

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD112719\
 Data File : VD064404.D
 Acq On : 27 Nov 2019 19:18
 Operator : VA/SY
 Sample : VSTDICCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Nov 29 06:44:06 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D112719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 29 06:39:45 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	495124	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	720405	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	634336	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	310132	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.34	65	219329	54.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.18%	
35) Dibromofluoromethane	7.92	113	225932	54.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.40%	
50) Toluene-d8	10.34	98	836605	53.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.86%	
62) 4-Bromofluorobenzene	12.64	95	264755	49.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.62%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.99	85	214611	52.143	ug/l	100
3) Chloromethane	2.21	50	270761	59.337	ug/l	100
4) Vinyl Chloride	2.35	62	324220	65.264	ug/l	100
5) Bromomethane	2.77	94	227925	70.981	ug/l	100
6) Chloroethane	2.92	64	215792	67.421	ug/l	100
7) Trichlorofluoromethane	3.27	101	538188	66.441	ug/l	100
8) Diethyl Ether	3.71	74	112163	53.114	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.09	101	228397	52.064	ug/l	100
10) Methyl Iodide	4.30	142	277588	63.185	ug/l	100
11) Tert butyl alcohol	5.26	59	73538	259.905	ug/l #	100
12) 1,1-Dichloroethene	4.06	96	221476	53.026	ug/l	100
13) Acrolein	3.93	56	92470	363.707	ug/l	100
14) Allyl chloride	4.71	41	350541	48.523	ug/l	100
15) Acrylonitrile	5.43	53	244892	270.500	ug/l	100
16) Acetone	4.17	43	241267	253.832	ug/l	100
17) Carbon Disulfide	4.40	76	716142	54.850	ug/l	100
18) Methyl Acetate	4.73	43	128047	47.888	ug/l	100
19) Methyl tert-butyl Ether	5.48	73	522372	52.550	ug/l	100
20) Methylene Chloride	4.96	84	242615	49.515	ug/l	100
21) trans-1,2-Dichloroethene	5.47	96	252822	53.328	ug/l	100
22) Diisopropyl ether	6.37	45	696543	51.211	ug/l	100
23) Vinyl Acetate	6.31	43	2108946	275.908	ug/l	100
24) 1,1-Dichloroethane	6.27	63	419865	52.927	ug/l	100
25) 2-Butanone	7.22	43	328059	263.005	ug/l	100
26) 2,2-Dichloropropane	7.21	77	359672	47.140	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	277338	54.290	ug/l	100
28) Bromochloromethane	7.54	49	150999	54.765	ug/l	100
29) Tetrahydrofuran	7.57	42	201344	267.642	ug/l	100
30) Chloroform	7.71	83	433251	53.226	ug/l	100
31) Cyclohexane	7.98	56	382705	48.075	ug/l	100
32) 1,1,1-Trichloroethane	7.91	97	398200	51.380	ug/l	100
36) 1,1-Dichloropropene	8.11	75	333500	50.527	ug/l	100
37) Ethyl Acetate	7.30	43	145850	51.899	ug/l	100
38) Carbon Tetrachloride	8.10	117	365848	51.600	ug/l	100

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD112719\
 Data File : VD064404.D
 Acq On : 27 Nov 2019 19:18
 Operator : VA/SY
 Sample : VSTDICCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Nov 29 06:44:06 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D112719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 29 06:39:45 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	428661	51.033	ug/l	100
40) Benzene	8.35	78	956215	52.613	ug/l	100
41) Methacrylonitrile	7.53	41	95791	54.420	ug/l	100
42) 1,2-Dichloroethane	8.43	62	276183	50.794	ug/l	100
43) Isopropyl Acetate	8.46	43	291519	50.722	ug/l	100
44) Trichloroethene	9.11	130	280580	51.590	ug/l	100
45) 1,2-Dichloropropane	9.39	63	233591	52.695	ug/l	100
46) Dibromomethane	9.48	93	130099	54.418	ug/l	100
47) Bromodichloromethane	9.67	83	338617	52.908	ug/l	100
48) Methyl methacrylate	9.46	41	132370	47.472	ug/l	100
49) 1,4-Dioxane	9.47	88	30341	1055.255	ug/l	100
51) 4-Methyl-2-Pentanone	10.23	43	713284	257.461	ug/l	100
52) Toluene	10.41	92	615030	51.581	ug/l	100
53) t-1,3-Dichloropropene	10.63	75	324069	50.968	ug/l	100
54) cis-1,3-Dichloropropene	10.09	75	382646	51.475	ug/l	100
55) 1,1,2-Trichloroethane	10.80	97	174434	53.895	ug/l	100
56) Ethyl methacrylate	10.66	69	230528	51.432	ug/l	100
57) 1,3-Dichloropropane	10.95	76	299538	53.203	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	421157	235.835	ug/l	100
59) 2-Hexanone	10.99	43	499637	255.044	ug/l	100
60) Dibromochloromethane	11.14	129	240292	53.256	ug/l	100
61) 1,2-Dibromoethane	11.25	107	174970	53.952	ug/l	100
64) Tetrachloroethene	10.88	164	245212	50.642	ug/l	100
65) Chlorobenzene	11.67	112	661512	51.378	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.74	131	250334	51.179	ug/l	100
67) Ethyl Benzene	11.75	91	1182741	50.898	ug/l	100
68) m/p-Xylenes	11.86	106	911493	102.400	ug/l	100
69) o-Xylene	12.18	106	421003	50.995	ug/l	100
70) Styrene	12.20	104	729429	50.696	ug/l	100
71) Bromoform	12.37	173	146002	52.291	ug/l #	100
73) Isopropylbenzene	12.48	105	1133082	50.173	ug/l	100
74) N-amyl acetate	12.30	43	264031	49.468	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.74	83	188492	54.310	ug/l	100
76) 1,2,3-Trichloropropane	12.79	75	245138	99.034	ug/l #	100
77) Bromobenzene	12.77	156	281860	51.183	ug/l	100
78) n-propylbenzene	12.83	91	1305827	50.598	ug/l	100
79) 2-Chlorotoluene	12.91	91	718419	49.462	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	932784	50.217	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.54	75	60073	48.470	ug/l	100
82) 4-Chlorotoluene	13.01	91	755615	49.755	ug/l	100
83) tert-Butylbenzene	13.23	119	806233	49.465	ug/l	100
84) 1,2,4-Trimethylbenzene	13.28	105	923939	50.383	ug/l	100
85) sec-Butylbenzene	13.41	105	1111615	50.575	ug/l	100
86) p-Isopropyltoluene	13.53	119	1043972	50.000	ug/l	100
87) 1,3-Dichlorobenzene	13.53	146	526281	51.307	ug/l	100
88) 1,4-Dichlorobenzene	13.60	146	520745	52.172	ug/l	100
89) n-Butylbenzene	13.86	91	954976	50.603	ug/l	100
90) Hexachloroethane	14.12	117	195480	50.497	ug/l	100
91) 1,2-Dichlorobenzene	13.90	146	459244	52.759	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.52	75	29360	48.233	ug/l	100

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD112719\
Data File : VD064404.D
Acq On : 27 Nov 2019 19:18
Operator : VA/SY
Sample : VSTDICCC050
Misc : 5.00G/5.00ml/MSVOA D/SOIL
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :

Quant Time: Nov 29 06:44:06 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D112719S.M
Quant Title : SW846 8260
QLast Update : Fri Nov 29 06:39:45 2019
Response via : Initial Calibration

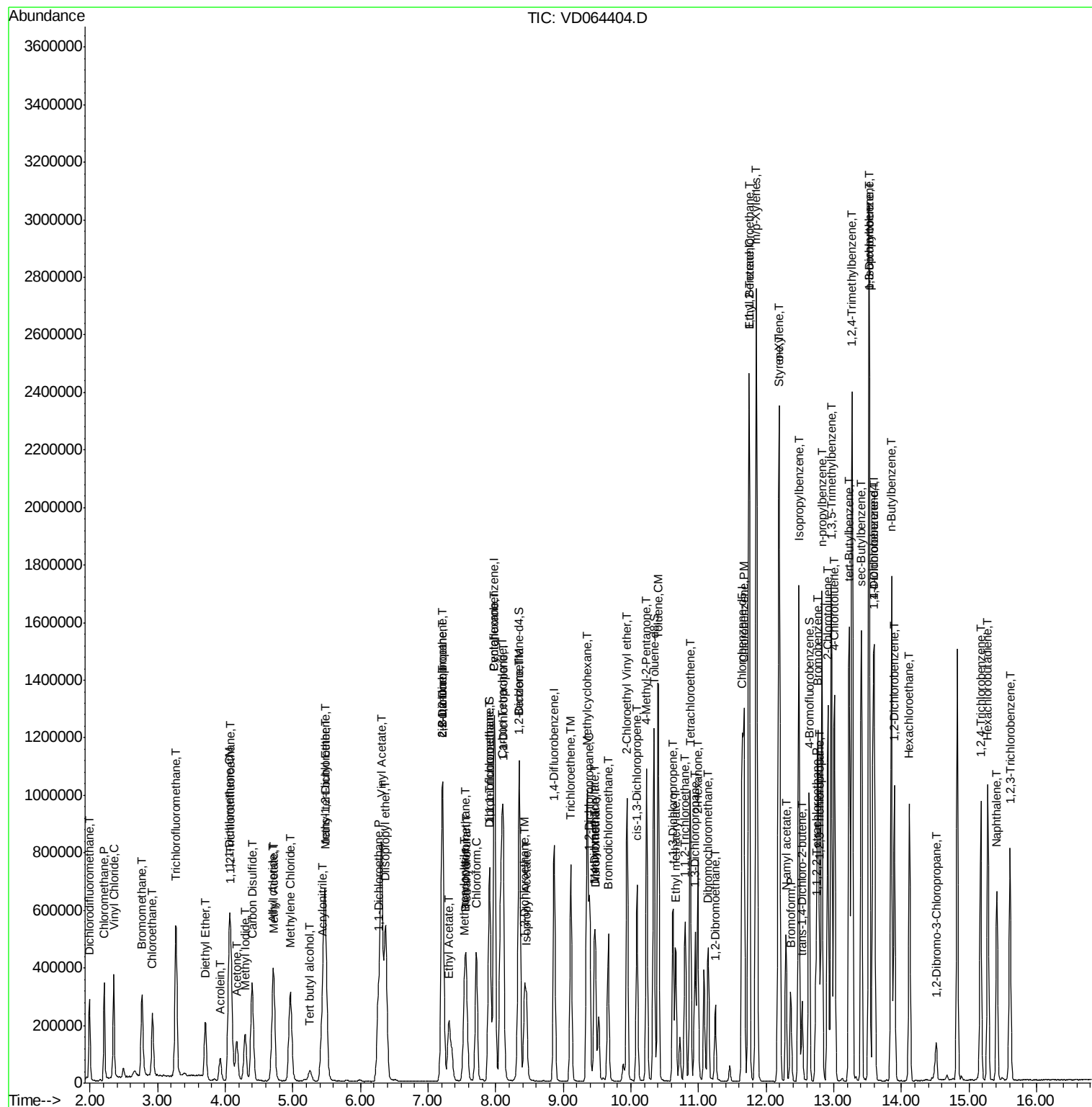
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.18	180	346558	51.879	ug/l	100
94) Hexachlorobutadiene	15.28	225	218195	50.760	ug/l	100
95) Naphthalene	15.41	128	584759	53.014	ug/l	100
96) 1,2,3-Trichlorobenzene	15.61	180	301321	52.731	ug/l	100

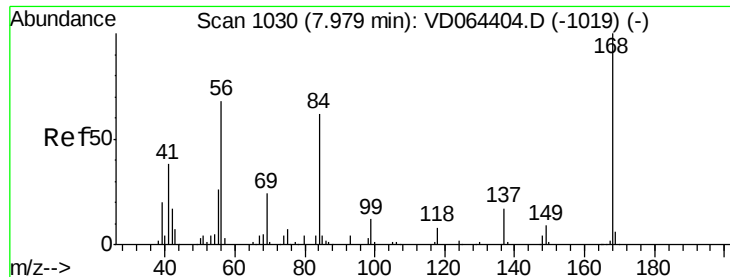
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD112719\
 Data File : VD064404.D
 Acq On : 27 Nov 2019 19:18
 Operator : VA/SY
 Sample : VSTDICCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampled :

Quant Time: Nov 29 06:44:06 2019
 Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D112719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 29 06:39:45 2019
 Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VD064404.D

Acq: 27 Nov 2019 19:18

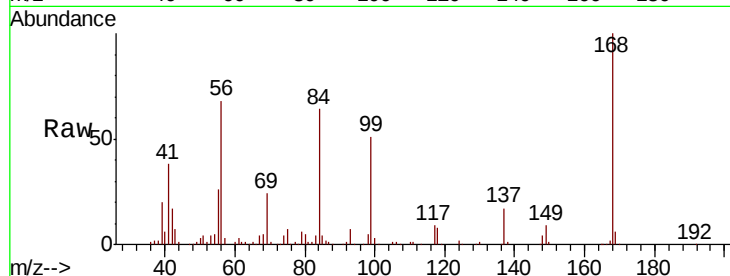
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 495124

Ion Ratio Lower Upper

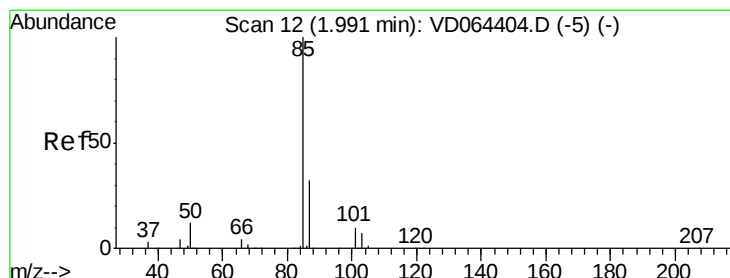
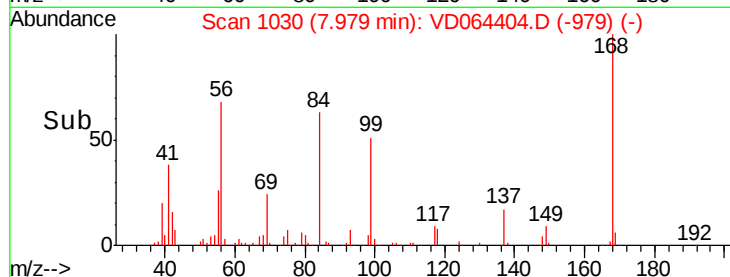
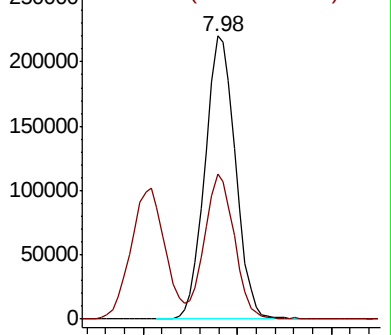
168 100

99 50.9 40.7 61.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 52.143 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD064404.D

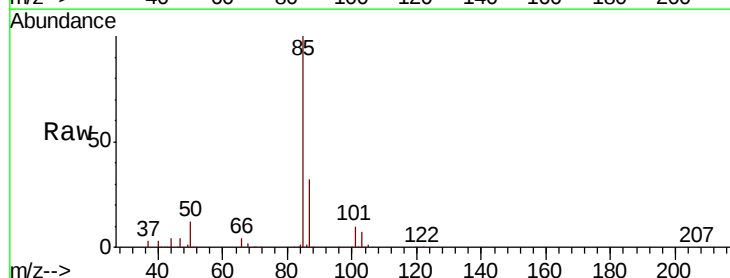
Acq: 27 Nov 2019 19:18

Tgt Ion: 85 Resp: 214611

Ion Ratio Lower Upper

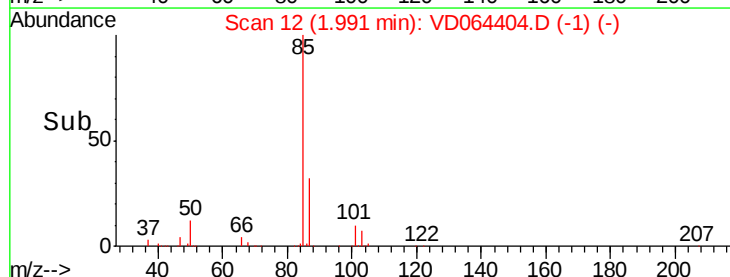
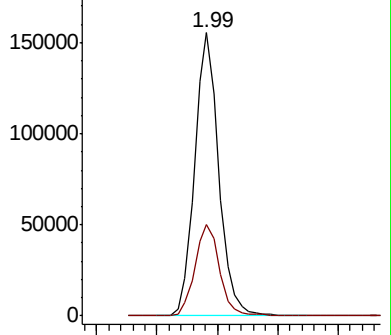
85 100

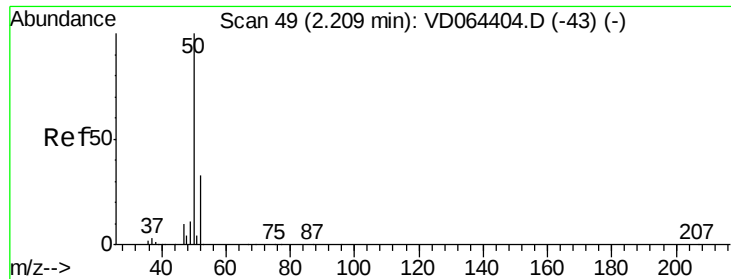
87 32.1 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 59.337 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD064404.D

Acq: 27 Nov 2019 19:18

Instrument :

MSVOA_D

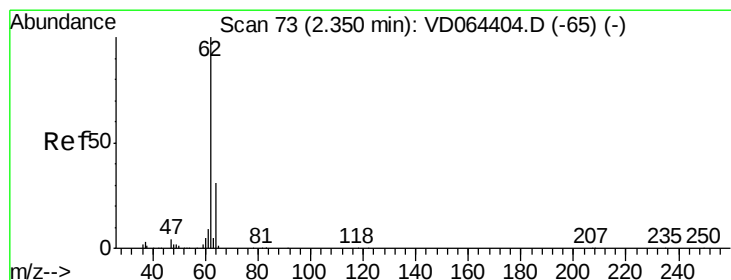
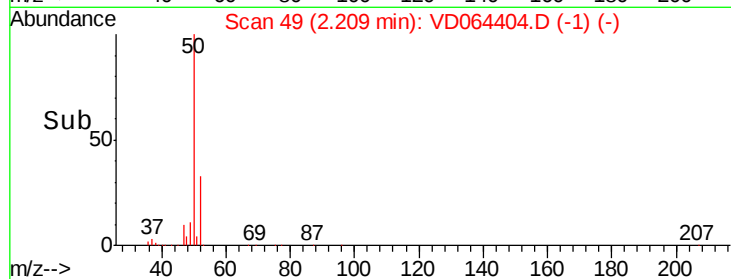
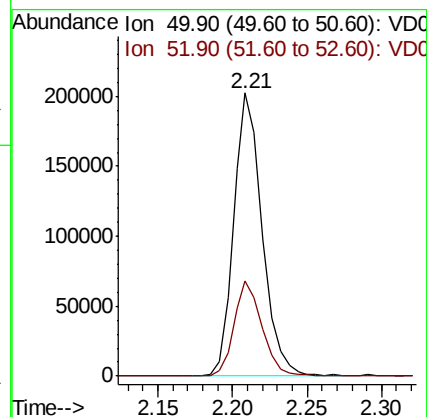
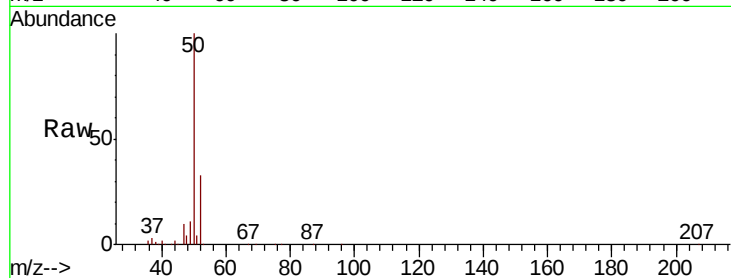
ClientSampleId :

Tot Ion: 50 Resp: 270761

Ion Ratio Lower Upper

50 100

52 33.4 26.7 40.1



#4

Vinyl Chloride

Concen: 65.264 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD064404.D

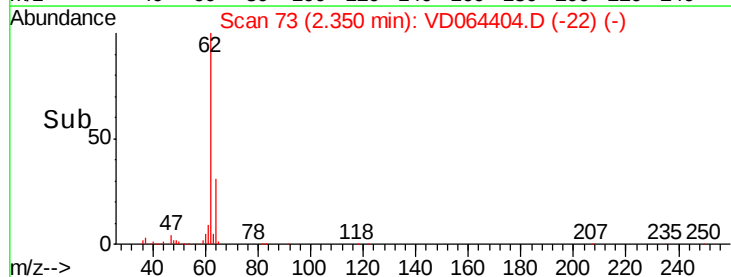
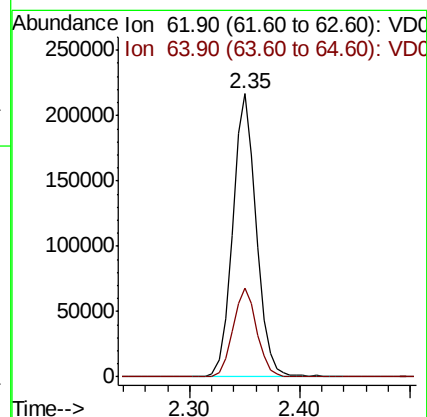
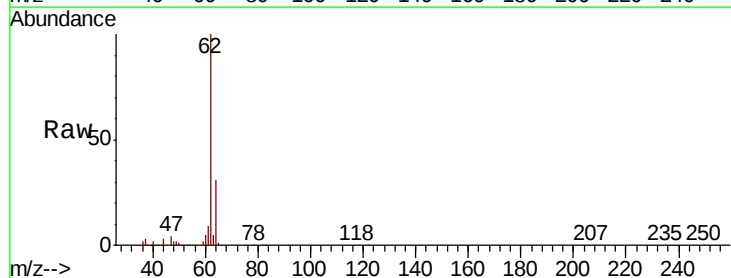
Acq: 27 Nov 2019 19:18

Tgt Ion: 62 Resp: 324220

Ion Ratio Lower Upper

62 100

64 31.2 25.0 37.4





#5

Bromomethane

Concen: 70.981 ug/l

RT: 2.77 min Scan# 144

Delta R.T. 0.00 min

Lab File: VD064404.D

Acq: 27 Nov 2019 19:18

Instrument :

MSVOA_D

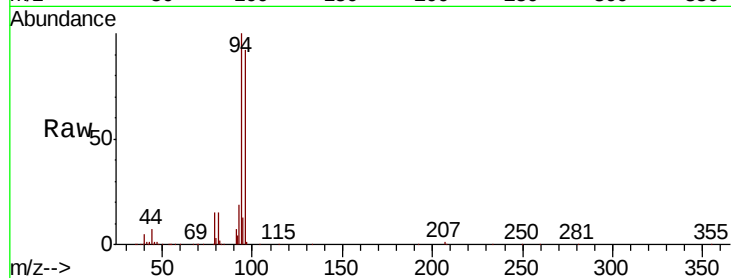
ClientSampleId :

Tot Ion: 94 Resp: 227925

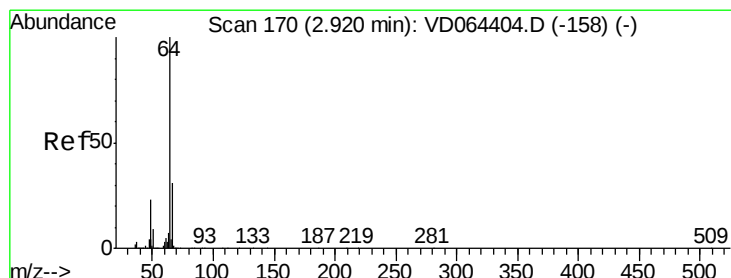
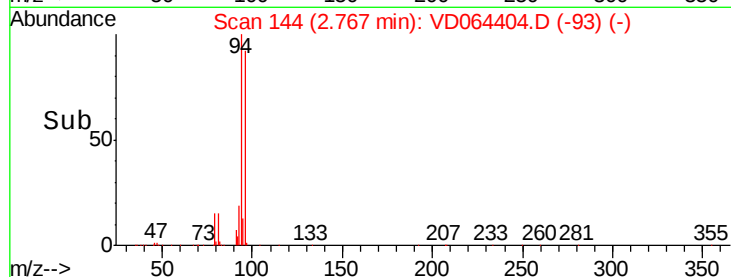
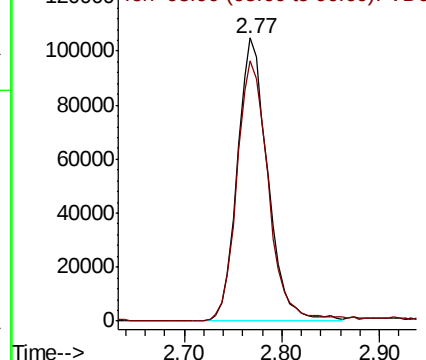
Ion Ratio Lower Upper

94 100

96 92.0 73.6 110.4



Abundance Ion 93.90 (93.60 to 94.60): VDC
Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 67.421 ug/l

RT: 2.92 min Scan# 170

Delta R.T. 0.00 min

Lab File: VD064404.D

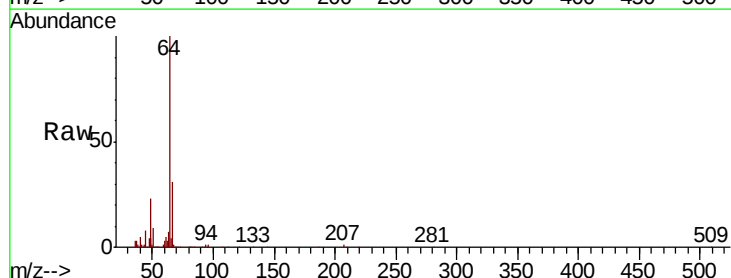
Acq: 27 Nov 2019 19:18

Tgt Ion: 64 Resp: 215792

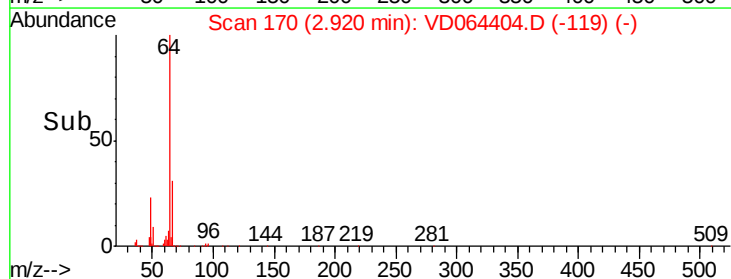
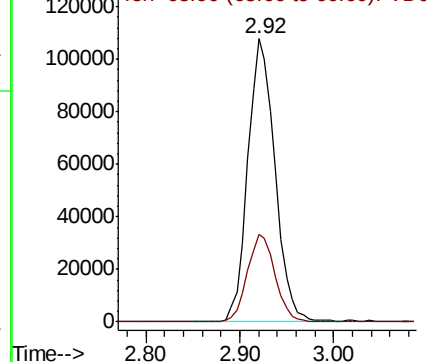
Ion Ratio Lower Upper

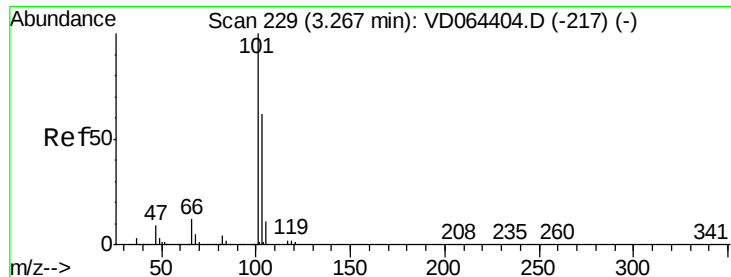
64 100

66 30.8 24.6 37.0



Abundance Ion 63.90 (63.60 to 64.60): VDC
Ion 65.90 (65.60 to 66.60): VDC



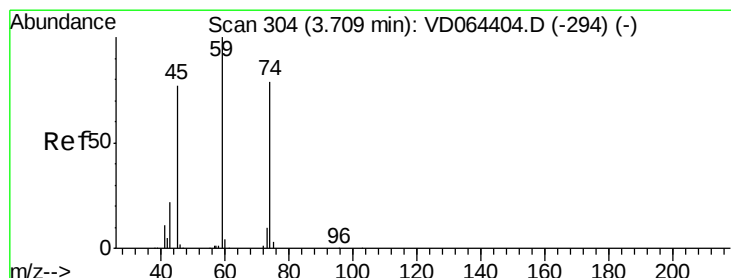
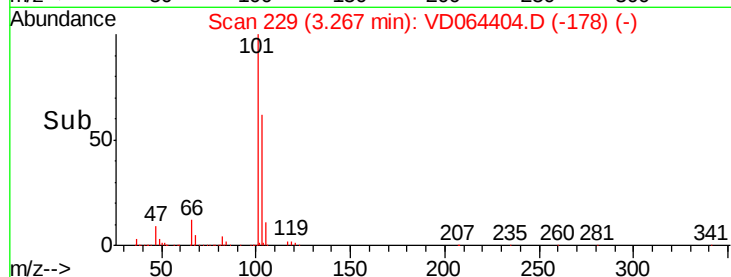
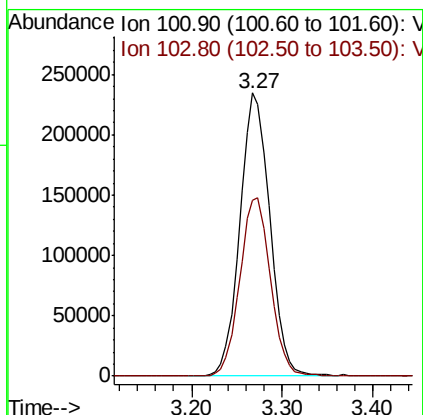
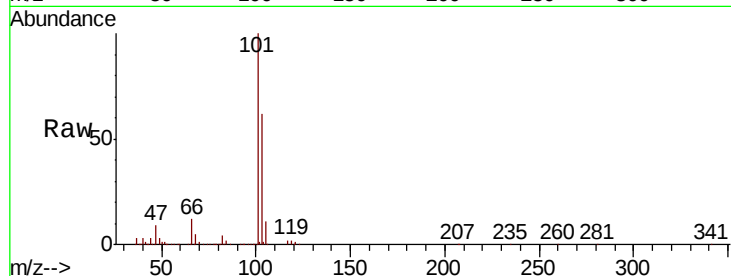


#7

Trichlorofluoromethane
Concen: 66.441 ug/l
RT: 3.27 min Scan# 229
Delta R.T. 0.00 min
Lab File: VD064404.D
Acq: 27 Nov 2019 19:18

Instrument :
MSVOA_D
ClientSampleId :

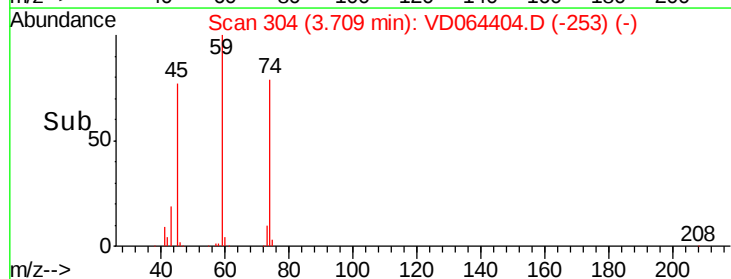
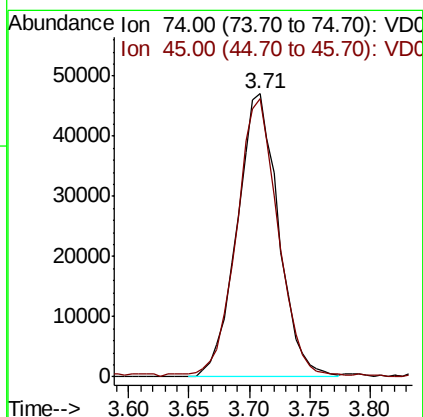
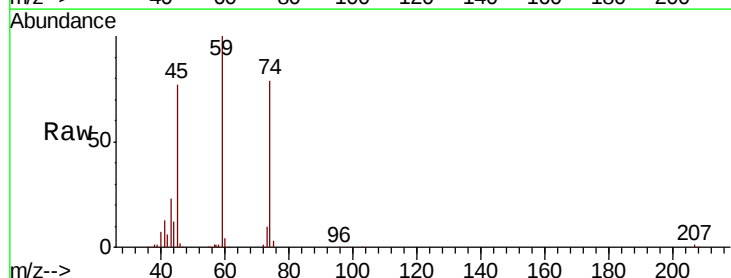
Tot Ion:101 Resp: 538188
Ion Ratio Lower Upper
101 100
103 62.2 49.8 74.6

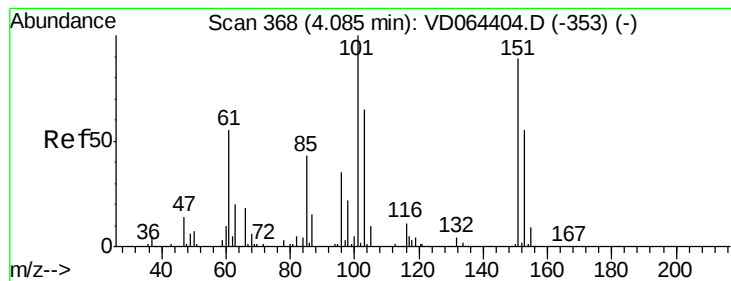


#8

Diethyl Ether
Concen: 53.114 ug/l
RT: 3.71 min Scan# 304
Delta R.T. 0.00 min
Lab File: VD064404.D
Acq: 27 Nov 2019 19:18

Tgt Ion: 74 Resp: 112163
Ion Ratio Lower Upper
74 100
45 97.3 48.6 145.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 52.064 ug/l

RT: 4.09 min Scan# 368

Delta R.T. 0.00 min

Lab File: VD064404.D

Acq: 27 Nov 2019 19:18

Instrument :

MSVOA_D

ClientSampleId :

