

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD112719\
 Data File : VD064398.D
 Acq On : 27 Nov 2019 16:03
 Operator : VA/SY
 Sample : VSTDICC100
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Nov 29 07:25:50 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D112719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 29 07:18:03 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	482106	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	690921	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	597801	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	302177	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.34	65	445238	102.03	ug/l	0.00
Spiked Amount			Recovery	=	204.06%	
35) Dibromofluoromethane	7.92	113	433877	99.67	ug/l	0.00
Spiked Amount			Recovery	=	199.34%	
50) Toluene-d8	10.34	98	1694914	103.36	ug/l	0.00
Spiked Amount			Recovery	=	206.72%	
62) 4-Bromofluorobenzene	12.64	95	533447	101.23	ug/l	0.00
Spiked Amount			Recovery	=	202.46%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	424641	97.209	ug/l	99
3) Chloromethane	2.21	50	508858	92.357	ug/l	99
4) Vinyl Chloride	2.35	62	639674	100.553	ug/l	97
5) Bromomethane	2.76	94	441604	93.870	ug/l	97
6) Chloroethane	2.92	64	421201	99.058	ug/l	98
7) Trichlorofluoromethane	3.27	101	1059876	100.220	ug/l	96
8) Diethyl Ether	3.71	74	221167	100.640	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.08	101	453945	100.110	ug/l	98
10) Methyl Iodide	4.29	142	563087	117.590	ug/l	99
11) Tert butyl alcohol	5.26	59	132248	476.096	ug/l #	100
12) 1,1-Dichloroethene	4.06	96	432140	99.446	ug/l	98
13) Acrolein	3.92	56	180979	477.667	ug/l	98
14) Allyl chloride	4.71	41	687468	101.372	ug/l	99
15) Acrylonitrile	5.43	53	485306	505.006	ug/l	99
16) Acetone	4.17	43	476523	540.380	ug/l	98
17) Carbon Disulfide	4.40	76	1393706	101.266	ug/l	97
18) Methyl Acetate	4.73	43	256150	99.583	ug/l	99
19) Methyl tert-butyl Ether	5.48	73	1008821	101.207	ug/l	99
20) Methylene Chloride	4.96	84	452821	106.047	ug/l	98
21) trans-1,2-Dichloroethene	5.47	96	490337	99.756	ug/l	97
22) Diisopropyl ether	6.37	45	1334842	99.706	ug/l	98
23) Vinyl Acetate	6.31	43	4192739	531.225	ug/l	99
24) 1,1-Dichloroethane	6.26	63	806178	100.131	ug/l	97
25) 2-Butanone	7.23	43	652113	522.908	ug/l	99
26) 2,2-Dichloropropane	7.21	77	723038	103.264	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	534749	99.787	ug/l	99
28) Bromochloromethane	7.55	49	331209	120.373	ug/l	99
29) Tetrahydrofuran	7.57	42	410936	517.925	ug/l	97
30) Chloroform	7.71	83	835247	100.170	ug/l	97
31) Cyclohexane	7.98	56	761808	114.274	ug/l	96
32) 1,1,1-Trichloroethane	7.90	97	784472	101.477	ug/l	100
36) 1,1-Dichloropropene	8.11	75	676836	103.568	ug/l	98
37) Ethyl Acetate	7.30	43	287746	103.767	ug/l	98
38) Carbon Tetrachloride	8.10	117	731080	105.994	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	844888	104.223	ug/l	99
40) Benzene	8.36	78	1857242	102.322	ug/l	100
41) Methacrylonitrile	7.54	41	161117	101.314	ug/l	88
42) 1,2-Dichloroethane	8.43	62	543943	102.761	ug/l	98
43) Isopropyl Acetate	8.46	43	578623	106.125	ug/l	99
44) Trichloroethene	9.11	130	548278	100.279	ug/l	99
45) 1,2-Dichloropropane	9.39	63	440809	101.547	ug/l	99
46) Dibromomethane	9.48	93	252202	102.939	ug/l	98
47) Bromodichloromethane	9.67	83	652527	103.654	ug/l	100
48) Methyl methacrylate	9.46	41	270710	108.505	ug/l	93
49) 1,4-Dioxane	9.47	88	62033	2050.401	ug/l	96
51) 4-Methyl-2-Pentanone	10.23	43	1432651	531.059	ug/l	100
52) Toluene	10.41	92	1215017	102.715	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	639065	106.518	ug/l	99
54) cis-1,3-Dichloropropene	10.09	75	743940	104.378	ug/l	98
55) 1,1,2-Trichloroethane	10.81	97	332985	99.257	ug/l	98
56) Ethyl methacrylate	10.67	69	446188	104.279	ug/l	98
57) 1,3-Dichloropropane	10.95	76	582381	101.980	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	803785	471.236	ug/l	99
59) 2-Hexanone	10.99	43	1016228	542.879	ug/l	98
60) Dibromochloromethane	11.14	129	469422	103.202	ug/l	99
61) 1,2-Dibromoethane	11.25	107	341556	101.969	ug/l	98
64) Tetrachloroethene	10.88	164	479204	105.119	ug/l	99
65) Chlorobenzene	11.67	112	1281767	102.803	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.75	131	493347	106.888	ug/l	99
67) Ethyl Benzene	11.75	91	2331291	105.090	ug/l	100
68) m/p-Xylenes	11.86	106	1804727	213.364	ug/l	99
69) o-Xylene	12.18	106	831616	106.456	ug/l	100
70) Styrene	12.20	104	1469767	108.269	ug/l	99
71) Bromoform	12.37	173	293862	106.417	ug/l #	96
73) Isopropylbenzene	12.48	105	2268913	104.400	ug/l	100
74) N-amyl acetate	12.30	43	528315	107.108	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	361144	100.487	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	493156	198.453	ug/l #	100
77) Bromobenzene	12.77	156	554296	103.281	ug/l	99
78) n-propylbenzene	12.83	91	2625311	104.696	ug/l	100
79) 2-Chlorotoluene	12.91	91	1427836	103.483	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	1863782	104.943	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	124942	109.633	ug/l	97
82) 4-Chlorotoluene	13.01	91	1510501	103.396	ug/l	100
83) tert-Butylbenzene	13.23	119	1610965	104.336	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	1871708	104.809	ug/l	98
85) sec-Butylbenzene	13.41	105	2235814	105.507	ug/l	100
86) p-Isopropyltoluene	13.53	119	2132483	106.590	ug/l	100
87) 1,3-Dichlorobenzene	13.53	146	1060211	104.083	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	1017501	101.176	ug/l	99
89) n-Butylbenzene	13.85	91	1922620	105.823	ug/l	99
90) Hexachloroethane	14.12	117	383862	102.583	ug/l	98
91) 1,2-Dichlorobenzene	13.90	146	892488	102.522	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.52	75	60052	117.765	ug/l	98

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QLast Update : Fri Nov 29 07:18:03 2019
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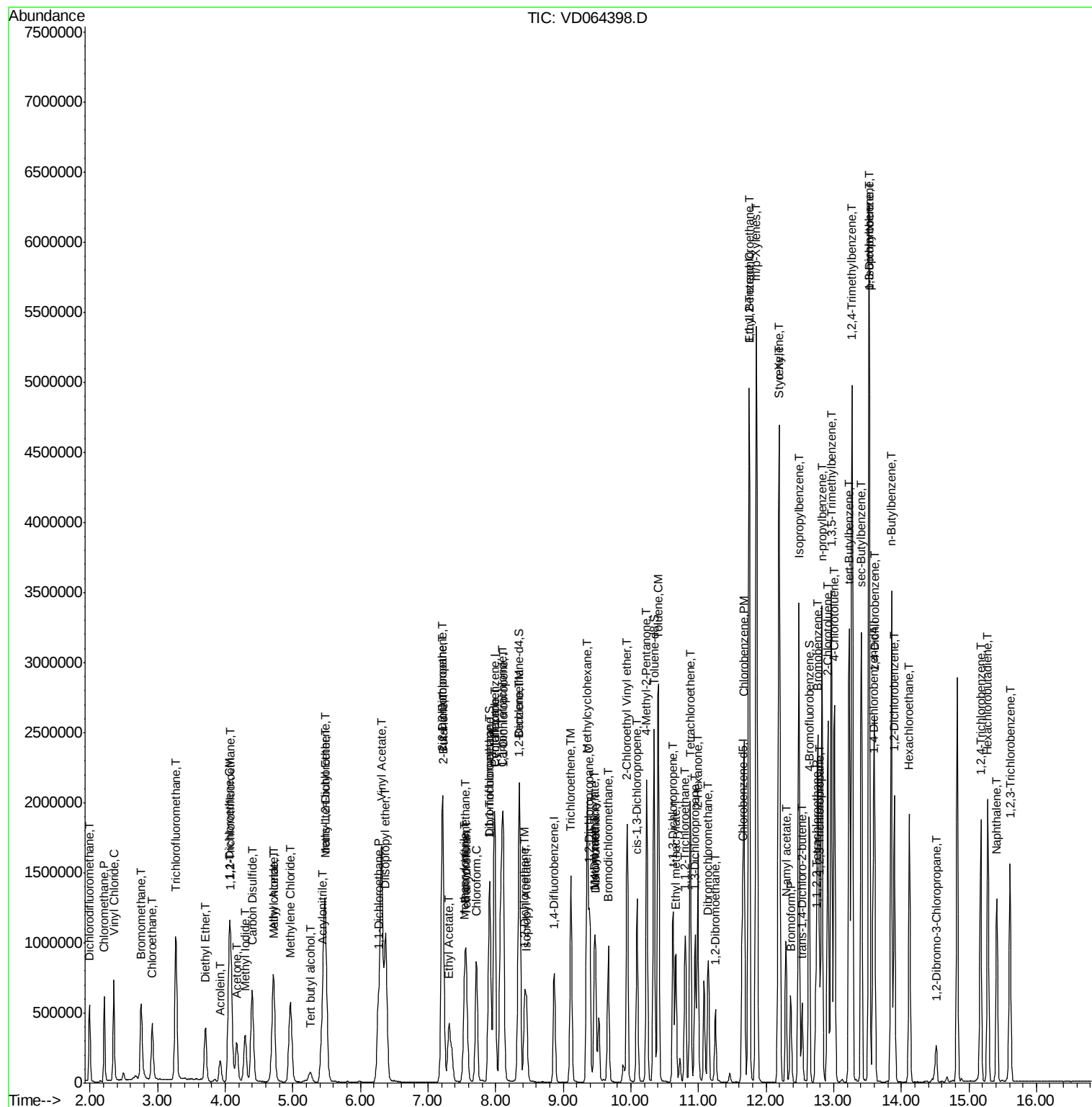
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.18	180	668952	100.339	ug/l	100
94) Hexachlorobutadiene	15.28	225	424045	103.030	ug/l	100
95) Naphthalene	15.41	128	1148076	103.186	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	571914	100.496	ug/l	98

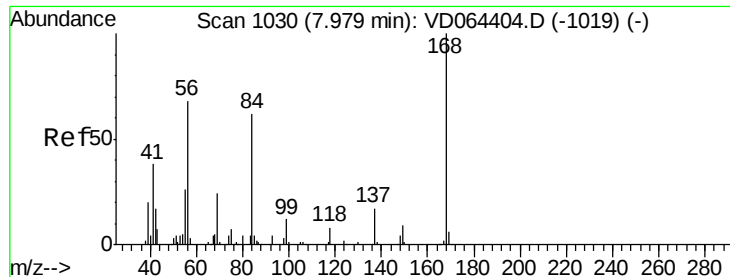
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Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD112719\
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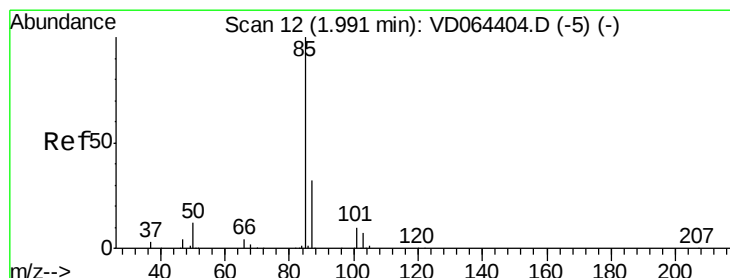
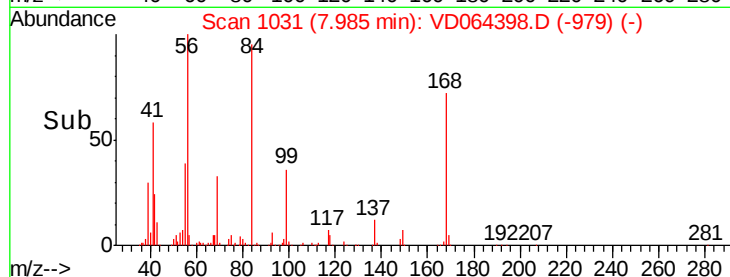
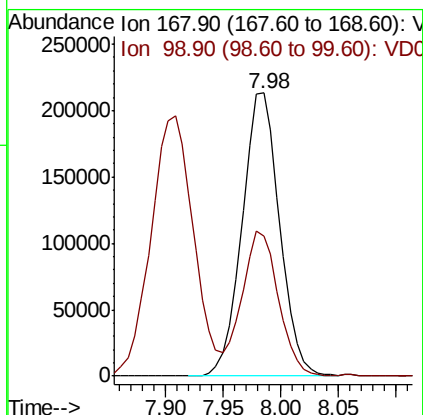
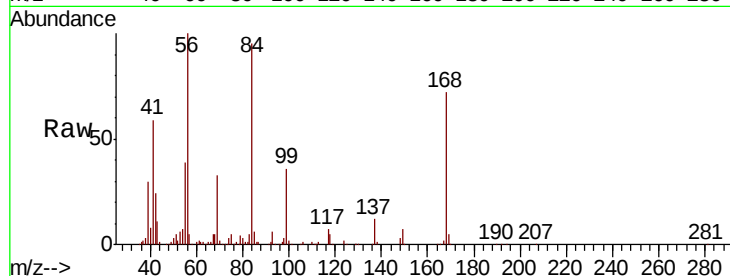




