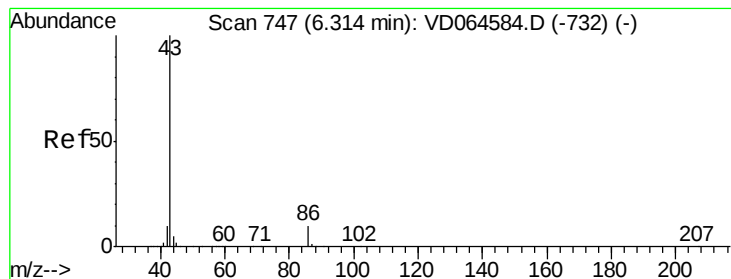
87 27.4 21.9 32.9

59 11.8 9.0 13.4



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





#23

Vinyl Acetate

Concen: 251.272 ug/l

RT: 6.31 min Scan# 747

Delta R.T. 0.00 min

Lab File: VD064901.D

Acq: 21 Jan 2020 09:21

Instrument :

MSVOA_D

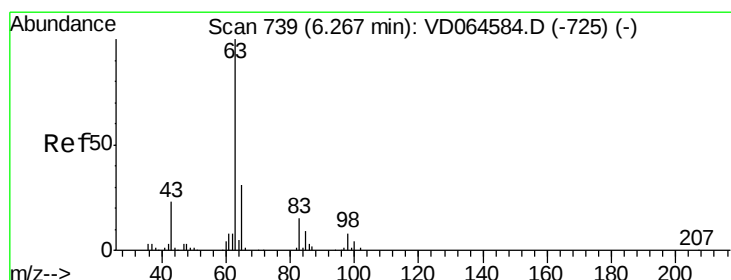
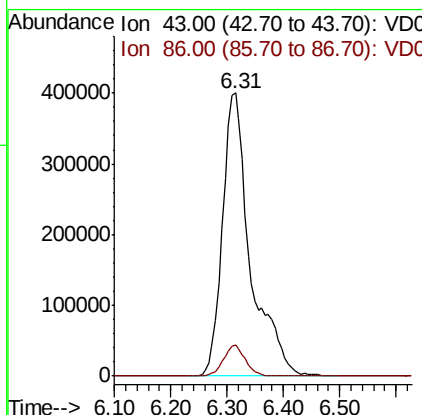
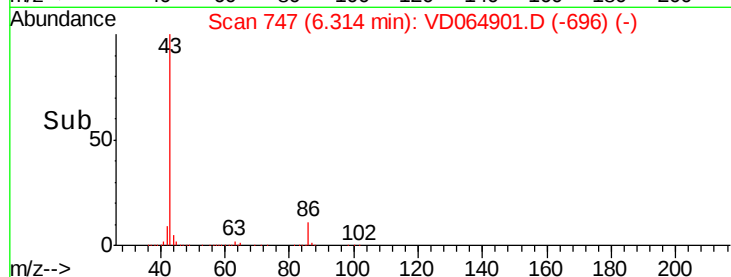
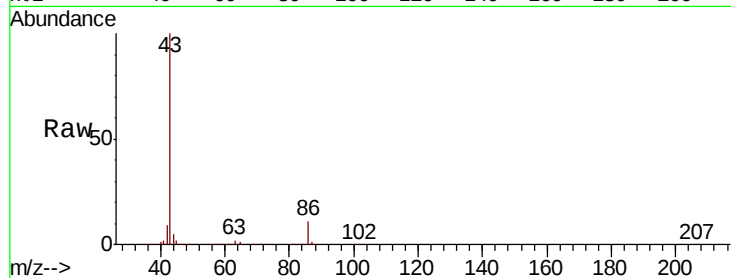
ClientSampled :

Tot Ion: 43 Resp: 1381418

Ion Ratio Lower Upper

43 100

86 10.9 8.3 12.5



#24

1,1-Dichloroethane

Concen: 54.342 ug/l

RT: 6.26 min Scan# 738

Delta R.T. -0.01 min

Lab File: VD064901.D

Acq: 21 Jan 2020 09:21

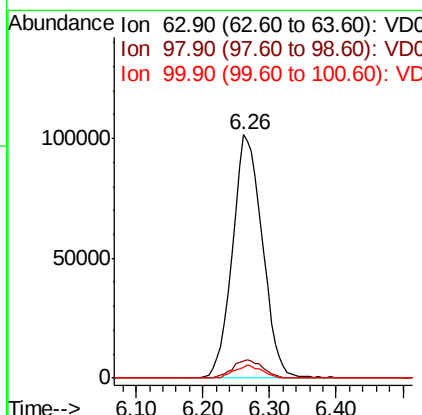
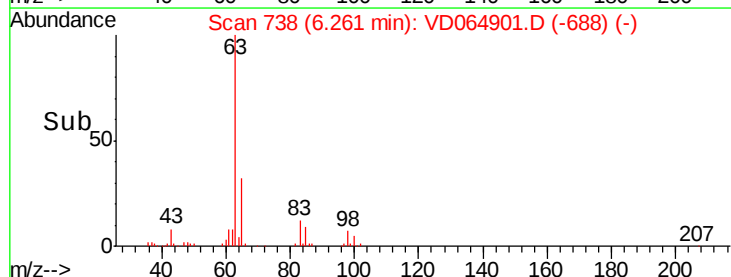
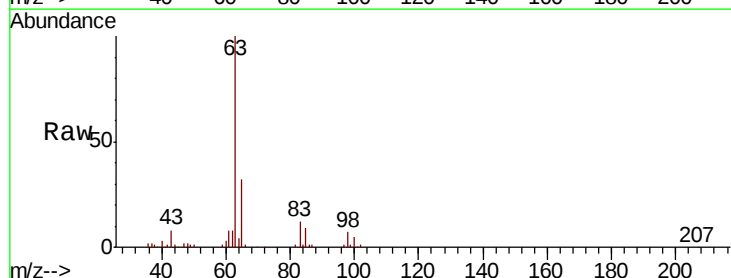
Tgt Ion: 63 Resp: 316173

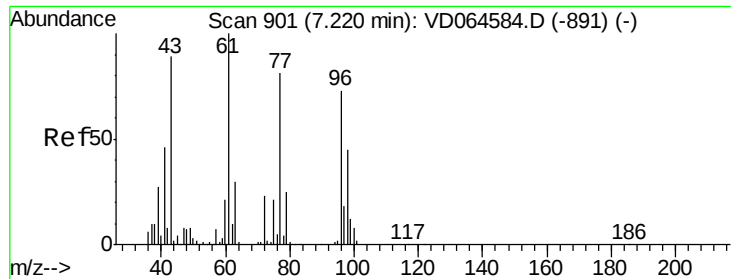
Ion Ratio Lower Upper

63 100

98 6.9 4.1 12.3

100 4.5 2.2 6.6





#25

2-Butanone

Concen: 259.235 ug/l

RT: 7.23 min Scan# 902

Delta R.T. 0.01 min

Lab File: VD064901.D

Acq: 21 Jan 2020 09:21

Instrument :

MSVOA_D

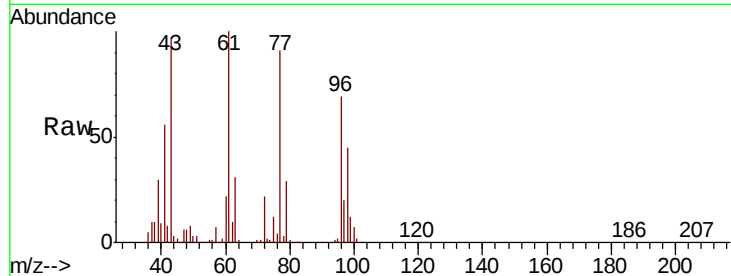
ClientSampled :

Tot Ion: 43 Resp: 222578

Ion Ratio Lower Upper

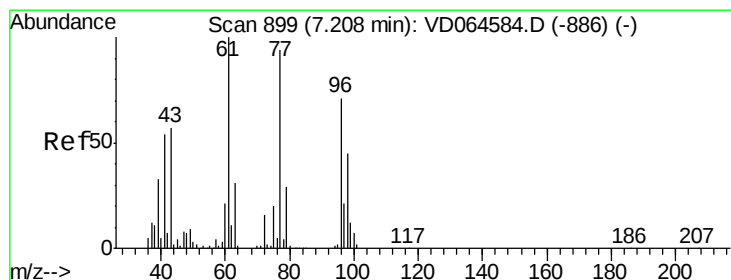
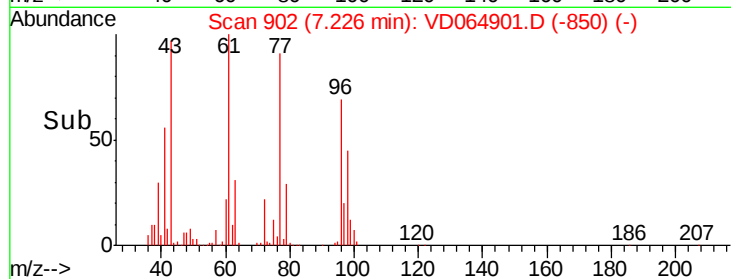
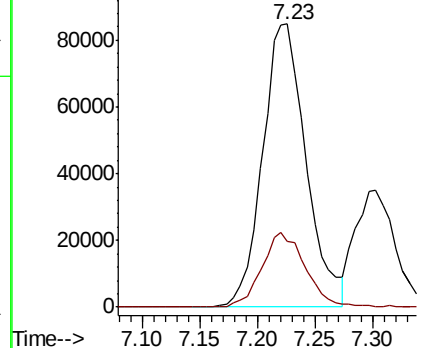
43 100

72 23.1 20.7 31.1



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 54.187 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.01 min

Lab File: VD064901.D

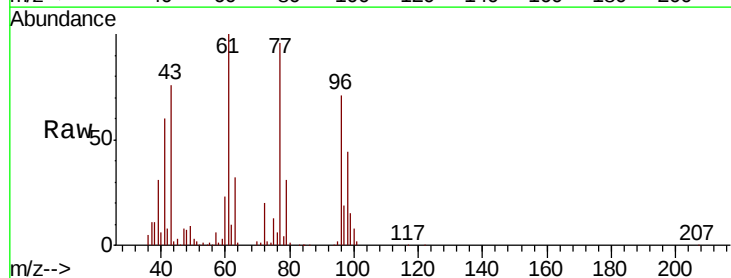
Acq: 21 Jan 2020 09:21

Tgt Ion: 77 Resp: 293126

Ion Ratio Lower Upper

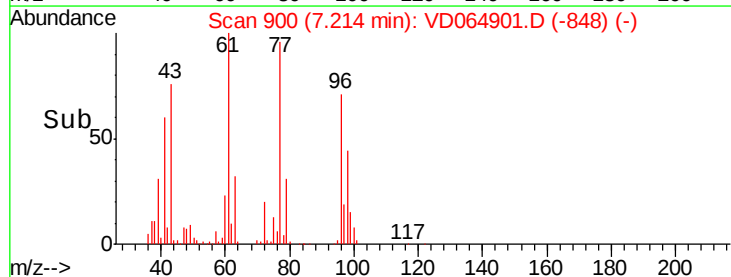
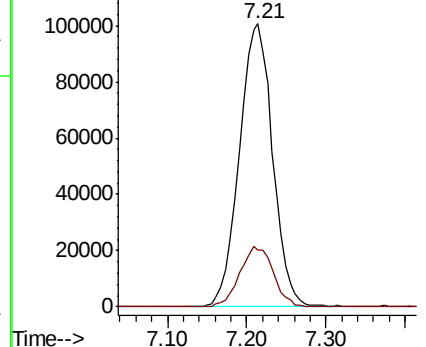
77 100

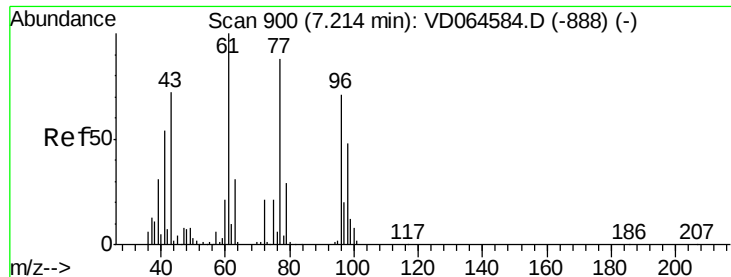
97 21.5 11.2 33.6



Abundance Ion 76.90 (76.60 to 77.60): VDC

Ion 96.90 (96.60 to 97.60): VDC



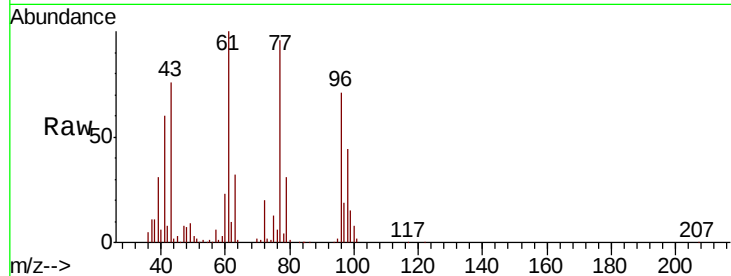


#27

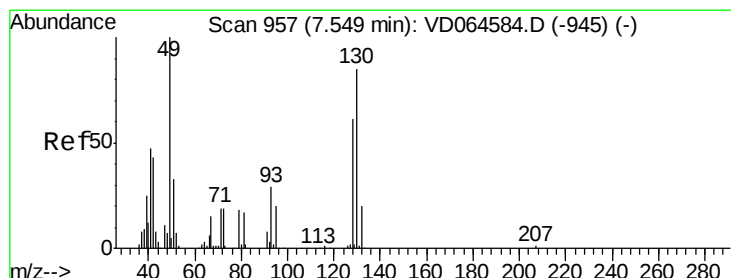
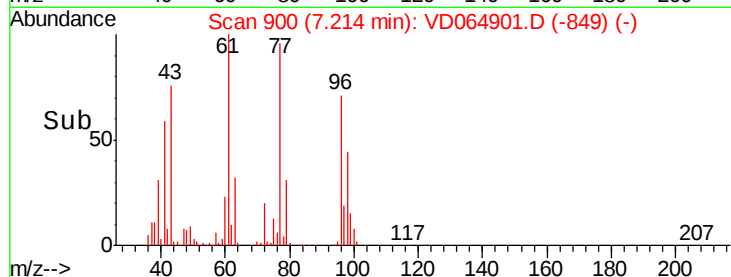
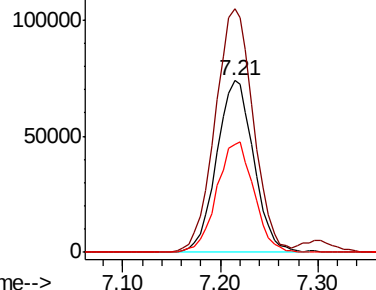
cis-1,2-Dichloroethene
 Concen: 51.425 ug/l
 RT: 7.21 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: VD064901.D
 Acq: 21 Jan 2020 09:21

Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion	96	Resp	196979
Ion	Ratio	Lower	Upper
96	100		
61	146.0	0.0	282.6
98	64.2	0.0	130.8



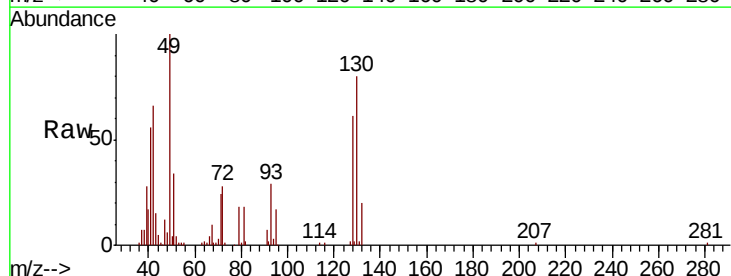
Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.90 (60.60 to 61.60): VDC
 Ion 97.90 (97.60 to 98.60): VDC



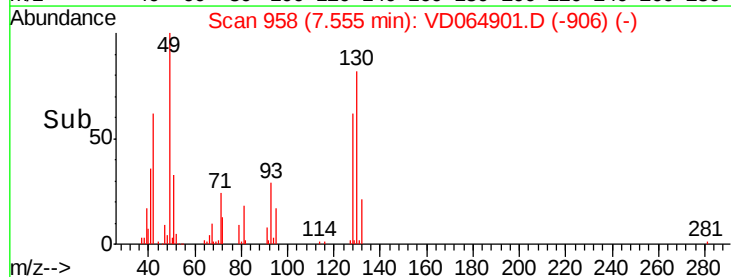
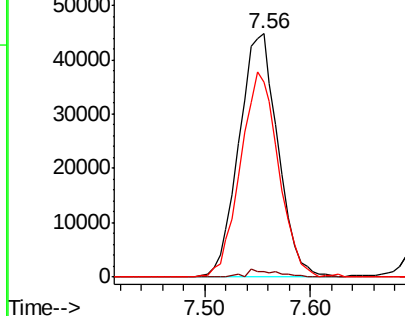
#28

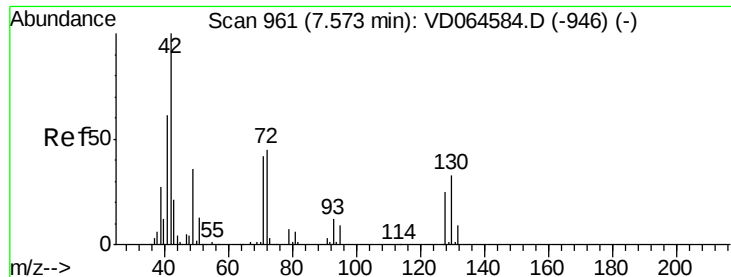
Bromochloromethane
 Concen: 50.791 ug/l
 RT: 7.56 min Scan# 958
 Delta R.T. 0.01 min
 Lab File: VD064901.D
 Acq: 21 Jan 2020 09:21

Tgt Ion	49	Resp	114874
Ion	Ratio	Lower	Upper
49	100		
129	2.3	0.0	4.8
130	82.4	65.0	97.6



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

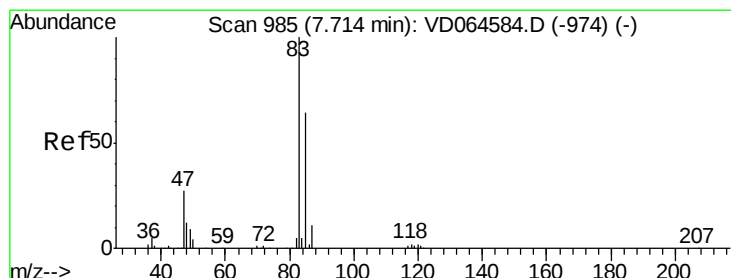
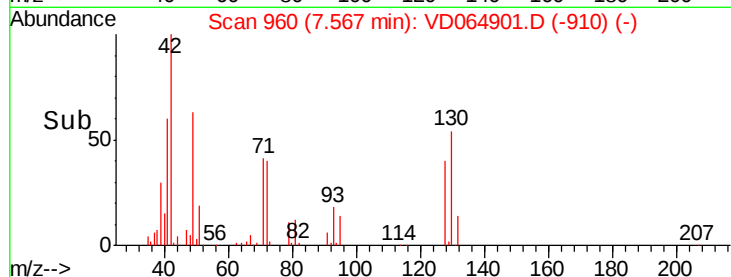
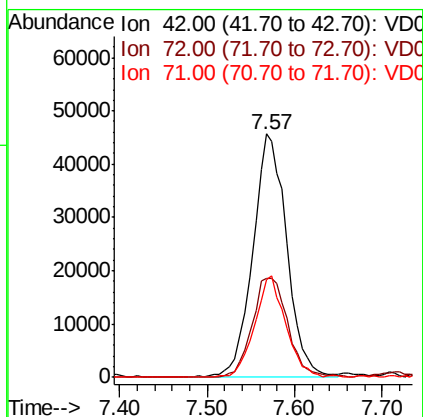
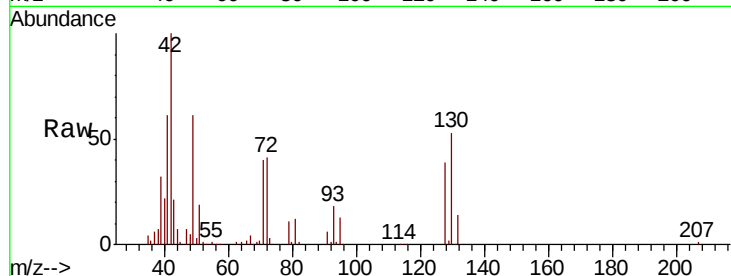




#29
Tetrahydrofuran
Concen: 227.273 ug/l
RT: 7.57 min Scan# 960
Delta R.T. -0.01 min
Lab File: VD064901.D
Acq: 21 Jan 2020 09:21

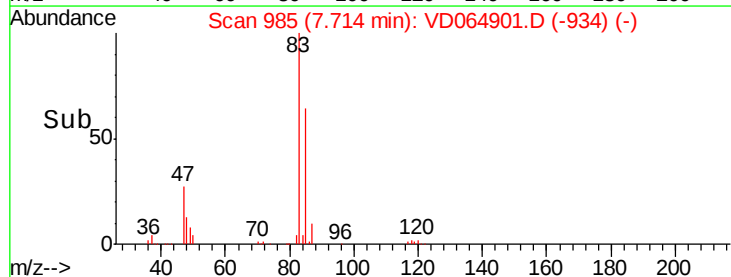
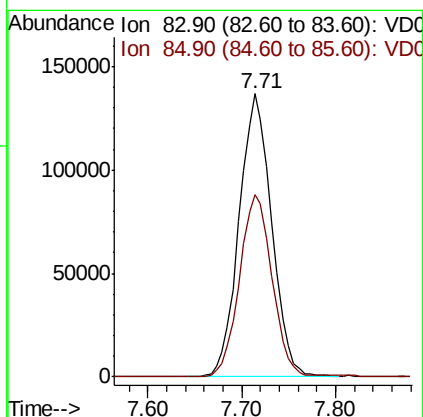
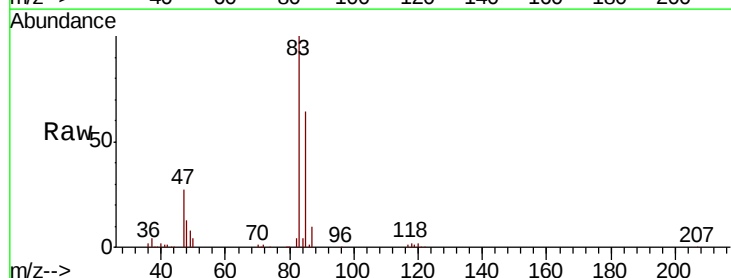
Instrument :
MSVOA_D
ClientSampleId :

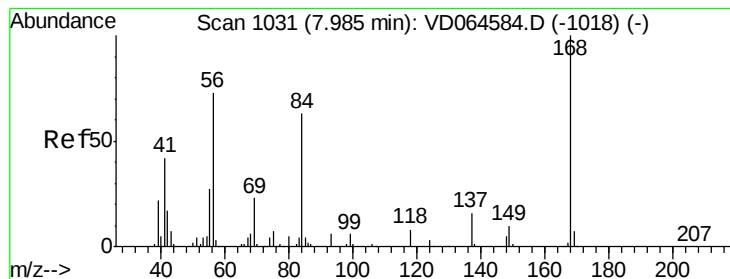
Tot Ion: 42 Resp: 121350
Ion Ratio Lower Upper
42 100
72 43.0 35.0 52.4
71 38.0 32.9 49.3



#30
Chloroform
Concen: 53.721 ug/l
RT: 7.71 min Scan# 985
Delta R.T. 0.00 min
Lab File: VD064901.D
Acq: 21 Jan 2020 09:21

Tgt Ion: 83 Resp: 327928
Ion Ratio Lower Upper
83 100
85 64.3 51.1 76.7





#31

Cyclohexane

Concen: 46.826 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD064901.D

Acq: 21 Jan 2020 09:21

Instrument :
MSVOA_D
ClientSampled :

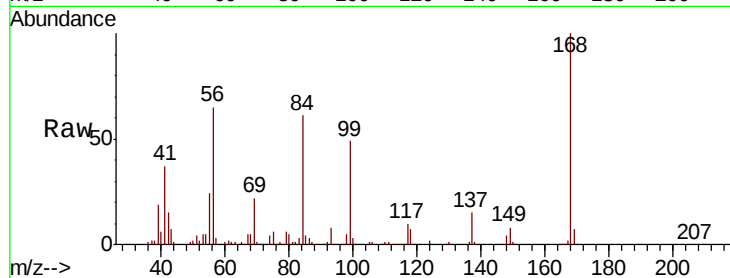
Tot Ion: 56 Resp: 272716

Ion Ratio Lower Upper

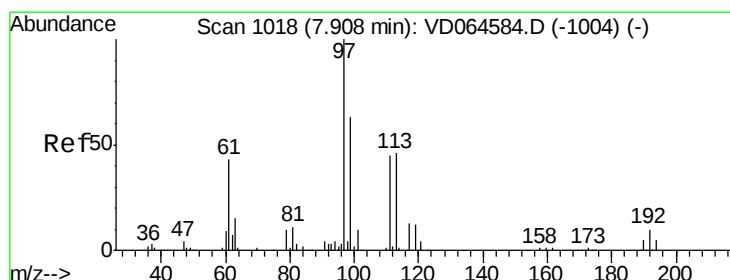
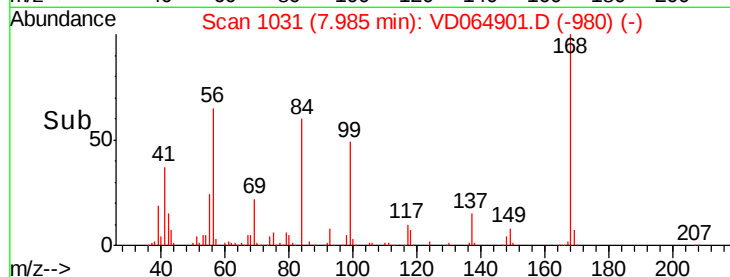
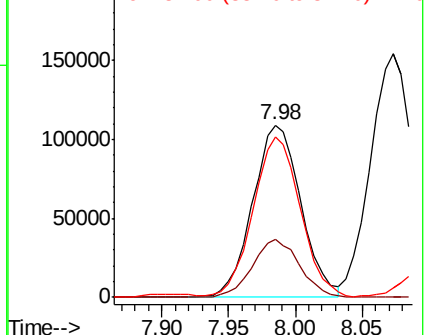
56 100