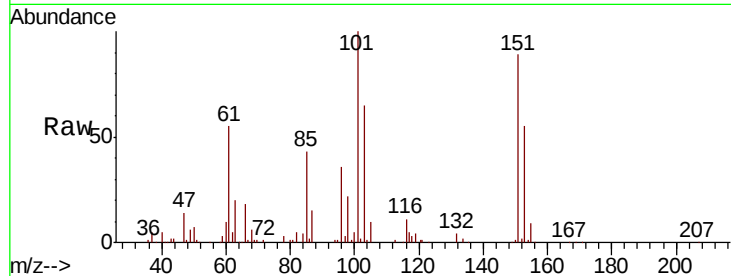
Tot Ion:101 Resp: 228397

Ion Ratio Lower Upper

101 100

85 43.5 34.8 52.2

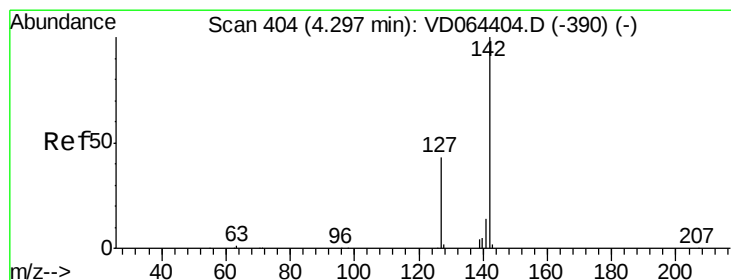
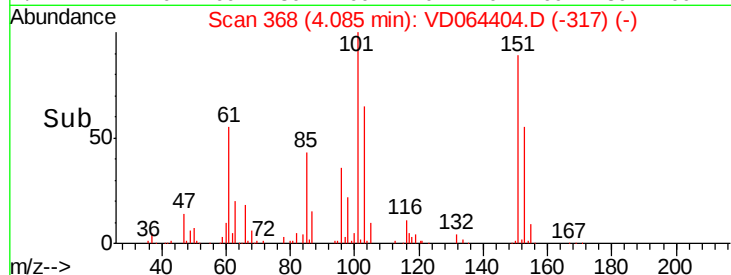
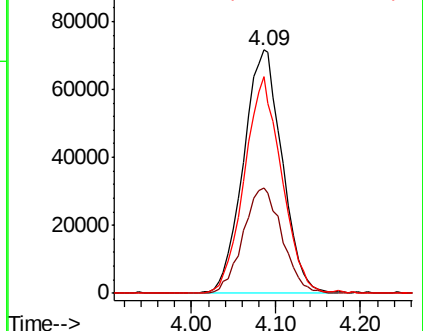
151 86.0 68.8 103.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 63.185 ug/l

RT: 4.30 min Scan# 404

Delta R.T. 0.00 min

Lab File: VD064404.D

Acq: 27 Nov 2019 19:18

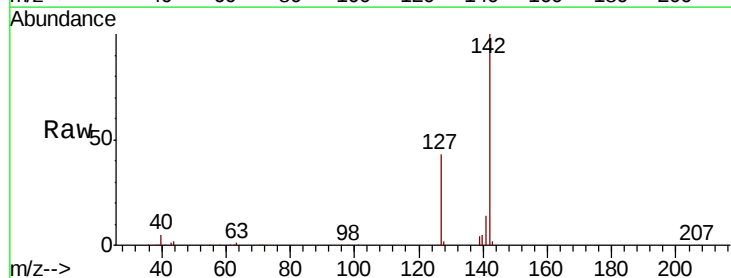
Tgt Ion:142 Resp: 277588

Ion Ratio Lower Upper

142 100

127 44.1 35.3 52.9

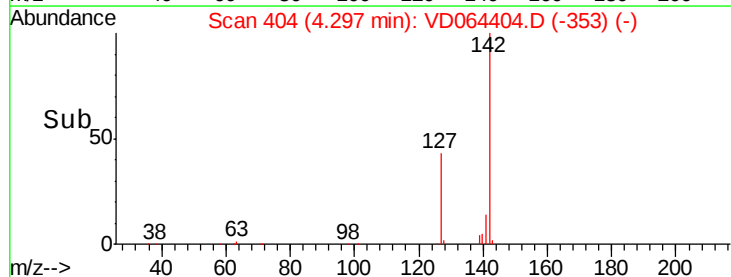
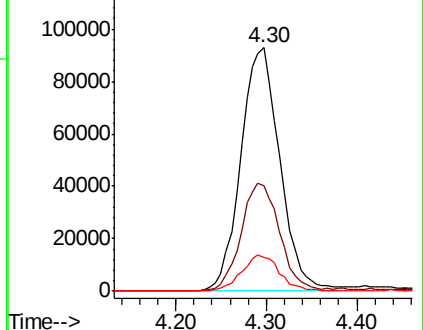
141 14.5 11.6 17.4

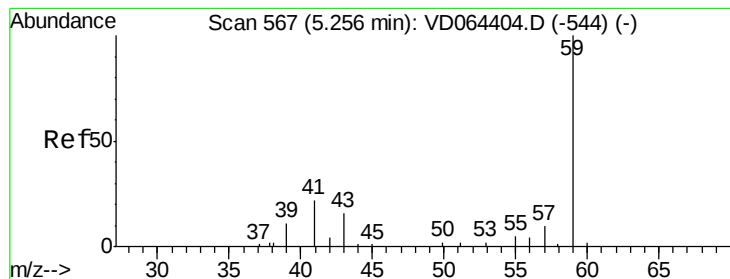


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



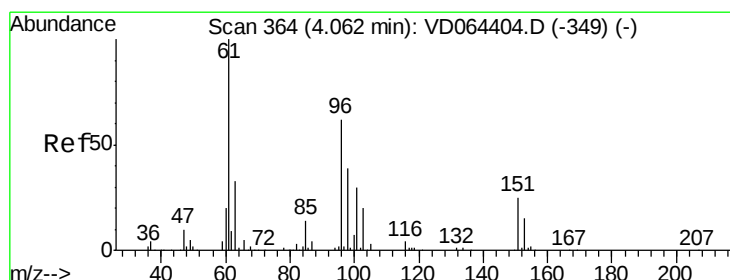
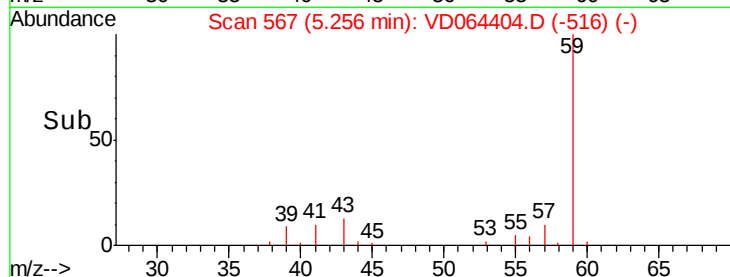
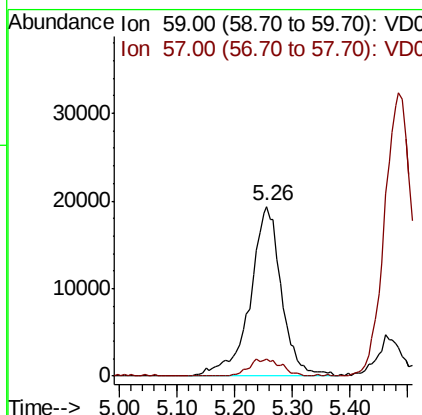
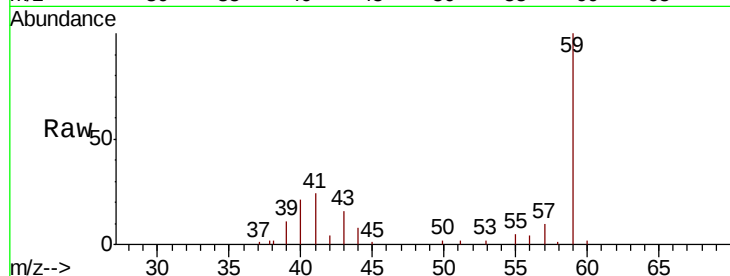


#11

Tert butyl alcohol
 Concen: 259.905 ug/l
 RT: 5.26 min Scan# 567
 Delta R.T. 0.00 min
 Lab File: VD064404.D
 Acq: 27 Nov 2019 19:18

Instrument :
 MSVOA_D
 ClientSampled :

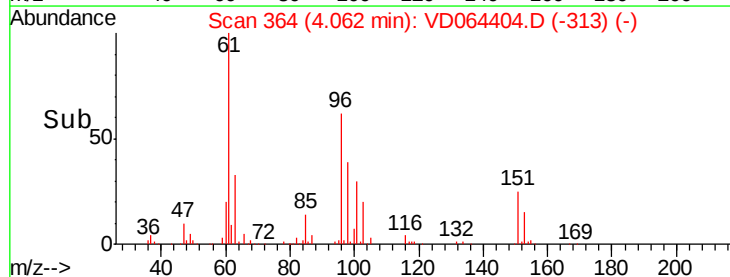
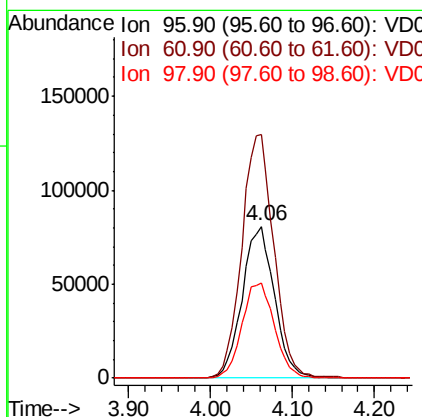
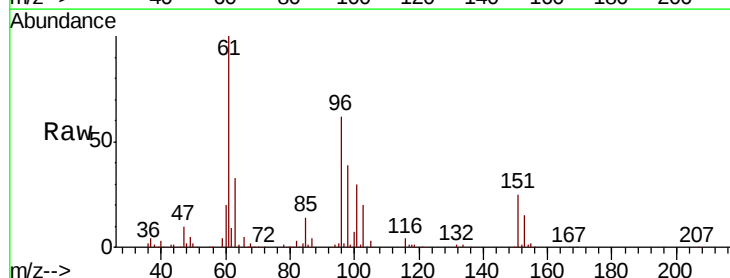
Tot Ion: 59 Resp: 73538
 Ion Ratio Lower Upper
 59 100
 57 0.0 0.0 0.0

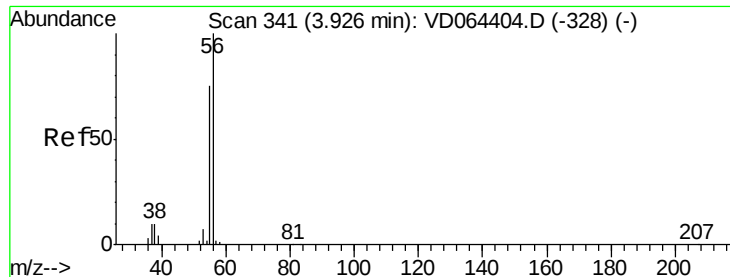


#12

1,1-Dichloroethene
 Concen: 53.026 ug/l
 RT: 4.06 min Scan# 364
 Delta R.T. 0.00 min
 Lab File: VD064404.D
 Acq: 27 Nov 2019 19:18

Tgt Ion: 96 Resp: 221476
 Ion Ratio Lower Upper
 96 100
 61 160.3 128.2 192.4
 98 63.0 50.4 75.6





#13

Acrolein

Concen: 363.707 ug/l

RT: 3.93 min Scan# 341

Delta R.T. 0.00 min

Lab File: VD064404.D

Acq: 27 Nov 2019 19:18

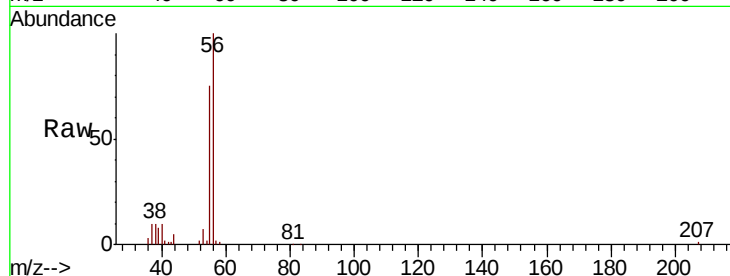
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 56 Resp: 92470

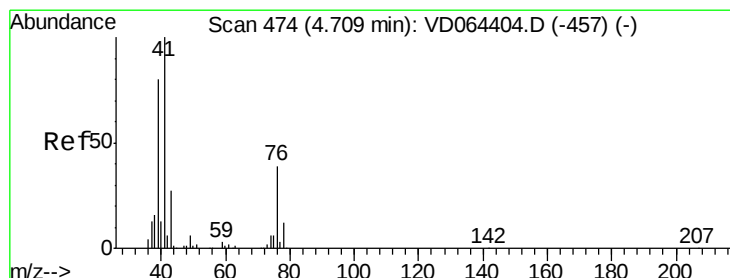
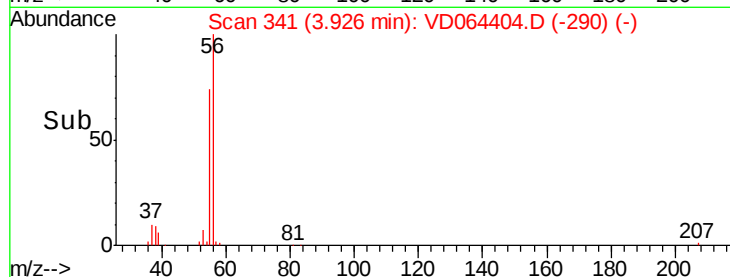
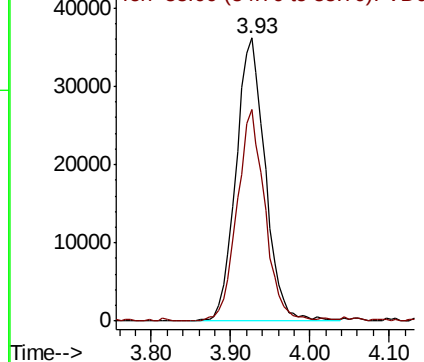
Ion Ratio Lower Upper

56 100

55 71.1 56.9 85.3



Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 48.523 ug/l

RT: 4.71 min Scan# 474

Delta R.T. 0.00 min

Lab File: VD064404.D

Acq: 27 Nov 2019 19:18

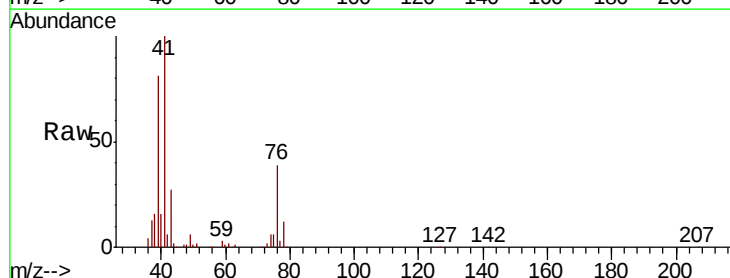
Tgt Ion: 41 Resp: 350541

Ion Ratio Lower Upper

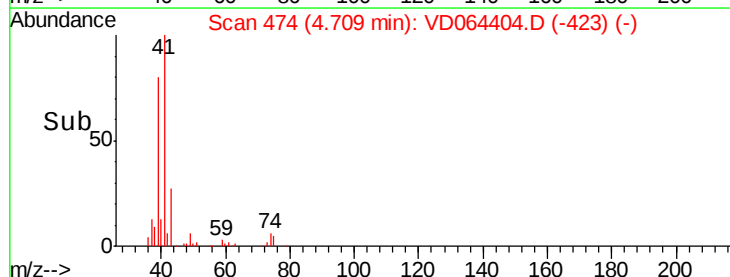
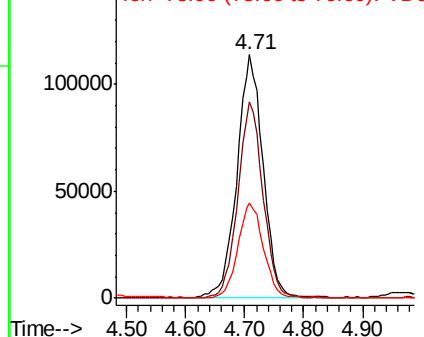
41 100

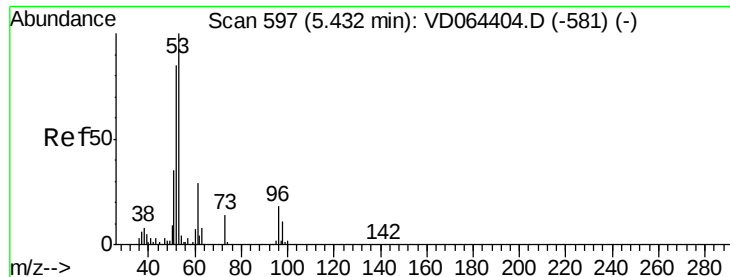
39 77.6 62.1 93.1

76 37.3 29.8 44.8



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: 270.500 ug/l

RT: 5.43 min Scan# 597

Delta R.T. 0.00 min

Lab File: VD064404.D

Acq: 27 Nov 2019 19:18

Instrument :
MSVOA_D
ClientSampleId :

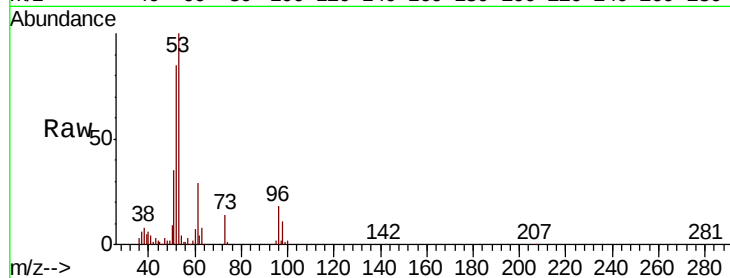
Tot Ion: 53 Resp: 244892

Ion Ratio Lower Upper

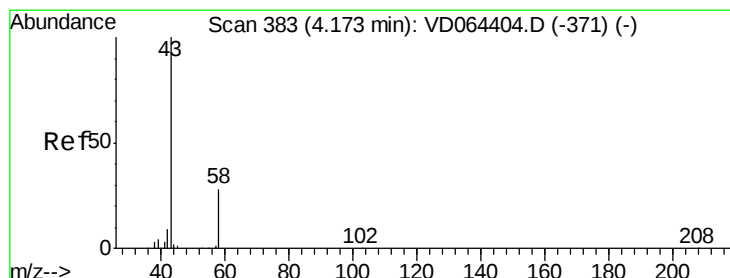
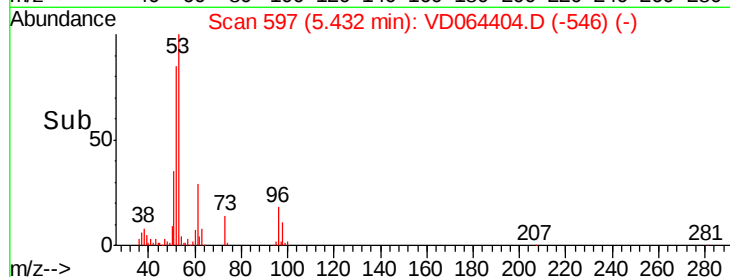
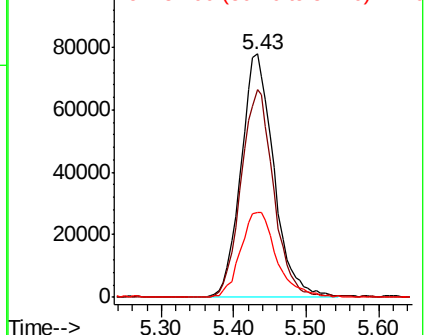
53 100

52 84.9 67.9 101.9

51 38.2 30.6 45.8



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



#16

Acetone

Concen: 253.832 ug/l

RT: 4.17 min Scan# 383

Delta R.T. 0.00 min

Lab File: VD064404.D

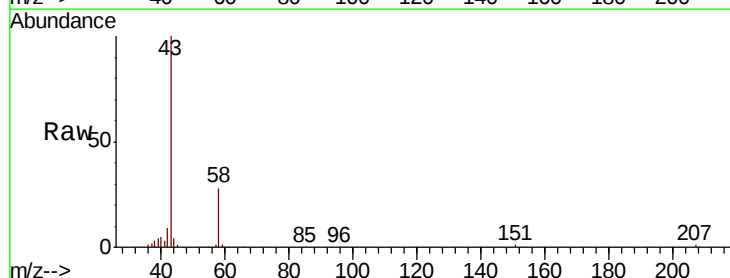
Acq: 27 Nov 2019 19:18

Tgt Ion: 43 Resp: 241267

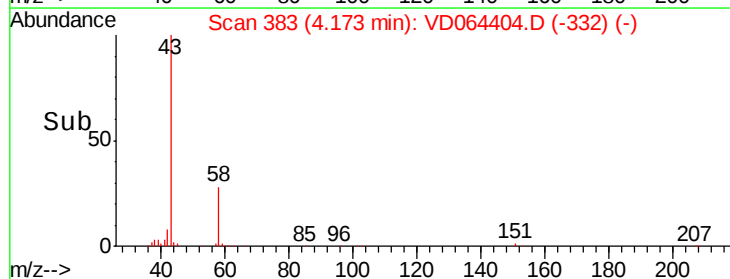
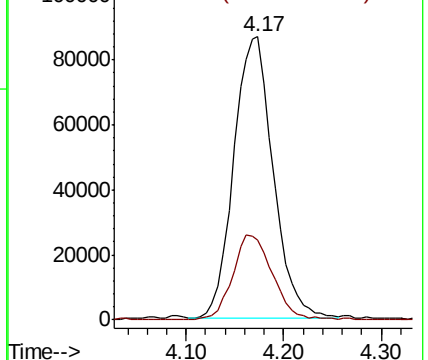
Ion Ratio Lower Upper

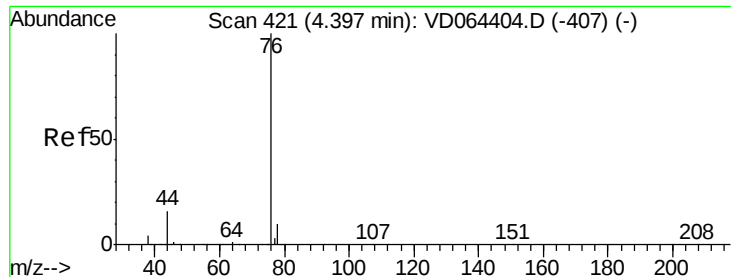
43 100

58 28.2 22.6 33.8



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





#17

Carbon Disulfide

Concen: 54.850 ug/l

RT: 4.40 min Scan# 421

Delta R.T. 0.00 min

Lab File: VD064404.D

Acq: 27 Nov 2019 19:18

Instrument :

MSVOA_D

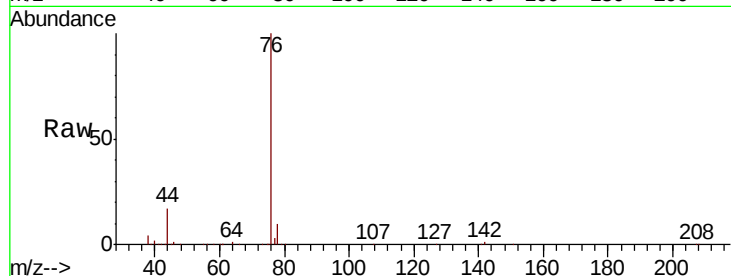
ClientSampled :

Tot Ion: 76 Resp: 716142

Ion Ratio Lower Upper

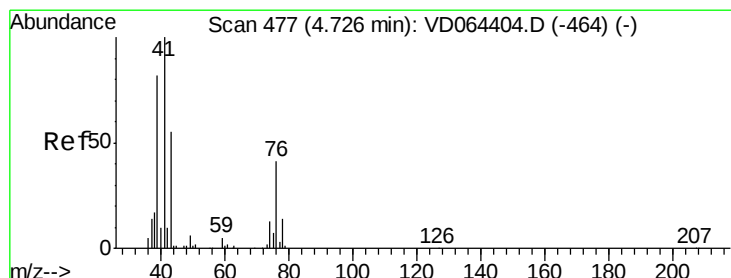
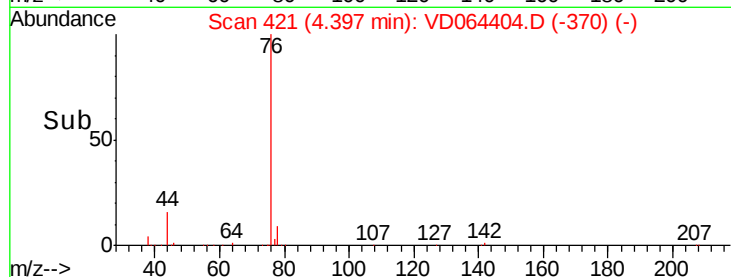
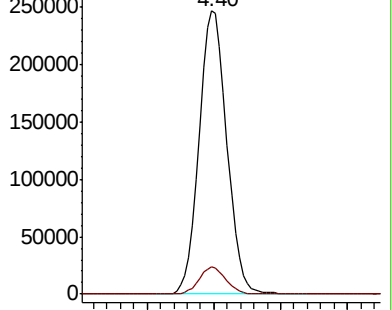
76 100

78 9.8 7.8 11.8



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#18

Methyl Acetate

Concen: 47.888 ug/l

RT: 4.73 min Scan# 477

Delta R.T. 0.00 min

Lab File: VD064404.D

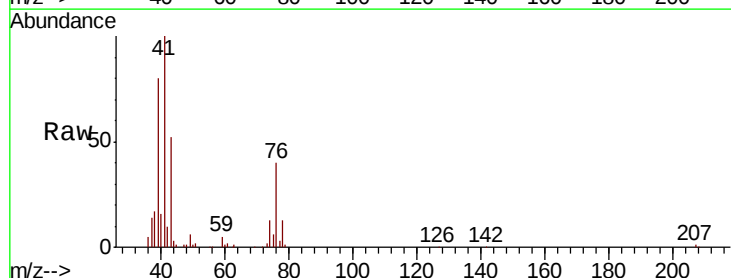
Acq: 27 Nov 2019 19:18

Tgt Ion: 43 Resp: 128047

Ion Ratio Lower Upper

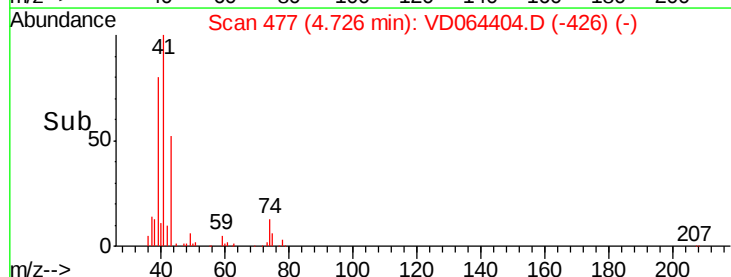
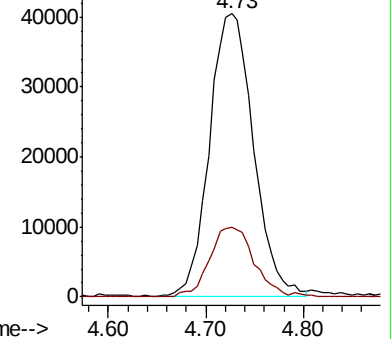
43 100

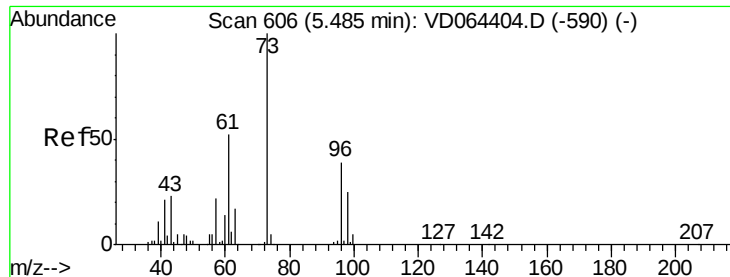
74 24.6 19.7 29.5



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC

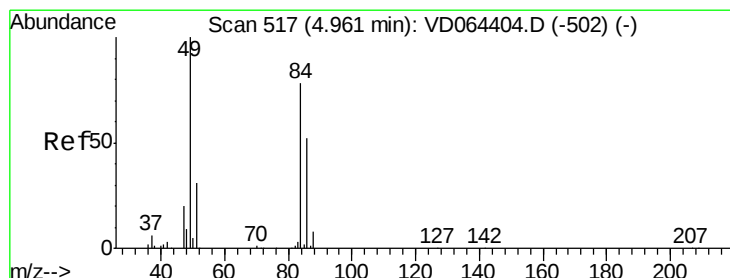
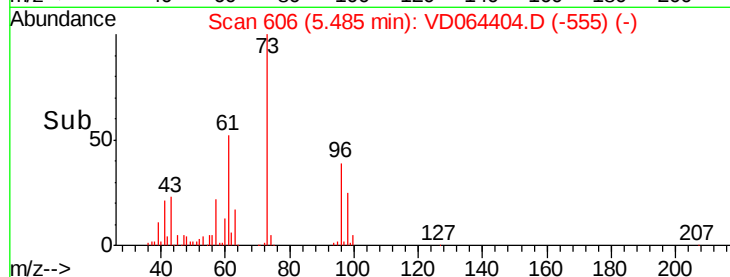
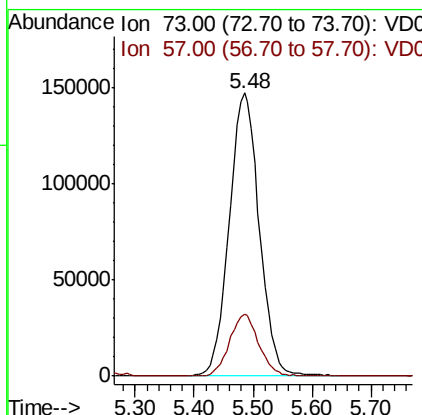
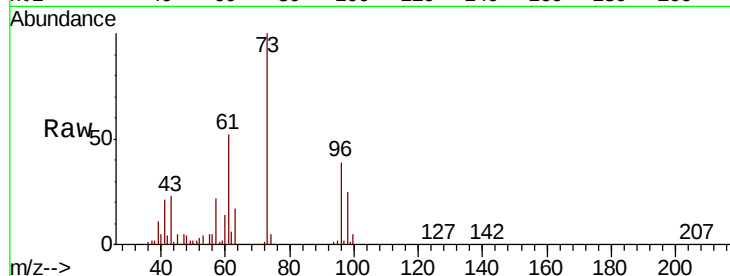




#19
Methvl tert-butvl Ether
Concen: 52.550 ug/l
RT: 5.48 min Scan# 606
Delta R.T. 0.00 min
Lab File: VD064404.D
Acq: 27 Nov 2019 19:18

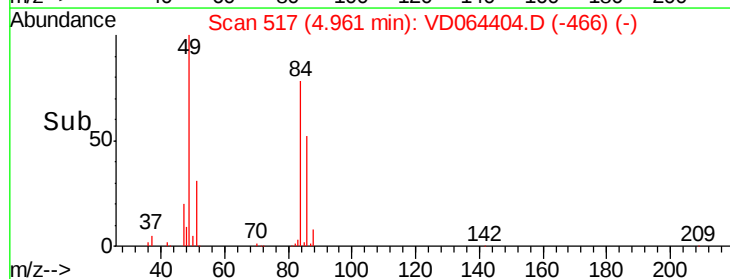
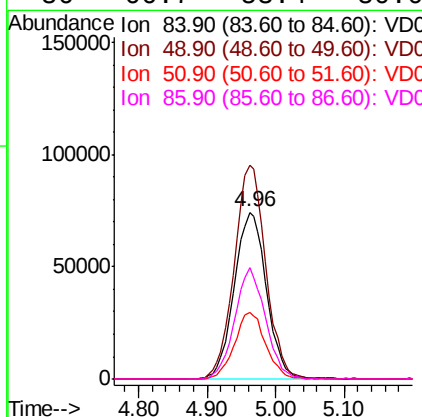
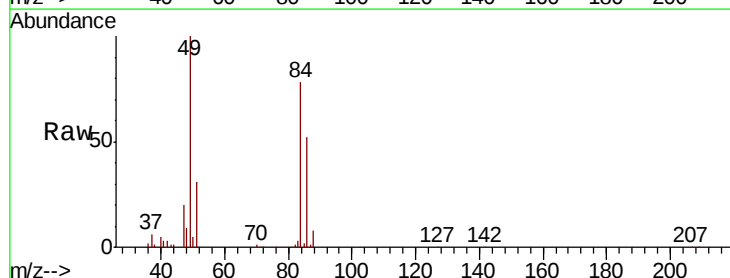
Instrument :
MSVOA_D
ClientSampleId :

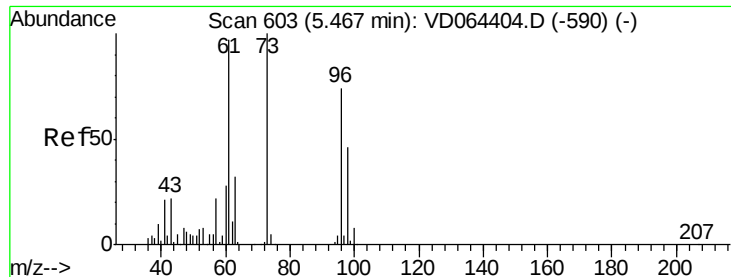
Tot Ion: 73 Resp: 522372
Ion Ratio Lower Upper
73 100
57 22.0 17.6 26.4



#20
Methylene Chloride
Concen: 49.515 ug/l
RT: 4.96 min Scan# 517
Delta R.T. 0.00 min
Lab File: VD064404.D
Acq: 27 Nov 2019 19:18

Tgt Ion: 84 Resp: 242615
Ion Ratio Lower Upper
84 100
49 128.2 102.6 153.8
51 40.0 32.0 48.0
86 66.7 53.4 80.0





#21

trans-1,2-Dichloroethene

Concen: 53.328 ug/l

RT: 5.47 min Scan# 603

Delta R.T. 0.00 min

Lab File: VD064404.D

Acq: 27 Nov 2019 19:18

Instrument :
MSVOA_D
ClientSampled :

