

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD103119\
 Data File : VD064144.D
 Acq On : 31 Oct 2019 21:34
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Nov 01 06:07:11 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D102919S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 30 08:00:10 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.99	168	203621	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	320642	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	321976	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	183637	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	85706	52.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.84%	
35) Dibromofluoromethane	7.92	113	98962	50.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.34%	
50) Toluene-d8	10.34	98	384419	48.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.46%	
62) 4-Bromofluorobenzene	12.64	95	135839	51.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.88%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	93926	45.174	ug/l	97
3) Chloromethane	2.21	50	165939	47.833	ug/l	97
4) Vinyl Chloride	2.35	62	176791	46.994	ug/l	98
5) Bromomethane	2.77	94	127337	51.938	ug/l	97
6) Chloroethane	2.93	64	117688	50.367	ug/l	90
7) Trichlorofluoromethane	3.27	101	239831	46.310	ug/l	95
8) Diethyl Ether	3.70	74	46349	51.488	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.09	101	89426	47.916	ug/l	99
10) Methyl Iodide	4.30	142	127041	54.943	ug/l	100
11) Tert butyl alcohol	5.24	59	11084	122.194	ug/l #	63
12) 1,1-Dichloroethene	4.06	96	85195	48.233	ug/l	89
13) Acrolein	3.93	56	19530	189.140	ug/l	90
14) Allyl chloride	4.71	41	108191	52.333	ug/l	99
15) Acrylonitrile	5.43	53	88462	266.039	ug/l	99
16) Acetone	4.17	43	74342	241.273	ug/l	97
17) Carbon Disulfide	4.40	76	268948	49.549	ug/l	99
18) Methyl Acetate	4.73	43	49321	60.176	ug/l	96
19) Methyl tert-butyl Ether	5.49	73	191477	53.423	ug/l #	88
20) Methylene Chloride	4.97	84	113584	58.391	ug/l	91
21) trans-1,2-Dichloroethene	5.47	96	106224	53.573	ug/l	96
22) Diisopropyl ether	6.37	45	250009	54.605	ug/l	96
23) Vinyl Acetate	6.31	43	679615	270.795	ug/l	96
24) 1,1-Dichloroethane	6.27	63	161385	52.198	ug/l	97
25) 2-Butanone	7.23	43	103835	243.761	ug/l	98
26) 2,2-Dichloropropane	7.21	77	134819	45.943	ug/l	96
27) cis-1,2-Dichloroethene	7.21	96	120204	54.178	ug/l	97
28) Bromochloromethane	7.55	49	66416	54.880	ug/l	97
29) Tetrahydrofuran	7.57	42	66533	267.627	ug/l	95
30) Chloroform	7.71	83	189678	53.613	ug/l	97
31) Cyclohexane	7.99	56	130441	43.305	ug/l	99
32) 1,1,1-Trichloroethane	7.91	97	166979	50.703	ug/l	97
36) 1,1-Dichloropropene	8.11	75	136638	45.478	ug/l	98
37) Ethyl Acetate	7.30	43	44122	47.710	ug/l #	90
38) Carbon Tetrachloride	8.10	117	151949	46.353	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	160905	43.627	ug/l	95
40) Benzene	8.36	78	408739	49.888	ug/l	99
41) Methacrylonitrile	7.53	41	28604	53.597	ug/l	92
42) 1,2-Dichloroethane	8.43	62	108886	50.312	ug/l	98
43) Isopropyl Acetate	8.46	43	90515	48.431	ug/l	96
44) Trichloroethene	9.11	130	123423	49.702	ug/l	90
45) 1,2-Dichloropropane	9.40	63	93355	49.166	ug/l	98
46) Dibromomethane	9.48	93	60357	52.780	ug/l	98
47) Bromodichloromethane	9.67	83	149680	51.883	ug/l #	98
48) Methyl methacrylate	9.46	41	45069	52.146	ug/l	96
49) 1,4-Dioxane	9.48	88	14944	1141.630	ug/l #	92
51) 4-Methyl-2-Pentanone	10.24	43	261383	256.898	ug/l	100
52) Toluene	10.41	92	295546	51.473	ug/l	96
53) t-1,3-Dichloropropene	10.63	75	137923	51.215	ug/l	88
54) cis-1,3-Dichloropropene	10.10	75	161230	50.888	ug/l	96
55) 1,1,2-Trichloroethane	10.81	97	82388	50.815	ug/l	95
56) Ethyl methacrylate	10.67	69	92055	46.912	ug/l	97
57) 1,3-Dichloropropane	10.96	76	135890	50.678	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.95	63	198708	279.745	ug/l	97
59) 2-Hexanone	10.99	43	182588	229.688	ug/l	99
60) Dibromochloromethane	11.14	129	115191	52.345	ug/l	99
61) 1,2-Dibromoethane	11.25	107	81668	50.363	ug/l	95
64) Tetrachloroethene	10.88	164	116676	50.442	ug/l	96
65) Chlorobenzene	11.67	112	342455	51.476	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.75	131	125574	50.445	ug/l	98
67) Ethyl Benzene	11.75	91	592795	50.097	ug/l	98
68) m/p-Xylenes	11.86	106	476869	100.192	ug/l	100
69) o-Xylene	12.18	106	220789	50.830	ug/l	98
70) Styrene	12.20	104	390704	52.153	ug/l	98
71) Bromoform	12.37	173	70889	53.321	ug/l #	100
73) Isopropylbenzene	12.48	105	592574	46.437	ug/l	98
74) N-amyl acetate	12.30	43	103207	48.683	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	96275	47.865	ug/l	100
76) 1,2,3-Trichloropropane	12.79	75	116814	94.668	ug/l #	100
77) Bromobenzene	12.77	156	151721	49.243	ug/l	99
78) n-propylbenzene	12.83	91	706086	47.216	ug/l	99
79) 2-Chlorotoluene	12.91	91	390588	48.724	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	522980	48.969	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.54	75	27709	45.860	ug/l	98
82) 4-Chlorotoluene	13.01	91	415129	48.465	ug/l	99
83) tert-Butylbenzene	13.23	119	460511	48.008	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	539529	50.289	ug/l	100
85) sec-Butylbenzene	13.41	105	614735	46.666	ug/l	98
86) p-Isopropyltoluene	13.52	119	606988	49.041	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	312536	50.618	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	308114	50.622	ug/l	99
89) n-Butylbenzene	13.85	91	548454	48.042	ug/l	98
90) Hexachloroethane	14.12	117	112630	48.604	ug/l	99
91) 1,2-Dichlorobenzene	13.90	146	267962	50.428	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	14384	48.966	ug/l	90

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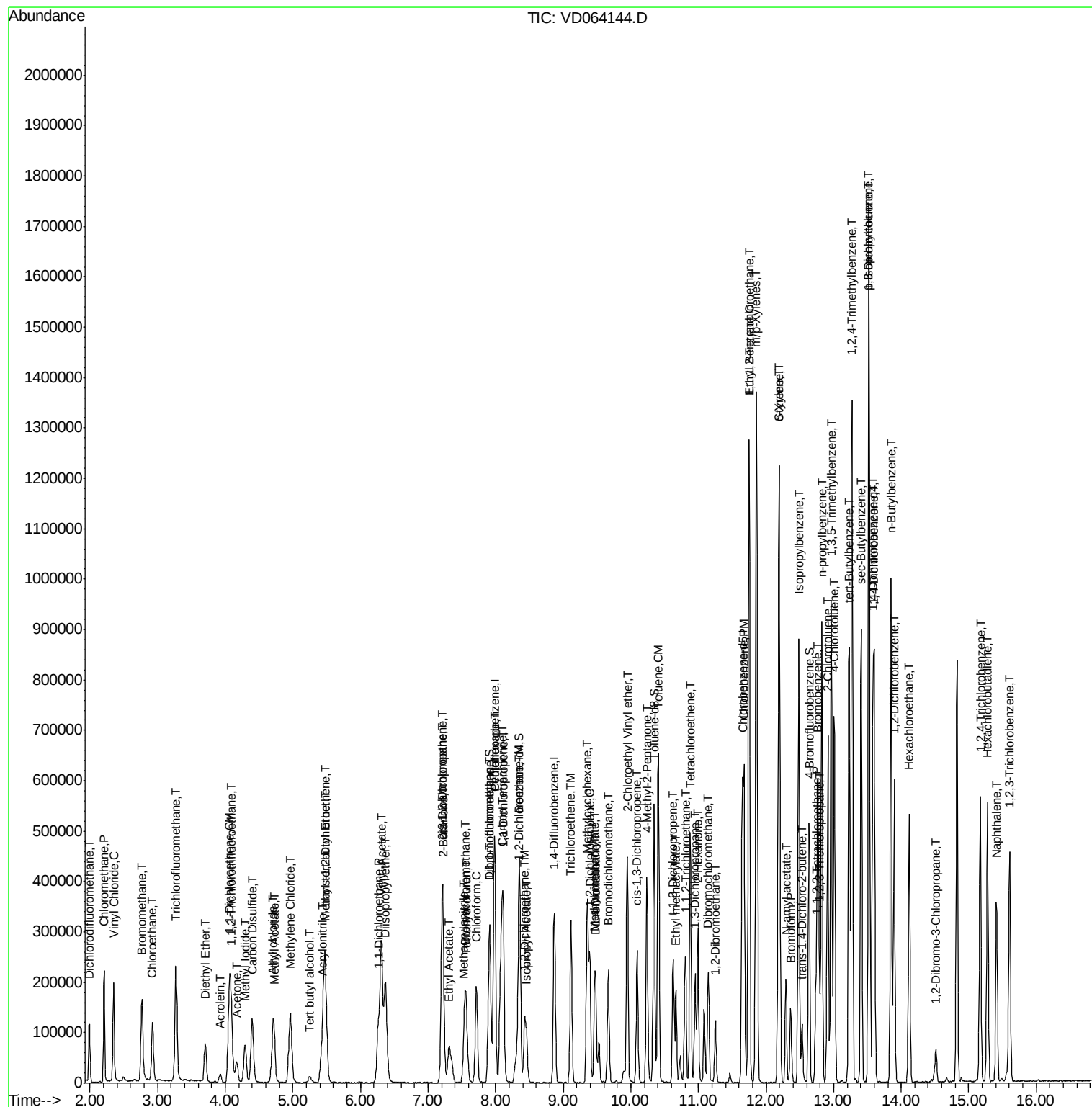
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	192332	50.354	ug/l	98
94) Hexachlorobutadiene	15.28	225	108274	48.502	ug/l	98
95) Naphthalene	15.41	128	323126	51.872	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	167068	50.497	ug/l	98

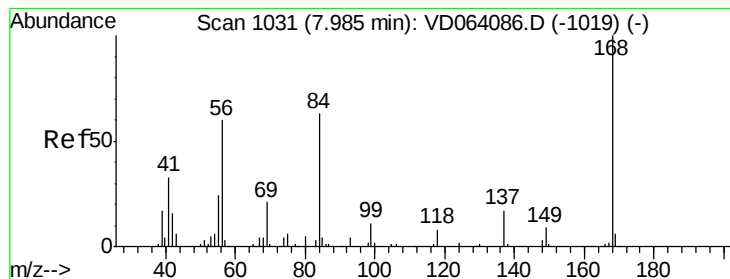
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD064144.D

Acq: 31 Oct 2019 21:34

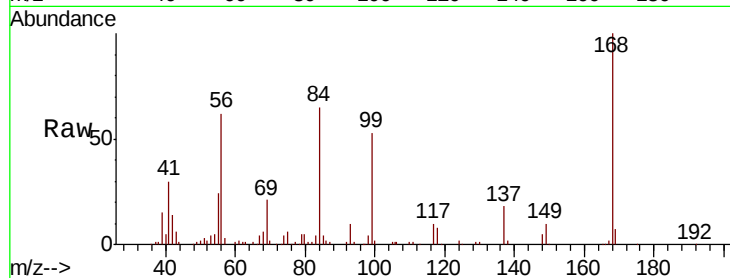
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 203621

Ion Ratio Lower Upper

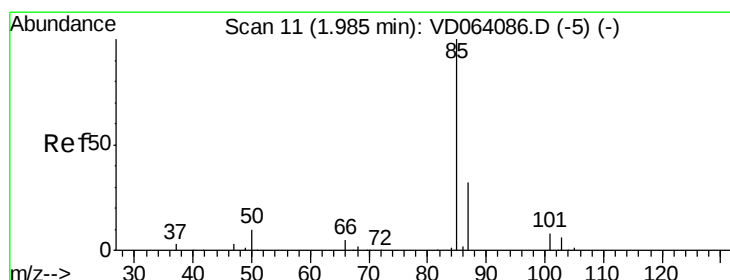
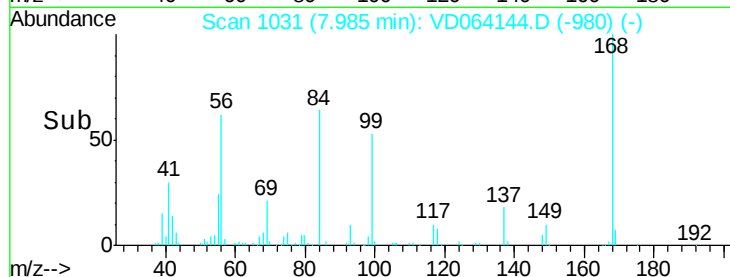
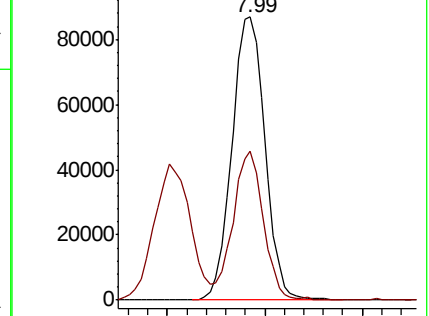
168 100

99 52.5 37.6 56.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 45.174 ug/l

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD064144.D

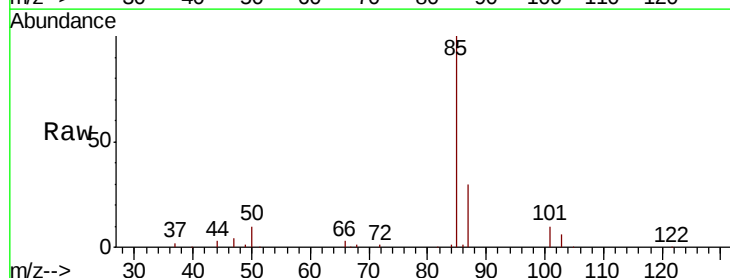
Acq: 31 Oct 2019 21:34

Tgt Ion: 85 Resp: 93926

Ion Ratio Lower Upper

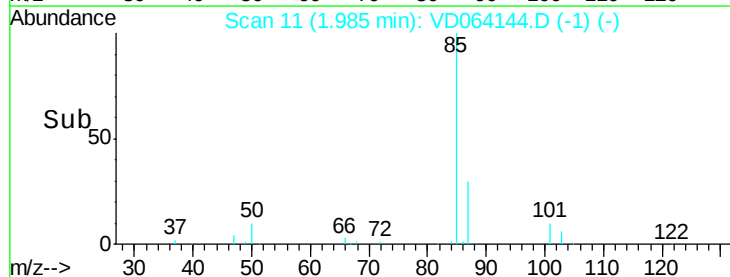
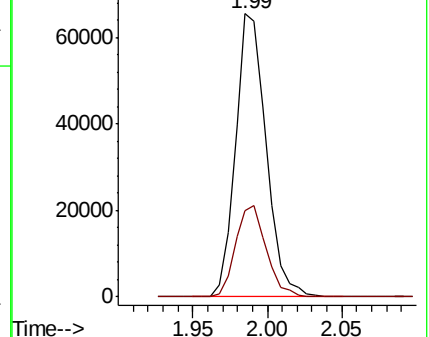
85 100

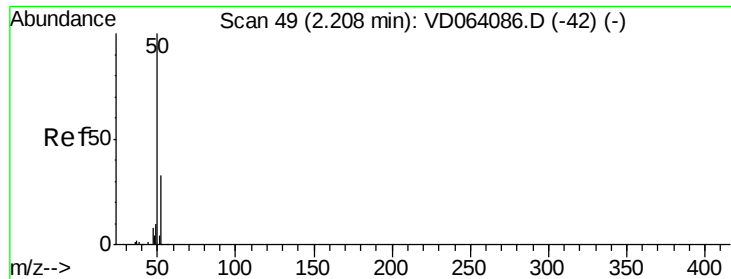
87 30.3 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 47.833 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD064144.D

Acq: 31 Oct 2019 21:34

Instrument :

MSVOA_D

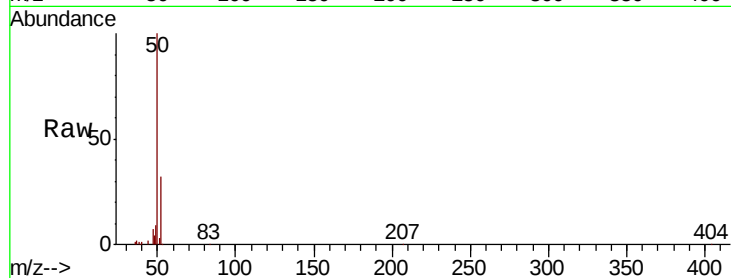
ClientSampleId :

Tot Ion: 50 Resp: 165939

Ion Ratio Lower Upper

50 100

52 31.6 26.5 39.7



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

2.21

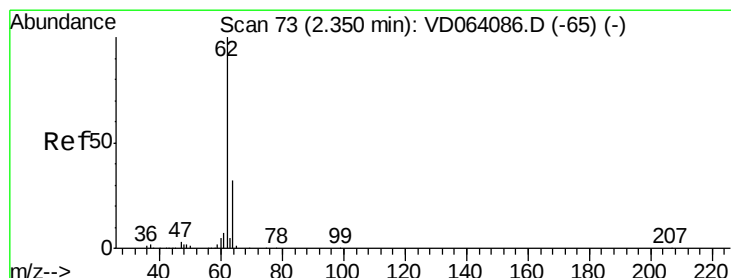
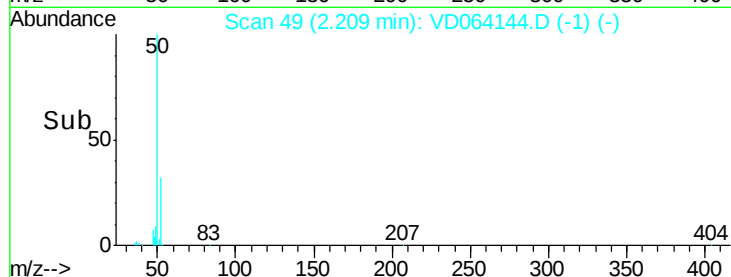
150000

100000

50000

0

Time-->



#4

Vinyl Chloride

Concen: 46.994 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD064144.D

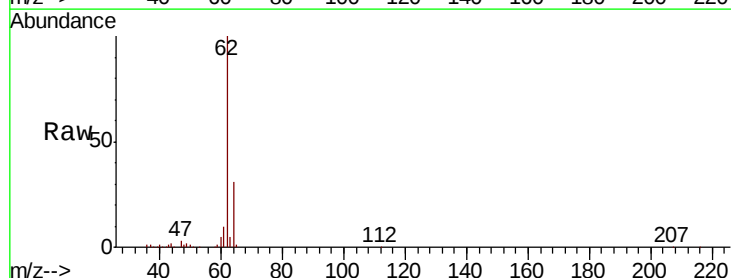
Acq: 31 Oct 2019 21:34

Tgt Ion: 62 Resp: 176791

Ion Ratio Lower Upper

62 100

64 30.8 25.6 38.4



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC

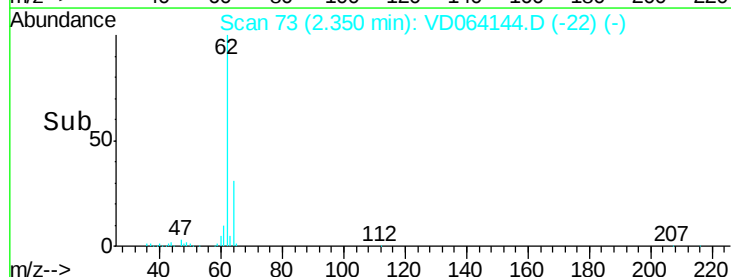
2.35

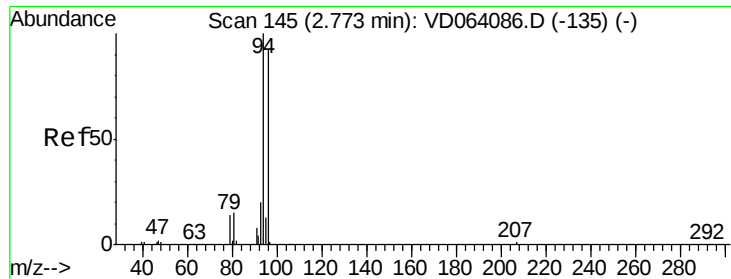
100000

50000

0

Time-->





#5

Bromomethane

Concen: 51.938 ug/l

RT: 2.77 min Scan# 144

Delta R.T. -0.01 min

Lab File: VD064144.D

Acq: 31 Oct 2019 21:34

Instrument :

MSVOA_D

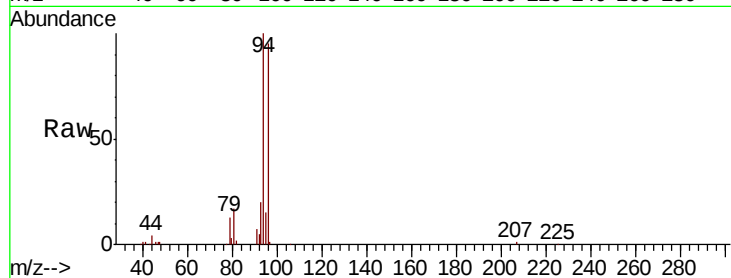
ClientSampleId :

Tot Ion: 94 Resp: 127337

Ion Ratio Lower Upper

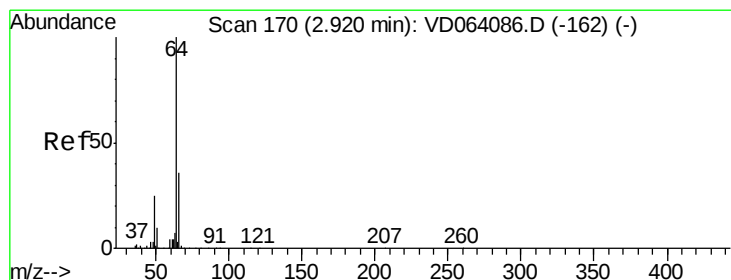
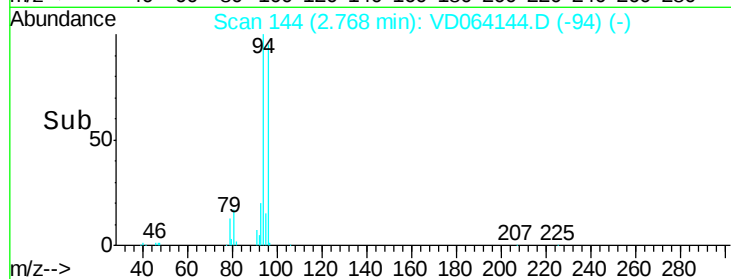
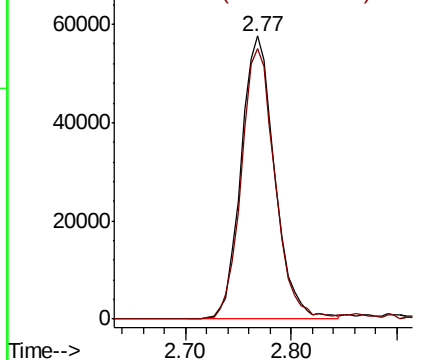
94 100

96 95.4 73.9 110.9



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 50.367 ug/l

RT: 2.93 min Scan# 171

Delta R.T. 0.01 min

Lab File: VD064144.D

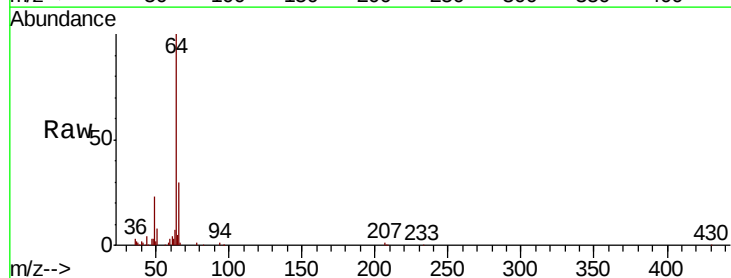
Acq: 31 Oct 2019 21:34

Tgt Ion: 64 Resp: 117688

Ion Ratio Lower Upper

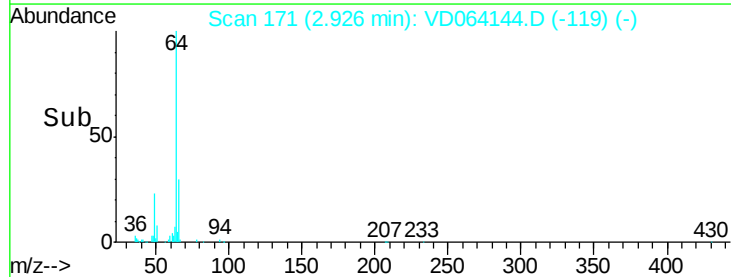
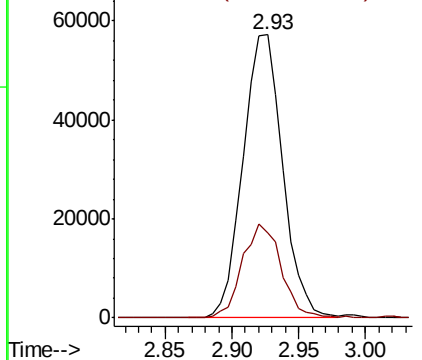
64 100

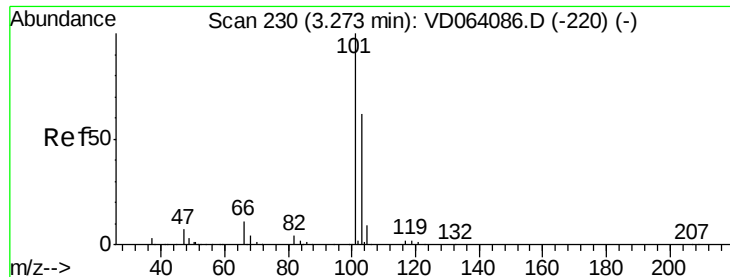
66 30.0 28.7 43.1



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC



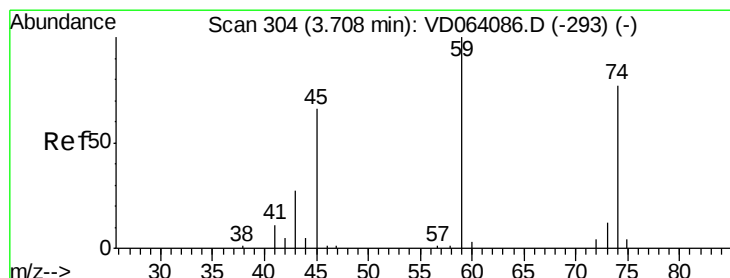
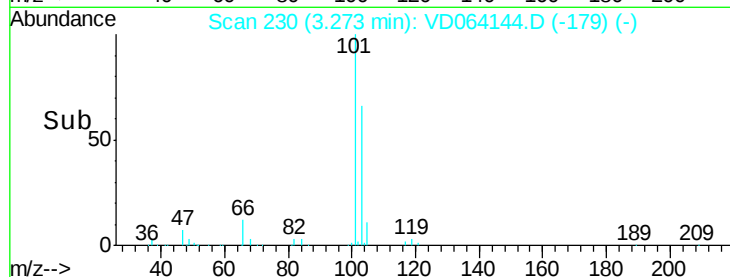
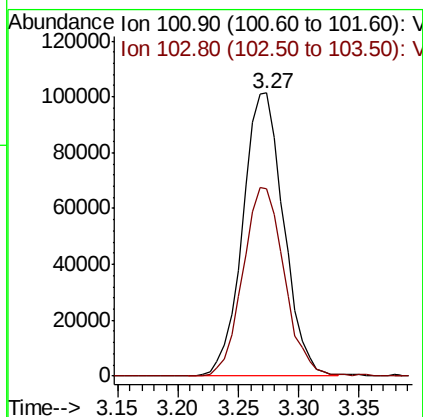
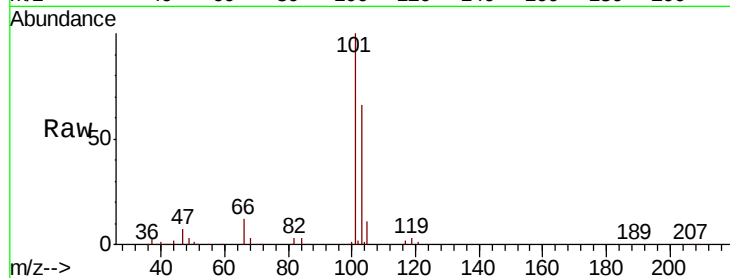


#7

Trichlorofluoromethane
Concen: 46.310 ug/l
RT: 3.27 min Scan# 230
Delta R.T. 0.00 min
Lab File: VD064144.D
Acq: 31 Oct 2019 21:34

Instrument :
MSVOA_D
ClientSampleId :

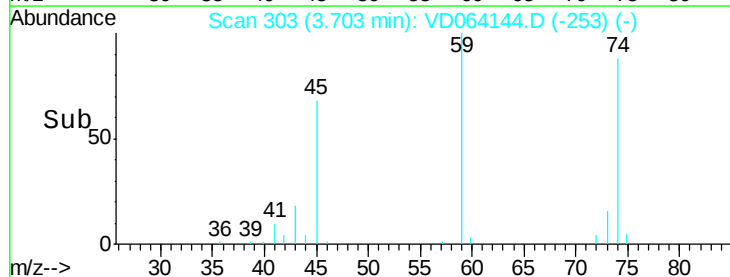
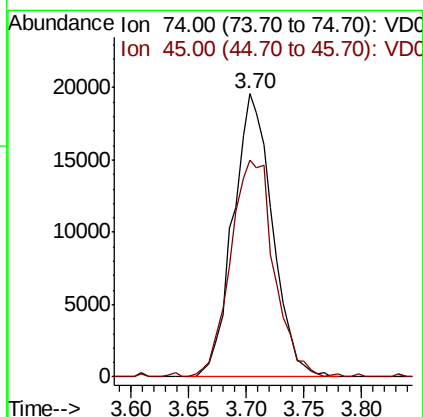
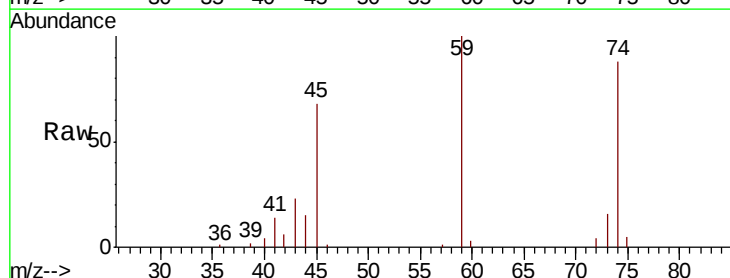
Tot Ion:101 Resp: 239831
Ion Ratio Lower Upper
101 100
103 66.2 49.6 74.4

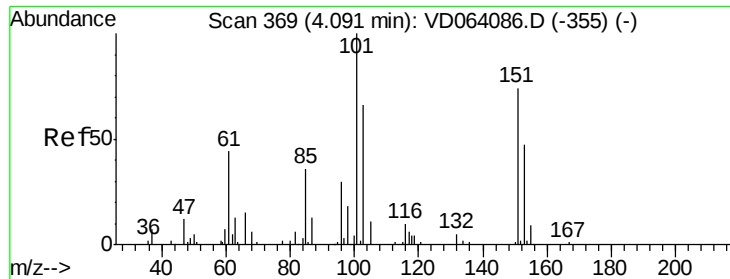


#8

Diethyl Ether
Concen: 51.488 ug/l
RT: 3.70 min Scan# 303
Delta R.T. -0.01 min
Lab File: VD064144.D
Acq: 31 Oct 2019 21:34

Tgt Ion: 74 Resp: 46349
Ion Ratio Lower Upper
74 100
45 84.3 44.1 132.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.916 ug/l

RT: 4.09 min Scan# 369

Delta R.T. 0.00 min

Lab File: VD064144.D

Acq: 31 Oct 2019 21:34

Instrument :

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ClientSampleId :

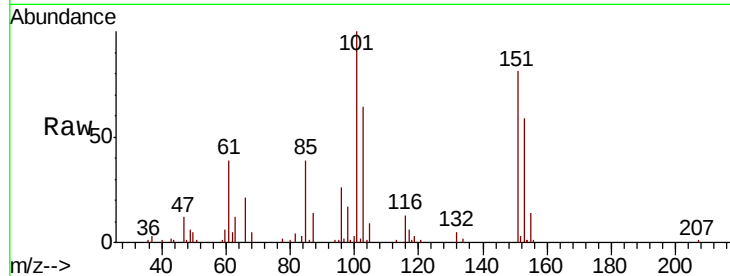
Tot Ion:101 Resp: 89426

Ion Ratio Lower Upper

101 100

85 44.8 35.3 52.9

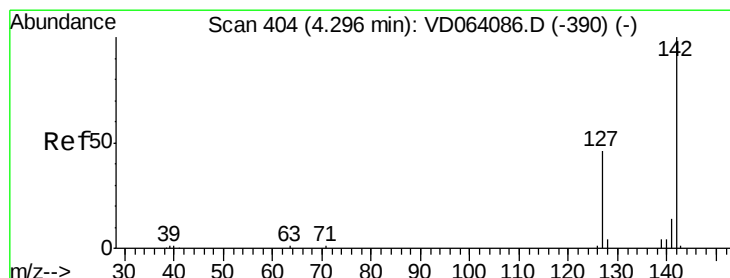
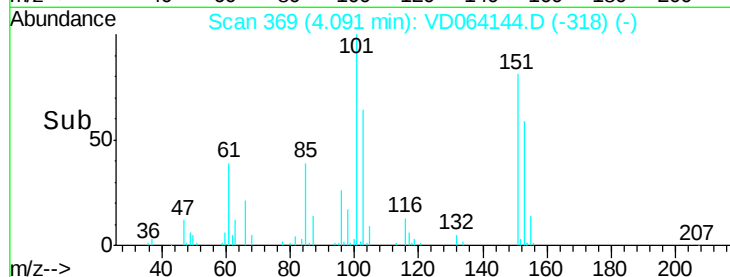
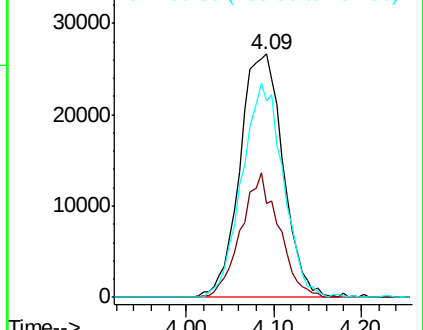
151 84.3 67.0 100.6