69 33.4 24.7 37.1

84 91.4 69.4 104.2



Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC



#32

1,1,1-Trichloroethane

Concen: 53.072 ug/l

RT: 7.90 min Scan# 1017

Delta R.T. -0.01 min

Lab File: VD064901.D

Acq: 21 Jan 2020 09:21

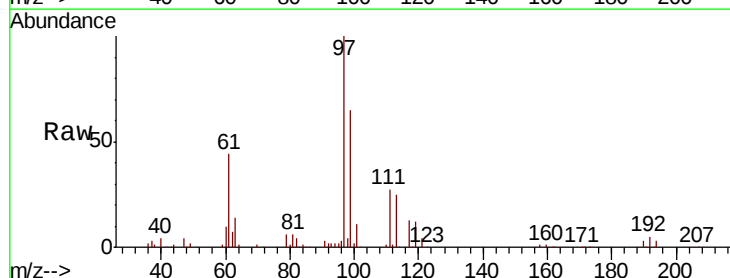
Tgt Ion: 97 Resp: 304290

Ion Ratio Lower Upper

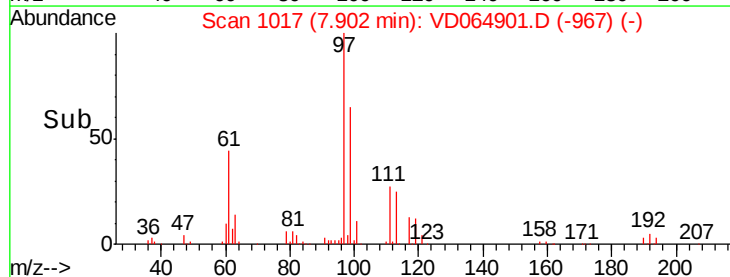
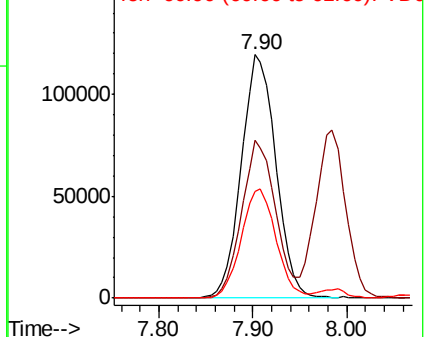
97 100

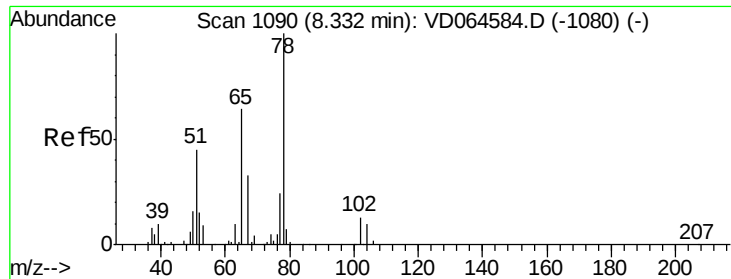
99 64.4 51.0 76.6

61 45.0 35.4 53.0



Abundance Ion 96.90 (96.60 to 97.60): VDC
Ion 98.90 (98.60 to 99.60): VDC
Ion 60.90 (60.60 to 61.60): VDC





#33

1,2-Dichloroethane-d4

Concen: 46.034 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. 0.01 min

Lab File: VD064901.D

Acq: 21 Jan 2020 09:21

Instrument :

MSVOA_D

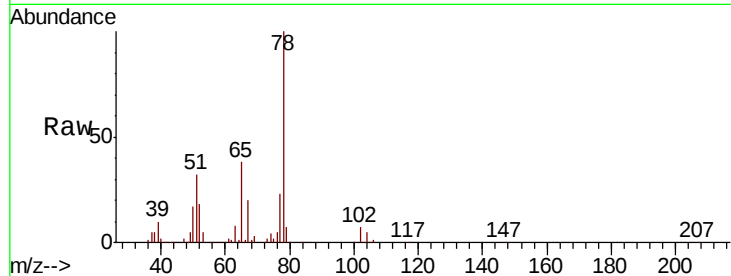
ClientSampleId :

Tot Ion: 65 Resp: 143791

Ion Ratio Lower Upper

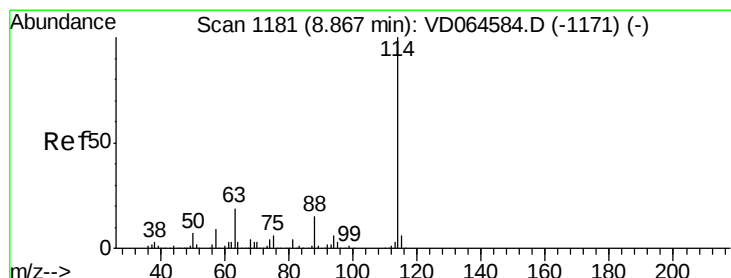
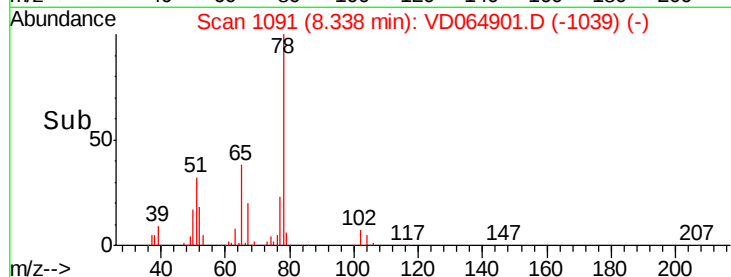
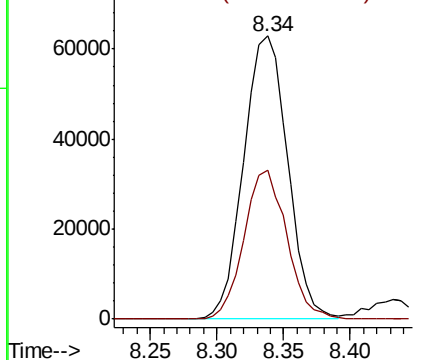
65 100

67 51.2 0.0 106.2



Abundance Ion 64.90 (64.60 to 65.60): V

Ion 66.90 (66.60 to 67.60): V



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. 0.00 min

Lab File: VD064901.D

Acq: 21 Jan 2020 09:21

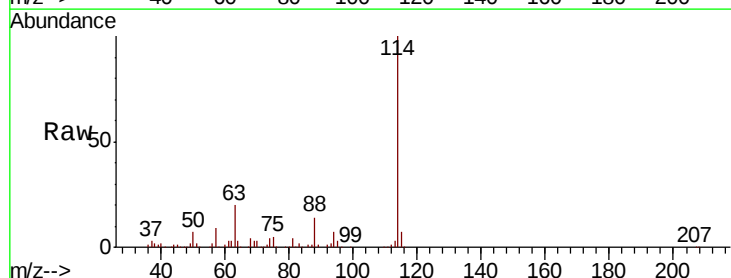
Tgt Ion: 114 Resp: 497278

Ion Ratio Lower Upper

114 100

63 19.6 0.0 38.0

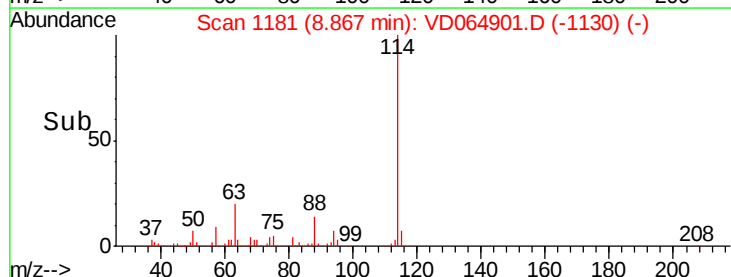
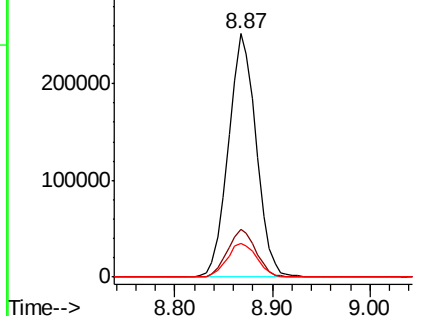
88 14.1 0.0 29.2

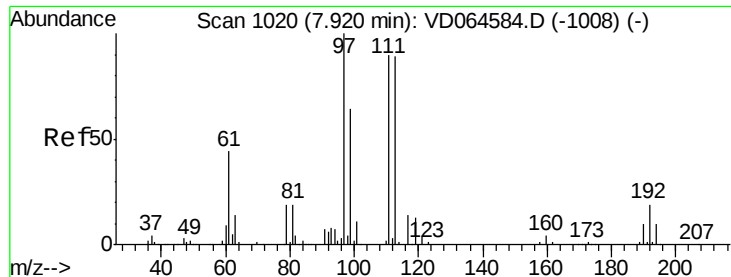


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): V

Ion 87.90 (87.60 to 88.60): V

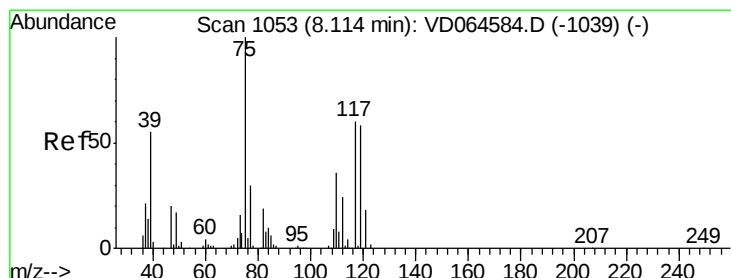
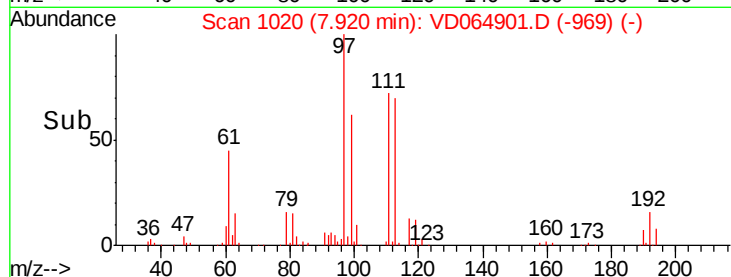
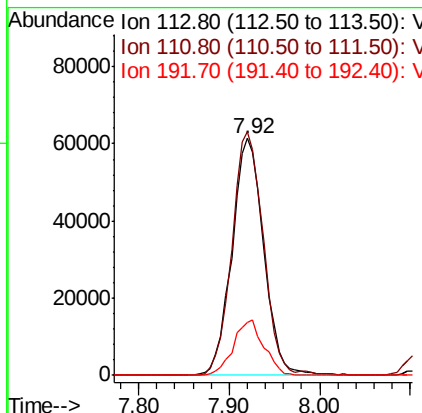
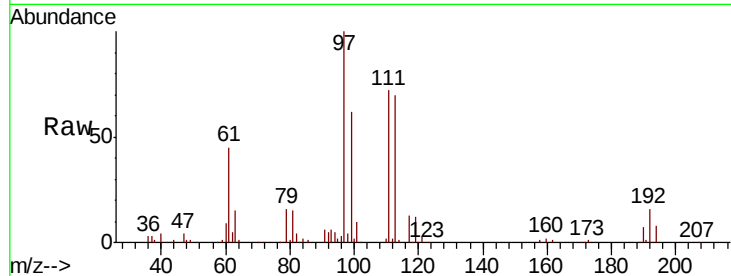




#35
 Dibromofluoromethane
 Concen: 48.904 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD064901.D
 Acq: 21 Jan 2020 09:21

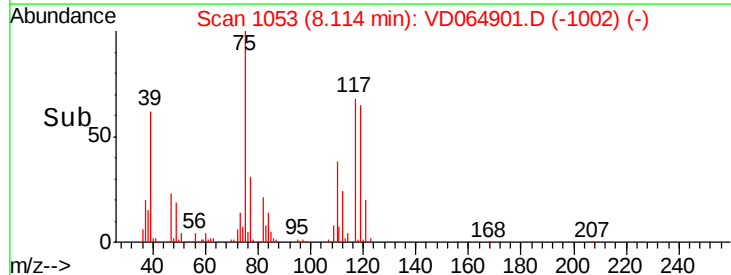
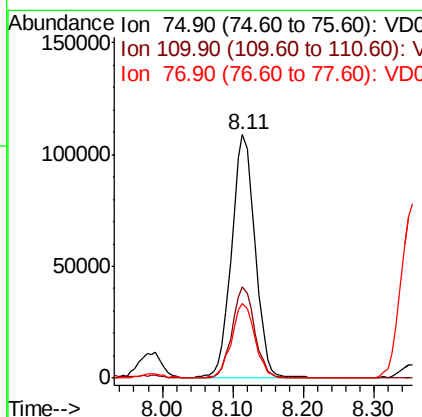
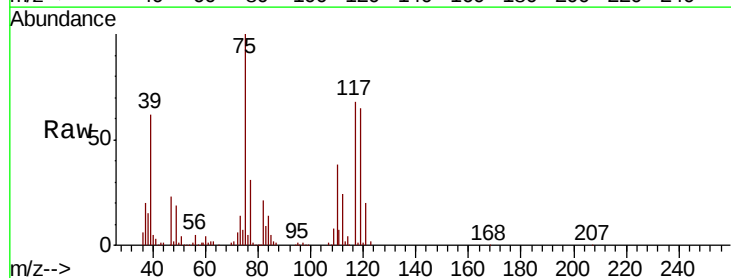
Instrument :
 MSVOA_D
 ClientSampleId :

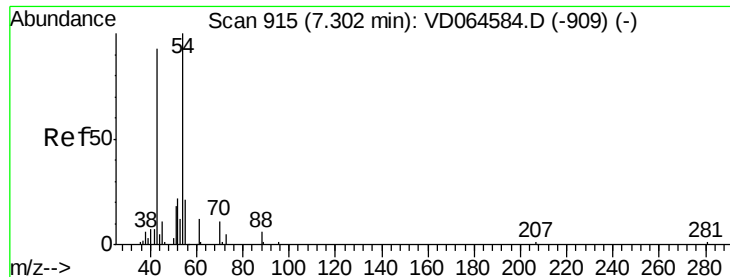
Tot Ion	Ratio	Lower	Upper
113	100		
111	101.8	80.6	121.0
192	22.3	17.9	26.9



#36
 1,1-Dichloropropene
 Concen: 52.696 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. 0.00 min
 Lab File: VD064901.D
 Acq: 21 Jan 2020 09:21

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.1	18.1	54.1
77	30.5	24.2	36.4

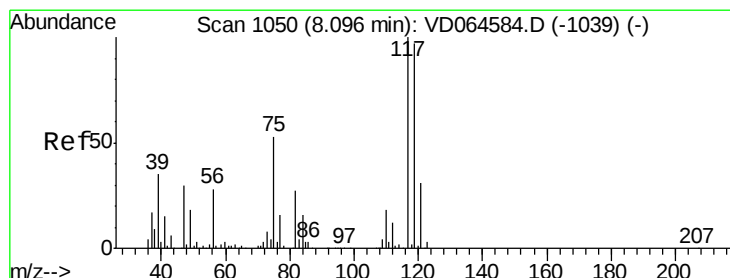
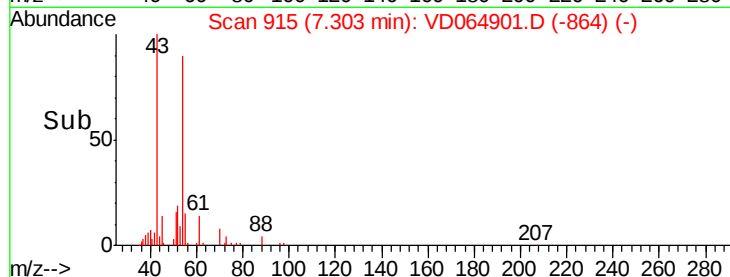
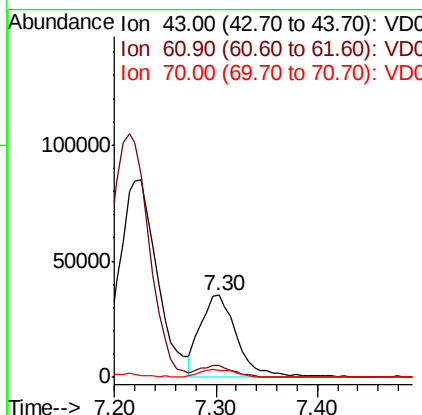
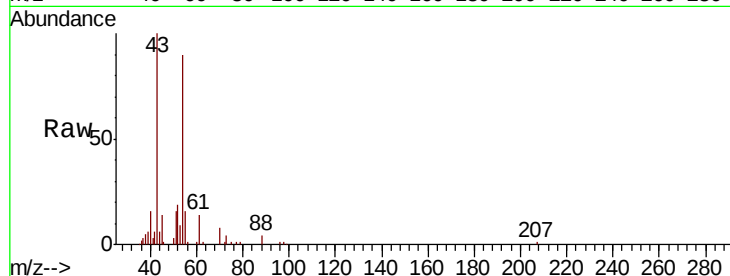




#37
Ethyl Acetate
Concen: 46.279 ug/l
RT: 7.30 min Scan# 915
Delta R.T. 0.00 min
Lab File: VD064901.D
Acq: 21 Jan 2020 09:21

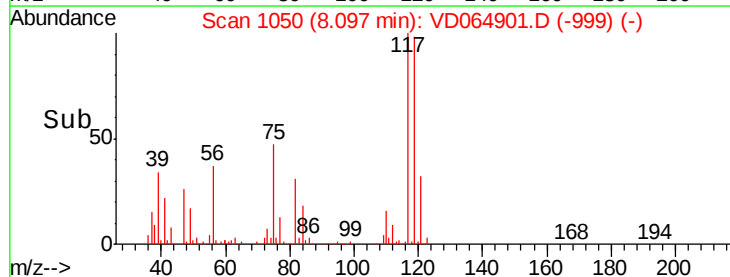
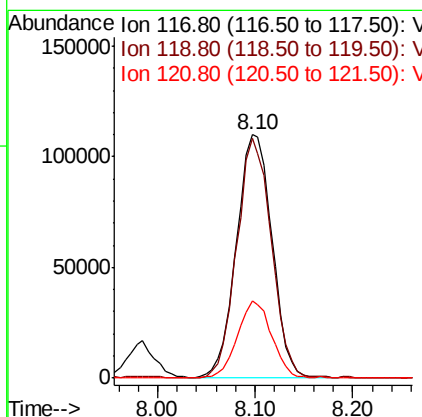
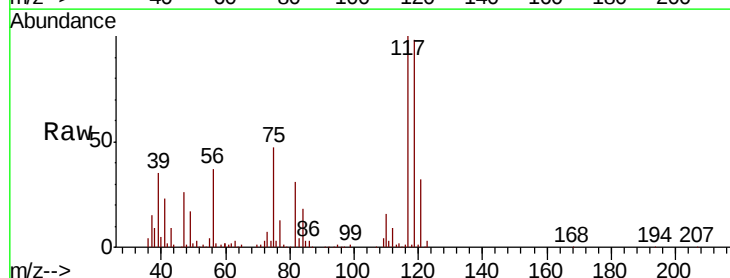
Instrument :
MSVOA_D
ClientSampleID :

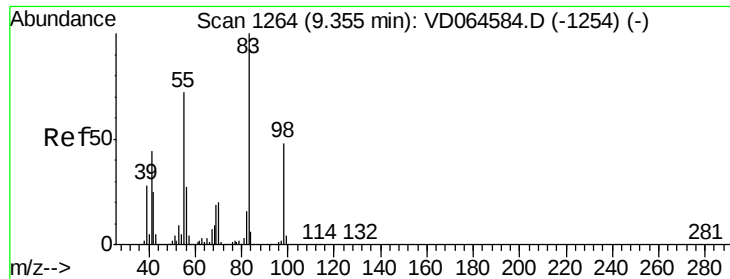
Tot Ion: 43 Resp: 87018
Ion Ratio Lower Upper
43 100
61 14.6 10.3 15.5
70 10.2 7.6 11.4



#38
Carbon Tetrachloride
Concen: 54.667 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VD064901.D
Acq: 21 Jan 2020 09:21

Tgt Ion: 117 Resp: 278997
Ion Ratio Lower Upper
117 100
119 98.5 77.3 115.9
121 31.7 25.0 37.6

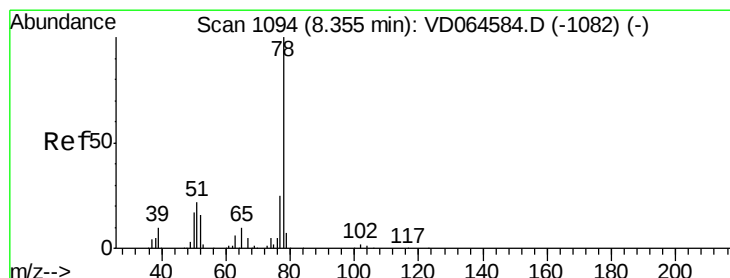
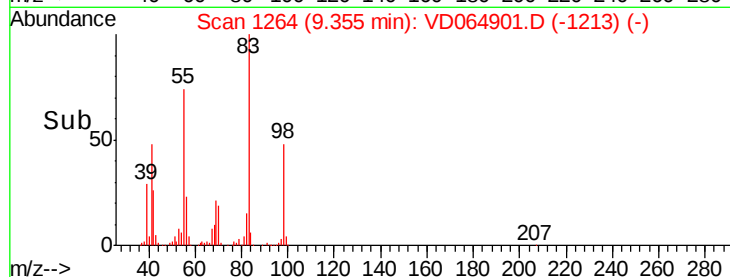
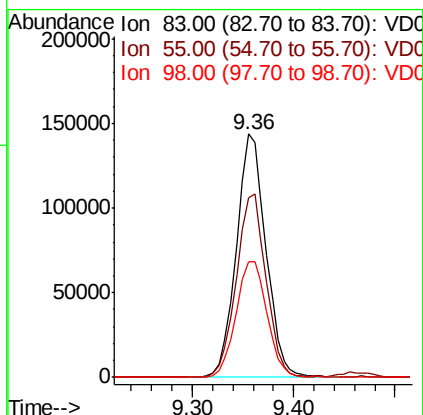
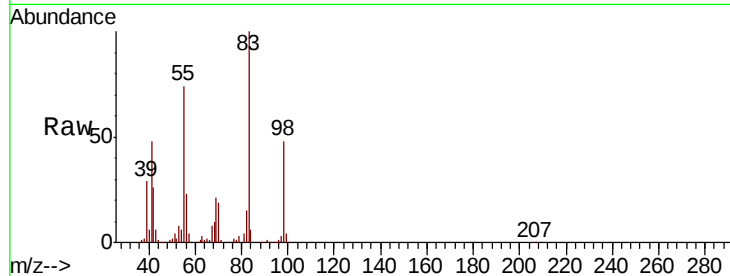




#39
Methvlcvclohexane
Concen: 50.209 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD064901.D
Acq: 21 Jan 2020 09:21

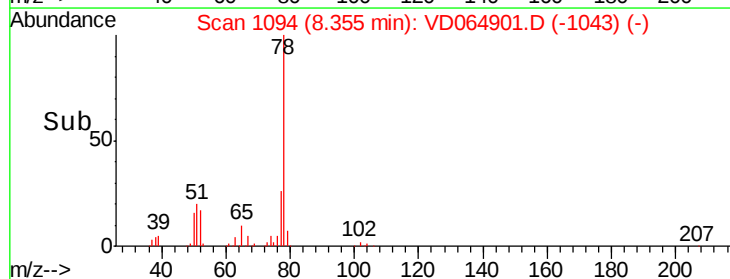
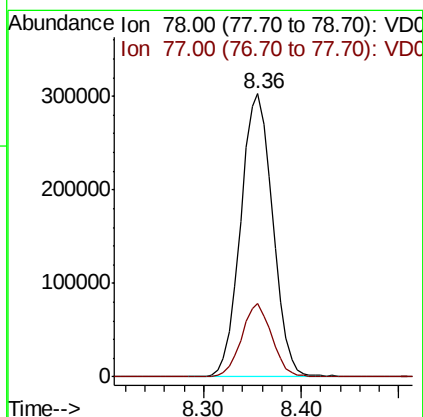
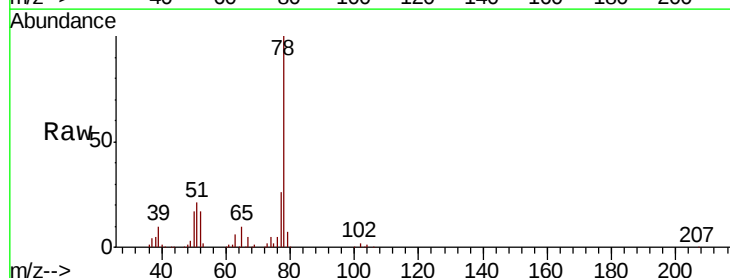
Instrument :
MSVOA_D
ClientSampleId :