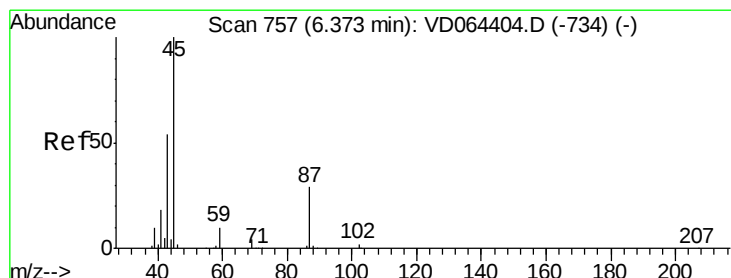
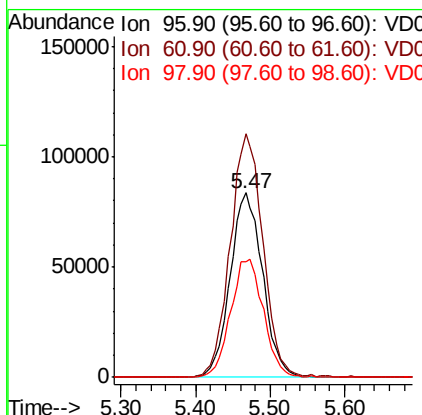
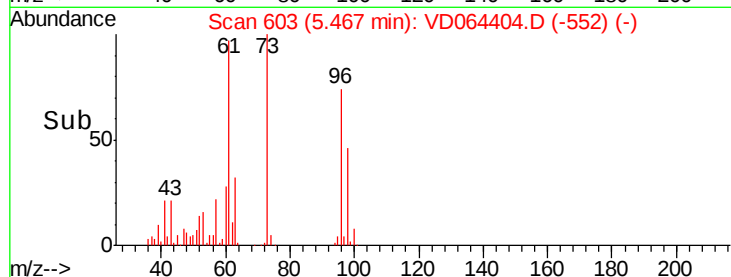
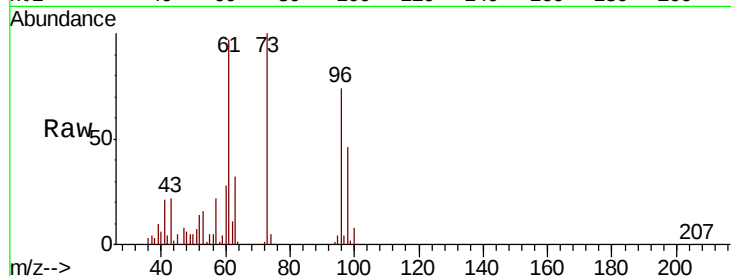
Tot Ion: 96 Resp: 252822

Ion Ratio Lower Upper

96 100

61 132.2 105.8 158.6

98 62.6 50.1 75.1



#22

Diisopropyl ether

Concen: 51.211 ug/l

RT: 6.37 min Scan# 757

Delta R.T. 0.00 min

Lab File: VD064404.D

Acq: 27 Nov 2019 19:18

Tgt Ion: 45 Resp: 696543

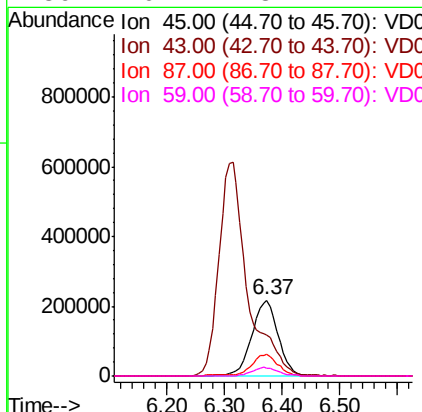
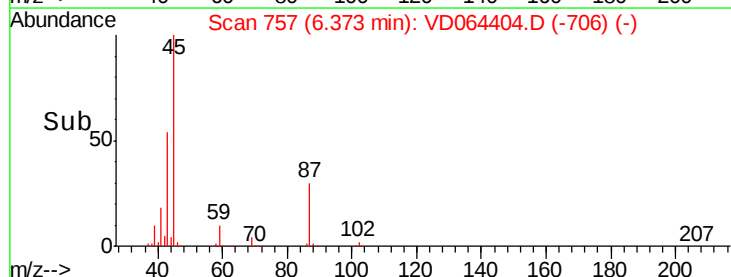
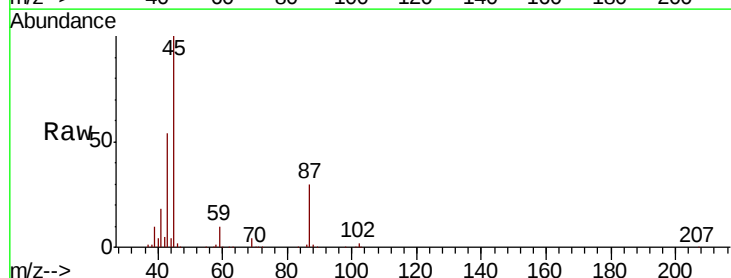
Ion Ratio Lower Upper

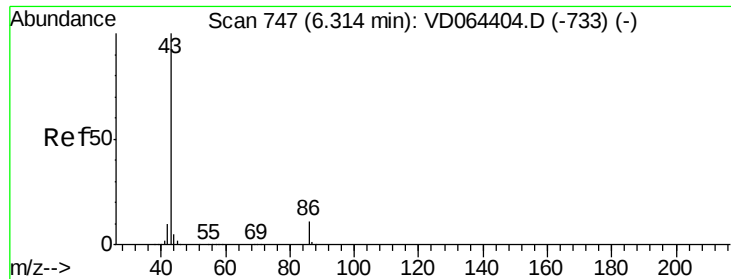
45 100

43 53.9 43.1 64.7

87 29.4 23.5 35.3

59 10.2 8.2 12.2





#23

Vinyl Acetate

Concen: 275.908 ug/l

RT: 6.31 min Scan# 747

Delta R.T. 0.00 min

Lab File: VD064404.D

Acq: 27 Nov 2019 19:18

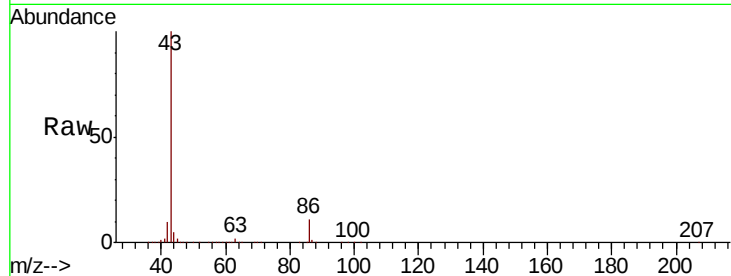
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 43 Resp: 2108946

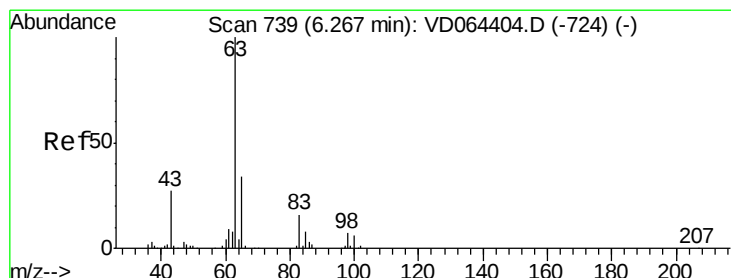
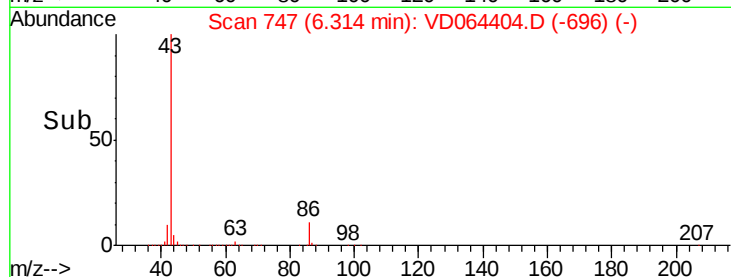
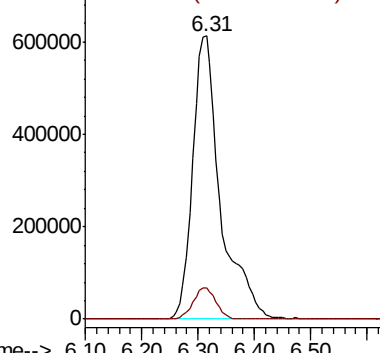
Ion Ratio Lower Upper

43 100

86 11.1 8.9 13.3



Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 52.927 ug/l

RT: 6.27 min Scan# 739

Delta R.T. 0.00 min

Lab File: VD064404.D

Acq: 27 Nov 2019 19:18

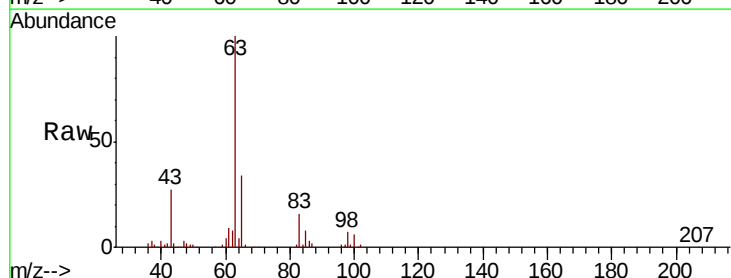
Tgt Ion: 63 Resp: 419865

Ion Ratio Lower Upper

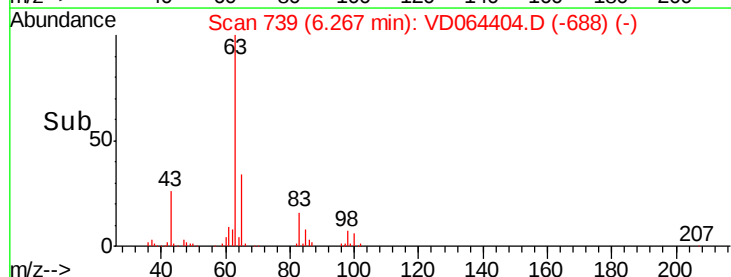
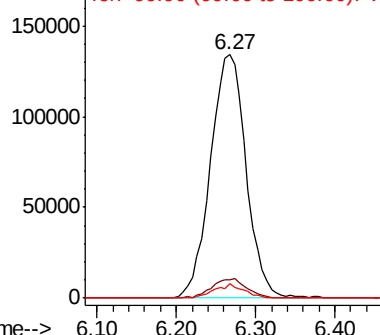
63 100

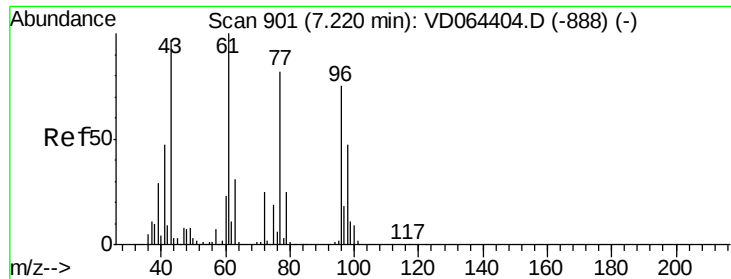
98 7.3 3.6 10.9

100 5.7 2.9 8.6



Abundance Ion 62.90 (62.60 to 63.60): VDC
Ion 97.90 (97.60 to 98.60): VDC
Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 263.005 ug/l

RT: 7.22 min Scan# 901

Delta R.T. 0.00 min

Lab File: VD064404.D

Acq: 27 Nov 2019 19:18

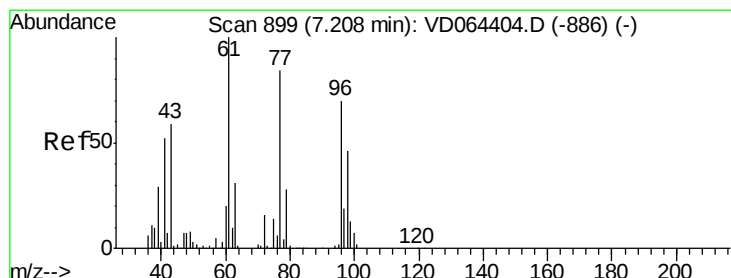
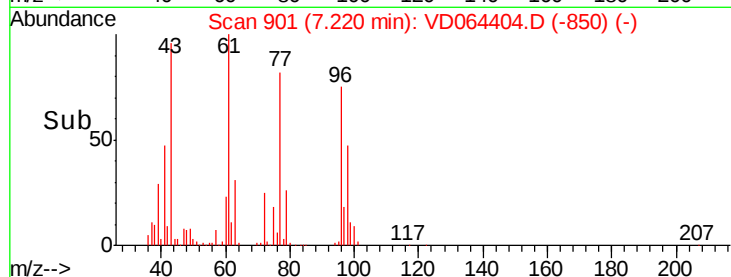
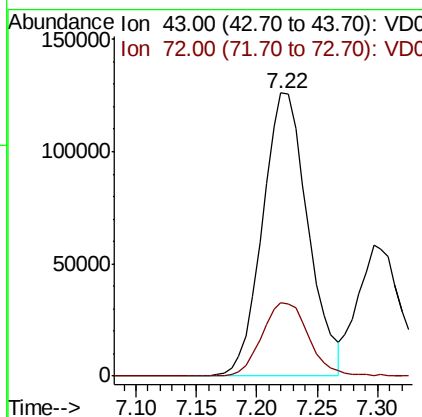
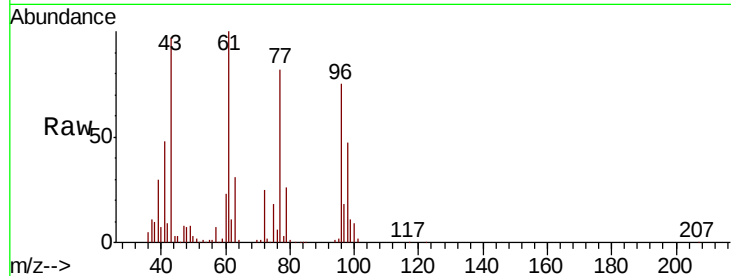
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 43 Resp: 328059

Ion Ratio Lower Upper

43 100

72 26.2 21.0 31.4



#26

2,2-Dichloropropane

Concen: 47.140 ug/l

RT: 7.21 min Scan# 899

Delta R.T. 0.00 min

Lab File: VD064404.D

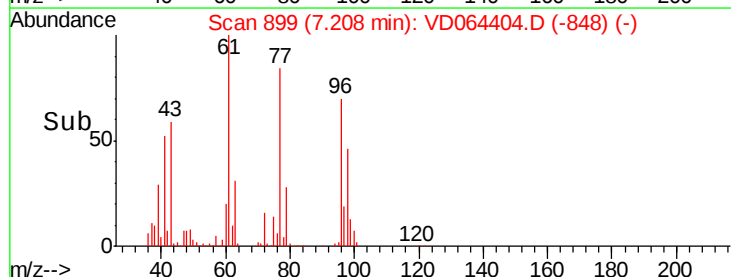
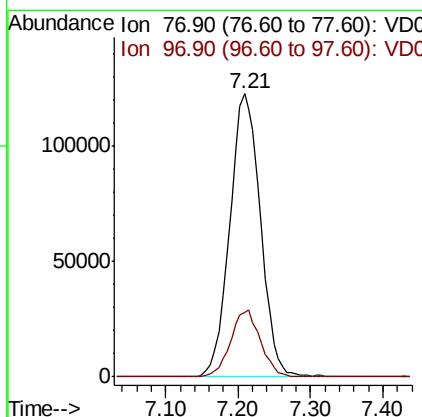
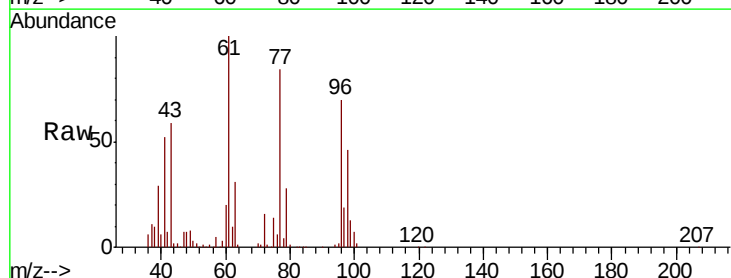
Acq: 27 Nov 2019 19:18

Tgt Ion: 77 Resp: 359672

Ion Ratio Lower Upper

77 100

97 23.1 11.6 34.7

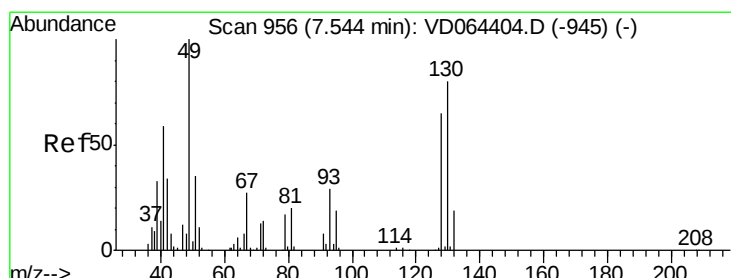
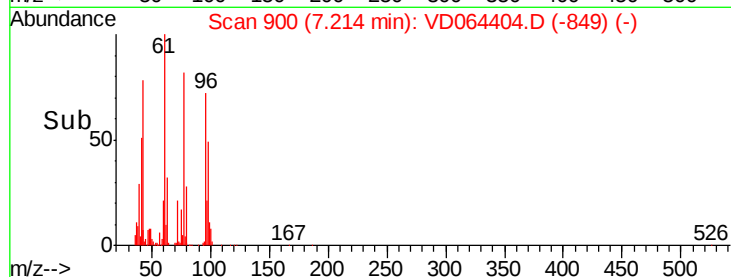
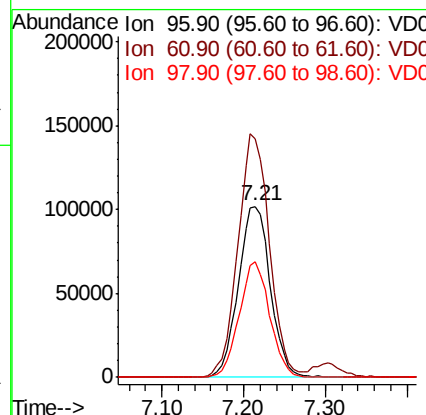
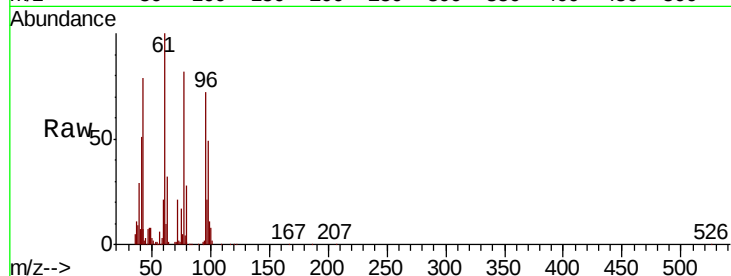




#27
 cis-1,2-Dichloroethene
 Concen: 54.290 ug/l
 RT: 7.21 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: VD064404.D
 Acq: 27 Nov 2019 19:18

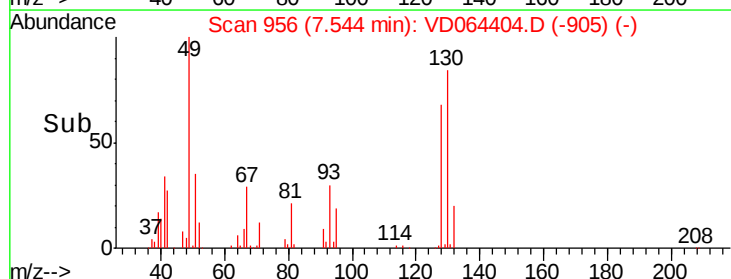
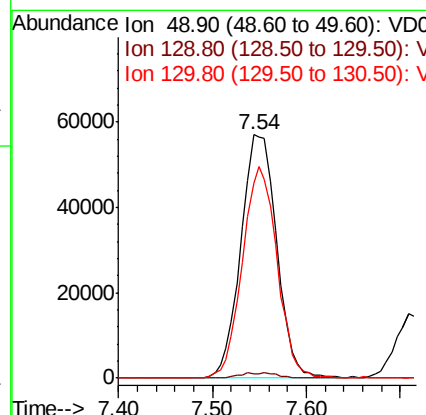
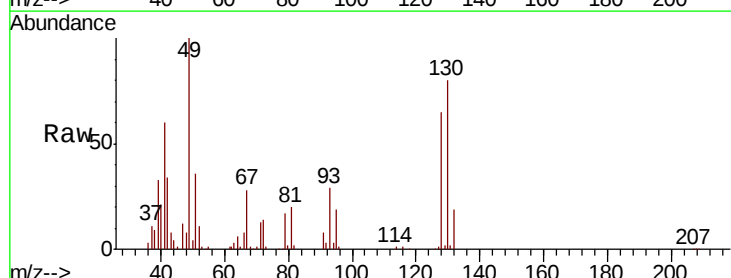
Instrument :
 MSVOA_D
 ClientSampleId :

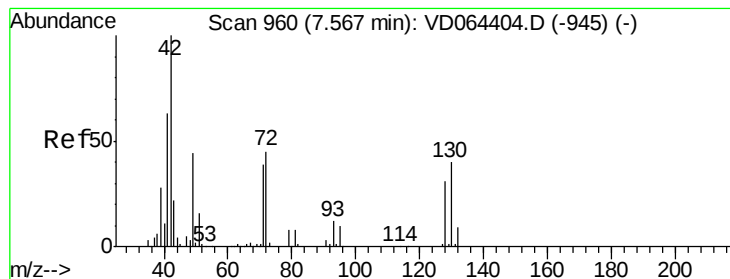
Tot Ion: 96 Resp: 277338
 Ion Ratio Lower Upper
 96 100
 61 139.8 0.0 279.6
 98 64.6 0.0 129.2



#28
 Bromochloromethane
 Concen: 54.765 ug/l
 RT: 7.54 min Scan# 956
 Delta R.T. 0.00 min
 Lab File: VD064404.D
 Acq: 27 Nov 2019 19:18

Tgt Ion: 49 Resp: 150999
 Ion Ratio Lower Upper
 49 100
 129 2.2 0.0 4.4
 130 84.2 67.4 101.0





#29

Tetrahydrofuran

Concen: 267.642 ug/l

RT: 7.57 min Scan# 960

Delta R.T. 0.00 min

Lab File: VD064404.D

Acq: 27 Nov 2019 19:18

Instrument :
MSVOA_D
ClientSampleId :

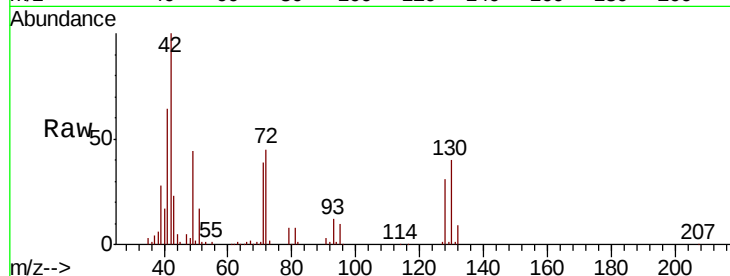
Tot Ion: 42 Resp: 201344

Ion Ratio Lower Upper

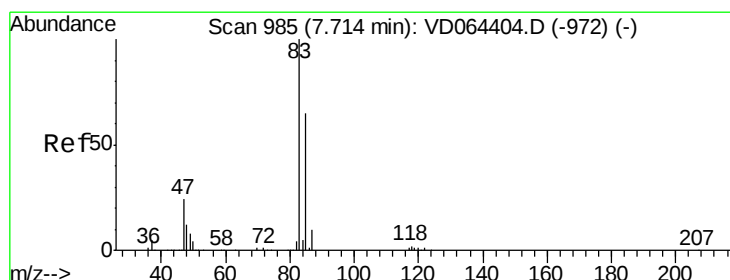
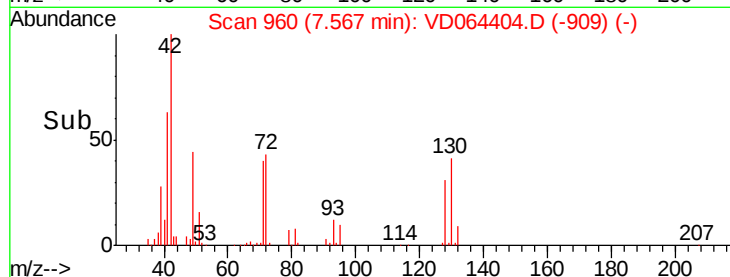
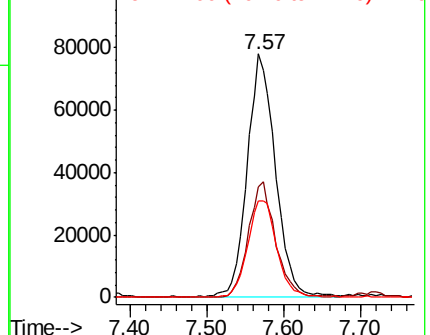
42 100

72 44.8 35.8 53.8

71 40.9 32.7 49.1



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



#30

Chloroform

Concen: 53.226 ug/l

RT: 7.71 min Scan# 985

Delta R.T. 0.00 min

Lab File: VD064404.D

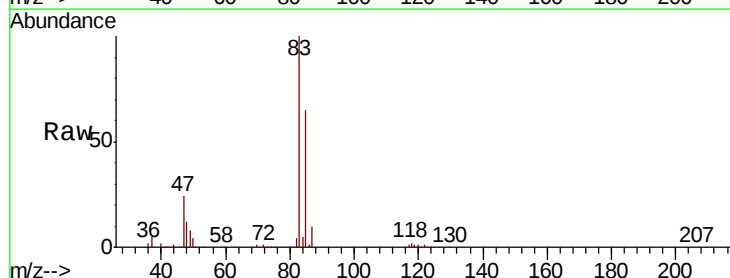
Acq: 27 Nov 2019 19:18

Tgt Ion: 83 Resp: 433251

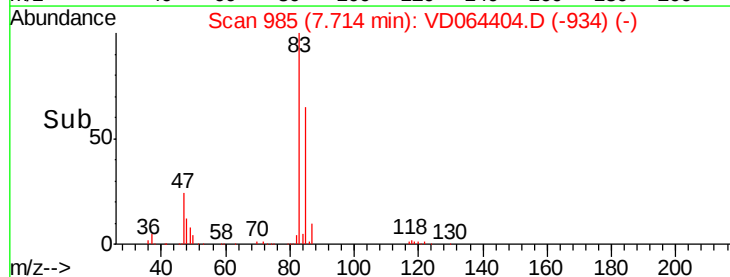
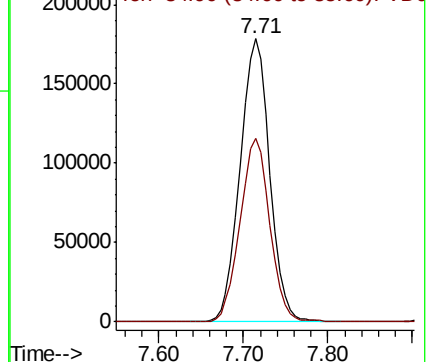
Ion Ratio Lower Upper

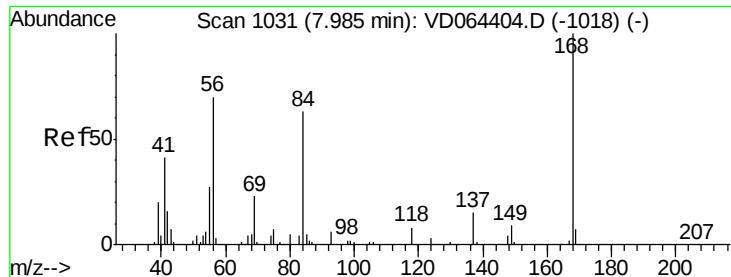
83 100

85 64.7 51.8 77.6



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

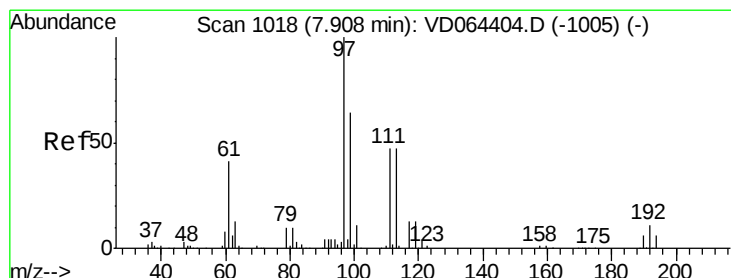
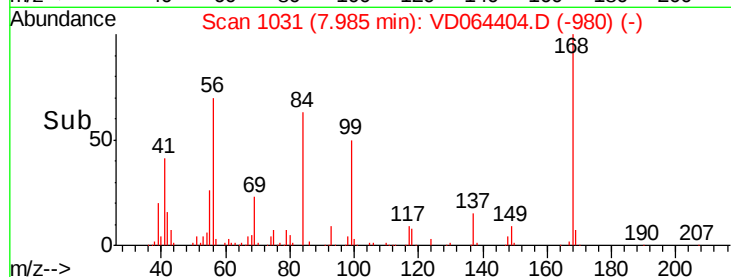
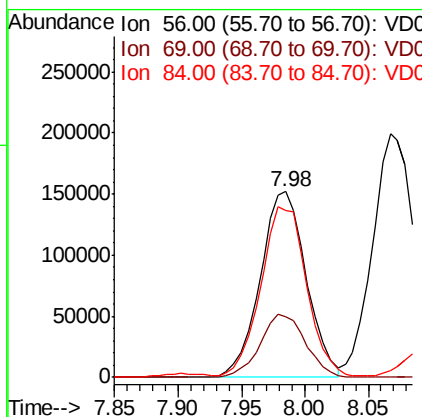
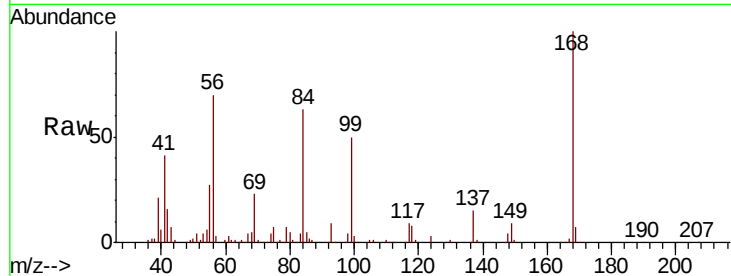




#31
Cyclohexane
Concen: 48.075 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD064404.D
Acq: 27 Nov 2019 19:18

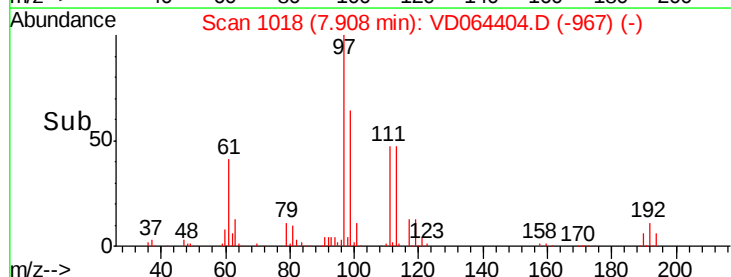
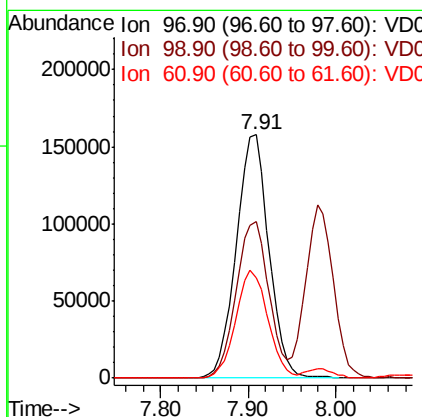
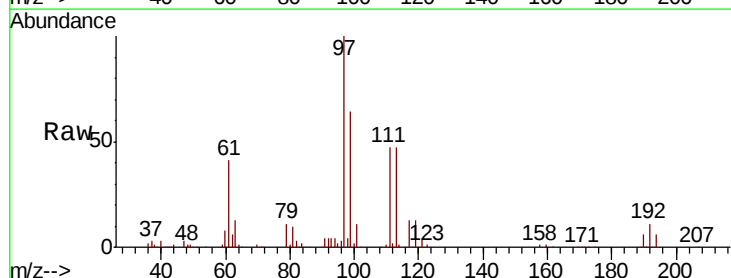
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 56 Resp: 382705
Ion Ratio Lower Upper
56 100
69 32.8 26.2 39.4
84 87.9 70.3 105.5



#32
1,1,1-Trichloroethane
Concen: 51.380 ug/l
RT: 7.91 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VD064404.D
Acq: 27 Nov 2019 19:18

Tgt Ion: 97 Resp: 398200
Ion Ratio Lower Upper
97 100
99 64.3 51.4 77.2
61 43.7 35.0 52.4





#33

1,2-Dichloroethane-d4

Concen: 54.092 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. 0.00 min

Lab File: VD064404.D

Acq: 27 Nov 2019 19:18

Instrument :

MSVOA_D

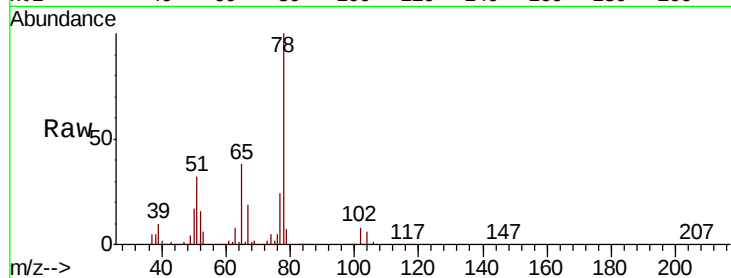
ClientSampled :

Tot Ion: 65 Resp: 219329

Ion Ratio Lower Upper

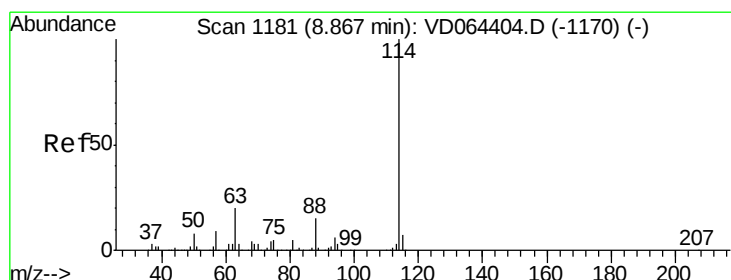
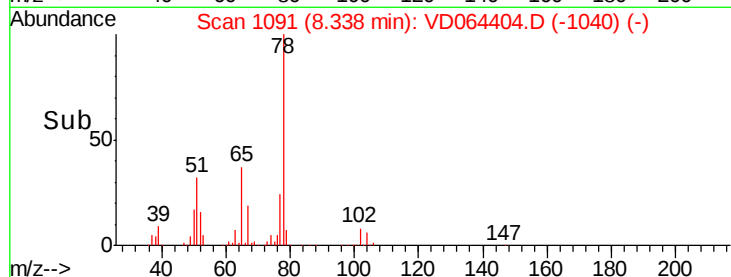
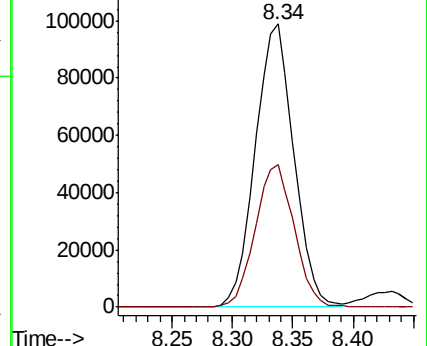
65 100