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: 54.943 ug/l

RT: 4.30 min Scan# 404

Delta R.T. 0.00 min

Lab File: VD064144.D

Acq: 31 Oct 2019 21:34

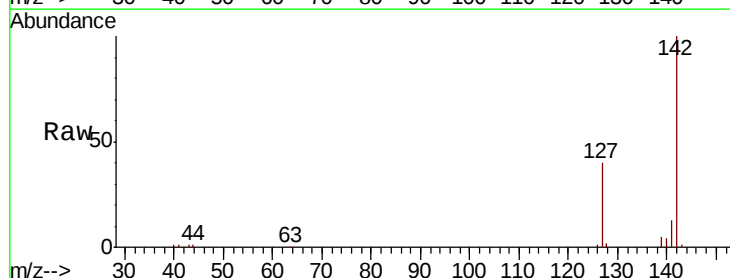
Tgt Ion:142 Resp: 127041

Ion Ratio Lower Upper

142 100

127 43.8 35.1 52.7

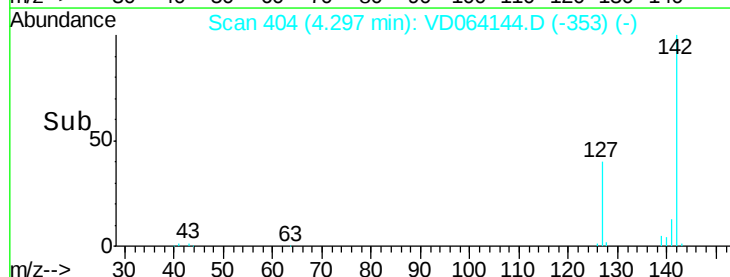
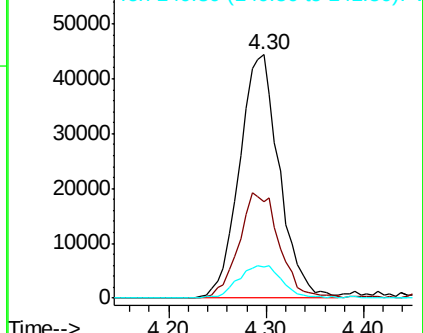
141 14.7 11.6 17.4

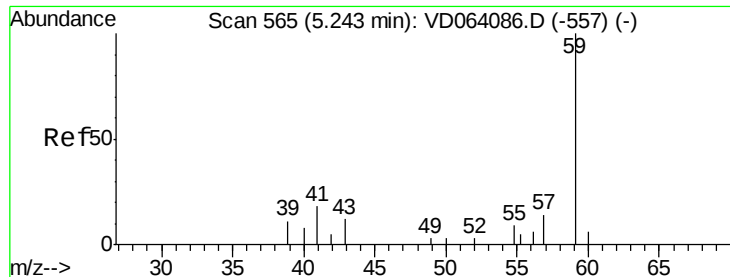


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

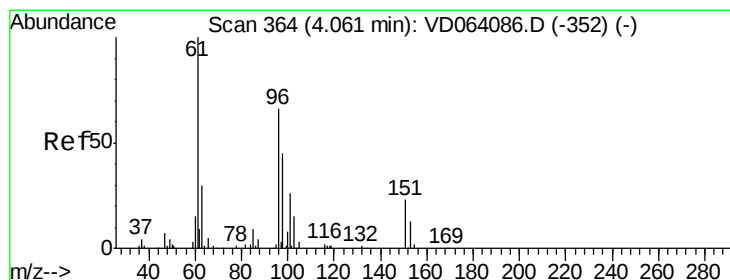
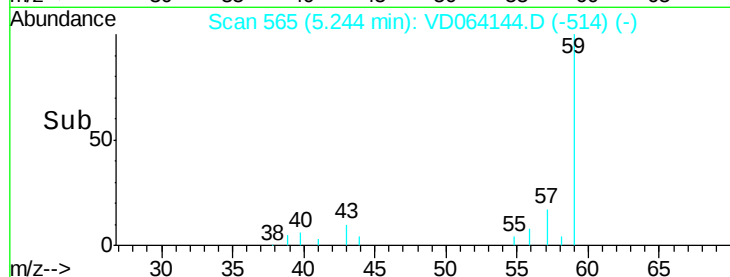
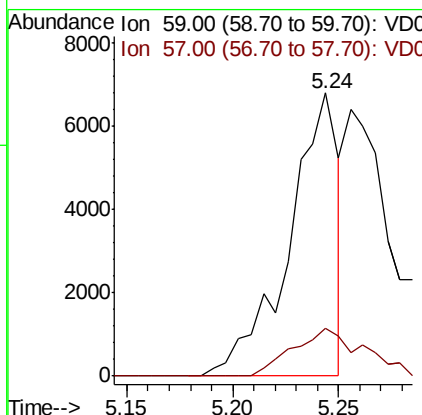
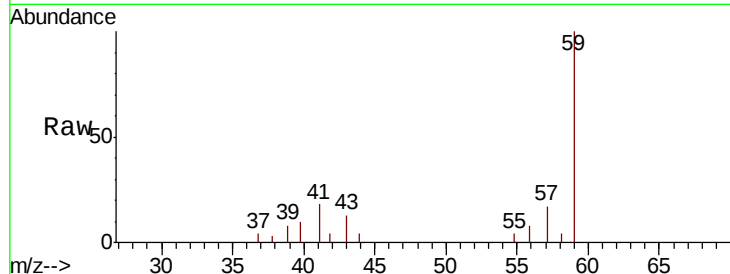




#11
Tert butyl alcohol
Concen: 122.194 ug/l
RT: 5.24 min Scan# 565
Delta R.T. 0.00 min
Lab File: VD064144.D
Acq: 31 Oct 2019 21:34

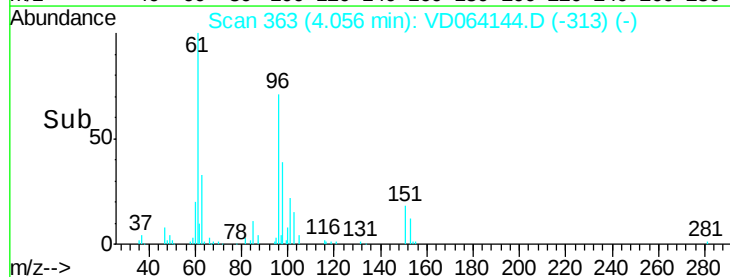
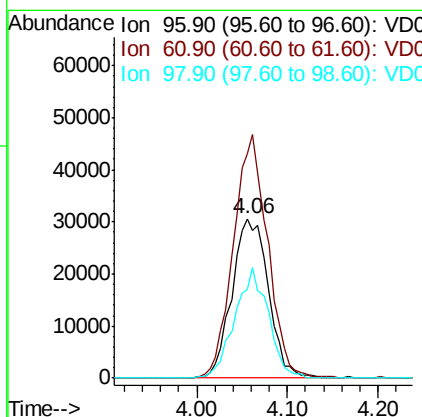
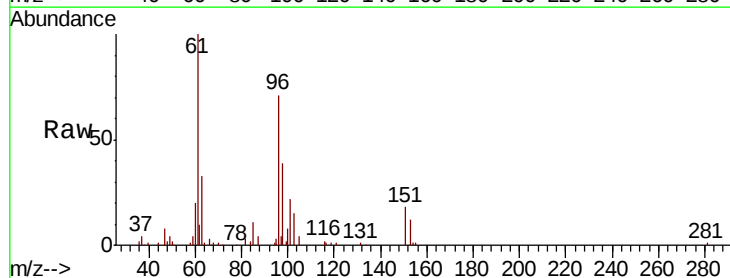
Instrument :
MSVOA_D
ClientSampleId :

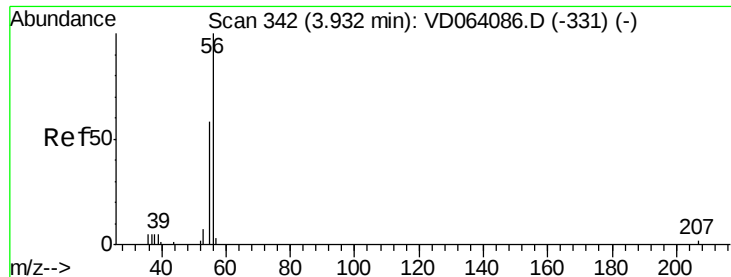
Tot Ion: 59 Resp: 11084
Ion Ratio Lower Upper
59 100
57 24.8 8.7 13.1#



#12
1,1-Dichloroethene
Concen: 48.233 ug/l
RT: 4.06 min Scan# 363
Delta R.T. -0.01 min
Lab File: VD064144.D
Acq: 31 Oct 2019 21:34

Tgt Ion: 96 Resp: 85195
Ion Ratio Lower Upper
96 100
61 140.9 121.8 182.6
98 55.5 55.4 83.0





#13

Acrolein

Concen: 189.140 ug/l

RT: 3.93 min Scan# 341

Delta R.T. -0.01 min

Lab File: VD064144.D

Acq: 31 Oct 2019 21:34

Instrument :

MSVOA_D

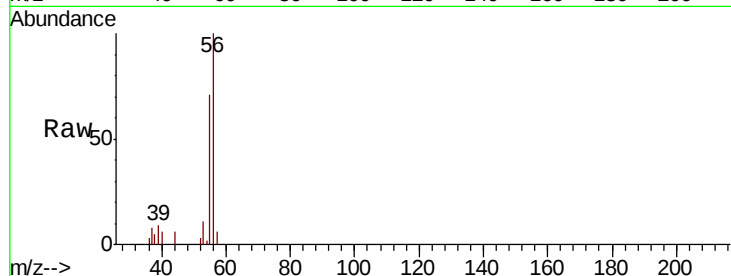
ClientSampleId :

Tot Ion: 56 Resp: 19530

Ion Ratio Lower Upper

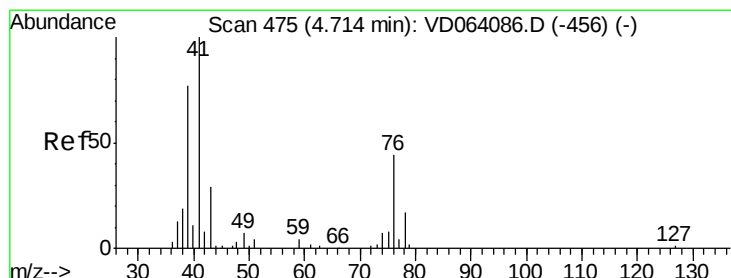
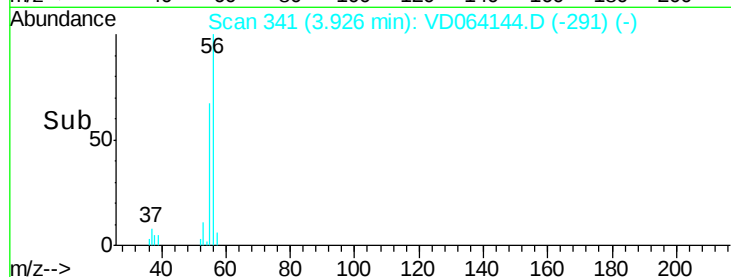
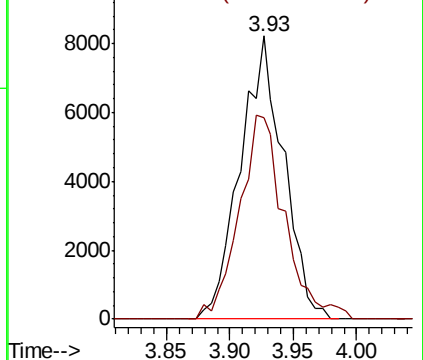
56 100

55 75.3 53.8 80.6



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 52.333 ug/l

RT: 4.71 min Scan# 474

Delta R.T. -0.01 min

Lab File: VD064144.D

Acq: 31 Oct 2019 21:34

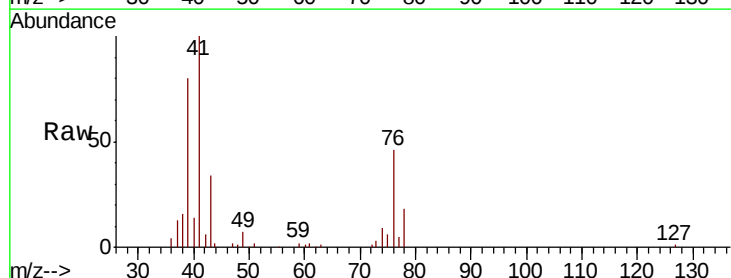
Tgt Ion: 41 Resp: 108191

Ion Ratio Lower Upper

41 100

39 75.8 61.5 92.3

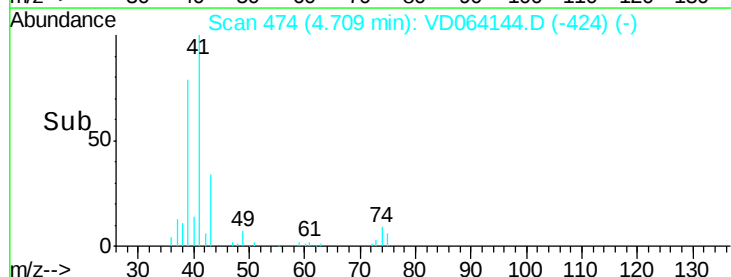
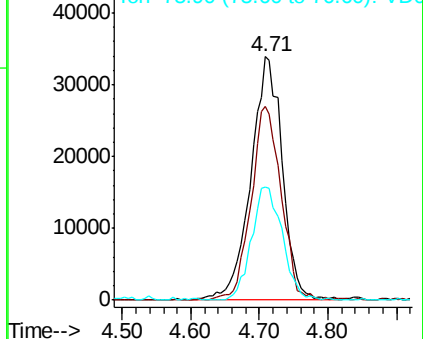
76 45.7 36.2 54.4

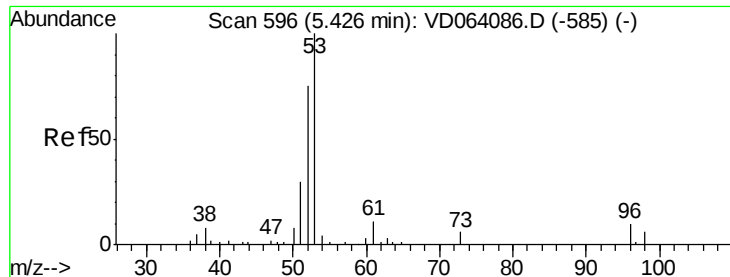


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC





#15

Acrylonitrile

Concen: 266.039 ug/l

RT: 5.43 min Scan# 597

Delta R.T. 0.01 min

Lab File: VD064144.D

Acq: 31 Oct 2019 21:34

Instrument :
MSVOA_D
ClientSampleId :

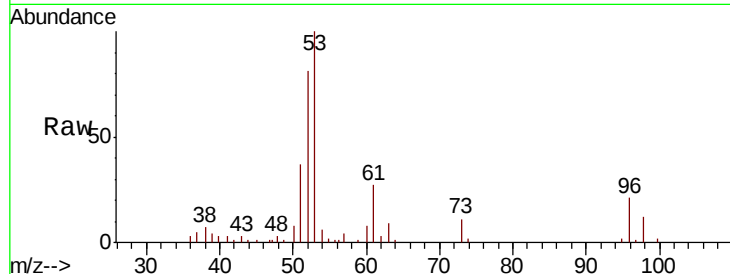
Tot Ion: 53 Resp: 88462

Ion Ratio Lower Upper

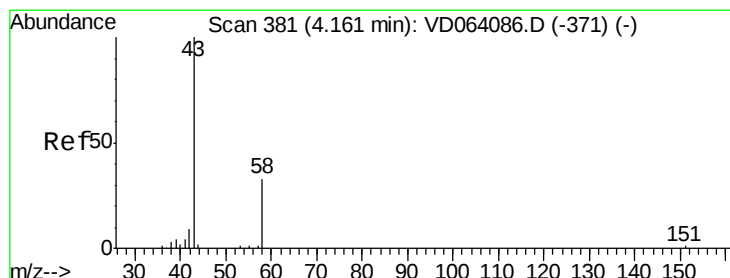
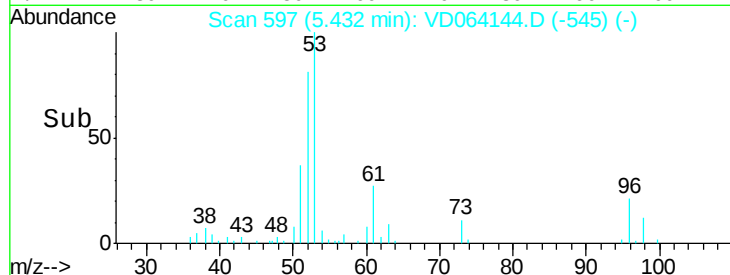
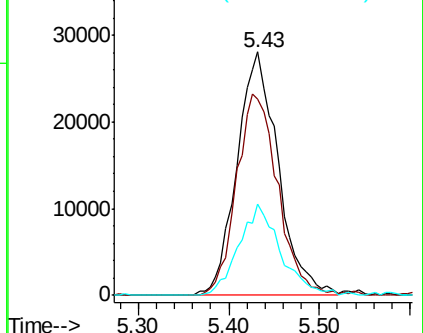
53 100

52 83.1 66.2 99.4

51 37.7 29.0 43.6



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: 241.273 ug/l

RT: 4.17 min Scan# 382

Delta R.T. 0.01 min

Lab File: VD064144.D

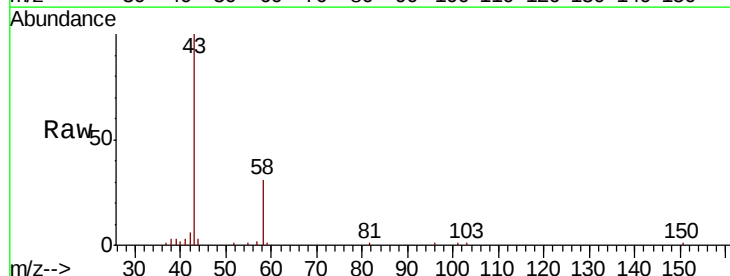
Acq: 31 Oct 2019 21:34

Tgt Ion: 43 Resp: 74342

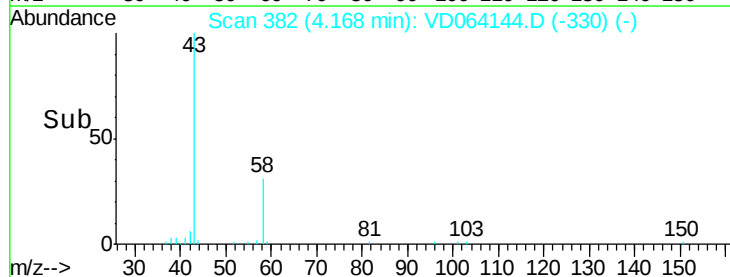
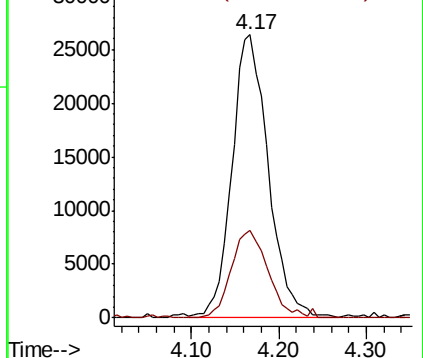
Ion Ratio Lower Upper

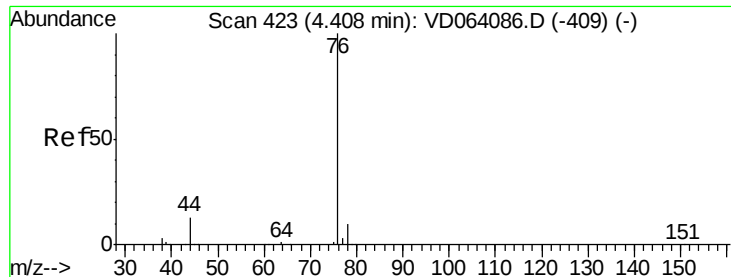
43 100

58 31.2 26.3 39.5



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

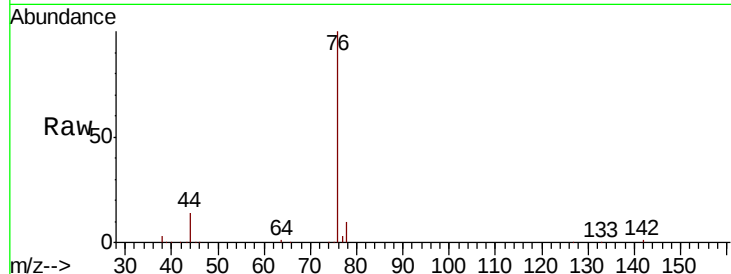




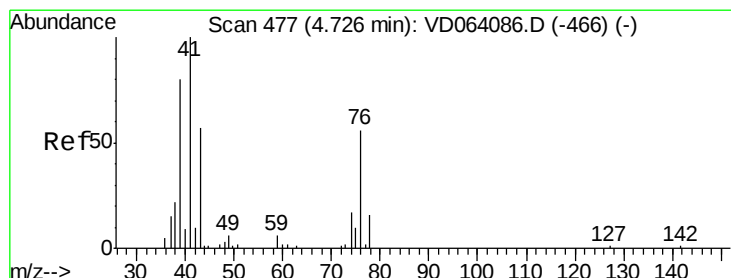
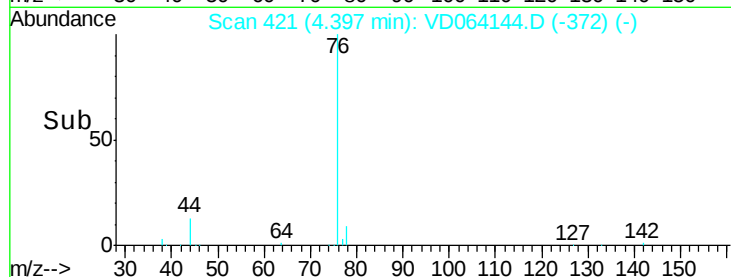
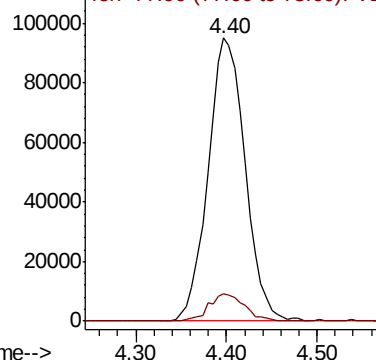
#17
Carbon Disulfide
Concen: 49.549 ug/l
RT: 4.40 min Scan# 421
Delta R.T. -0.01 min
Lab File: VD064144.D
Acq: 31 Oct 2019 21:34

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 76 Resp: 268948
Ion Ratio Lower Upper
76 100
78 9.8 8.1 12.1

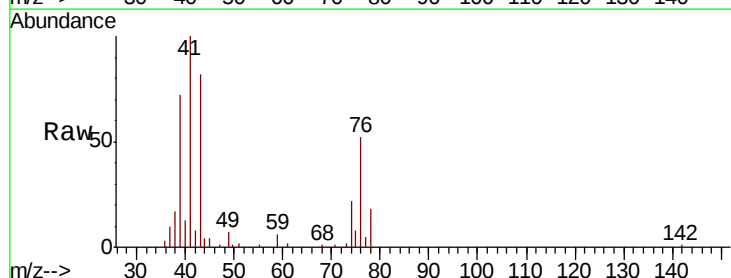


Abundance Ion 75.90 (75.60 to 76.60): VDC
Ion 77.90 (77.60 to 78.60): VDC

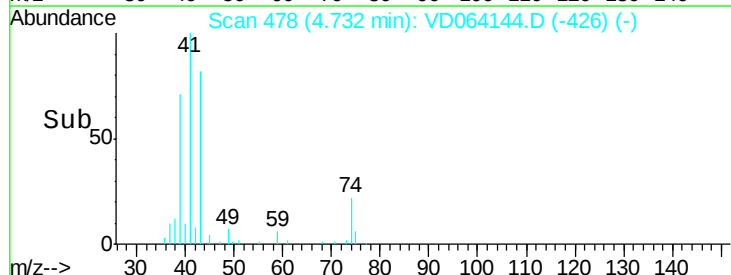
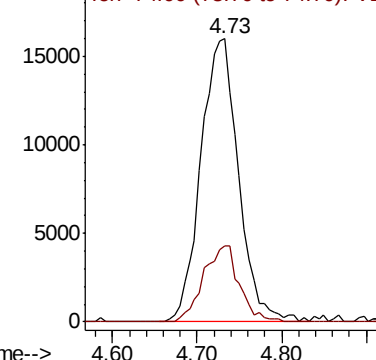


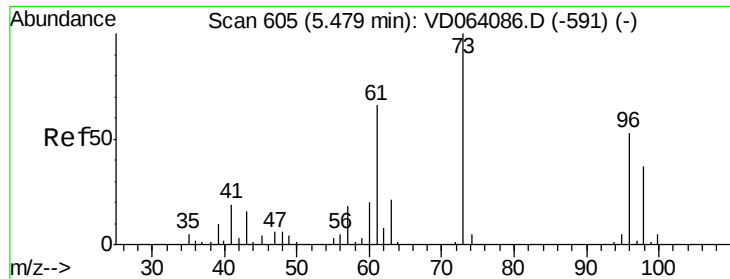
#18
Methyl Acetate
Concen: 60.176 ug/l
RT: 4.73 min Scan# 478
Delta R.T. 0.01 min
Lab File: VD064144.D
Acq: 31 Oct 2019 21:34

Tgt Ion: 43 Resp: 49321
Ion Ratio Lower Upper
43 100
74 25.7 22.2 33.4



Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 74.00 (73.70 to 74.70): VDC

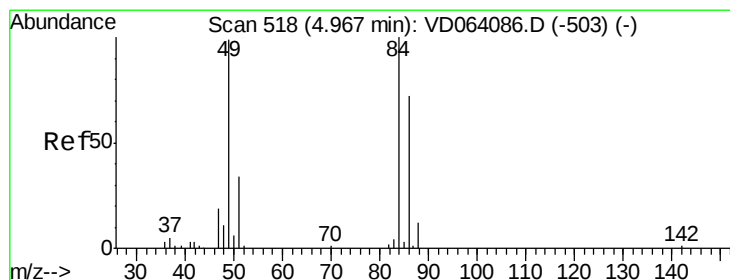
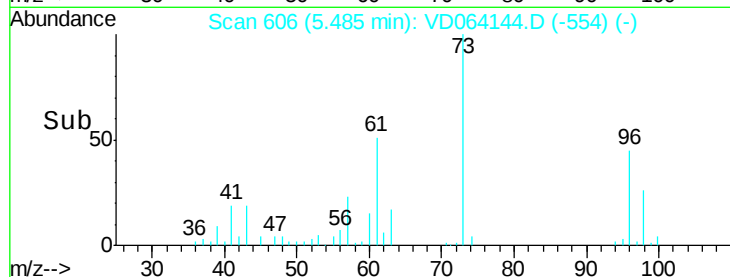
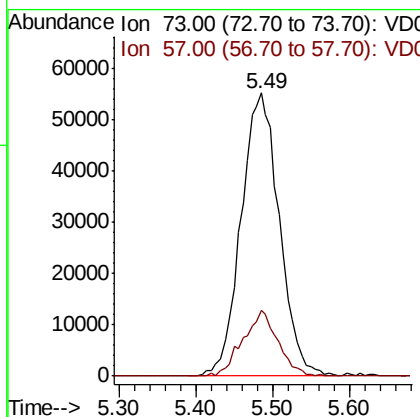
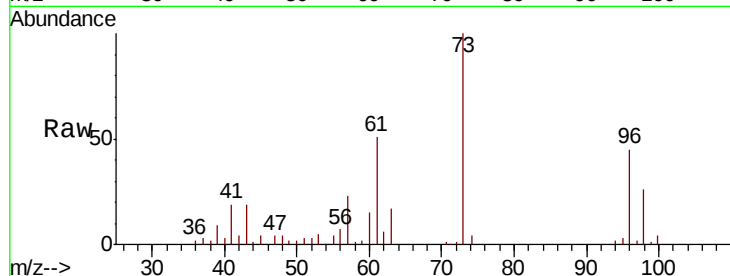




#19
Methvl tert-butvl Ether
Concen: 53.423 ug/l
RT: 5.49 min Scan# 606
Delta R.T. 0.01 min
Lab File: VD064144.D
Acq: 31 Oct 2019 21:34

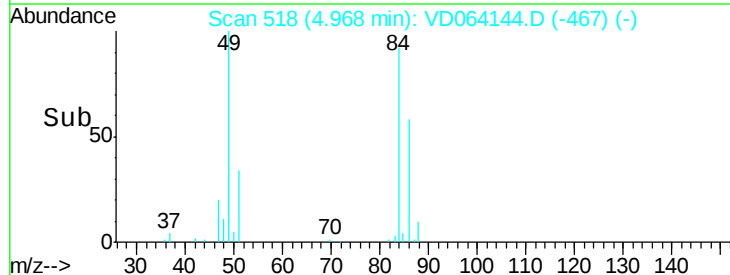
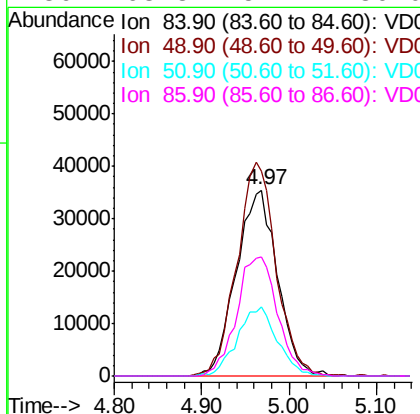
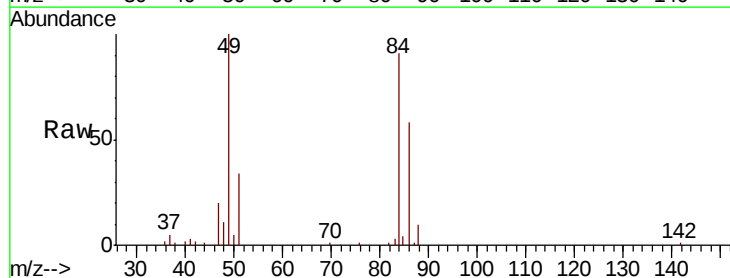
Instrument :
MSVOA_D
ClientSampleId :

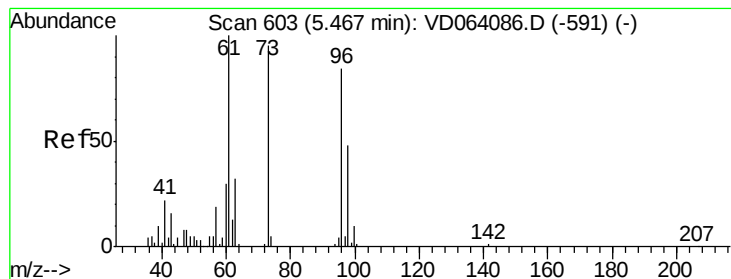
Tot Ion: 73 Resp: 191477
Ion Ratio Lower Upper
73 100
57 23.1 14.3 21.5#



#20
Methylene Chloride
Concen: 58.391 ug/l
RT: 4.97 min Scan# 518
Delta R.T. 0.00 min
Lab File: VD064144.D
Acq: 31 Oct 2019 21:34

Tgt Ion: 84 Resp: 113584
Ion Ratio Lower Upper
84 100
49 109.8 79.4 119.0
51 37.4 27.4 41.2
86 63.8 57.4 86.0





#21

trans-1,2-Dichloroethene

Concen: 53.573 ug/l

RT: 5.47 min Scan# 603

Delta R.T. 0.00 min

Lab File: VD064144.D

Acq: 31 Oct 2019 21:34

Instrument :

MSVOA_D

ClientSampled :

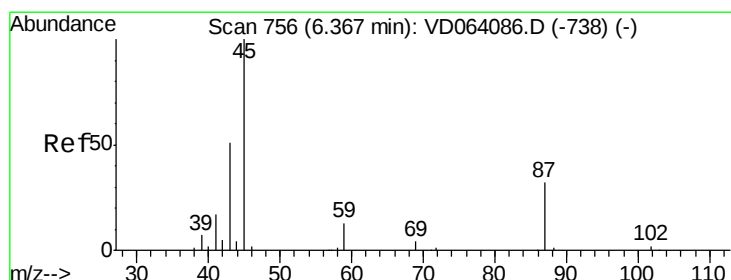
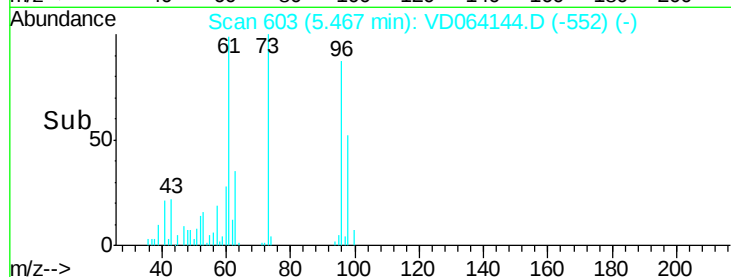
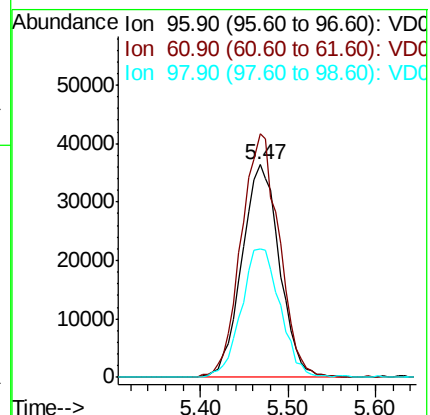
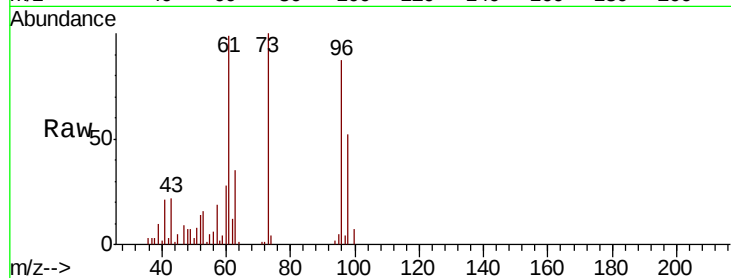
Tot Ion: 96 Resp: 106224