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. 0.01 min
Lab File: VD064398.D
Acq: 27 Nov 2019 16:03

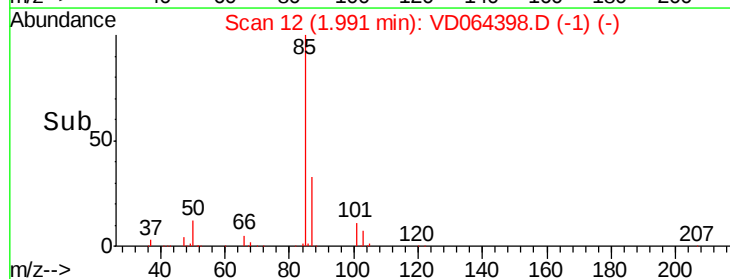
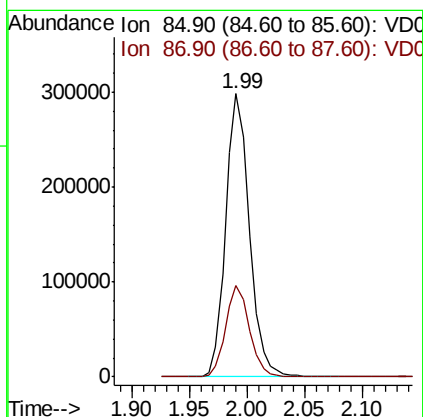
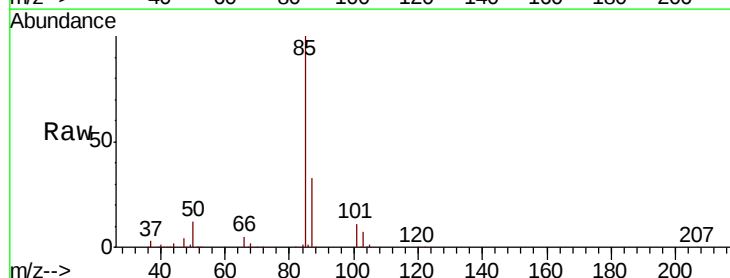
Instrument :
MSVOA_D
ClientSampled :

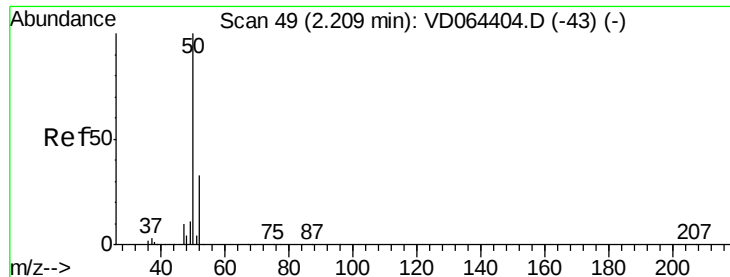
Tot Ion:168 Resp: 482106
Ion Ratio Lower Upper
168 100
99 49.2 40.7 61.1



#2
Dichlorodifluoromethane
Concen: 97.209 ug/l
RT: 1.99 min Scan# 12
Delta R.T. -0.00 min
Lab File: VD064398.D
Acq: 27 Nov 2019 16:03

Tgt Ion: 85 Resp: 424641
Ion Ratio Lower Upper
85 100
87 32.5 16.1 48.2





#3

Chloromethane

Concen: 92.357 ug/l

RT: 2.21 min Scan# 49

Delta R.T. -0.00 min

Lab File: VD064398.D

Acq: 27 Nov 2019 16:03

Instrument :

MSVOA_D

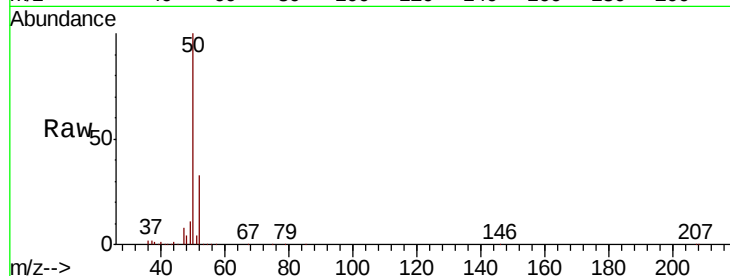
ClientSampleId :

Tot Ion: 50 Resp: 508858

Ion Ratio Lower Upper

50 100

52 32.6 26.7 40.1



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

2.21

400000

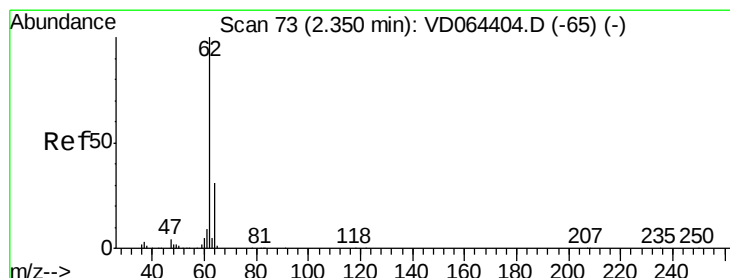
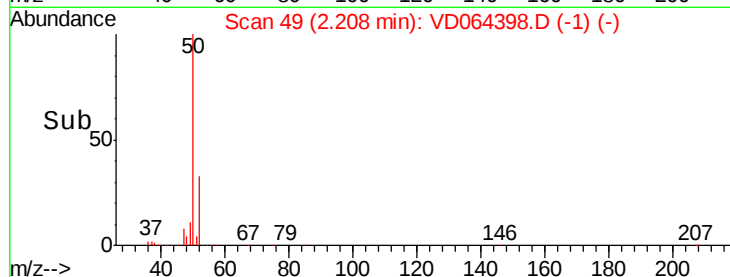
300000

200000

100000

0

Time-->



#4

Vinyl Chloride

Concen: 100.553 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD064398.D

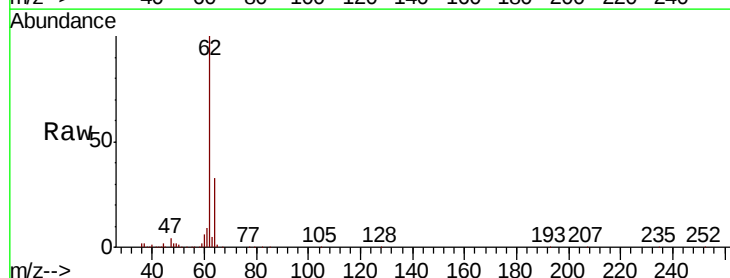
Acq: 27 Nov 2019 16:03

Tgt Ion: 62 Resp: 639674

Ion Ratio Lower Upper

62 100

64 32.7 25.0 37.4



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC

500000

400000

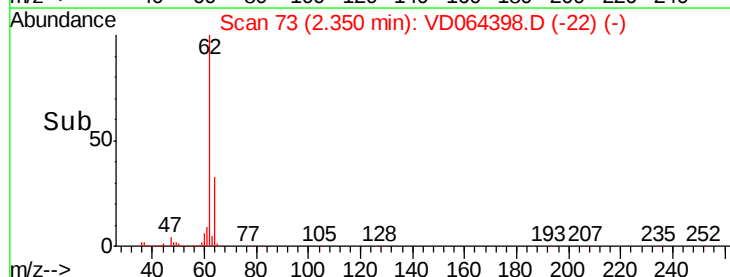
300000

200000

100000

0

Time-->





#5

Bromomethane

Concen: 93.870 ug/l

RT: 2.76 min Scan# 142

Delta R.T. -0.01 min

Lab File: VD064398.D

Acq: 27 Nov 2019 16:03

Instrument :

MSVOA_D

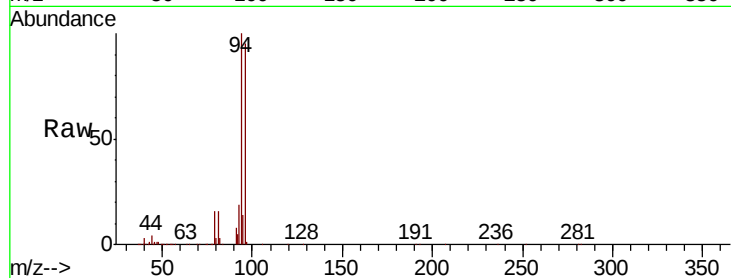
ClientSampleId :

Tot Ion: 94 Resp: 441604

Ion Ratio Lower Upper

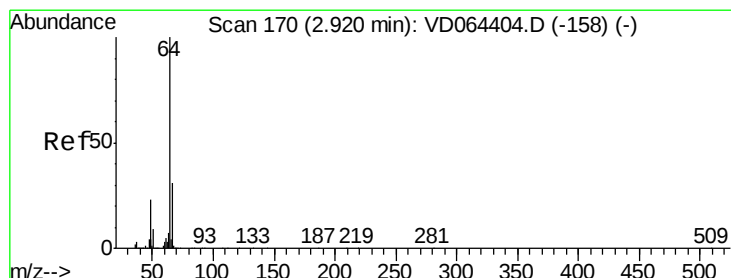
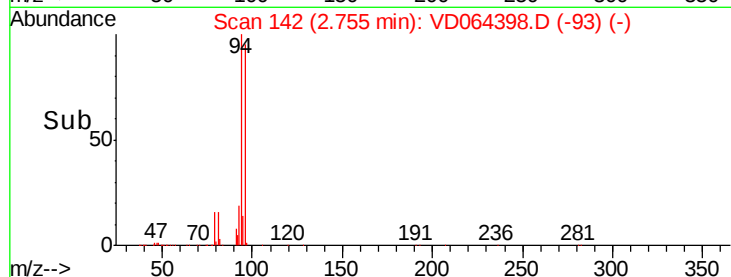
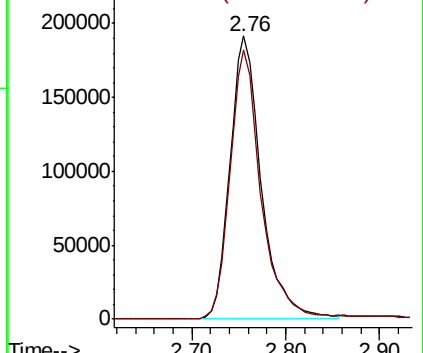
94 100

96 94.8 73.6 110.4



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 99.058 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.00 min

Lab File: VD064398.D

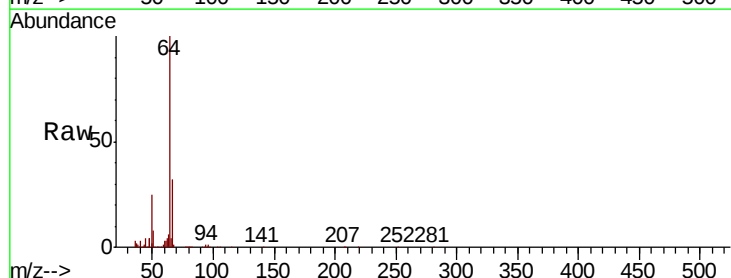
Acq: 27 Nov 2019 16:03

Tgt Ion: 64 Resp: 421201

Ion Ratio Lower Upper

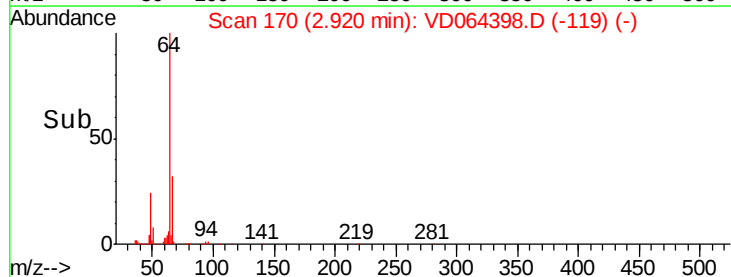
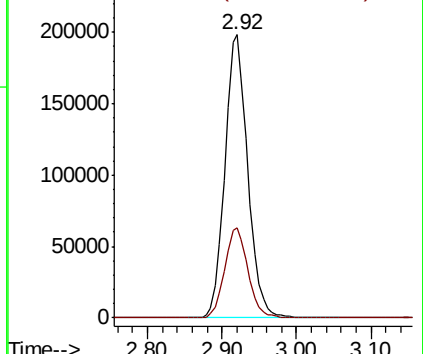
64 100