67 51.0 0.0 102.0



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: VD064404.D

Acq: 27 Nov 2019 19:18

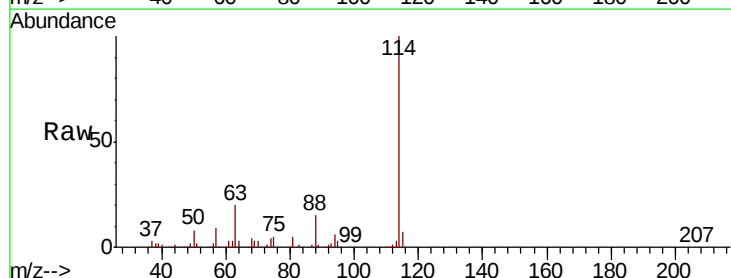
Tgt Ion: 114 Resp: 720405

Ion Ratio Lower Upper

114 100

63 20.0 0.0 40.0

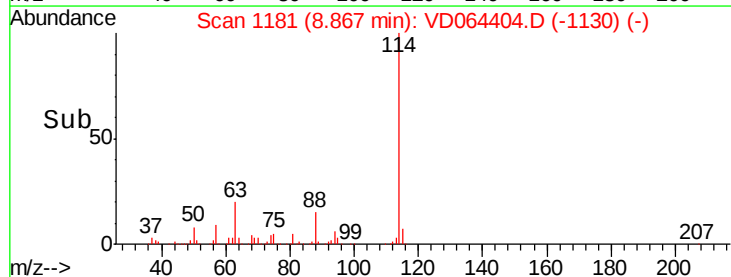
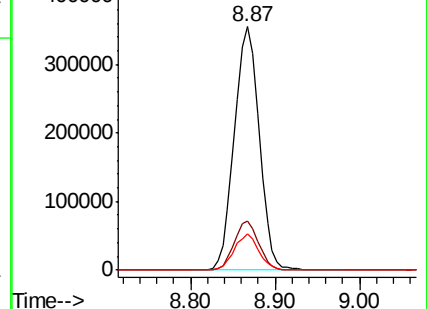
88 14.6 0.0 29.2

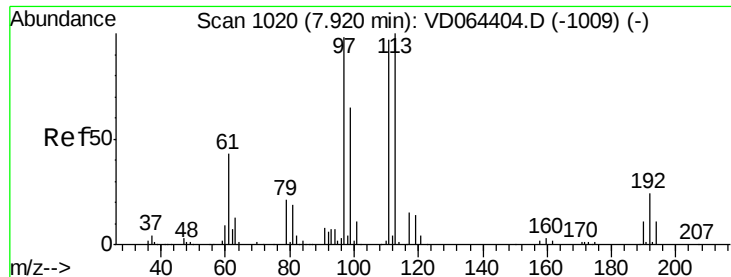


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 54.700 ug/l

RT: 7.92 min Scan# 1020

Delta R.T. 0.00 min

Lab File: VD064404.D

Acq: 27 Nov 2019 19:18

Instrument :

MSVOA_D

ClientSampleId :

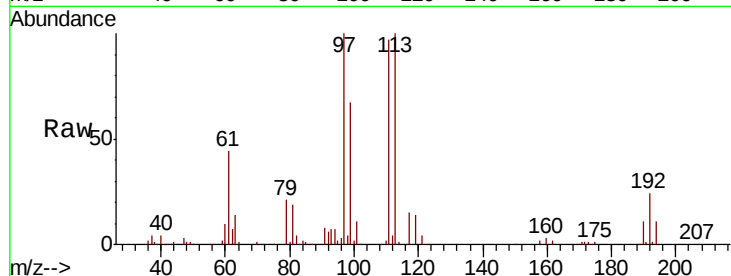
Tot Ion:113 Resp: 225932

Ion Ratio Lower Upper

113 100

111 99.3 79.4 119.2

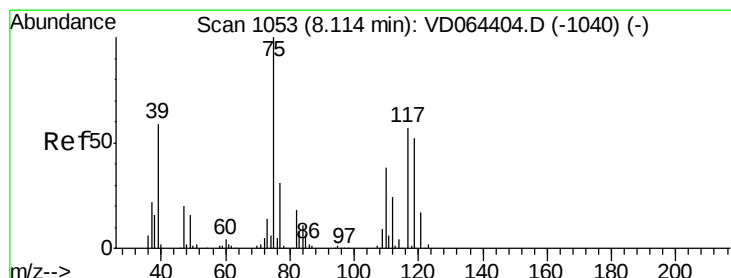
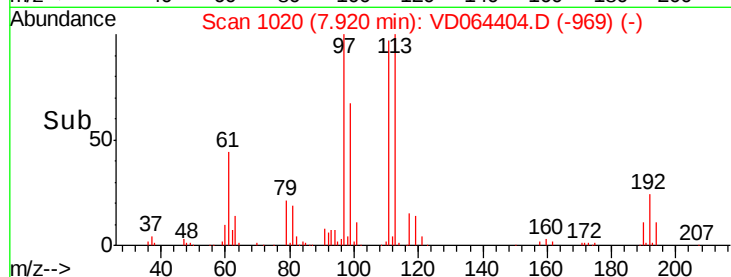
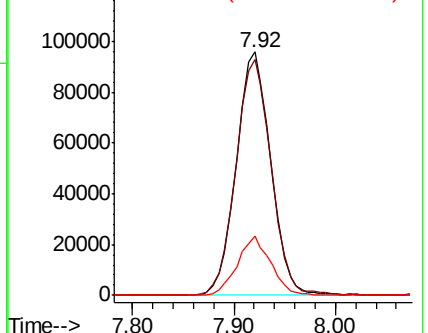
192 23.3 18.6 28.0



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 50.527 ug/l

RT: 8.11 min Scan# 1053

Delta R.T. 0.00 min

Lab File: VD064404.D

Acq: 27 Nov 2019 19:18

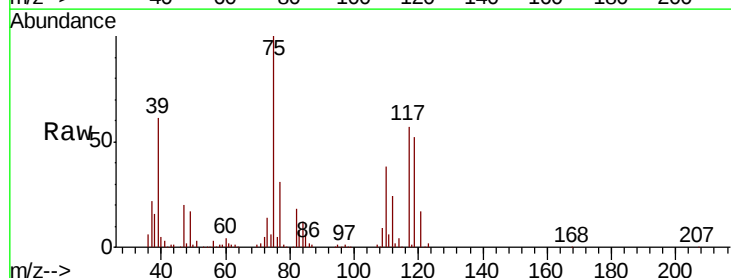
Tgt Ion: 75 Resp: 333500

Ion Ratio Lower Upper

75 100

110 37.2 18.6 55.8

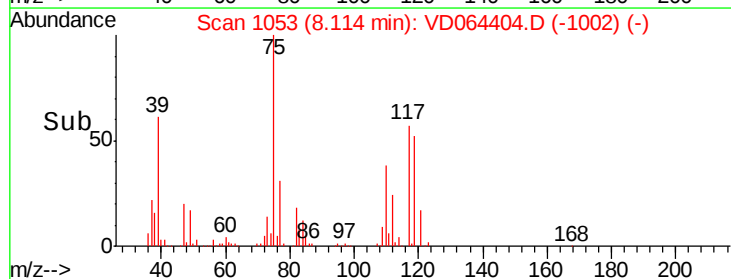
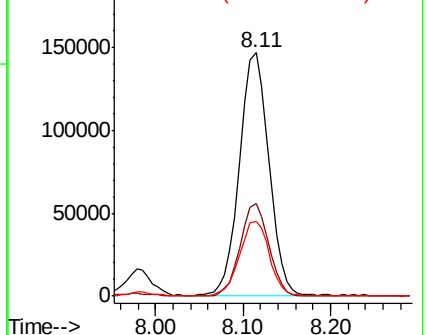
77 31.2 25.0 37.4

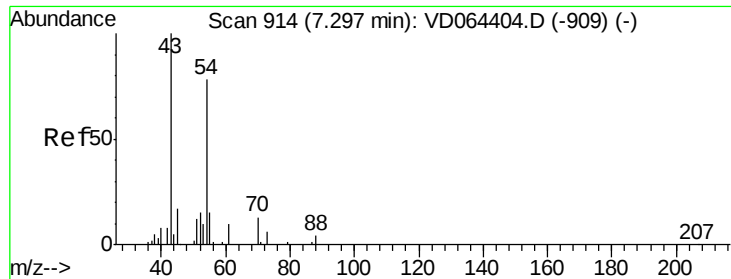


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

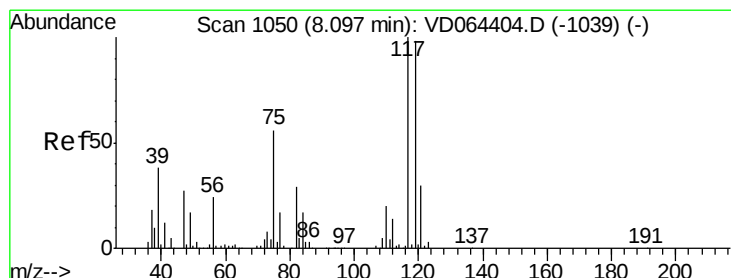
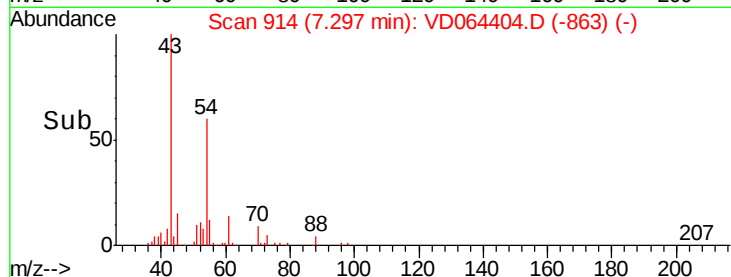
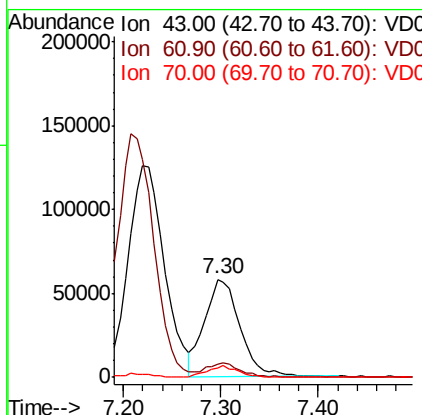
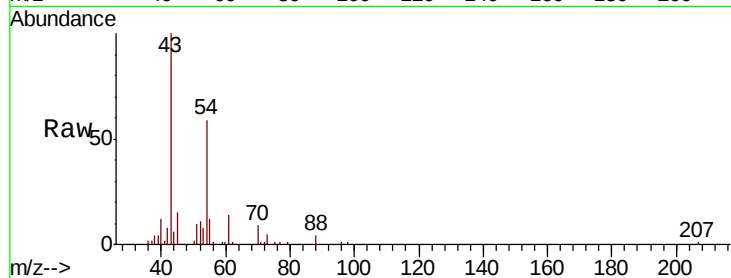




#37
Ethyl Acetate
Concen: 51.899 ug/l
RT: 7.30 min Scan# 914
Delta R.T. 0.00 min
Lab File: VD064404.D
Acq: 27 Nov 2019 19:18

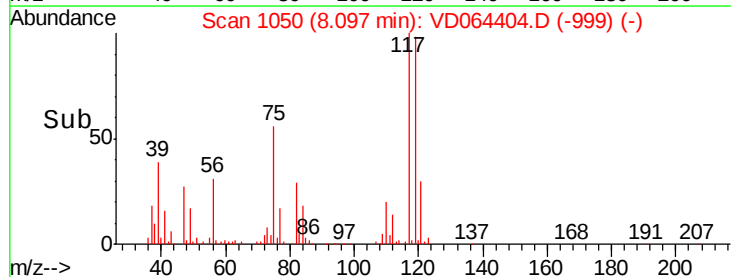
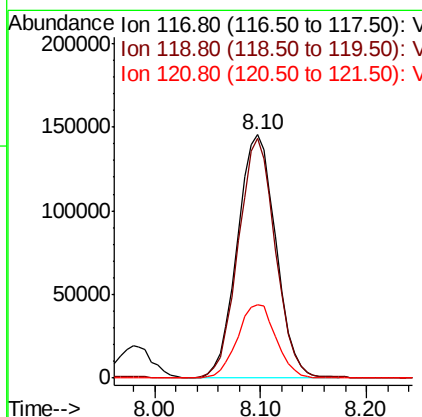
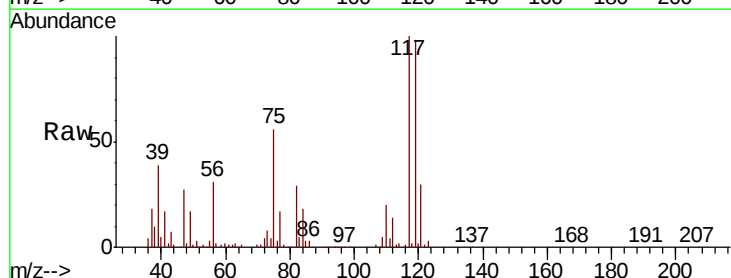
Instrument :
MSVOA_D
ClientSampleID :

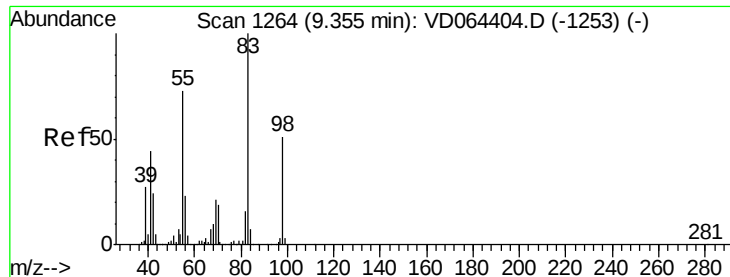
Tot Ion: 43 Resp: 145850
Ion Ratio Lower Upper
43 100
61 13.6 10.9 16.3
70 10.4 8.3 12.5



#38
Carbon Tetrachloride
Concen: 51.600 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VD064404.D
Acq: 27 Nov 2019 19:18

Tgt Ion: 117 Resp: 365848
Ion Ratio Lower Upper
117 100
119 98.5 78.8 118.2
121 30.2 24.2 36.2

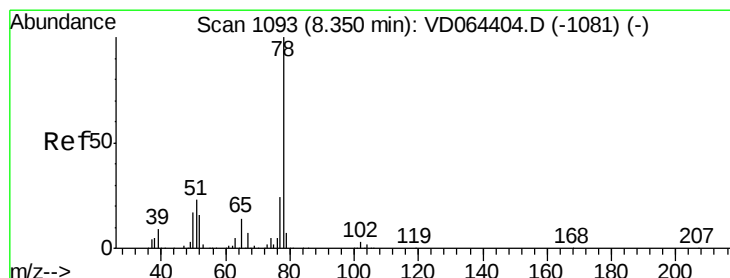
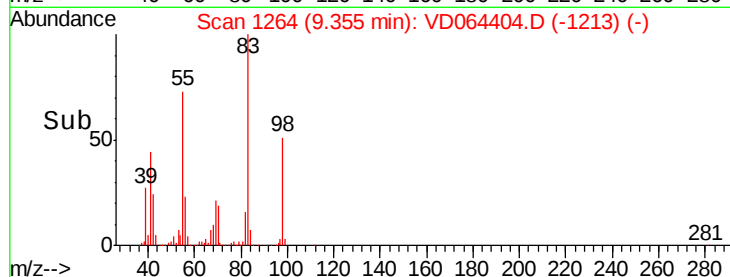
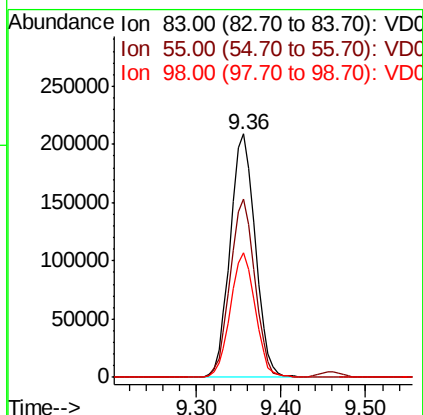
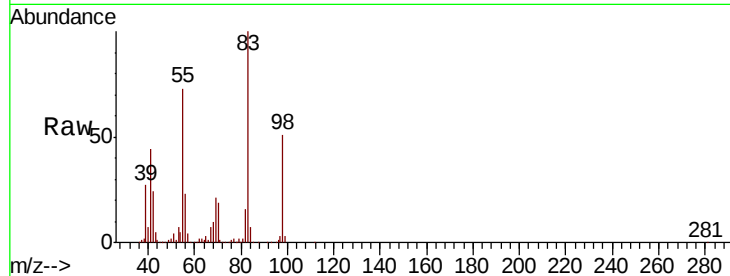




#39
Methvlcvclohexane
Concen: 51.033 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD064404.D
Acq: 27 Nov 2019 19:18

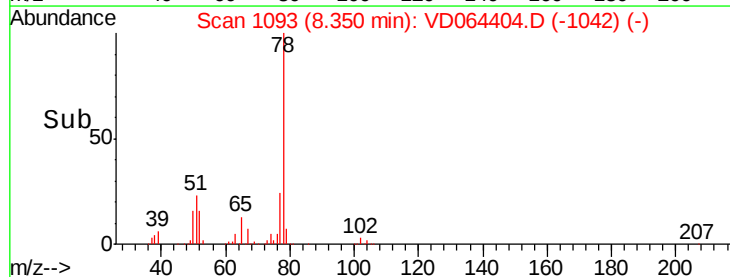
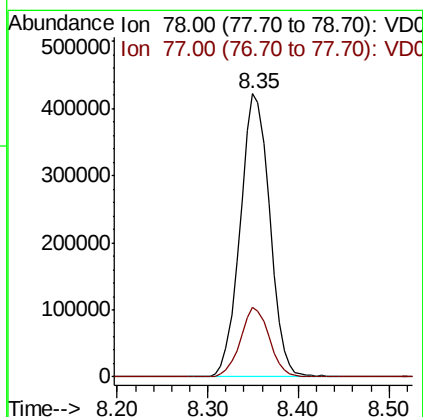
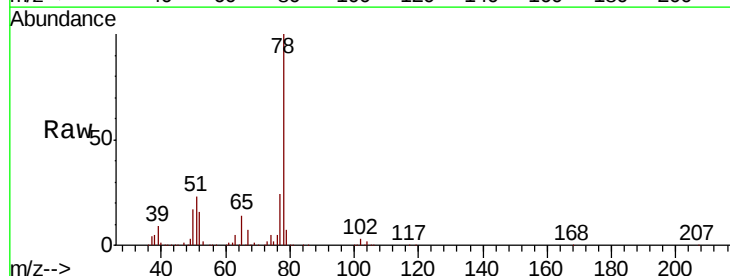
Instrument :
MSVOA_D
ClientSampled :

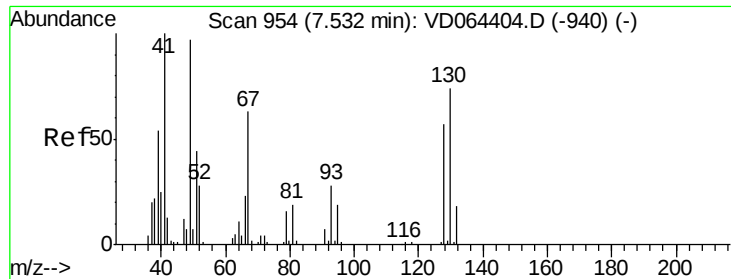
Tot Ion: 83 Resp: 428661
Ion Ratio Lower Upper
83 100
55 73.2 58.6 87.8
98 51.1 40.9 61.3



#40
Benzene
Concen: 52.613 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. 0.00 min
Lab File: VD064404.D
Acq: 27 Nov 2019 19:18

Tgt Ion: 78 Resp: 956215
Ion Ratio Lower Upper
78 100
77 24.5 19.6 29.4

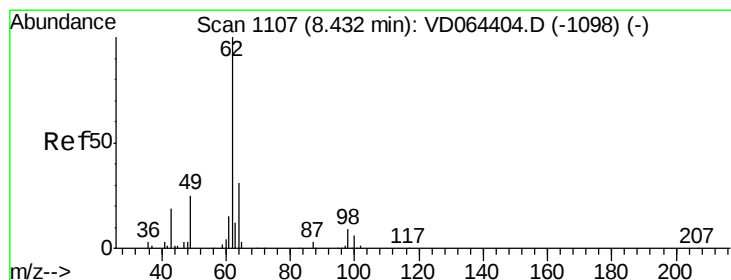
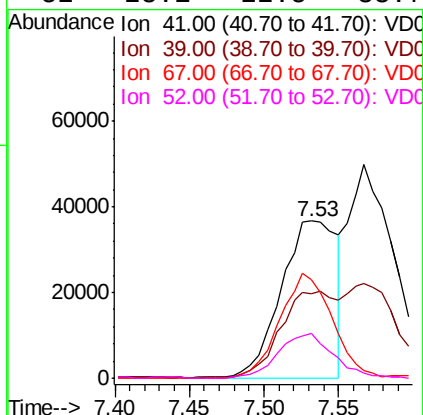
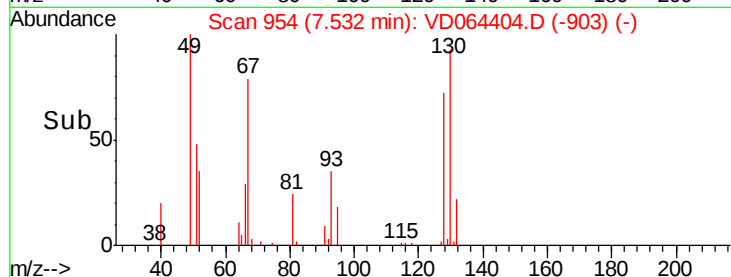
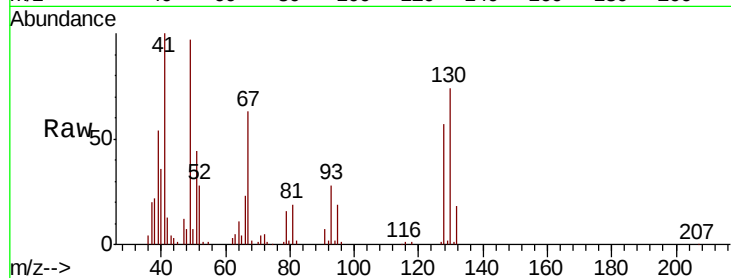




#41
Methacrylonitrile
Concen: 54.420 ug/l
RT: 7.53 min Scan# 954
Delta R.T. 0.00 min
Lab File: VD064404.D
Acq: 27 Nov 2019 19:18

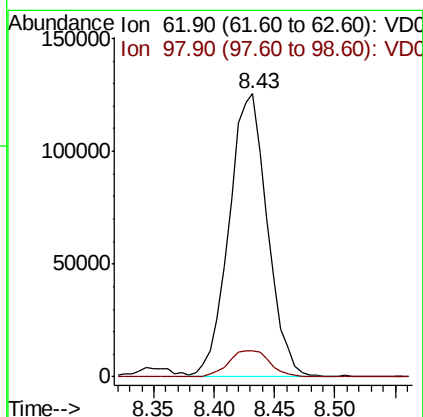
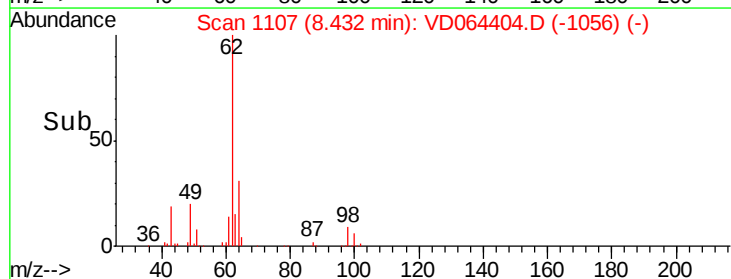
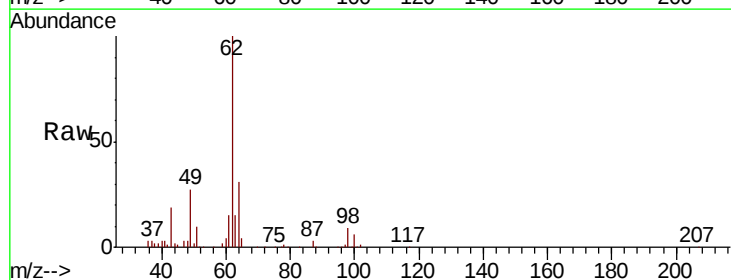
Instrument :
MSVOA_D
ClientSampleId :

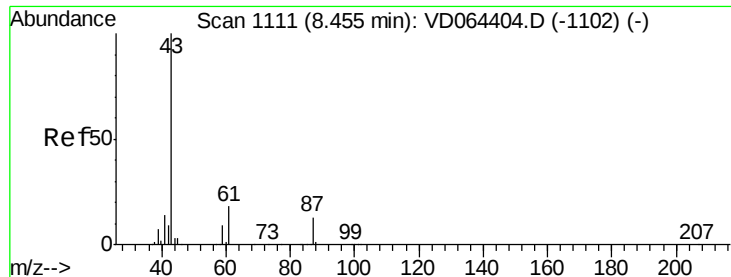
Tot Ion:	41	Resp:	95791
Ion	Ratio	Lower	Upper
41	100		
39	55.8	44.6	67.0
67	63.6	50.9	76.3
52	28.1	22.5	33.7



#42
1,2-Dichloroethane
Concen: 50.794 ug/l
RT: 8.43 min Scan# 1107
Delta R.T. 0.00 min
Lab File: VD064404.D
Acq: 27 Nov 2019 19:18

Tgt Ion:	62	Resp:	276183
Ion	Ratio	Lower	Upper
62	100		
98	10.3	0.0	20.6





#43

Isopropyl Acetate

Concen: 50.722 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. 0.00 min

Lab File: VD064404.D

Acq: 27 Nov 2019 19:18

Instrument :

MSVOA_D

ClientSampleId :

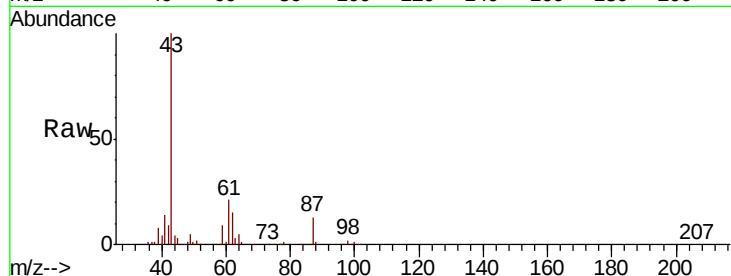
Tot Ion: 43 Resp: 291519

Ion Ratio Lower Upper

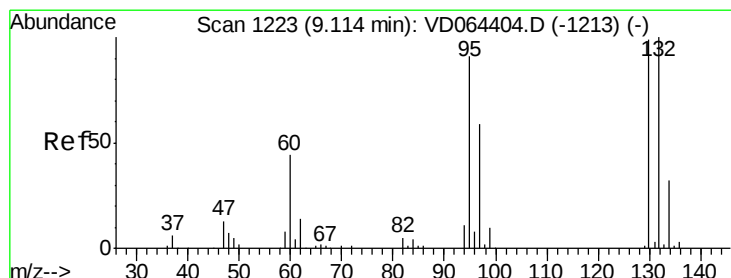
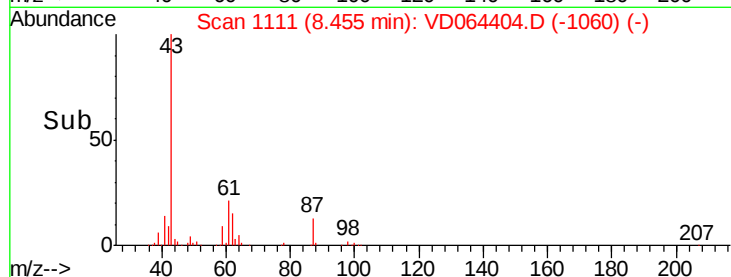
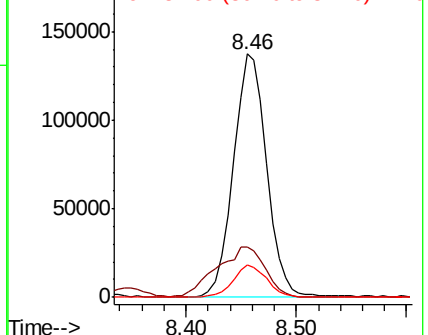
43 100

61 30.0 24.0 36.0

87 13.2 10.6 15.8



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



#44

Trichloroethene

Concen: 51.590 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. 0.00 min

Lab File: VD064404.D

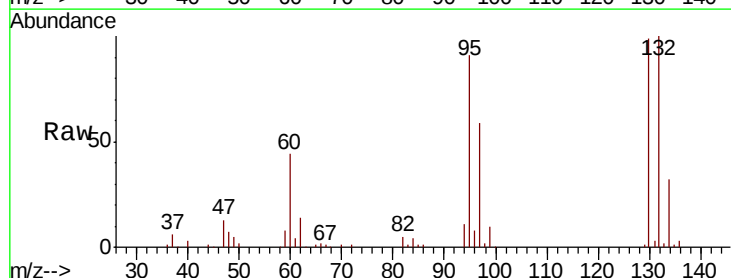
Acq: 27 Nov 2019 19:18

Tgt Ion: 130 Resp: 280580

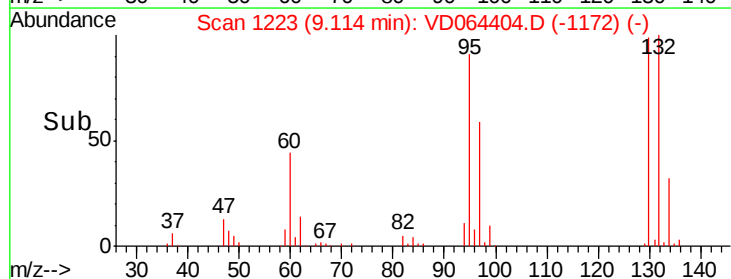
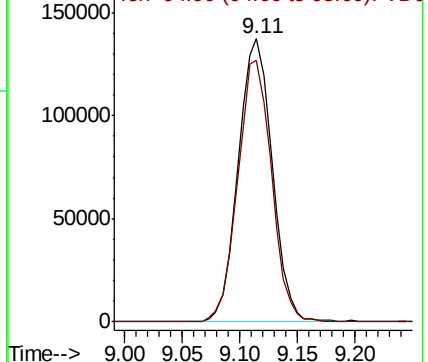
Ion Ratio Lower Upper

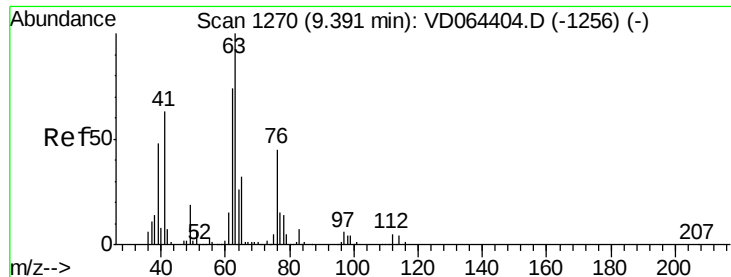
130 100

95 92.3 0.0 184.6



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





#45

1,2-Dichloropropane

Concen: 52.695 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VD064404.D

Acq: 27 Nov 2019 19:18

Instrument :

MSVOA_D

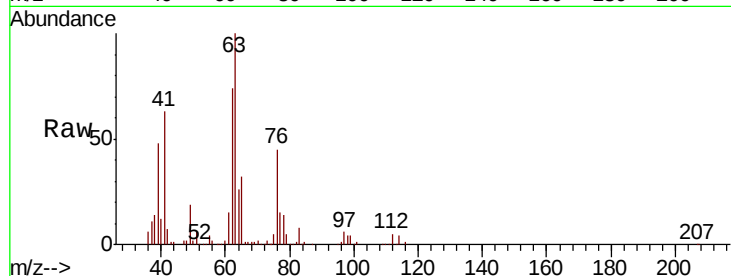
ClientSampleId :

Tot Ion: 63 Resp: 233591

Ion Ratio Lower Upper

63 100

65 31.7 25.4 38.0



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC

9.39

120000

100000

80000

60000

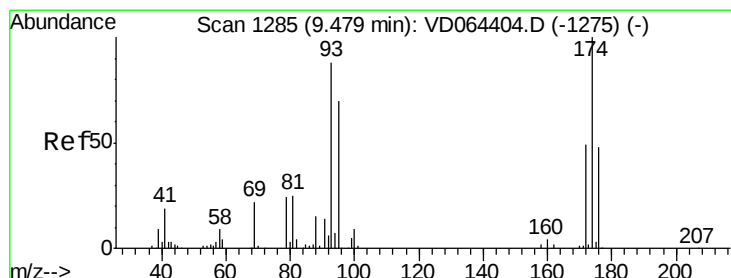
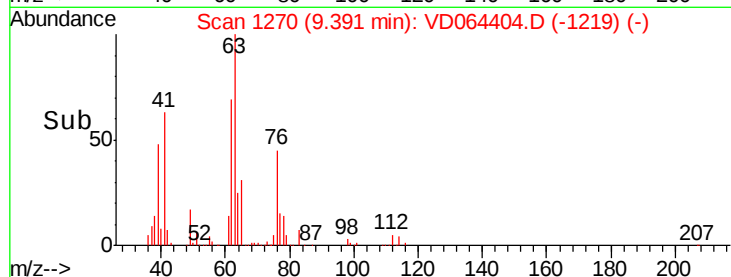
40000