Ion Ratio Lower Upper

96 100

61 114.7 95.0 142.6

98 60.6 45.8 68.8



#22

Diisopropyl ether

Concen: 54.605 ug/l

RT: 6.37 min Scan# 757

Delta R.T. 0.01 min

Lab File: VD064144.D

Acq: 31 Oct 2019 21:34

Tgt Ion: 45 Resp: 250009

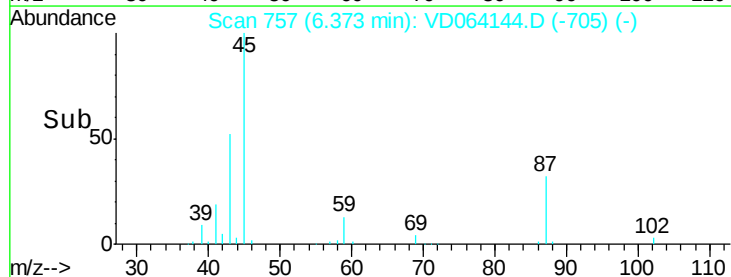
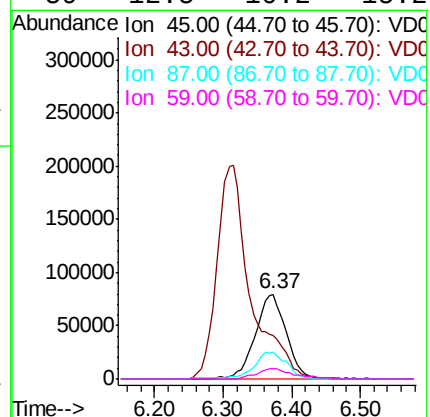
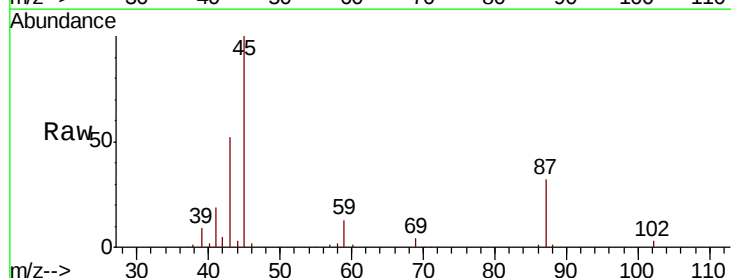
Ion Ratio Lower Upper

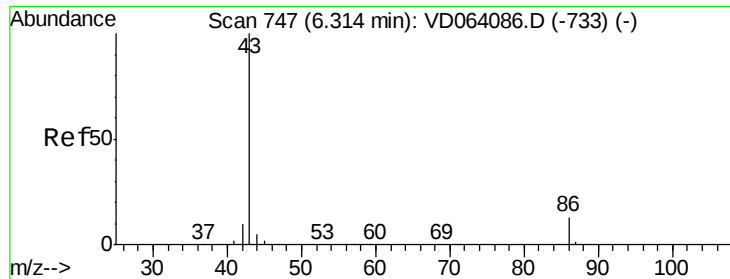
45 100

43 51.2 44.3 66.5

87 31.9 26.6 39.8

59 12.5 10.2 15.2





#23

Vinyl Acetate

Concen: 270.795 ug/l

RT: 6.31 min Scan# 747

Delta R.T. 0.00 min

Lab File: VD064144.D

Acq: 31 Oct 2019 21:34

Instrument :

MSVOA_D

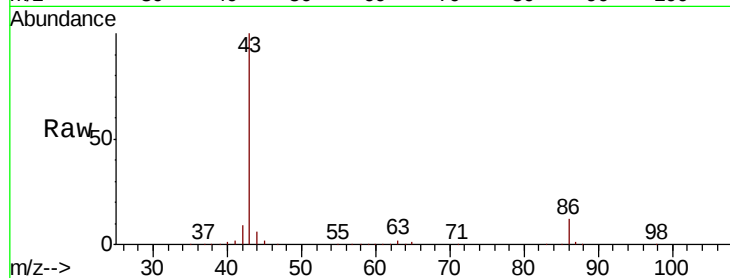
ClientSampleId :

Tot Ion: 43 Resp: 679615

Ion Ratio Lower Upper

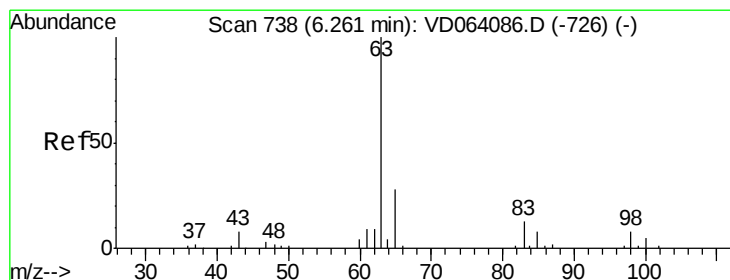
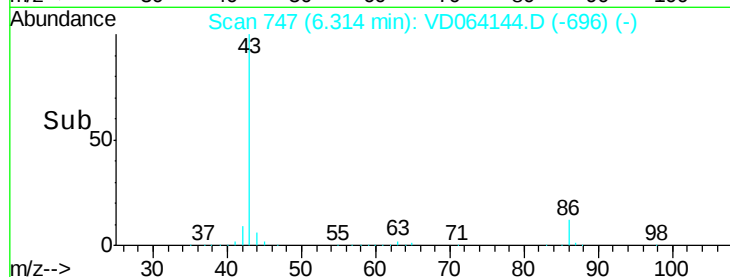
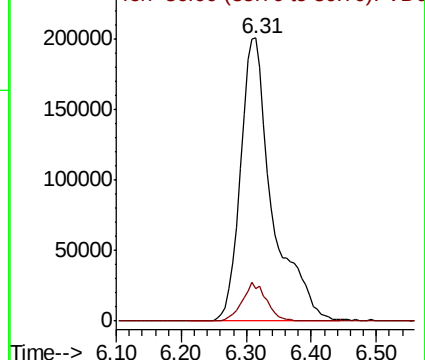
43 100

86 11.6 10.7 16.1



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 52.198 ug/l

RT: 6.27 min Scan# 739

Delta R.T. 0.01 min

Lab File: VD064144.D

Acq: 31 Oct 2019 21:34

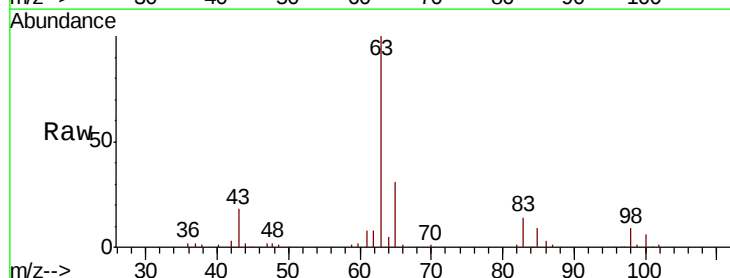
Tgt Ion: 63 Resp: 161385

Ion Ratio Lower Upper

63 100

98 9.3 4.0 11.9

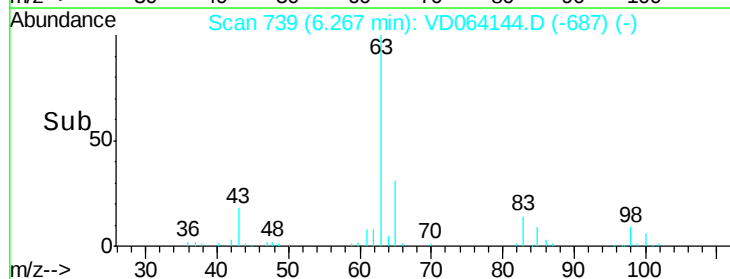
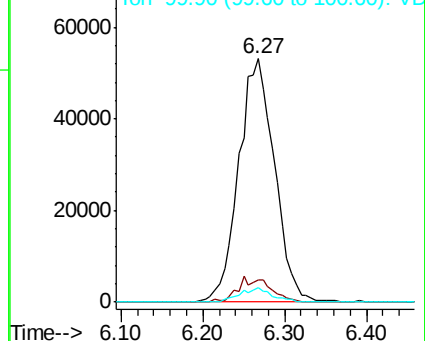
100 6.1 2.6 7.8

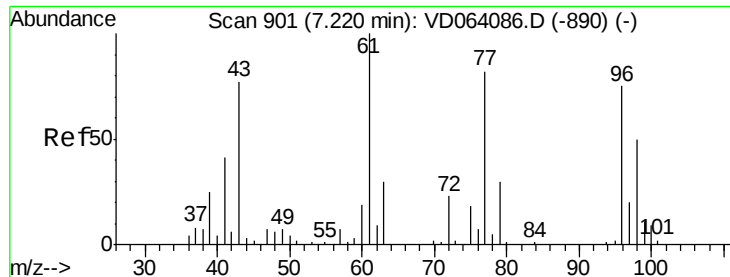


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC

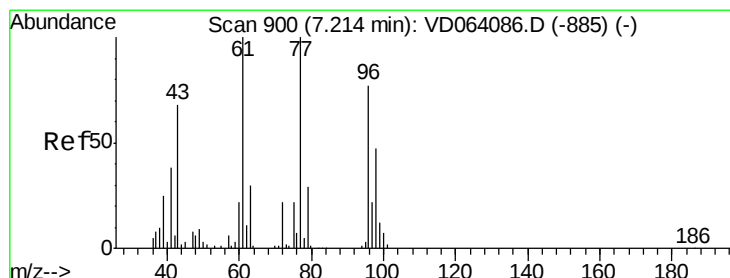
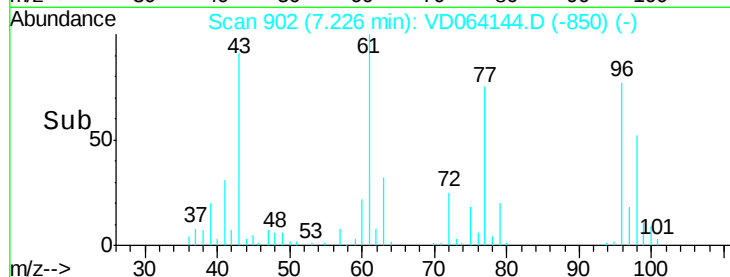
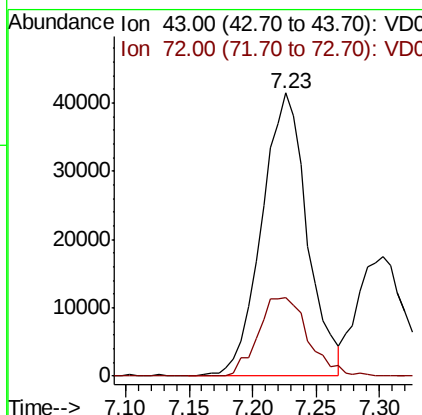
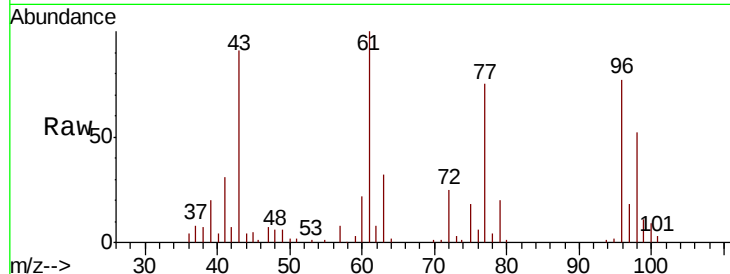




#25
2-Butanone
Concen: 243.761 ug/l
RT: 7.23 min Scan# 902
Delta R.T. 0.01 min
Lab File: VD064144.D
Acq: 31 Oct 2019 21:34

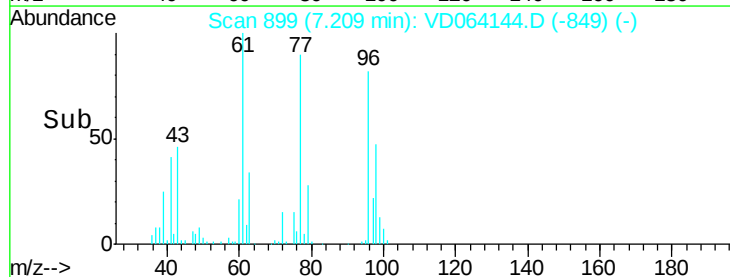
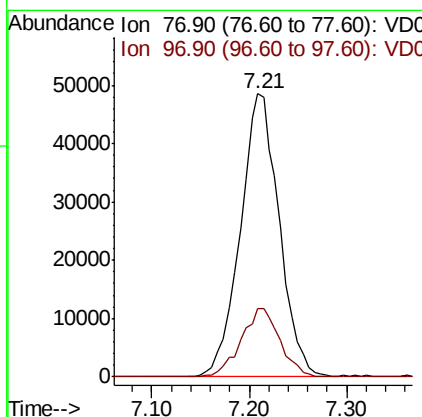
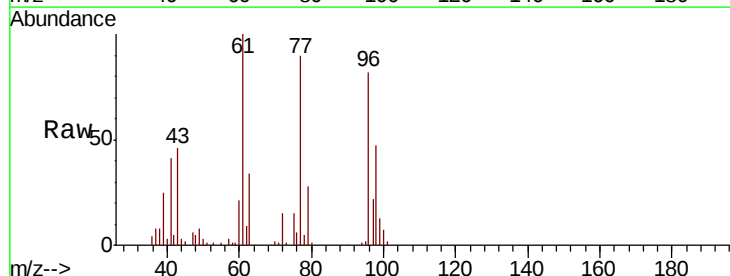
Instrument :
MSVOA_D
ClientSampleId :

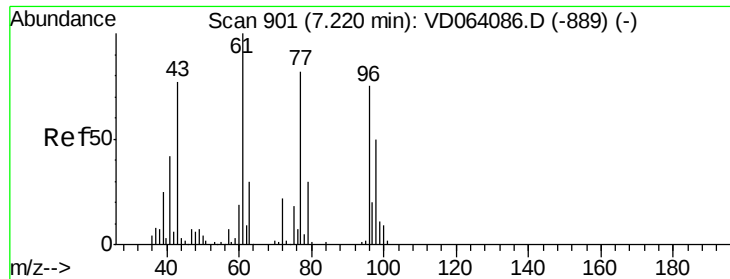
Tot Ion: 43 Resp: 103835
Ion Ratio Lower Upper
43 100
72 28.0 23.4 35.0



#26
2,2-Dichloropropane
Concen: 45.943 ug/l
RT: 7.21 min Scan# 899
Delta R.T. -0.01 min
Lab File: VD064144.D
Acq: 31 Oct 2019 21:34

Tgt Ion: 77 Resp: 134819
Ion Ratio Lower Upper
77 100
97 24.1 11.2 33.5



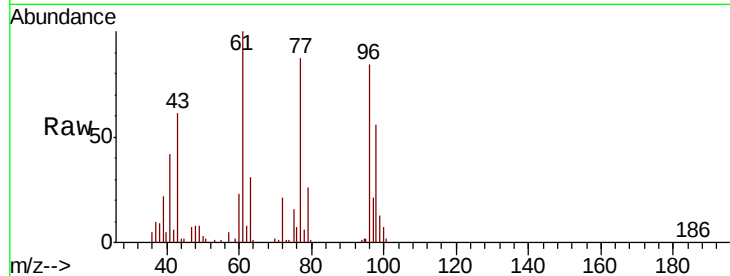


#27

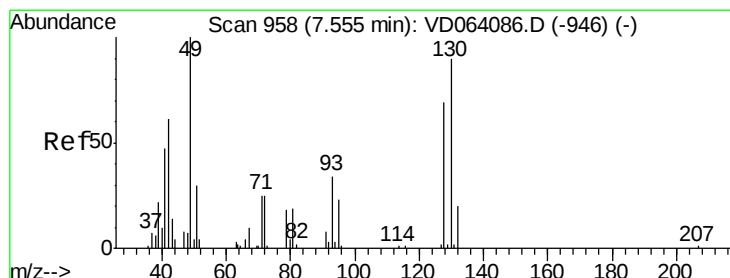
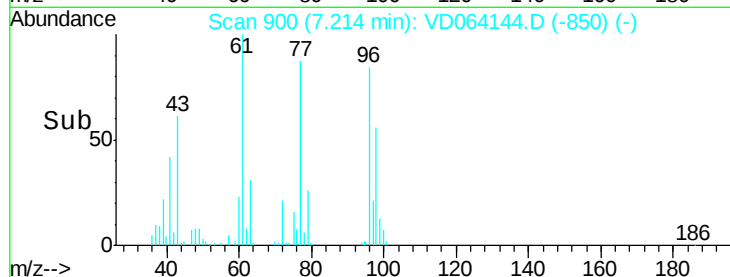
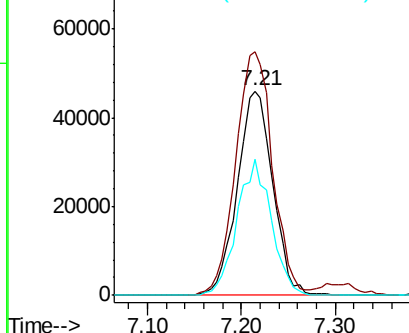
cis-1,2-Dichloroethene
 Concen: 54.178 ug/l
 RT: 7.21 min Scan# 900
 Delta R.T. -0.01 min
 Lab File: VD064144.D
 Acq: 31 Oct 2019 21:34

Instrument :
 MSVOA_D
 ClientSampleID :

Tot Ion: 96 Resp: 120204
 Ion Ratio Lower Upper
 96 100
 61 124.3 0.0 258.0
 98 64.2 0.0 130.8



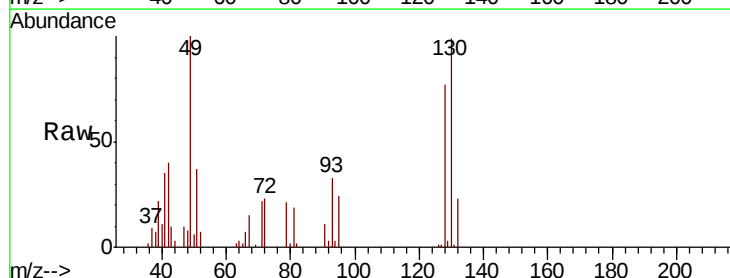
Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.90 (60.60 to 61.60): VDC
 Ion 97.90 (97.60 to 98.60): VDC



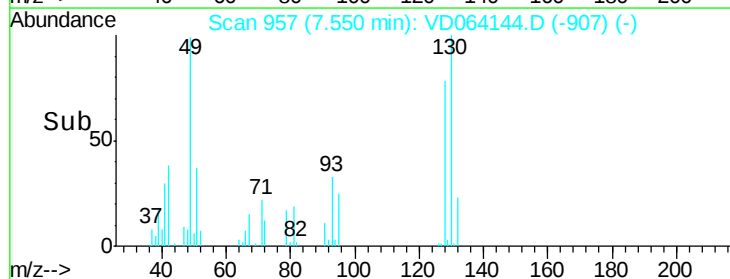
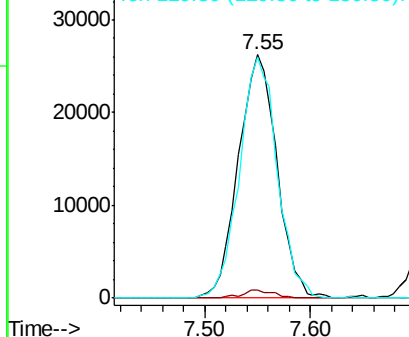
#28

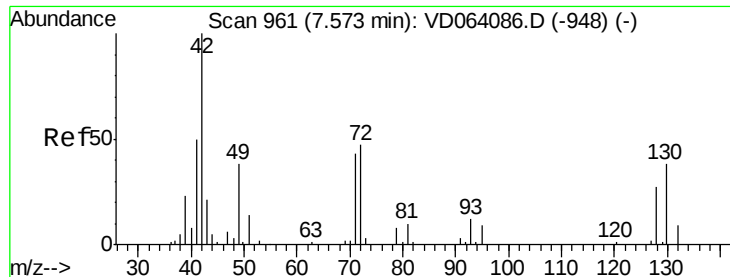
Bromochloromethane
 Concen: 54.880 ug/l
 RT: 7.55 min Scan# 957
 Delta R.T. -0.01 min
 Lab File: VD064144.D
 Acq: 31 Oct 2019 21:34

Tgt Ion: 49 Resp: 66416
 Ion Ratio Lower Upper
 49 100
 129 2.7 0.0 5.4
 130 97.0 75.3 112.9



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

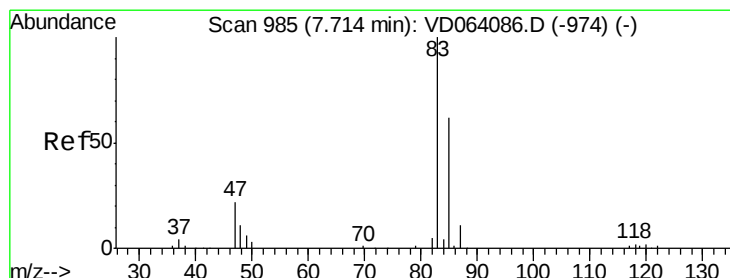
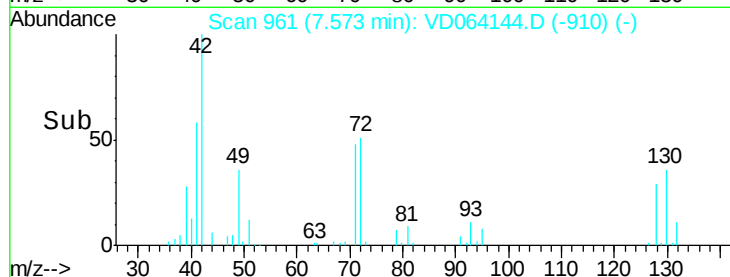
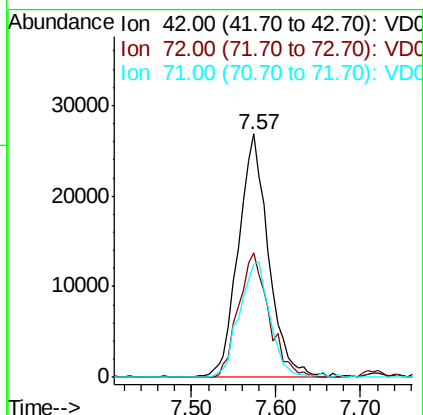
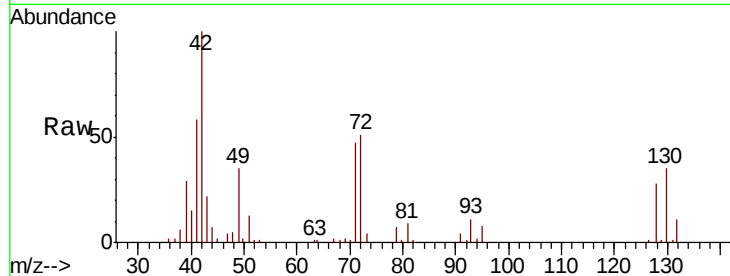




#29
Tetrahydrofuran
Concen: 267.627 ug/l
RT: 7.57 min Scan# 961
Delta R.T. 0.00 min
Lab File: VD064144.D
Acq: 31 Oct 2019 21:34

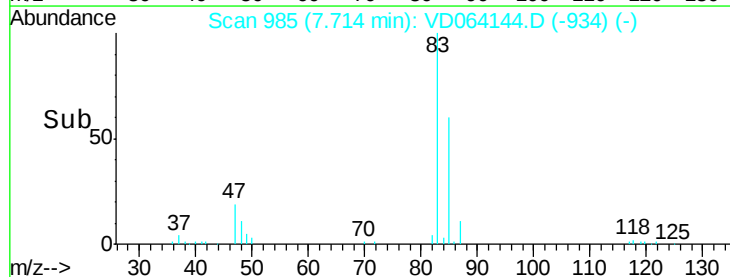
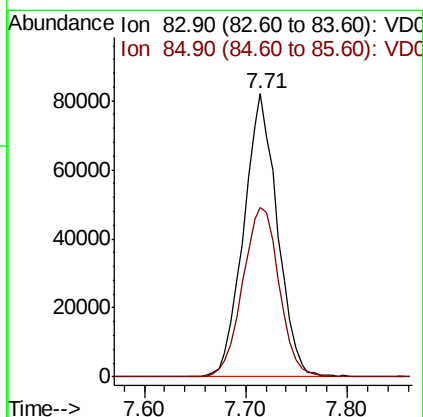
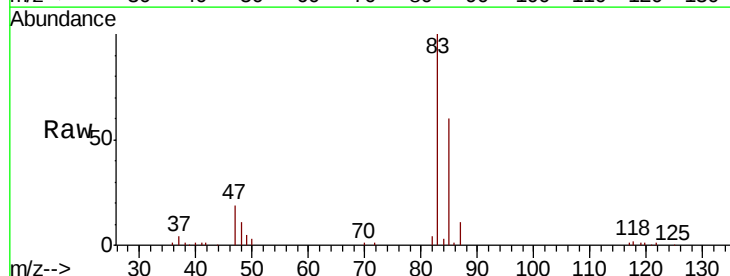
Instrument :
MSVOA_D
ClientSampleId :

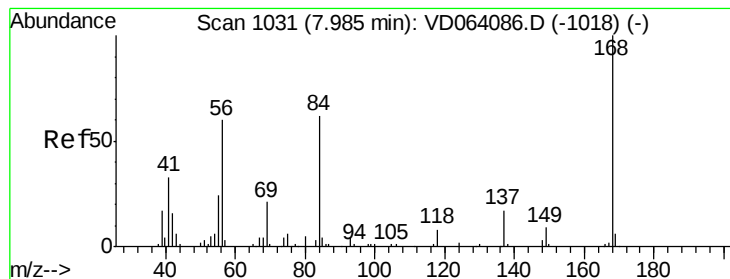
Tot Ion: 42 Resp: 66533
Ion Ratio Lower Upper
42 100
72 51.7 38.9 58.3
71 47.7 35.4 53.2



#30
Chloroform
Concen: 53.613 ug/l
RT: 7.71 min Scan# 985
Delta R.T. 0.00 min
Lab File: VD064144.D
Acq: 31 Oct 2019 21:34

Tgt Ion: 83 Resp: 189678
Ion Ratio Lower Upper
83 100
85 59.7 49.8 74.6





#31

Cyclohexane

Concen: 43.305 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD064144.D

Acq: 31 Oct 2019 21:34

Instrument :
MSVOA_D
ClientSampled :

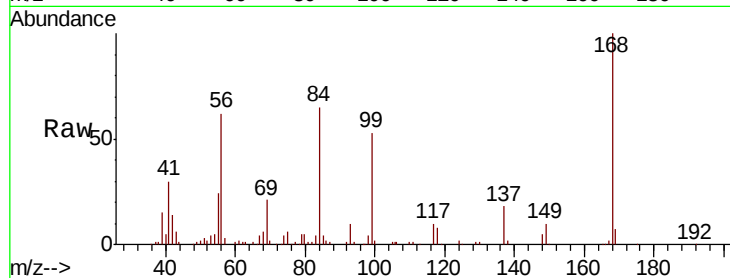
Tot Ion: 56 Resp: 130441

Ion Ratio Lower Upper

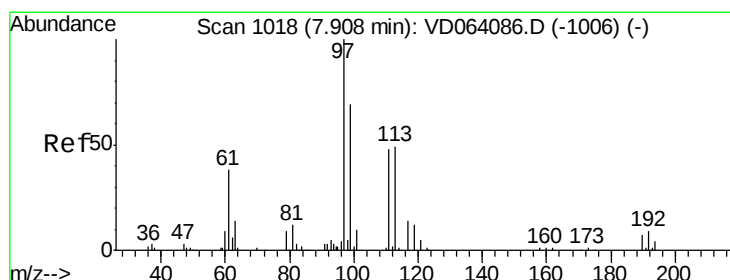
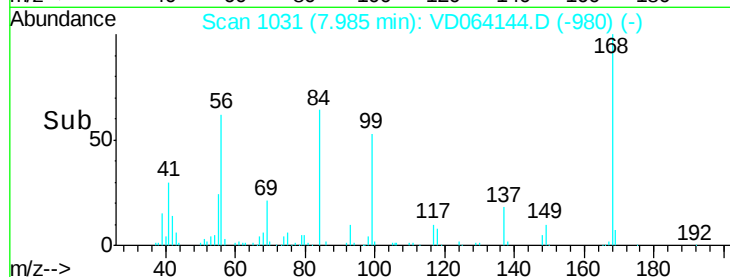
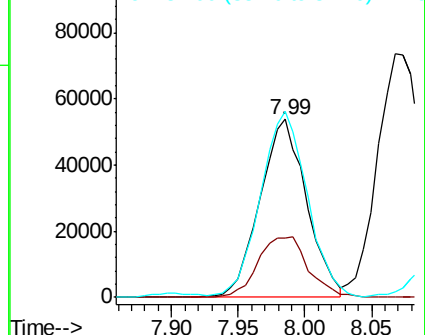
56 100

69 33.6 27.7 41.5

84 102.7 83.1 124.7



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: 50.703 ug/l

RT: 7.91 min Scan# 1018

Delta R.T. 0.00 min

Lab File: VD064144.D

Acq: 31 Oct 2019 21:34

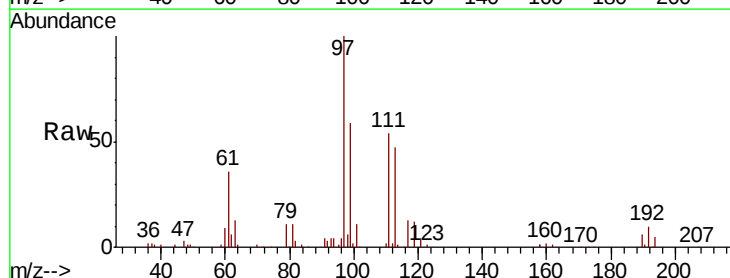
Tgt Ion: 97 Resp: 166979

Ion Ratio Lower Upper

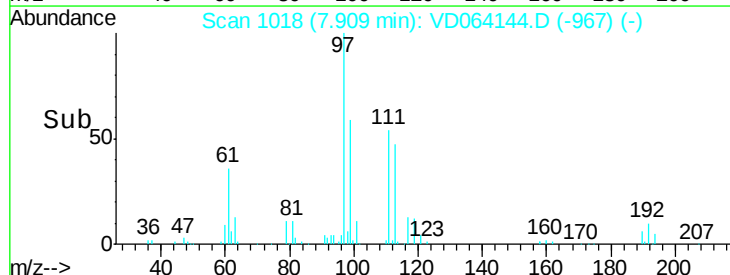
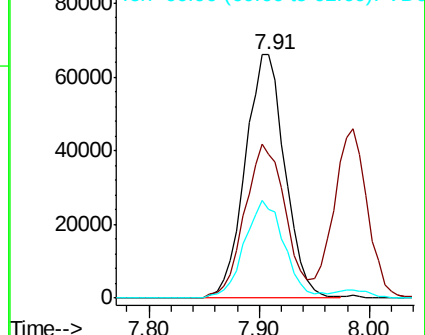
97 100

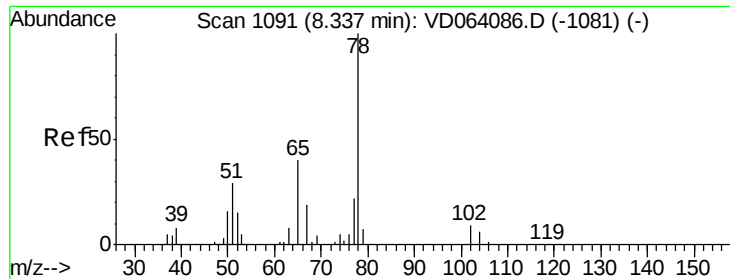
99 64.2 53.7 80.5

61 40.4 31.8 47.6



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: 52.924 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. -0.01 min

Lab File: VD064144.D

Acq: 31 Oct 2019 21:34

Instrument :

MSVOA_D

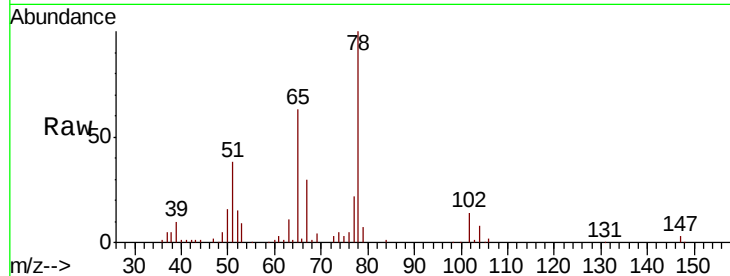
ClientSampleId :

Tot Ion: 65 Resp: 85706

Ion Ratio Lower Upper

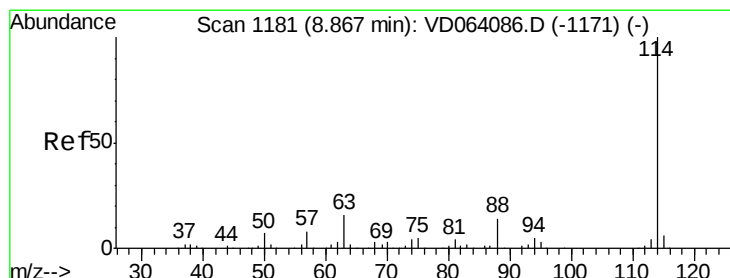
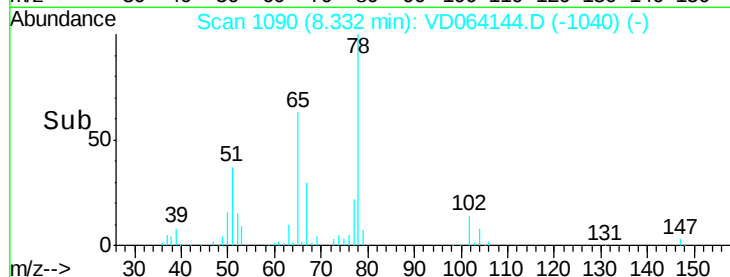
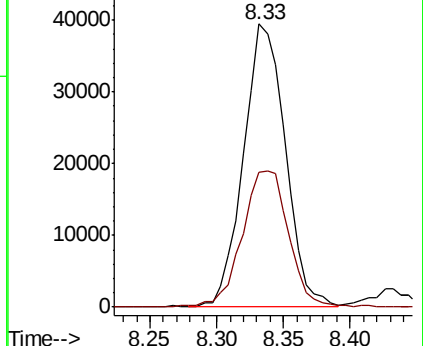
65 100