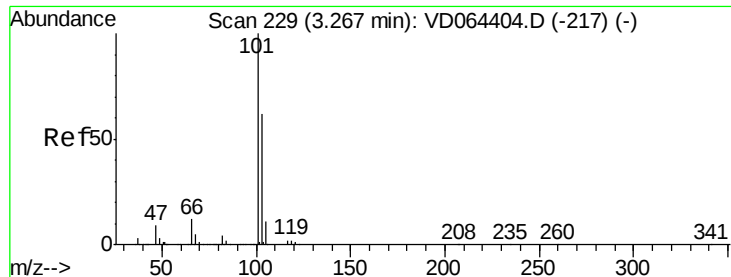
66 31.7 24.6 37.0



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC



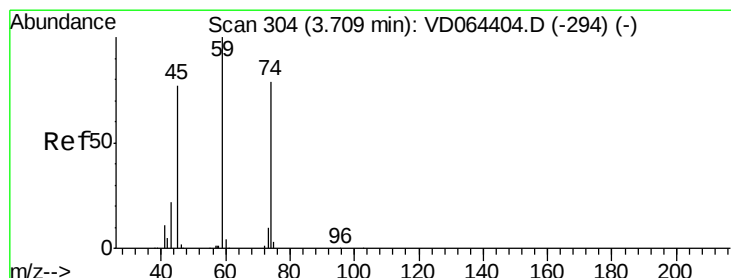
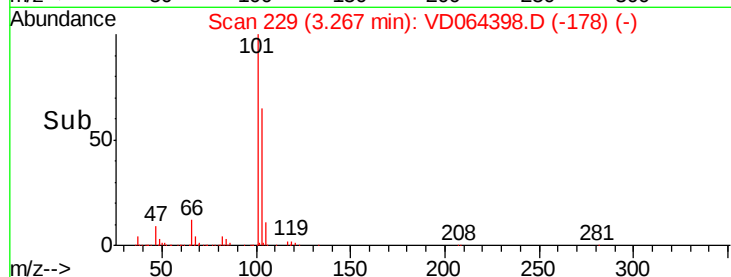
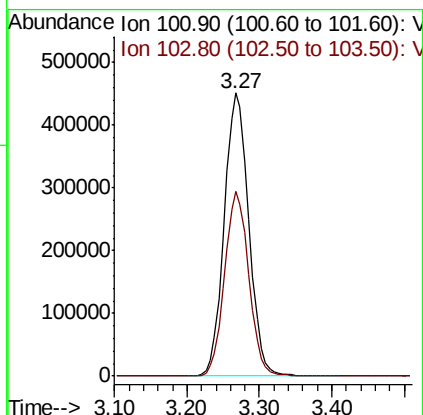
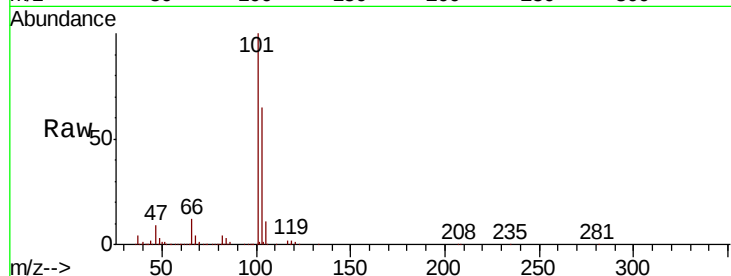


#7

Trichlorofluoromethane
Concen: 100.220 ug/l
RT: 3.27 min Scan# 229
Delta R.T. -0.00 min
Lab File: VD064398.D
Acq: 27 Nov 2019 16:03

Instrument :
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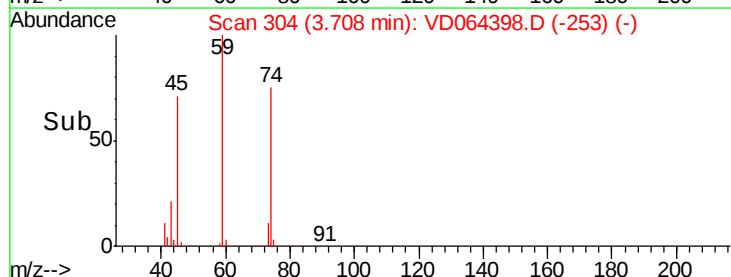
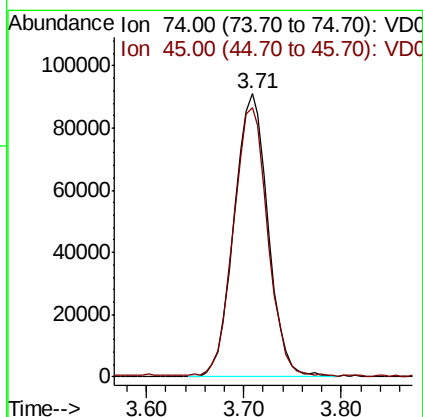
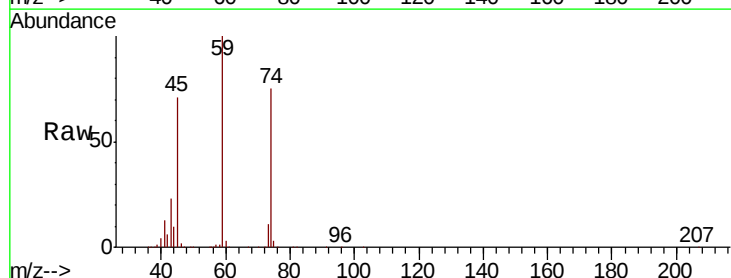
Tot Ion:101 Resp: 1059876
Ion Ratio Lower Upper
101 100
103 65.2 49.8 74.6

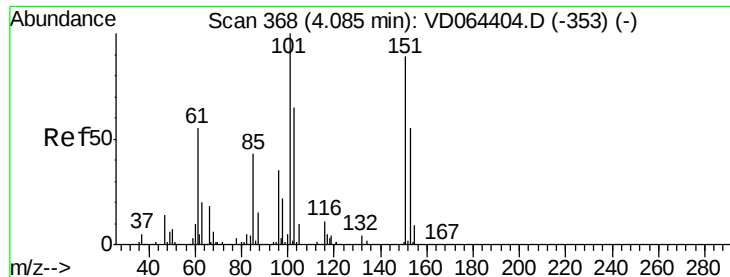


#8

Diethyl Ether
Concen: 100.640 ug/l
RT: 3.71 min Scan# 304
Delta R.T. -0.00 min
Lab File: VD064398.D
Acq: 27 Nov 2019 16:03

Tgt Ion: 74 Resp: 221167
Ion Ratio Lower Upper
74 100
45 95.5 48.6 145.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 100.110 ug/l

RT: 4.08 min Scan# 368

Delta R.T. -0.00 min

Lab File: VD064398.D

Acq: 27 Nov 2019 16:03

Instrument :

MSVOA_D

ClientSampleId :

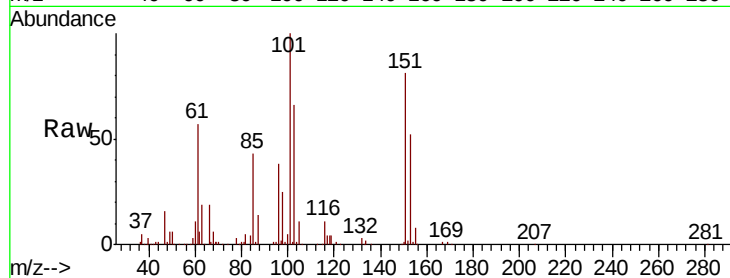
Tot Ion:101 Resp: 453945

Ion Ratio Lower Upper

101 100

85 44.4 34.8 52.2

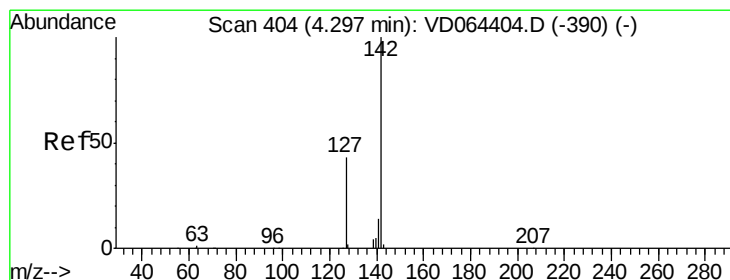
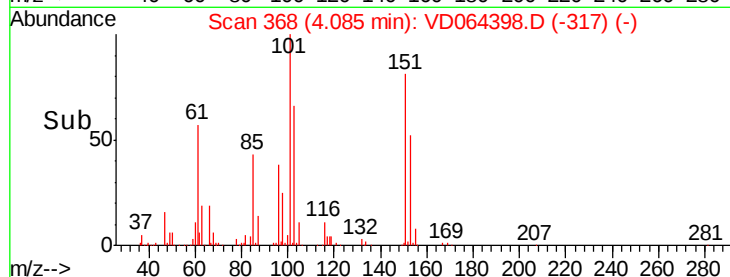
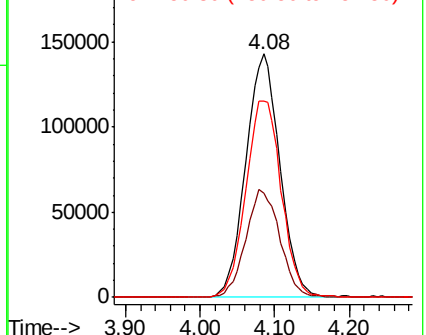
151 84.1 68.8 103.2



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: 117.590 ug/l

RT: 4.29 min Scan# 403

Delta R.T. -0.01 min

Lab File: VD064398.D

Acq: 27 Nov 2019 16:03

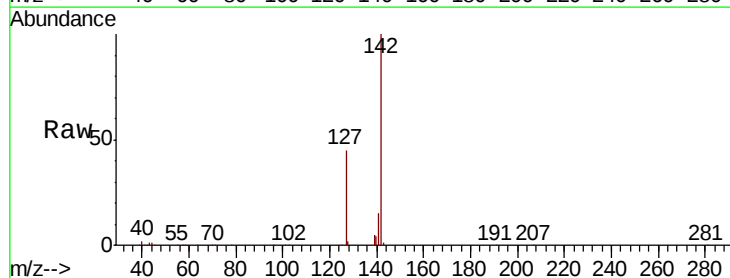
Tgt Ion:142 Resp: 563087

Ion Ratio Lower Upper

142 100

127 43.6 35.3 52.9

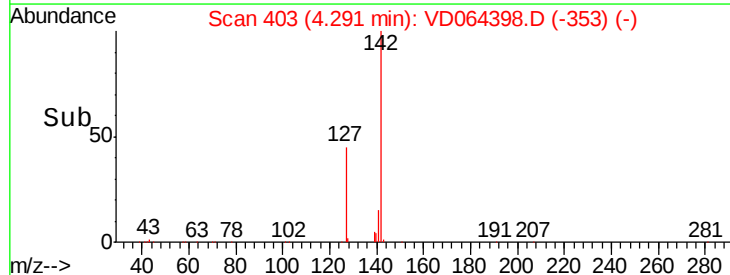
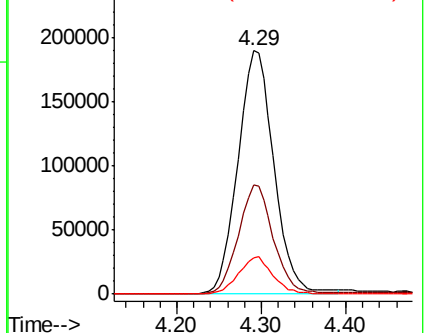
141 14.4 11.6 17.4

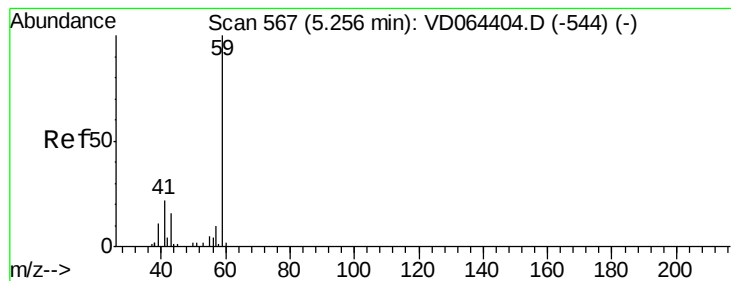


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



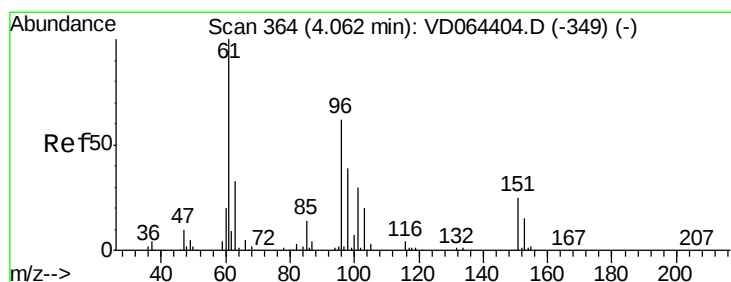
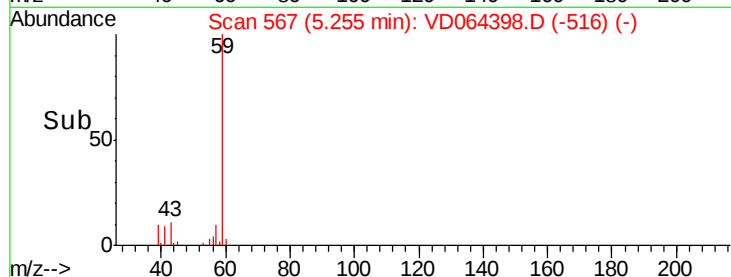
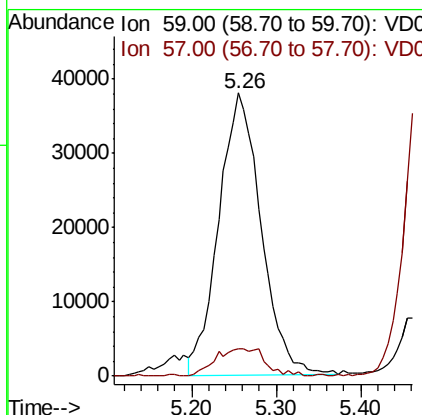
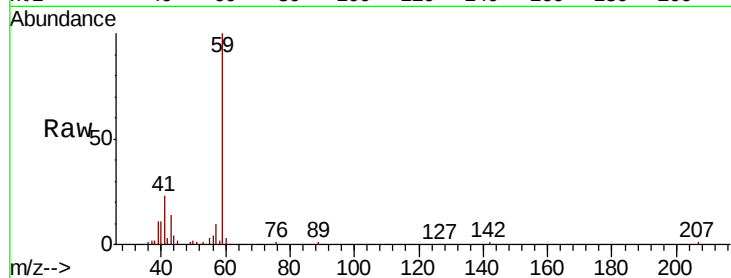