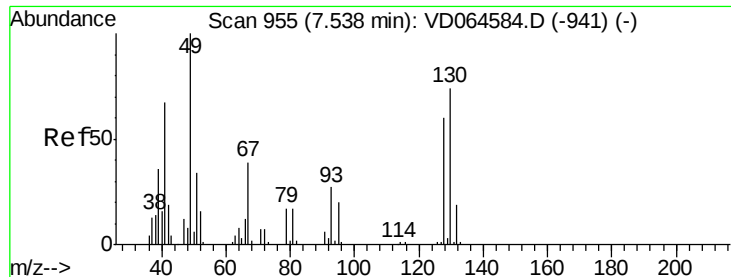
Tot Ion: 83 Resp: 291066
Ion Ratio Lower Upper
83 100
55 73.7 57.8 86.6
98 47.7 38.7 58.1



#40
Benzene
Concen: 52.956 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.00 min
Lab File: VD064901.D
Acq: 21 Jan 2020 09:21

Tgt Ion: 78 Resp: 691920
Ion Ratio Lower Upper
78 100
77 25.8 19.9 29.9





#41

Methacrylonitrile

Concen: 120.040 ug/l

RT: 7.56 min Scan# 959

Delta R.T. 0.02 min

Lab File: VD064901.D

Acq: 21 Jan 2020 09:21

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 41 Resp: 130958

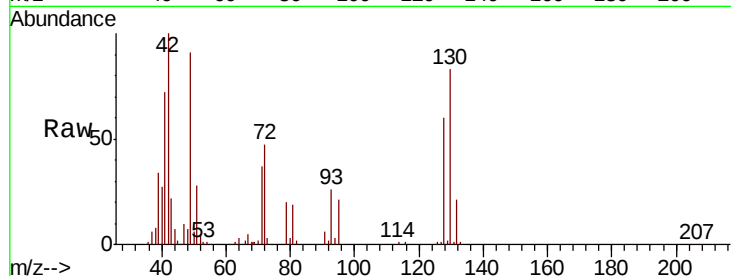
Ion Ratio Lower Upper

41 100

39 0.0 46.7 70.1#

67 0.0 52.5 78.7#

52 0.0 24.1 36.1#

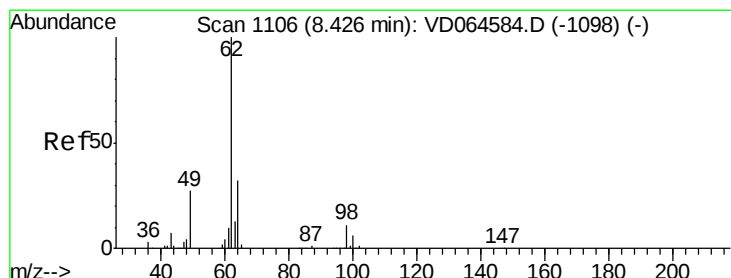
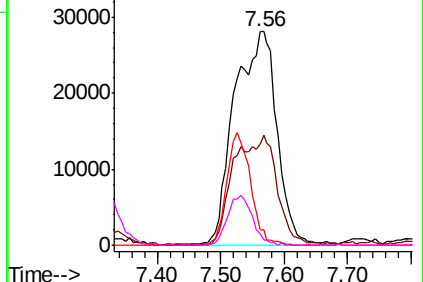
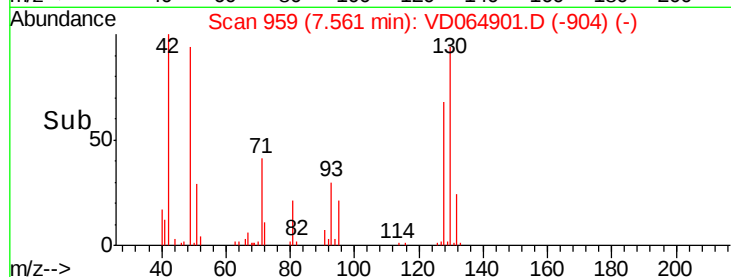


Abundance Ion 41.00 (40.70 to 41.70): VDC

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: 52.955 ug/l

RT: 8.43 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VD064901.D

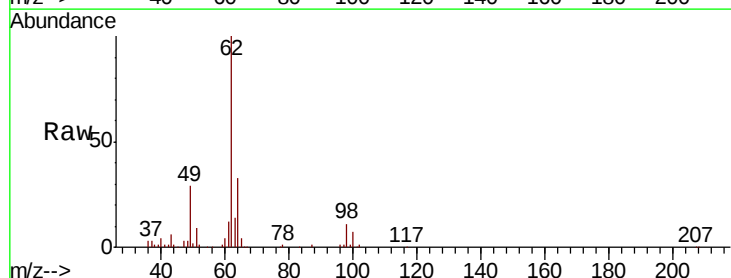
Acq: 21 Jan 2020 09:21

Tgt Ion: 62 Resp: 199944

Ion Ratio Lower Upper

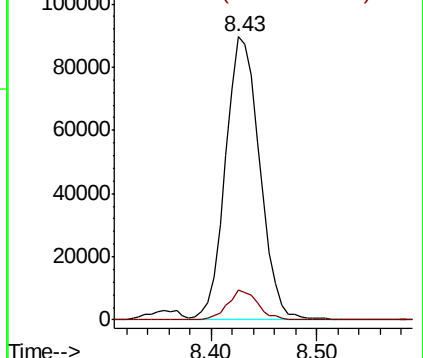
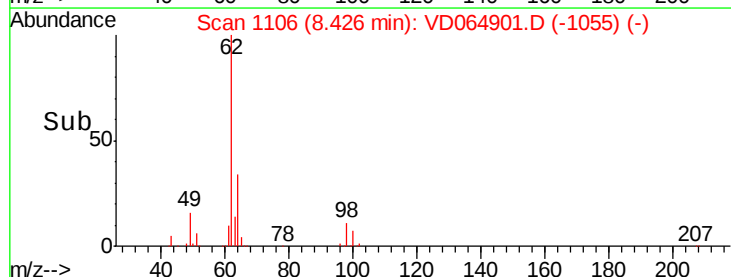
62 100

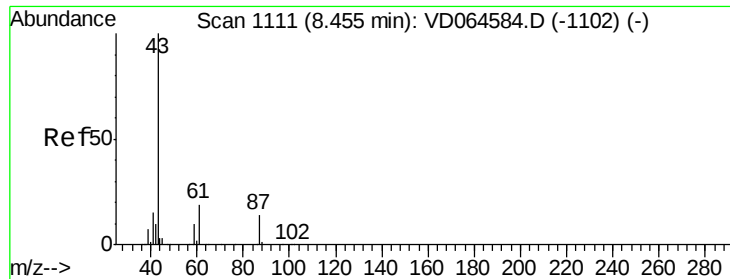
98 9.3 0.0 20.0



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 97.90 (97.60 to 98.60): VDC





#43

Isopropyl Acetate

Concen: 47.930 ug/l

RT: 8.46 min Scan# 1112

Delta R.T. 0.01 min

Lab File: VD064901.D

Acq: 21 Jan 2020 09:21

Instrument :

MSVOA_D

ClientSampleId :

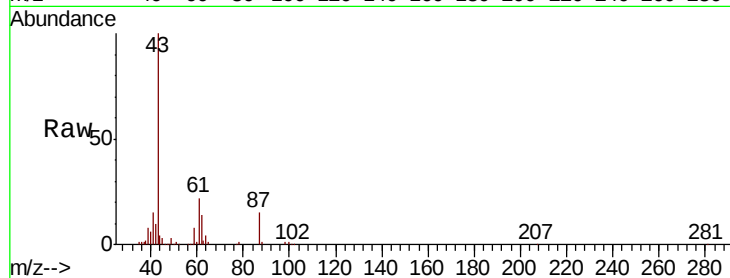
Tot Ion: 43 Resp: 179382

Ion Ratio Lower Upper

43 100

61 31.1 23.7 35.5

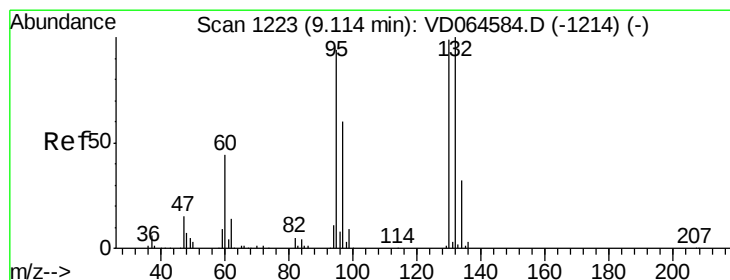
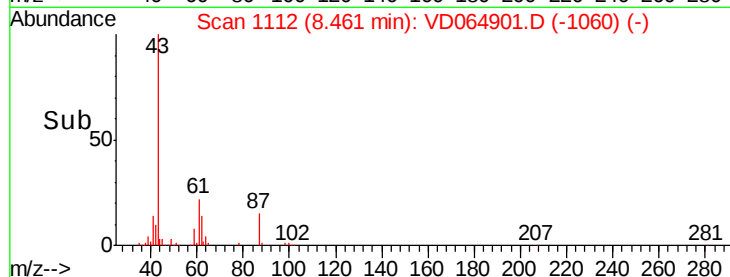
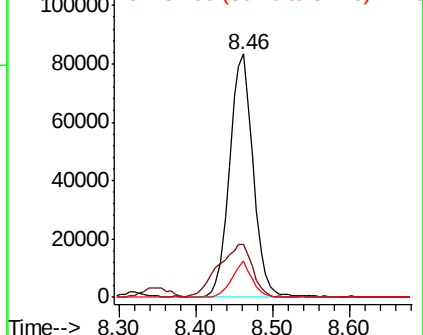
87 12.8 10.5 15.7



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 61.00 (60.70 to 61.70): VDC

Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 51.067 ug/l

RT: 9.12 min Scan# 1224

Delta R.T. 0.01 min

Lab File: VD064901.D

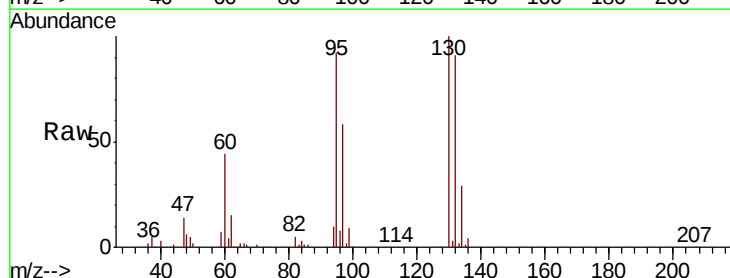
Acq: 21 Jan 2020 09:21

Tgt Ion:130 Resp: 196016

Ion Ratio Lower Upper

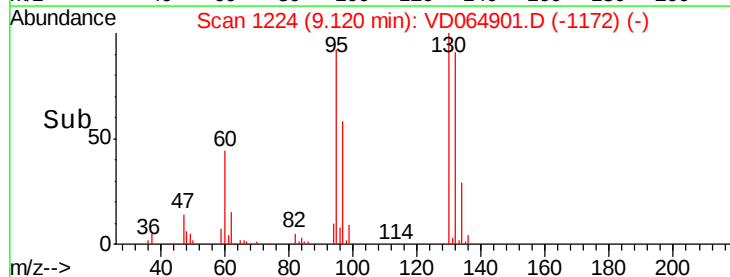
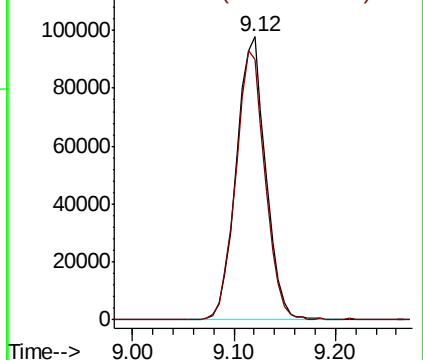
130 100

95 92.1 0.0 190.2



Abundance Ion 129.80 (129.50 to 130.50): VDC

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 55.725 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VD064901.D

Acq: 21 Jan 2020 09:21

Instrument :

MSVOA_D

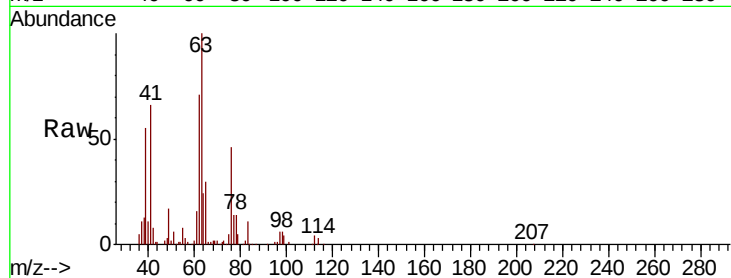
ClientSampleId :

Tot Ion: 63 Resp: 173844

Ion Ratio Lower Upper

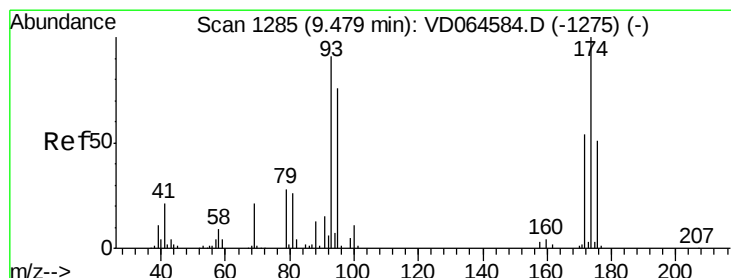
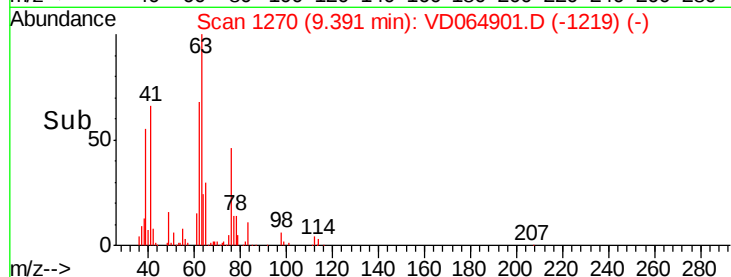
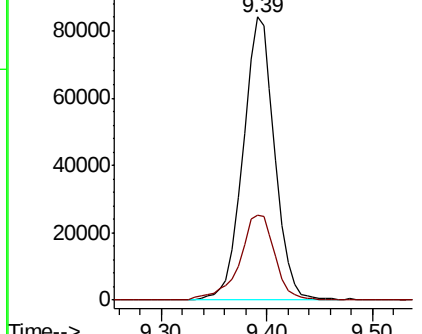
63 100

65 29.9 25.2 37.8



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC



#46

Dibromomethane

Concen: 49.528 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. 0.00 min

Lab File: VD064901.D

Acq: 21 Jan 2020 09:21

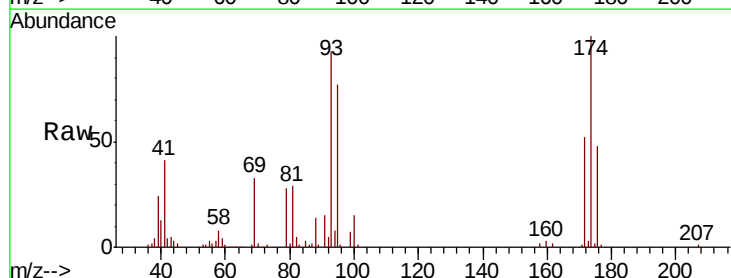
Tgt Ion: 93 Resp: 86146

Ion Ratio Lower Upper

93 100

95 83.4 64.6 97.0

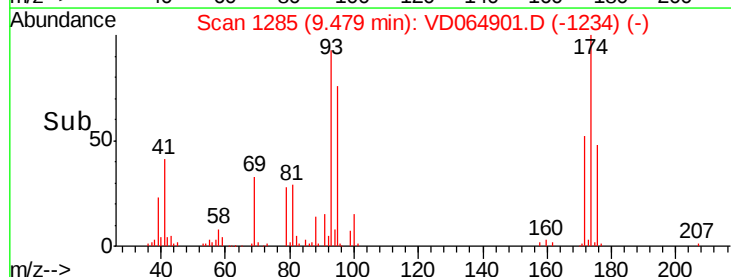
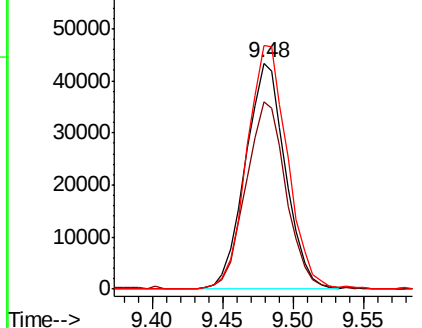
174 109.7 88.1 132.1

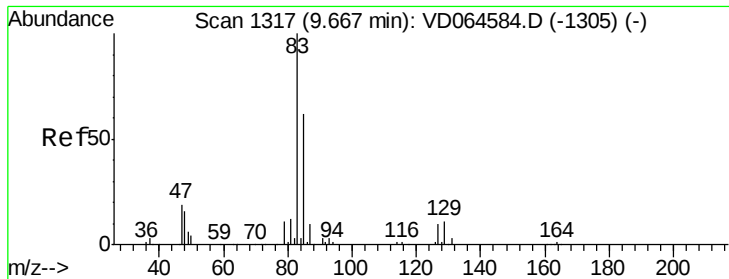


Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 54.179 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VD064901.D

Acq: 21 Jan 2020 09:21

Instrument :

MSVOA_D

ClientSampleId :

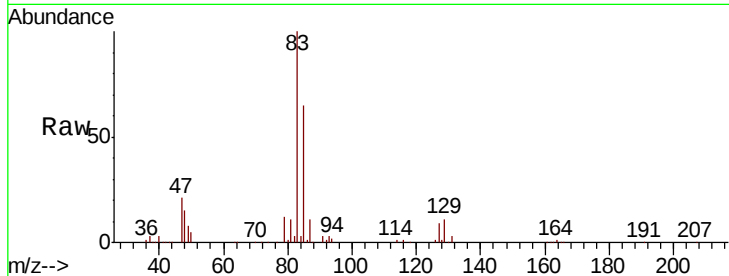
Tot Ion: 83 Resp: 250759

Ion Ratio Lower Upper

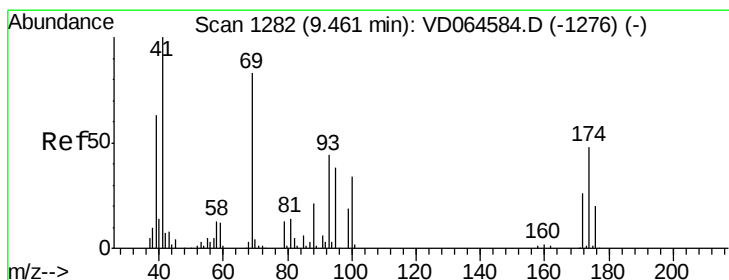
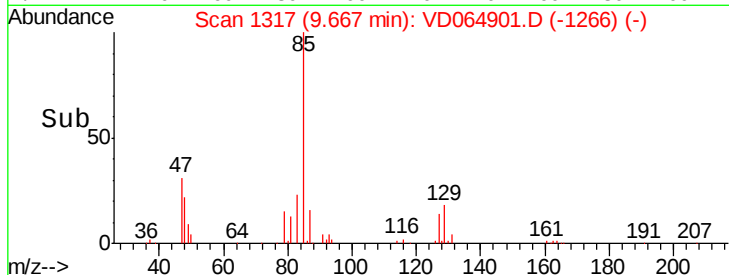
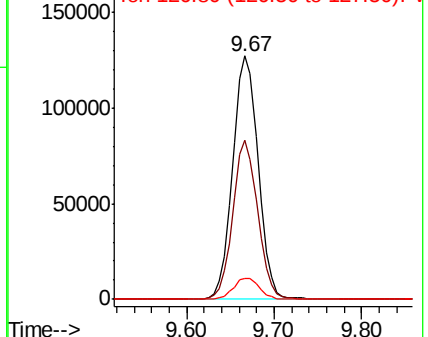
83 100

85 65.2 49.5 74.3

127 8.8 7.8 11.6



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



#48

Methyl methacrylate

Concen: 45.331 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VD064901.D

Acq: 21 Jan 2020 09:21

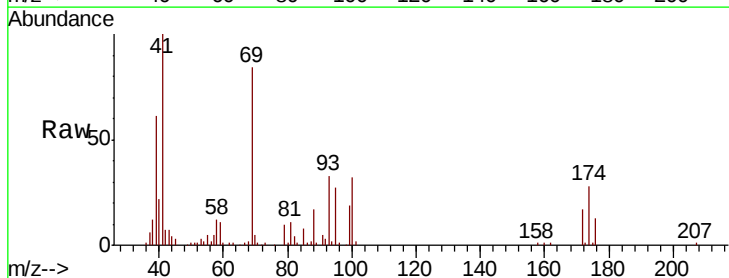
Tgt Ion: 41 Resp: 79882

Ion Ratio Lower Upper

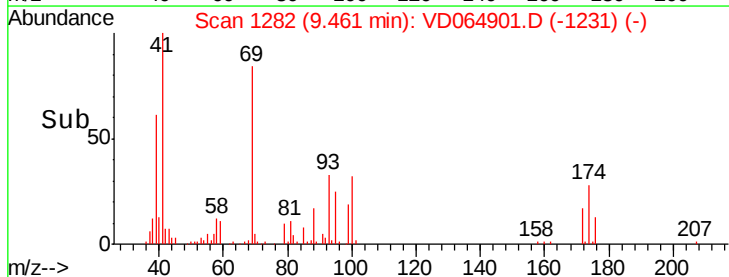
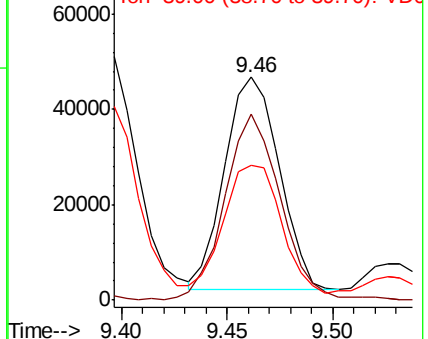
41 100

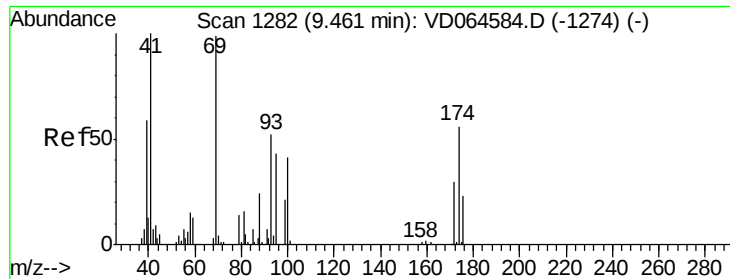
69 89.0 63.0 94.6

39 70.8 47.4 71.2



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

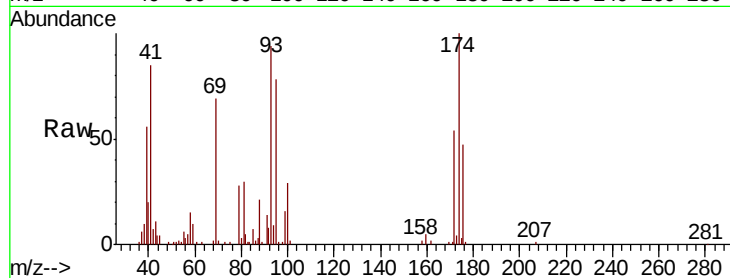




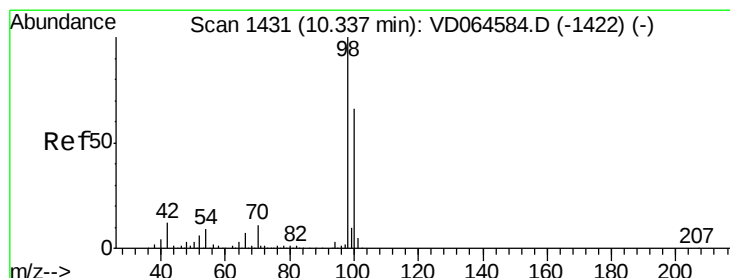
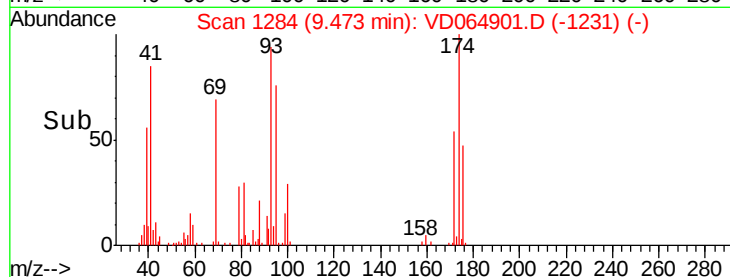
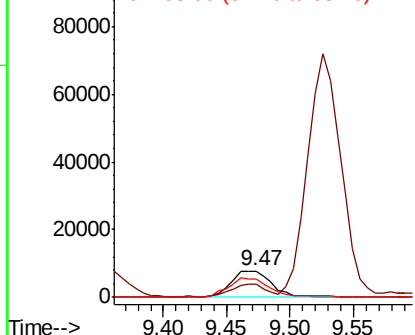
#49
 1,4-Dioxane
 Concen: 881.446 ug/l
 RT: 9.47 min Scan# 1284
 Delta R.T. 0.01 min
 Lab File: VD064901.D
 Acq: 21 Jan 2020 09:21