67 53.1 0.0 104.6



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. 0.00 min

Lab File: VD064144.D

Acq: 31 Oct 2019 21:34

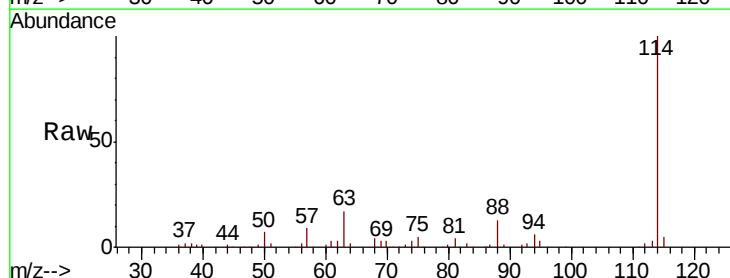
Tgt Ion: 114 Resp: 320642

Ion Ratio Lower Upper

114 100

63 17.5 0.0 32.8

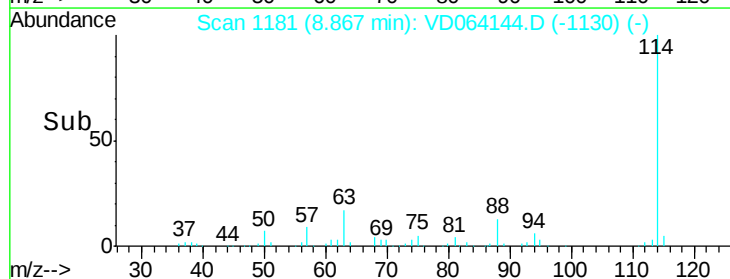
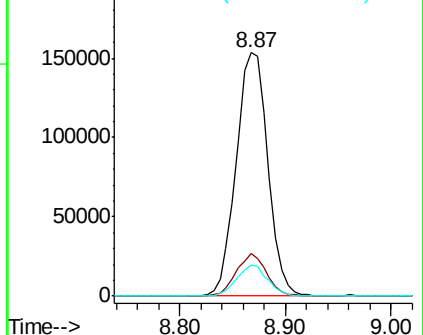
88 12.9 0.0 27.6

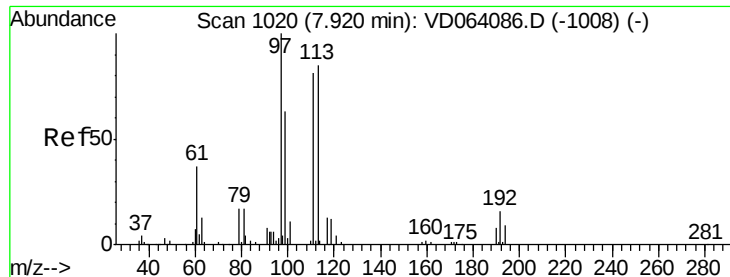


Abundance Ion 113.90 (113.60 to 114.60): VDC

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

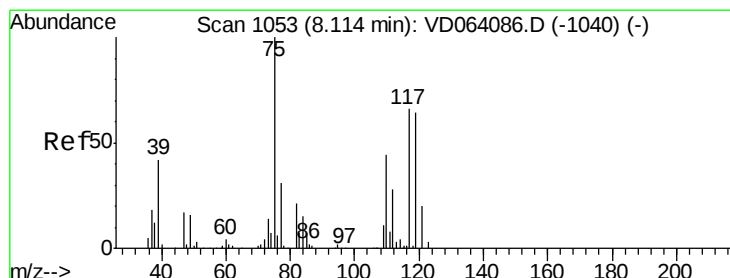
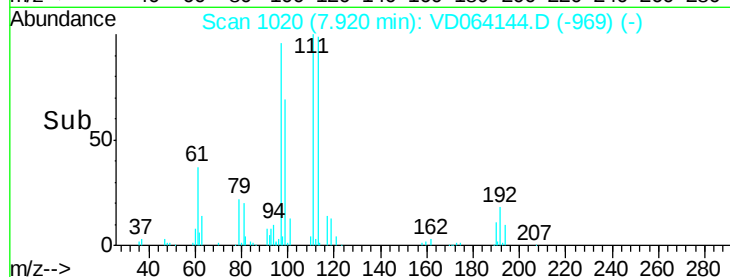
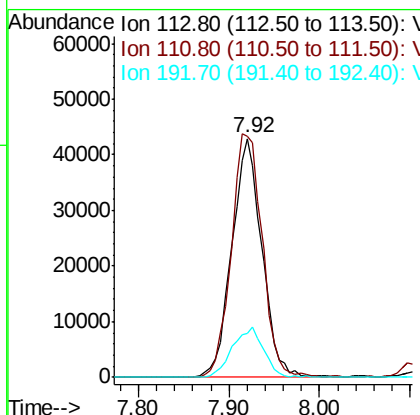
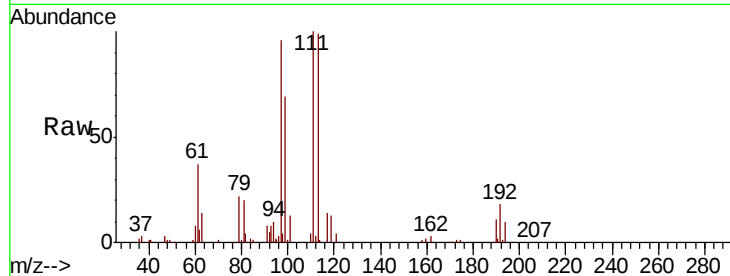




#35
 Dibromofluoromethane
 Concen: 50.166 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD064144.D
 Acq: 31 Oct 2019 21:34

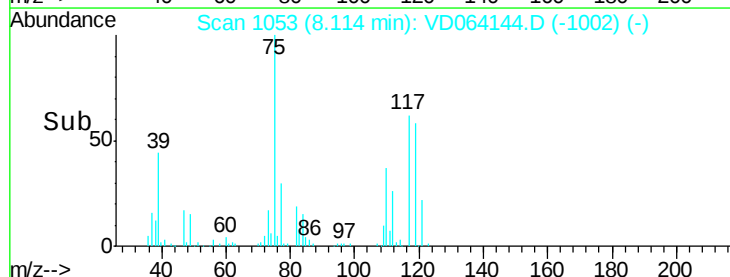
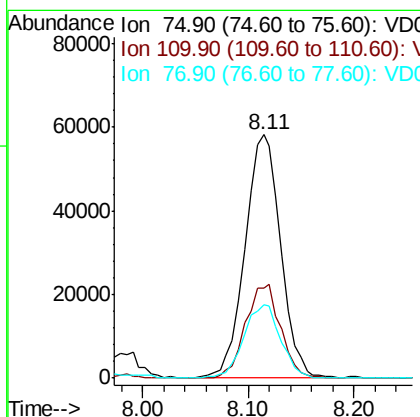
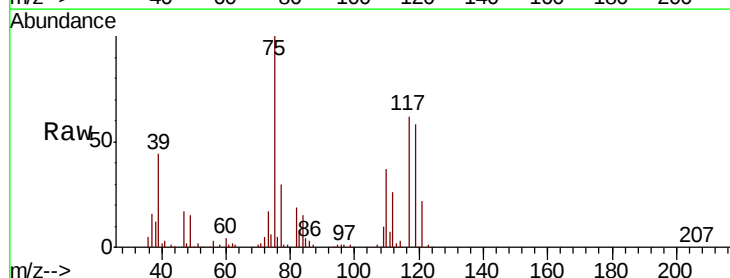
Instrument :
 MSVOA_D
 ClientSampleId :

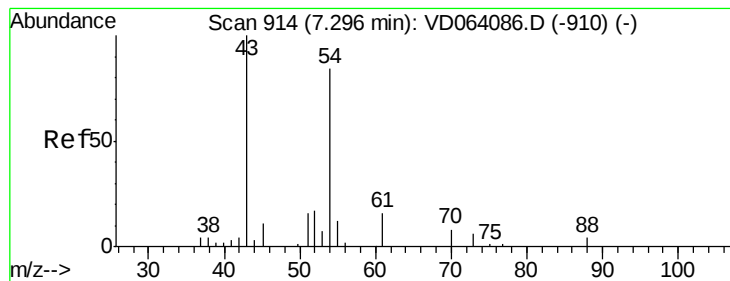
Tot Ion:113 Resp: 98962
 Ion Ratio Lower Upper
 113 100
 111 105.1 79.3 118.9
 192 21.4 16.2 24.2



#36
 1,1-Dichloropropene
 Concen: 45.478 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. 0.00 min
 Lab File: VD064144.D
 Acq: 31 Oct 2019 21:34

Tgt Ion: 75 Resp: 136638
 Ion Ratio Lower Upper
 75 100
 110 37.9 20.0 59.9
 77 31.0 24.7 37.1





#37

Ethyl Acetate

Concen: 47.710 ug/l

RT: 7.30 min Scan# 915

Delta R.T. 0.01 min

Lab File: VD064144.D

Acq: 31 Oct 2019 21:34

Instrument :

MSVOA_D

ClientSampleId :

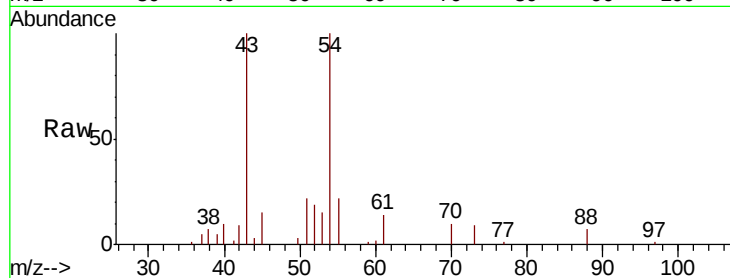
Tot Ion: 43 Resp: 44122

Ion Ratio Lower Upper

43 100

61 17.0 12.0 18.0

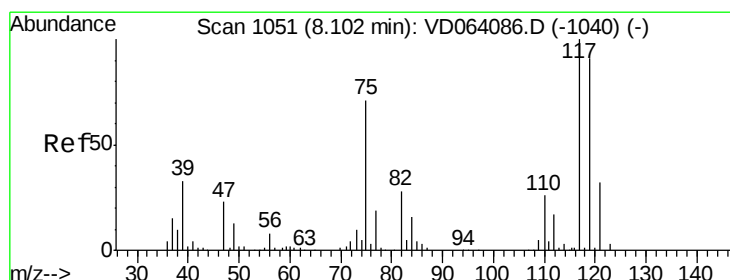
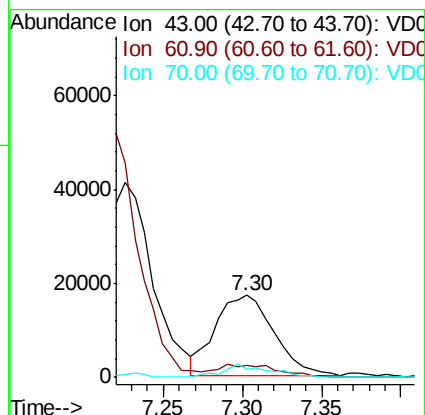
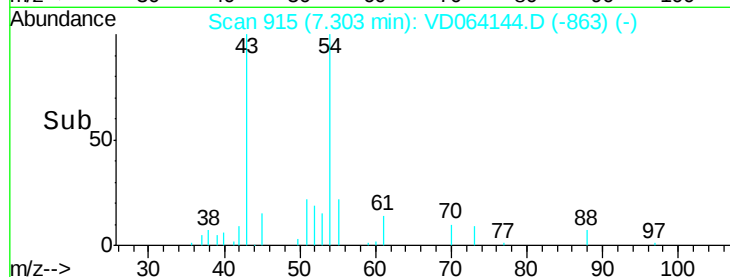
70 12.8 3.8 5.6#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 60.90 (60.60 to 61.60): VDC

Ion 70.00 (69.70 to 70.70): VDC



#38

Carbon Tetrachloride

Concen: 46.353 ug/l

RT: 8.10 min Scan# 1050

Delta R.T. -0.01 min

Lab File: VD064144.D

Acq: 31 Oct 2019 21:34

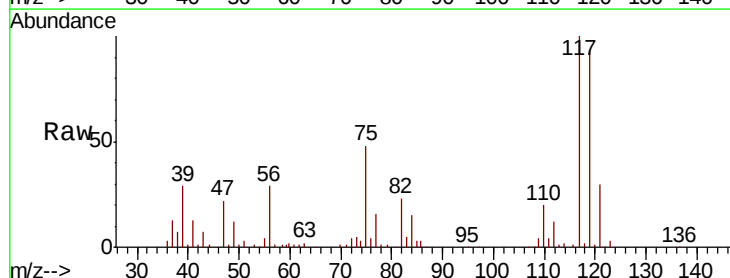
Tgt Ion: 117 Resp: 151949

Ion Ratio Lower Upper

117 100

119 93.1 72.6 108.8

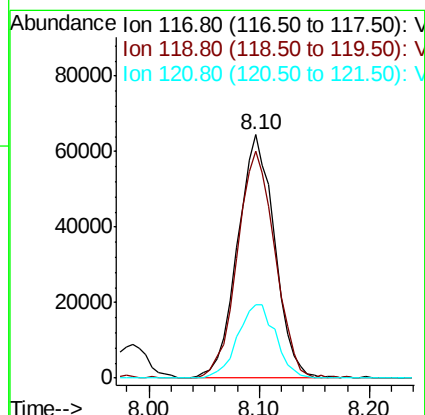
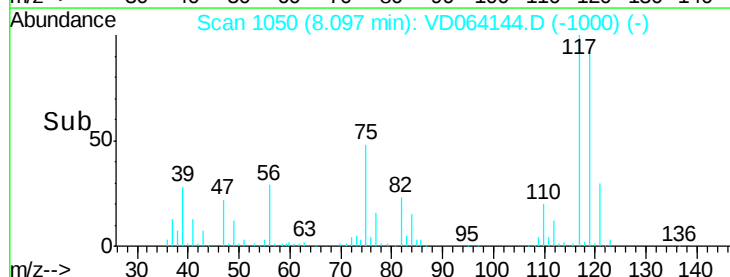
121 30.1 25.8 38.6

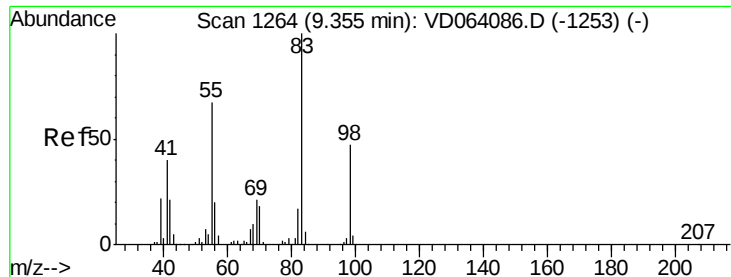


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

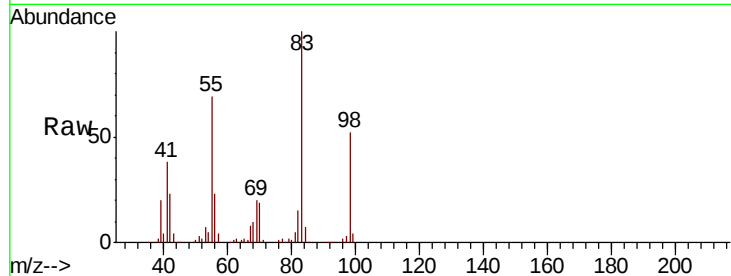




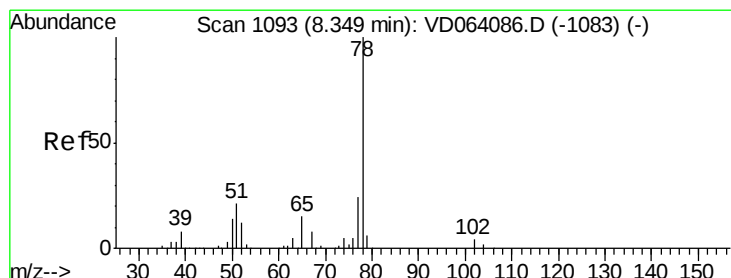
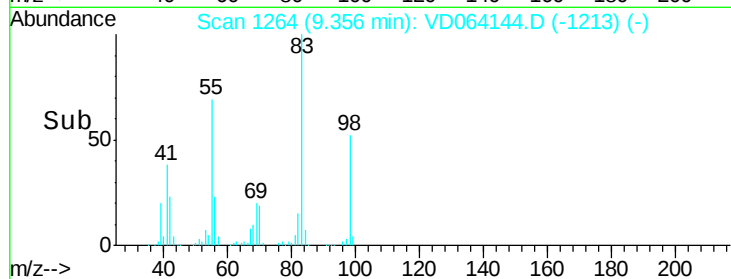
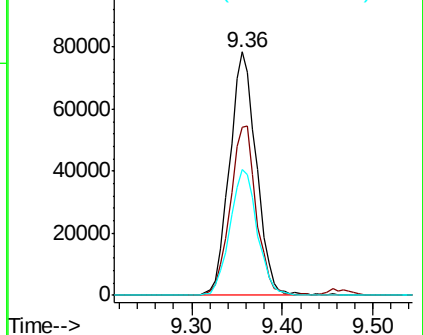
#39
Methvlcvclohexane
Concen: 43.627 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD064144.D
Acq: 31 Oct 2019 21:34

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 83 Resp: 160905
Ion Ratio Lower Upper
83 100
55 69.3 53.4 80.0
98 51.7 37.8 56.6

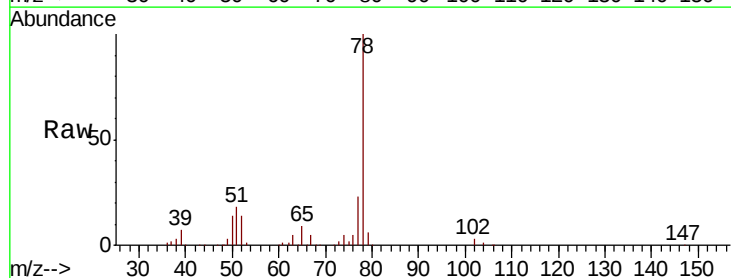


Abundance Ion 83.00 (82.70 to 83.70): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.00 (97.70 to 98.70): VDC

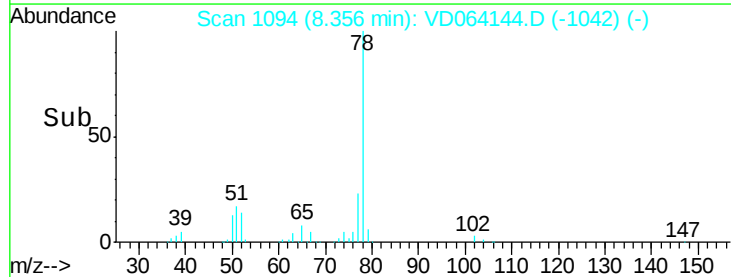
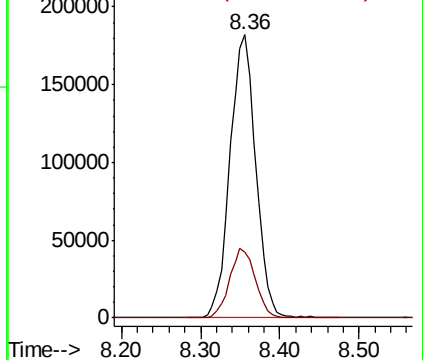


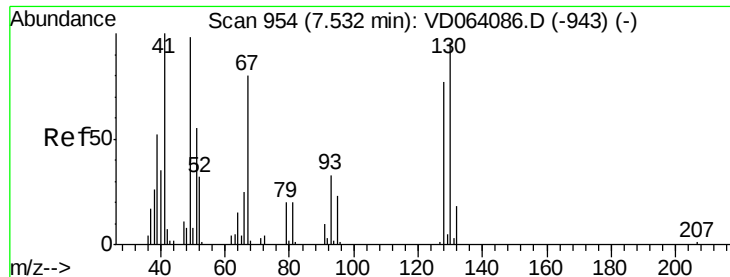
#40
Benzene
Concen: 49.888 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.01 min
Lab File: VD064144.D
Acq: 31 Oct 2019 21:34

Tgt Ion: 78 Resp: 408739
Ion Ratio Lower Upper
78 100
77 23.1 19.0 28.4



Abundance Ion 78.00 (77.70 to 78.70): VDC
Ion 77.00 (76.70 to 77.70): VDC

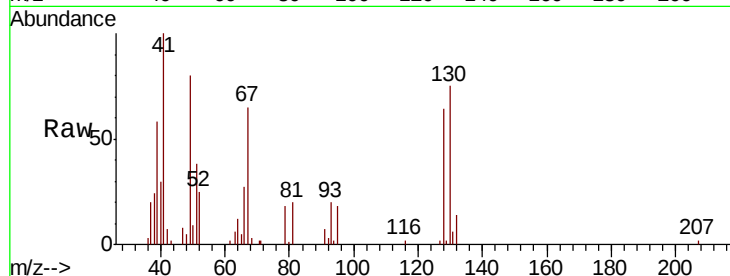




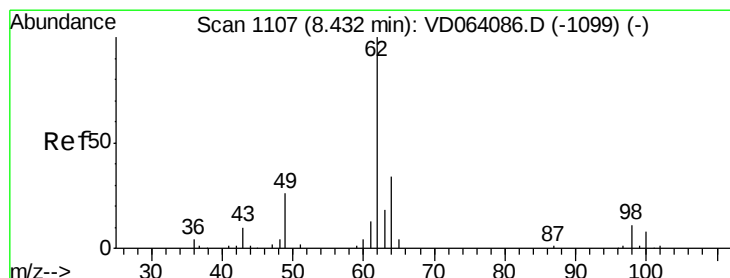
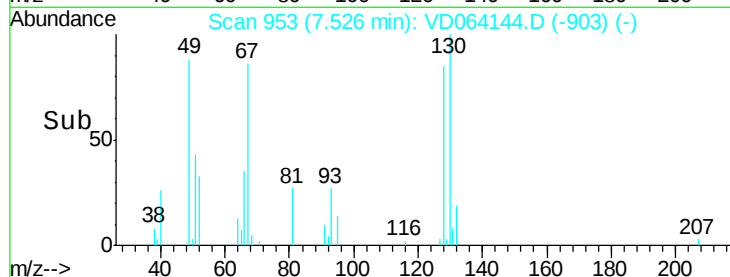
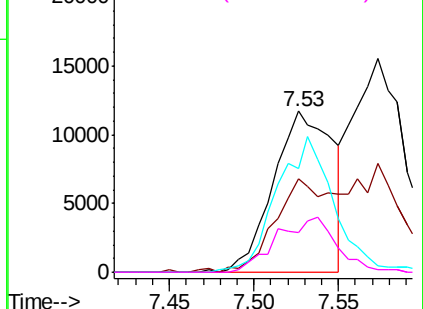
#41
Methacrylonitrile
Concen: 53.597 ug/l
RT: 7.53 min Scan# 953
Delta R.T. -0.01 min
Lab File: VD064144.D
Acq: 31 Oct 2019 21:34

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 41 Resp: 28604
Ion Ratio Lower Upper
41 100
39 55.8 41.0 61.4
67 81.7 73.4 110.0
52 34.7 27.3 40.9

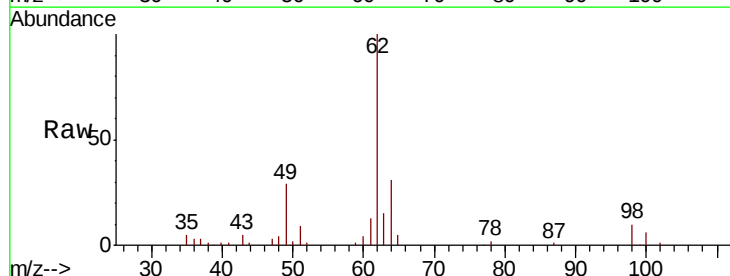


Abundance Ion 41.00 (40.70 to 41.70): VDC
Ion 39.00 (38.70 to 39.70): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

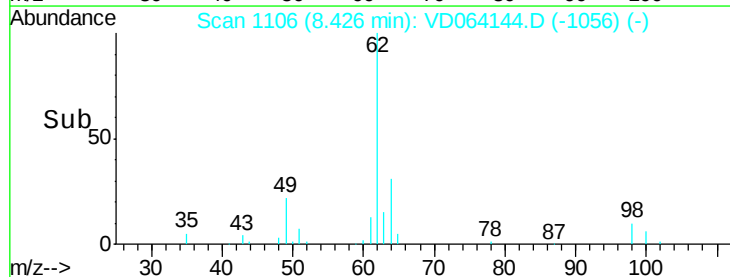
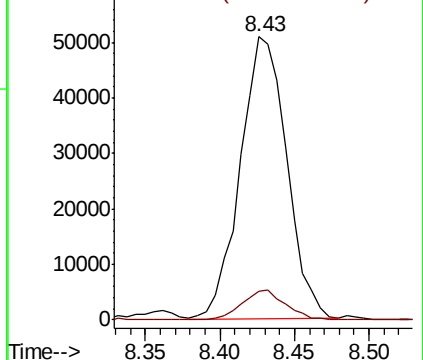


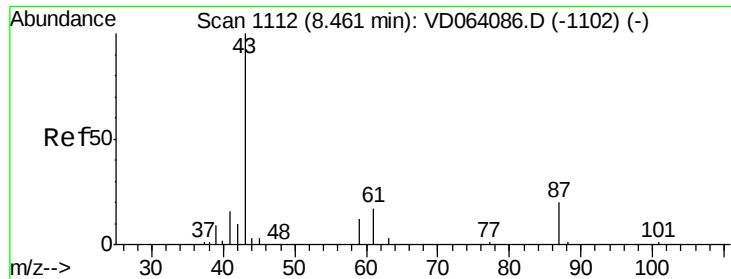
#42
1,2-Dichloroethane
Concen: 50.312 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. -0.01 min
Lab File: VD064144.D
Acq: 31 Oct 2019 21:34

Tgt Ion: 62 Resp: 108886
Ion Ratio Lower Upper
62 100
98 9.8 0.0 21.0



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





#43

Isopropyl Acetate

Concen: 48.431 ug/l

RT: 8.46 min Scan# 1112

Delta R.T. 0.00 min

Lab File: VD064144.D

Acq: 31 Oct 2019 21:34

Instrument :

MSVOA_D

ClientSampled :

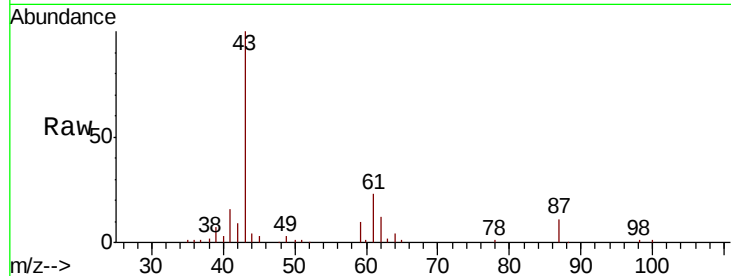
Tot Ion: 43 Resp: 90515

Ion Ratio Lower Upper

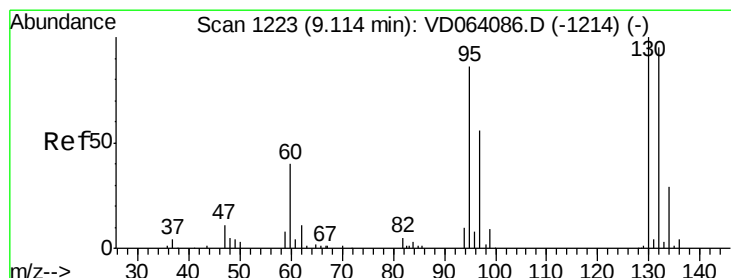
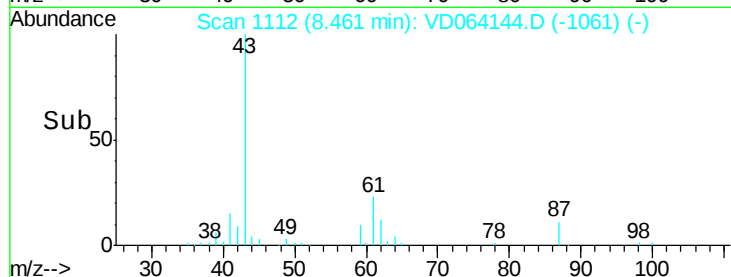
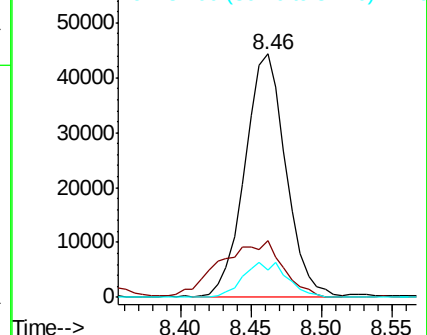
43 100

61 35.2 25.8 38.8

87 15.5 13.0 19.4



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: 49.702 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. 0.00 min

Lab File: VD064144.D

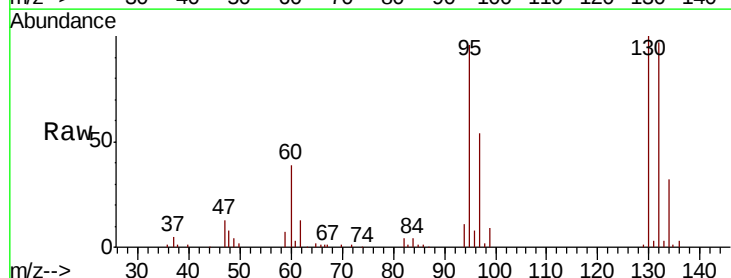
Acq: 31 Oct 2019 21:34

Tgt Ion: 130 Resp: 123423

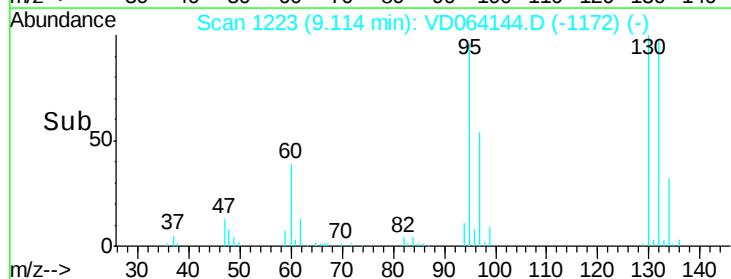
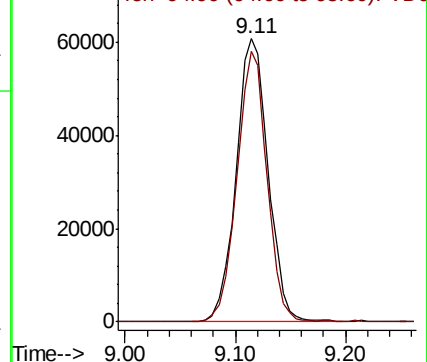
Ion Ratio Lower Upper

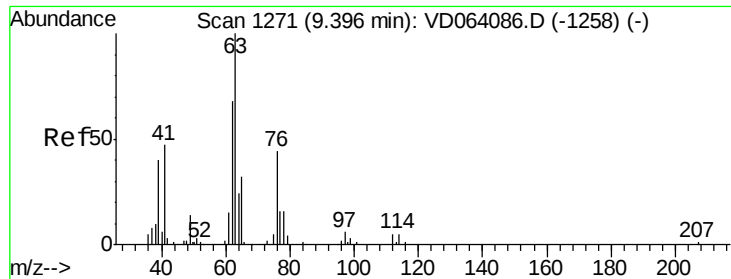
130 100

95 95.7 0.0 173.0



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





#45

1,2-Dichloropropane

Concen: 49.166 ug/l

RT: 9.40 min Scan# 1271

Delta R.T. 0.00 min

Lab File: VD064144.D

Acq: 31 Oct 2019 21:34

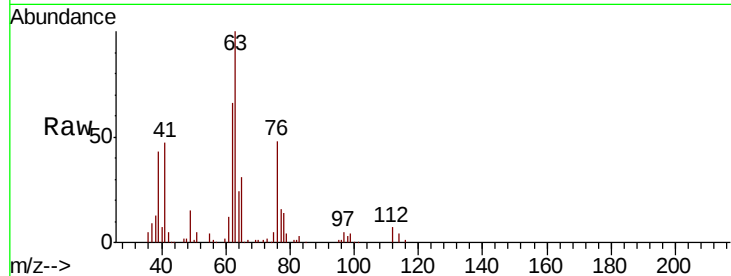
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 63 Resp: 93355

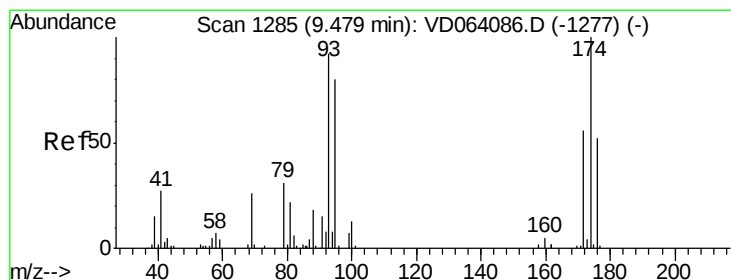
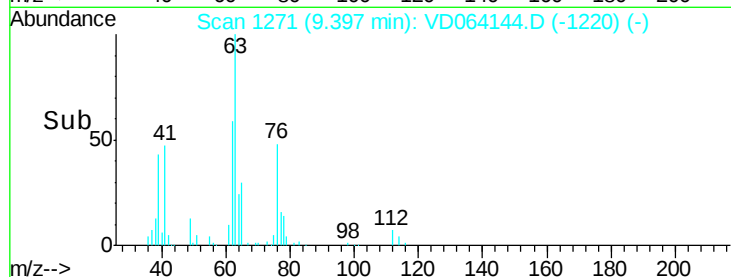
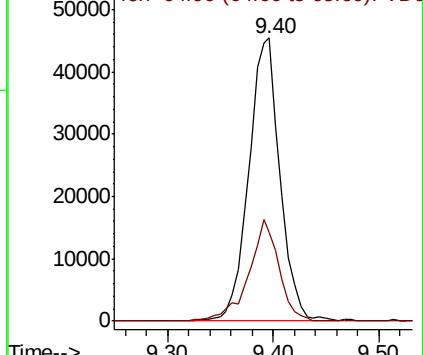
Ion Ratio Lower Upper

63 100

65 31.2 25.8 38.8



Abundance Ion 62.90 (62.60 to 63.60): VDC
Ion 64.90 (64.60 to 65.60): VDC



#46

Dibromomethane

Concen: 52.780 ug/l

RT: 9.48 min Scan# 1286

Delta R.T. 0.01 min

Lab File: VD064144.D

Acq: 31 Oct 2019 21:34

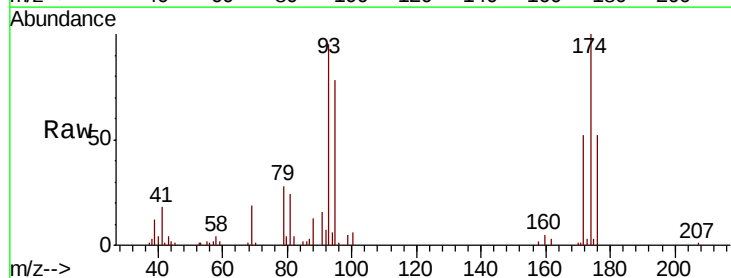
Tgt Ion: 93 Resp: 60357

Ion Ratio Lower Upper

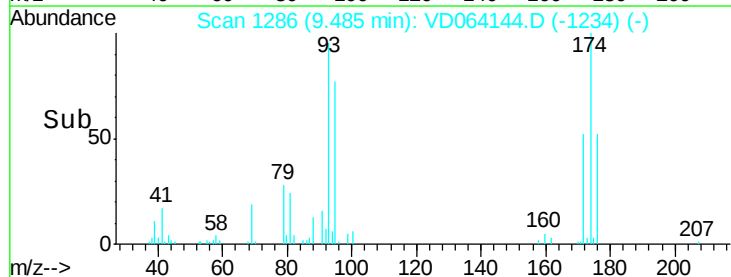
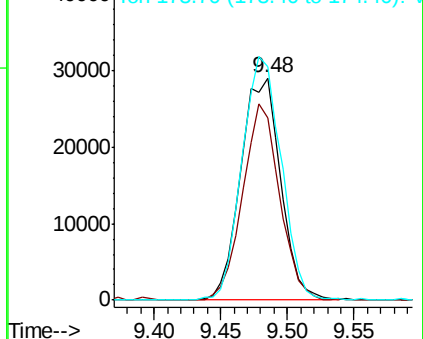
93 100