20000

0

Time-->

9.30 9.40 9.50



#46

Dibromomethane

Concen: 54.418 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. 0.00 min

Lab File: VD064404.D

Acq: 27 Nov 2019 19:18

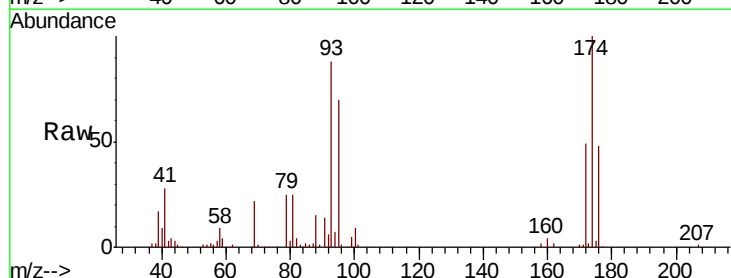
Tgt Ion: 93 Resp: 130099

Ion Ratio Lower Upper

93 100

95 83.4 66.7 100.1

174 115.4 92.3 138.5



Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): VDC

100000

80000

60000

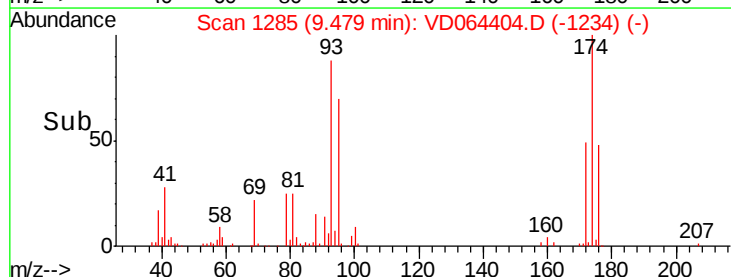
40000

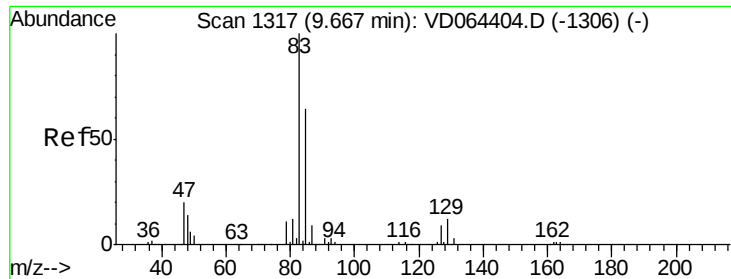
20000

0

Time-->

9.40 9.45 9.50 9.55





#47

Bromodichloromethane

Concen: 52.908 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VD064404.D

Acq: 27 Nov 2019 19:18

Instrument :

MSVOA_D

ClientSampleId :

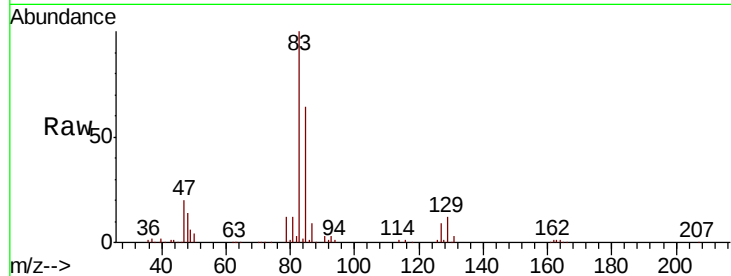
Tot Ion: 83 Resp: 338617

Ion Ratio Lower Upper

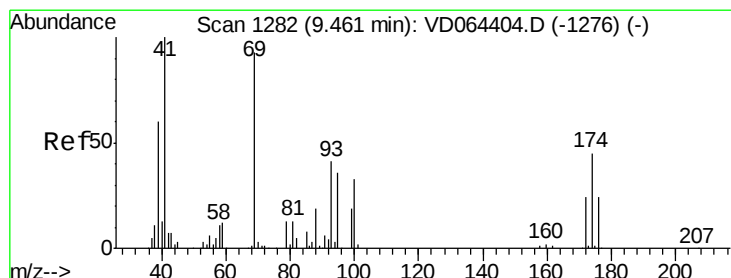
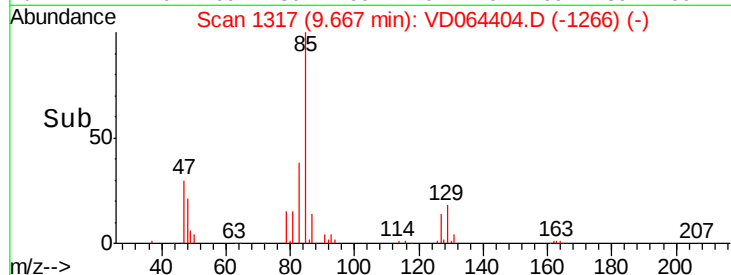
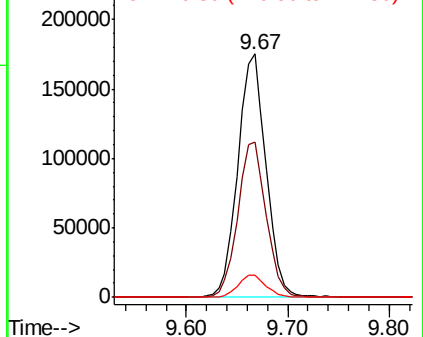
83 100

85 63.9 51.1 76.7

127 9.2 7.4 11.0



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



#48

Methyl methacrylate

Concen: 47.472 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VD064404.D

Acq: 27 Nov 2019 19:18

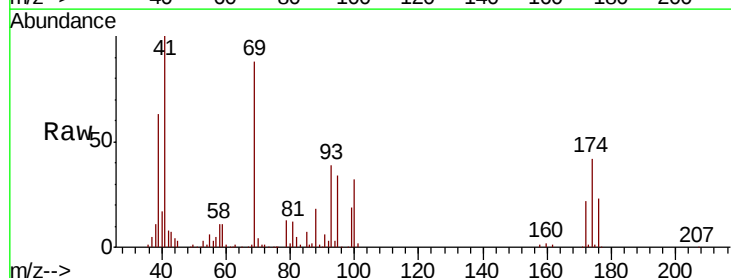
Tgt Ion: 41 Resp: 132370

Ion Ratio Lower Upper

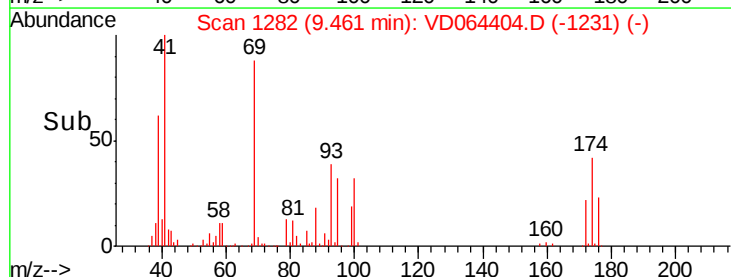
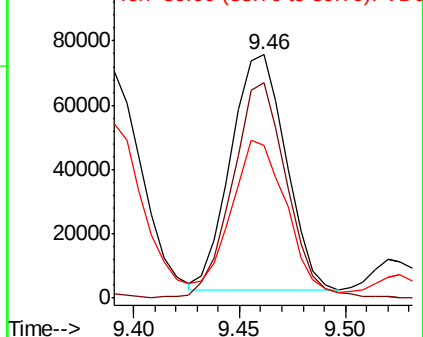
41 100

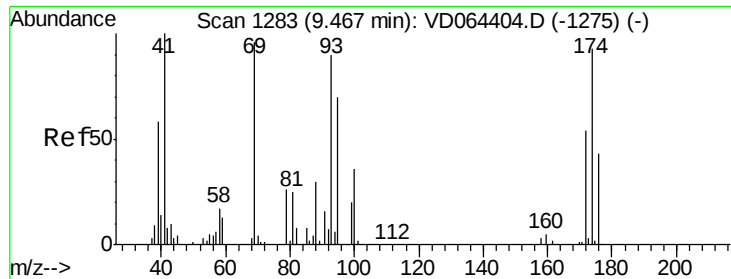
69 90.0 72.0 108.0

39 69.0 55.2 82.8



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





#49

1,4-Dioxane

Concen: 1055.255 ug/l

RT: 9.47 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VD064404.D

Acq: 27 Nov 2019 19:18

Instrument :
MSVOA_D
ClientSampleId :

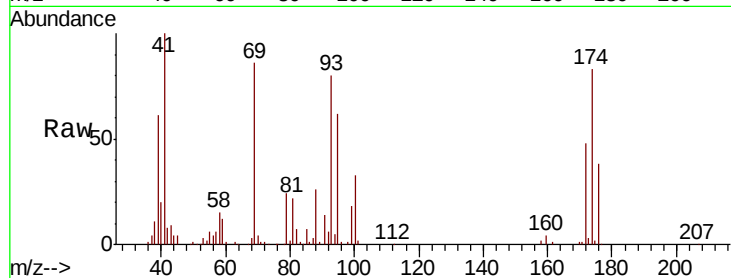
Tot Ion: 88 Resp: 30341

Ion Ratio Lower Upper

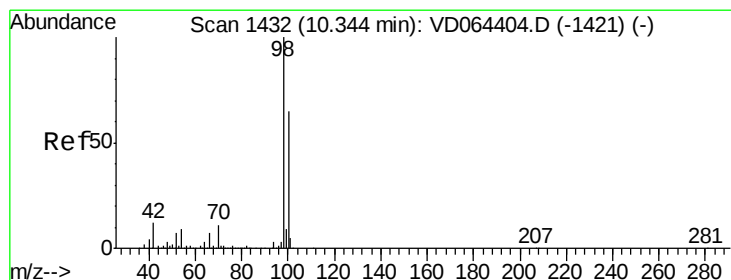
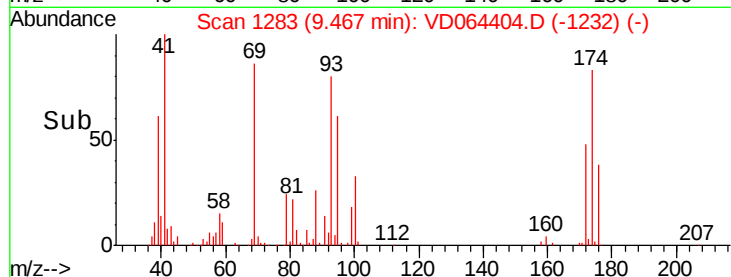
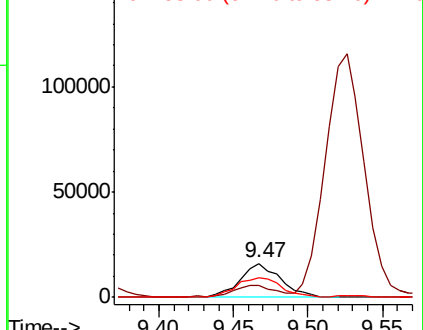
88 100

43 33.4 26.7 40.1

58 65.4 52.3 78.5



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: 53.934 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.00 min

Lab File: VD064404.D

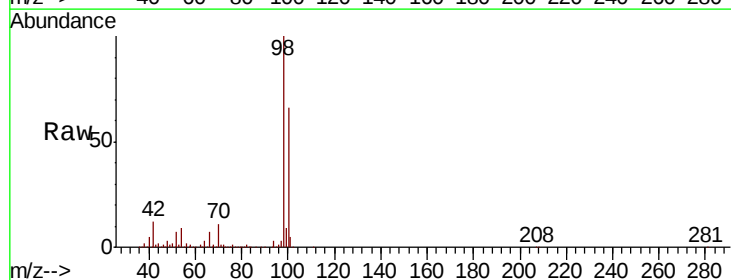
Acq: 27 Nov 2019 19:18

Tgt Ion: 98 Resp: 836605

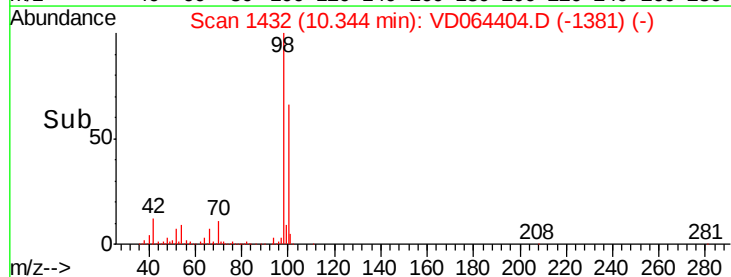
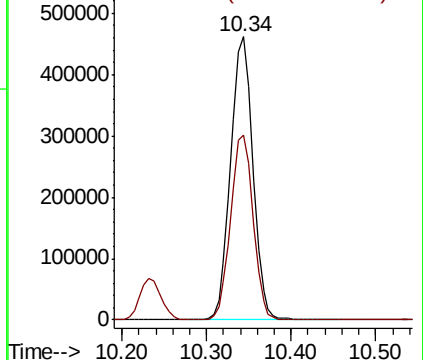
Ion Ratio Lower Upper

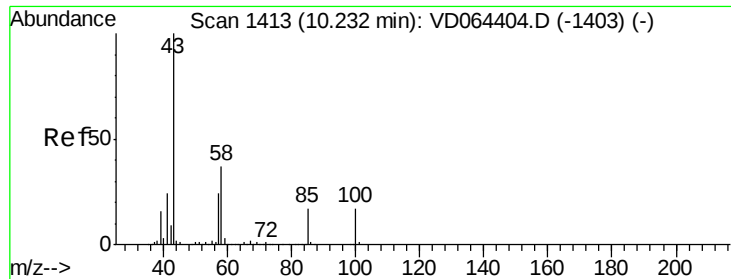
98 100

100 65.8 52.6 79.0



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: 257.461 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. 0.00 min

Lab File: VD064404.D

Acq: 27 Nov 2019 19:18

Instrument :

MSVOA_D

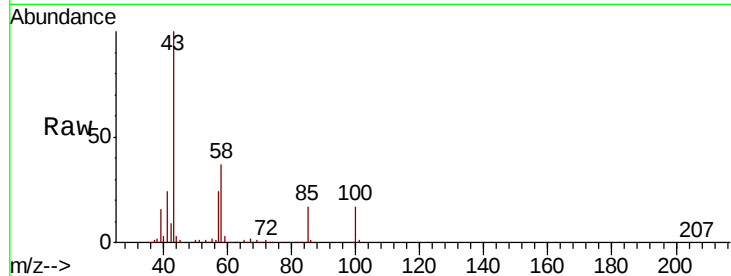
ClientSampleId :

Tot Ion: 43 Resp: 713284

Ion Ratio Lower Upper

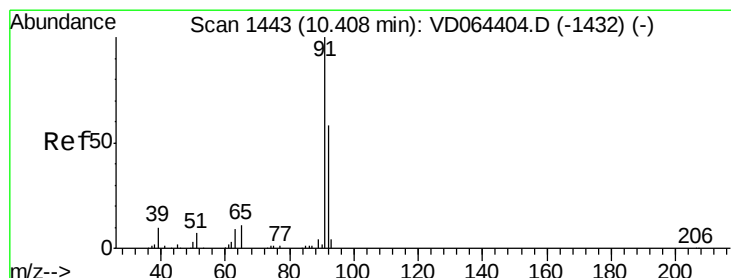
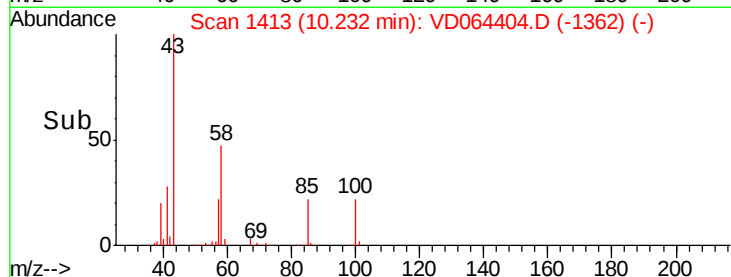
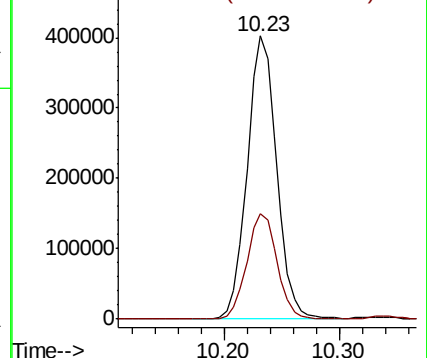
43 100

58 38.3 30.6 46.0



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#52

Toluene

Concen: 51.581 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. 0.00 min

Lab File: VD064404.D

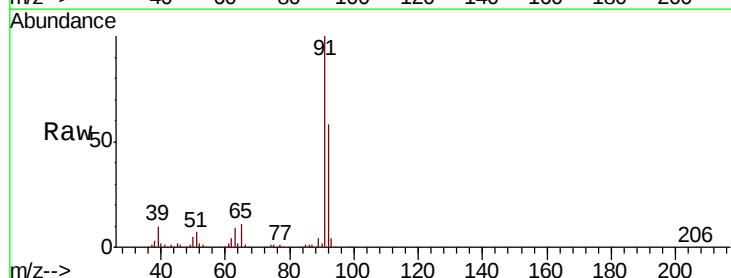
Acq: 27 Nov 2019 19:18

Tgt Ion: 92 Resp: 615030

Ion Ratio Lower Upper

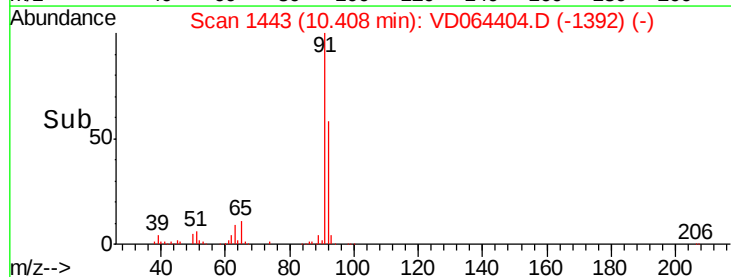
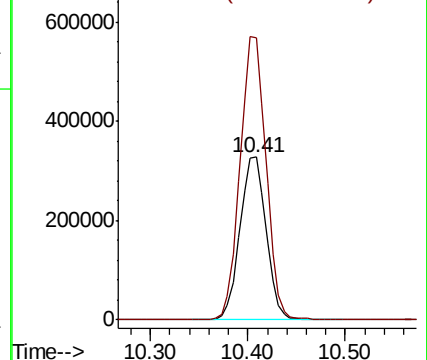
92 100

91 172.2 137.8 206.6



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

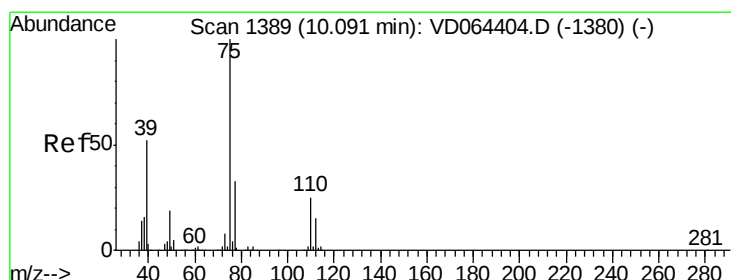
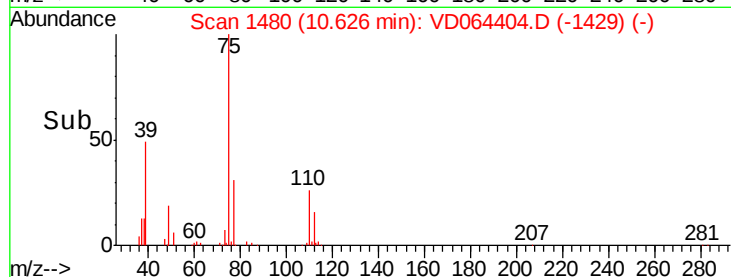
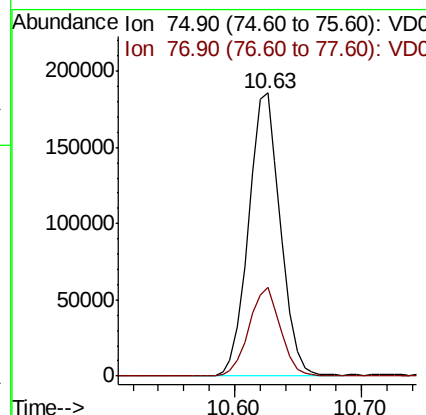
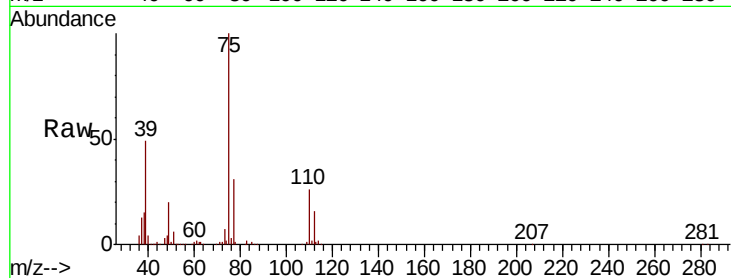




#53
 t-1,3-Dichloropropene
 Concen: 50.968 ug/l
 RT: 10.63 min Scan# 1480
 Delta R.T. 0.00 min
 Lab File: VD064404.D
 Acq: 27 Nov 2019 19:18

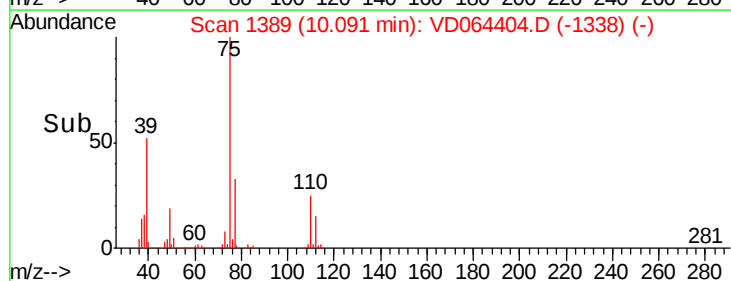
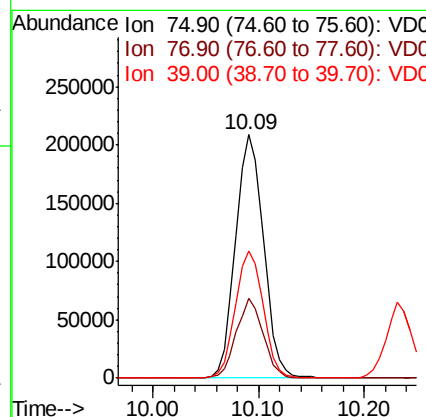
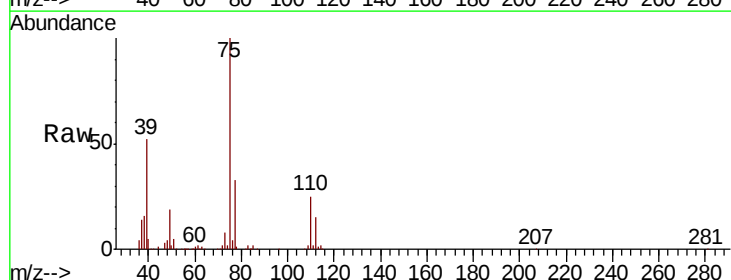
Instrument :
 MSVOA_D
 ClientSampleId :

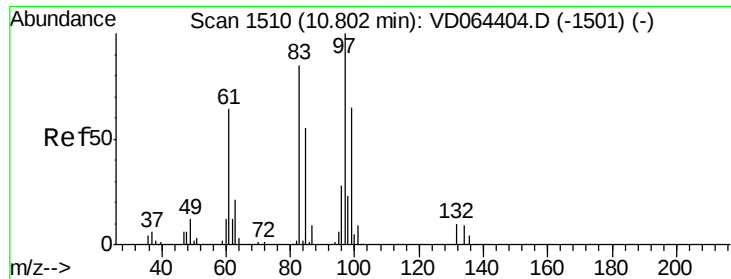
Tot Ion: 75 Resp: 324069
 Ion Ratio Lower Upper
 75 100
 77 31.2 25.0 37.4



#54
 cis-1,3-Dichloropropene
 Concen: 51.475 ug/l
 RT: 10.09 min Scan# 1389
 Delta R.T. 0.00 min
 Lab File: VD064404.D
 Acq: 27 Nov 2019 19:18

Tgt Ion: 75 Resp: 382646
 Ion Ratio Lower Upper
 75 100
 77 32.6 26.1 39.1
 39 51.9 41.5 62.3

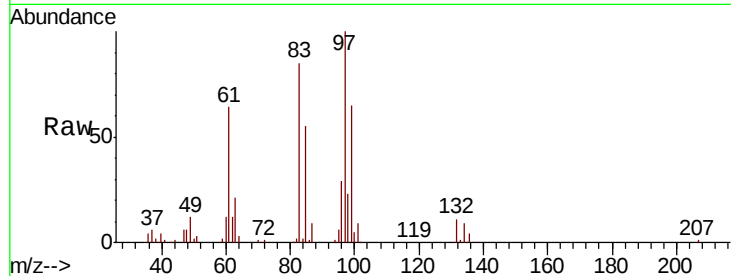




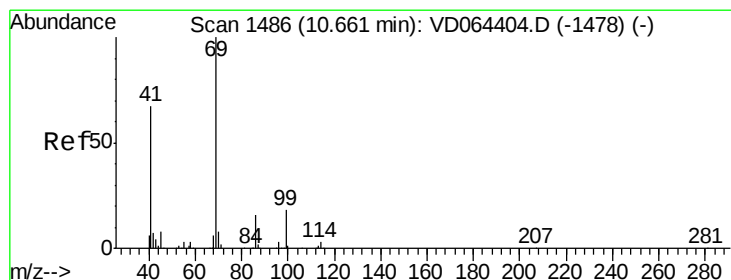
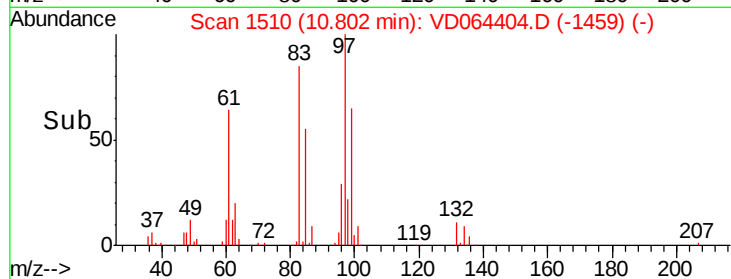
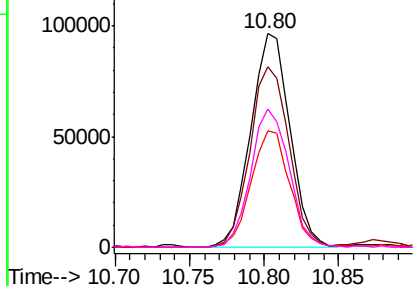
#55
 1,1,2-Trichloroethane
 Concen: 53.895 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. 0.00 min
 Lab File: VD064404.D
 Acq: 27 Nov 2019 19:18

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	97	Resp	174434
Ion	Ratio	Lower	Upper
97	100		
83	84.8	67.8	101.8
85	54.6	43.7	65.5
99	64.6	51.7	77.5

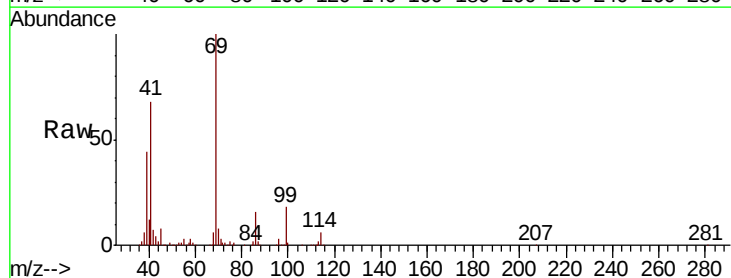


Abundance Ion 96.90 (96.60 to 97.60): VDC
 150000 Ion 82.90 (82.60 to 83.60): VDC
 Ion 84.90 (84.60 to 85.60): VDC
 Ion 98.90 (98.60 to 99.60): VDC

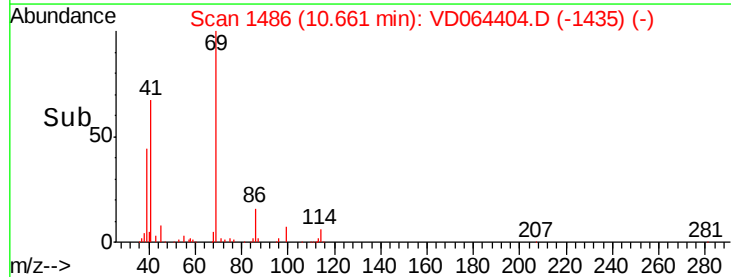
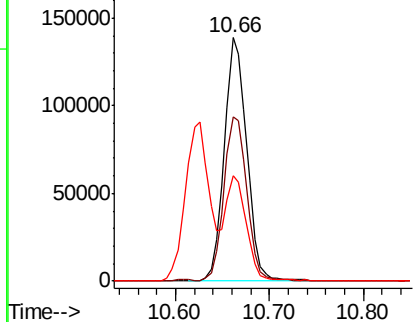


#56
 Ethyl methacrylate
 Concen: 51.432 ug/l
 RT: 10.66 min Scan# 1486
 Delta R.T. 0.00 min
 Lab File: VD064404.D
 Acq: 27 Nov 2019 19:18

Tgt Ion	69	Resp	230528
Ion	Ratio	Lower	Upper
69	100		
41	68.7	55.0	82.4
39	41.3	33.0	49.6



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

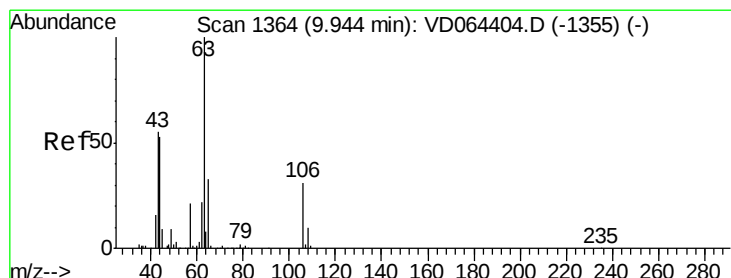
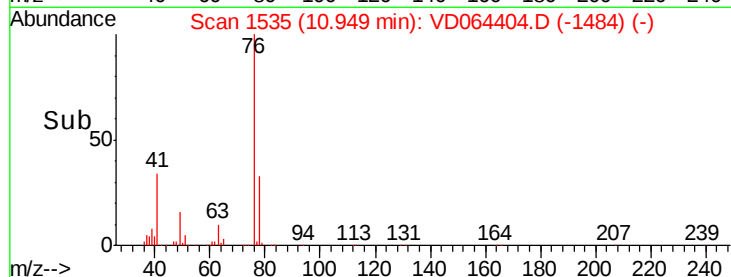
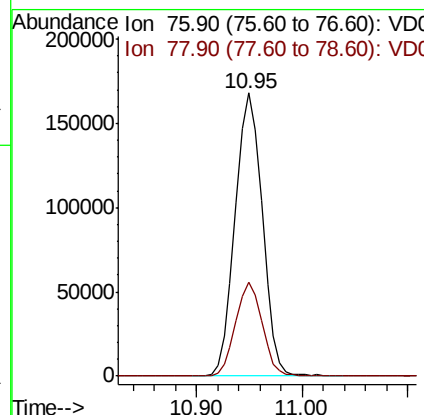
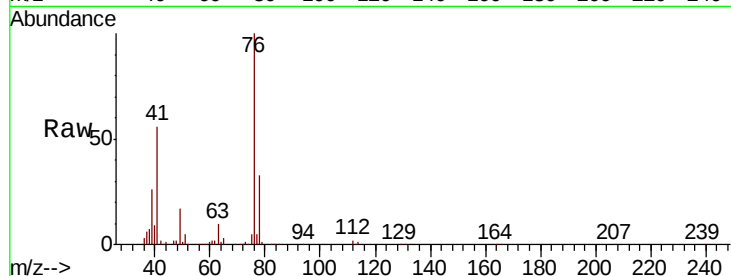




#57
 1,3-Dichloropropane
 Concen: 53.203 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. 0.00 min
 Lab File: VD064404.D
 Acq: 27 Nov 2019 19:18

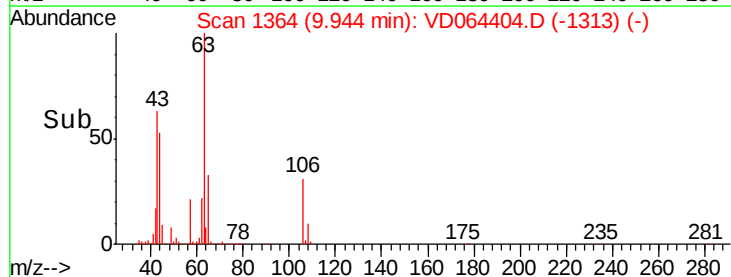
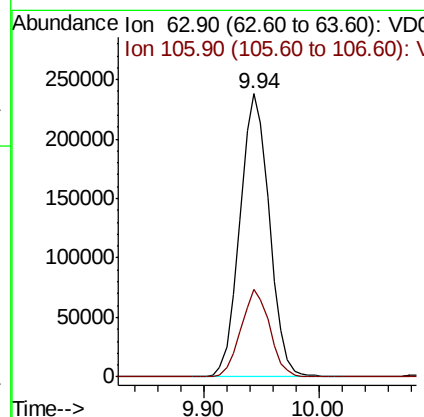
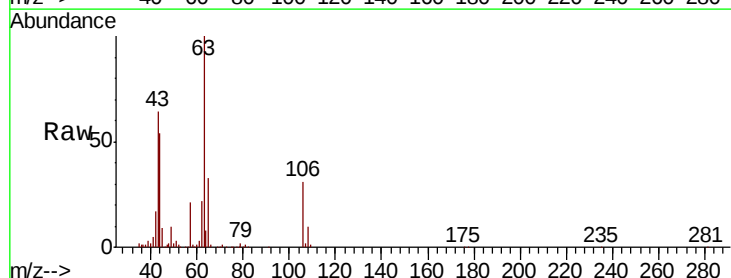
Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion: 76 Resp: 299538
 Ion Ratio Lower Upper
 76 100
 78 32.5 26.0 39.0



#58
 2-Chloroethyl Vinyl ether
 Concen: 235.835 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. 0.00 min
 Lab File: VD064404.D
 Acq: 27 Nov 2019 19:18