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion: 88 Resp: 17678
 Ion Ratio Lower Upper
 88 100
 43 41.5 27.7 41.5
 58 71.7 53.8 80.6

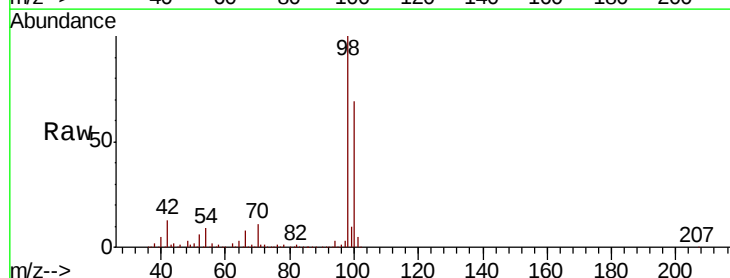


Abundance Ion 88.00 (87.70 to 88.70): VDC
 Ion 43.00 (42.70 to 43.70): VDC
 Ion 58.00 (57.70 to 58.70): VDC

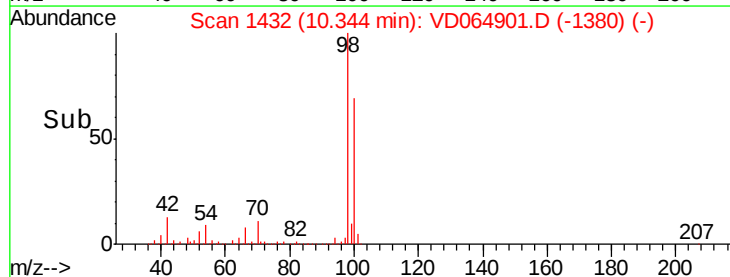
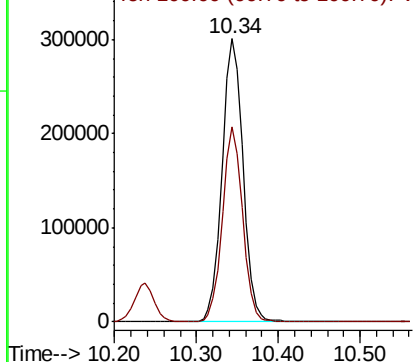


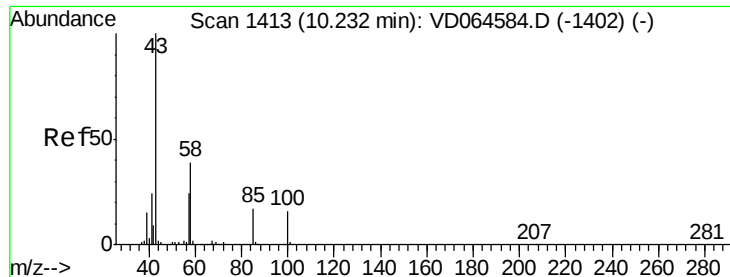
#50
 Toluene-d8
 Concen: 46.009 ug/l
 RT: 10.34 min Scan# 1432
 Delta R.T. 0.01 min
 Lab File: VD064901.D
 Acq: 21 Jan 2020 09:21

Tgt Ion: 98 Resp: 537600
 Ion Ratio Lower Upper
 98 100
 100 66.3 51.7 77.5



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





#51

4-Methyl-2-Pentanone

Concen: 245.732 ug/l

RT: 10.24 min Scan# 1414

Delta R.T. 0.01 min

Lab File: VD064901.D

Acq: 21 Jan 2020 09:21

Instrument :

MSVOA_D

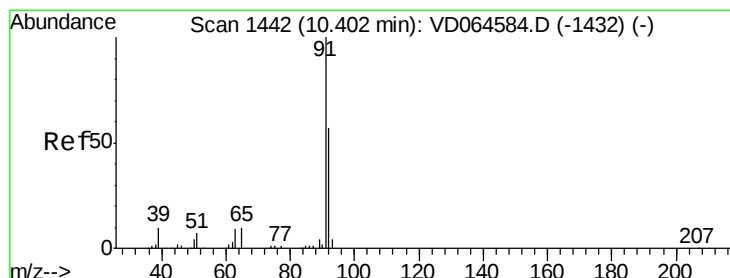
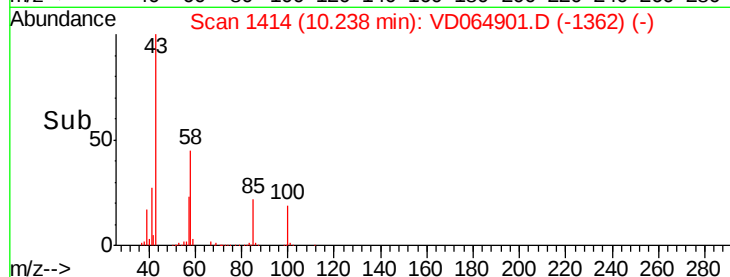
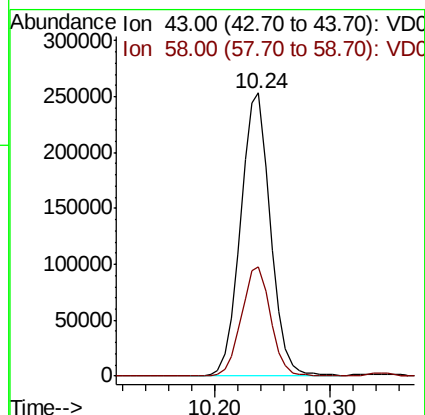
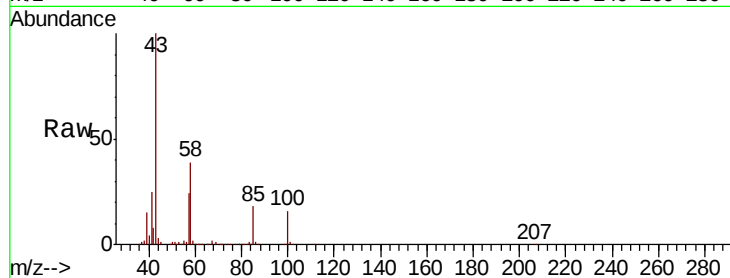
ClientSampleID :

Tot Ion: 43 Resp: 454574

Ion Ratio Lower Upper

43 100

58 37.9 30.2 45.2



#52

Toluene

Concen: 52.830 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. 0.01 min

Lab File: VD064901.D

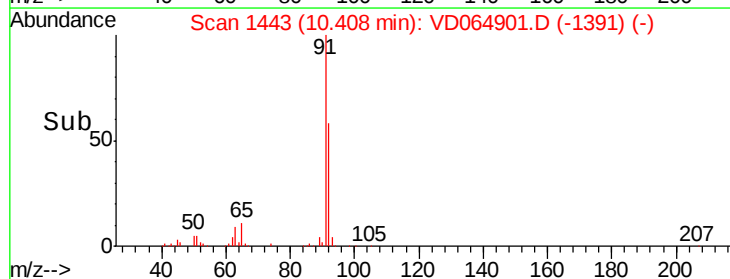
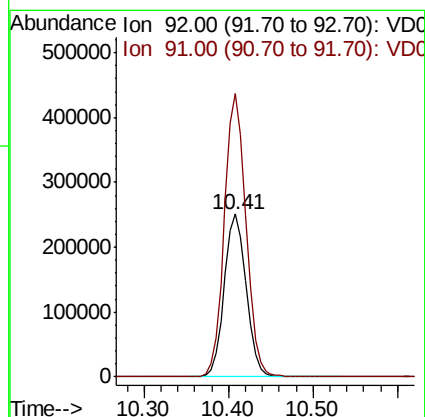
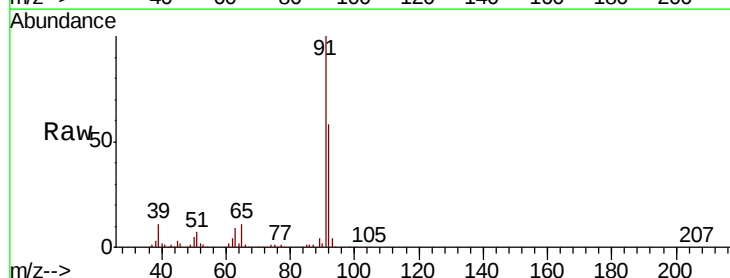
Acq: 21 Jan 2020 09:21

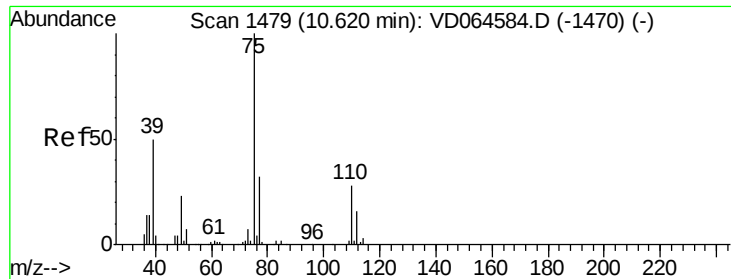
Tgt Ion: 92 Resp: 452873

Ion Ratio Lower Upper

92 100

91 171.5 138.7 208.1





#53

t-1,3-Dichloropropene

Concen: 51.892 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. 0.01 min

Lab File: VD064901.D

Acq: 21 Jan 2020 09:21

Instrument :

MSVOA_D

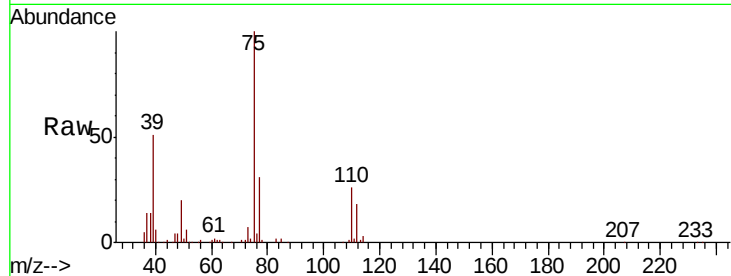
ClientSampled :

Tot Ion: 75 Resp: 223916

Ion Ratio Lower Upper

75 100

77 31.0 25.4 38.2



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 76.90 (76.60 to 77.60): VDC

10.63

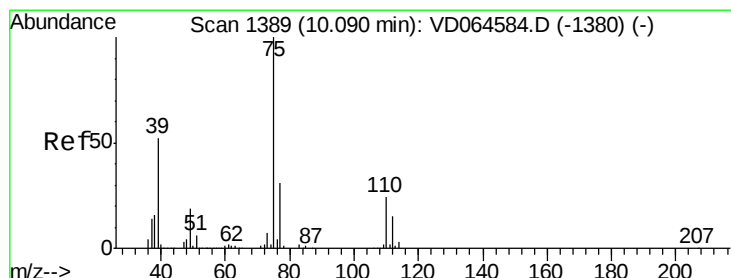
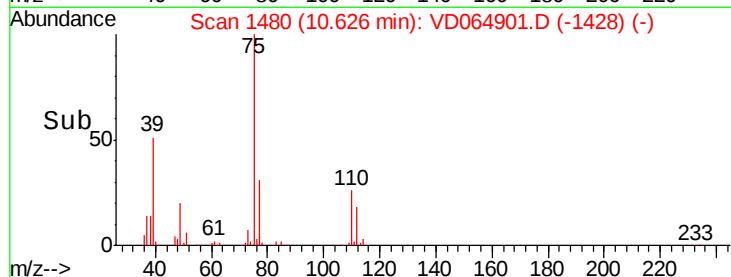
150000

100000

50000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 53.768 ug/l

RT: 10.10 min Scan# 1390

Delta R.T. 0.01 min

Lab File: VD064901.D

Acq: 21 Jan 2020 09:21

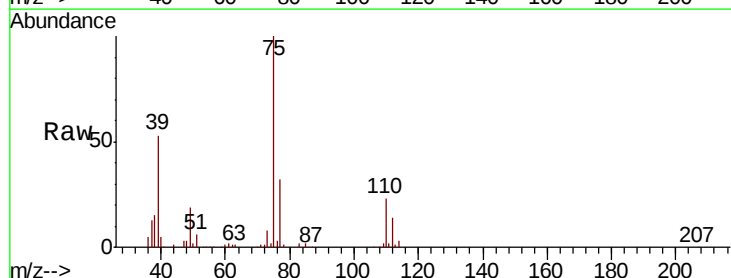
Tgt Ion: 75 Resp: 273574

Ion Ratio Lower Upper

75 100

77 31.6 24.6 36.8

39 53.2 41.4 62.2



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 76.90 (76.60 to 77.60): VDC

Ion 39.00 (38.70 to 39.70): VDC

200000

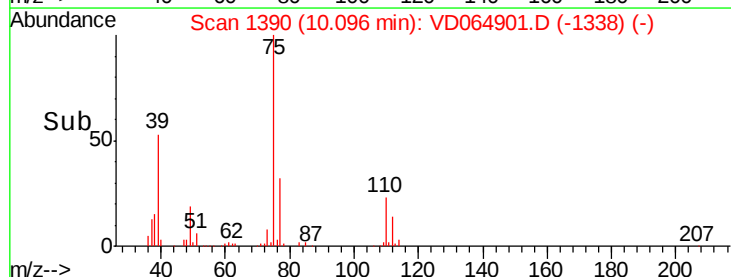
150000

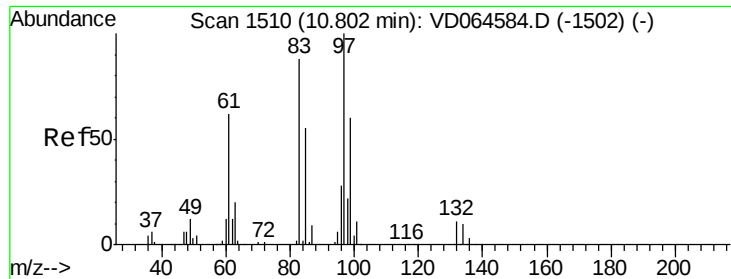
100000

50000

0

Time-->





#55

1,1,2-Trichloroethane

Concen: 51.768 ug/l

RT: 10.81 min Scan# 1511

Delta R.T. 0.01 min

Lab File: VD064901.D

Acq: 21 Jan 2020 09:21

Instrument :

MSVOA_D

ClientSampled :

Tot Ion: 97 Resp: 121346

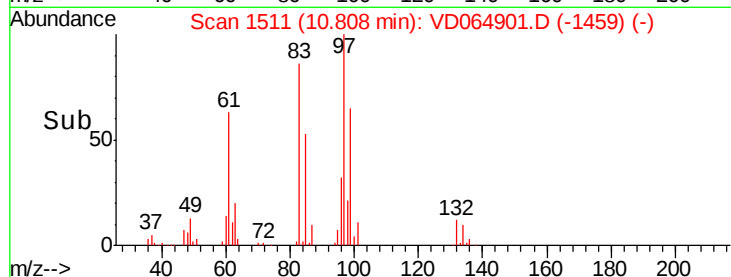
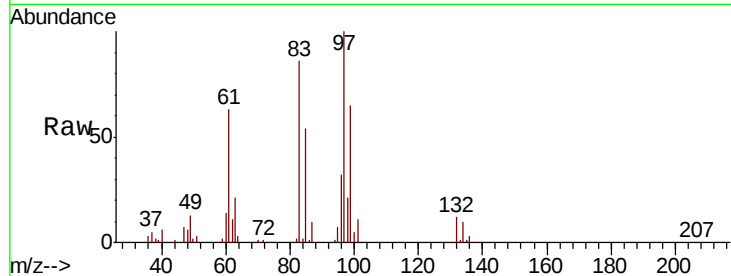
Ion	Ratio	Lower	Upper
97	100		
83	86.2	70.2	105.4
85	53.5	44.0	66.0
99	64.8	47.8	71.6

97 100

83 86.2 70.2 105.4

85 53.5 44.0 66.0

99 64.8 47.8 71.6



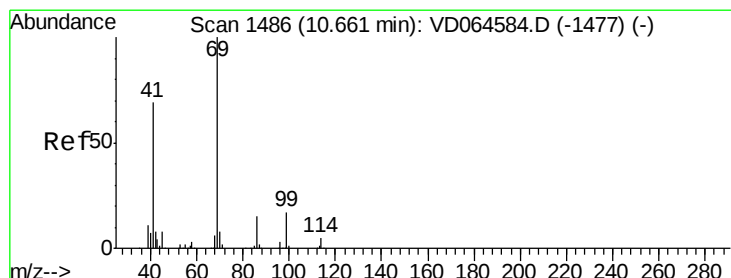
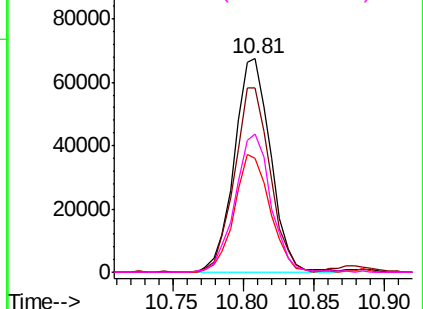
Abundance

Ion 96.90 (96.60 to 97.60): VDC

Ion 82.90 (82.60 to 83.60): VDC

Ion 84.90 (84.60 to 85.60): VDC

Ion 98.90 (98.60 to 99.60): VDC



#56

Ethyl methacrylate

Concen: 49.309 ug/l

RT: 10.67 min Scan# 1487

Delta R.T. 0.01 min

Lab File: VD064901.D

Acq: 21 Jan 2020 09:21

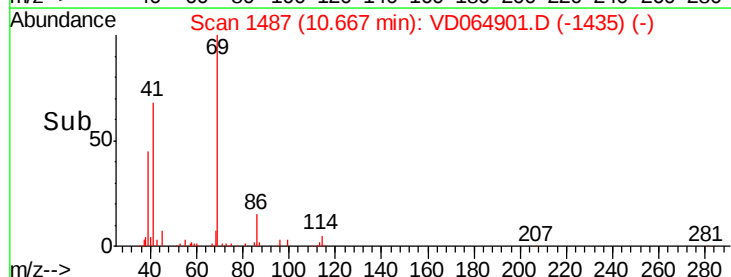
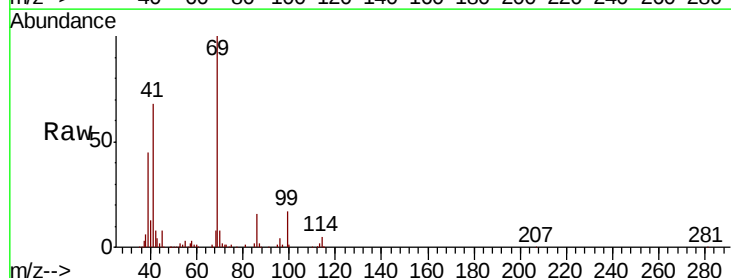
Tgt Ion: 69 Resp: 144347

Ion	Ratio	Lower	Upper
69	100		
41	69.0	55.3	82.9
39	40.0	33.8	50.8

69 100

41 69.0 55.3 82.9

39 40.0 33.8 50.8

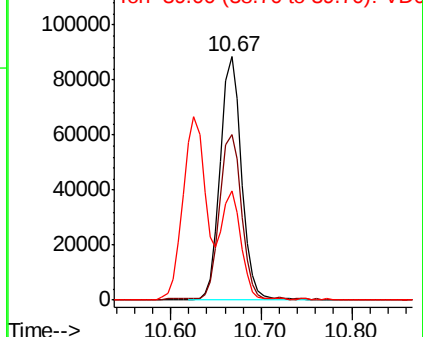


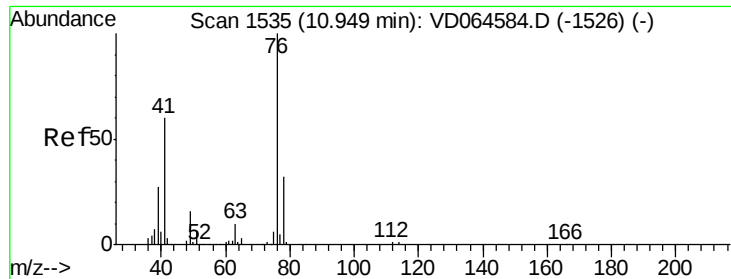
Abundance

Ion 69.00 (68.70 to 69.70): VDC

Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

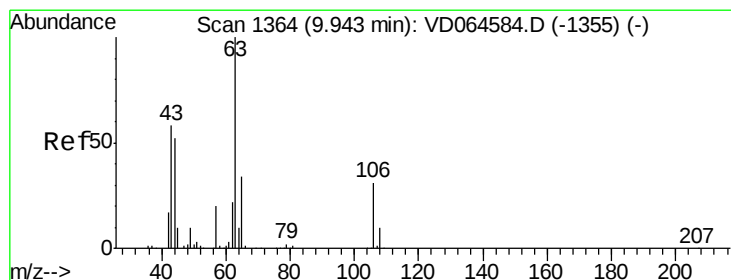
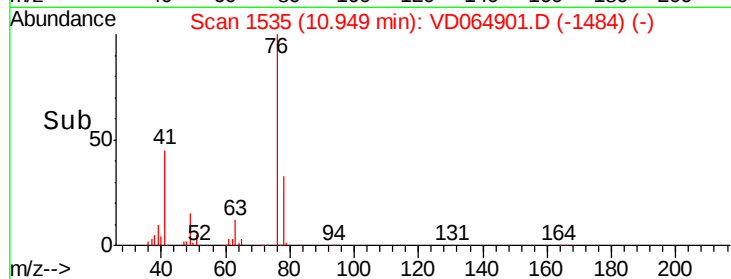
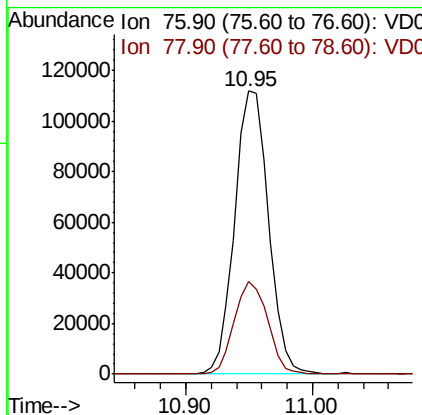
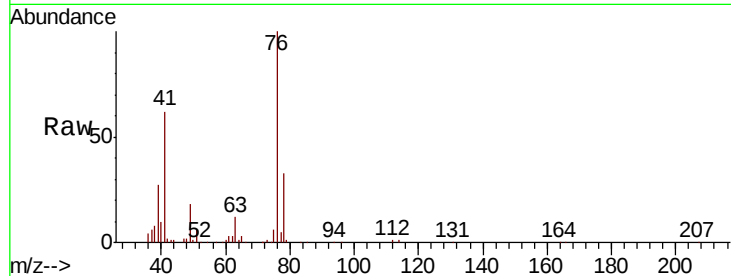




#57
 1,3-Dichloropropane
 Concen: 51.387 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. 0.00 min
 Lab File: VD064901.D
 Acq: 21 Jan 2020 09:21

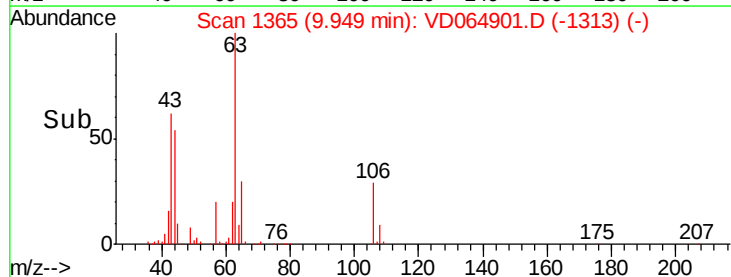
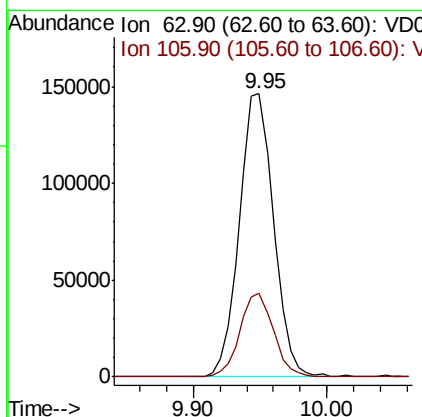
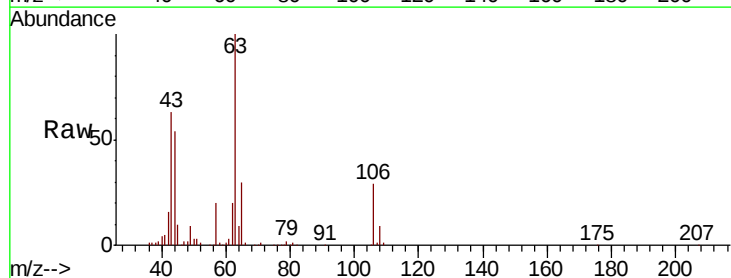
Instrument :
 MSVOA_D
 ClientSampleId :