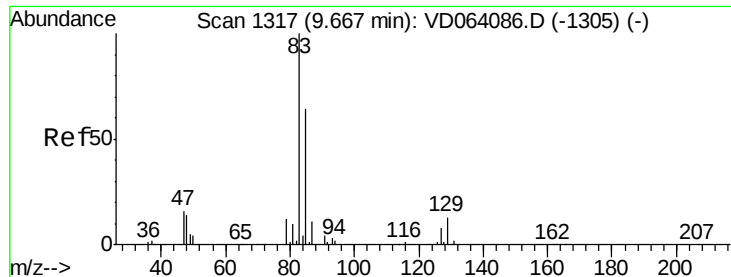
95 81.3 67.4 101.2

174 107.3 86.4 129.6



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: 51.883 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VD064144.D

Acq: 31 Oct 2019 21:34

Instrument :

MSVOA_D

ClientSampleId :

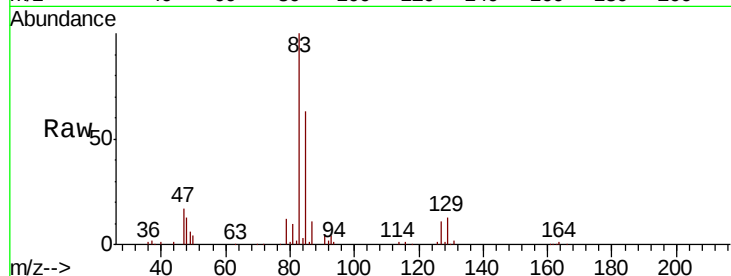
Tot Ion: 83 Resp: 149680

Ion Ratio Lower Upper

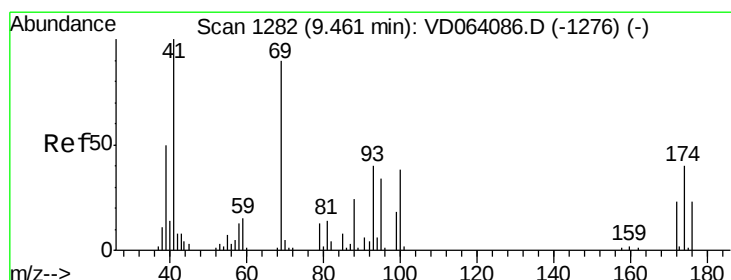
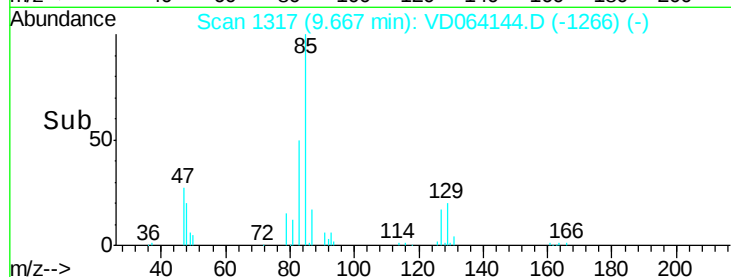
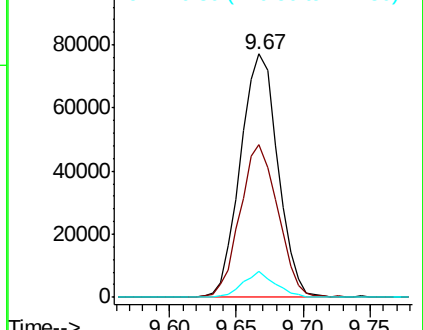
83 100

85 62.9 51.4 77.0

127 10.7 6.7 10.1#



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: 52.146 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VD064144.D

Acq: 31 Oct 2019 21:34

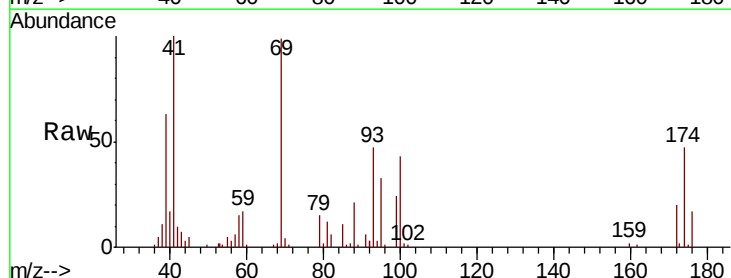
Tgt Ion: 41 Resp: 45069

Ion Ratio Lower Upper

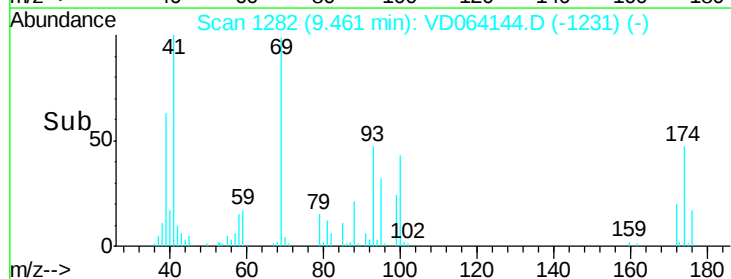
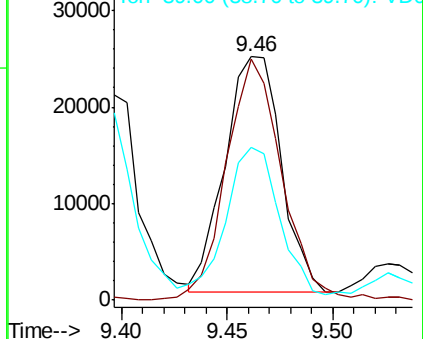
41 100

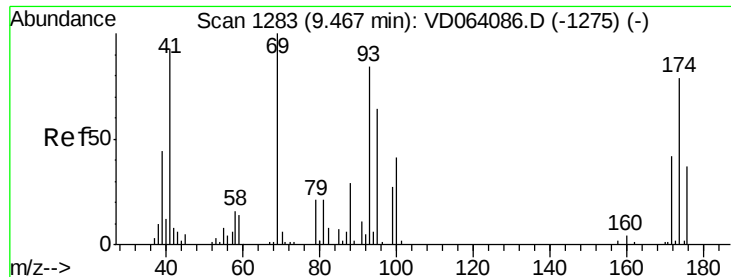
69 102.0 82.6 124.0

39 64.4 47.0 70.4



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: 1141.630 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. 0.01 min

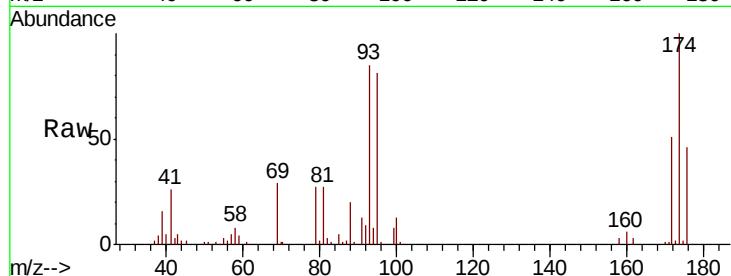
Lab File: VD064144.D

Acq: 31 Oct 2019 21:34

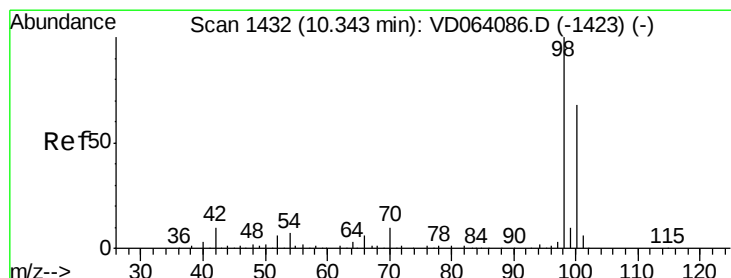
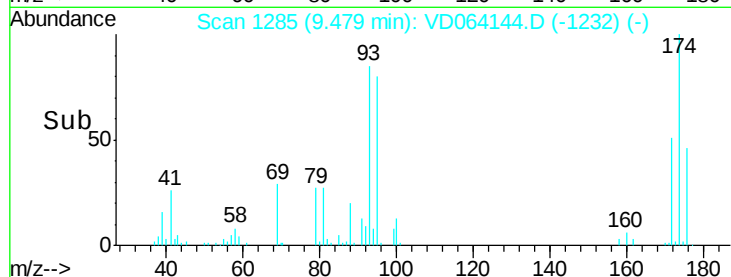
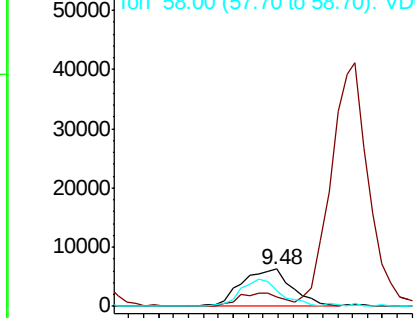
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 88 Resp: 14944

Ion	Ratio	Lower	Upper
88	100		
43	29.8	13.4	20.0#
58	57.3	46.7	70.1



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: 48.728 ug/l

RT: 10.34 min Scan# 1432

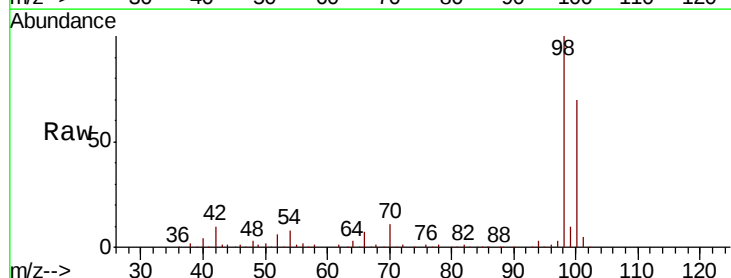
Delta R.T. 0.00 min

Lab File: VD064144.D

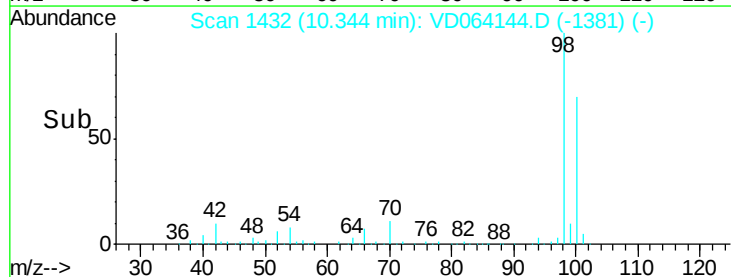
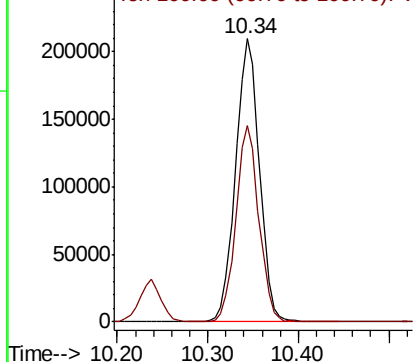
Acq: 31 Oct 2019 21:34

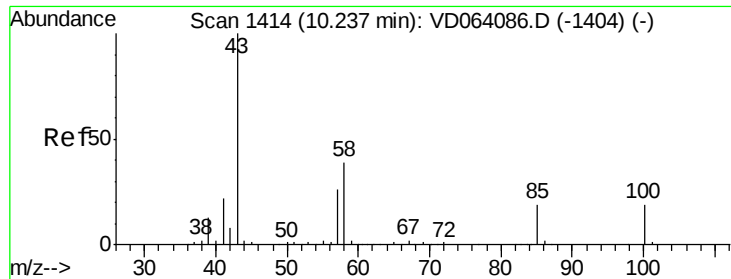
Tgt Ion: 98 Resp: 384419

Ion	Ratio	Lower	Upper
98	100		
100	66.7	53.4	80.0



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: 256.898 ug/l

RT: 10.24 min Scan# 1414

Delta R.T. 0.00 min

Lab File: VD064144.D

Acq: 31 Oct 2019 21:34

Instrument :

MSVOA_D

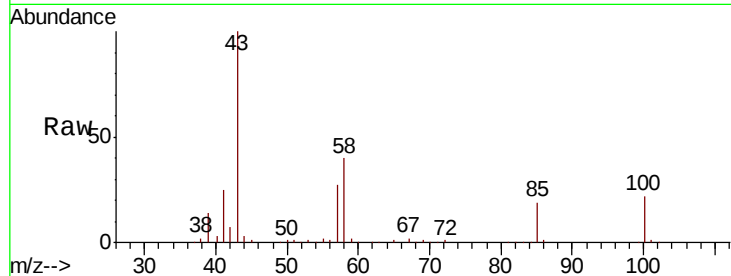
ClientSampleId :

Tot Ion: 43 Resp: 261383

Ion Ratio Lower Upper

43 100

58 41.0 33.0 49.4



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

10.24

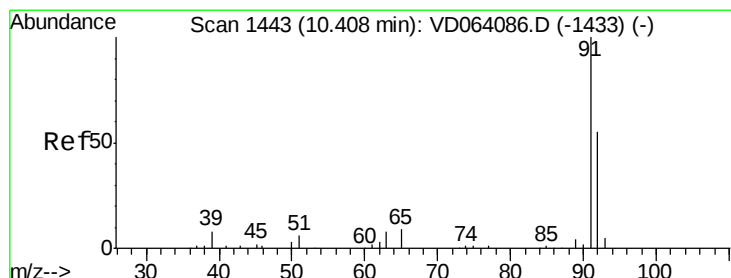
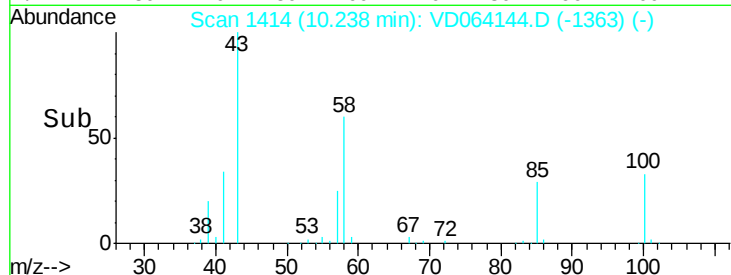
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 51.473 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. 0.00 min

Lab File: VD064144.D

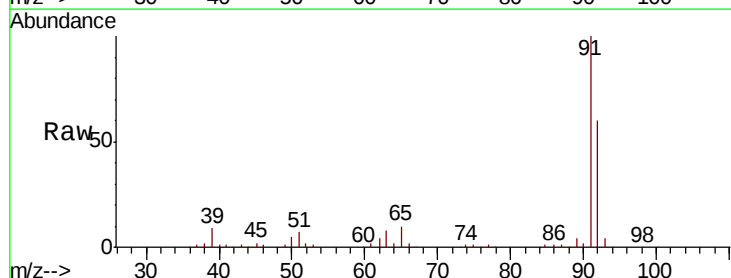
Acq: 31 Oct 2019 21:34

Tgt Ion: 92 Resp: 295546

Ion Ratio Lower Upper

92 100

91 169.9 140.7 211.1



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

10.41

300000

250000

200000

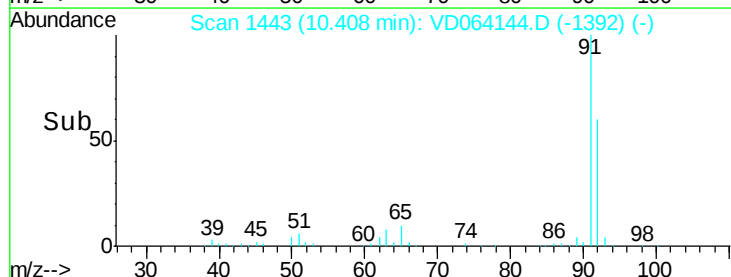
150000

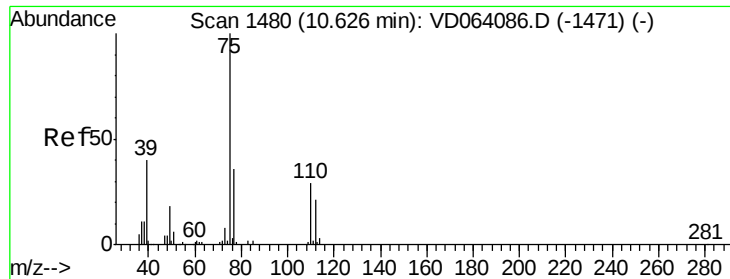
100000

50000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 51.215 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. 0.00 min

Lab File: VD064144.D

Acq: 31 Oct 2019 21:34

Instrument :

MSVOA_D

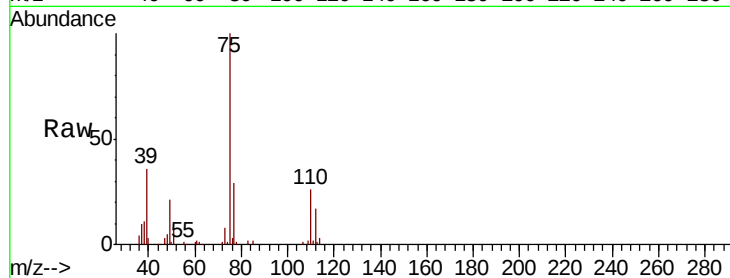
ClientSampleId :

Tot Ion: 75 Resp: 137923

Ion Ratio Lower Upper

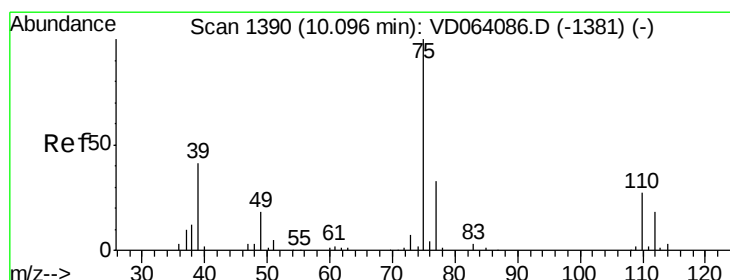
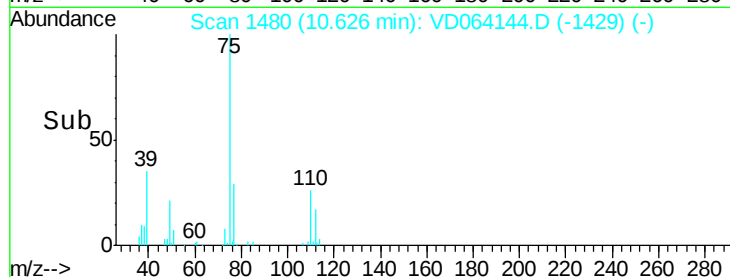
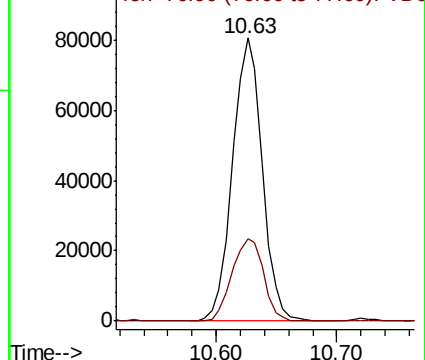
75 100

77 29.1 28.7 43.1



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 76.90 (76.60 to 77.60): VDC



#54

cis-1,3-Dichloropropene

Concen: 50.888 ug/l

RT: 10.10 min Scan# 1390

Delta R.T. 0.00 min

Lab File: VD064144.D

Acq: 31 Oct 2019 21:34

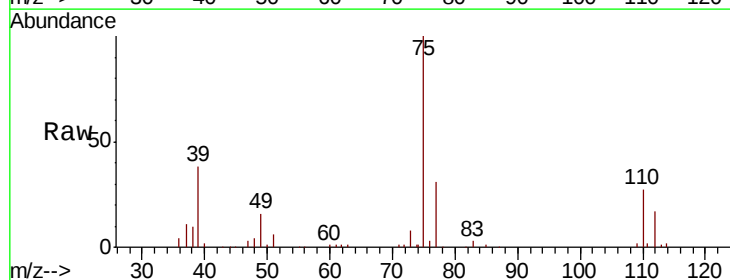
Tgt Ion: 75 Resp: 161230

Ion Ratio Lower Upper

75 100

77 31.1 26.8 40.2

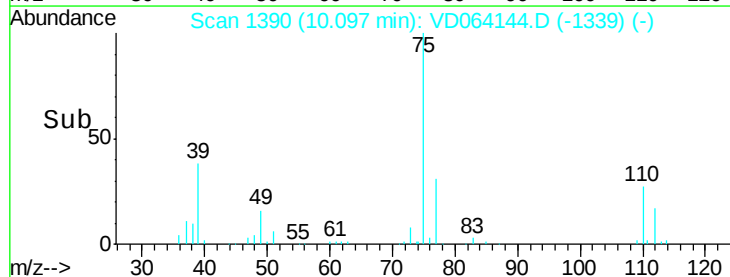
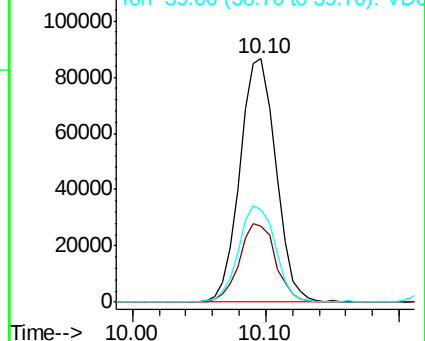
39 38.0 32.7 49.1

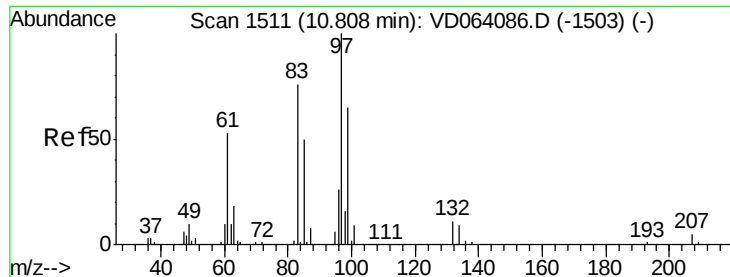


Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 76.90 (76.60 to 77.60): VDC

Ion 39.00 (38.70 to 39.70): VDC





#55

1,1,2-Trichloroethane

Concen: 50.815 ug/l

RT: 10.81 min Scan# 1511

Delta R.T. 0.00 min

Lab File: VD064144.D

Acq: 31 Oct 2019 21:34

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 97 Resp: 82388

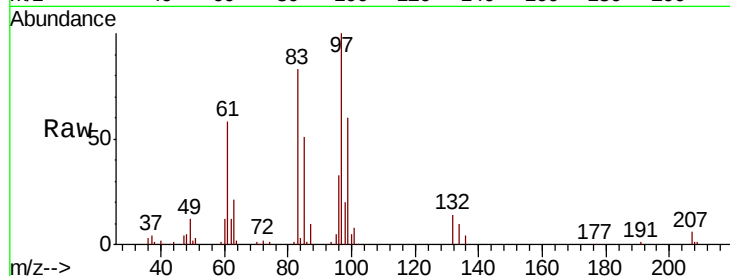
Ion	Ratio	Lower	Upper
97	100		
83	82.7	60.9	91.3
85	50.8	40.2	60.2
99	59.8	51.9	77.9

97 100

83 82.7 60.9 91.3

85 50.8 40.2 60.2

99 59.8 51.9 77.9

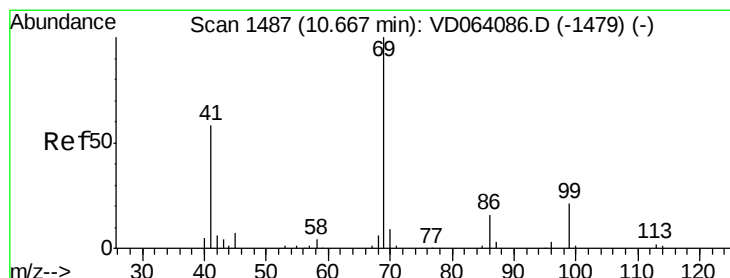
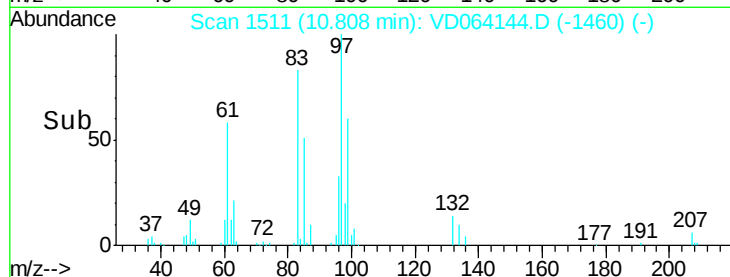
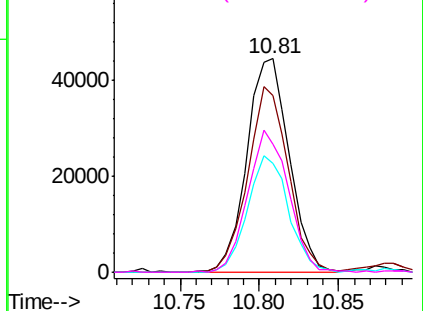


Abundance Ion 96.90 (96.60 to 97.60): VDC

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: 46.912 ug/l

RT: 10.67 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VD064144.D

Acq: 31 Oct 2019 21:34

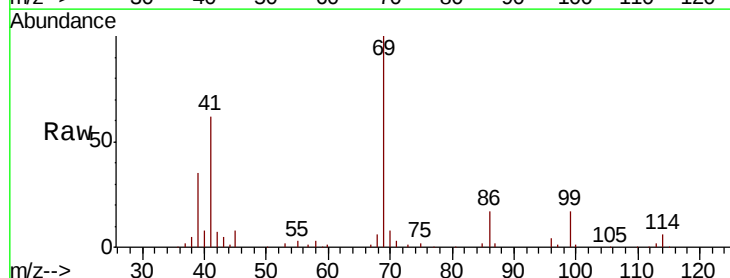
Tgt Ion: 69 Resp: 92055

Ion	Ratio	Lower	Upper
69	100		
41	61.6	46.9	70.3
39	32.7	27.3	40.9

69 100

41 61.6 46.9 70.3

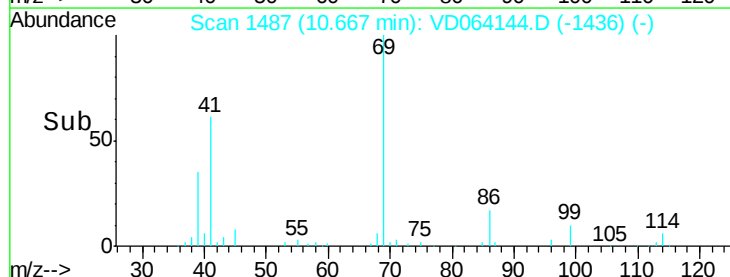
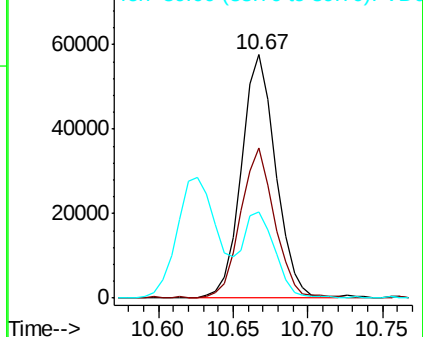
39 32.7 27.3 40.9

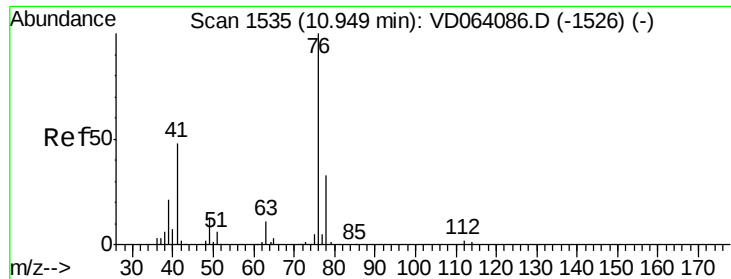


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

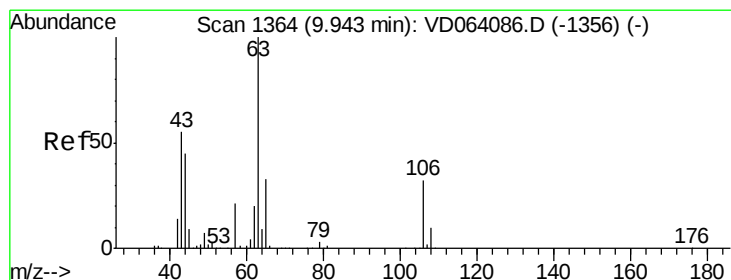
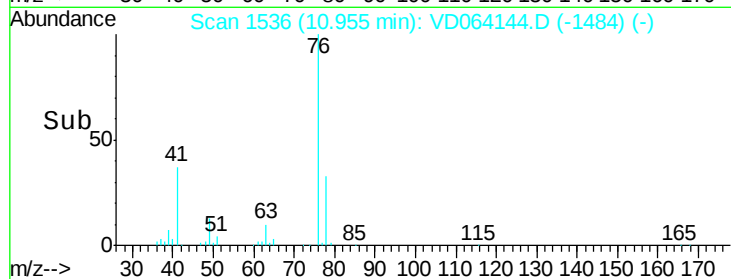
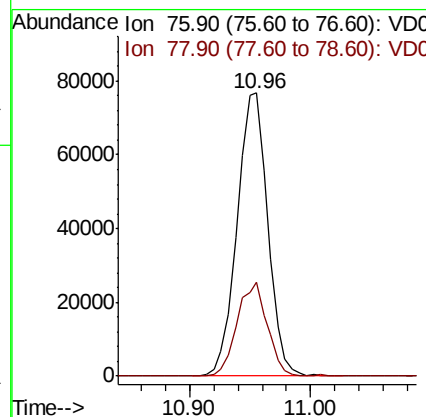
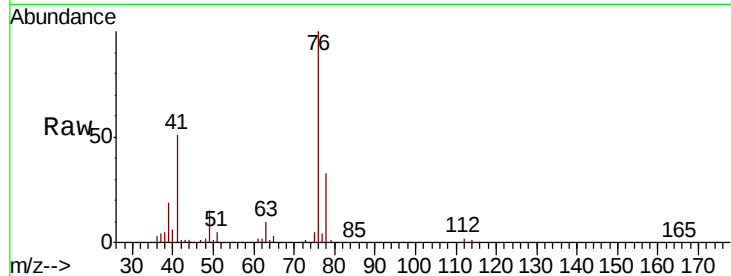




#57
 1,3-Dichloropropane
 Concen: 50.678 ug/l
 RT: 10.96 min Scan# 1536
 Delta R.T. 0.01 min
 Lab File: VD064144.D
 Acq: 31 Oct 2019 21:34

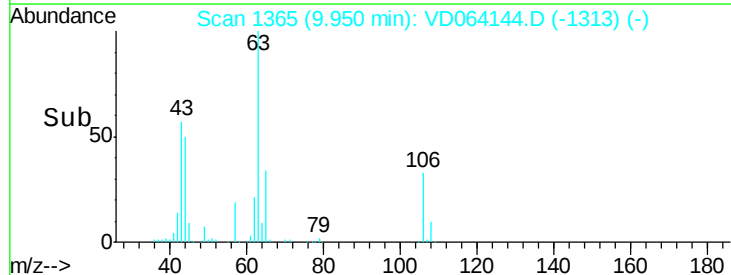
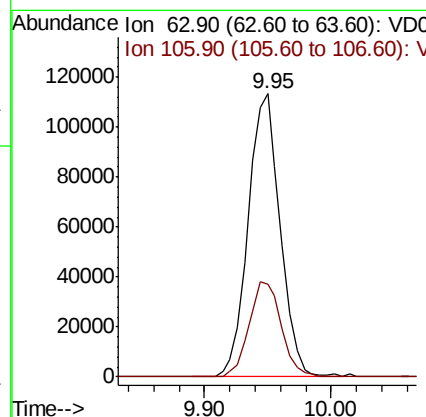
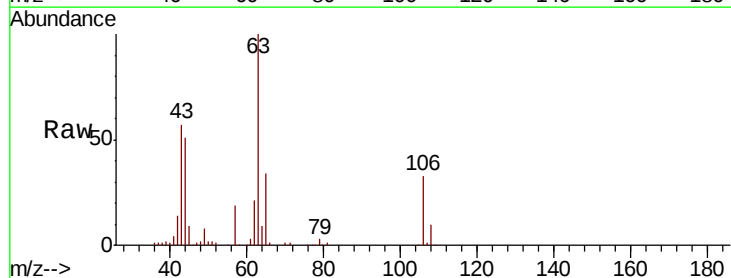
Instrument :
 MSVOA_D
 ClientSampleId :

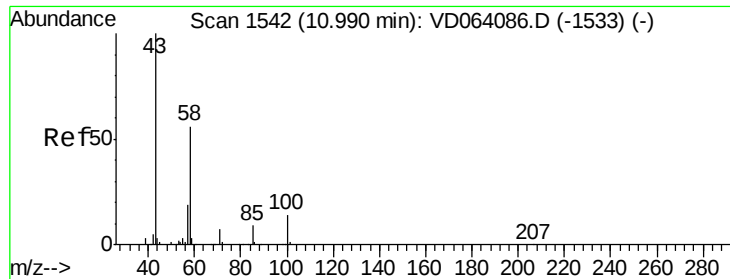
Tot Ion: 76 Resp: 135890
 Ion Ratio Lower Upper
 76 100
 78 32.8 25.9 38.9



#58
 2-Chloroethyl Vinyl ether
 Concen: 279.745 ug/l
 RT: 9.95 min Scan# 1365
 Delta R.T. 0.01 min
 Lab File: VD064144.D
 Acq: 31 Oct 2019 21:34