Tgt Ion: 63 Resp: 421157
 Ion Ratio Lower Upper
 63 100
 106 30.3 24.2 36.4

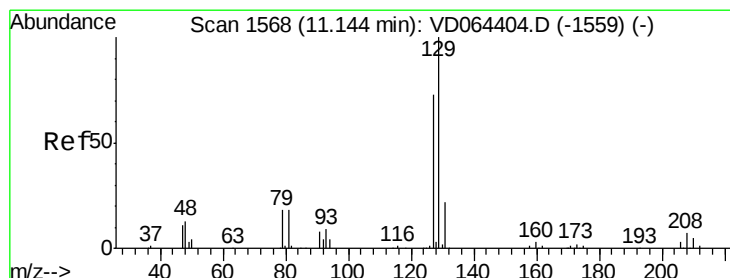
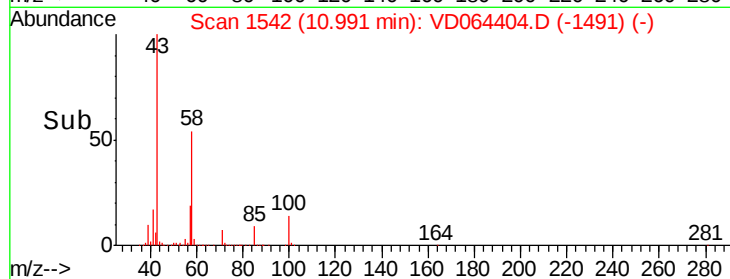
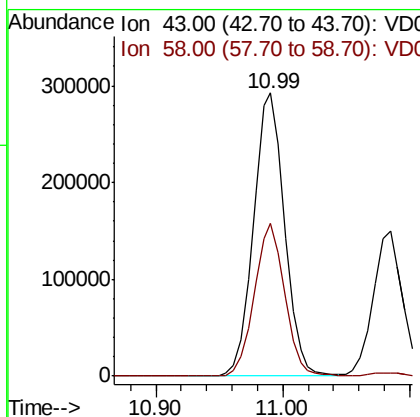
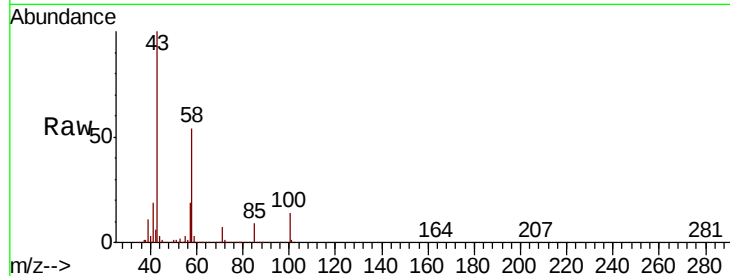




#59
2-Hexanone
Concen: 255.044 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD064404.D
Acq: 27 Nov 2019 19:18

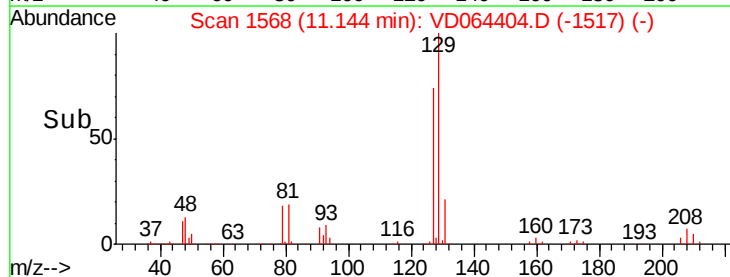
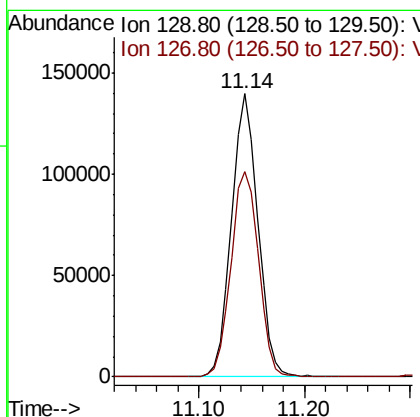
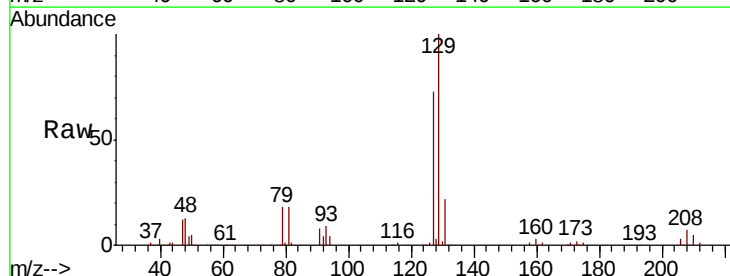
Instrument :
MSVOA_D
ClientSampleId :

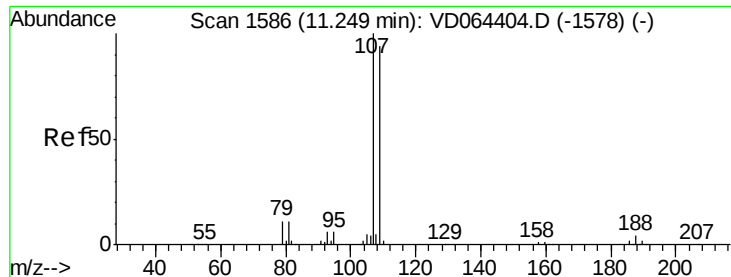
Tot Ion: 43 Resp: 499637
Ion Ratio Lower Upper
43 100
58 52.5 26.3 78.8



#60
Dibromochloromethane
Concen: 53.256 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD064404.D
Acq: 27 Nov 2019 19:18

Tgt Ion: 129 Resp: 240292
Ion Ratio Lower Upper
129 100
127 76.2 38.1 114.3

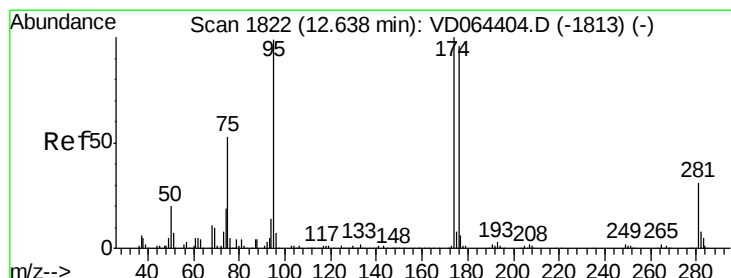
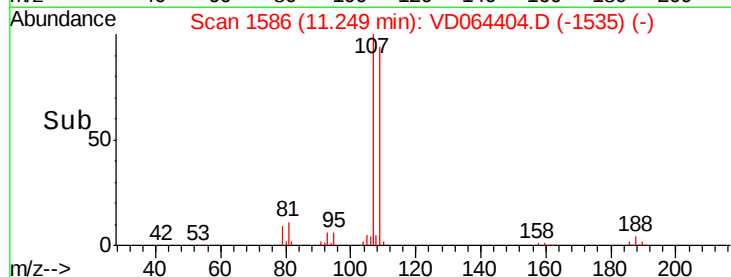
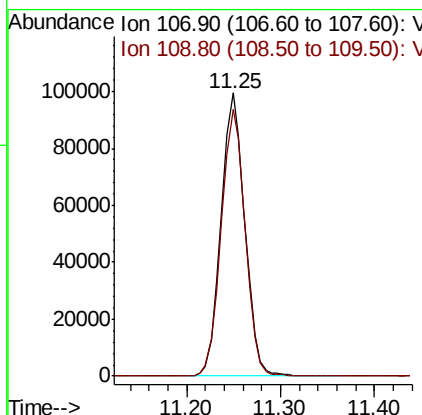
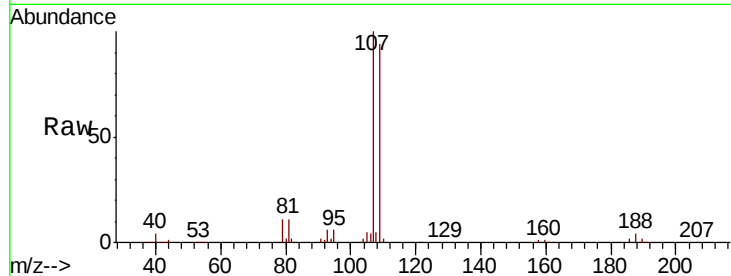




#61
 1,2-Dibromoethane
 Concen: 53.952 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD064404.D
 Acq: 27 Nov 2019 19:18

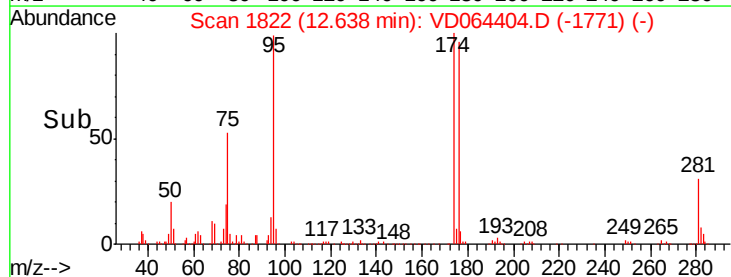
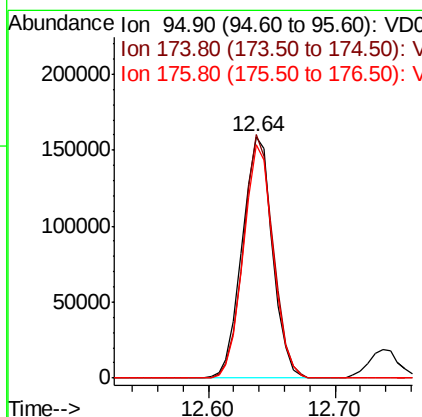
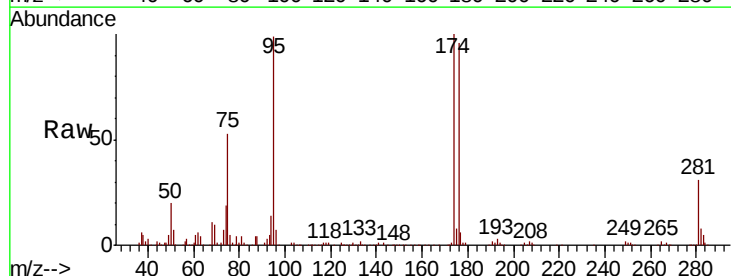
Instrument :
 MSVOA_D
 ClientSampled :

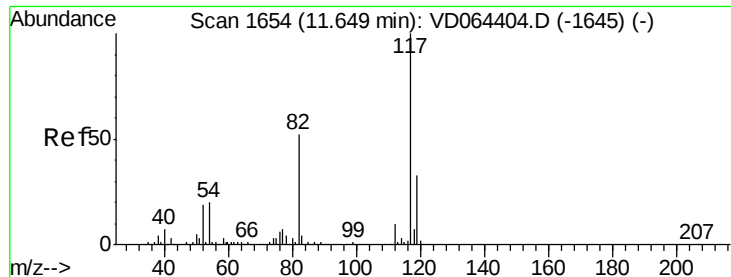
Tot Ion:107 Resp: 174970
 Ion Ratio Lower Upper
 107 100
 109 95.2 76.2 114.2



#62
 4-Bromofluorobenzene
 Concen: 49.810 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD064404.D
 Acq: 27 Nov 2019 19:18

Tgt Ion: 95 Resp: 264755
 Ion Ratio Lower Upper
 95 100
 174 98.6 0.0 197.2
 176 94.8 0.0 189.6

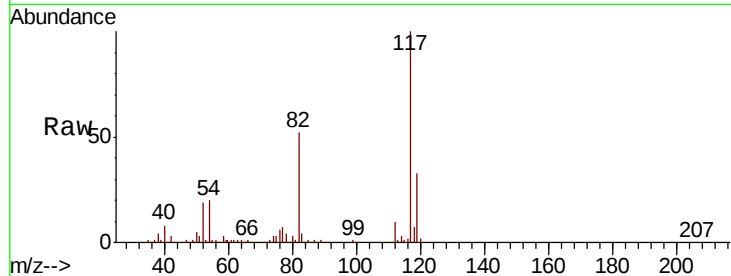




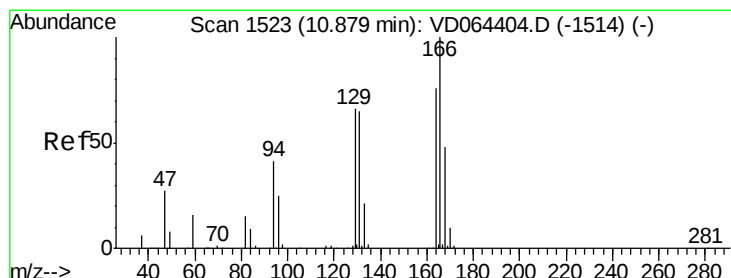
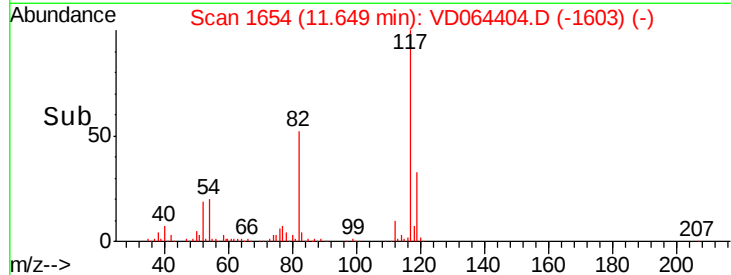
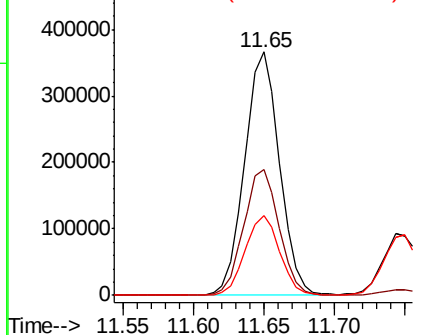
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD064404.D
Acq: 27 Nov 2019 19:18

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:117 Resp: 634336
Ion Ratio Lower Upper
117 100
82 51.8 41.4 62.2
119 32.7 26.2 39.2

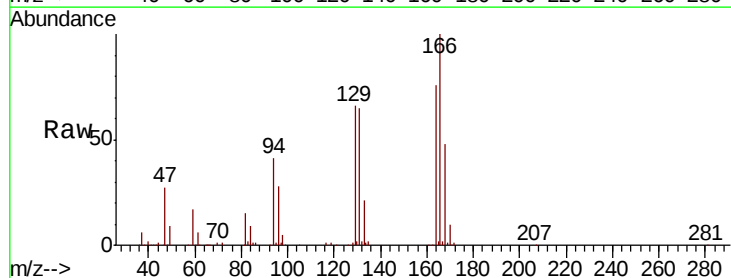


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VD
Ion 118.90 (118.60 to 119.60): V

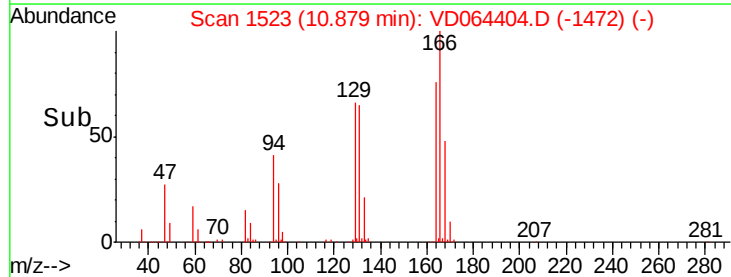
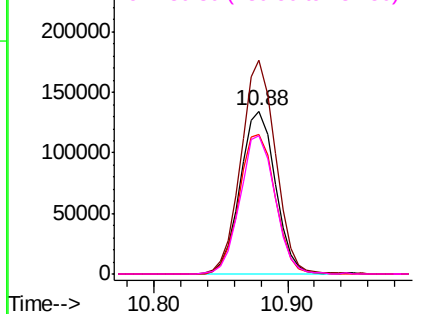


#64
Tetrachloroethene
Concen: 50.642 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD064404.D
Acq: 27 Nov 2019 19:18

Tgt Ion:164 Resp: 245212
Ion Ratio Lower Upper
164 100
166 131.0 104.8 157.2
129 85.9 68.7 103.1
131 84.9 67.9 101.9



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

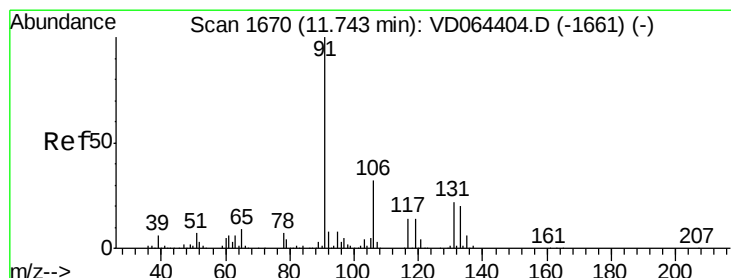
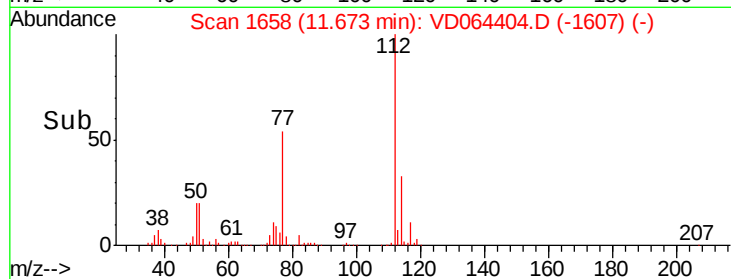
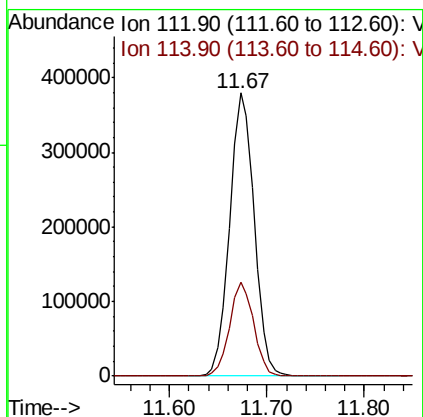
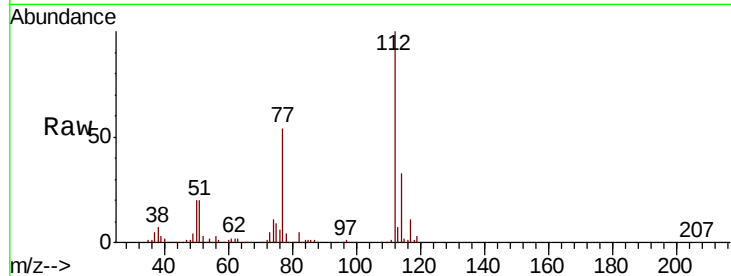




#65
Chlorobenzene
Concen: 51.378 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD064404.D
Acq: 27 Nov 2019 19:18

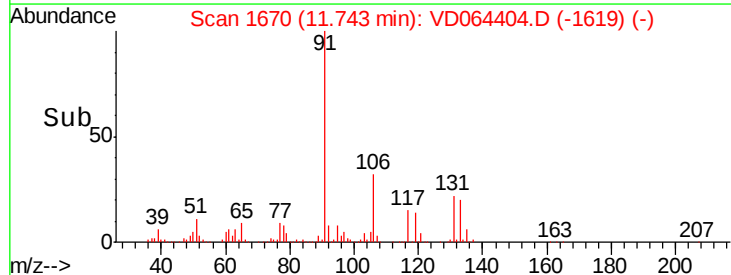
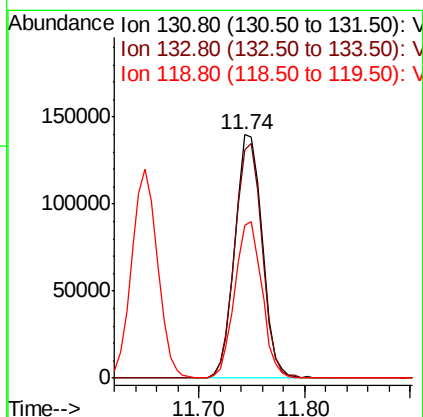
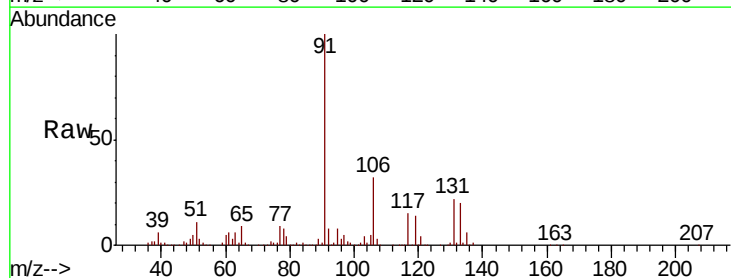
Instrument :
MSVOA_D
ClientSampleId :

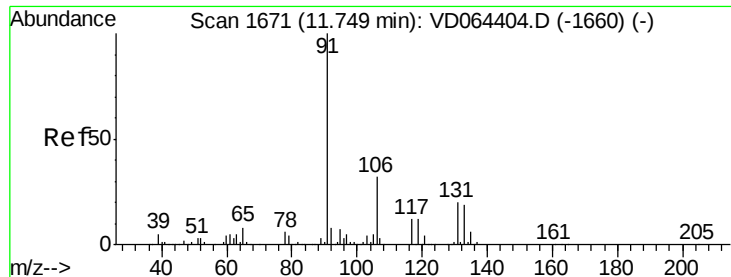
Tot Ion:112 Resp: 661512
Ion Ratio Lower Upper
112 100
114 33.1 26.5 39.7



#66
1,1,1,2-Tetrachloroethane
Concen: 51.179 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VD064404.D
Acq: 27 Nov 2019 19:18

Tgt Ion:131 Resp: 250334
Ion Ratio Lower Upper
131 100
133 96.6 48.3 144.9
119 63.9 31.9 95.9





#67

Ethyl Benzene

Concen: 50.898 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD064404.D

Acq: 27 Nov 2019 19:18

Instrument :

MSVOA_D

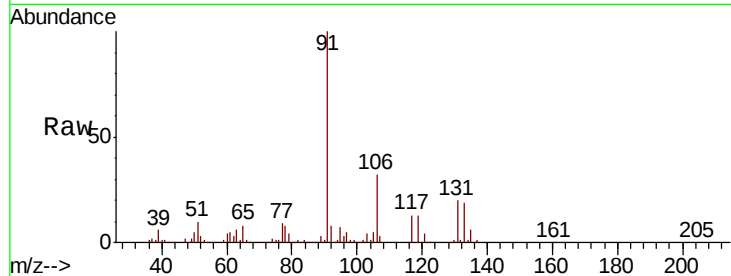
ClientSampleId :

Tot Ion: 91 Resp: 1182741

Ion Ratio Lower Upper

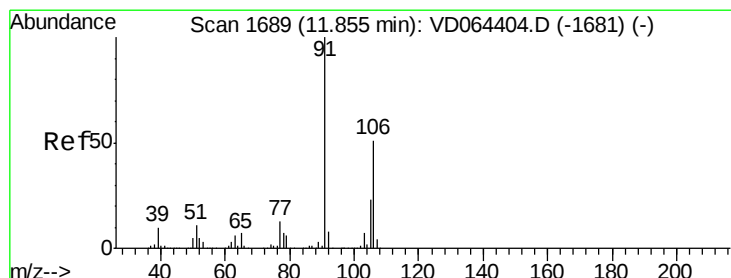
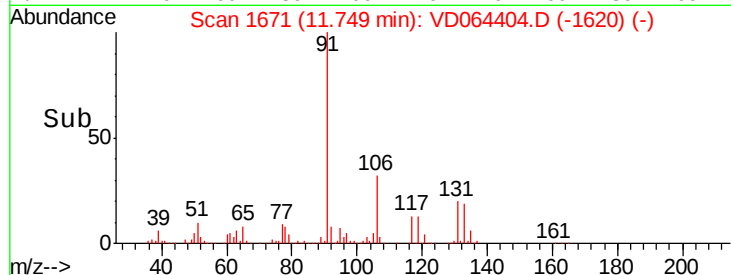
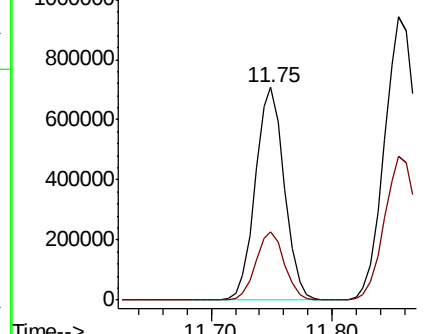
91 100

106 32.3 25.8 38.8



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 106.00 (105.70 to 106.70): VDC



#68

m/p-Xylenes

Concen: 102.400 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. 0.00 min

Lab File: VD064404.D

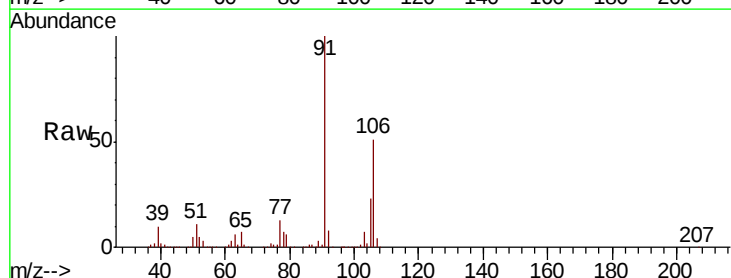
Acq: 27 Nov 2019 19:18

Tgt Ion: 106 Resp: 911493

Ion Ratio Lower Upper

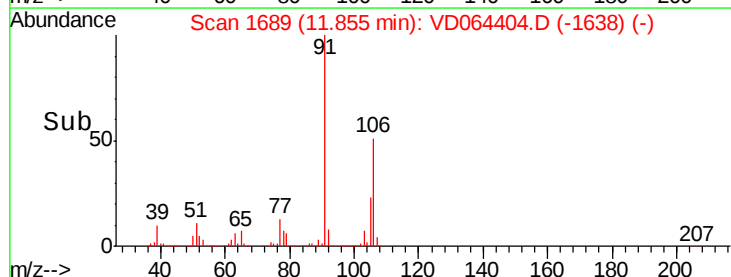
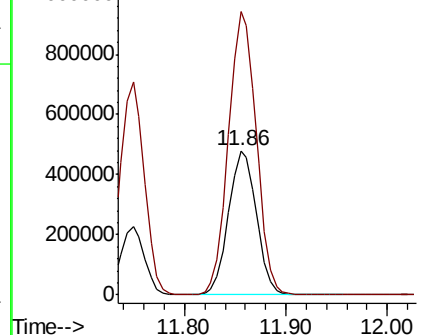
106 100

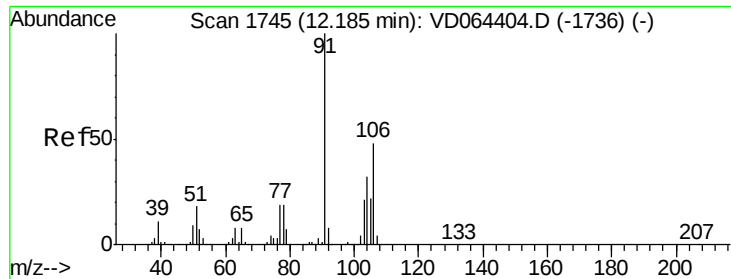
91 196.8 157.4 236.2



Abundance Ion 106.00 (105.70 to 106.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

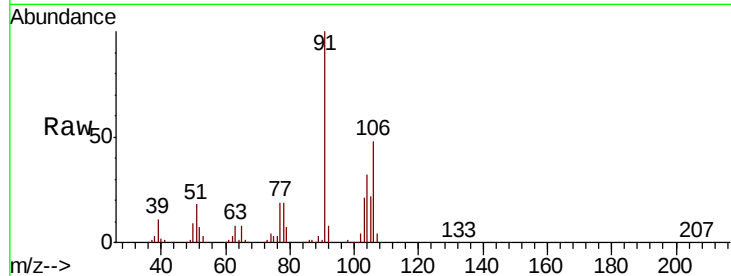




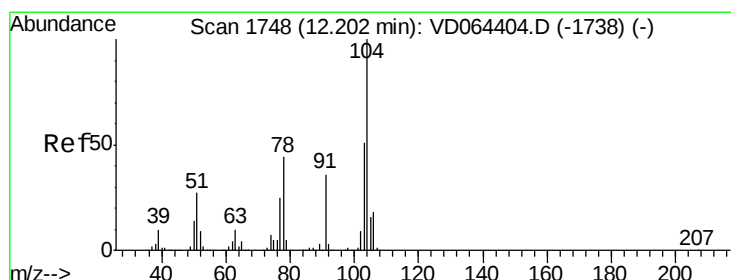
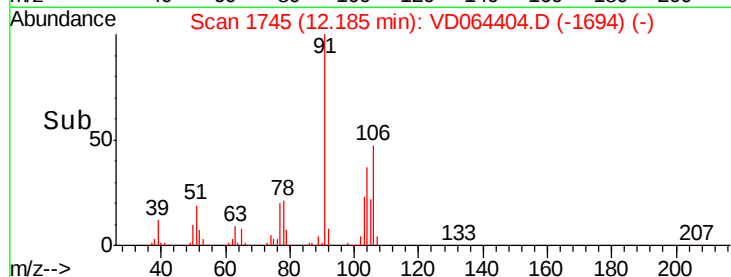
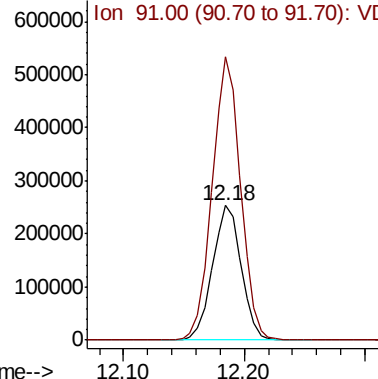
#69
o-Xylene
Concen: 50.995 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD064404.D
Acq: 27 Nov 2019 19:18

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:106 Resp: 421003
Ion Ratio Lower Upper
106 100
91 207.6 103.8 311.4

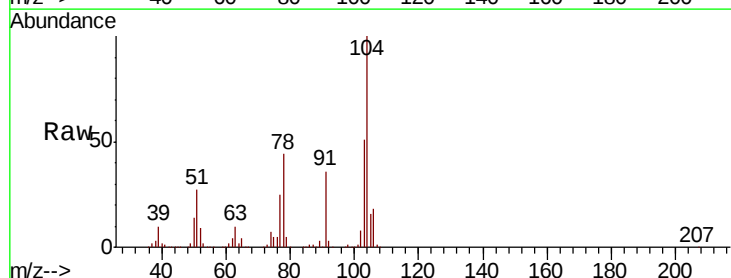


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): V

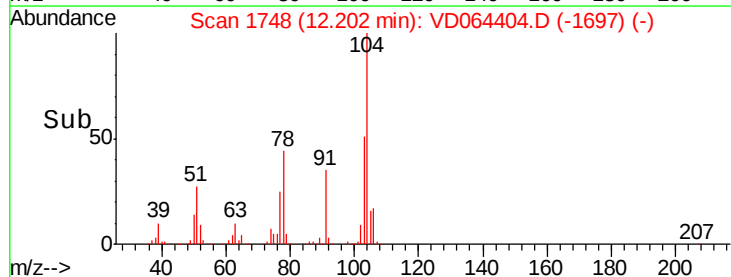
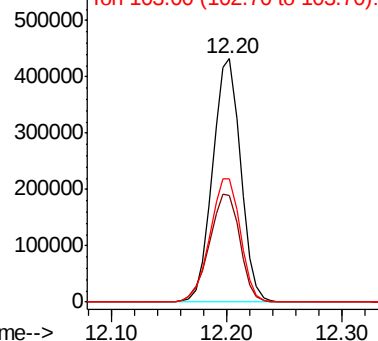


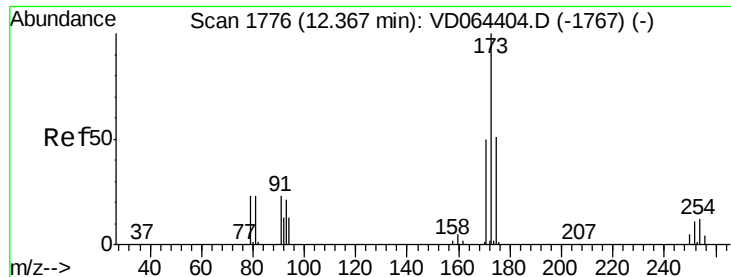
#70
Styrene
Concen: 50.696 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. 0.00 min
Lab File: VD064404.D
Acq: 27 Nov 2019 19:18

Tgt Ion:104 Resp: 729429
Ion Ratio Lower Upper
104 100
78 48.5 38.8 58.2
103 55.3 44.2 66.4



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: 52.291 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. 0.00 min

Lab File: VD064404.D

Acq: 27 Nov 2019 19:18

Instrument :

MSVOA_D

ClientSampled :

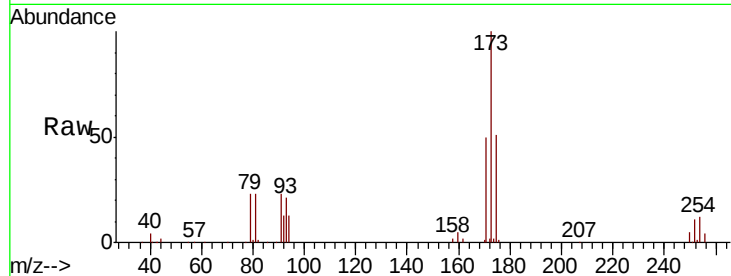
Tot Ion:173 Resp: 146002

Ion Ratio Lower Upper

173 100

175 50.5 25.3 75.8

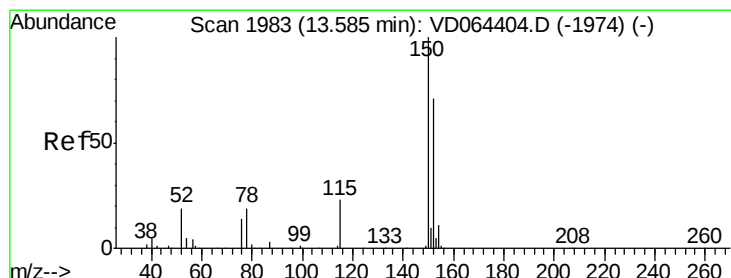
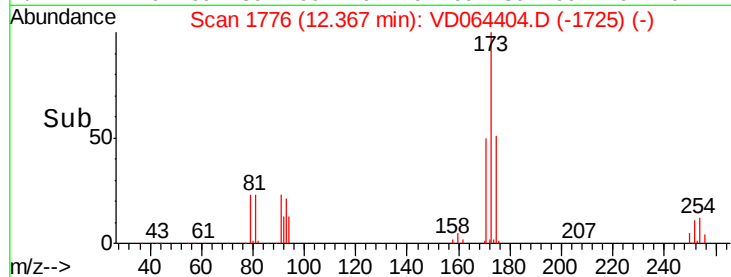
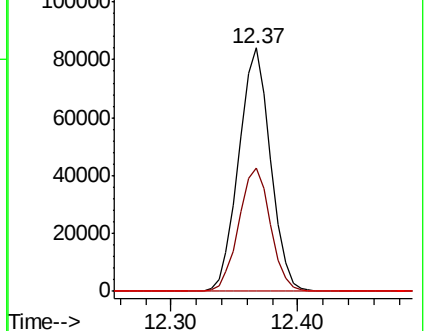
254 0.0 0.0 0.0#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1983