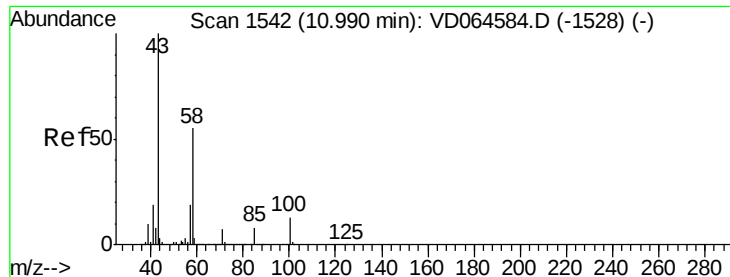
Tot Ion: 76 Resp: 207397
 Ion Ratio Lower Upper
 76 100
 78 32.3 26.2 39.4



#58
 2-Chloroethyl Vinyl ether
 Concen: 233.191 ug/l
 RT: 9.95 min Scan# 1365
 Delta R.T. 0.01 min
 Lab File: VD064901.D
 Acq: 21 Jan 2020 09:21

Tgt Ion: 63 Resp: 260083
 Ion Ratio Lower Upper
 63 100
 106 29.0 23.8 35.8

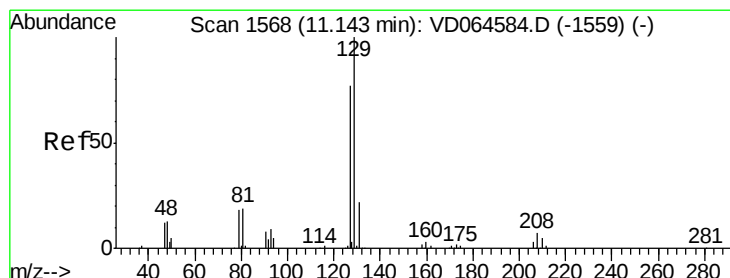
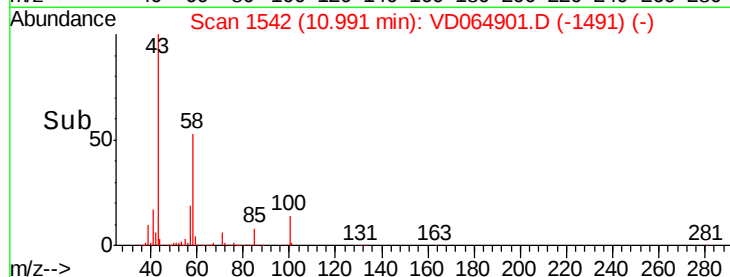
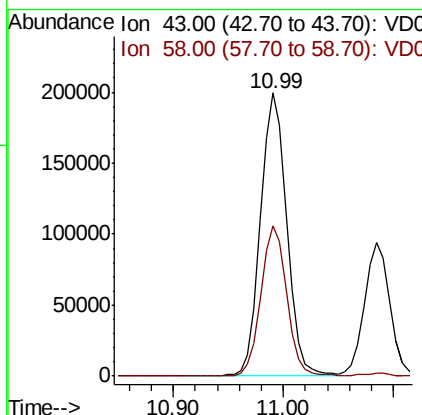
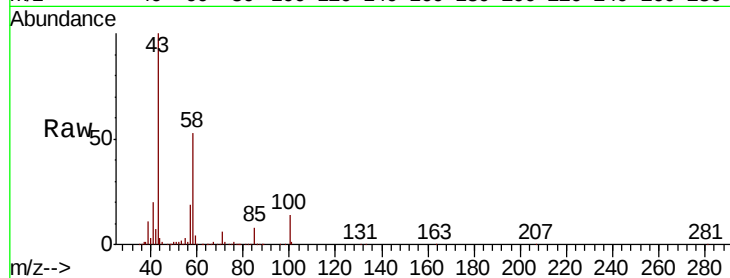




#59
2-Hexanone
Concen: 266.225 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD064901.D
Acq: 21 Jan 2020 09:21

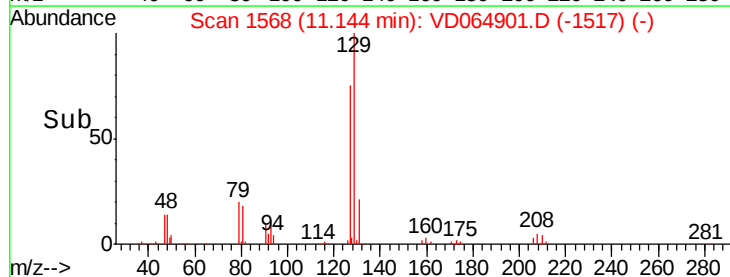
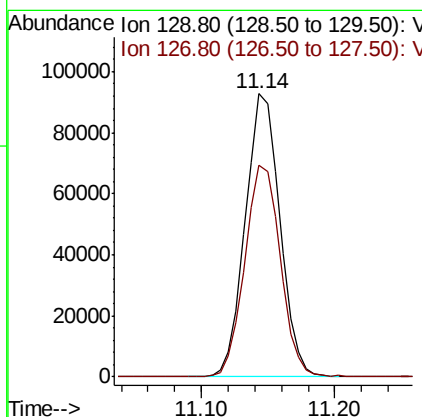
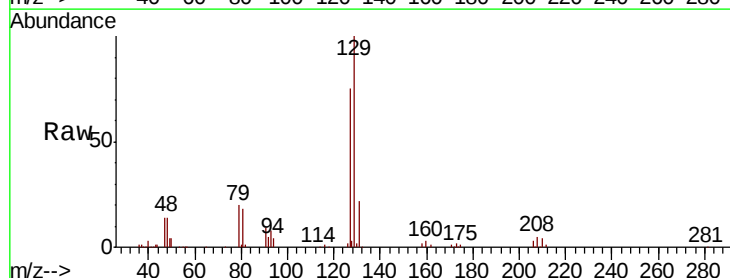
Instrument :
MSVOA_D
ClientSampleID :

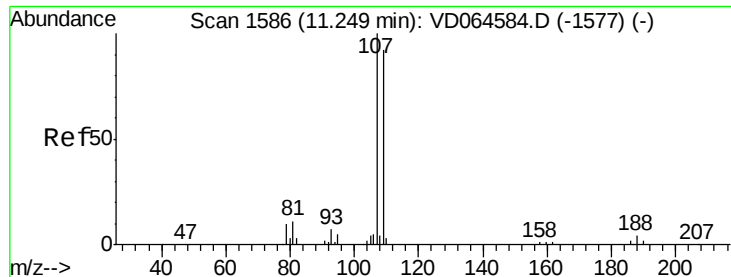
Tot Ion: 43 Resp: 334258
Ion Ratio Lower Upper
43 100
58 52.2 26.4 79.0



#60
Dibromochloromethane
Concen: 51.471 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD064901.D
Acq: 21 Jan 2020 09:21

Tgt Ion: 129 Resp: 166843
Ion Ratio Lower Upper
129 100
127 76.5 38.4 115.2

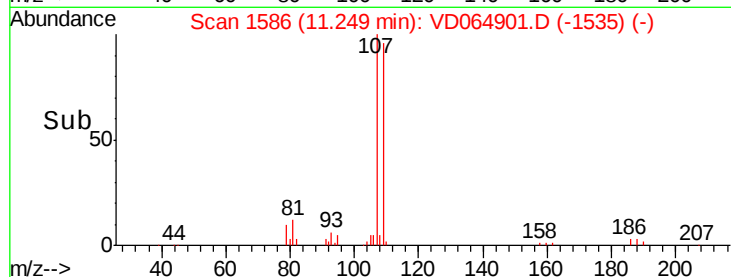
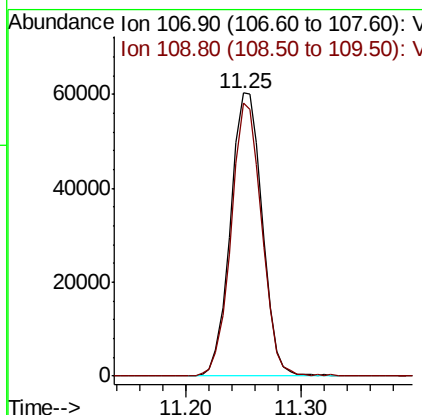
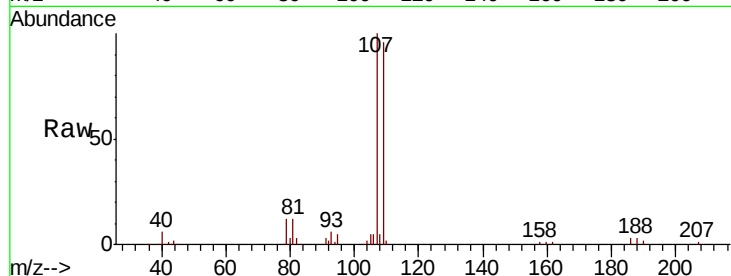




#61
 1,2-Dibromoethane
 Concen: 49.630 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD064901.D
 Acq: 21 Jan 2020 09:21

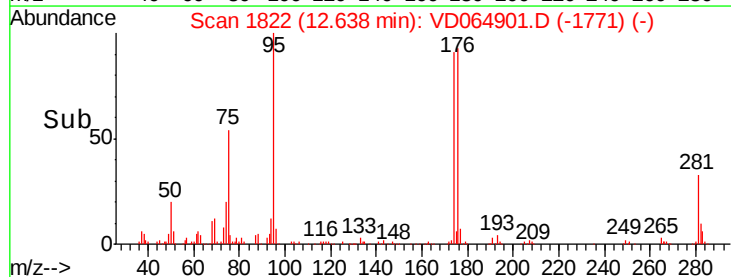
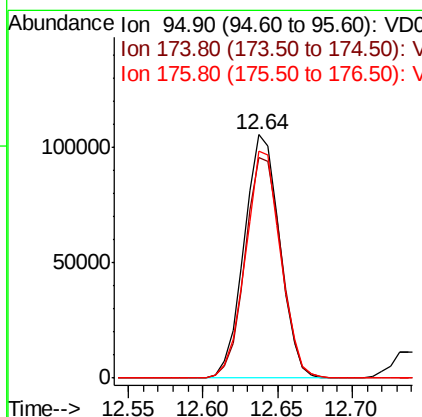
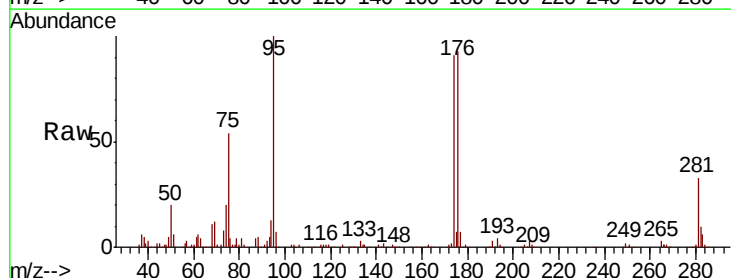
Instrument :
 MSVOA_D
 ClientSampleId :

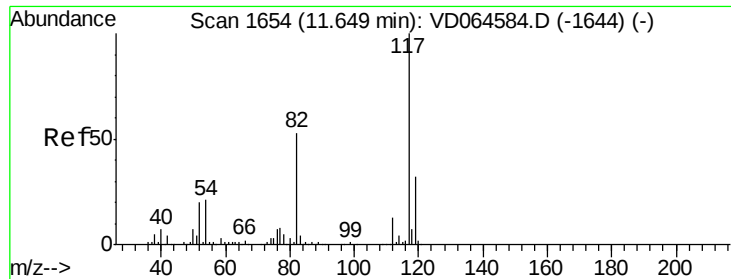
Tot Ion:107 Resp: 114744
 Ion Ratio Lower Upper
 107 100
 109 93.2 75.6 113.4



#62
 4-Bromofluorobenzene
 Concen: 47.089 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD064901.D
 Acq: 21 Jan 2020 09:21

Tgt Ion: 95 Resp: 173984
 Ion Ratio Lower Upper
 95 100
 174 92.0 0.0 193.2
 176 92.0 0.0 184.2

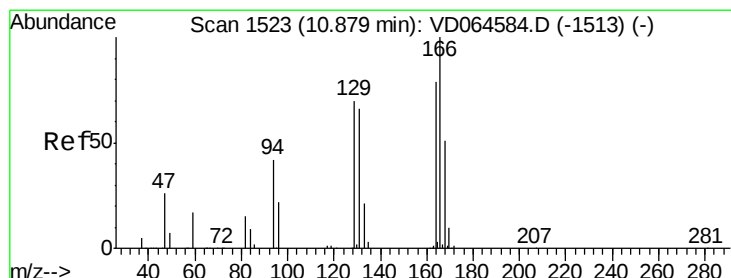
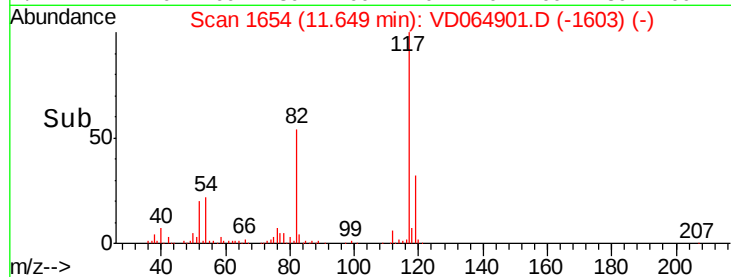
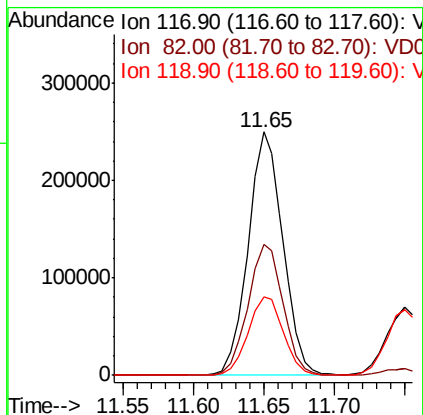
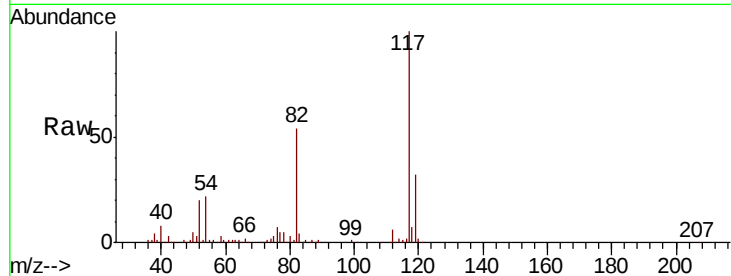




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD064901.D
Acq: 21 Jan 2020 09:21

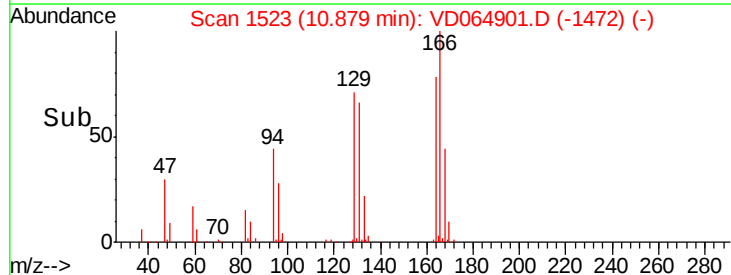
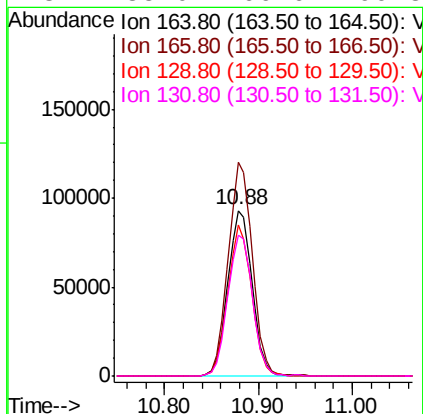
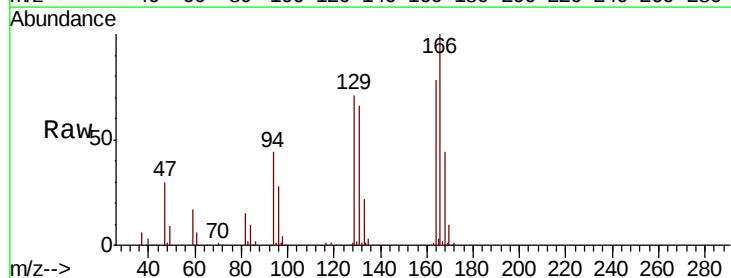
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 430412
Ion Ratio Lower Upper
117 100
82 53.8 42.2 63.4
119 32.1 26.0 39.0



#64
Tetrachloroethene
Concen: 51.018 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD064901.D
Acq: 21 Jan 2020 09:21

Tgt Ion:164 Resp: 168463
Ion Ratio Lower Upper
164 100
166 128.8 101.3 151.9
129 91.1 70.5 105.7
131 85.0 66.6 99.8

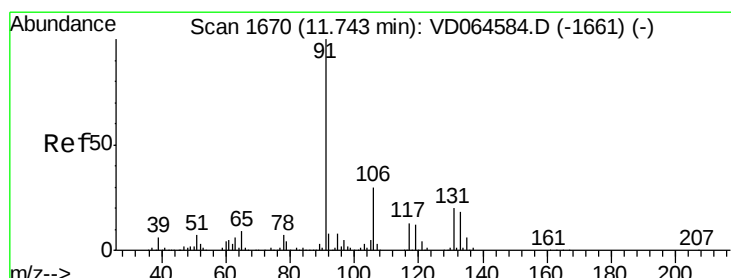
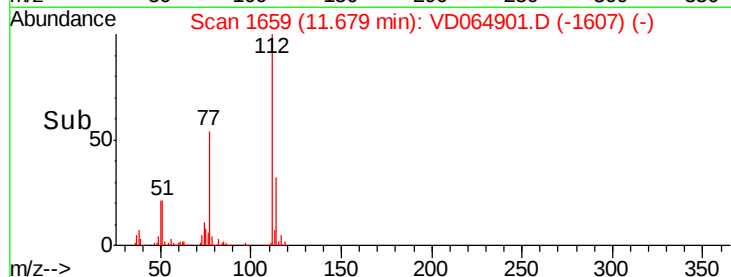
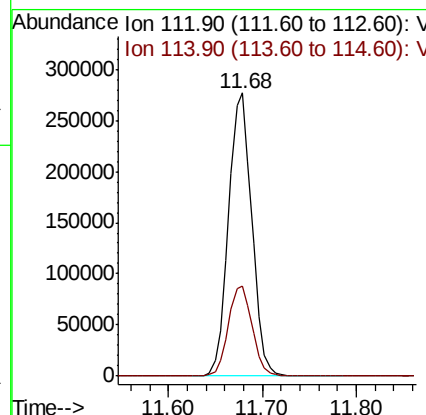
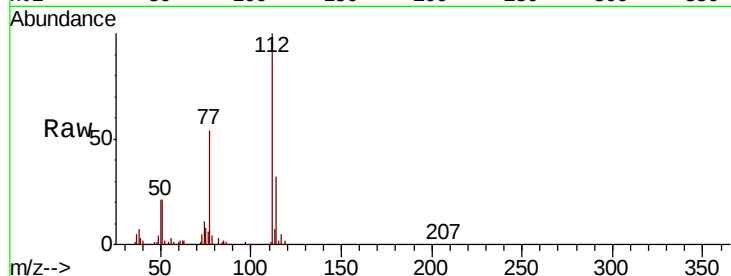




#65
Chlorobenzene
Concen: 53.406 ug/l
RT: 11.68 min Scan# 1659
Delta R.T. 0.01 min
Lab File: VD064901.D
Acq: 21 Jan 2020 09:21

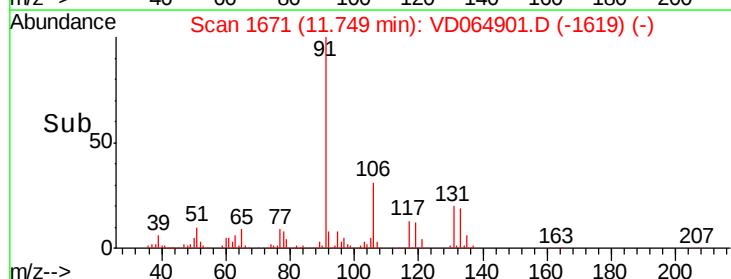
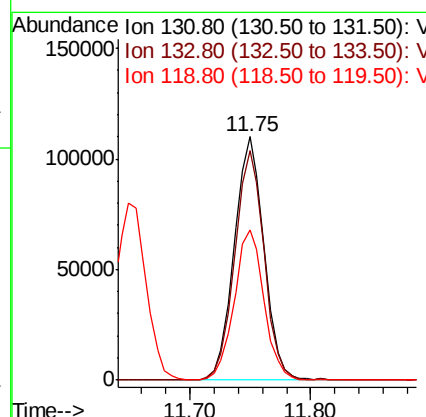
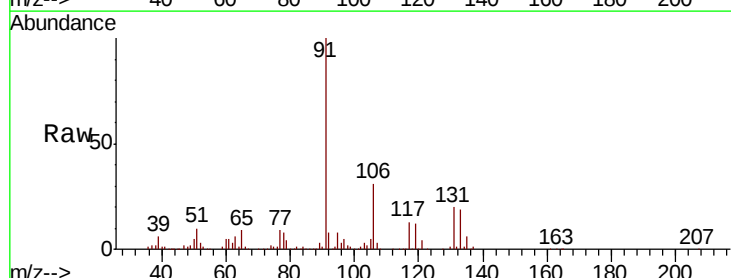
Instrument :
MSVOA_D
ClientSampleId :

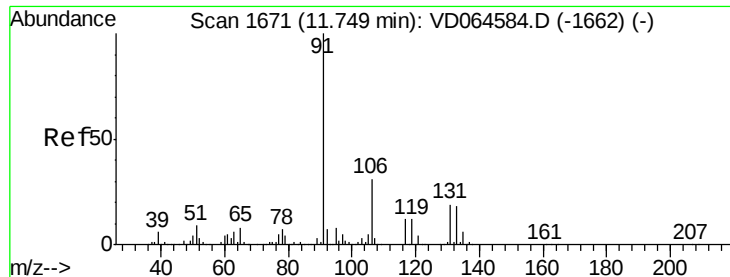
Tot Ion:112 Resp: 477079
Ion Ratio Lower Upper
112 100
114 31.7 24.8 37.2



#66
1,1,1,2-Tetrachloroethane
Concen: 55.873 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.01 min
Lab File: VD064901.D
Acq: 21 Jan 2020 09:21

Tgt Ion:131 Resp: 188161
Ion Ratio Lower Upper
131 100
133 93.1 48.3 144.8
119 61.7 32.1 96.3





#67

Ethyl Benzene

Concen: 54.477 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD064901.D

Acq: 21 Jan 2020 09:21

Instrument :

MSVOA_D

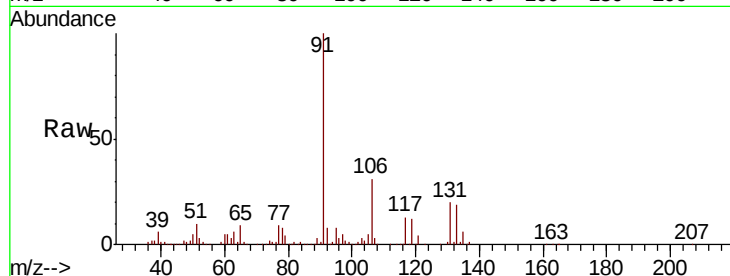
ClientSampled :

Tot Ion: 91 Resp: 883296

Ion Ratio Lower Upper

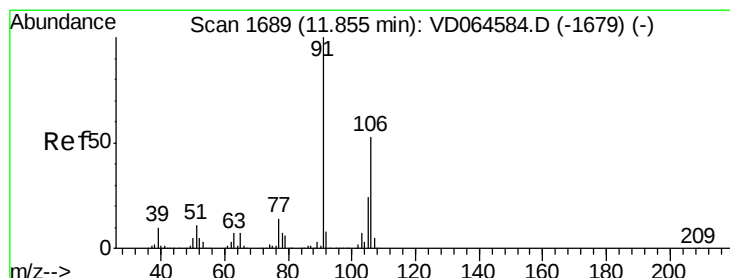
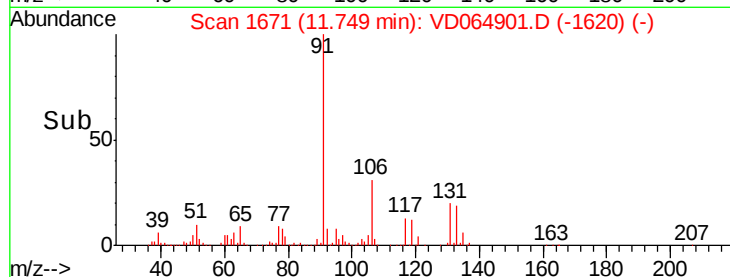
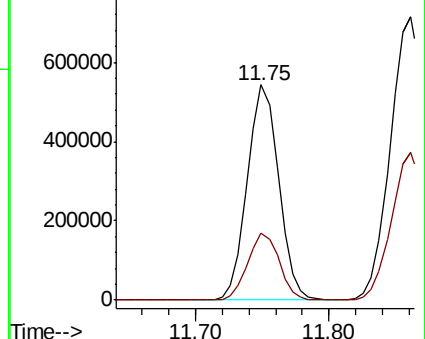
91 100