Tgt Ion: 63 Resp: 198708
 Ion Ratio Lower Upper
 63 100
 106 33.8 25.8 38.8

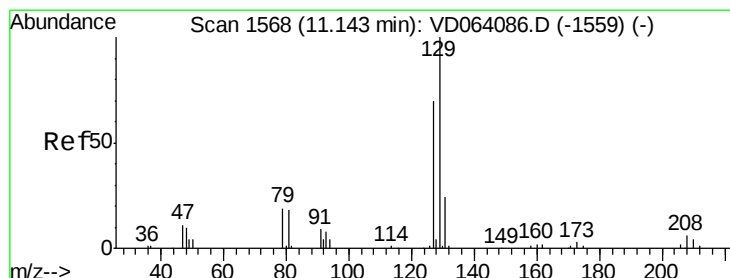
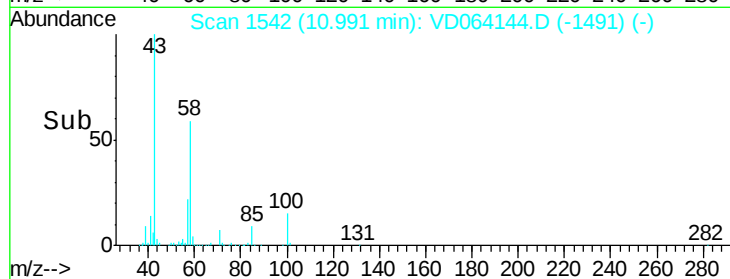
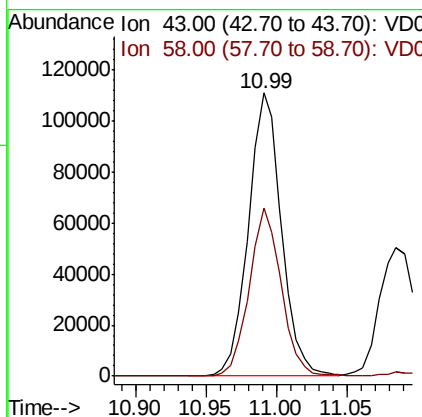
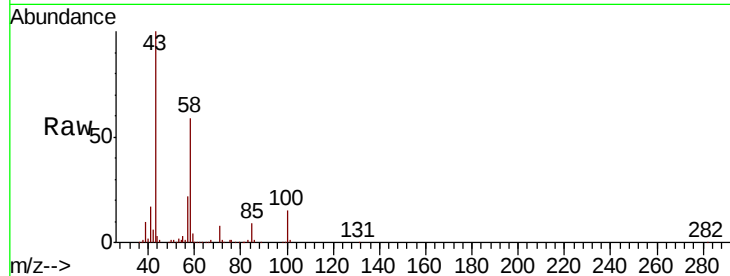




#59
2-Hexanone
Concen: 229.688 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD064144.D
Acq: 31 Oct 2019 21:34

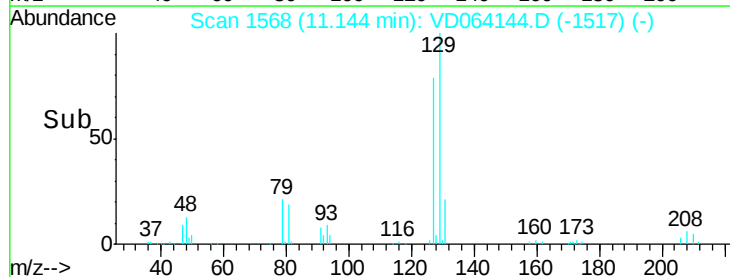
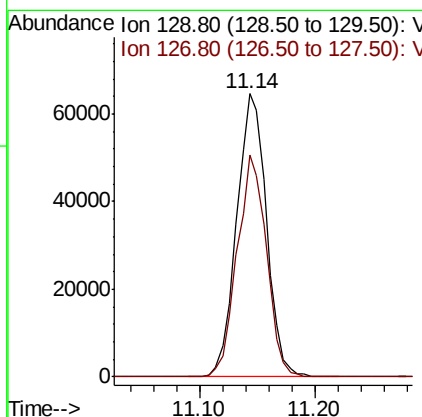
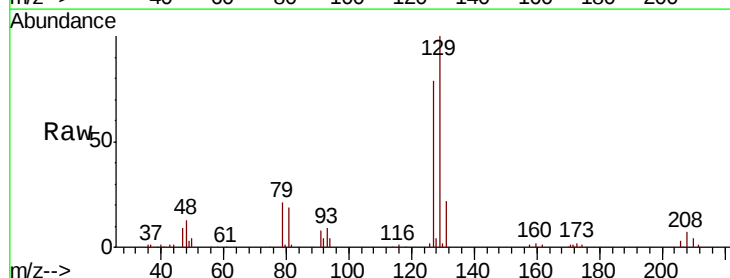
Instrument :
MSVOA_D
ClientSampled :

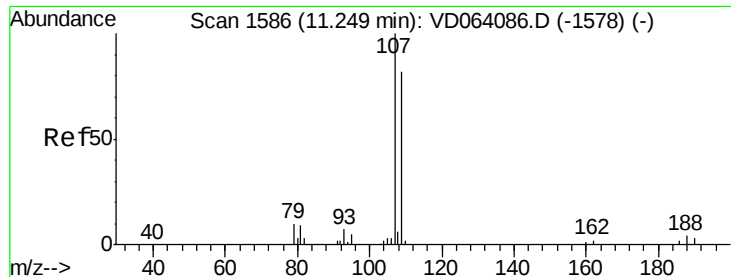
Tot Ion: 43 Resp: 182588
Ion Ratio Lower Upper
43 100
58 57.8 29.2 87.6



#60
Dibromochloromethane
Concen: 52.345 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD064144.D
Acq: 31 Oct 2019 21:34

Tgt Ion: 129 Resp: 115191
Ion Ratio Lower Upper
129 100
127 77.6 38.3 114.8

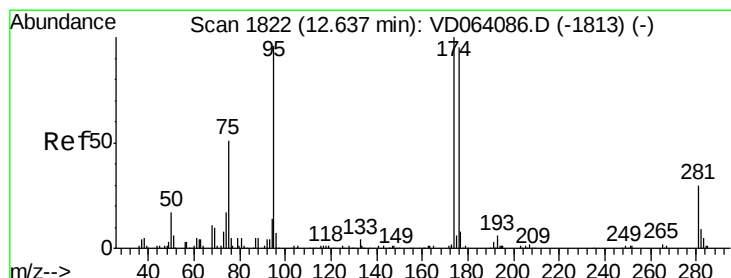
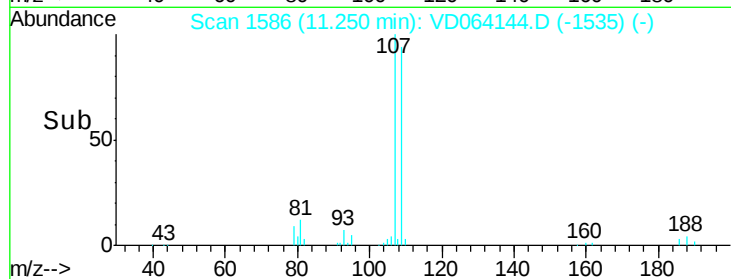
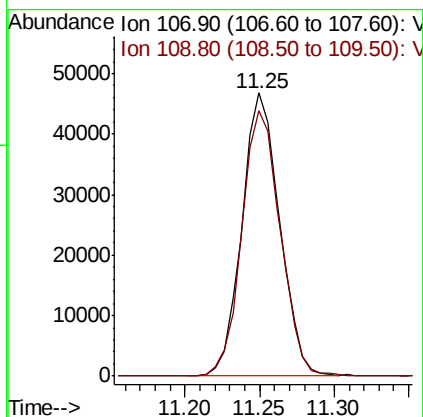
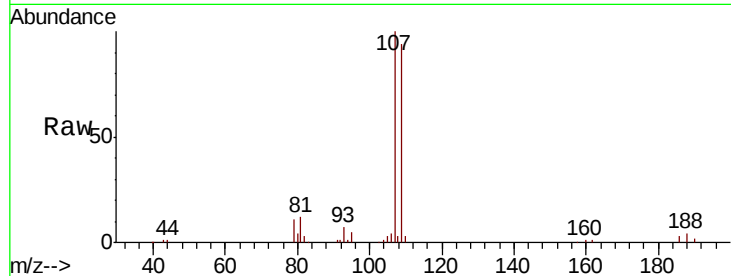




#61
 1,2-Dibromoethane
 Concen: 50.363 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD064144.D
 Acq: 31 Oct 2019 21:34

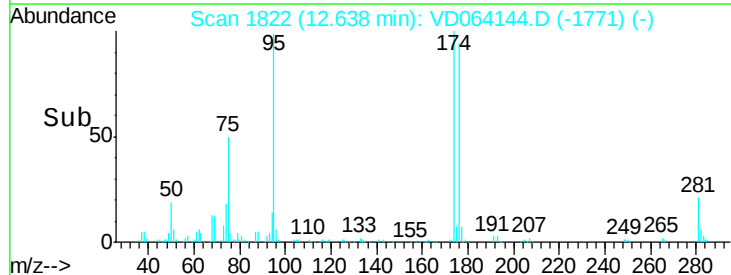
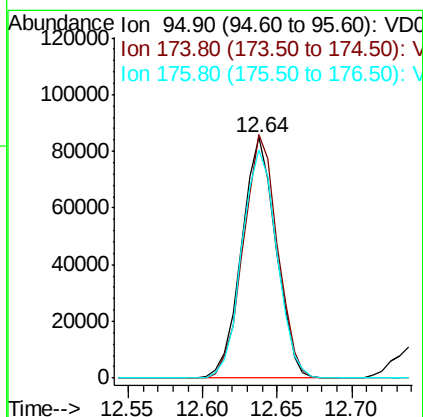
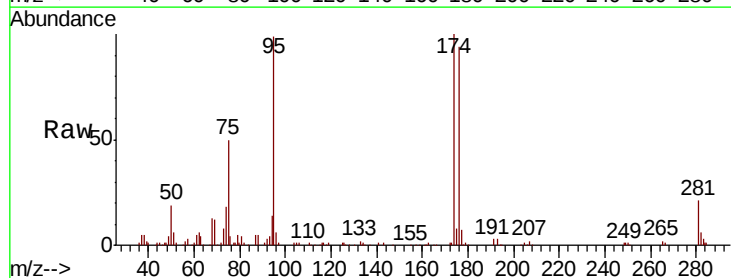
Instrument :
 MSVOA_D
 ClientSampled :

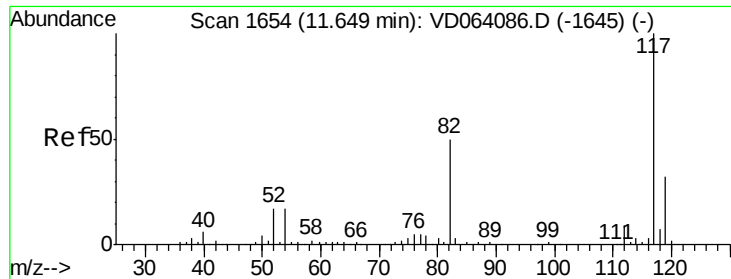
Tot Ion:107 Resp: 81668
 Ion Ratio Lower Upper
 107 100
 109 95.7 73.0 109.4



#62
 4-Bromofluorobenzene
 Concen: 51.937 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD064144.D
 Acq: 31 Oct 2019 21:34

Tgt Ion: 95 Resp: 135839
 Ion Ratio Lower Upper
 95 100
 174 100.5 0.0 201.6
 176 96.1 0.0 192.6

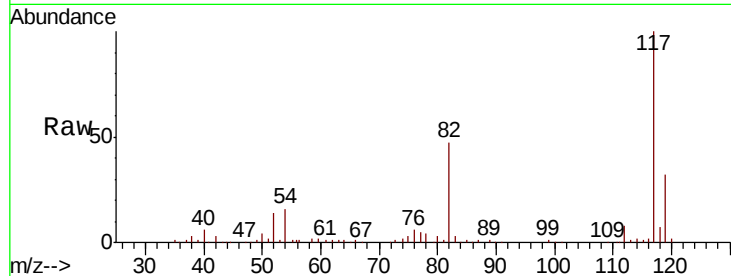




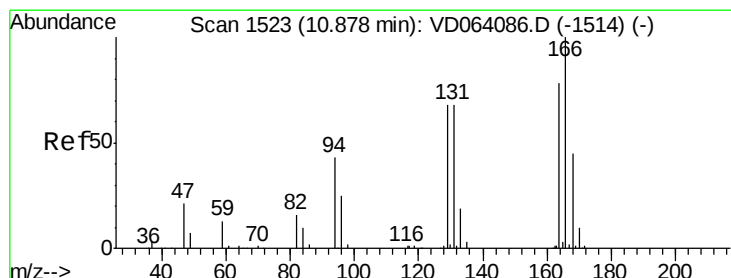
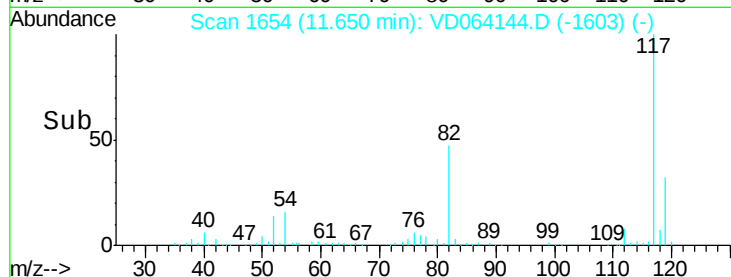
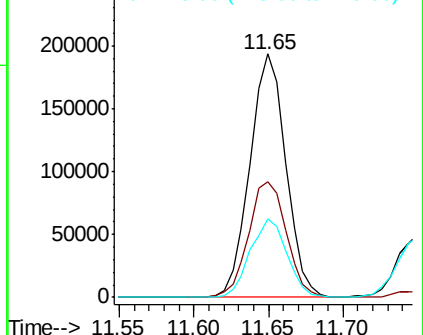
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD064144.D
Acq: 31 Oct 2019 21:34

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 321976
Ion Ratio Lower Upper
117 100
82 47.4 40.2 60.4
119 32.0 26.0 39.0

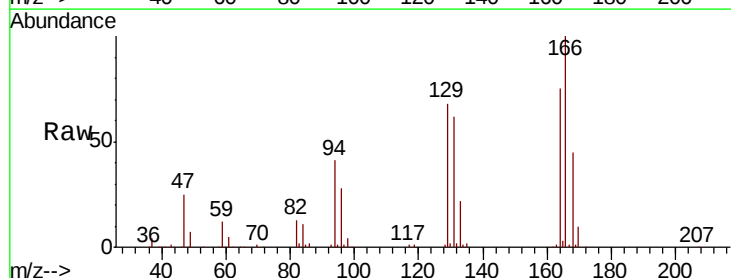


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

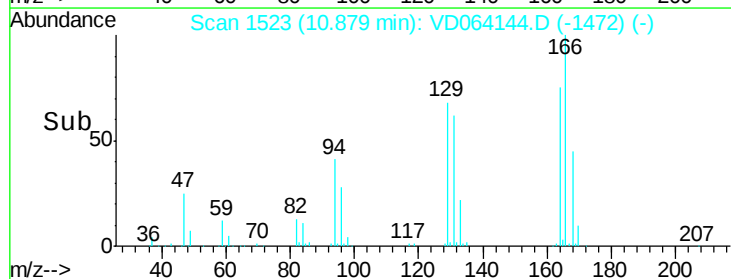
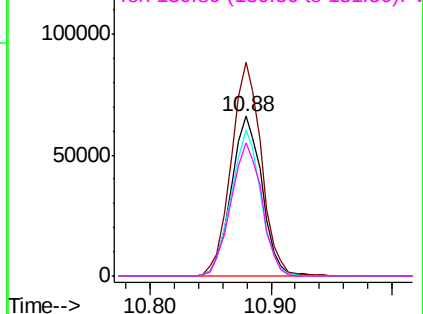


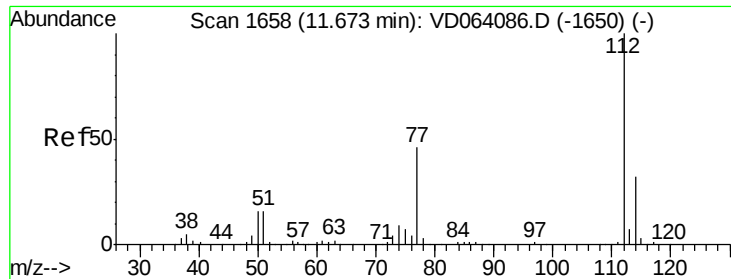
#64
Tetrachloroethene
Concen: 50.442 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD064144.D
Acq: 31 Oct 2019 21:34

Tgt Ion:164 Resp: 116676
Ion Ratio Lower Upper
164 100
166 133.6 102.7 154.1
129 91.5 69.8 104.6
131 83.5 69.4 104.0



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

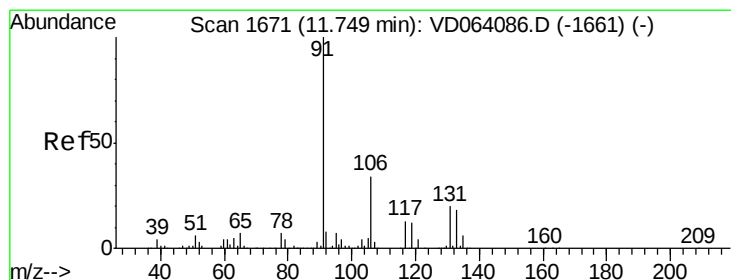
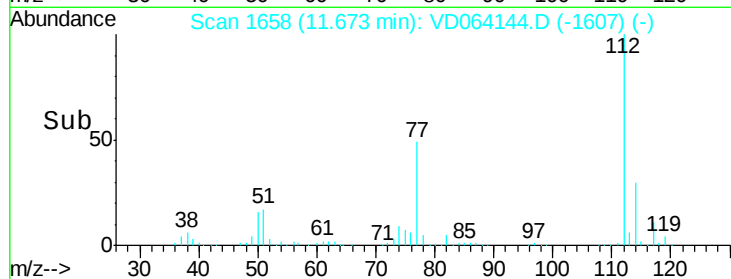
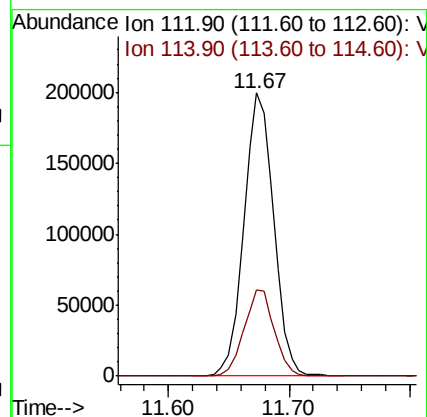
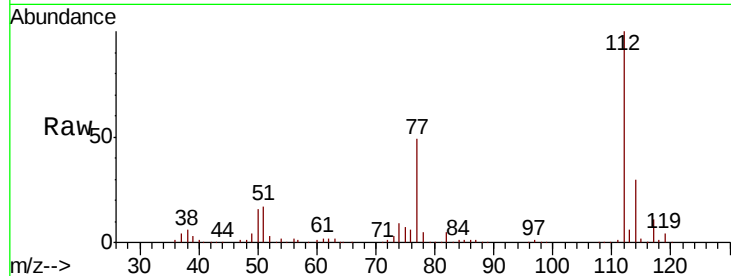




#65
Chlorobenzene
Concen: 51.476 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD064144.D
Acq: 31 Oct 2019 21:34

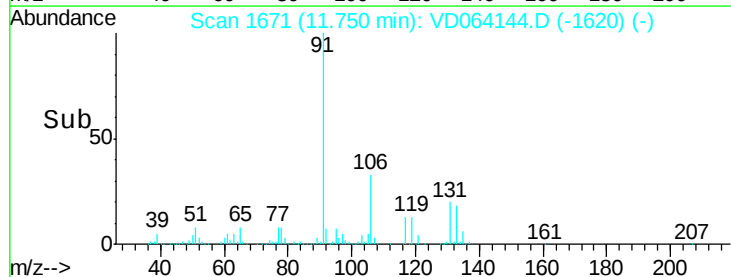
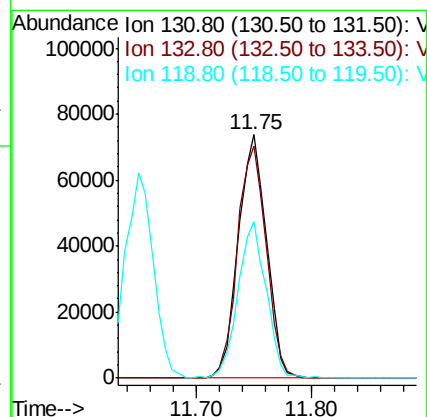
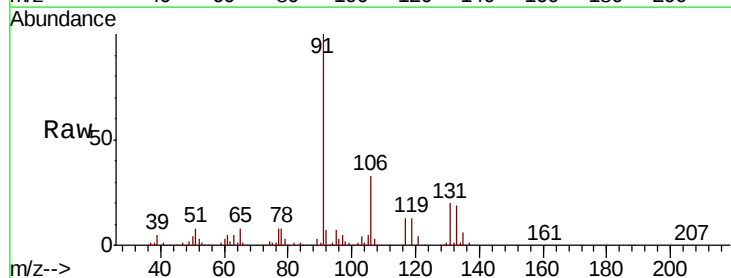
Instrument :
MSVOA_D
ClientSampled :

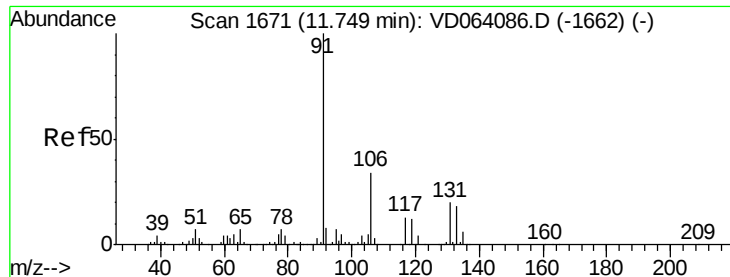
Tot Ion:112 Resp: 342455
Ion Ratio Lower Upper
112 100
114 30.5 25.4 38.0



#66
1,1,1,2-Tetrachloroethane
Concen: 50.445 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD064144.D
Acq: 31 Oct 2019 21:34

Tgt Ion:131 Resp: 125574
Ion Ratio Lower Upper
131 100
133 96.6 47.6 142.9
119 64.3 31.4 94.3





#67

Ethyl Benzene

Concen: 50.097 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD064144.D

Acq: 31 Oct 2019 21:34

Instrument :

MSVOA_D

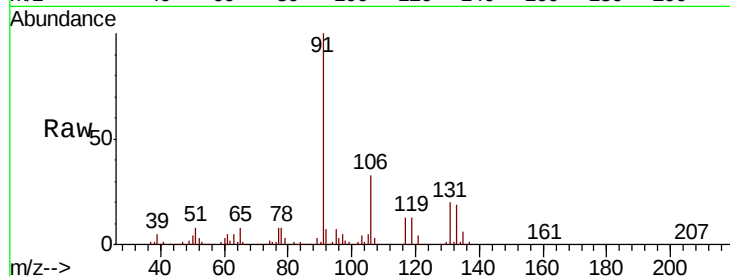
ClientSampleId :

Tot Ion: 91 Resp: 592795

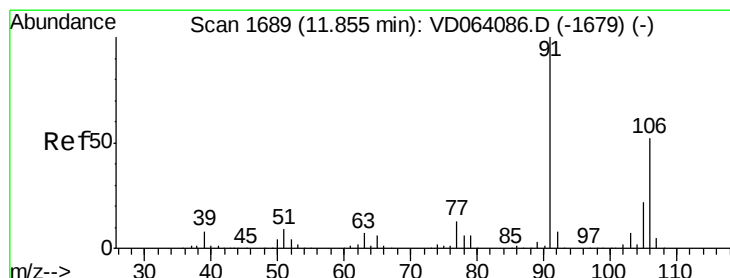
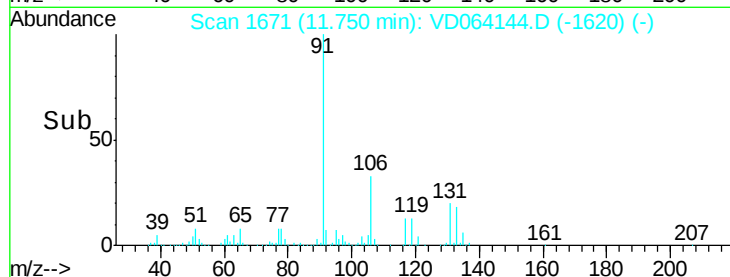
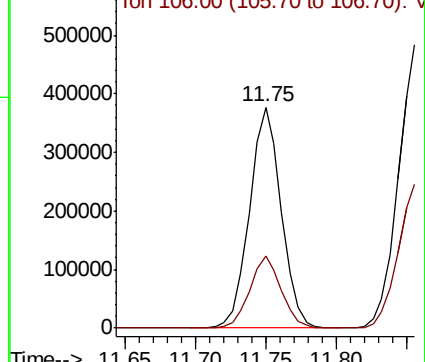
Ion Ratio Lower Upper

91 100

106 32.8 27.0 40.6



Abundance Ion 91.00 (90.70 to 91.70): VDC



#68

m/p-Xylenes

Concen: 100.192 ug/l

RT: 11.86 min Scan# 1690

Delta R.T. 0.01 min

Lab File: VD064144.D

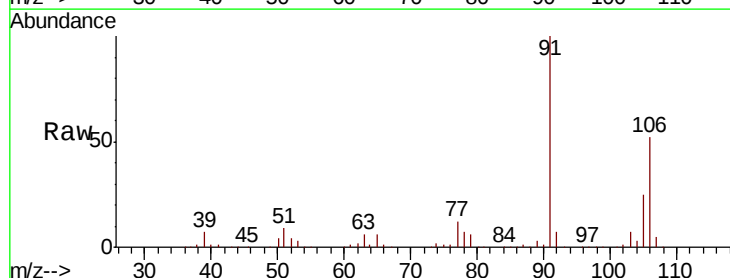
Acq: 31 Oct 2019 21:34

Tgt Ion: 106 Resp: 476869

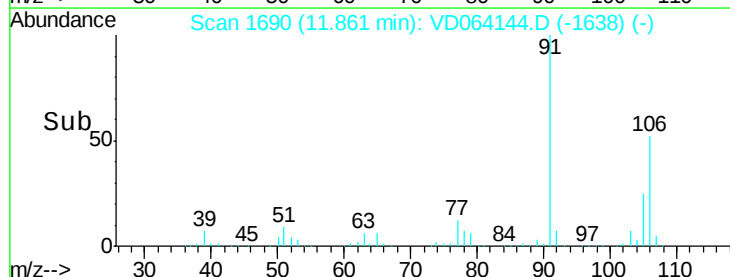
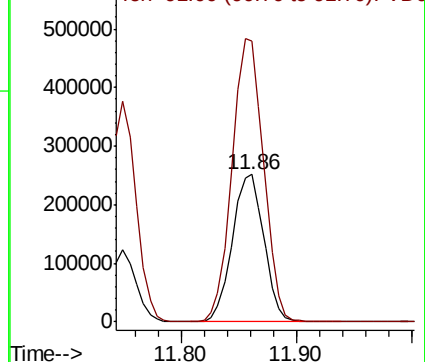
Ion Ratio Lower Upper

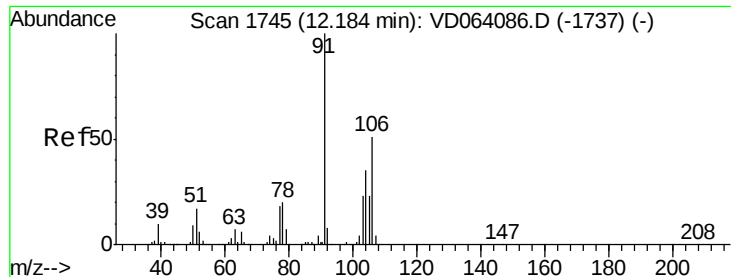
106 100

91 191.8 154.0 231.0



Abundance Ion 106.00 (105.70 to 106.70): VDC

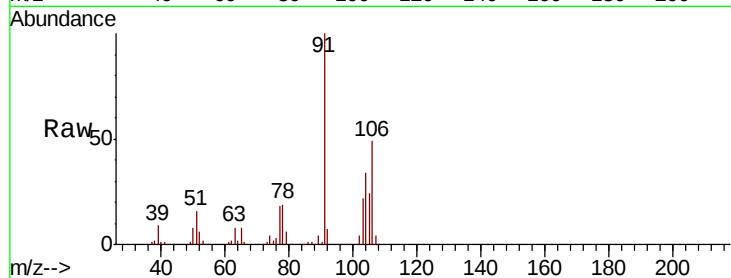




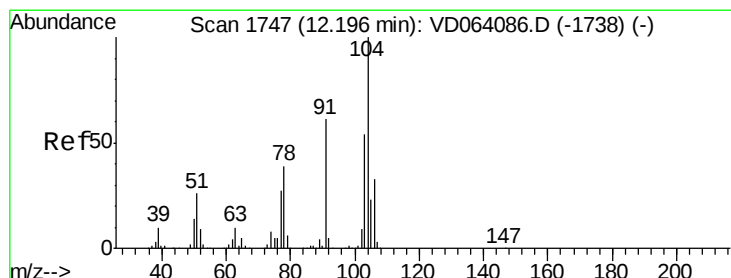
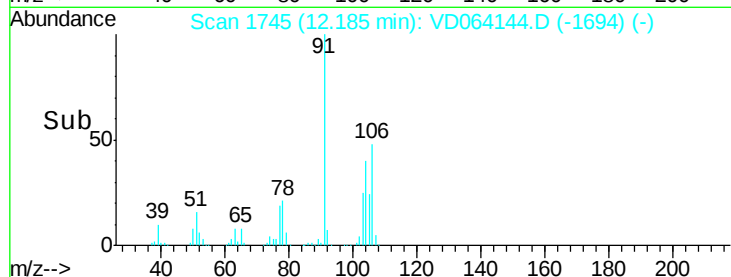
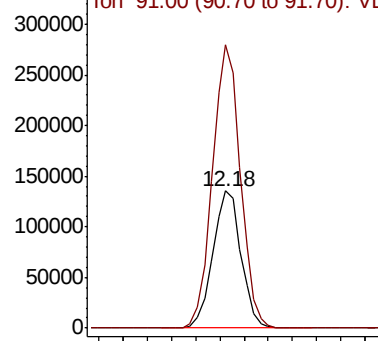
#69
o-Xylene
Concen: 50.830 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD064144.D
Acq: 31 Oct 2019 21:34

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:106 Resp: 220789
Ion Ratio Lower Upper
106 100
91 204.6 100.6 301.9

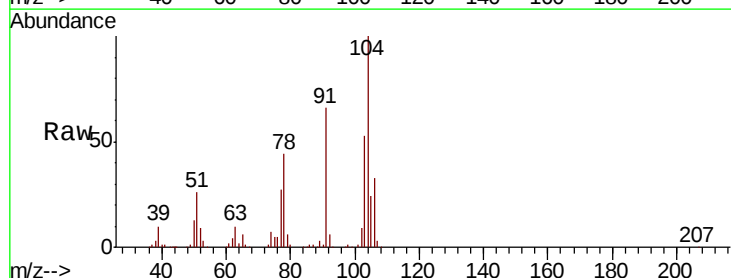


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): V

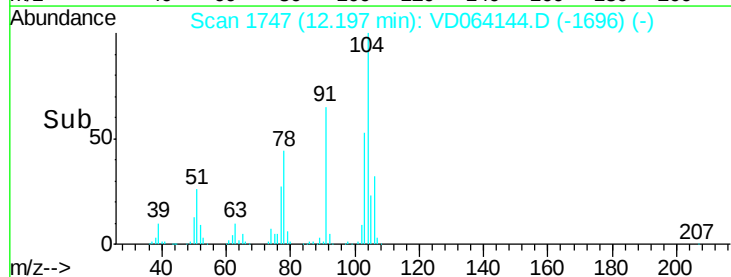
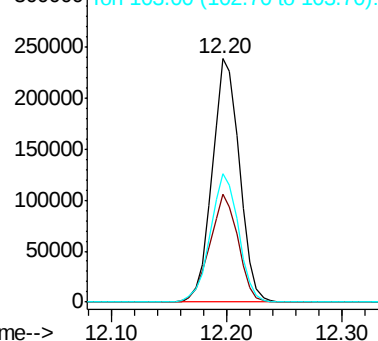


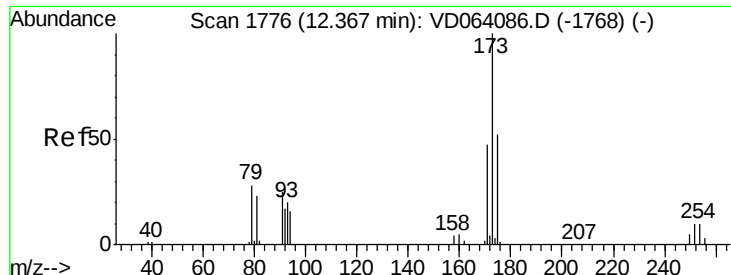
#70
Styrene
Concen: 52.153 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VD064144.D
Acq: 31 Oct 2019 21:34

Tgt Ion:104 Resp: 390704
Ion Ratio Lower Upper
104 100
78 45.7 34.6 51.8
103 54.7 44.2 66.2



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: 53.321 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. 0.00 min

Lab File: VD064144.D

Acq: 31 Oct 2019 21:34

Instrument :

MSVOA_D

ClientSampleId :

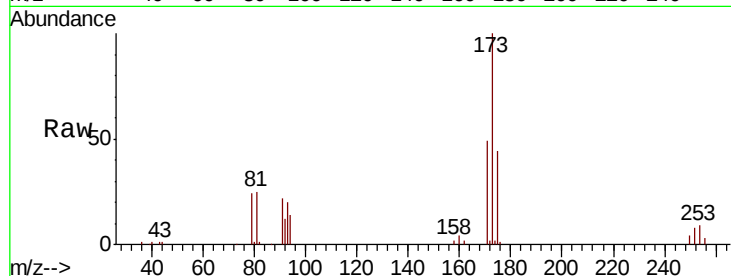
Tot Ion:173 Resp: 70889

Ion Ratio Lower Upper

173 100

175 48.9 24.3 72.9

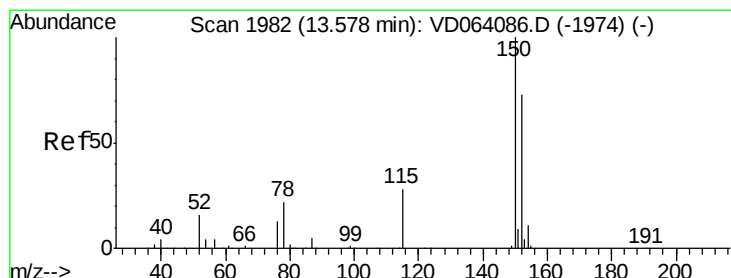
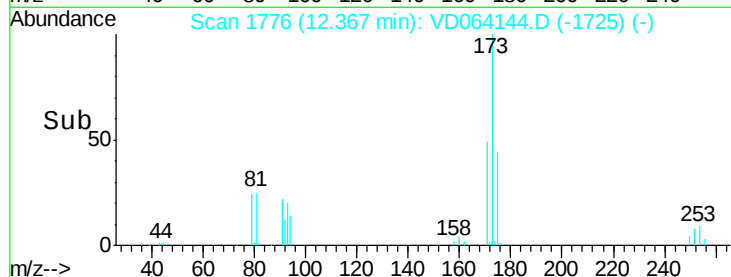
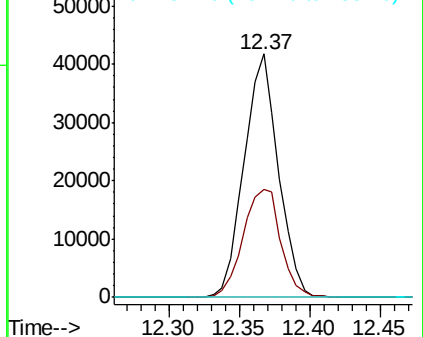
254 0.0 0.0 0.0