#11

Tert butyl alcohol
Concen: 476.096 ug/l
RT: 5.26 min Scan# 567
Delta R.T. -0.00 min
Lab File: VD064398.D
Acq: 27 Nov 2019 16:03

Instrument :
MSVOA_D
ClientSampled :

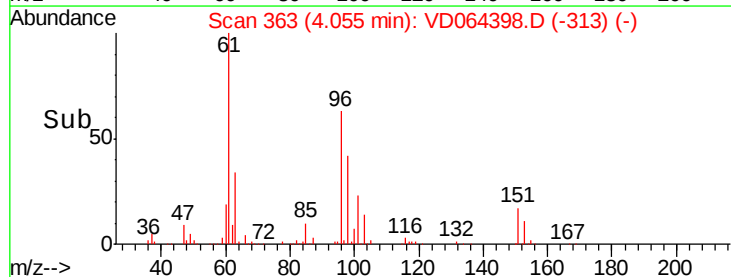
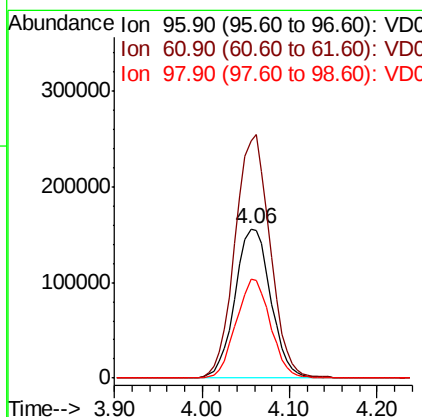
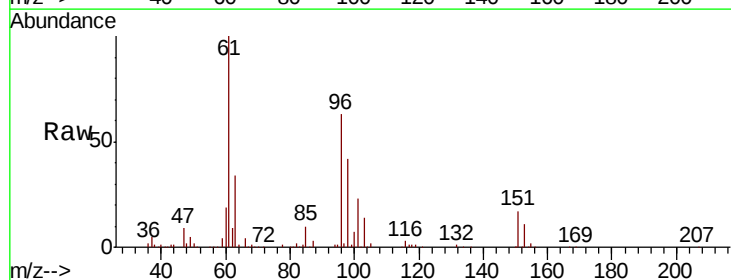
Tot Ion: 59 Resp: 132248
Ion Ratio Lower Upper
59 100
57 11.4 0.0 0.0#

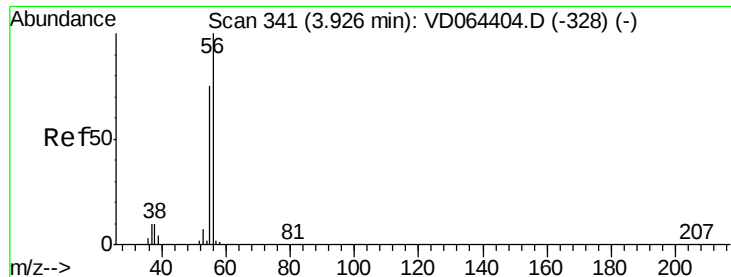


#12

1,1-Dichloroethene
Concen: 99.446 ug/l
RT: 4.06 min Scan# 363
Delta R.T. -0.01 min
Lab File: VD064398.D
Acq: 27 Nov 2019 16:03

Tgt Ion: 96 Resp: 432140
Ion Ratio Lower Upper
96 100
61 158.5 128.2 192.4
98 66.4 50.4 75.6





#13

Acrolein

Concen: 477.667 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.01 min

Lab File: VD064398.D

Acq: 27 Nov 2019 16:03

Instrument :

MSVOA_D

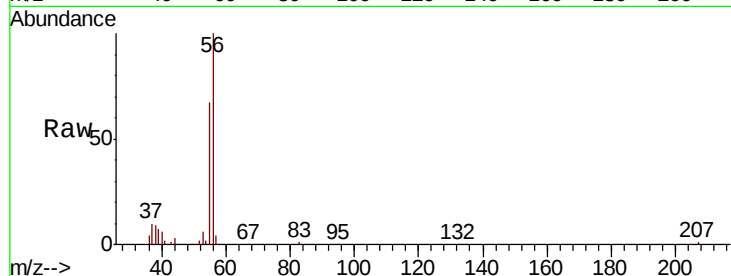
ClientSampleId :

Tot Ion: 56 Resp: 180979

Ion Ratio Lower Upper

56 100

55 69.5 56.9 85.3



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

3.92

80000

60000

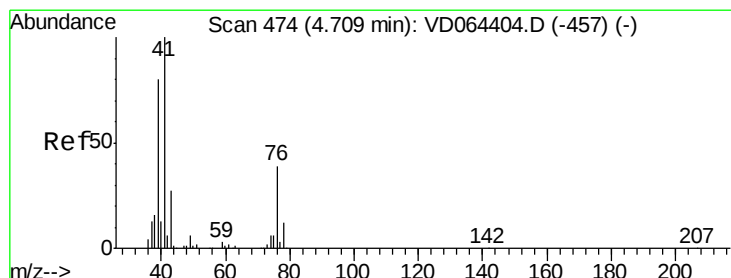
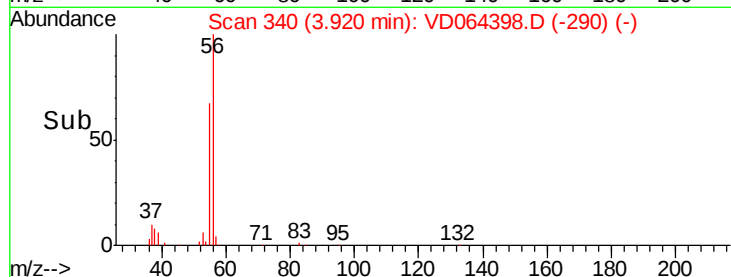
40000

20000

0

Time-->

3.80 3.90 4.00



#14

Allyl chloride

Concen: 101.372 ug/l

RT: 4.71 min Scan# 474

Delta R.T. -0.00 min

Lab File: VD064398.D

Acq: 27 Nov 2019 16:03

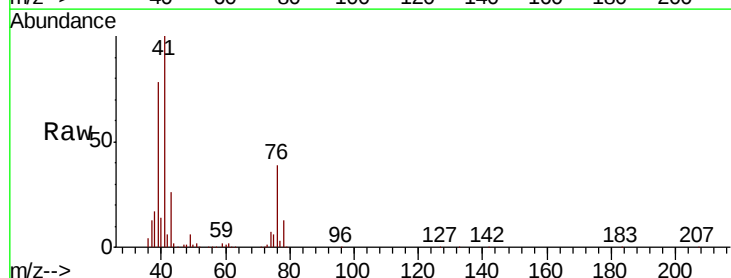
Tgt Ion: 41 Resp: 687468

Ion Ratio Lower Upper

41 100

39 76.4 62.1 93.1

76 37.1 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

4.71

300000

250000

200000

150000

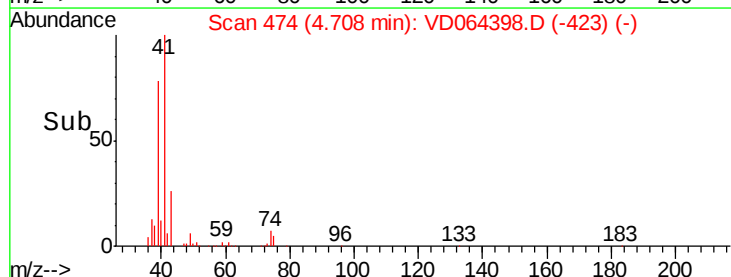
100000

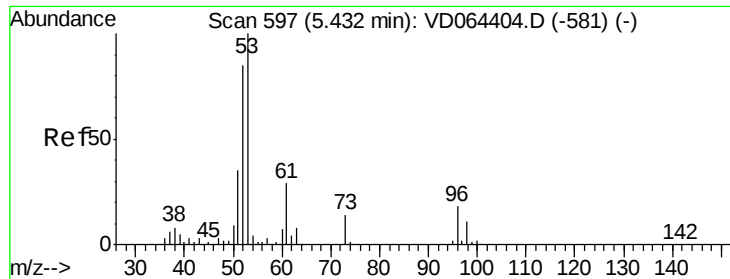
50000

0

Time-->

4.50 4.60 4.70 4.80 4.90





#15

Acrylonitrile

Concen: 505.006 ug/l

RT: 5.43 min Scan# 597

Delta R.T. -0.00 min

Lab File: VD064398.D

Acq: 27 Nov 2019 16:03

Instrument :

MSVOA_D

ClientSampleId :

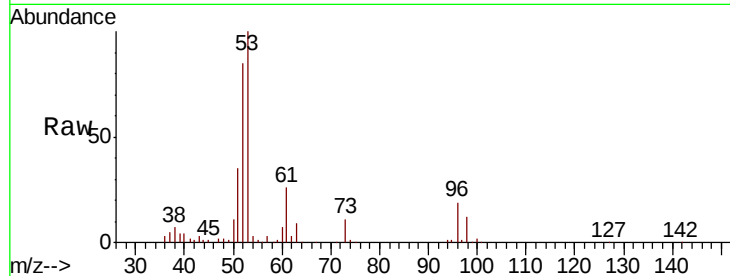
Tot Ion: 53 Resp: 485306

Ion Ratio Lower Upper

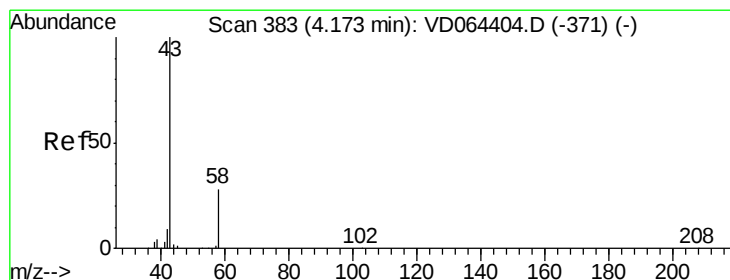
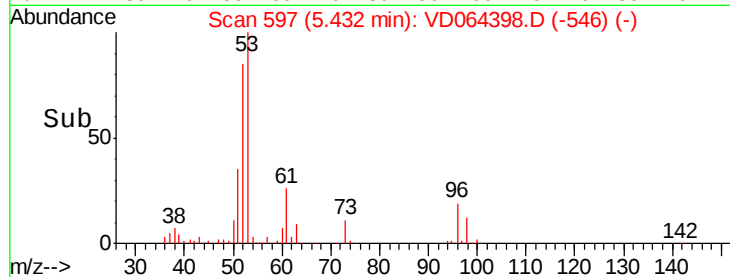
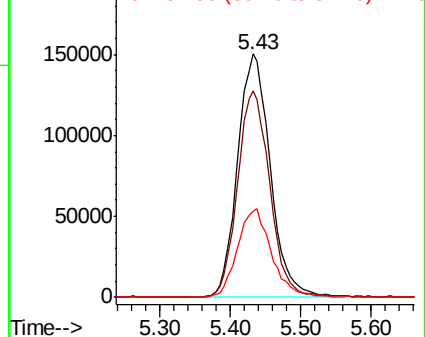
53 100