106 31.4 24.6 36.8



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 106.00 (105.70 to 106.70): VDC



#68

m/p-Xylenes

Concen: 109.417 ug/l

RT: 11.86 min Scan# 1690

Delta R.T. 0.01 min

Lab File: VD064901.D

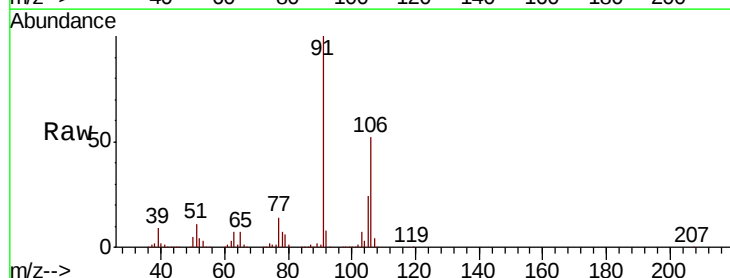
Acq: 21 Jan 2020 09:21

Tgt Ion: 106 Resp: 684769

Ion Ratio Lower Upper

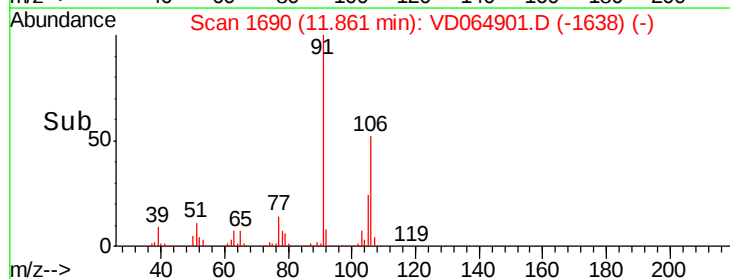
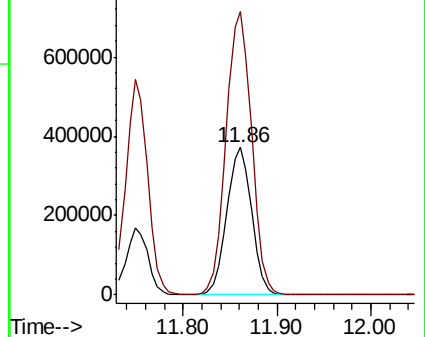
106 100

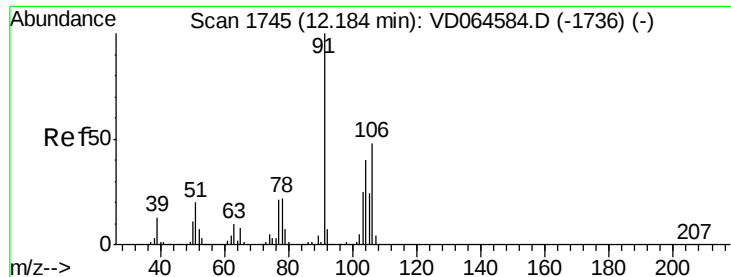
91 197.0 156.3 234.5



Abundance Ion 106.00 (105.70 to 106.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

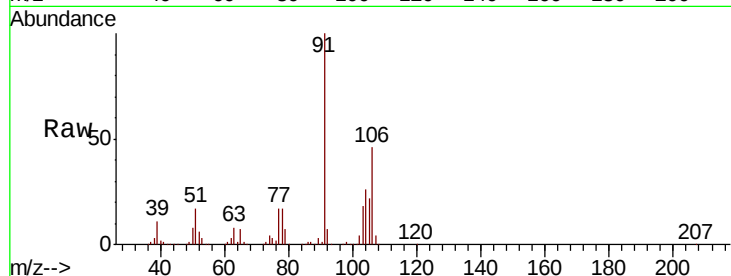




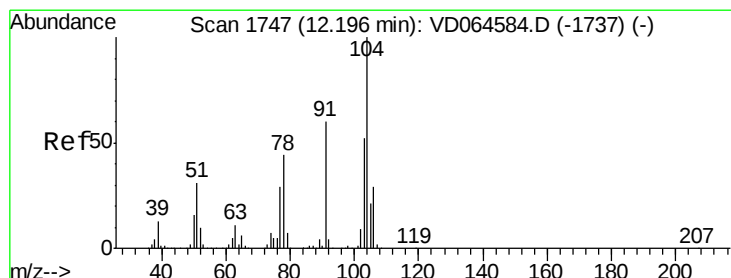
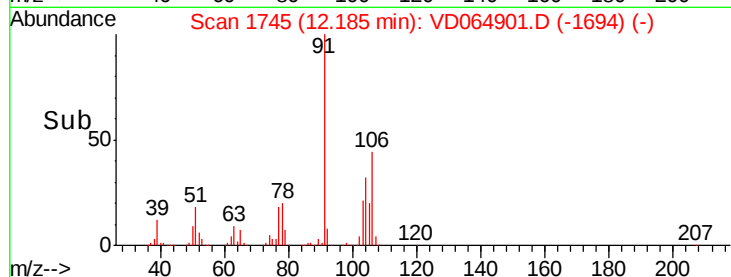
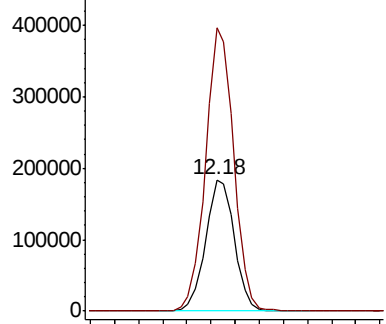
#69
o-Xylene
Concen: 53.845 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD064901.D
Acq: 21 Jan 2020 09:21

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:106 Resp: 304378
Ion Ratio Lower Upper
106 100
91 211.3 104.8 314.4

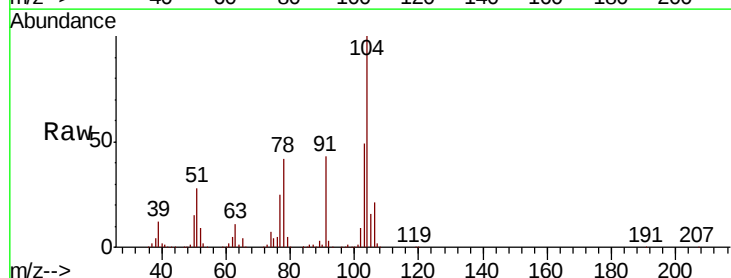


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): V

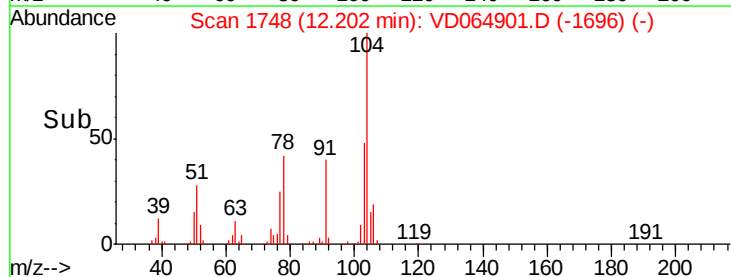
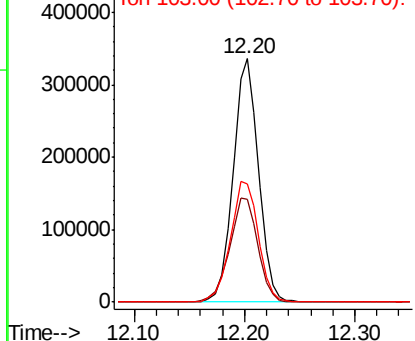


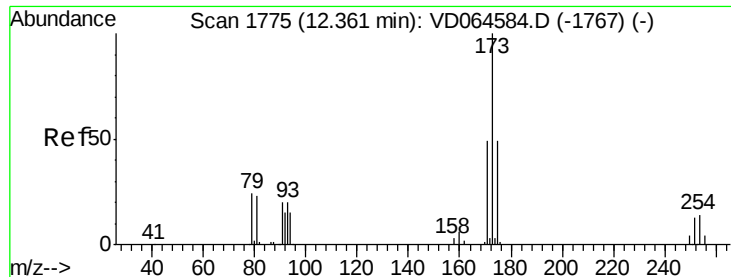
#70
Styrene
Concen: 54.381 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. 0.01 min
Lab File: VD064901.D
Acq: 21 Jan 2020 09:21

Tgt Ion:104 Resp: 539583
Ion Ratio Lower Upper
104 100
78 47.7 38.2 57.2
103 54.9 44.6 67.0



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): V
Ion 103.00 (102.70 to 103.70): V

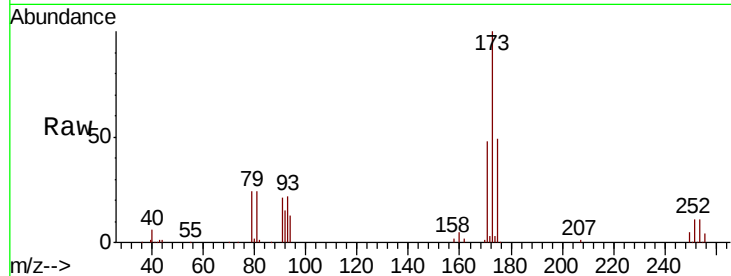




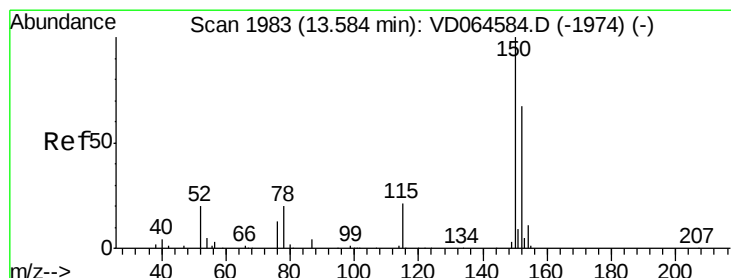
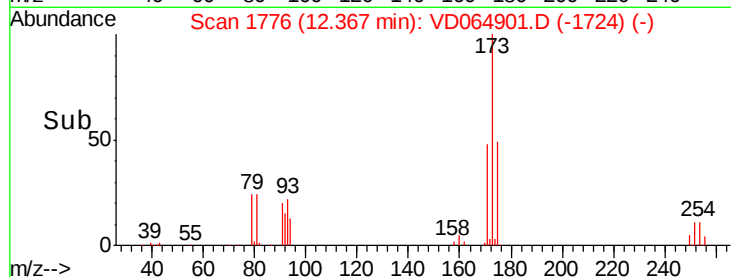
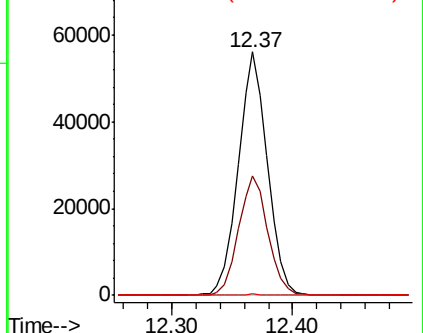
#71
Bromoform
Concen: 48.873 ug/l
RT: 12.37 min Scan# 1776
Delta R.T. 0.01 min
Lab File: VD064901.D
Acq: 21 Jan 2020 09:21

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:173 Resp: 93861
Ion Ratio Lower Upper
173 100
175 49.1 24.6 73.8
254 0.1 0.1 0.1

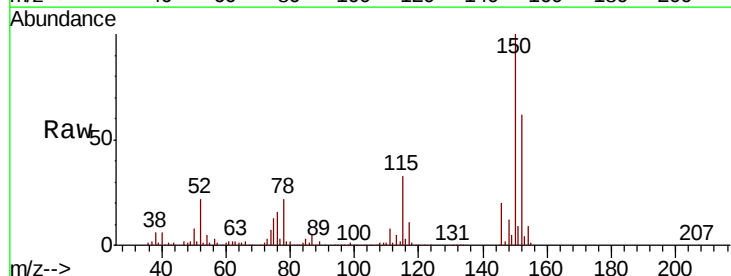


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

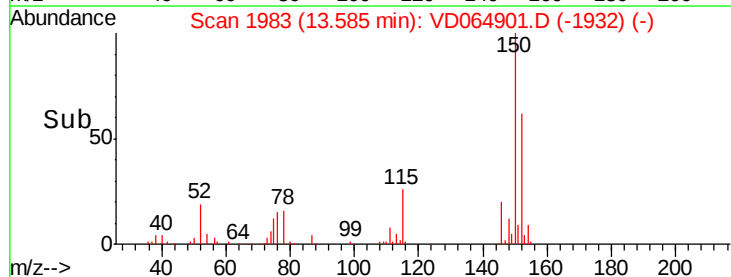
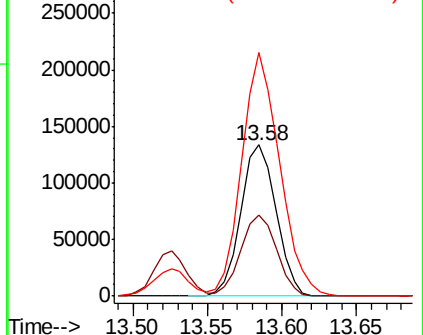


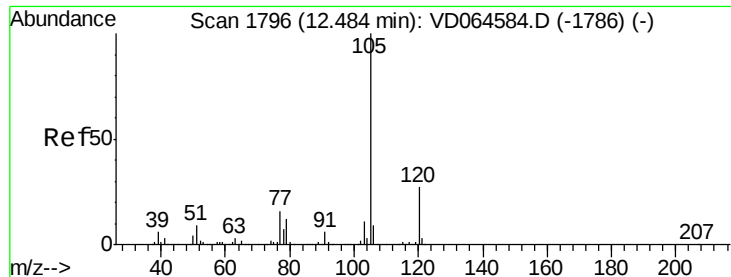
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.00 min
Lab File: VD064901.D
Acq: 21 Jan 2020 09:21

Tgt Ion:152 Resp: 219064
Ion Ratio Lower Upper
152 100
115 54.3 27.8 83.4
150 173.0 0.0 351.4



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 53.986 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD064901.D

Acq: 21 Jan 2020 09:21

Instrument :

MSVOA_D

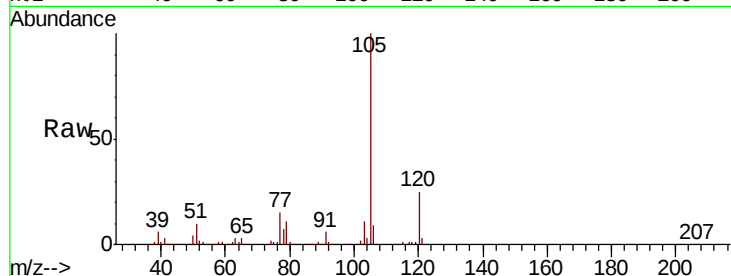
ClientSampled :

Tot Ion:105 Resp: 845139

Ion Ratio Lower Upper

105 100

120 26.1 13.5 40.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.48

600000

500000

400000

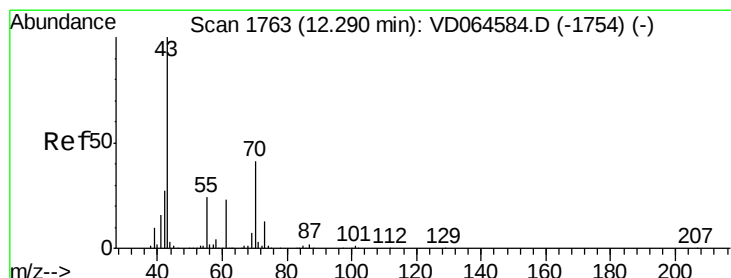
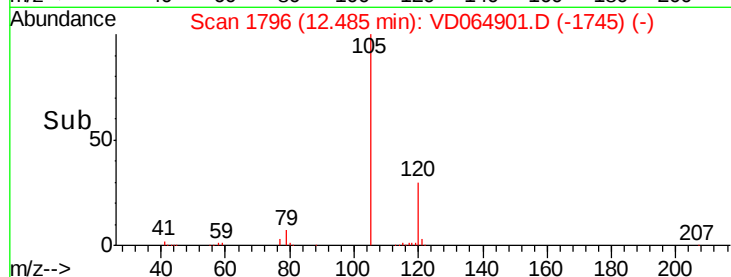
300000

200000

100000

0

Time-->



#74

N-ethyl acetate

Concen: 48.420 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. 0.01 min

Lab File: VD064901.D

Acq: 21 Jan 2020 09:21

Tgt Ion: 43 Resp: 162033

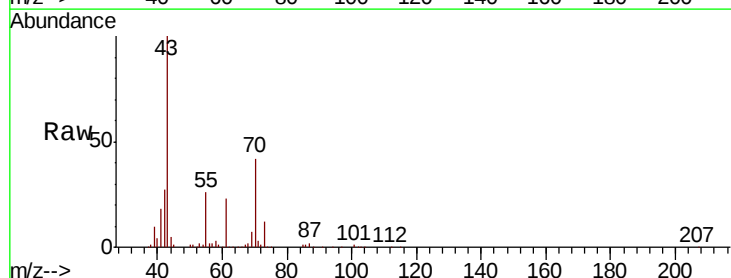
Ion Ratio Lower Upper

43 100

70 41.8 33.4 50.0

55 25.2 19.4 29.0

61 23.4 18.3 27.5



Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

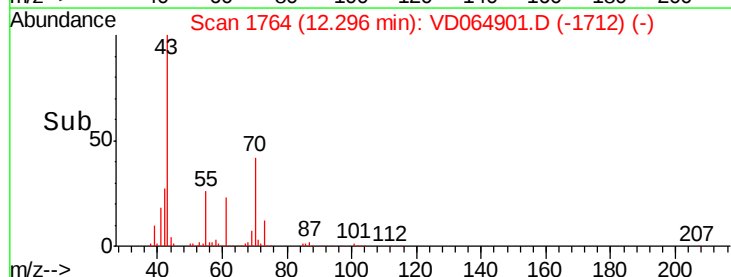
150000

100000

50000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 50.734 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD064901.D

Acq: 21 Jan 2020 09:21

Instrument :

MSVOA_D

ClientSampleId :

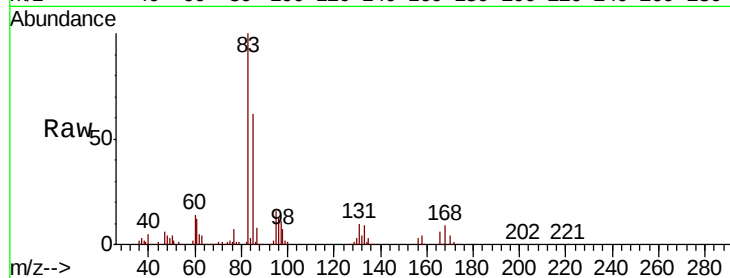
Tot Ion: 83 Resp: 124766

Ion Ratio Lower Upper

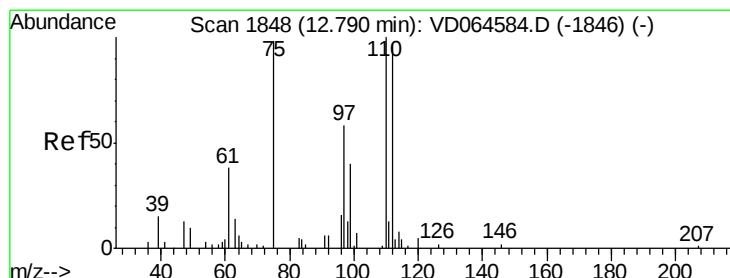
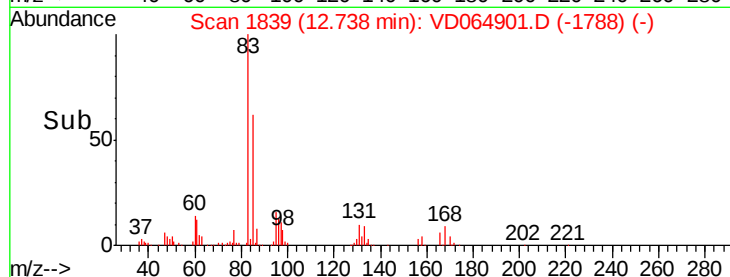
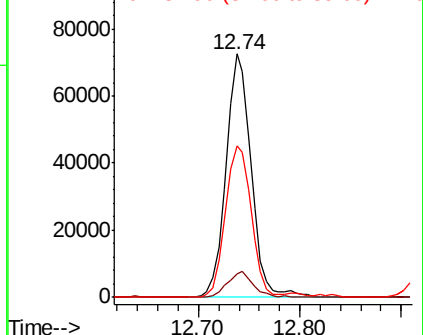
83 100

131 11.0 5.8 17.4

85 64.2 32.3 96.9



Abundance Ion 82.90 (82.60 to 83.60): VDC
Ion 130.80 (130.50 to 131.50): VDC
Ion 84.90 (84.60 to 85.60): VDC



#76

1,2,3-Trichloropropane

Concen: 95.934 ug/l

RT: 12.79 min Scan# 1848

Delta R.T. 0.00 min

Lab File: VD064901.D

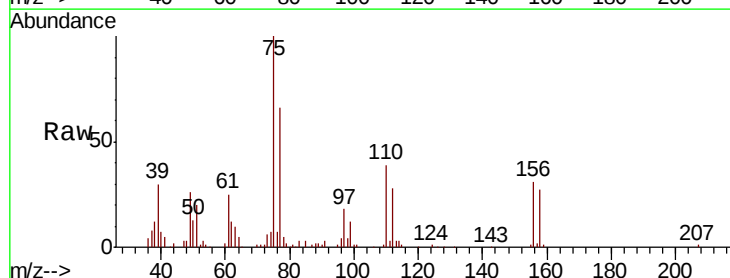
Acq: 21 Jan 2020 09:21

Tgt Ion: 75 Resp: 165953

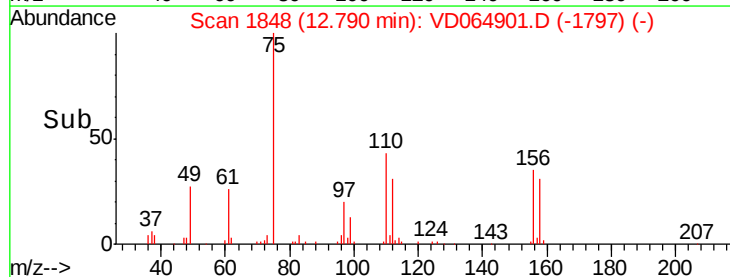
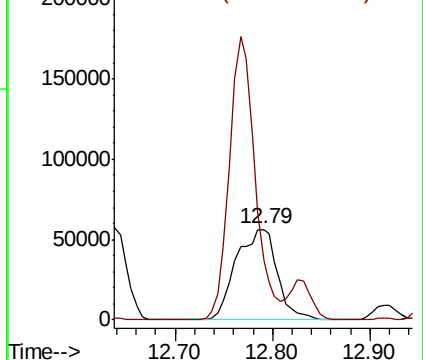
Ion Ratio Lower Upper

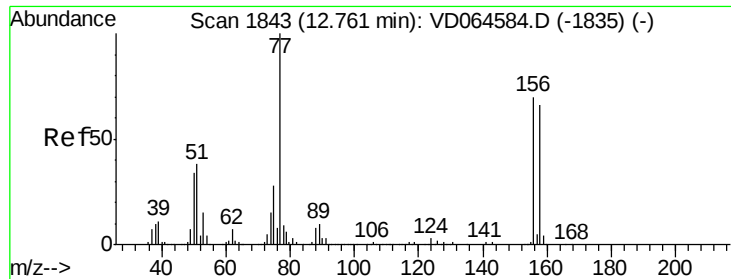
75 100

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: 50.797 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.01 min

Lab File: VD064901.D

Acq: 21 Jan 2020 09:21

Instrument :

MSVOA_D

ClientSampleId :

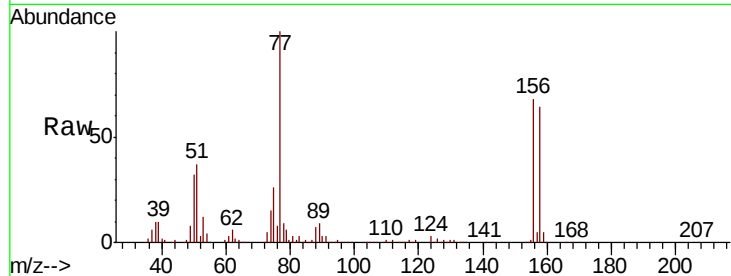
Tot Ion:156 Resp: 195397

Ion Ratio Lower Upper

156 100

77 166.2 80.9 242.7

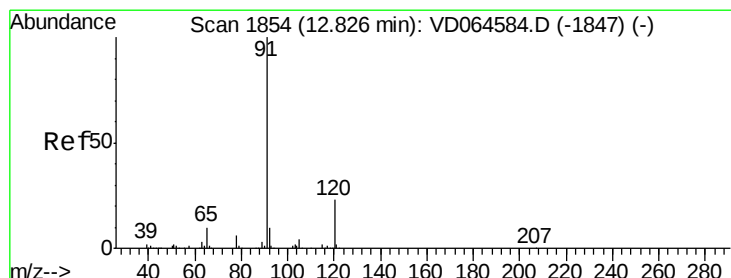
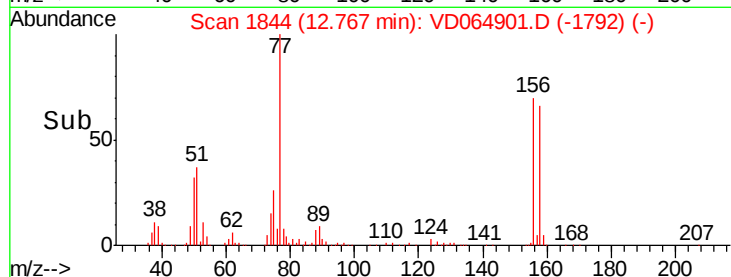
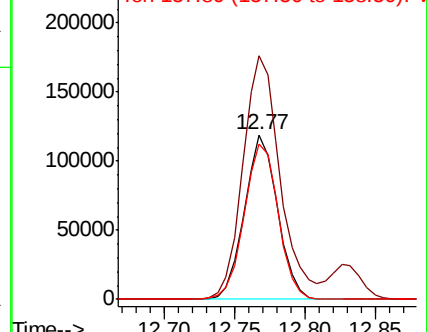
158 97.1 48.0 144.2