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1982

Delta R.T. 0.00 min

Lab File: VD064144.D

Acq: 31 Oct 2019 21:34

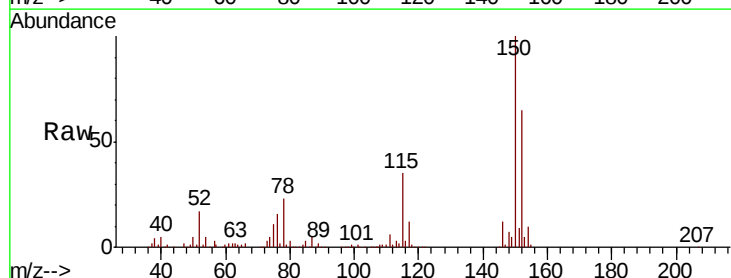
Tgt Ion:152 Resp: 183637

Ion Ratio Lower Upper

152 100

115 52.8 26.2 78.6

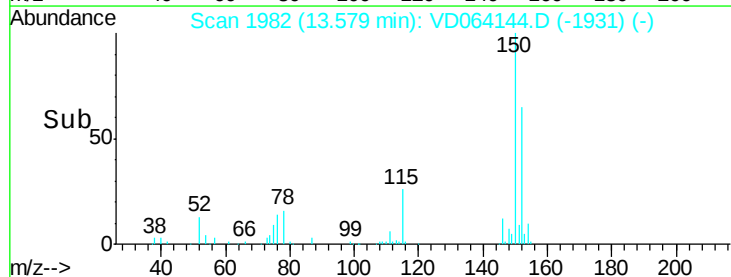
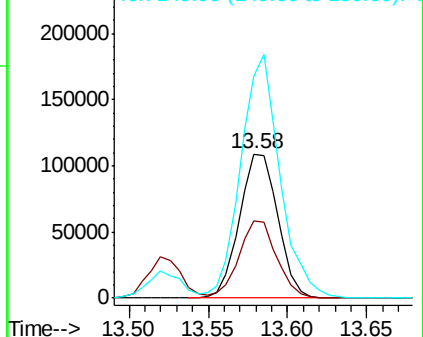
150 171.8 0.0 338.8

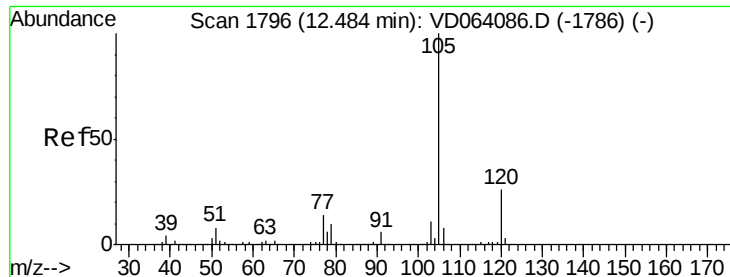


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 46.437 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD064144.D

Acq: 31 Oct 2019 21:34

Instrument :

MSVOA_D

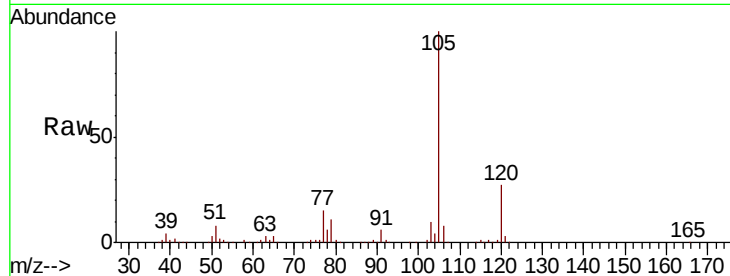
ClientSampleId :

Tot Ion:105 Resp: 592574

Ion Ratio Lower Upper

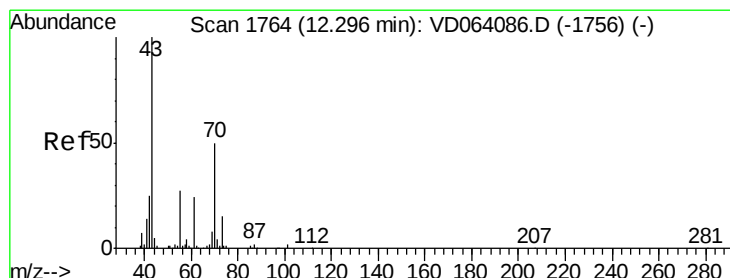
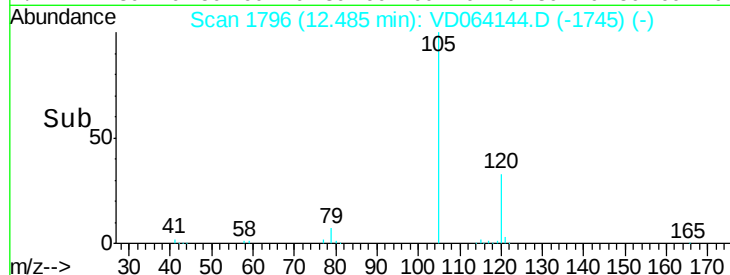
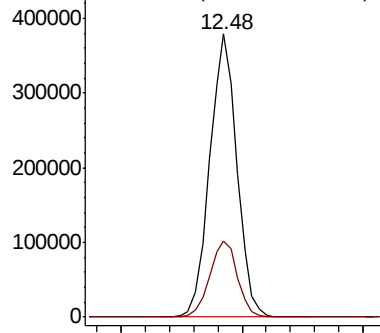
105 100

120 27.4 13.3 39.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 48.683 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. 0.00 min

Lab File: VD064144.D

Acq: 31 Oct 2019 21:34

Tgt Ion: 43 Resp: 103207

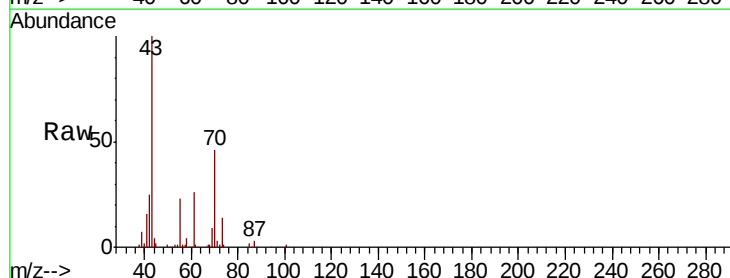
Ion Ratio Lower Upper

43 100

70 49.0 38.6 58.0

55 26.9 20.4 30.6

61 25.9 20.8 31.2

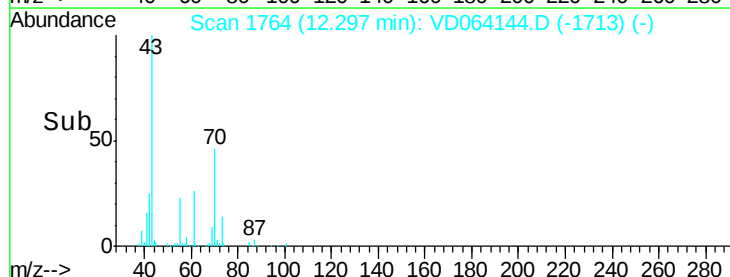
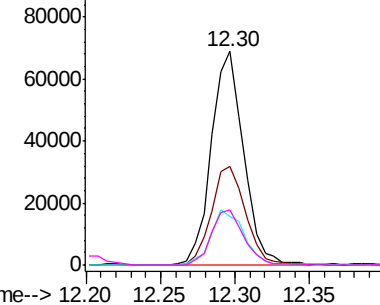


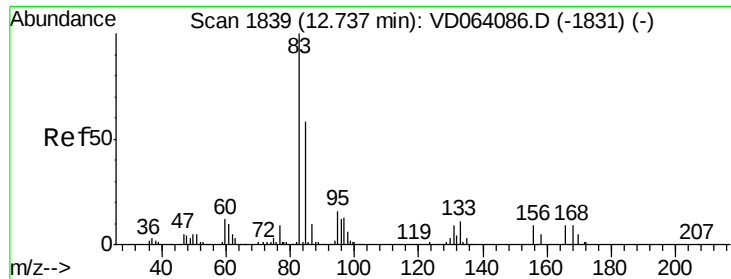
Abundance Ion 43.00 (42.70 to 43.70): V

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





#75

1,1,2,2-Tetrachloroethane

Concen: 47.865 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD064144.D

Acq: 31 Oct 2019 21:34

Instrument :

MSVOA_D

ClientSampleId :

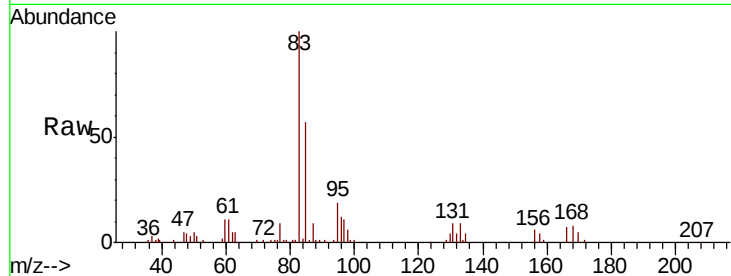
Tot Ion: 83 Resp: 96275

Ion Ratio Lower Upper

83 100

131 11.1 5.7 17.0

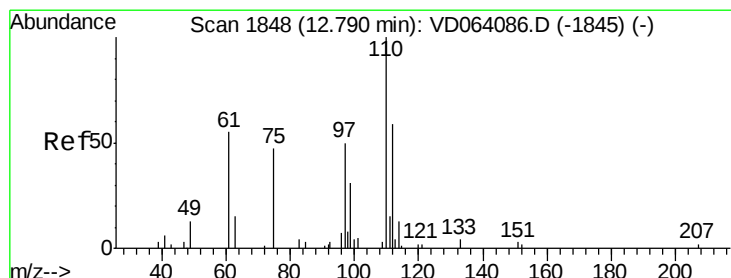
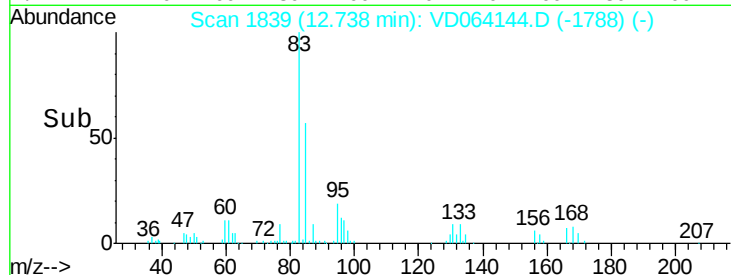
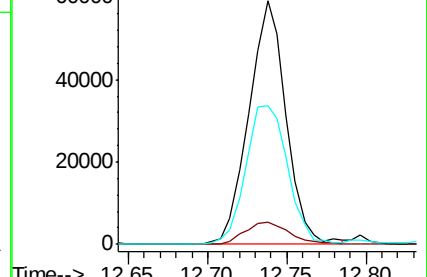
85 64.3 32.1 96.5



Abundance Ion 82.90 (82.60 to 83.60): VDC

Ion 130.80 (130.50 to 131.50): VDC

Ion 84.90 (84.60 to 85.60): VDC



#76

1,2,3-Trichloropropane

Concen: 94.668 ug/l

RT: 12.79 min Scan# 1848

Delta R.T. 0.00 min

Lab File: VD064144.D

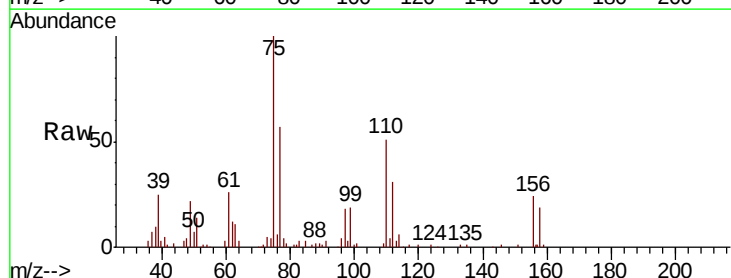
Acq: 31 Oct 2019 21:34

Tgt Ion: 75 Resp: 116814

Ion Ratio Lower Upper

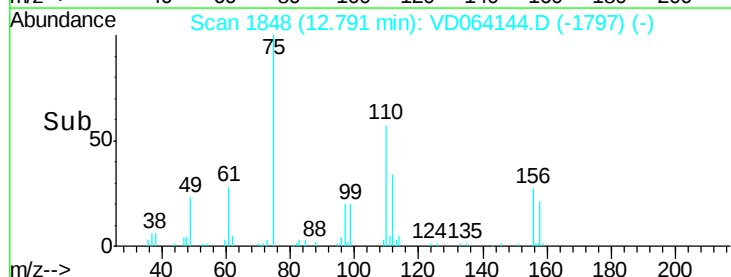
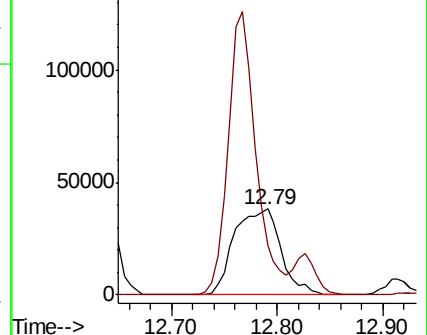
75 100

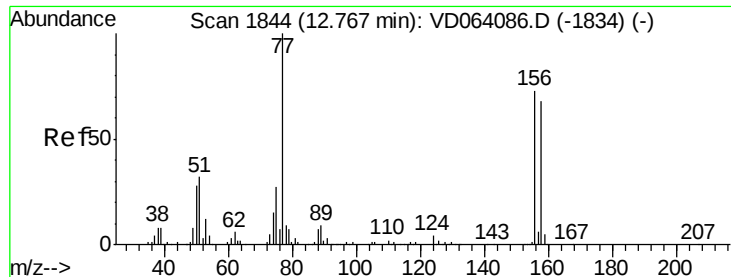
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC





#77

Bromobenzene

Concen: 49.243 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD064144.D

Acq: 31 Oct 2019 21:34

Instrument :

MSVOA_D

ClientSampleId :

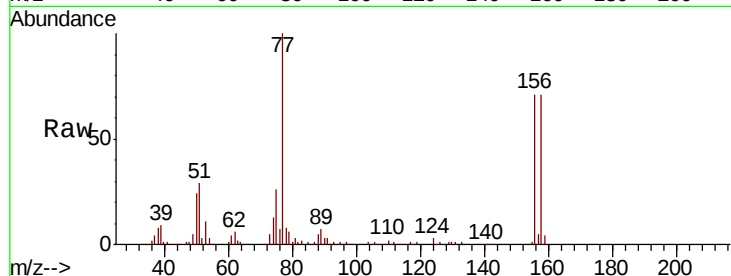
Tot Ion:156 Resp: 151721

Ion Ratio Lower Upper

156 100

77 151.5 76.0 228.0

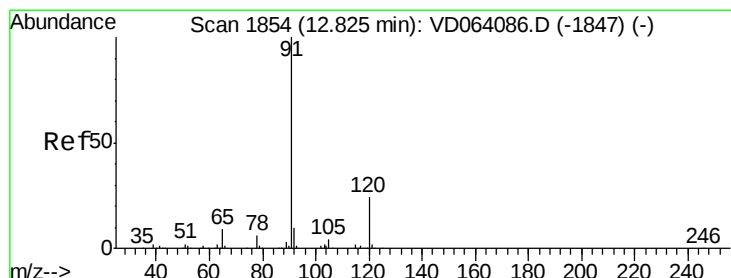
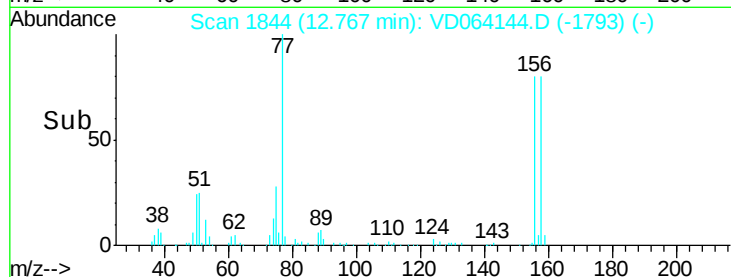
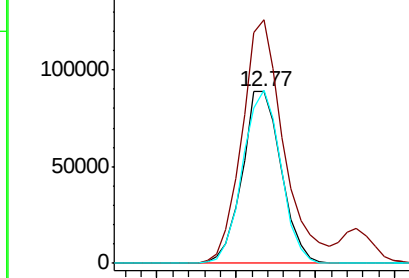
158 98.2 47.6 142.8



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 47.216 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD064144.D

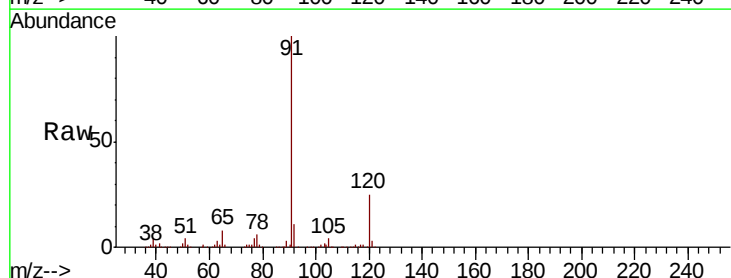
Acq: 31 Oct 2019 21:34

Tgt Ion: 91 Resp: 706086

Ion Ratio Lower Upper

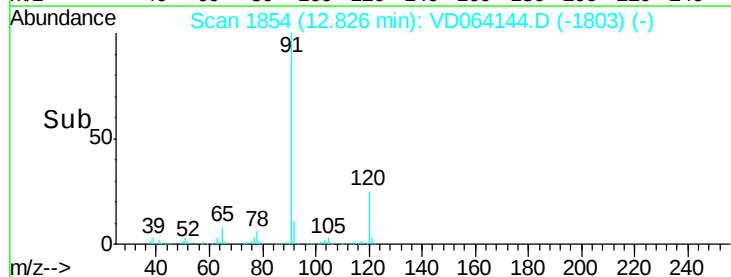
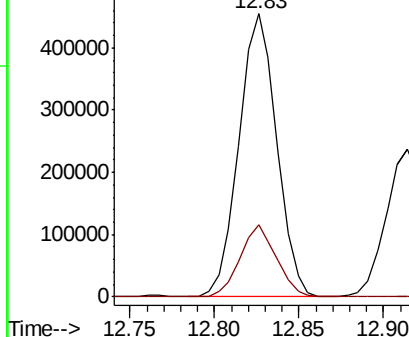
91 100

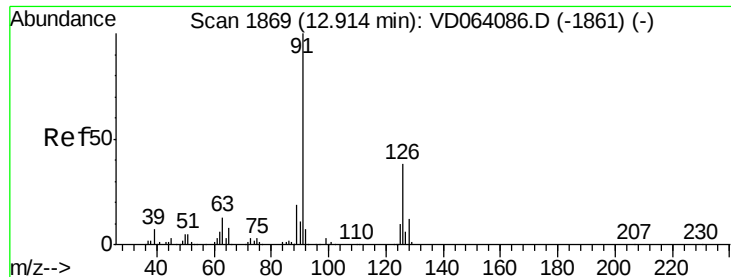
120 24.5 12.1 36.3



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V

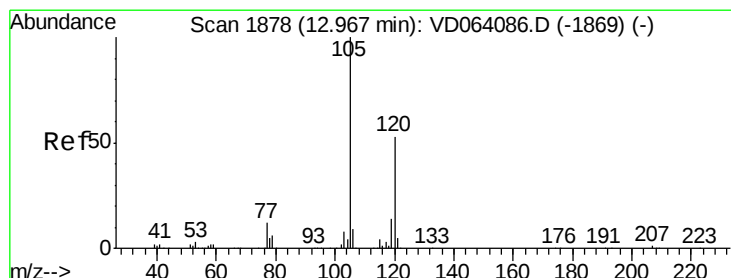
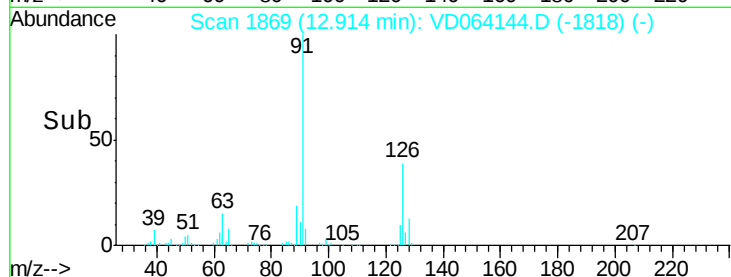
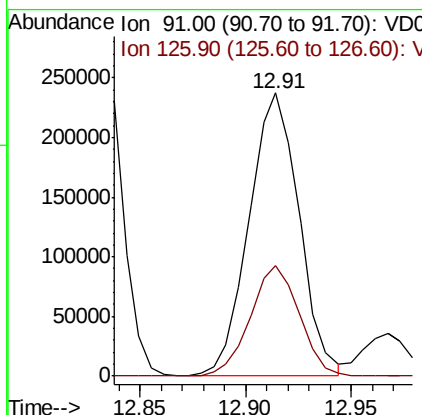
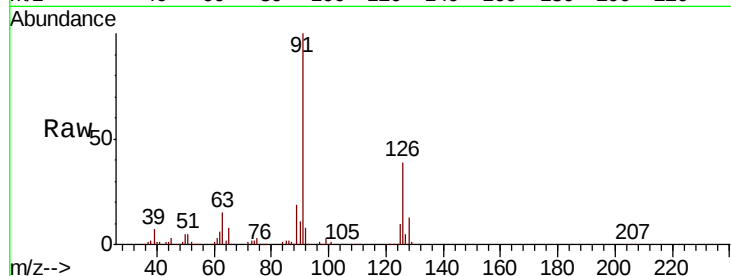




#79
 2-Chlorotoluene
 Concen: 48.724 ug/l
 RT: 12.91 min Scan# 1869
 Delta R.T. 0.00 min
 Lab File: VD064144.D
 Acq: 31 Oct 2019 21:34

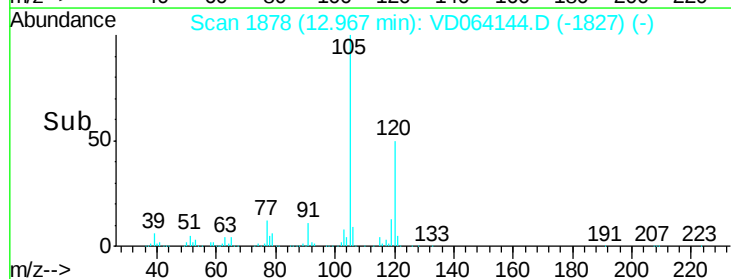
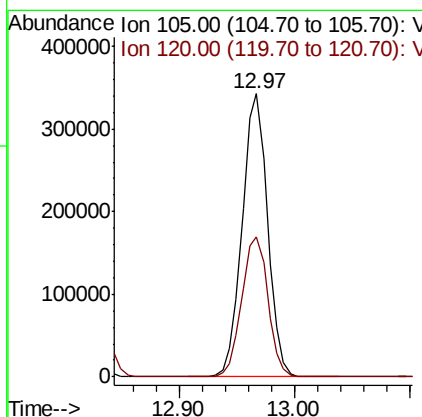
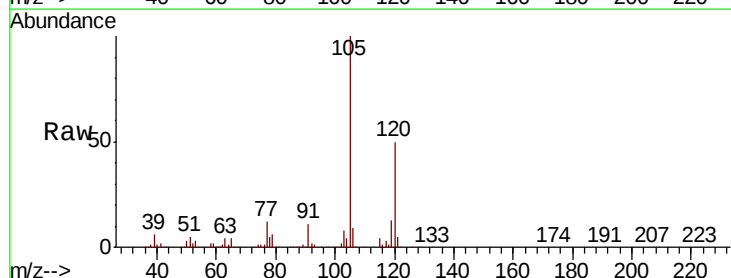
Instrument :
 MSVOA_D
 ClientSampleID :

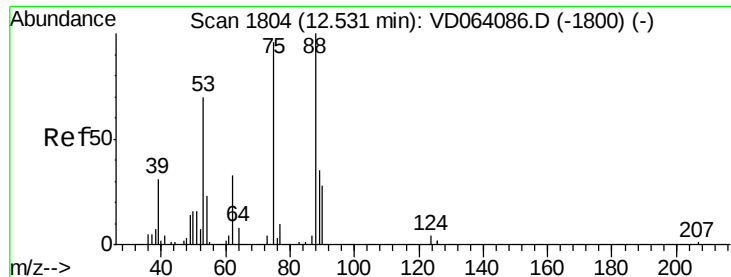
Tot Ion: 91 Resp: 390588
 Ion Ratio Lower Upper
 91 100
 126 38.4 19.1 57.1



#80
 1,3,5-Trimethylbenzene
 Concen: 48.969 ug/l
 RT: 12.97 min Scan# 1878
 Delta R.T. 0.00 min
 Lab File: VD064144.D
 Acq: 31 Oct 2019 21:34

Tgt Ion: 105 Resp: 522980
 Ion Ratio Lower Upper
 105 100
 120 51.2 25.8 77.4





#81

trans-1,4-Dichloro-2-butene

Concen: 45.860 ug/l

RT: 12.54 min Scan# 1805

Delta R.T. 0.01 min

Lab File: VD064144.D

Acq: 31 Oct 2019 21:34

Instrument :

MSVOA_D

ClientSampleId :

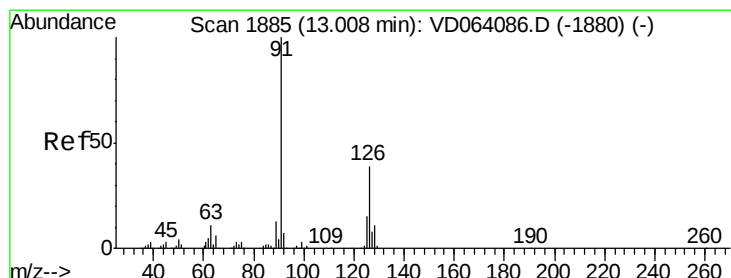
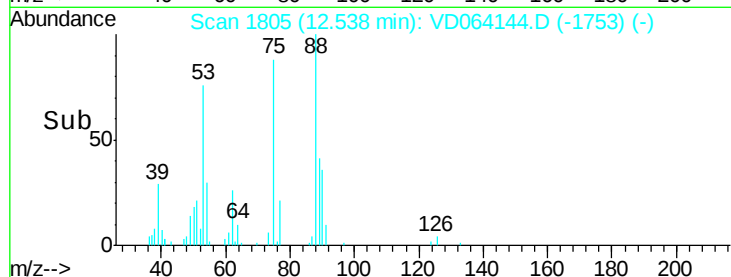
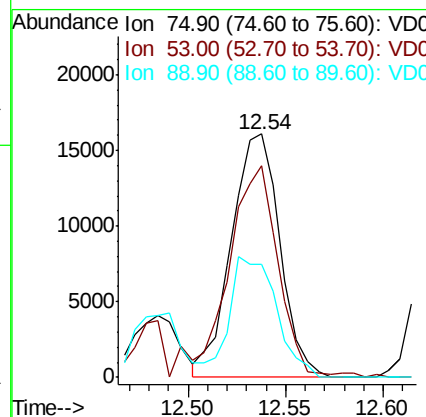
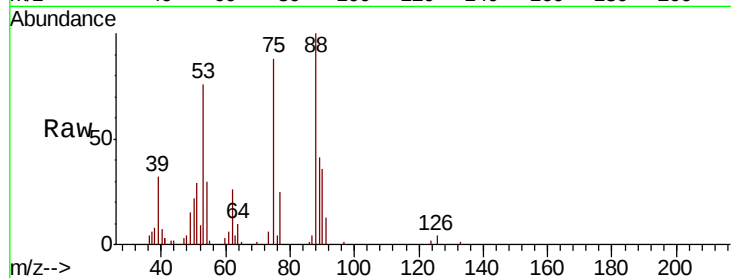
Tot Ion: 75 Resp: 27709

Ion Ratio Lower Upper

75 100

53 86.8 68.6 103.0

89 48.8 36.9 55.3



#82

4-Chlorotoluene

Concen: 48.465 ug/l

RT: 13.01 min Scan# 1885

Delta R.T. 0.00 min

Lab File: VD064144.D

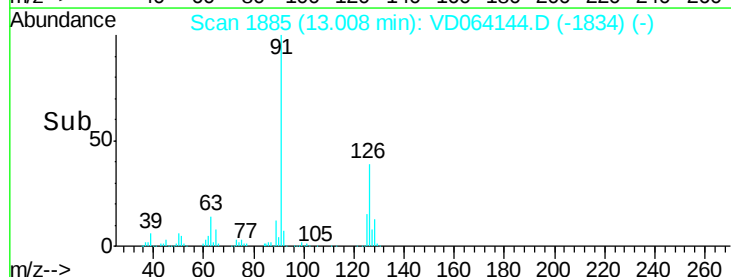
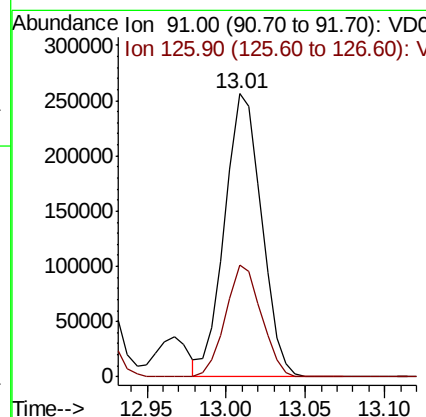
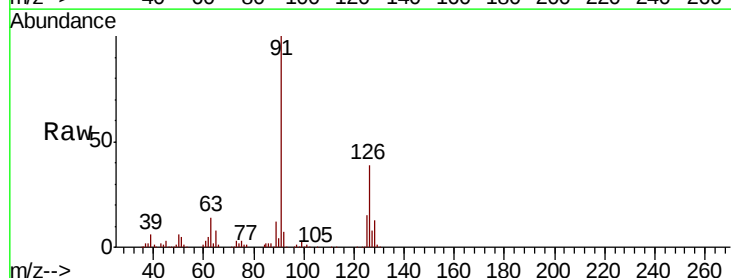
Acq: 31 Oct 2019 21:34

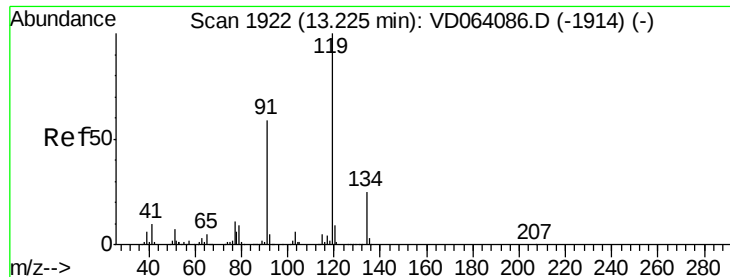
Tgt Ion: 91 Resp: 415129

Ion Ratio Lower Upper

91 100

126 38.3 18.9 56.5





#83

tert-Butylbenzene

Concen: 48.008 ug/l

RT: 13.23 min Scan# 1923

Delta R.T. 0.01 min

Lab File: VD064144.D

Acq: 31 Oct 2019 21:34

Instrument :

MSVOA_D

ClientSampleId :

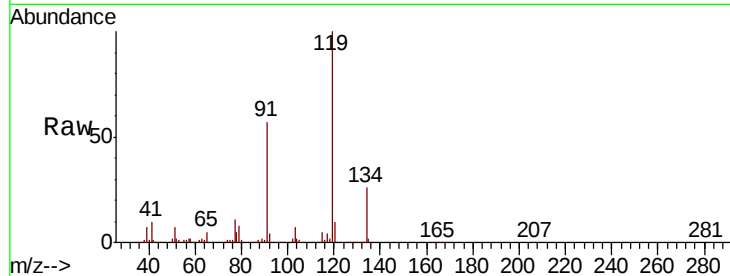
Tot Ion:119 Resp: 460511

Ion Ratio Lower Upper

119 100

91 57.9 28.3 85.0

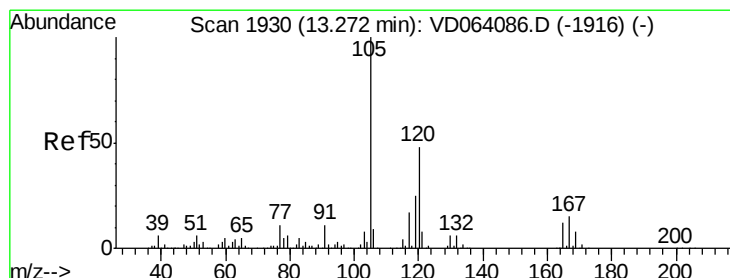
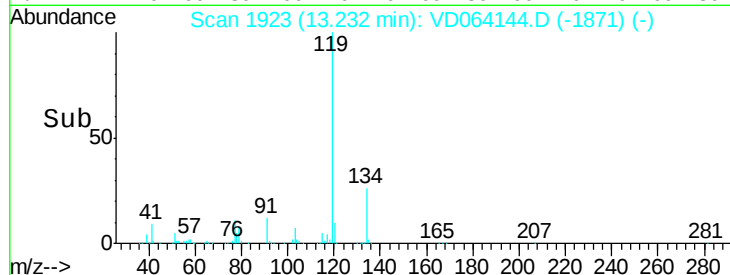
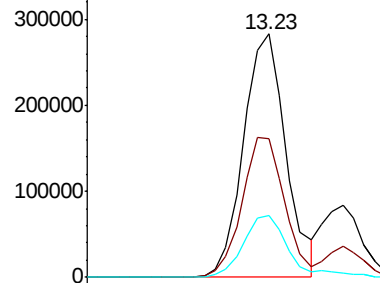
134 27.4 12.9 38.6