52 83.3 67.9 101.9

51 37.8 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: 540.380 ug/l

RT: 4.17 min Scan# 382

Delta R.T. -0.01 min

Lab File: VD064398.D

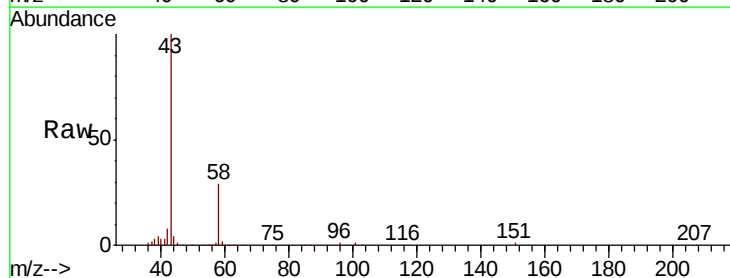
Acq: 27 Nov 2019 16:03

Tgt Ion: 43 Resp: 476523

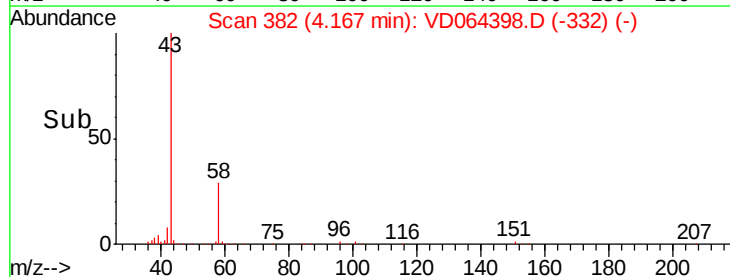
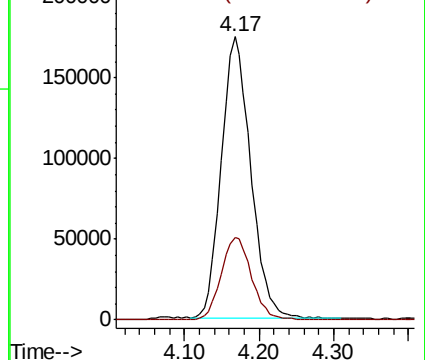
Ion Ratio Lower Upper

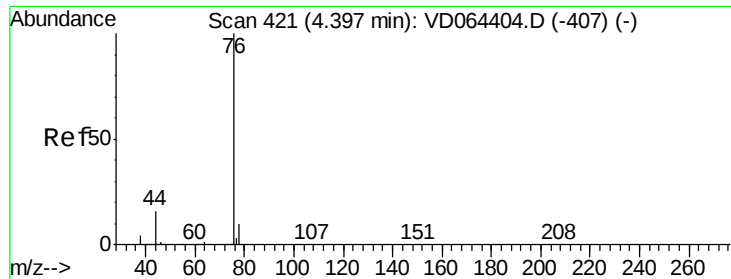
43 100

58 29.3 22.6 33.8



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

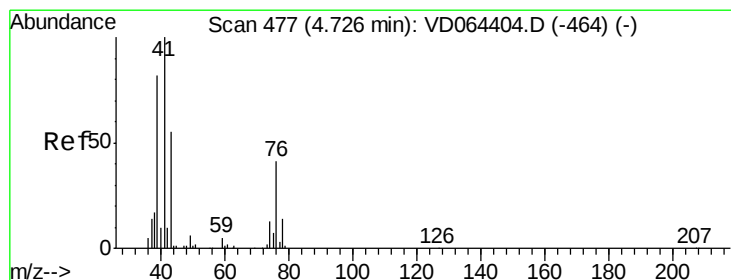
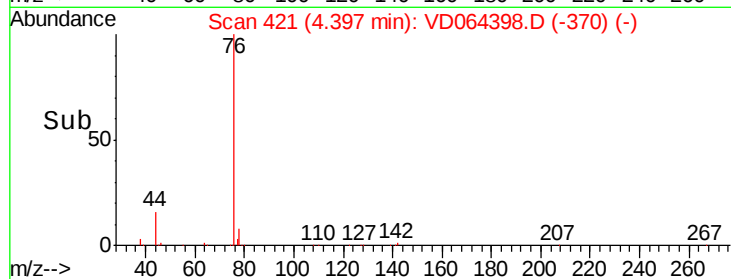
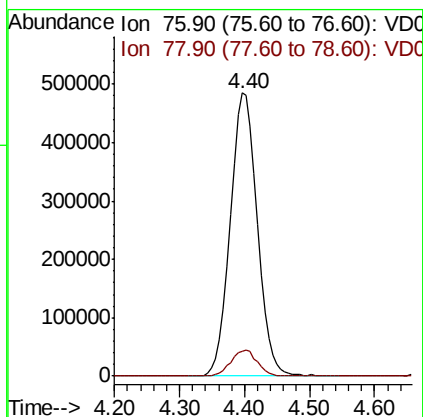
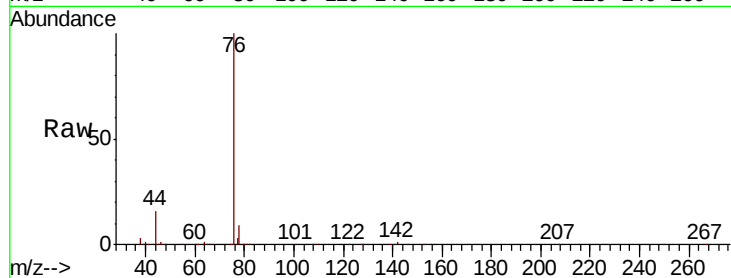




#17
Carbon Disulfide
Concen: 101.266 ug/l
RT: 4.40 min Scan# 421
Delta R.T. -0.00 min
Lab File: VD064398.D
Acq: 27 Nov 2019 16:03

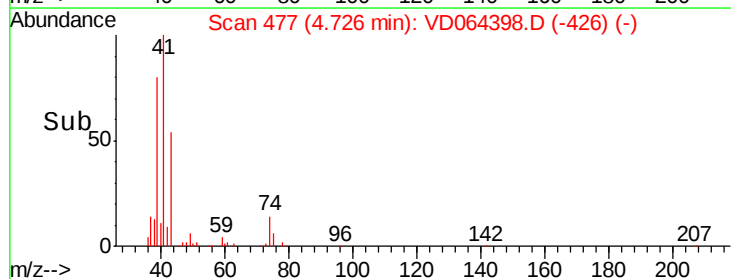
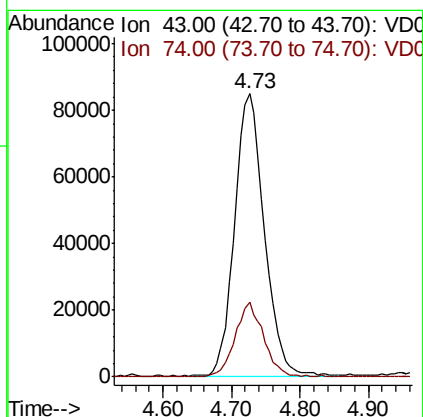
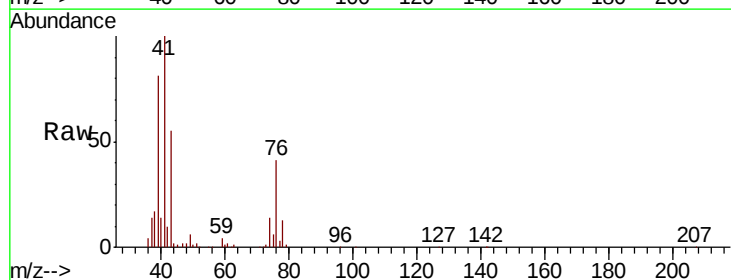
Instrument :
MSVOA_D
ClientSampled :

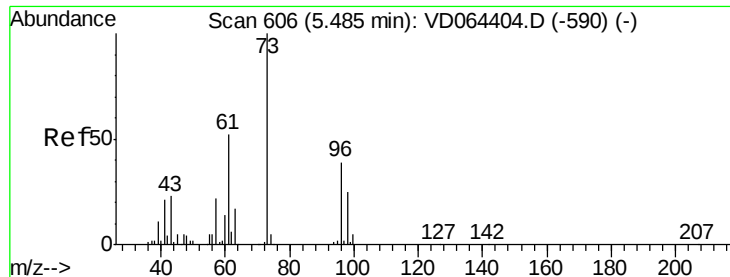
Tot Ion: 76 Resp: 1393706
Ion Ratio Lower Upper
76 100
78 8.8 7.8 11.8



#18
Methyl Acetate
Concen: 99.583 ug/l
RT: 4.73 min Scan# 477
Delta R.T. -0.00 min
Lab File: VD064398.D
Acq: 27 Nov 2019 16:03

Tgt Ion: 43 Resp: 256150
Ion Ratio Lower Upper
43 100
74 25.1 19.7 29.5

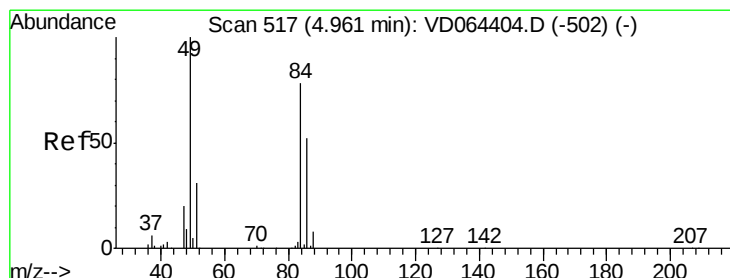
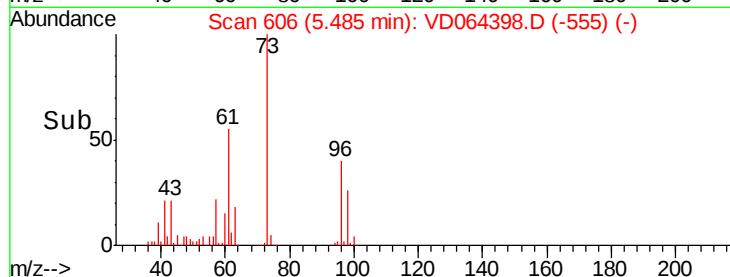
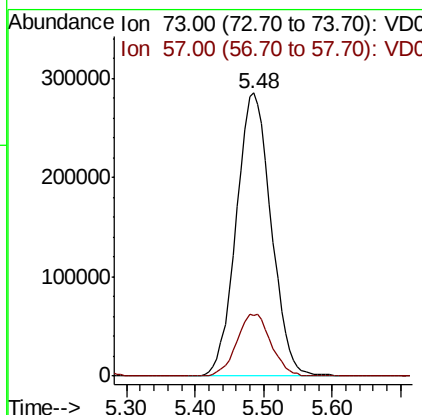
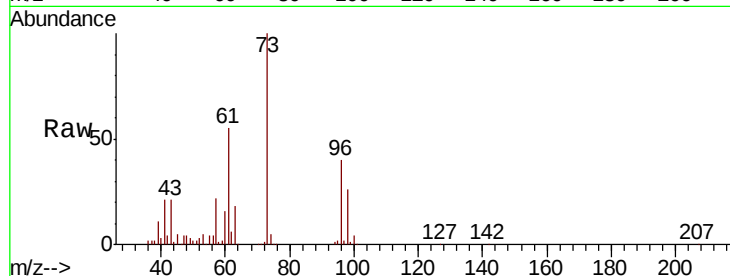




#19
Methvl tert-butvl Ether
Concen: 101.207 ug/l
RT: 5.48 min Scan# 606
Delta R.T. -0.00 min
Lab File: VD064398.D
Acq: 27 Nov 2019 16:03

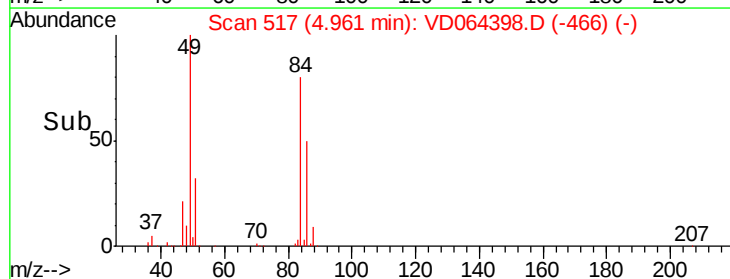
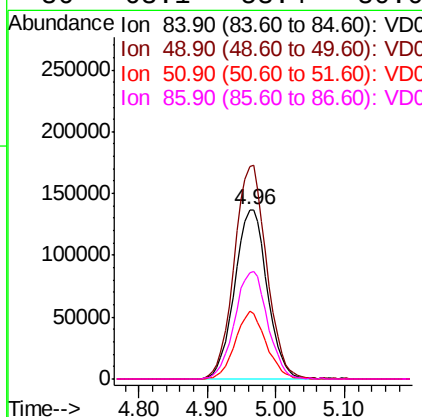
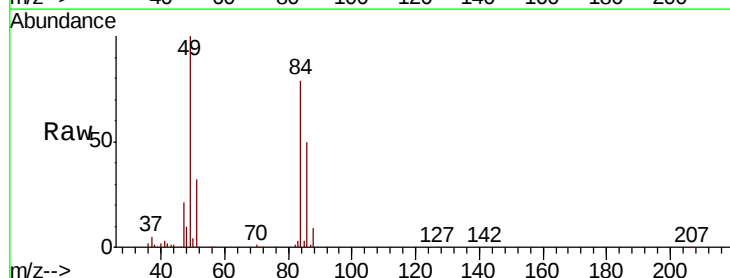
Instrument :
MSVOA_D
ClientSampleId :

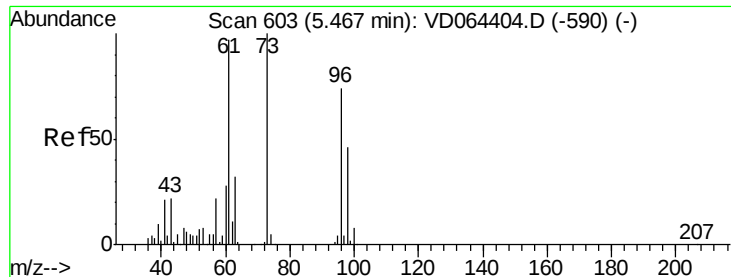
Tot Ion: 73 Resp: 1008821
Ion Ratio Lower Upper
73 100
57 21.6 17.6 26.4