Delta R.T. 0.00 min

Lab File: VD064404.D

Acq: 27 Nov 2019 19:18

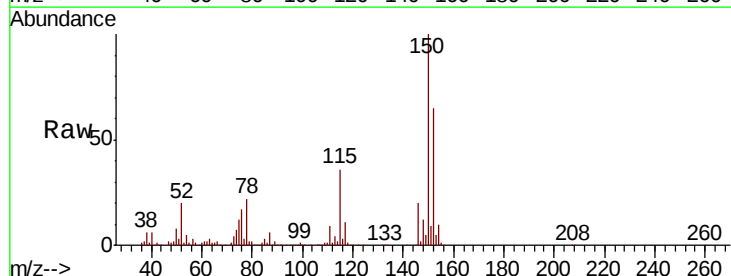
Tgt Ion:152 Resp: 310132

Ion Ratio Lower Upper

152 100

115 53.4 26.7 80.1

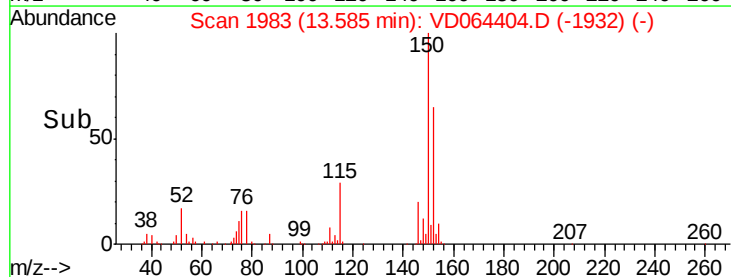
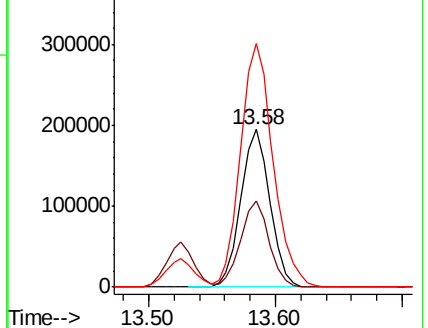
150 173.6 0.0 347.2

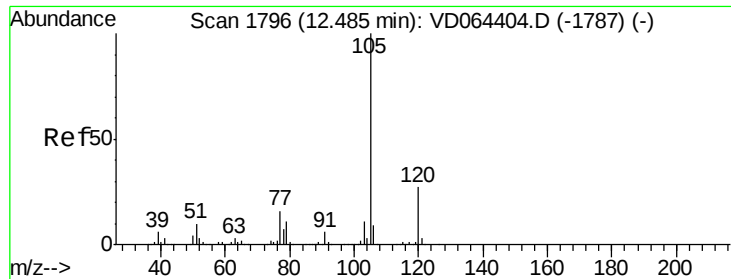


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 50.173 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD064404.D

Acq: 27 Nov 2019 19:18

Instrument :

MSVOA_D

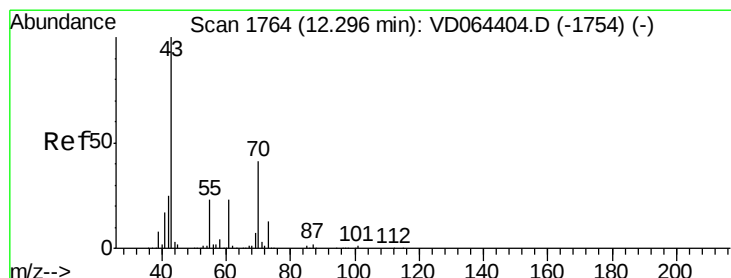
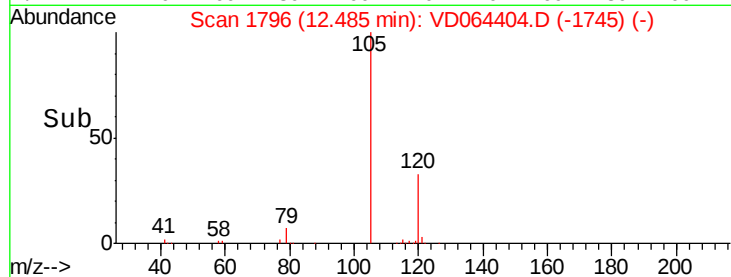
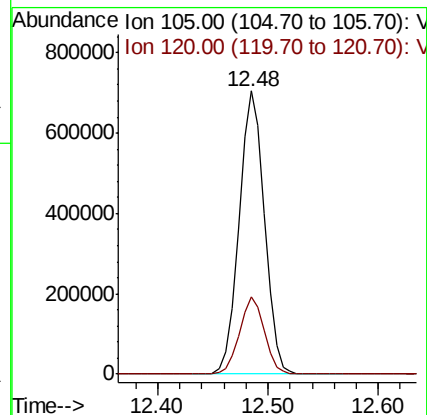
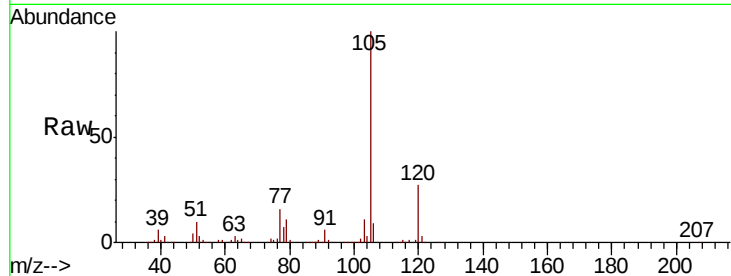
ClientSampleId :

Tot Ion:105 Resp: 1133082

Ion Ratio Lower Upper

105 100

120 26.8 13.4 40.2



#74

N-ethyl acetate

Concen: 49.468 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. 0.00 min

Lab File: VD064404.D

Acq: 27 Nov 2019 19:18

Tgt Ion: 43 Resp: 264031

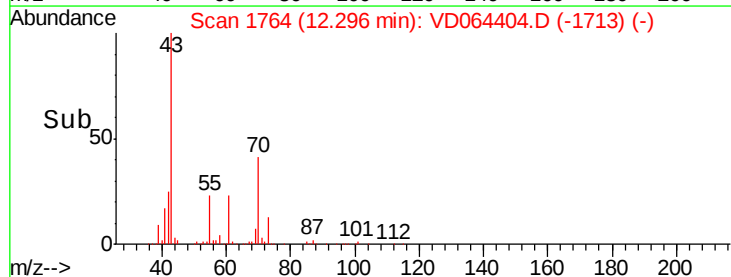
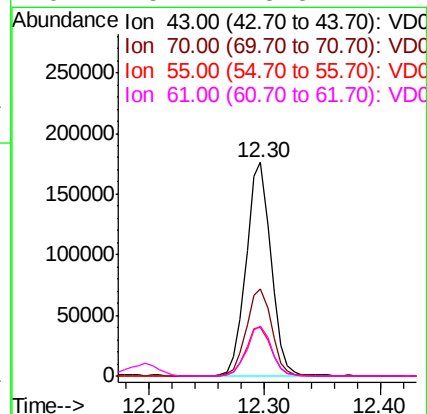
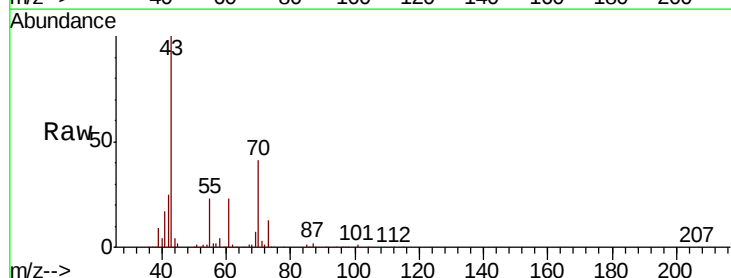
Ion Ratio Lower Upper

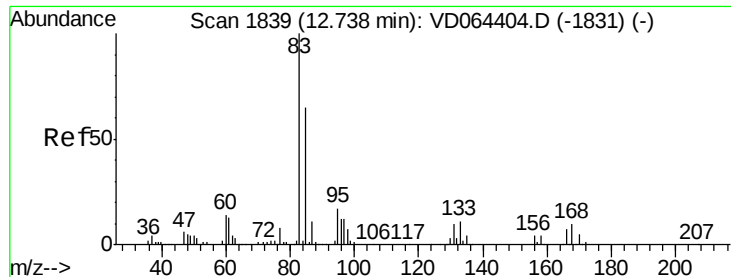
43 100

70 41.8 33.4 50.2

55 23.6 18.9 28.3

61 23.1 18.5 27.7





#75

1,1,2,2-Tetrachloroethane

Concen: 54.310 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD064404.D

Acq: 27 Nov 2019 19:18

Instrument :

MSVOA_D

ClientSampleId :

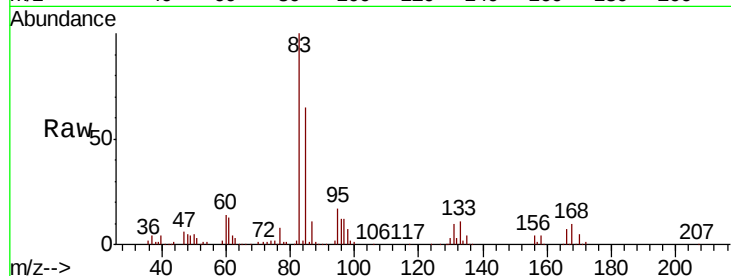
Tot Ion: 83 Resp: 188492

Ion Ratio Lower Upper

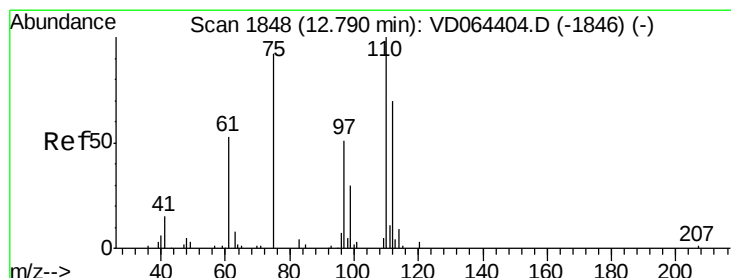
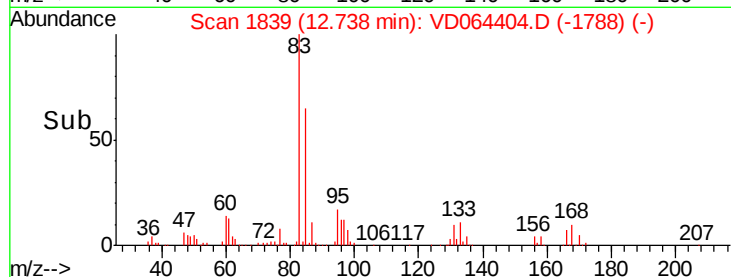
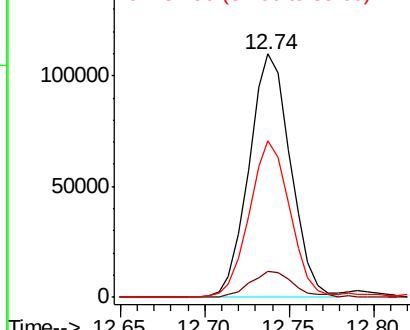
83 100

131 11.3 5.7 17.0

85 62.6 31.3 93.9



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



#76

1,2,3-Trichloropropane

Concen: 99.034 ug/l

RT: 12.79 min Scan# 1848

Delta R.T. 0.00 min

Lab File: VD064404.D

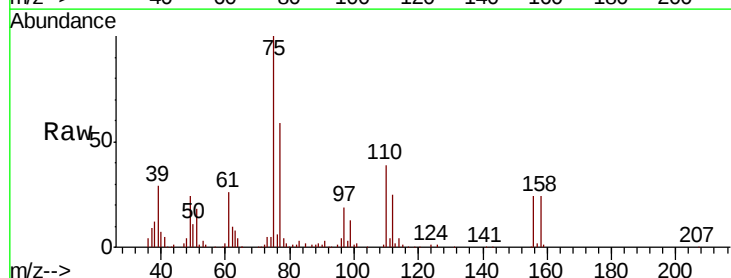
Acq: 27 Nov 2019 19:18

Tgt Ion: 75 Resp: 245138

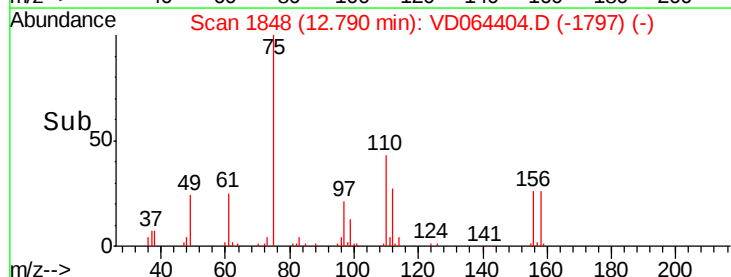
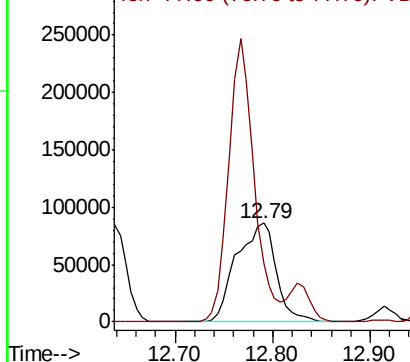
Ion Ratio Lower Upper

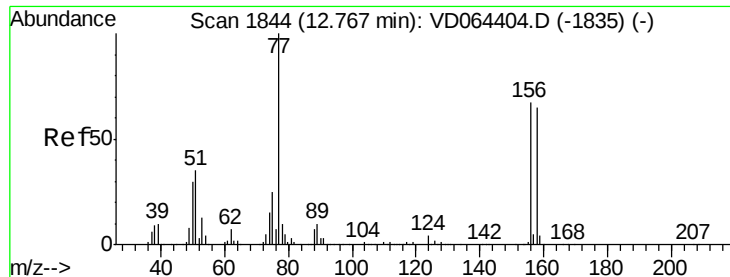
75 100

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: 51.183 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD064404.D

Acq: 27 Nov 2019 19:18

Instrument :

MSVOA_D

ClientSampleId :

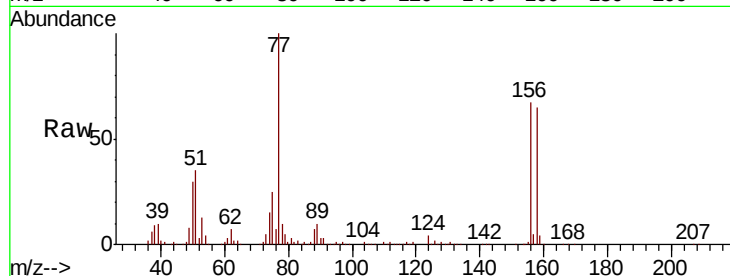
Tot Ion:156 Resp: 281860

Ion Ratio Lower Upper

156 100

77 160.1 80.0 240.2

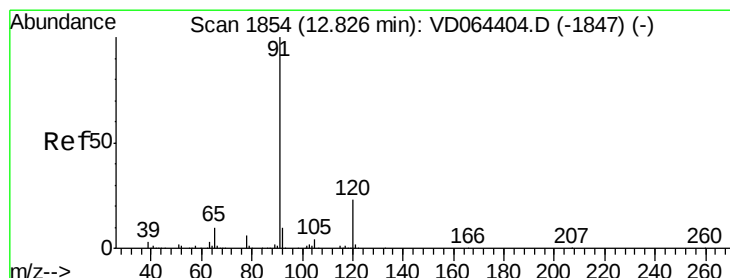
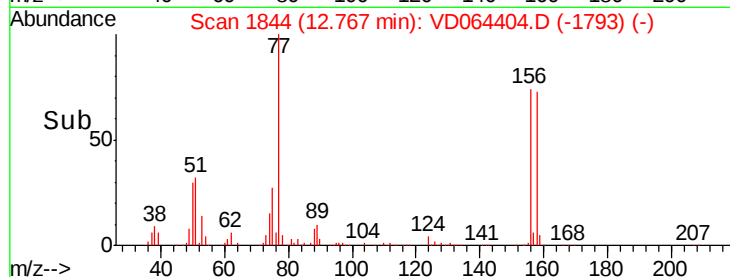
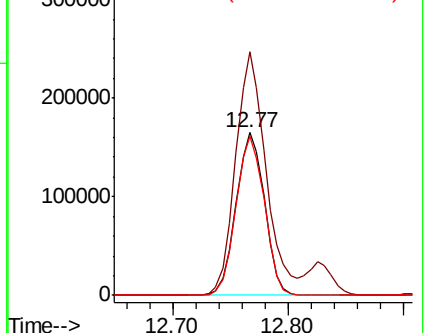
158 97.7 48.9 146.6



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: 50.598 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD064404.D

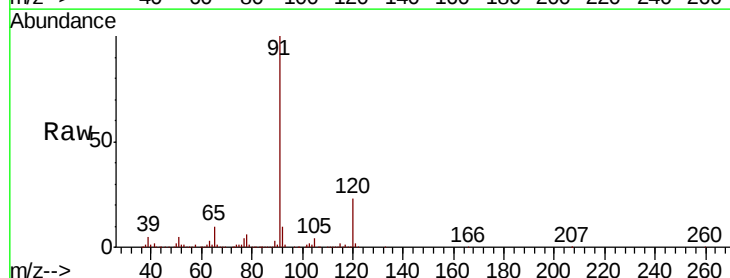
Acq: 27 Nov 2019 19:18

Tgt Ion: 91 Resp: 1305827

Ion Ratio Lower Upper

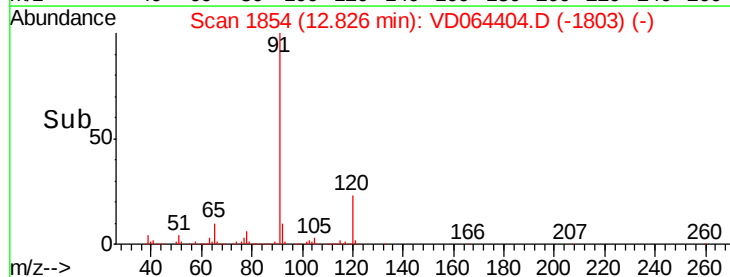
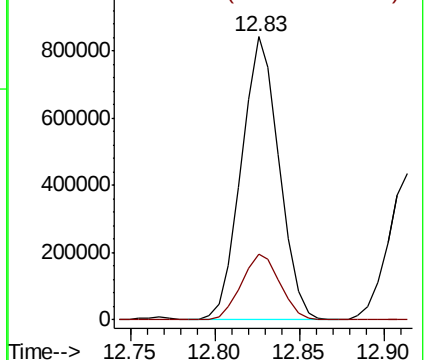
91 100

120 23.9 11.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V

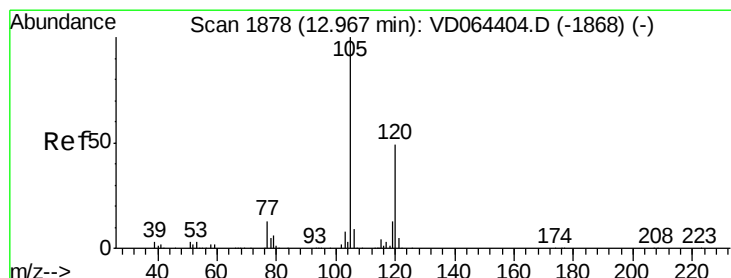
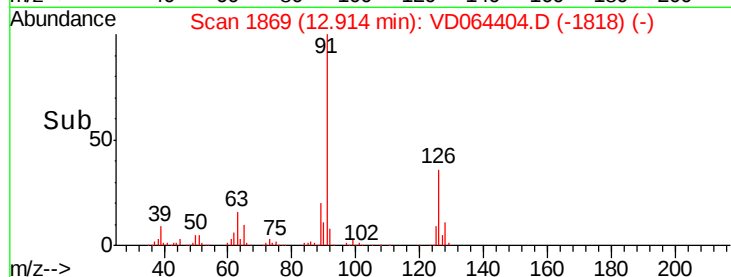
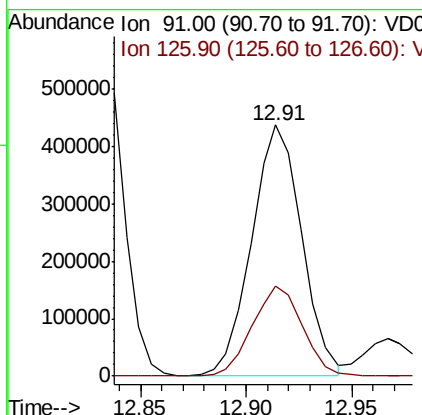
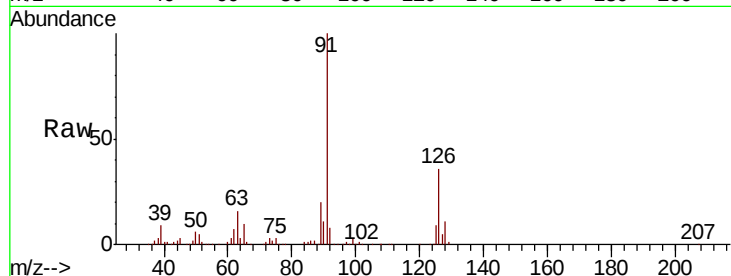




#79
 2-Chlorotoluene
 Concen: 49.462 ug/l
 RT: 12.91 min Scan# 1869
 Delta R.T. 0.00 min
 Lab File: VD064404.D
 Acq: 27 Nov 2019 19:18

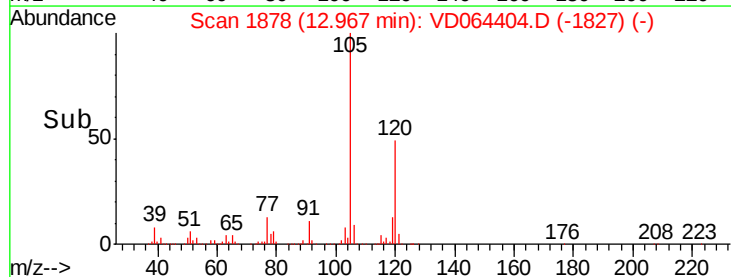
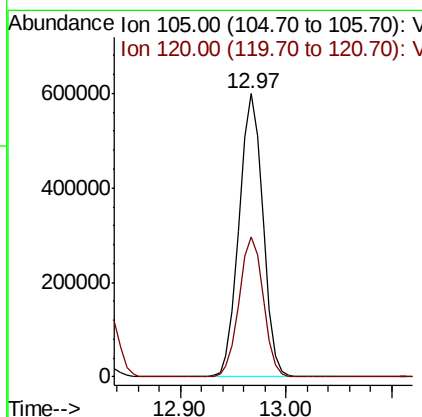
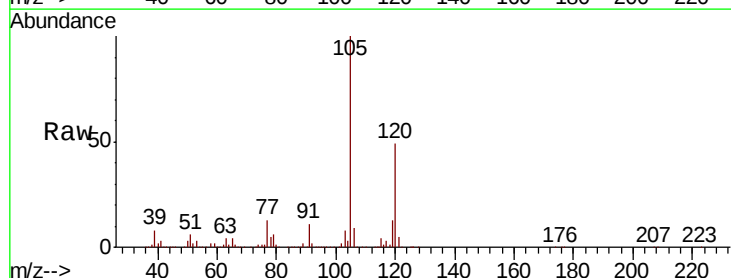
Instrument :
 MSVOA_D
 ClientSampleId :

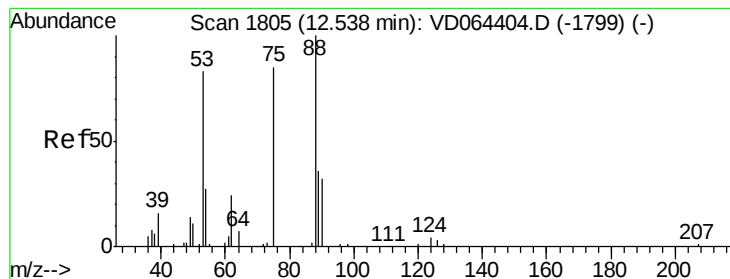
Tot Ion: 91 Resp: 718419
 Ion Ratio Lower Upper
 91 100
 126 36.0 18.0 54.0



#80
 1,3,5-Trimethylbenzene
 Concen: 50.217 ug/l
 RT: 12.97 min Scan# 1878
 Delta R.T. 0.00 min
 Lab File: VD064404.D
 Acq: 27 Nov 2019 19:18

Tgt Ion: 105 Resp: 932784
 Ion Ratio Lower Upper
 105 100
 120 50.2 25.1 75.3





#81

trans-1,4-Dichloro-2-butene

Concen: 48.470 ug/l

RT: 12.54 min Scan# 1805

Delta R.T. 0.00 min

Lab File: VD064404.D

Acq: 27 Nov 2019 19:18

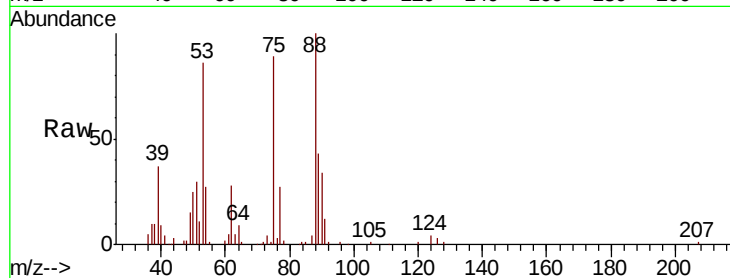
Instrument :

MSVOA_D

ClientSampled :

Tot Ion: 75 Resp: 60073

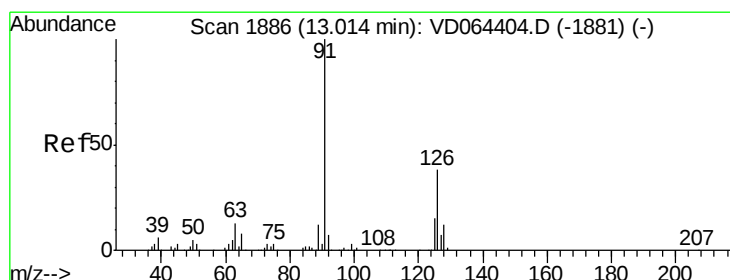
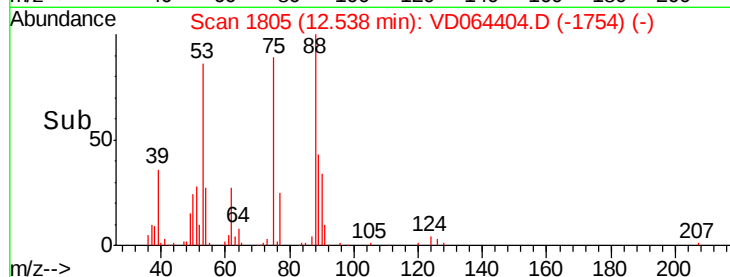
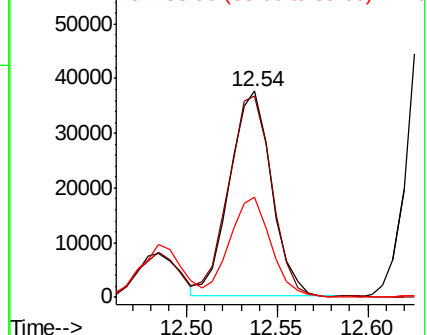
Ion	Ratio	Lower	Upper
75	100		
53	101.3	81.0	121.6
89	48.1	38.5	57.7



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 88.90 (88.60 to 89.60): VDC



#82

4-Chlorotoluene

Concen: 49.755 ug/l

RT: 13.01 min Scan# 1886

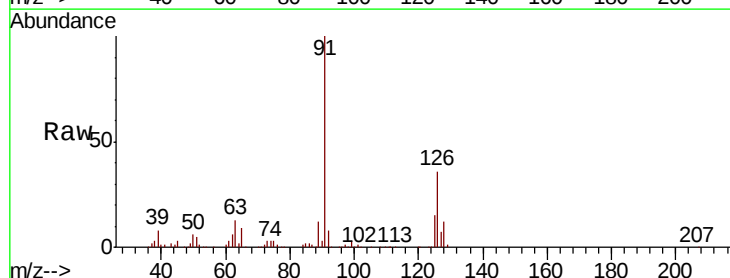
Delta R.T. 0.00 min

Lab File: VD064404.D

Acq: 27 Nov 2019 19:18

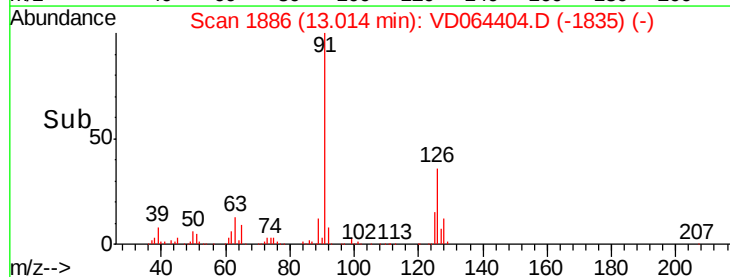
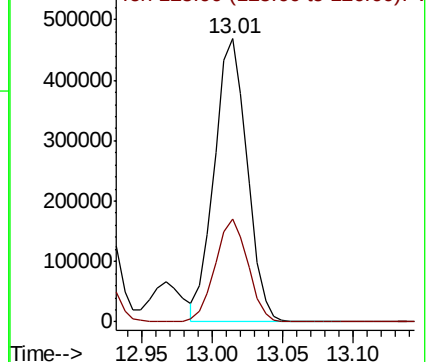
Tgt Ion: 91 Resp: 755615

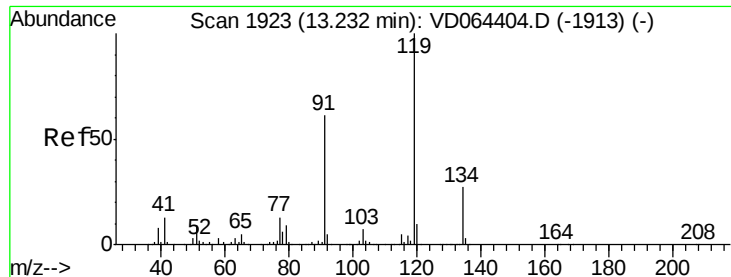
Ion	Ratio	Lower	Upper
91	100		
126	36.4	18.2	54.6



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.90 (125.60 to 126.60): V

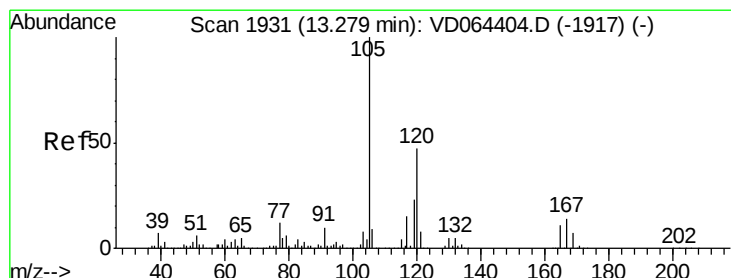
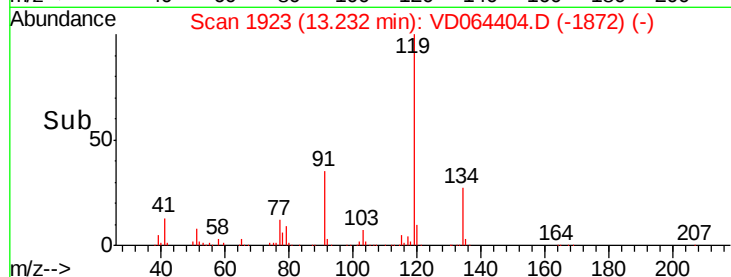
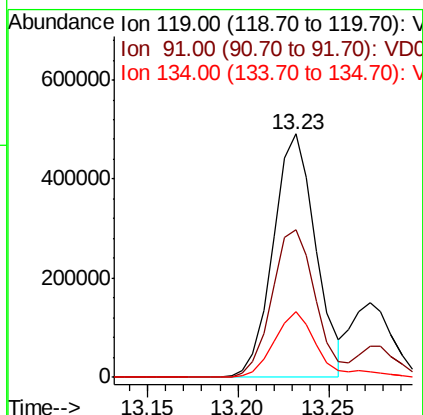
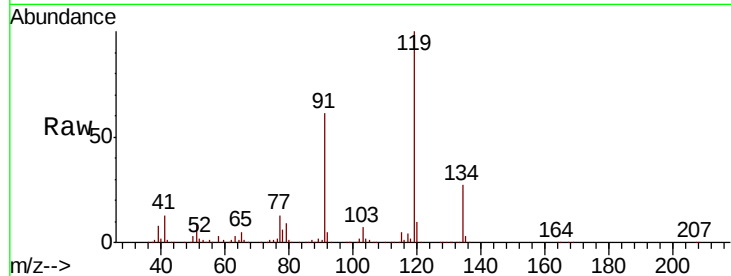




#83
tert-Butylbenzene
Concen: 49.465 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. 0.00 min
Lab File: VD064404.D
Acq: 27 Nov 2019 19:18