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: 50.289 ug/l

RT: 13.27 min Scan# 1930

Delta R.T. 0.00 min

Lab File: VD064144.D

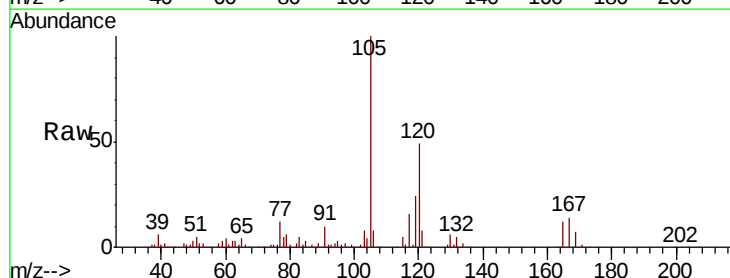
Acq: 31 Oct 2019 21:34

Tgt Ion:105 Resp: 539529

Ion Ratio Lower Upper

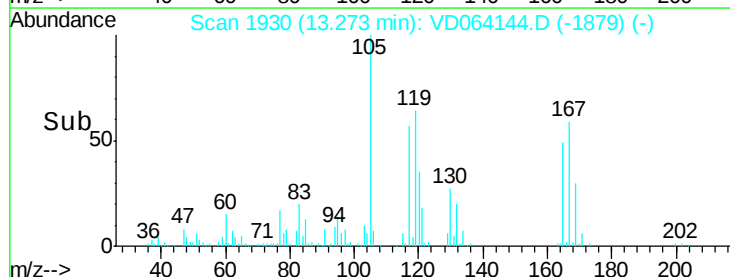
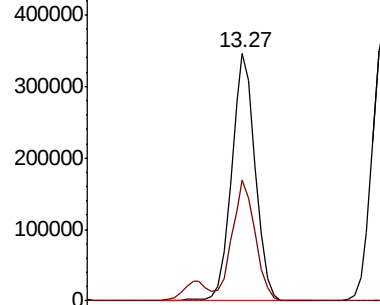
105 100

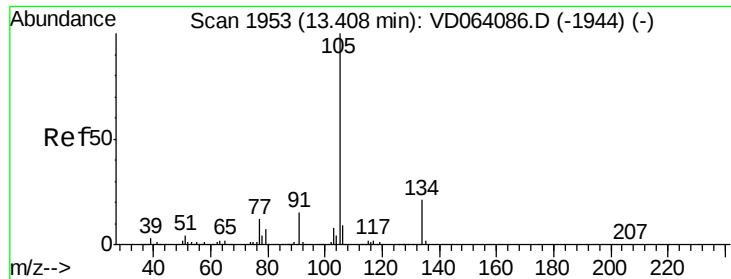
120 48.2 24.1 72.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 46.666 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.00 min

Lab File: VD064144.D

Acq: 31 Oct 2019 21:34

Instrument :

MSVOA_D

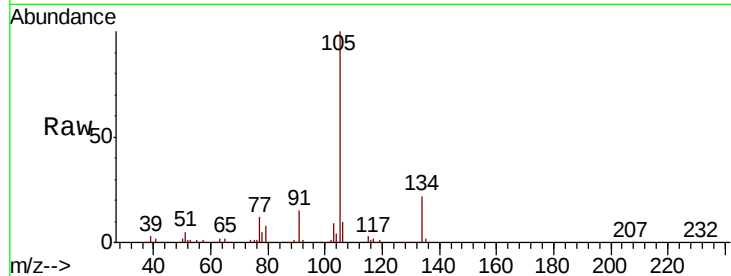
ClientSampleId :

Tot Ion:105 Resp: 614735

Ion Ratio Lower Upper

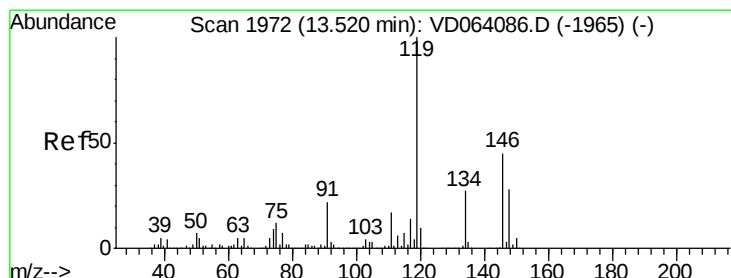
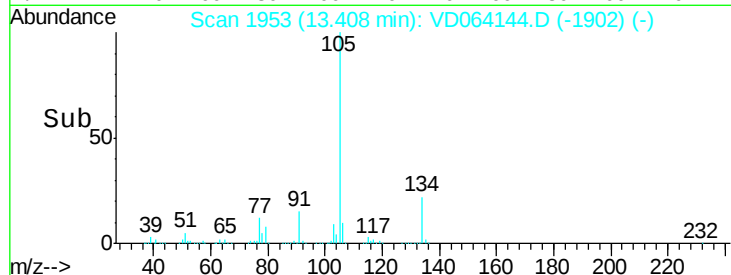
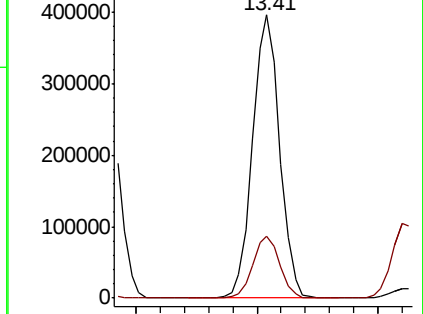
105 100

134 21.8 10.4 31.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 49.041 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VD064144.D

Acq: 31 Oct 2019 21:34

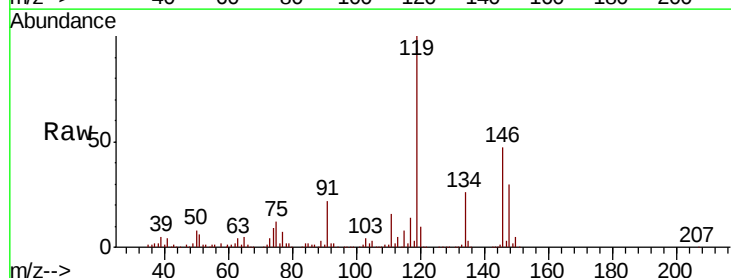
Tgt Ion:119 Resp: 606988

Ion Ratio Lower Upper

119 100

134 26.8 13.6 40.8

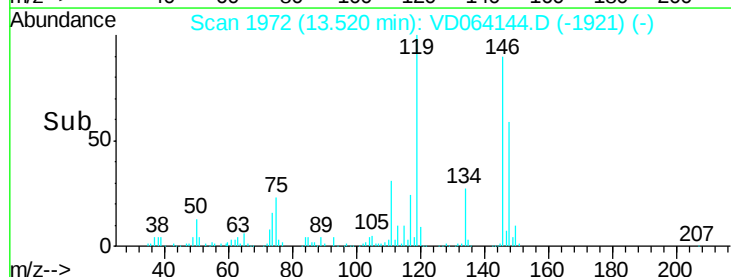
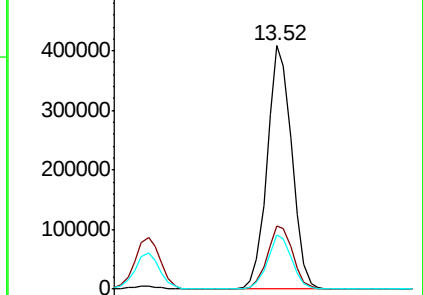
91 21.9 10.9 32.6

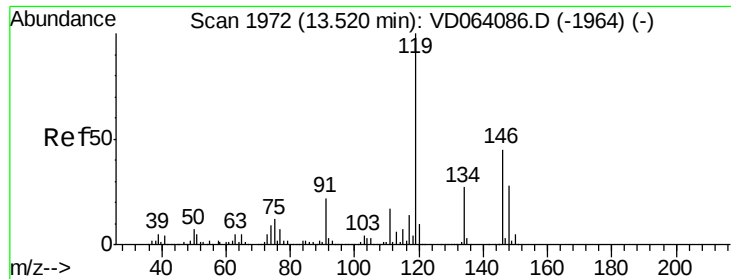


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

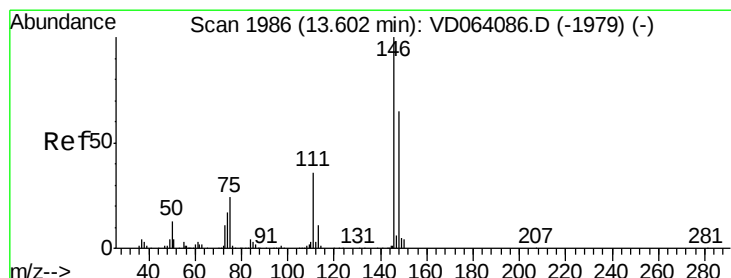
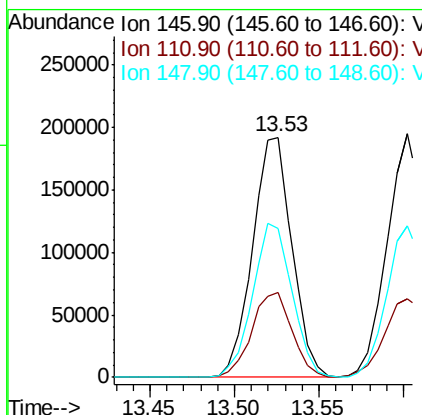
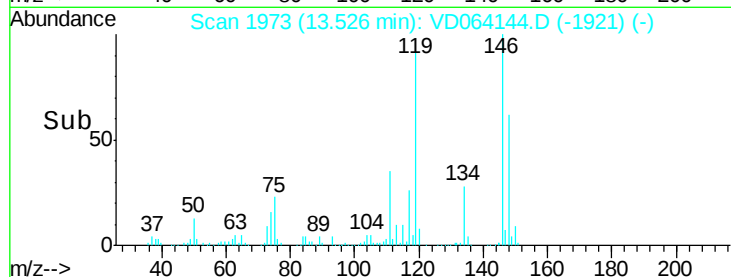
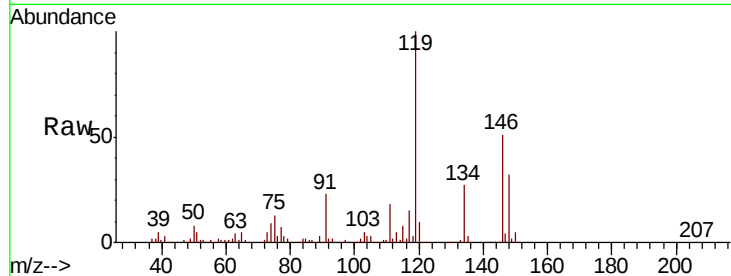




#87
 1,3-Dichlorobenzene
 Concen: 50.618 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.01 min
 Lab File: VD064144.D
 Acq: 31 Oct 2019 21:34

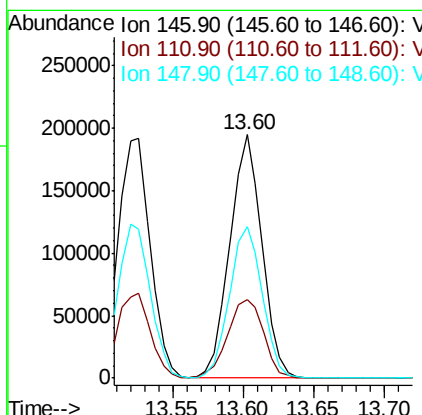
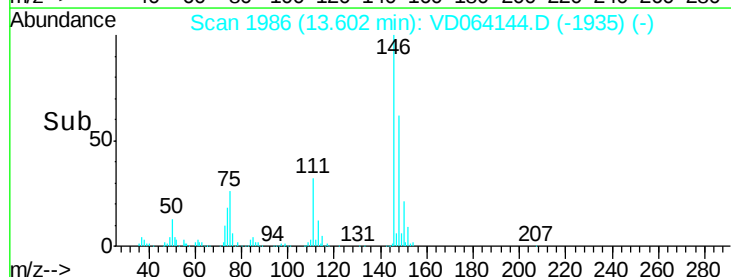
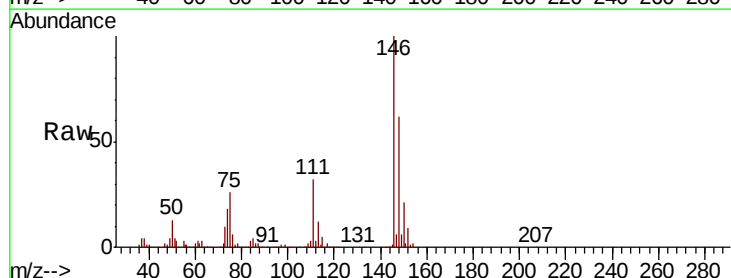
Instrument :
 MSVOA_D
 ClientSampleId :

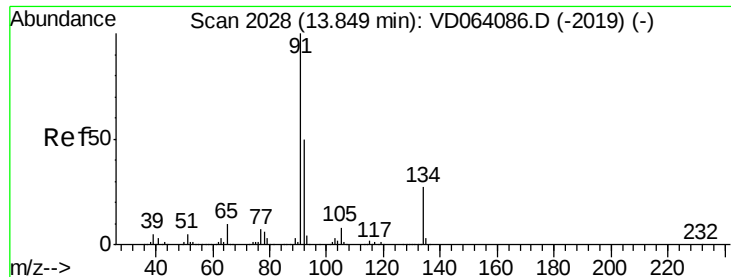
Tot Ion:146 Resp: 312536
 Ion Ratio Lower Upper
 146 100
 111 36.1 18.9 56.9
 148 64.3 32.1 96.3



#88
 1,4-Dichlorobenzene
 Concen: 50.622 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VD064144.D
 Acq: 31 Oct 2019 21:34

Tgt Ion:146 Resp: 308114
 Ion Ratio Lower Upper
 146 100
 111 36.3 18.4 55.4
 148 63.7 32.4 97.0





#89

n-Butylbenzene

Concen: 48.042 ug/l

RT: 13.85 min Scan# 2028

Delta R.T. 0.00 min

Lab File: VD064144.D

Acq: 31 Oct 2019 21:34

Instrument :

MSVOA_D

ClientSampleId :

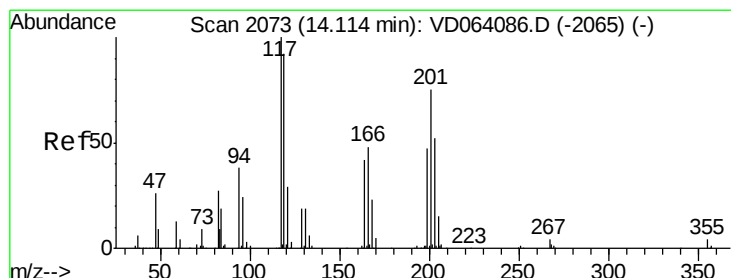
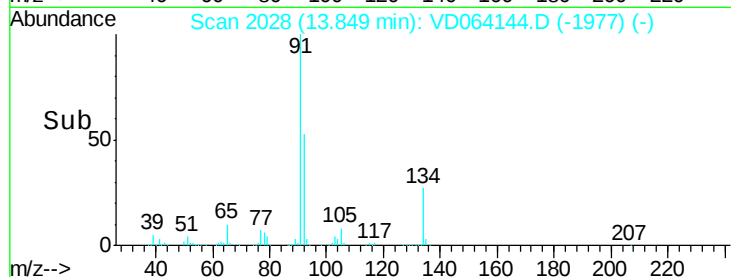
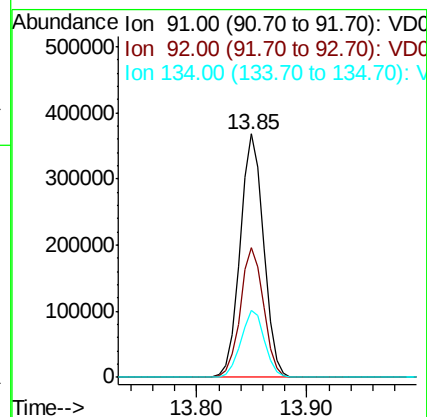
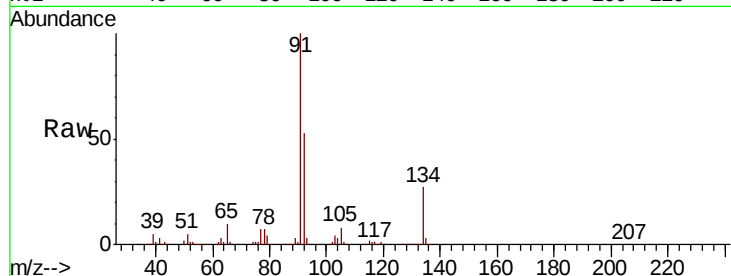
Tot Ion: 91 Resp: 548454

Ion Ratio Lower Upper

91 100

92 52.8 25.6 76.6

134 27.8 14.0 42.0



#90

Hexachloroethane

Concen: 48.604 ug/l

RT: 14.12 min Scan# 2074

Delta R.T. 0.01 min

Lab File: VD064144.D

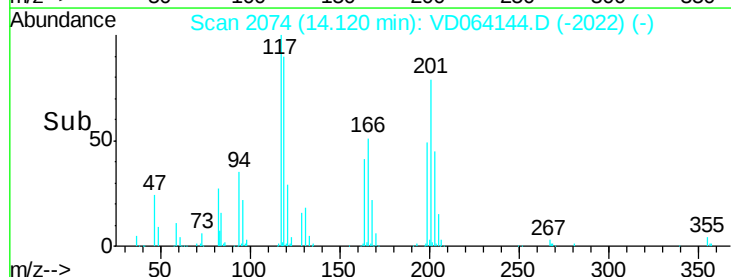
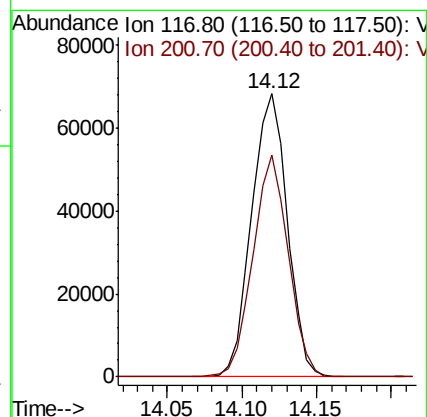
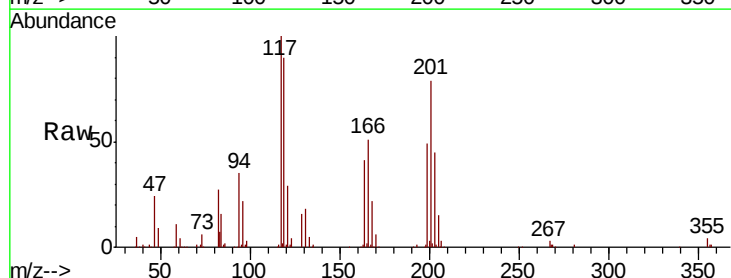
Acq: 31 Oct 2019 21:34

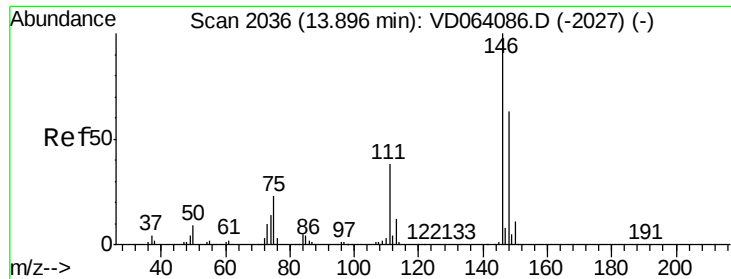
Tgt Ion: 117 Resp: 112630

Ion Ratio Lower Upper

117 100

201 77.7 38.4 115.2

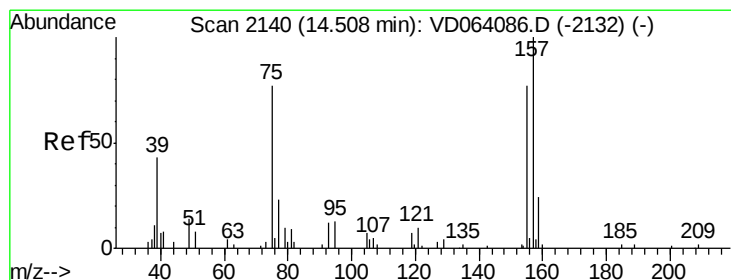
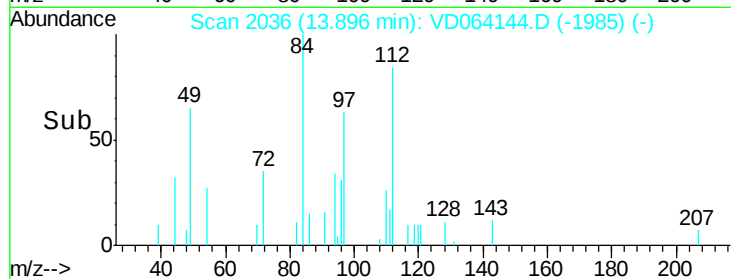
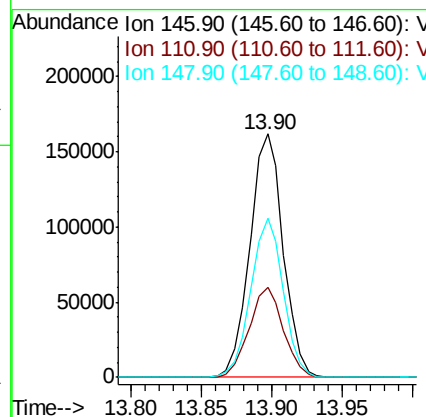
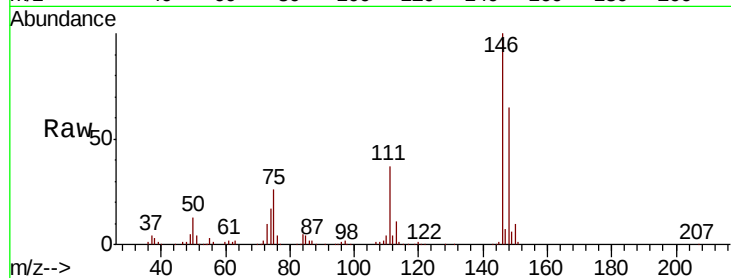




#91
 1,2-Dichlorobenzene
 Concen: 50.428 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. 0.00 min
 Lab File: VD064144.D
 Acq: 31 Oct 2019 21:34

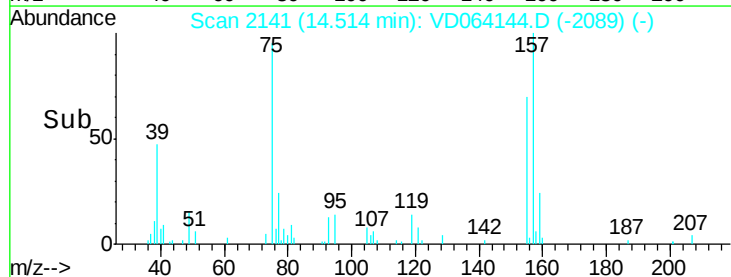
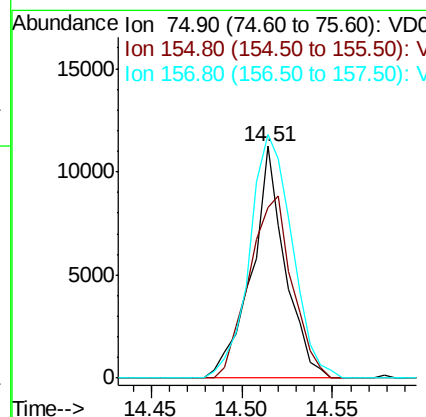
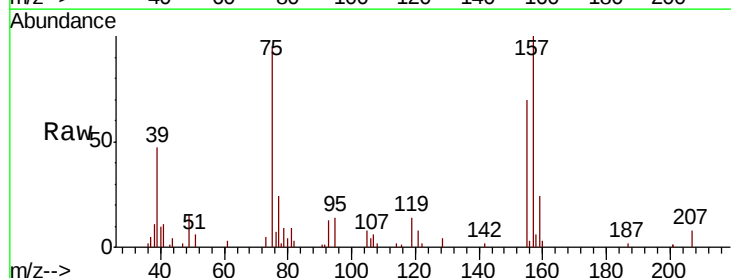
Instrument :
 MSVOA_D
 ClientSampleId :

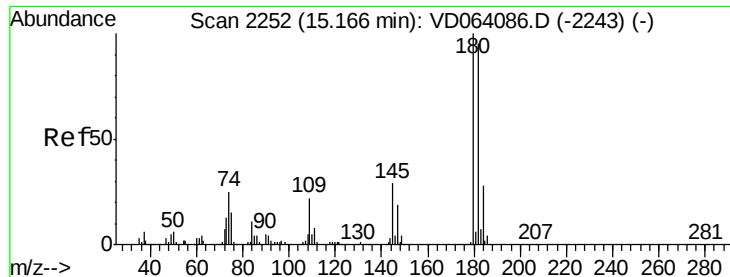
Tot Ion	Ratio	Lower	Upper
146	100		
111	37.9	19.1	57.1
148	63.8	32.1	96.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 48.966 ug/l
 RT: 14.51 min Scan# 2141
 Delta R.T. 0.01 min
 Lab File: VD064144.D
 Acq: 31 Oct 2019 21:34

Tgt Ion	Ratio	Lower	Upper
75	100		
155	101.4	56.3	168.9
157	133.5	72.2	216.6

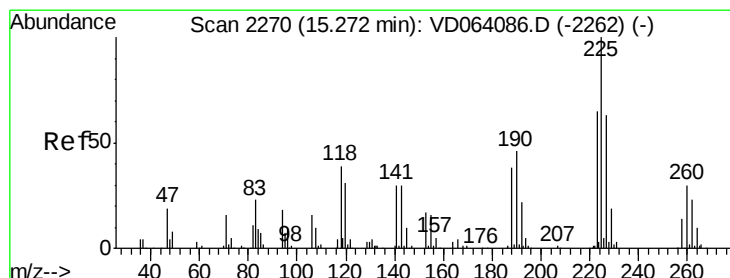
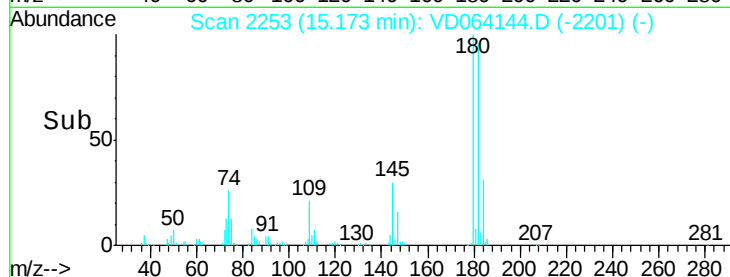
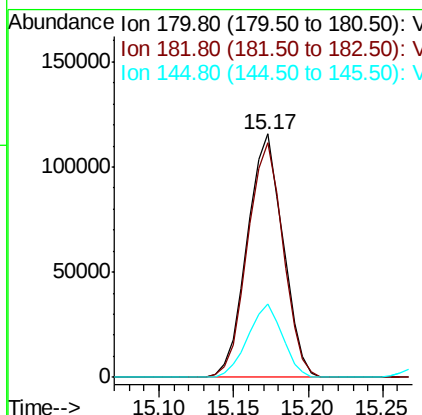
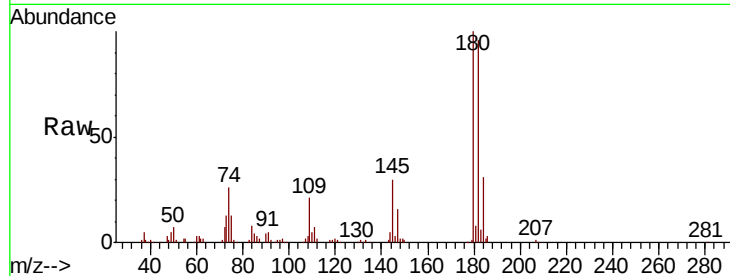




#93
 1,2,4-Trichlorobenzene
 Concen: 50.354 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. 0.01 min
 Lab File: VD064144.D
 Acq: 31 Oct 2019 21:34

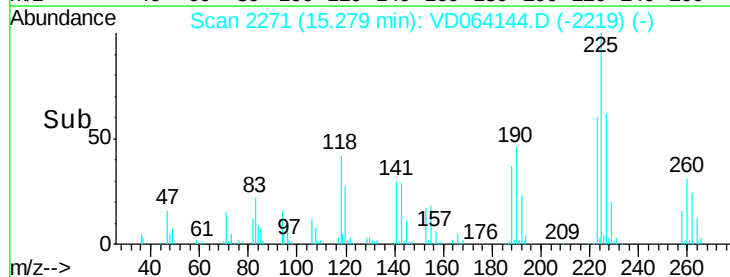
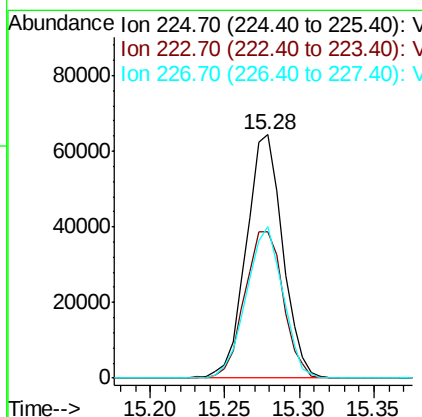
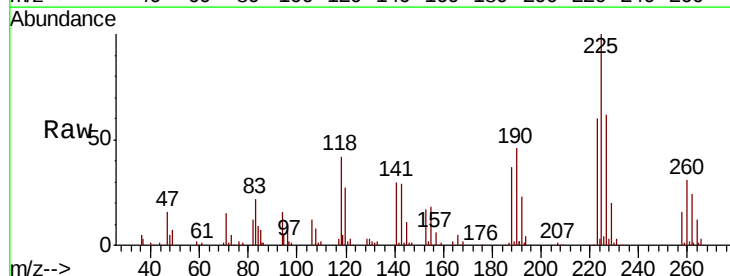
Instrument :
 MSVOA_D
 ClientSampleId :

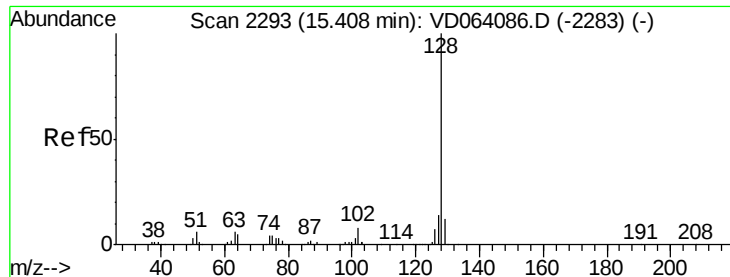
Tot Ion	Ratio	Lower	Upper
180	100		
182	95.8	46.9	140.7
145	29.1	14.2	42.6



#94
 Hexachlorobutadiene
 Concen: 48.502 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.01 min
 Lab File: VD064144.D
 Acq: 31 Oct 2019 21:34

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.8	30.8	92.3
227	62.5	31.7	95.1





#95

Naphthalene

Concen: 51.872 ug/l

RT: 15.41 min Scan# 2293

Delta R.T. 0.00 min

Lab File: VD064144.D

Acq: 31 Oct 2019 21:34

Instrument :

MSVOA_D

ClientSampleId :

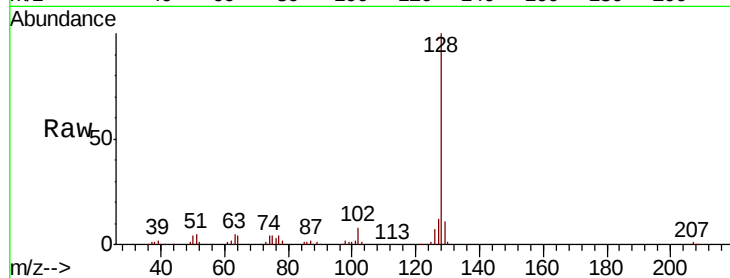
Tot Ion:128 Resp: 323126

Ion Ratio Lower Upper

128 100

127 12.8 10.9 16.3

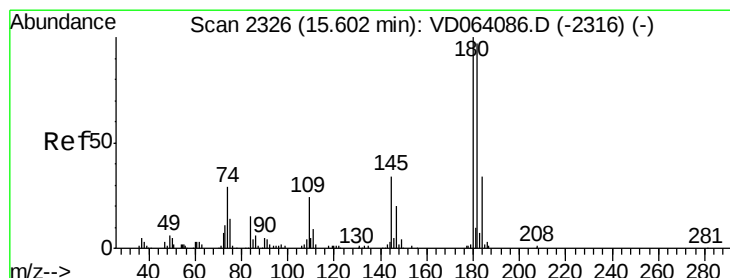
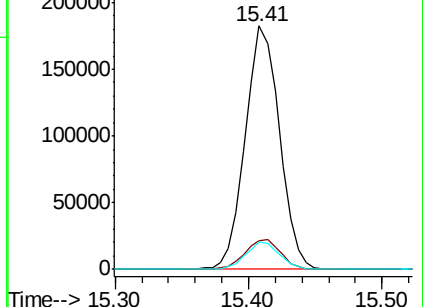
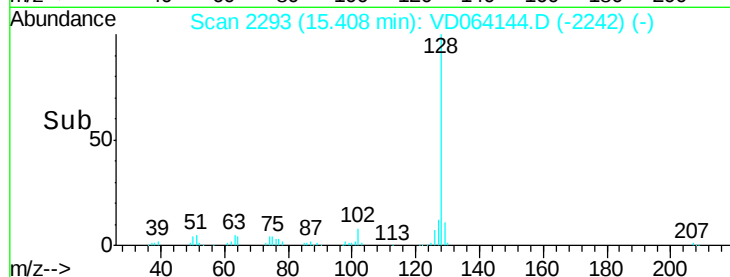
129 11.2 8.8 13.2



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 50.497 ug/l

RT: 15.60 min Scan# 2326

Delta R.T. 0.00 min

Lab File: VD064144.D

Acq: 31 Oct 2019 21:34

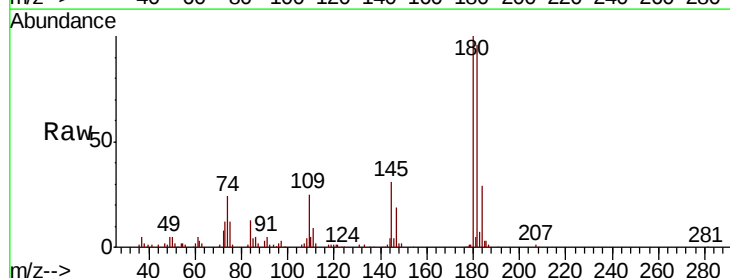
Tgt Ion:180 Resp: 167068

Ion Ratio Lower Upper

180 100

182 96.5 48.4 145.0

145 29.8 16.4 49.4



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