#20
Methylene Chloride
Concen: 106.047 ug/l
RT: 4.96 min Scan# 517
Delta R.T. 0.00 min
Lab File: VD064398.D
Acq: 27 Nov 2019 16:03

Tgt Ion: 84 Resp: 452821
Ion Ratio Lower Upper
84 100
49 126.0 102.6 153.8
51 40.1 32.0 48.0
86 63.1 53.4 80.0





#21

trans-1,2-Dichloroethene

Concen: 99.756 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.00 min

Lab File: VD064398.D

Acq: 27 Nov 2019 16:03

Instrument :

MSVOA_D

ClientSampleId :

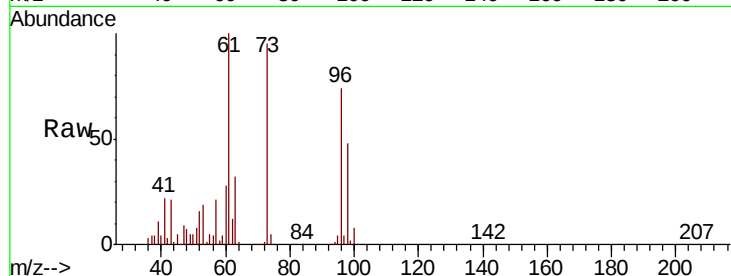
Tot Ion: 96 Resp: 490337

Ion Ratio Lower Upper

96 100

61 135.4 105.8 158.6

98 64.7 50.1 75.1

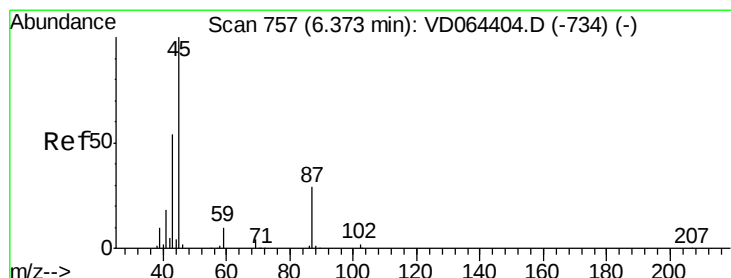
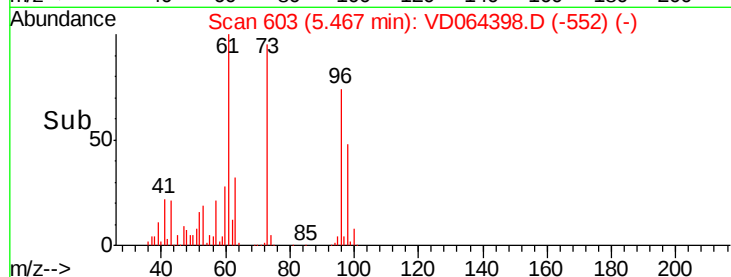
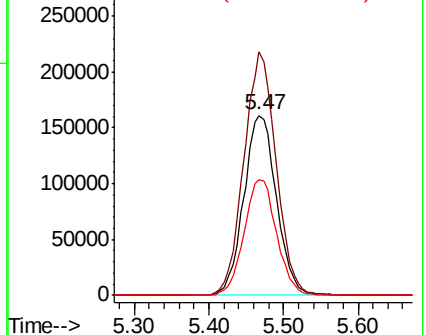


Abundance

Ion 95.90 (95.60 to 96.60): VDC

Ion 60.90 (60.60 to 61.60): VDC

Ion 97.90 (97.60 to 98.60): VDC



#22

Diisopropyl ether

Concen: 99.706 ug/l

RT: 6.37 min Scan# 757

Delta R.T. -0.00 min

Lab File: VD064398.D

Acq: 27 Nov 2019 16:03

Tgt Ion: 45 Resp: 1334842

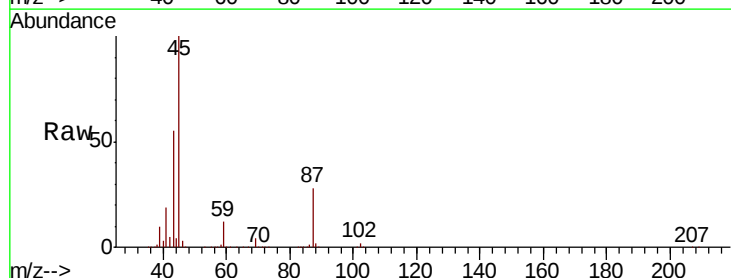
Ion Ratio Lower Upper

45 100

43 54.4 43.1 64.7

87 27.6 23.5 35.3

59 11.5 8.2 12.2



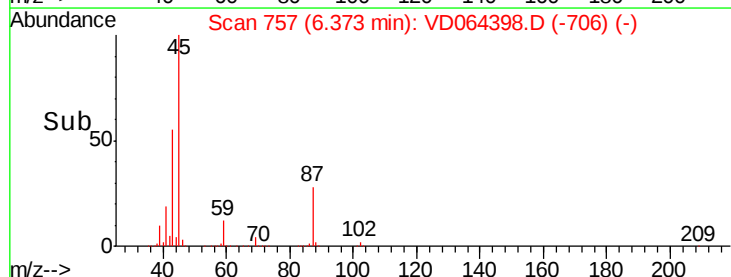
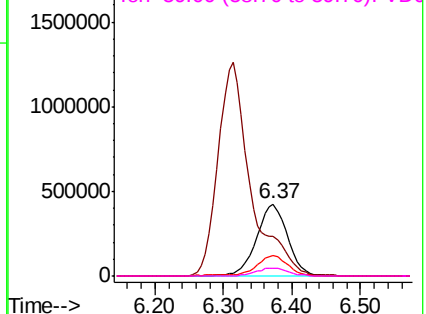
Abundance

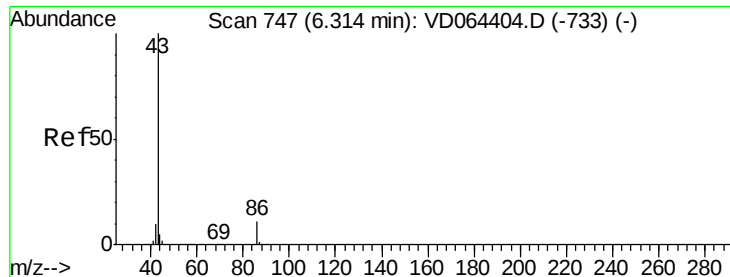
Ion 45.00 (44.70 to 45.70): VDC

Ion 43.00 (42.70 to 43.70): VDC

Ion 87.00 (86.70 to 87.70): VDC

Ion 59.00 (58.70 to 59.70): VDC





#23

Vinyl Acetate

Concen: 531.225 ug/l

RT: 6.31 min Scan# 747

Delta R.T. -0.00 min

Lab File: VD064398.D

Acq: 27 Nov 2019 16:03

Instrument :

MSVOA_D

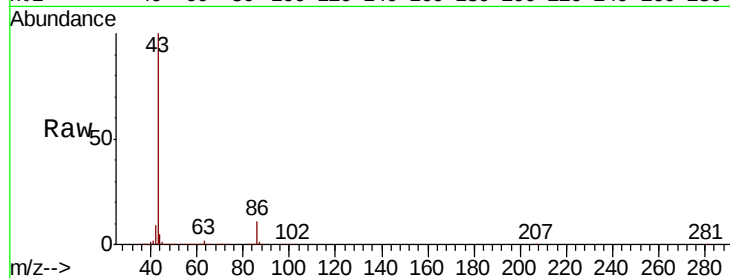
ClientSampleId :

Tot Ion: 43 Resp: 4192739

Ion Ratio Lower Upper

43 100

86 10.9 8.9 13.3



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC

6.31

1500000

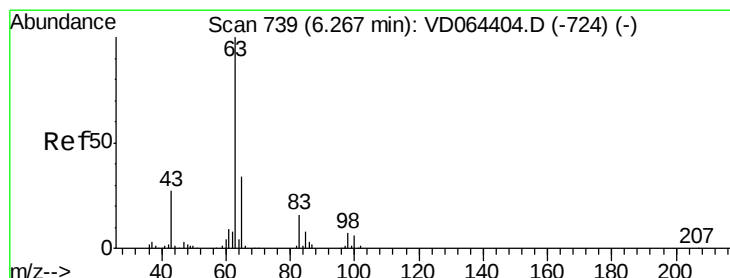
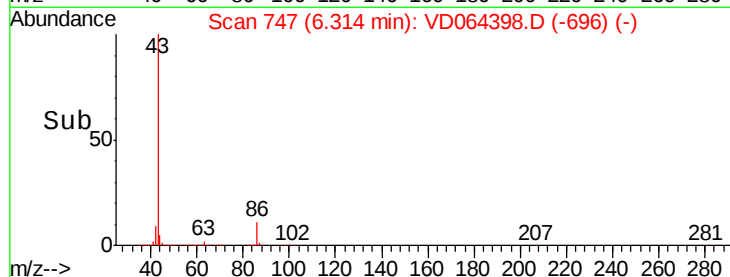
1000000

500000

0

Time-->

6.20 6.40



#24

1,1-Dichloroethane

Concen: 100.131 ug/l

RT: 6.26 min Scan# 738

Delta R.T. -0.01 min

Lab File: VD064398.D

Acq: 27 Nov 2019 16:03

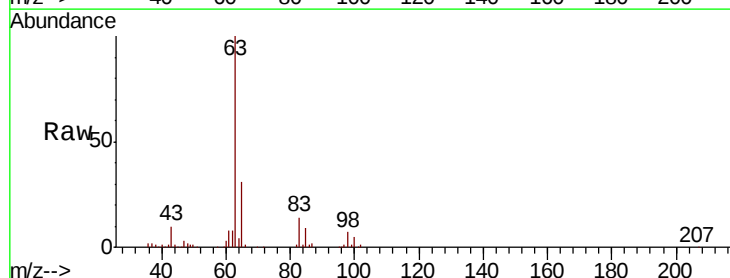
Tgt Ion: 63 Resp: 806178

Ion Ratio Lower Upper

63 100

98 6.7 3.6 10.9

100 4.6 2.9 8.6



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC

6.26

300000

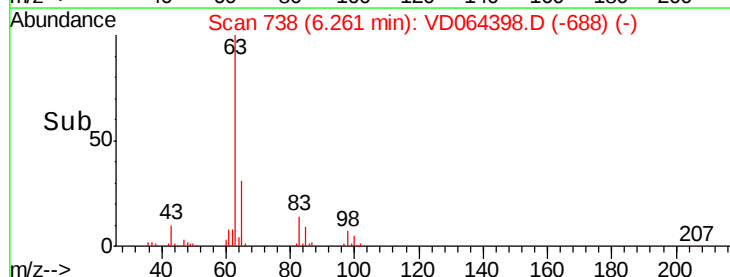
200000

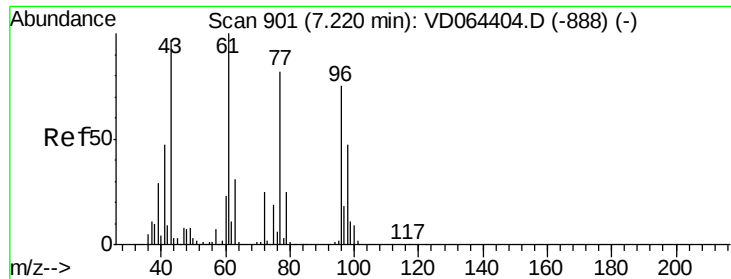
100000

0

Time-->

6.10 6.20 6.30 6.40





#25

2-Butanone

Concen: 522.908 ug/l

RT: 7.23 min Scan# 902

Delta R.T. 0.01 min

Lab File: VD064398.D

Acq: 27 Nov 2019 16:03

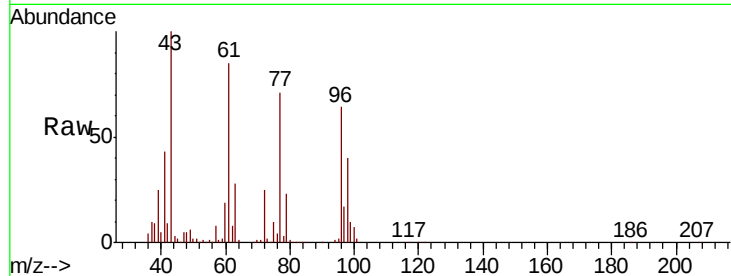
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 43 Resp: 652113

Ion Ratio Lower Upper

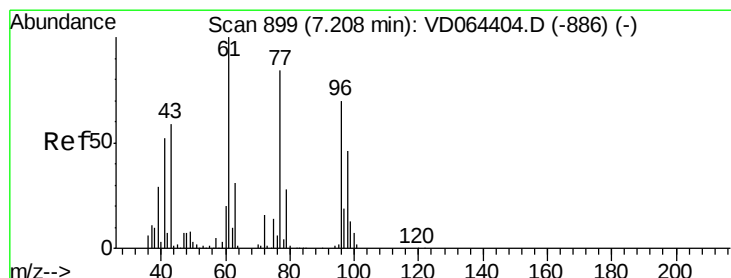
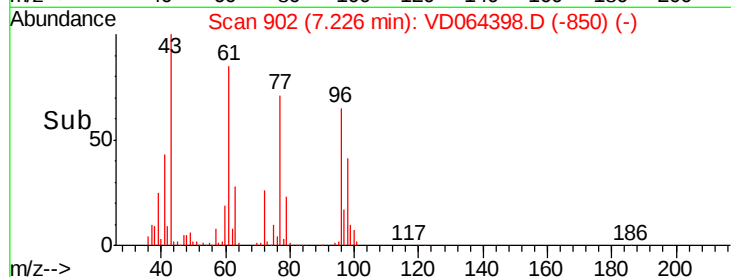
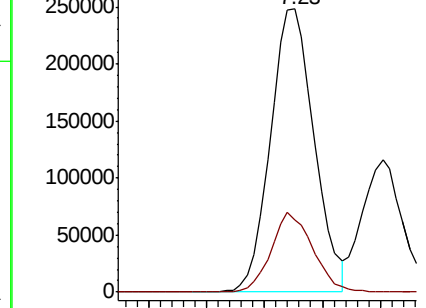
43 100