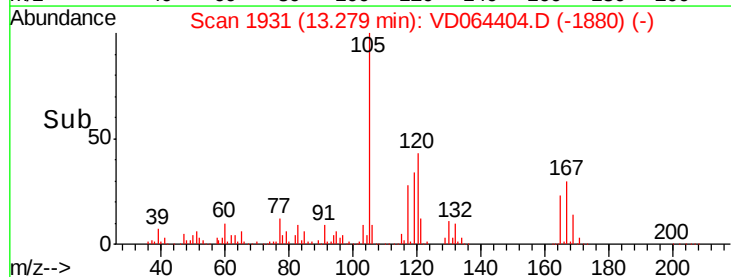
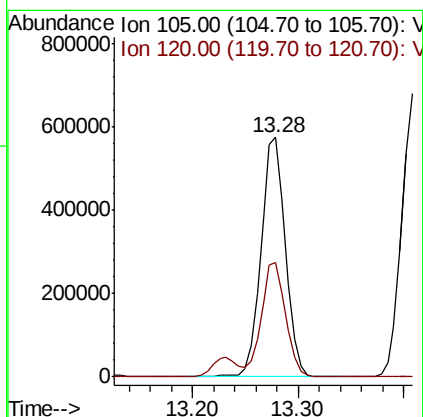
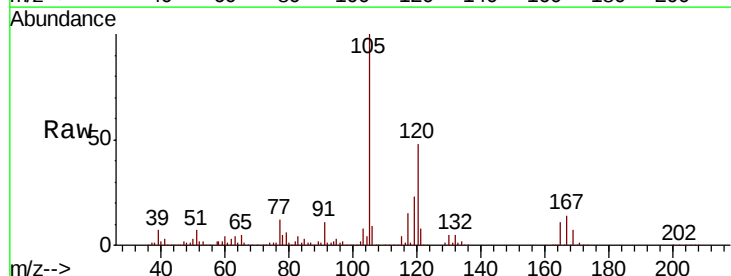
Instrument :
MSVOA_D
ClientSampleId :

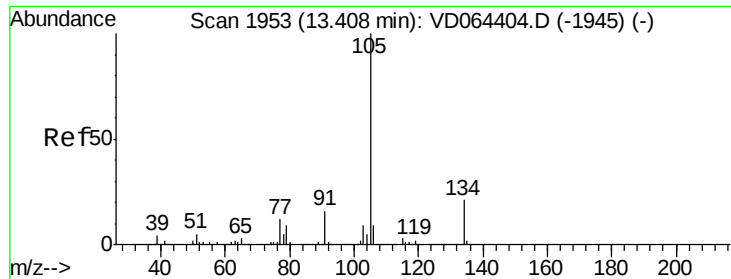
Tot Ion:119 Resp: 806233
Ion Ratio Lower Upper
119 100
91 62.4 31.2 93.6
134 27.8 13.9 41.7



#84
1,2,4-Trimethylbenzene
Concen: 50.383 ug/l
RT: 13.28 min Scan# 1931
Delta R.T. 0.00 min
Lab File: VD064404.D
Acq: 27 Nov 2019 19:18

Tgt Ion:105 Resp: 923939
Ion Ratio Lower Upper
105 100
120 47.2 23.6 70.8





#85

sec-Butylbenzene

Concen: 50.575 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.00 min

Lab File: VD064404.D

Acq: 27 Nov 2019 19:18

Instrument :

MSVOA_D

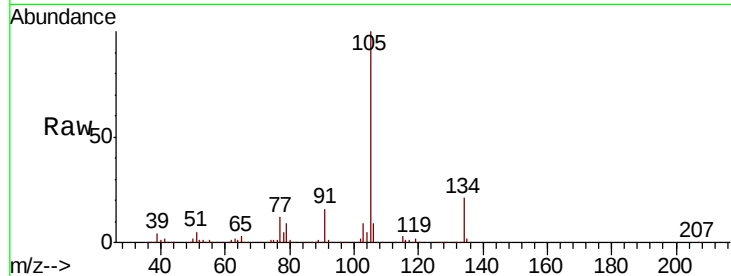
ClientSampleId :

Tot Ion:105 Resp: 1111615

Ion Ratio Lower Upper

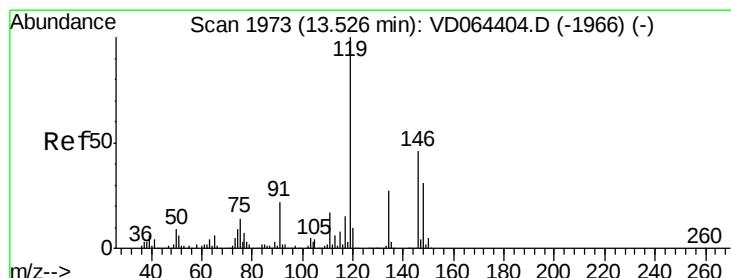
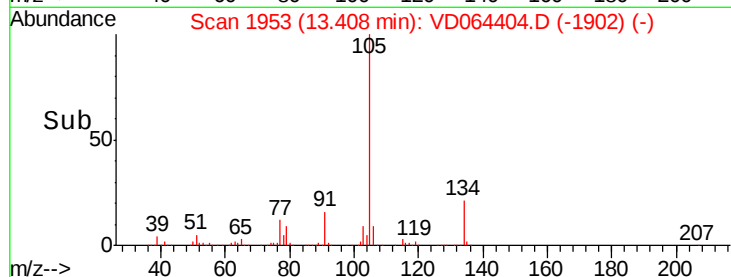
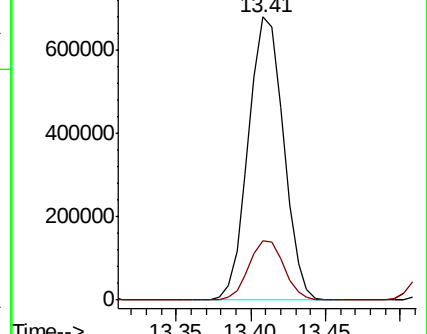
105 100

134 21.0 10.5 31.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 50.000 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VD064404.D

Acq: 27 Nov 2019 19:18

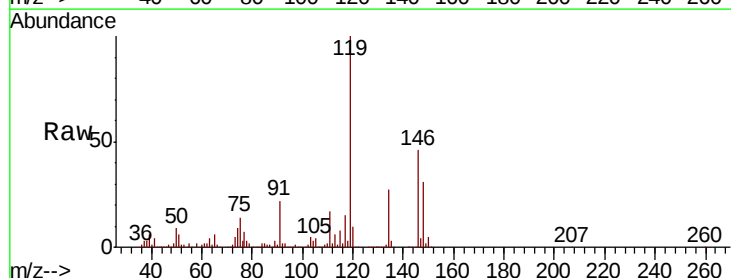
Tgt Ion:119 Resp: 1043972

Ion Ratio Lower Upper

119 100

134 26.9 13.5 40.4

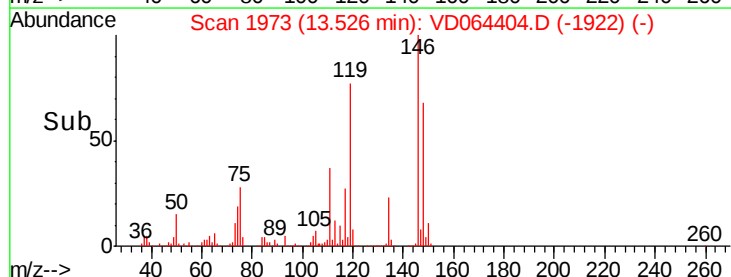
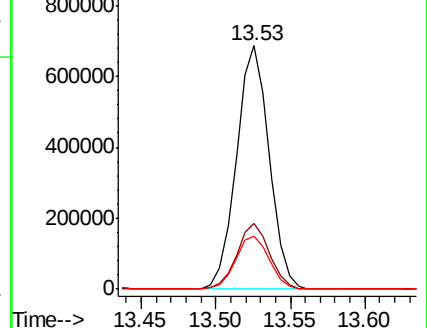
91 22.3 11.2 33.5

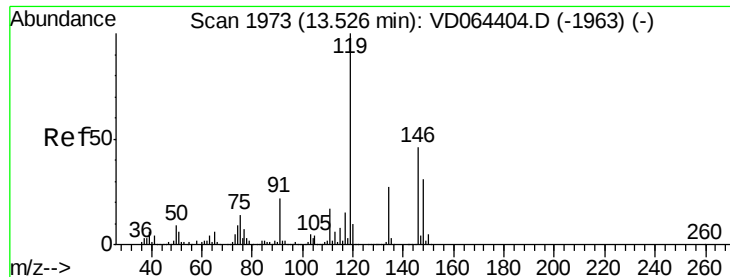


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

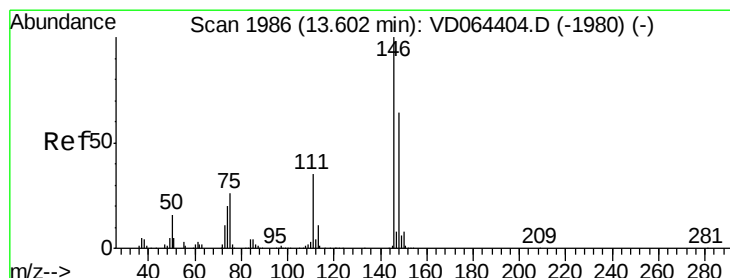
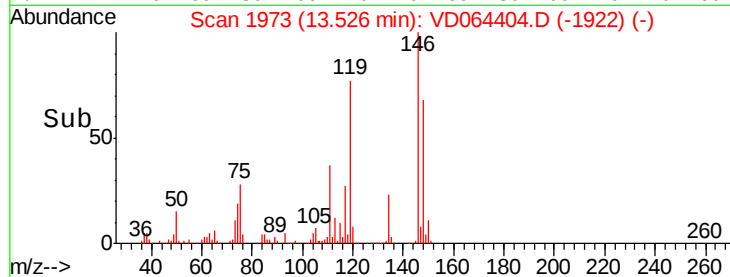
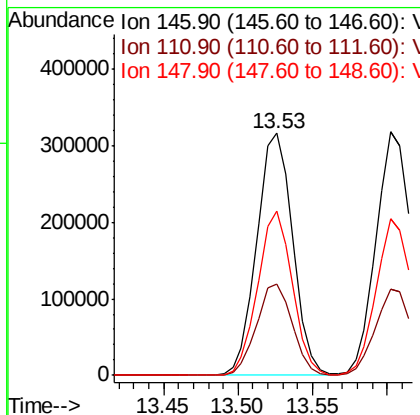
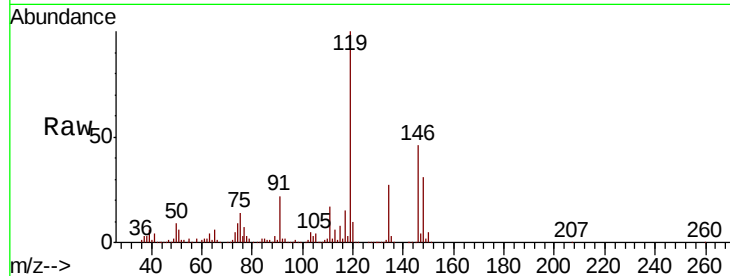




#87
 1,3-Dichlorobenzene
 Concen: 51.307 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.00 min
 Lab File: VD064404.D
 Acq: 27 Nov 2019 19:18

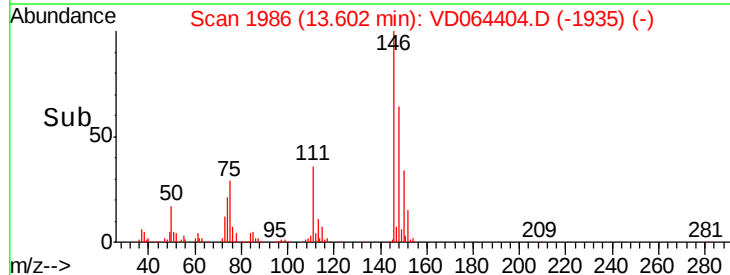
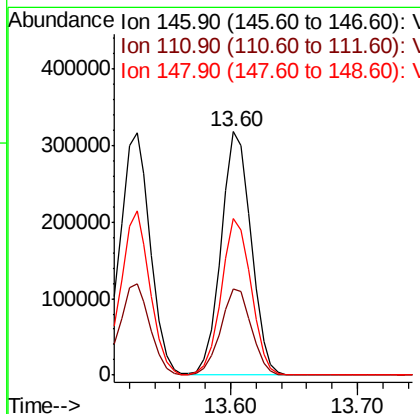
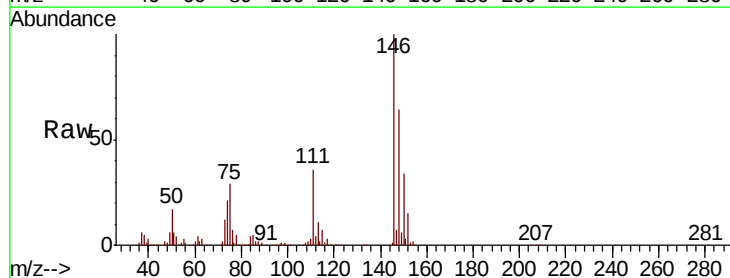
Instrument :
 MSVOA_D
 ClientSampleId :

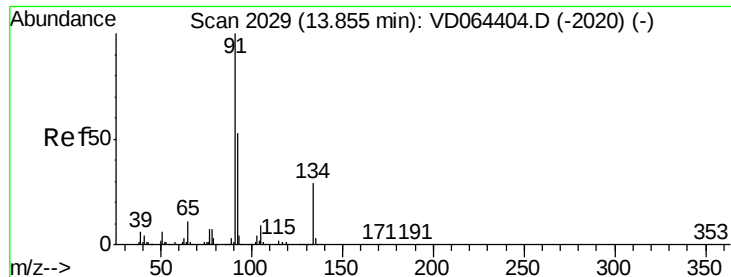
Tot Ion:146 Resp: 526281
 Ion Ratio Lower Upper
 146 100
 111 37.6 18.8 56.4
 148 65.2 32.6 97.8



#88
 1,4-Dichlorobenzene
 Concen: 52.172 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VD064404.D
 Acq: 27 Nov 2019 19:18

Tgt Ion:146 Resp: 520745
 Ion Ratio Lower Upper
 146 100
 111 36.4 18.2 54.6
 148 63.6 31.8 95.4

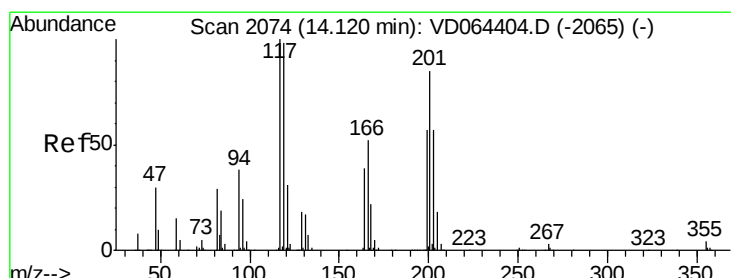
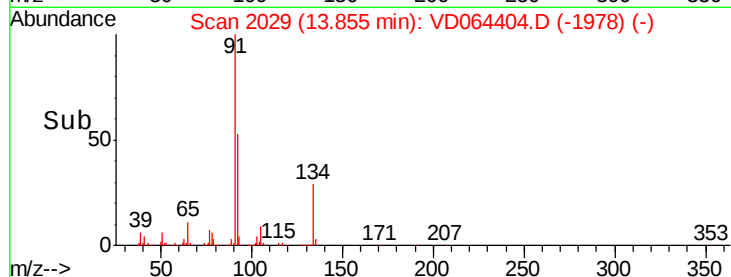
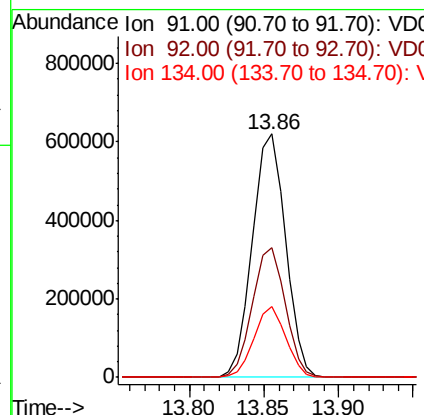
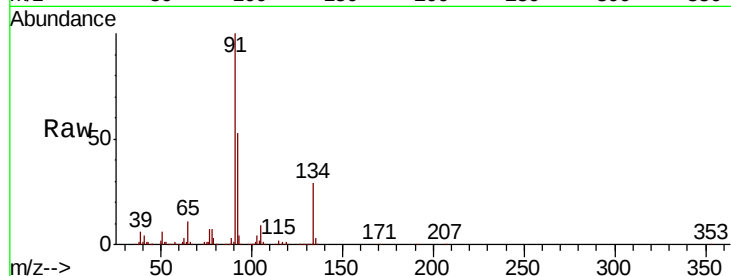




#89
n-Butylbenzene
Concen: 50.603 ug/l
RT: 13.86 min Scan# 2029
Delta R.T. 0.00 min
Lab File: VD064404.D
Acq: 27 Nov 2019 19:18

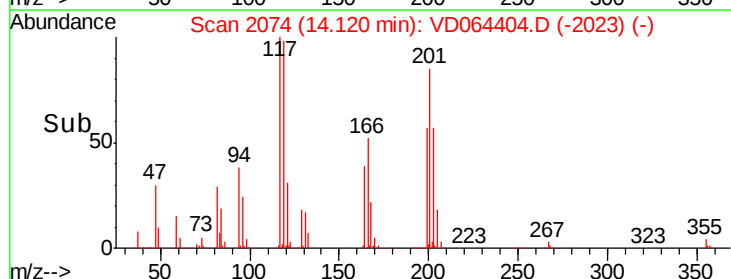
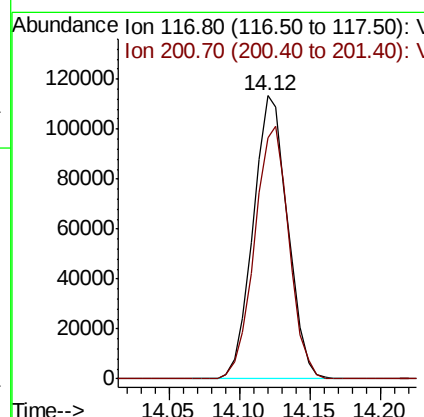
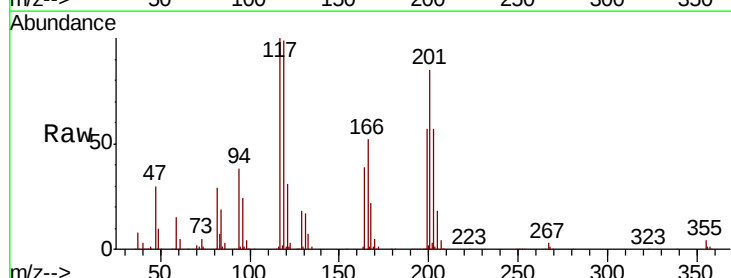
Instrument :
MSVOA_D
ClientSampled :

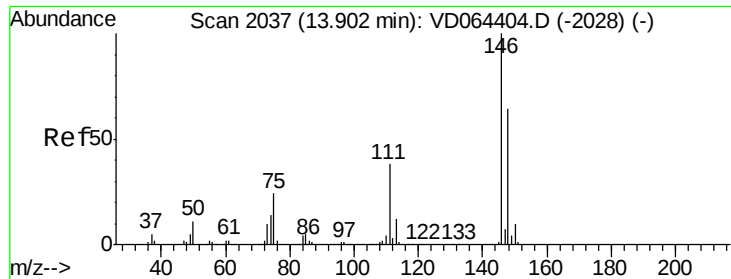
Tot Ion: 91 Resp: 954976
Ion Ratio Lower Upper
91 100
92 52.9 26.5 79.4
134 27.8 13.9 41.7



#90
Hexachloroethane
Concen: 50.497 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.00 min
Lab File: VD064404.D
Acq: 27 Nov 2019 19:18

Tgt Ion: 117 Resp: 195480
Ion Ratio Lower Upper
117 100
201 88.5 44.3 132.8





#91

1,2-Dichlorobenzene

Concen: 52.759 ug/l

RT: 13.90 min Scan# 2037

Delta R.T. 0.00 min

Lab File: VD064404.D

Acq: 27 Nov 2019 19:18

Instrument :

MSVOA_D

ClientSampleId :

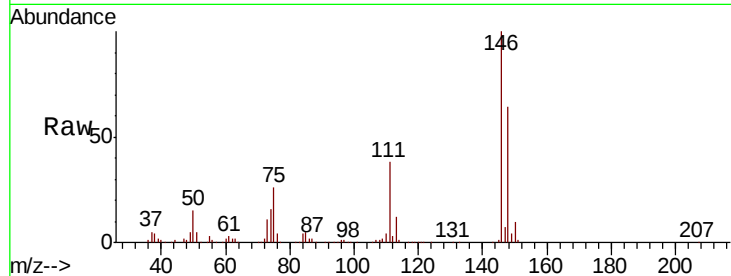
Tot Ion:146 Resp: 459244

Ion Ratio Lower Upper

146 100

111 38.2 19.1 57.3

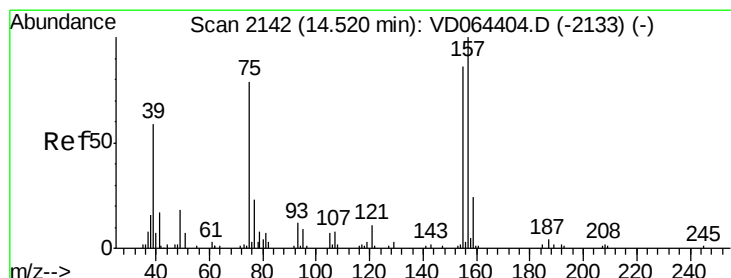
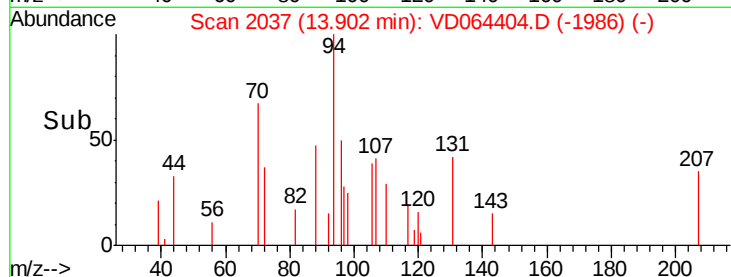
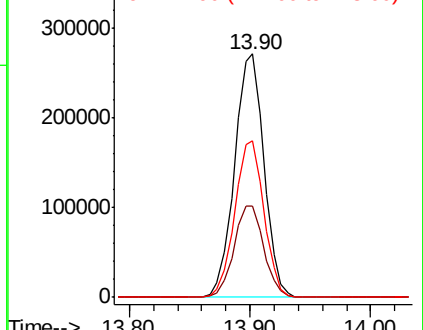
148 64.0 32.0 96.0



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 48.233 ug/l

RT: 14.52 min Scan# 2142

Delta R.T. 0.00 min

Lab File: VD064404.D

Acq: 27 Nov 2019 19:18

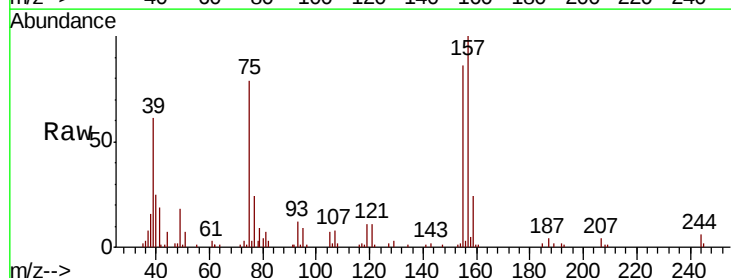
Tgt Ion: 75 Resp: 29360

Ion Ratio Lower Upper

75 100

155 103.8 51.9 155.7

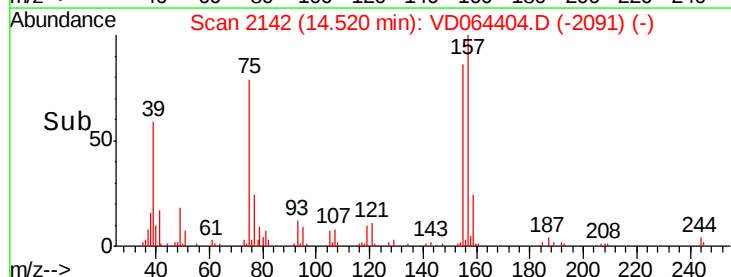
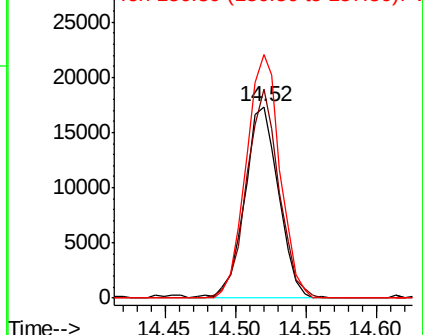
157 126.5 63.2 189.8

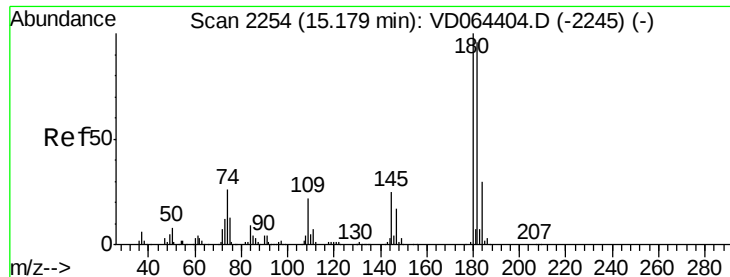


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

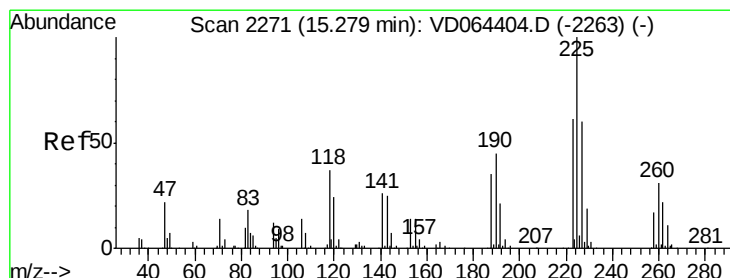
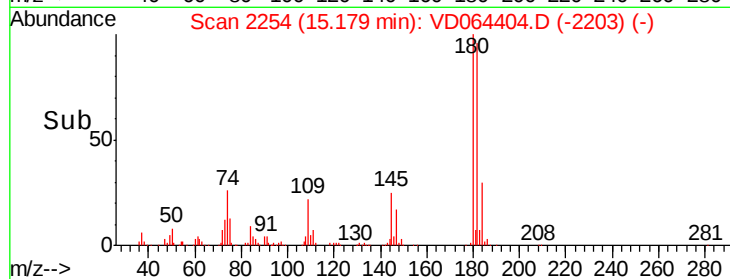
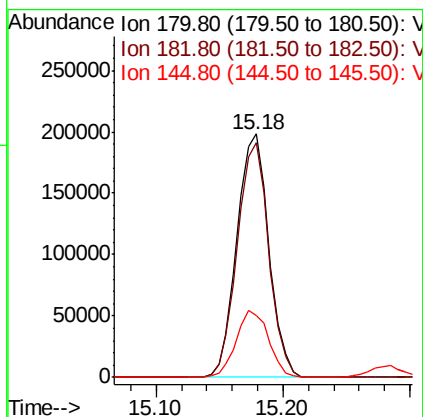
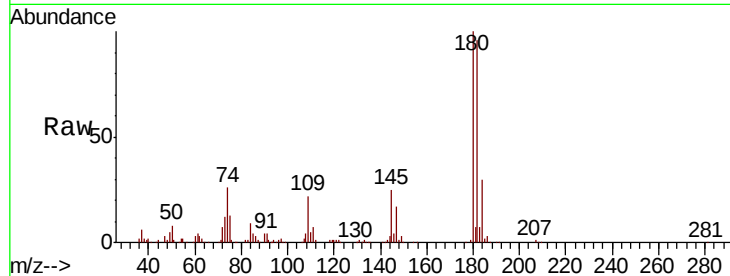




#93
 1,2,4-Trichlorobenzene
 Concen: 51.879 ug/l
 RT: 15.18 min Scan# 2254
 Delta R.T. 0.00 min
 Lab File: VD064404.D
 Acq: 27 Nov 2019 19:18

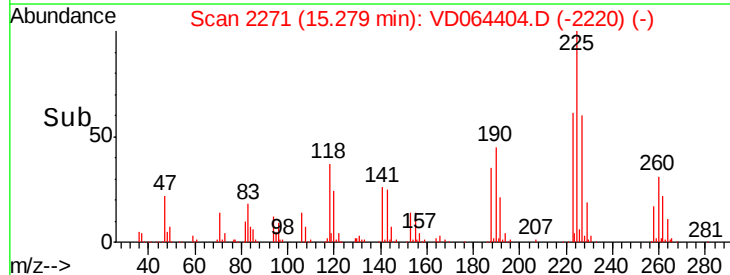
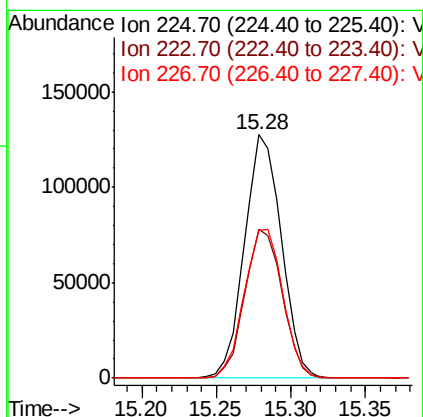
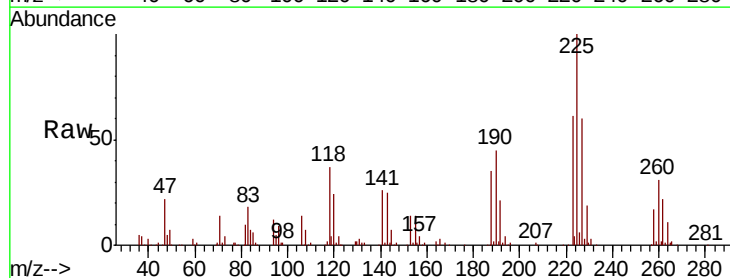
Instrument :
 MSVOA_D
 ClientSampleID :

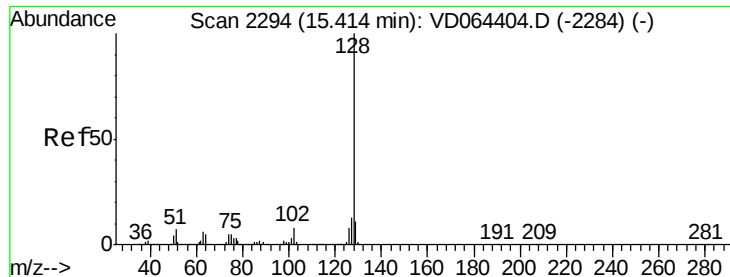
Tot Ion	Ratio	Lower	Upper
180	100		
182	94.9	47.4	142.3
145	27.9	14.0	41.9



#94
 Hexachlorobutadiene
 Concen: 50.760 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.00 min
 Lab File: VD064404.D
 Acq: 27 Nov 2019 19:18

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.2	31.1	93.3
227	63.6	31.8	95.4





#95

Naphthalene

Concen: 53.014 ug/l

RT: 15.41 min Scan# 2294

Delta R.T. 0.00 min

Lab File: VD064404.D

Acq: 27 Nov 2019 19:18

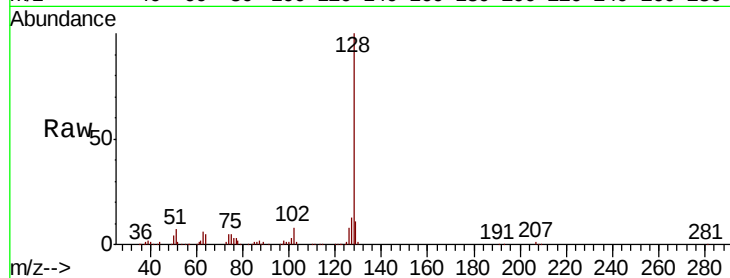
Instrument :

MSVOA_D

ClientSampleId :

Tot Ion:128 Resp: 584759

Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.5	15.7
129	11.0	8.8	13.2

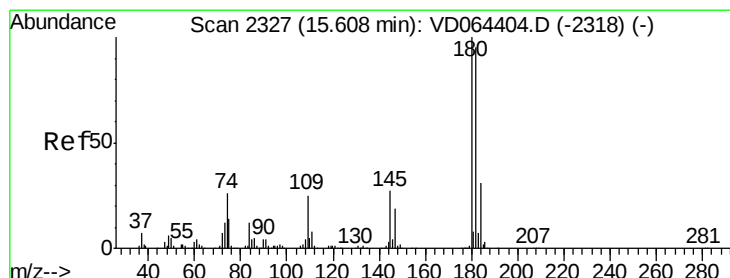
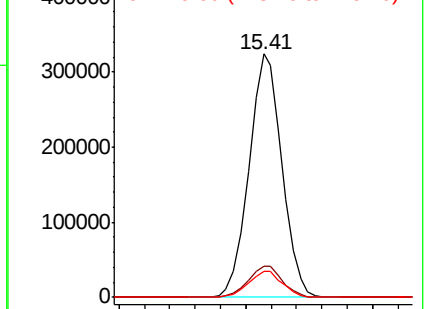
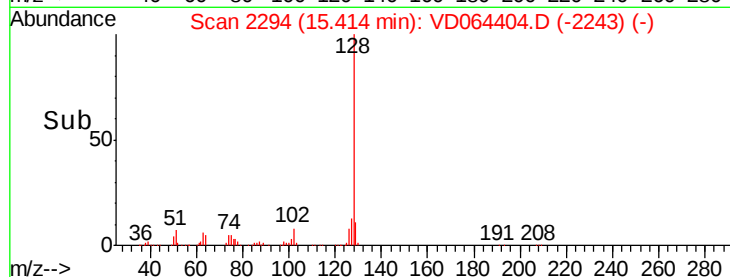


Abundance

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: 52.731 ug/l

RT: 15.61 min Scan# 2327

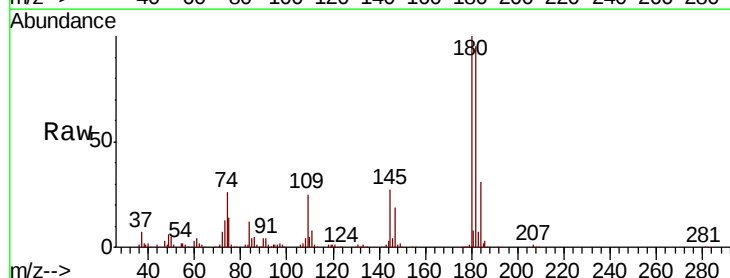
Delta R.T. 0.00 min

Lab File: VD064404.D

Acq: 27 Nov 2019 19:18

Tgt Ion:180 Resp: 301321

Ion	Ratio	Lower	Upper
180	100		
182	95.3	47.6	142.9
145	29.2	14.6	43.8



Abundance

Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