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): V

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 54.539 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD064901.D

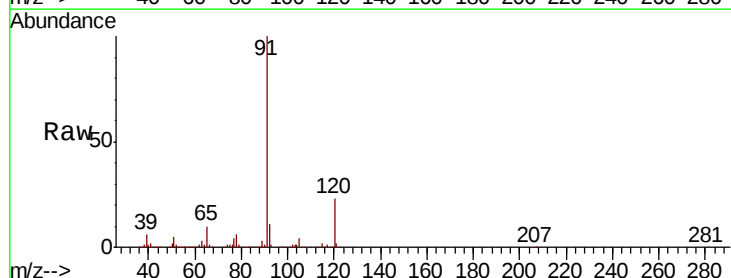
Acq: 21 Jan 2020 09:21

Tgt Ion: 91 Resp: 996057

Ion Ratio Lower Upper

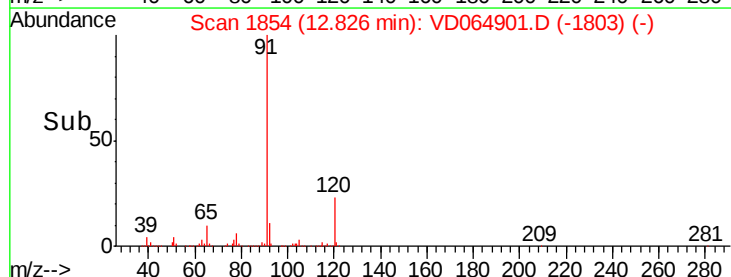
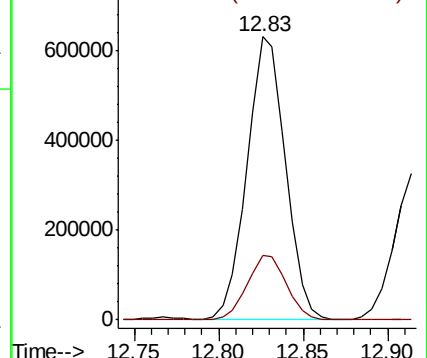
91 100

120 23.3 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: 54.022 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.00 min

Lab File: VD064901.D

Acq: 21 Jan 2020 09:21

Instrument :

MSVOA_D

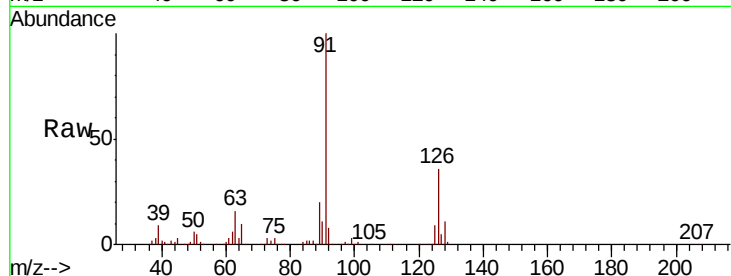
ClientSampleId :

Tot Ion: 91 Resp: 541991

Ion Ratio Lower Upper

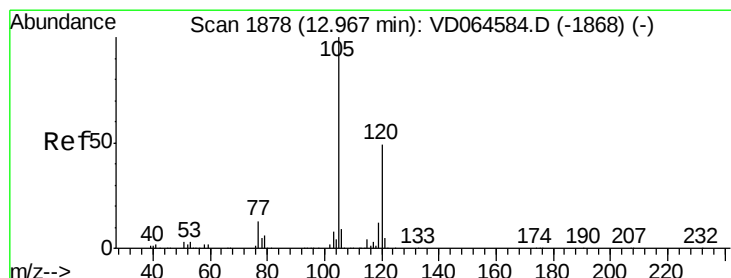
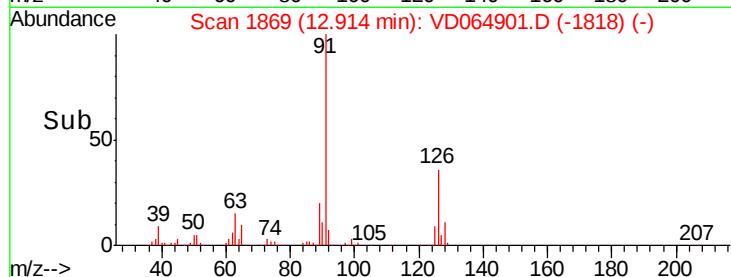
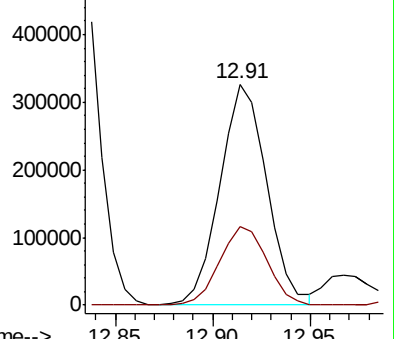
91 100

126 36.0 17.8 53.5



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 53.907 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.00 min

Lab File: VD064901.D

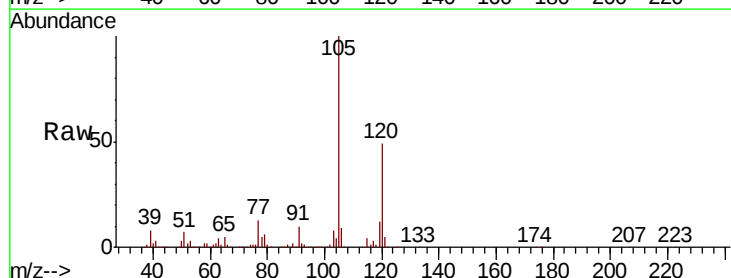
Acq: 21 Jan 2020 09:21

Tgt Ion:105 Resp: 693228

Ion Ratio Lower Upper

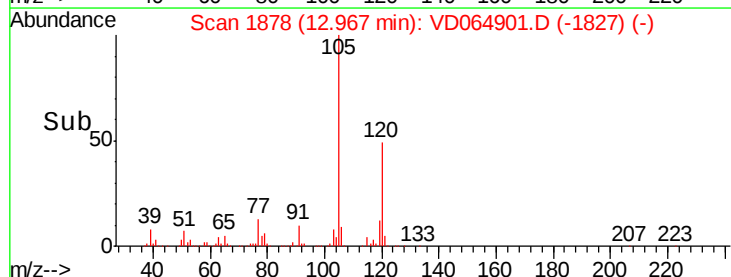
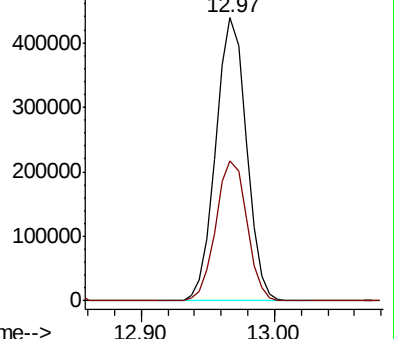
105 100

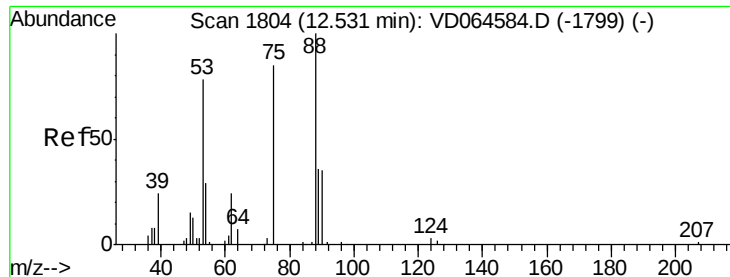
120 50.3 25.0 75.0



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: 49.383 ug/l

RT: 12.54 min Scan# 1805

Delta R.T. 0.01 min

Lab File: VD064901.D

Acq: 21 Jan 2020 09:21

Instrument :

MSVOA_D

ClientSampleId :

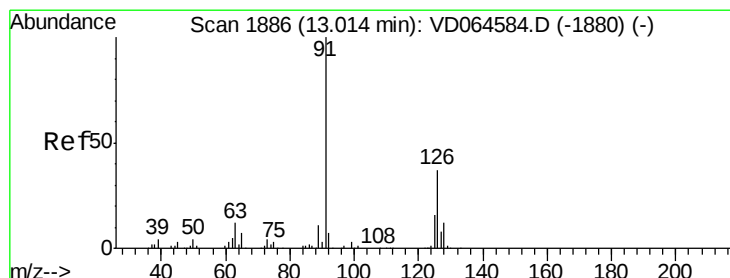
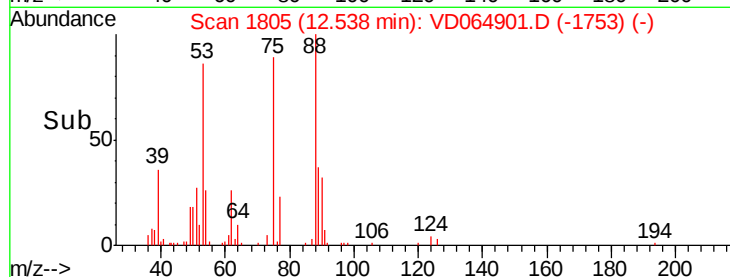
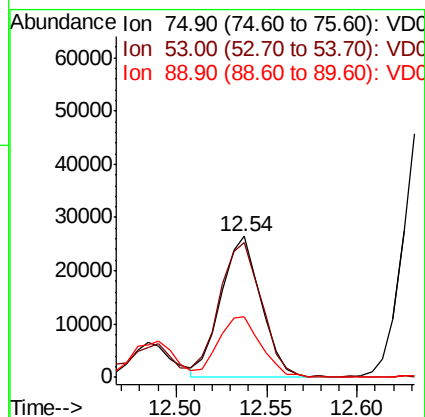
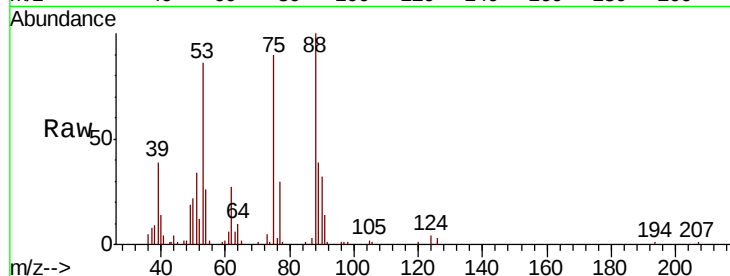
Tot Ion: 75 Resp: 40845

Ion Ratio Lower Upper

75 100

53 101.2 78.8 118.2

89 45.9 38.3 57.5



#82

4-Chlorotoluene

Concen: 53.554 ug/l

RT: 13.01 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VD064901.D

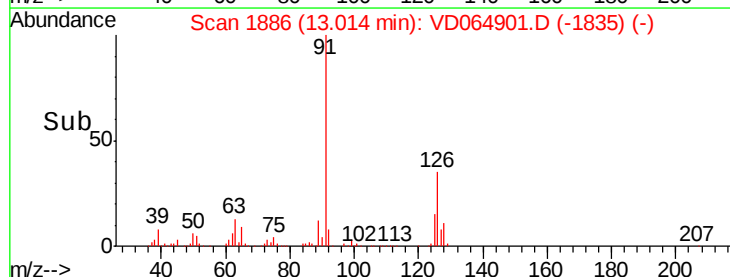
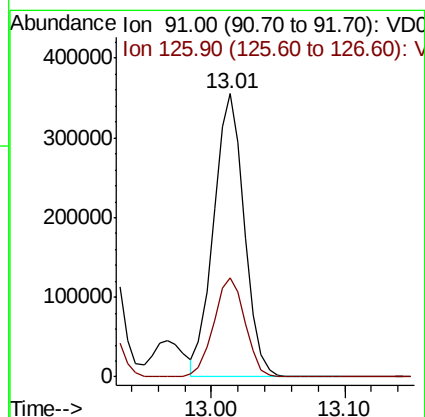
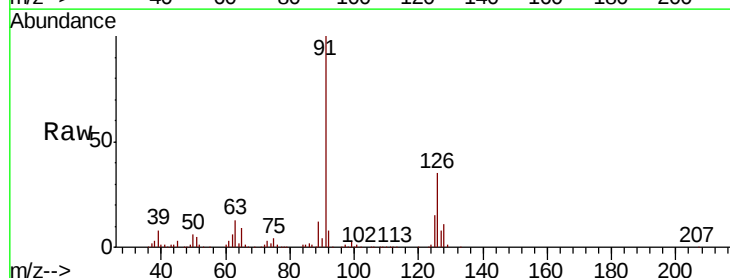
Acq: 21 Jan 2020 09:21

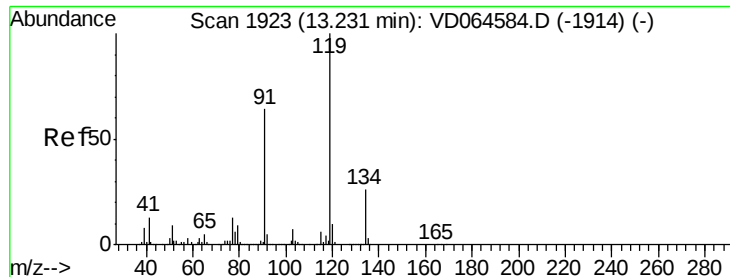
Tgt Ion: 91 Resp: 571781

Ion Ratio Lower Upper

91 100

126 35.8 17.8 53.5

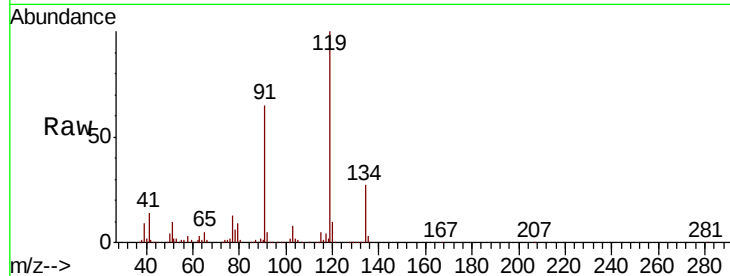




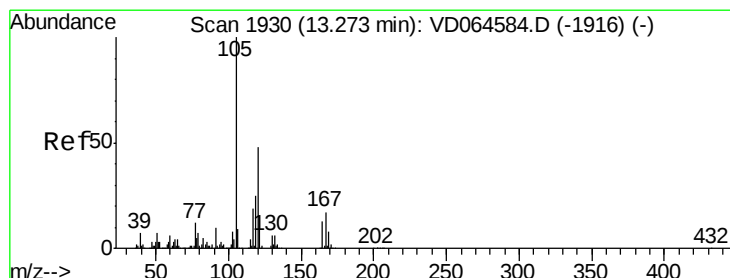
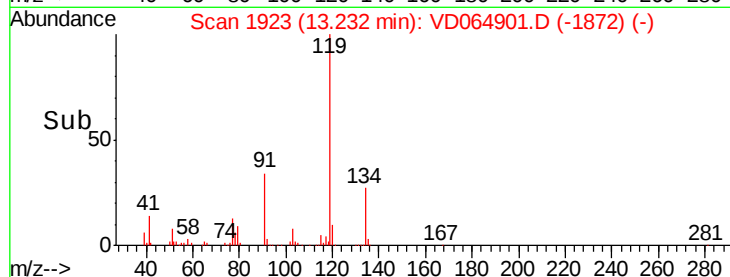
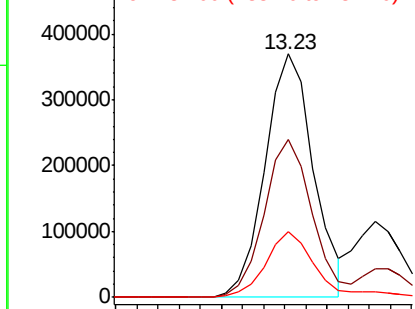
#83
tert-Butylbenzene
Concen: 52.881 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. 0.00 min
Lab File: VD064901.D
Acq: 21 Jan 2020 09:21

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:119 Resp: 590443
Ion Ratio Lower Upper
119 100
91 64.5 30.8 92.4
134 27.9 12.8 38.3

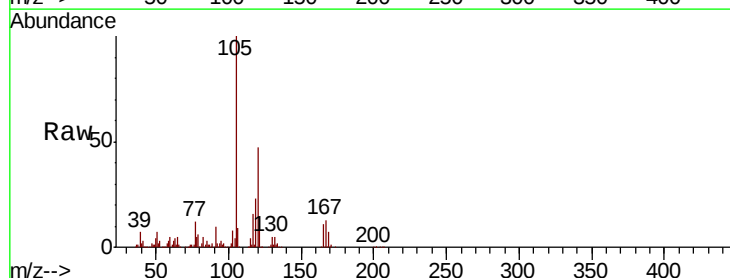


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

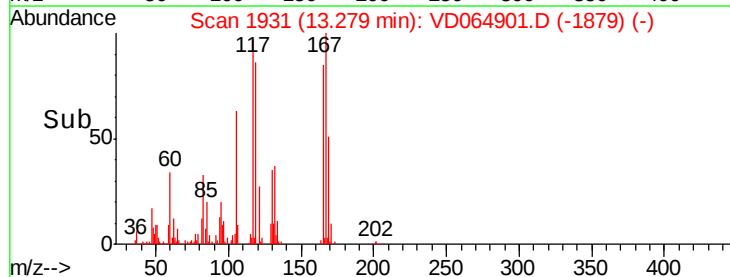
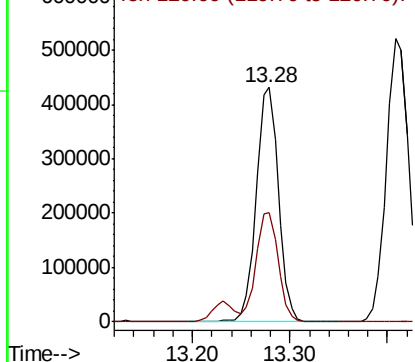


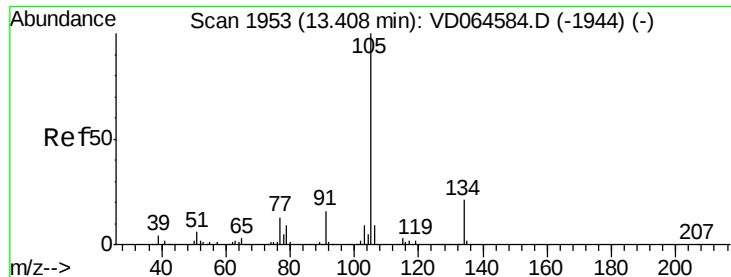
#84
1,2,4-Trimethylbenzene
Concen: 53.737 ug/l
RT: 13.28 min Scan# 1931
Delta R.T. 0.01 min
Lab File: VD064901.D
Acq: 21 Jan 2020 09:21

Tgt Ion:105 Resp: 688237
Ion Ratio Lower Upper
105 100
120 46.3 23.8 71.2



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





#85

sec-Butylbenzene

Concen: 54.442 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.00 min

Lab File: VD064901.D

Acq: 21 Jan 2020 09:21

Instrument :

MSVOA_D

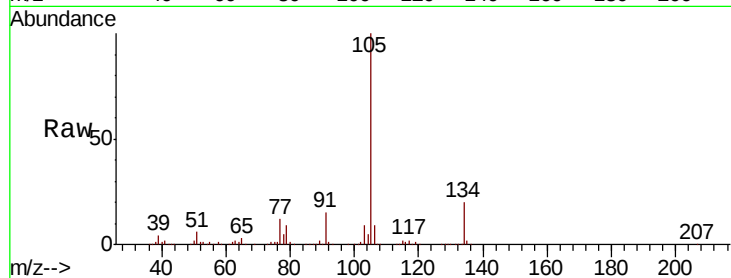
ClientSampled :

Tot Ion:105 Resp: 833355

Ion Ratio Lower Upper

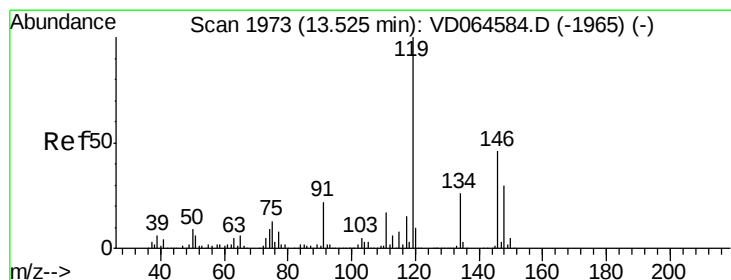
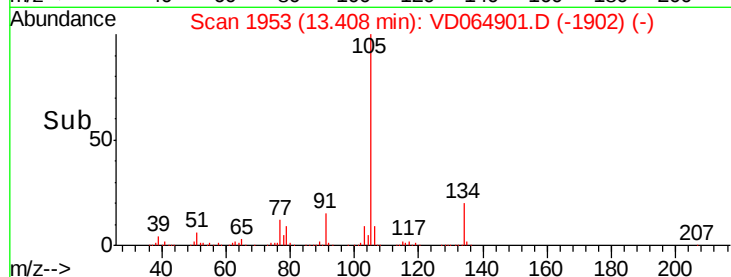
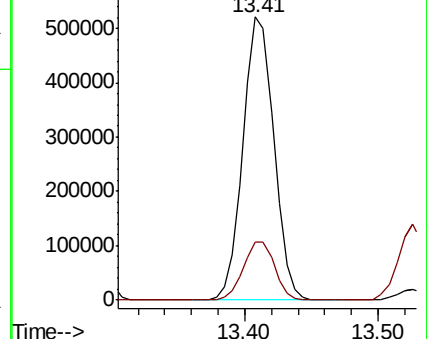
105 100

134 20.8 10.6 31.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 53.206 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VD064901.D

Acq: 21 Jan 2020 09:21

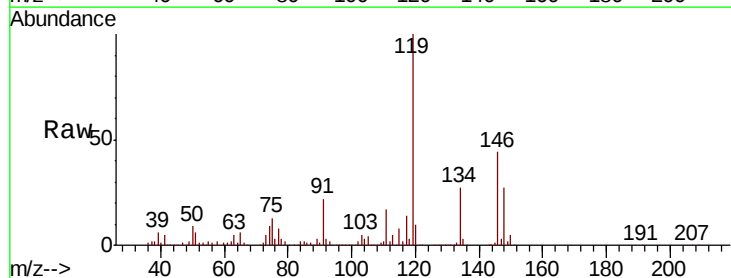
Tgt Ion:119 Resp: 778755

Ion Ratio Lower Upper

119 100

134 26.7 13.4 40.1

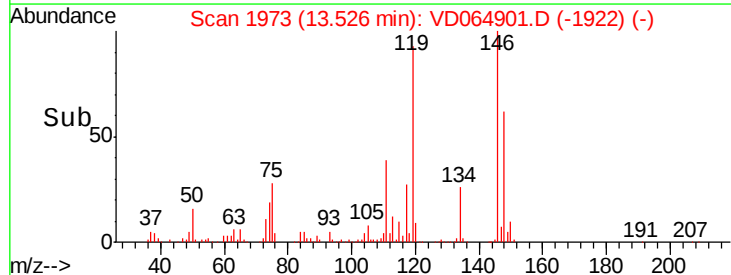
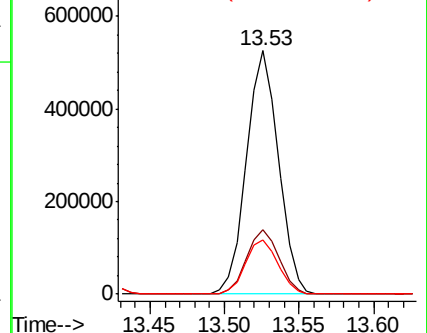
91 22.8 11.2 33.6