72 25.5 21.0 31.4



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 103.264 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.00 min

Lab File: VD064398.D

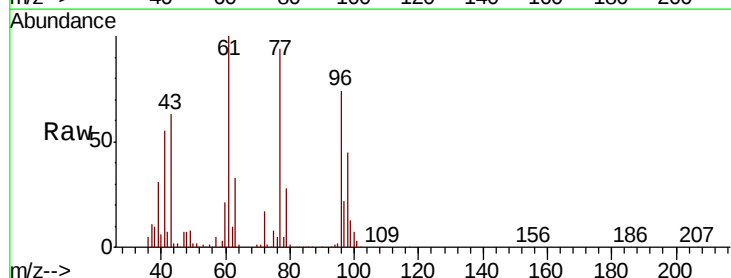
Acq: 27 Nov 2019 16:03

Tgt Ion: 77 Resp: 723038

Ion Ratio Lower Upper

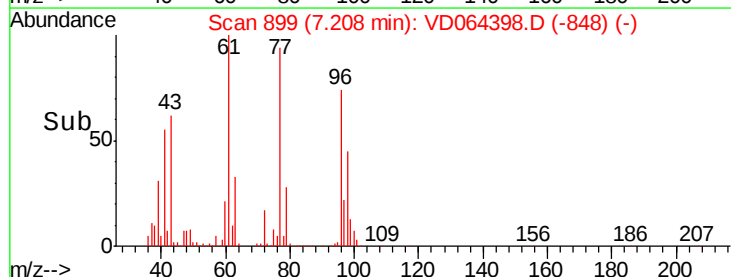
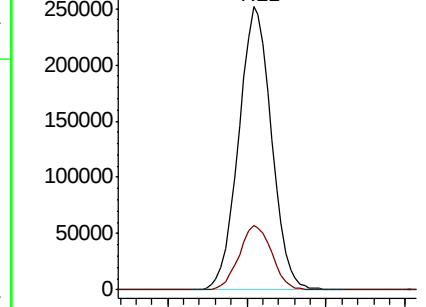
77 100

97 22.6 11.6 34.7



Abundance Ion 76.90 (76.60 to 77.60): VDC

Ion 96.90 (96.60 to 97.60): VDC



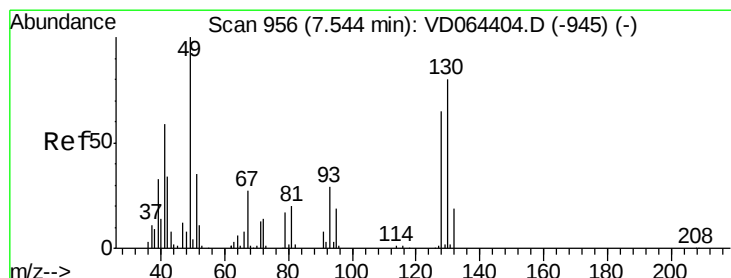
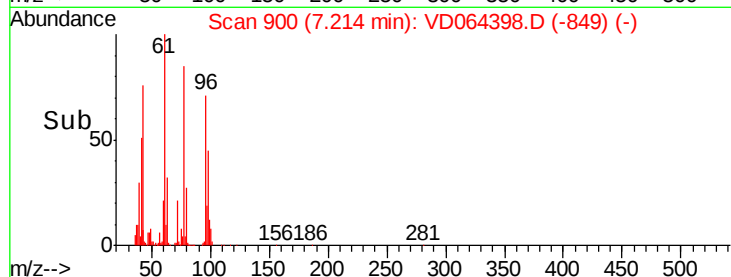
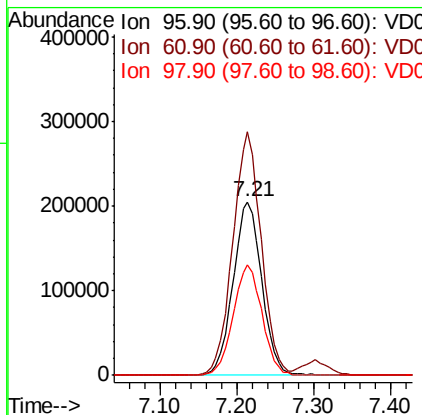
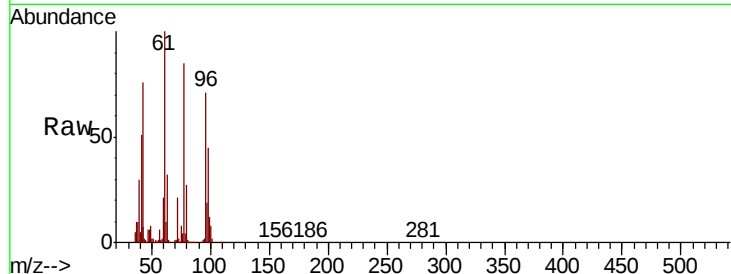


#27

cis-1,2-Dichloroethene
Concen: 99.787 ug/l
RT: 7.21 min Scan# 900
Delta R.T. -0.00 min
Lab File: VD064398.D
Acq: 27 Nov 2019 16:03

Instrument :
MSVOA_D
ClientSampleId :

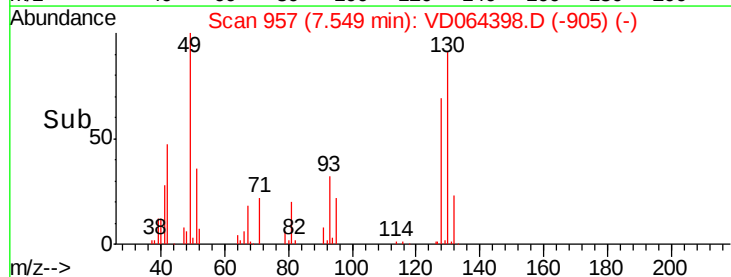
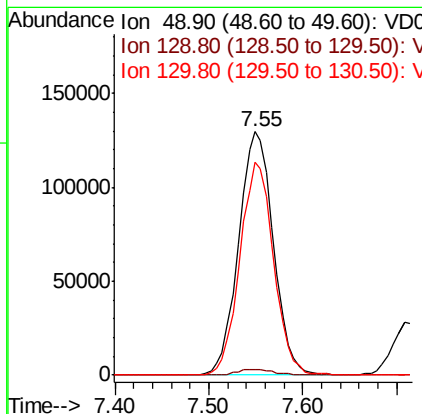
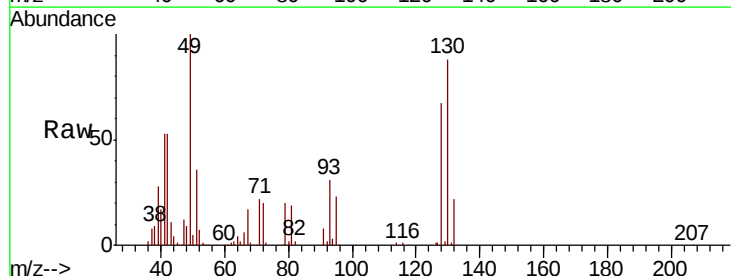
Tot Ion	96	Resp	534749
Ion Ratio	Lower	Upper	
96	100		
61	138.9	0.0	279.6
98	64.0	0.0	129.2

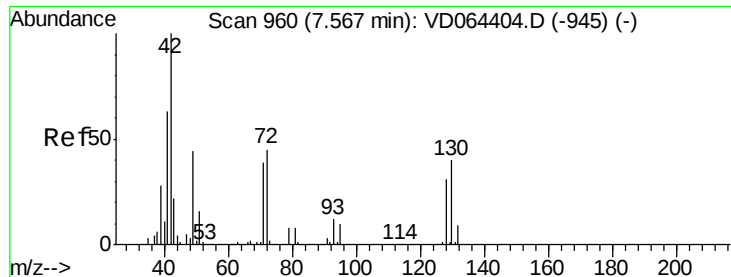


#28

Bromochloromethane
Concen: 120.373 ug/l
RT: 7.55 min Scan# 957
Delta R.T. 0.01 min
Lab File: VD064398.D
Acq: 27 Nov 2019 16:03

Tgt Ion	49	Resp	331209
Ion Ratio	Lower	Upper	
49	100		
129	2.4	0.0	4.4
130	85.0	67.4	101.0

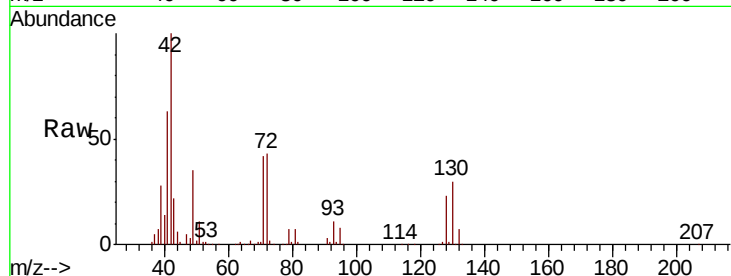




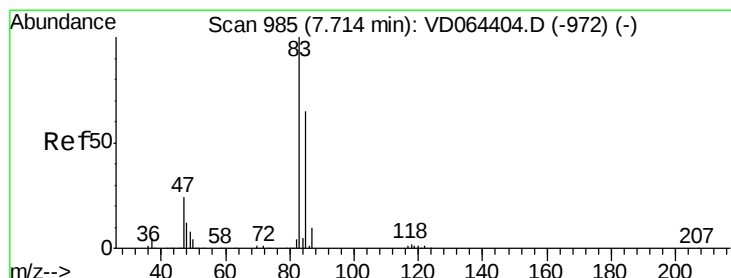
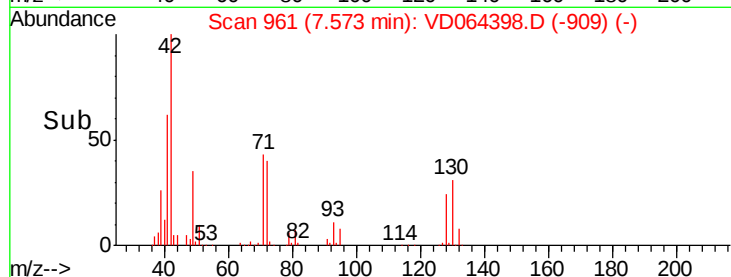
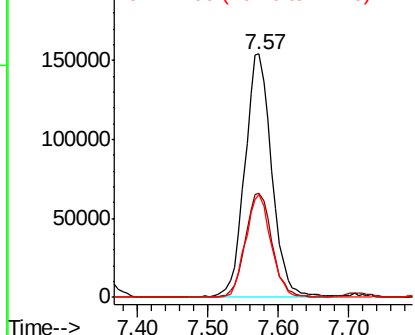
#29
Tetrahydrofuran
Concen: 517.925 ug/l
RT: 7.57 min Scan# 961
Delta R.T. 0.01 min
Lab File: VD064398.D
Acq: 27 Nov 2019 16:03

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 42 Resp: 410936
Ion Ratio Lower Upper
42 100
72 42.5 35.8 53.8
71 39.9 32.7 49.1

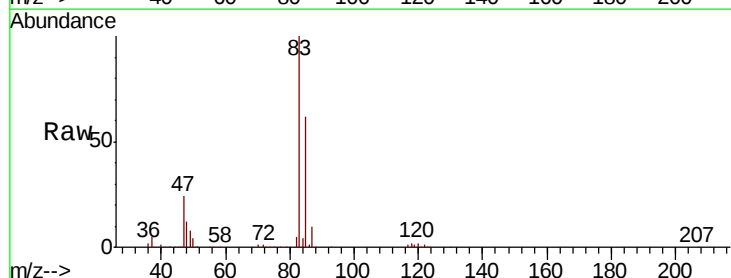


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

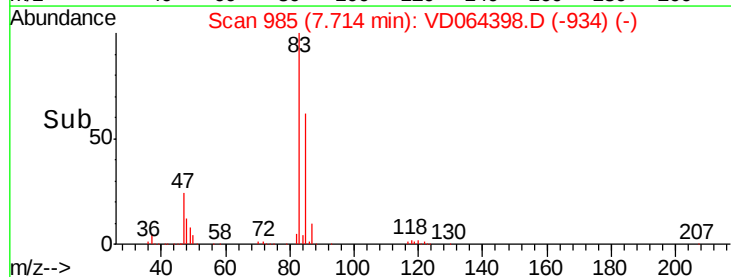
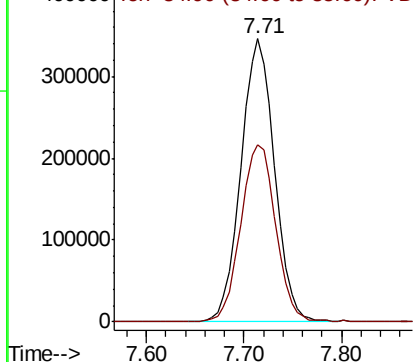