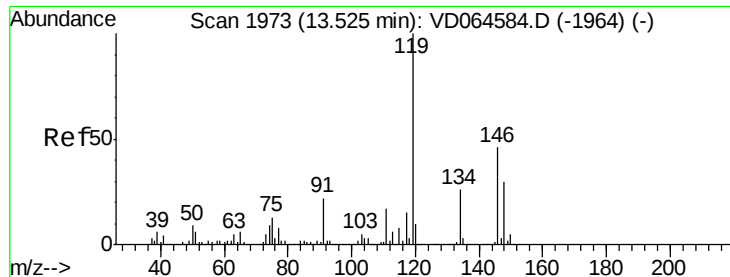


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

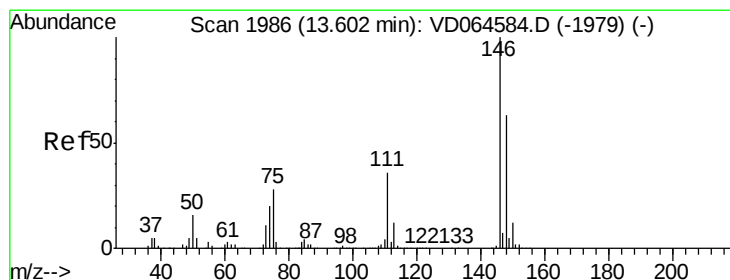
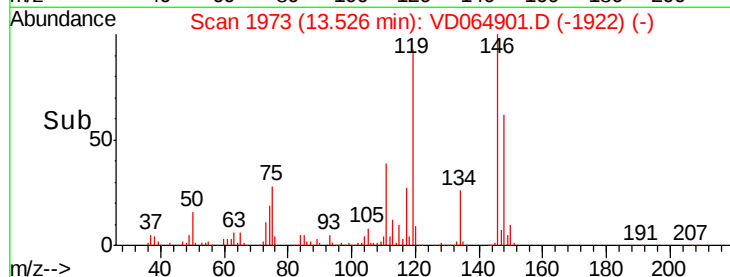
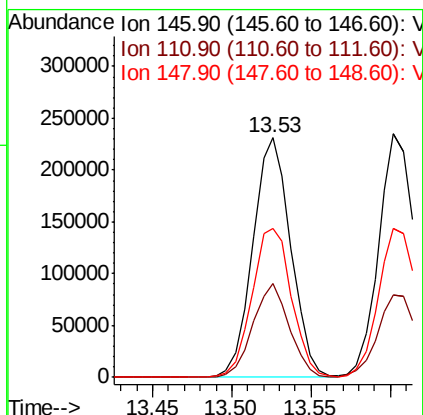
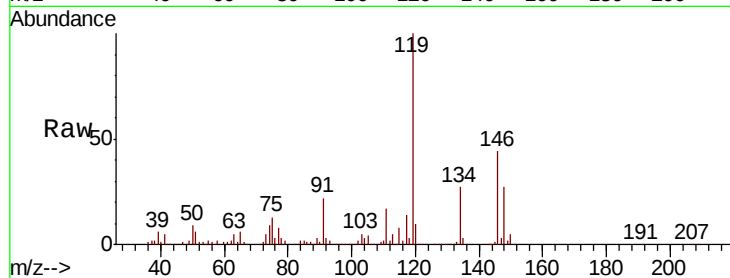




#87
 1,3-Dichlorobenzene
 Concen: 52.311 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.00 min
 Lab File: VD064901.D
 Acq: 21 Jan 2020 09:21

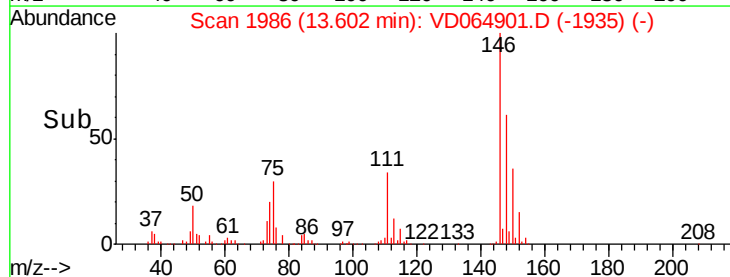
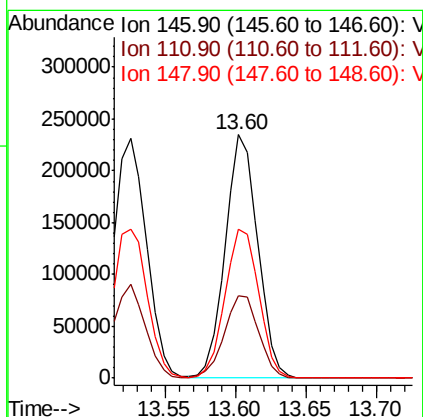
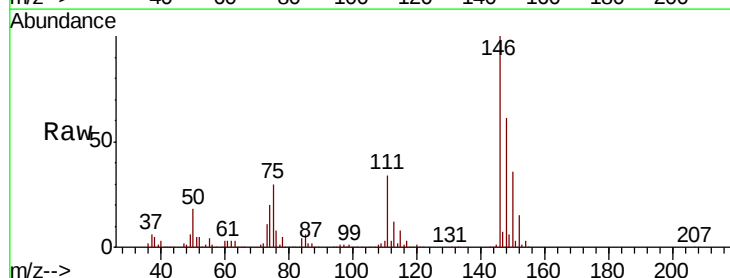
Instrument :
 MSVOA_D
 ClientSampleId :

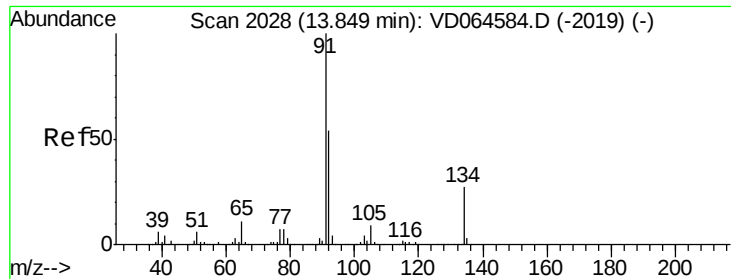
Tot Ion:146 Resp: 383595
 Ion Ratio Lower Upper
 146 100
 111 37.9 18.8 56.4
 148 64.8 32.5 97.5



#88
 1,4-Dichlorobenzene
 Concen: 52.285 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VD064901.D
 Acq: 21 Jan 2020 09:21

Tgt Ion:146 Resp: 376640
 Ion Ratio Lower Upper
 146 100
 111 35.9 18.1 54.1
 148 63.6 32.3 96.9

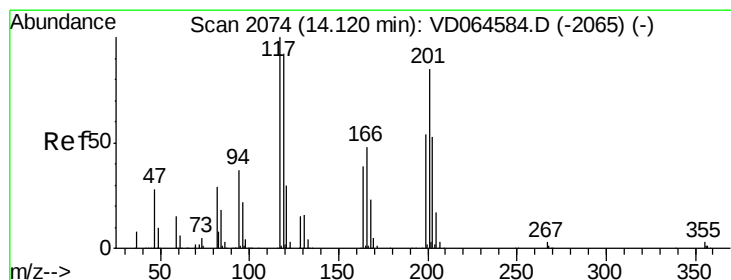
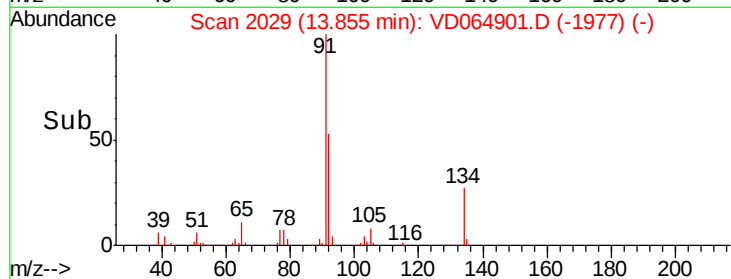
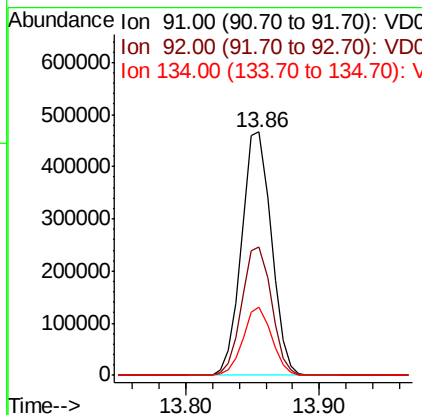
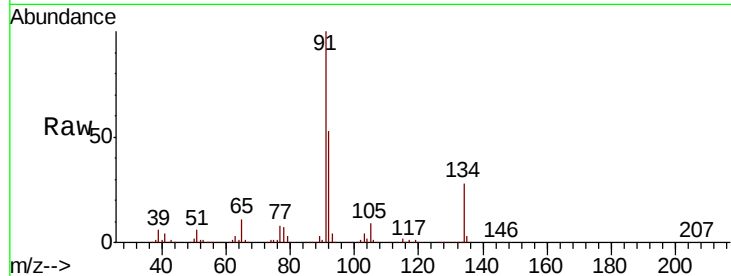




#89
n-Butylbenzene
Concen: 54.568 ug/l
RT: 13.86 min Scan# 2029
Delta R.T. 0.01 min
Lab File: VD064901.D
Acq: 21 Jan 2020 09:21

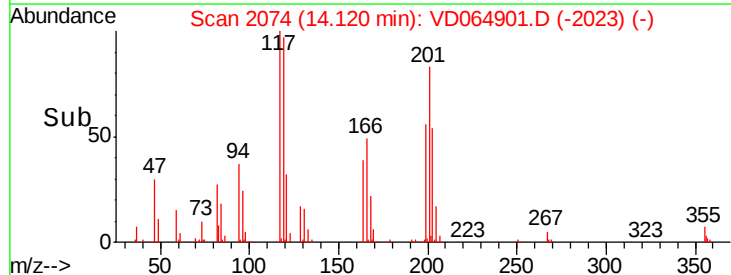
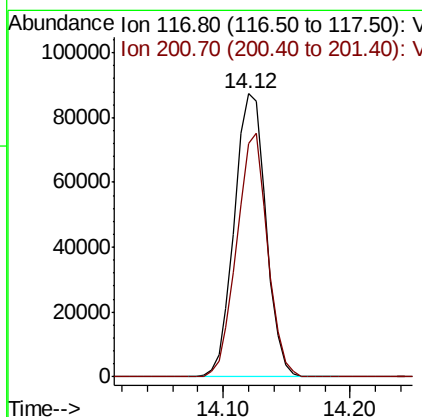
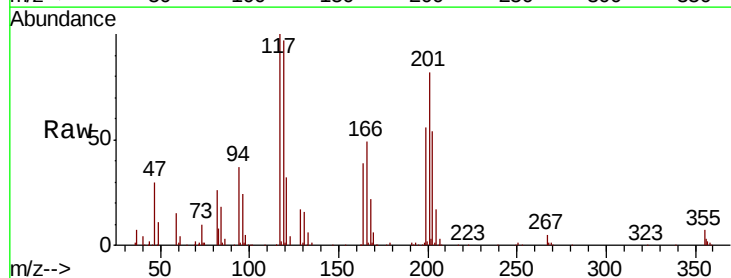
Instrument :
MSVOA_D
ClientSampled :

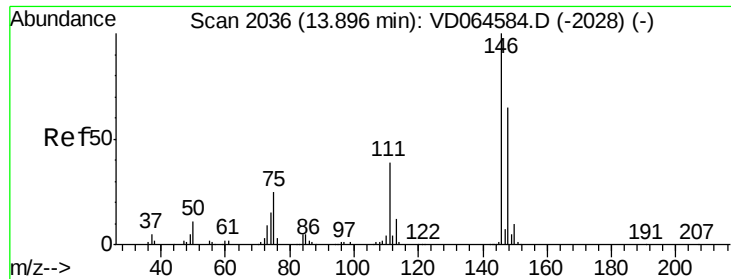
Tot Ion: 91 Resp: 719246
Ion Ratio Lower Upper
91 100
92 52.7 26.8 80.4
134 26.7 14.0 41.9



#90
Hexachloroethane
Concen: 53.793 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.00 min
Lab File: VD064901.D
Acq: 21 Jan 2020 09:21

Tgt Ion: 117 Resp: 150398
Ion Ratio Lower Upper
117 100
201 83.9 44.0 131.8

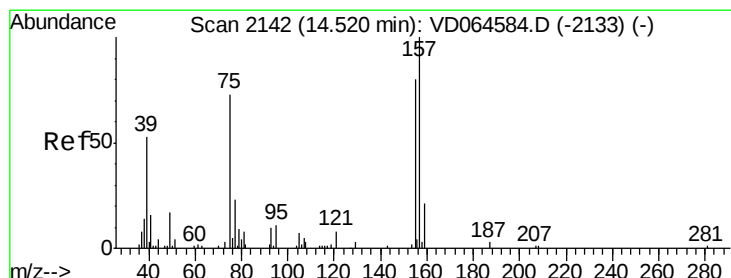
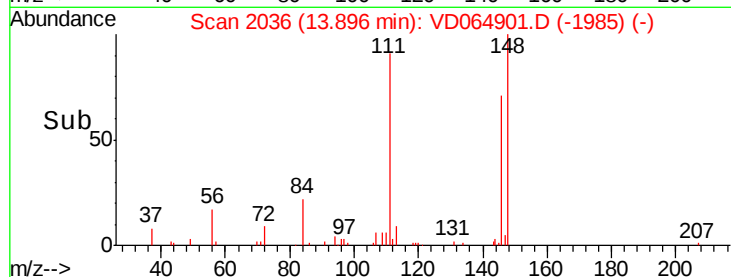
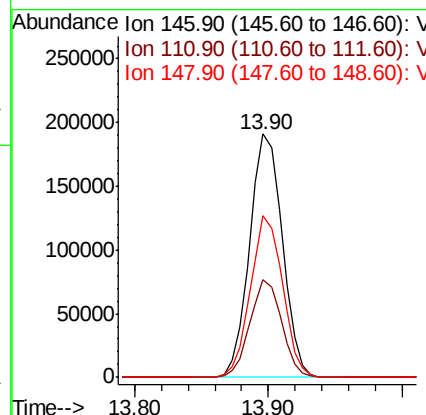
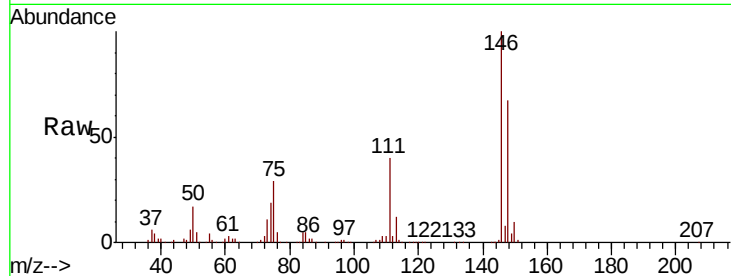




#91
 1,2-Dichlorobenzene
 Concen: 51.626 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. 0.00 min
 Lab File: VD064901.D
 Acq: 21 Jan 2020 09:21

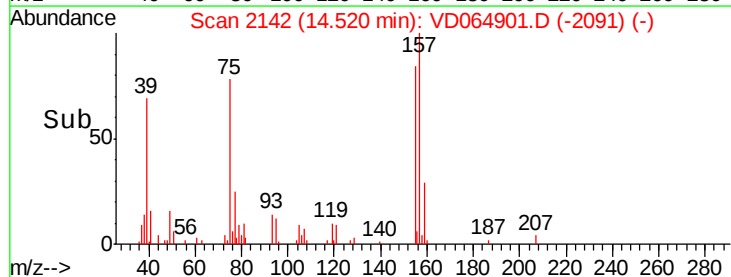
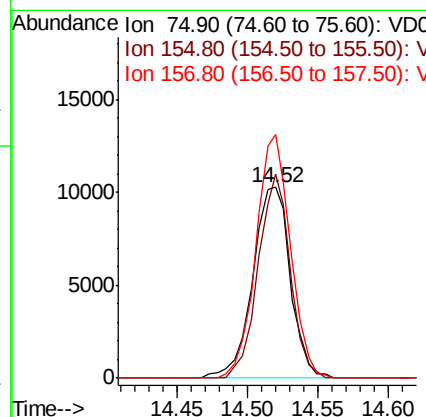
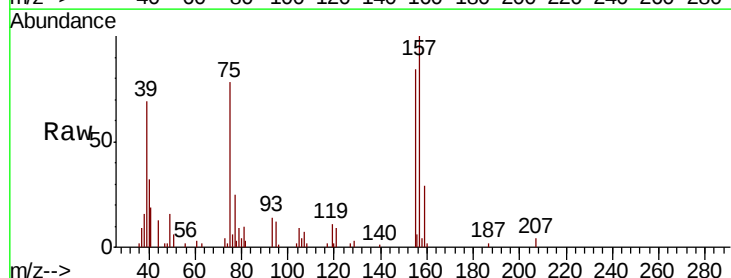
Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion:146 Resp: 322810
 Ion Ratio Lower Upper
 146 100
 111 38.8 19.3 57.9
 148 65.3 31.9 95.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 48.030 ug/l
 RT: 14.52 min Scan# 2142
 Delta R.T. 0.00 min
 Lab File: VD064901.D
 Acq: 21 Jan 2020 09:21

Tgt Ion: 75 Resp: 19148
 Ion Ratio Lower Upper
 75 100
 155 90.9 48.0 144.0
 157 116.9 64.1 192.3

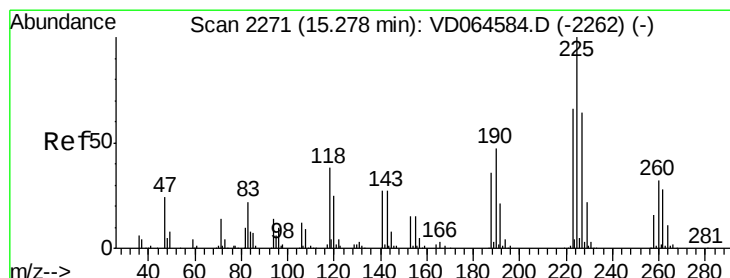
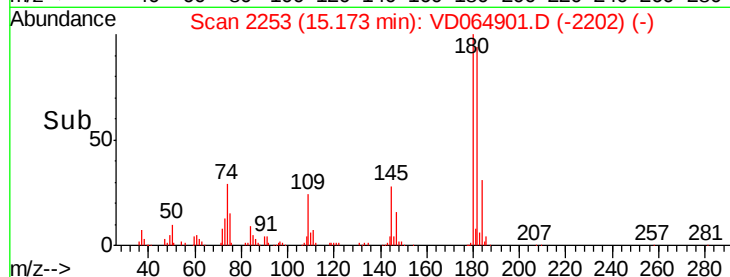
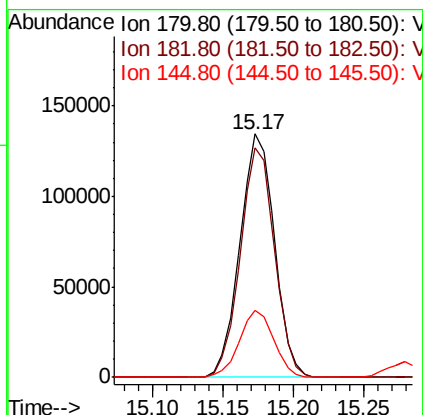
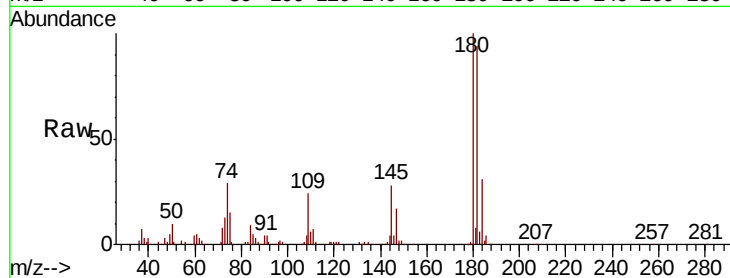




#93
 1,2,4-Trichlorobenzene
 Concen: 50.189 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. 0.00 min
 Lab File: VD064901.D
 Acq: 21 Jan 2020 09:21

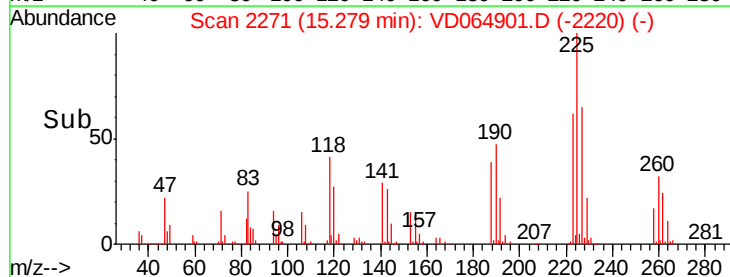
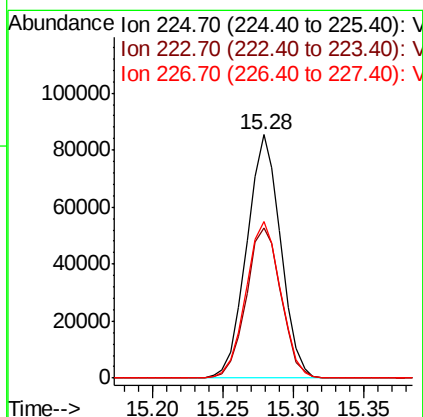
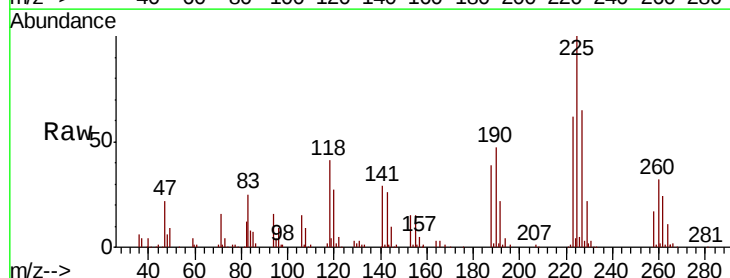
Instrument :
 MSVOA_D
 ClientSampleId :

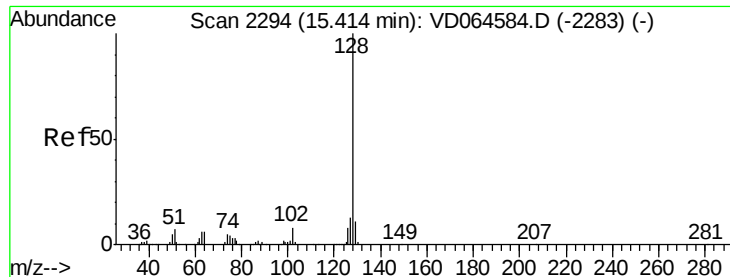
Tot Ion	Ratio	Lower	Upper
180	100		
182	93.3	48.0	144.2
145	27.5	13.8	41.4



#94
 Hexachlorobutadiene
 Concen: 49.675 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.00 min
 Lab File: VD064901.D
 Acq: 21 Jan 2020 09:21

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.2	31.1	93.2
227	65.5	30.9	92.7

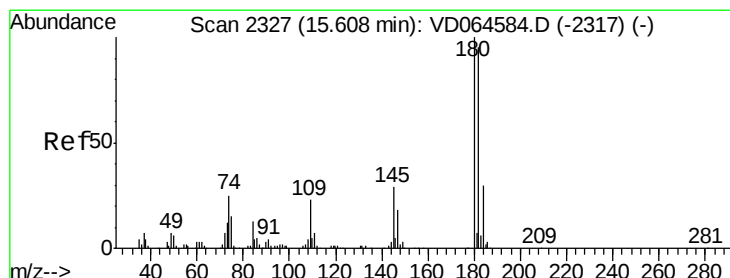
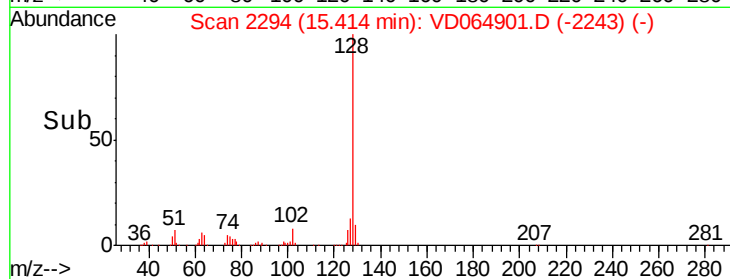
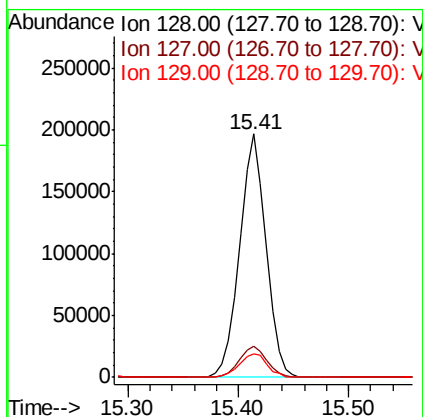
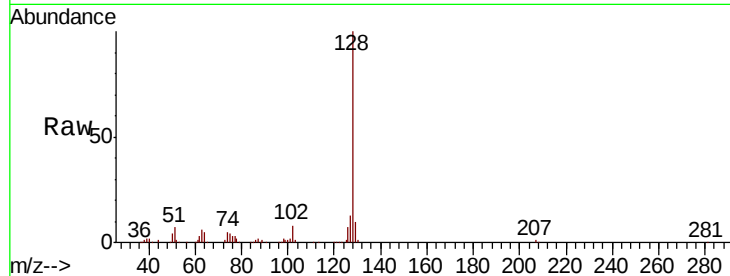




#95
Naphthalene
Concen: 45.429 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. 0.00 min
Lab File: VD064901.D
Acq: 21 Jan 2020 09:21

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:128 Resp: 330888
Ion Ratio Lower Upper
128 100
127 13.4 10.3 15.5
129 10.4 8.5 12.7



#96
1,2,3-Trichlorobenzene
Concen: 47.609 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. 0.00 min
Lab File: VD064901.D
Acq: 21 Jan 2020 09:21

Tgt Ion:180 Resp: 187125
Ion Ratio Lower Upper
180 100
182 97.1 47.9 143.7
145 30.0 14.9 44.7