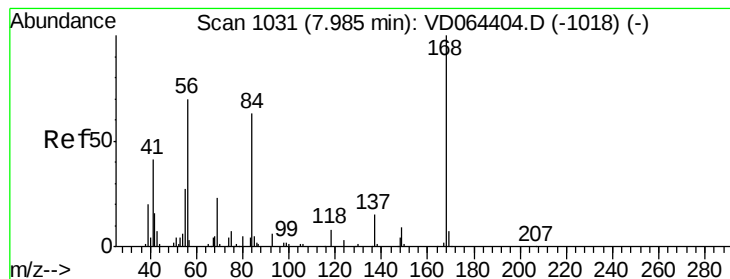
#30
Chloroform
Concen: 100.170 ug/l
RT: 7.71 min Scan# 985
Delta R.T. -0.00 min
Lab File: VD064398.D
Acq: 27 Nov 2019 16:03

Tgt Ion: 83 Resp: 835247
Ion Ratio Lower Upper
83 100
85 62.4 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: 114.274 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD064398.D

Acq: 27 Nov 2019 16:03

Instrument :
MSVOA_D
ClientSampleId :

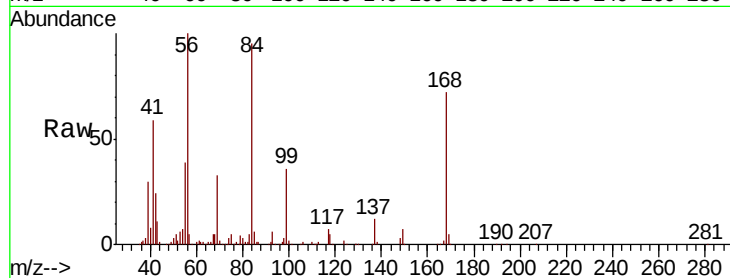
Tot Ion: 56 Resp: 761808

Ion Ratio Lower Upper

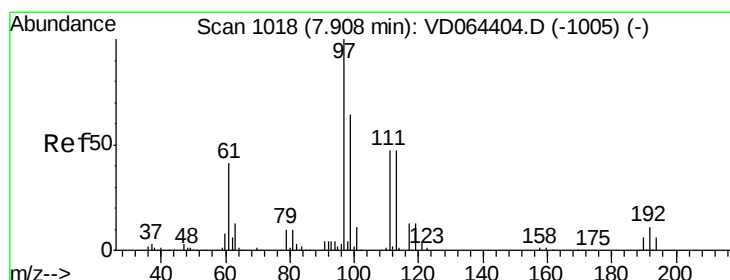
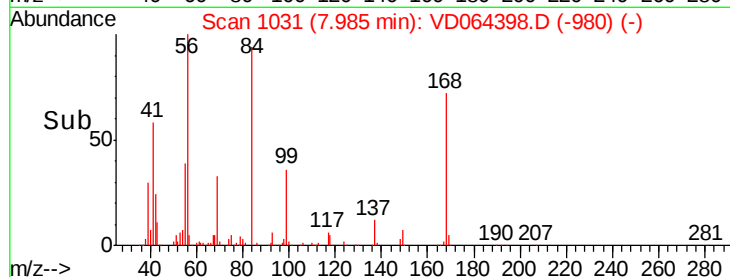
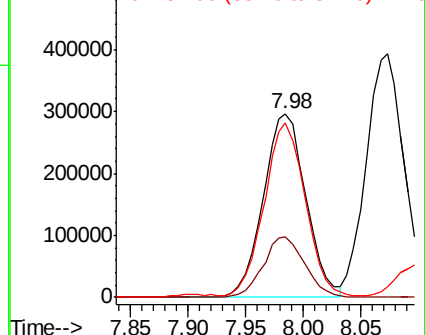
56 100

69 32.9 26.2 39.4

84 93.4 70.3 105.5



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



#32

1,1,1-Trichloroethane

Concen: 101.477 ug/l

RT: 7.90 min Scan# 1017

Delta R.T. -0.01 min

Lab File: VD064398.D

Acq: 27 Nov 2019 16:03

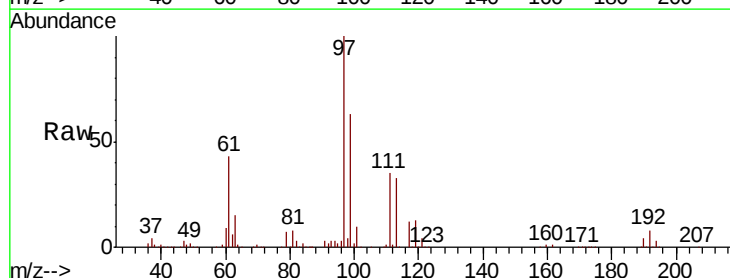
Tgt Ion: 97 Resp: 784472

Ion Ratio Lower Upper

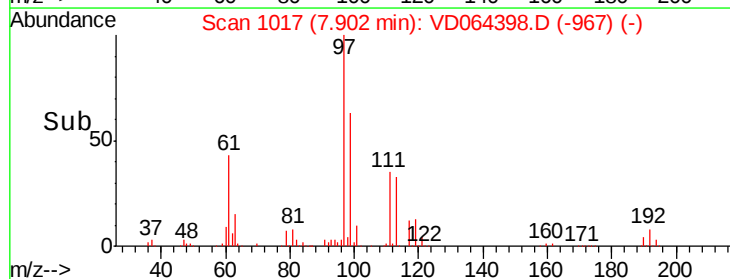
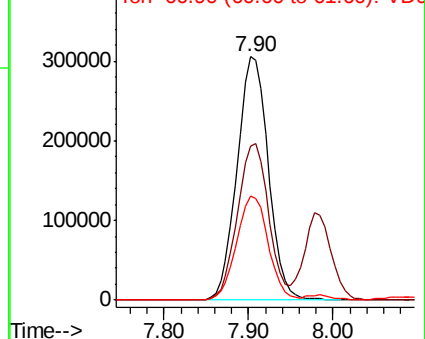
97 100

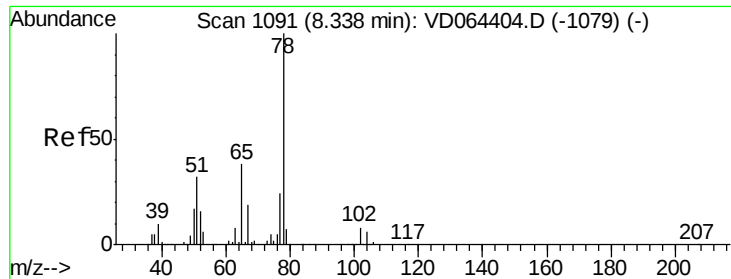
99 64.5 51.4 77.2

61 43.3 35.0 52.4



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

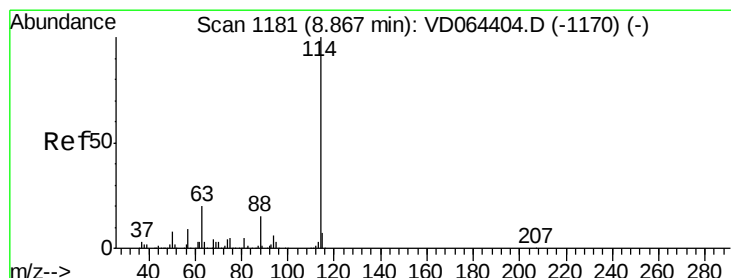
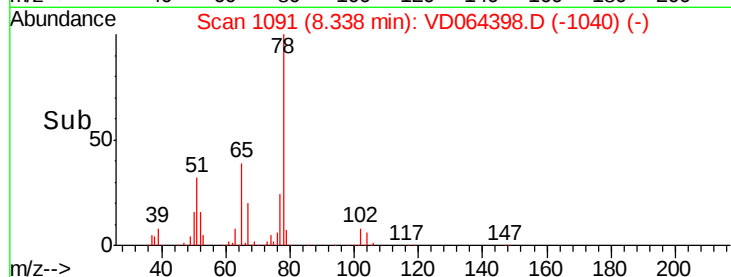
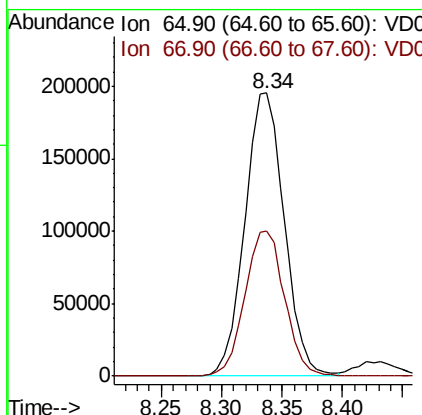
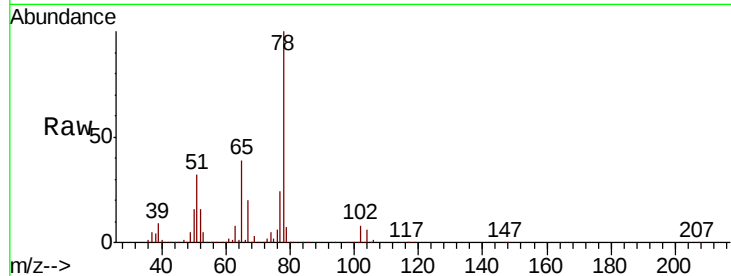




#33
 1,2-Dichloroethane-d4
 Concen: 102.031 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. -0.00 min
 Lab File: VD064398.D
 Acq: 27 Nov 2019 16:03

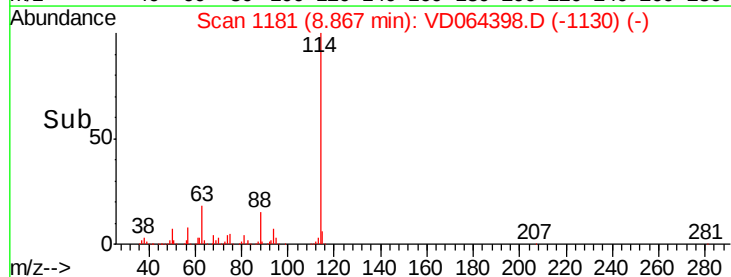
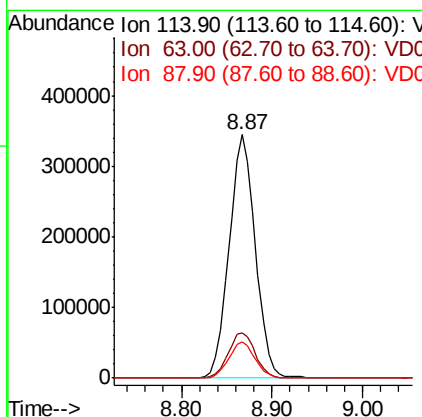
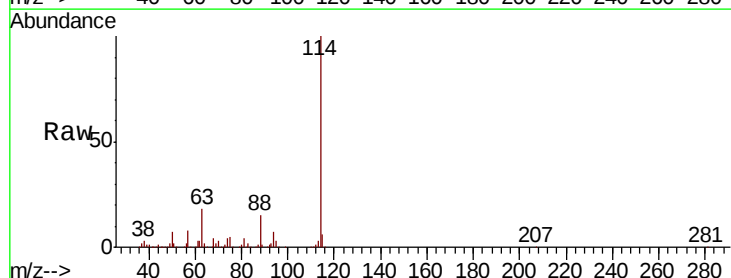
Instrument :
 MSVOA_D
 ClientSampled :

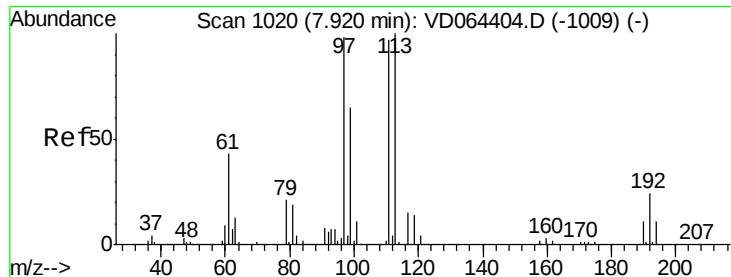
Tot Ion: 65 Resp: 445238
 Ion Ratio Lower Upper
 65 100
 67 51.9 0.0 102.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD064398.D
 Acq: 27 Nov 2019 16:03

Tgt Ion: 114 Resp: 690921
 Ion Ratio Lower Upper
 114 100
 63 18.3 0.0 40.0
 88 14.8 0.0 29.2

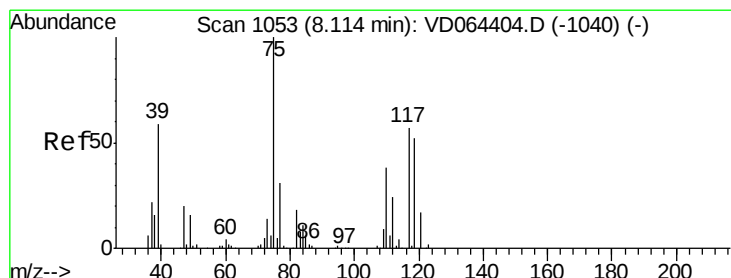
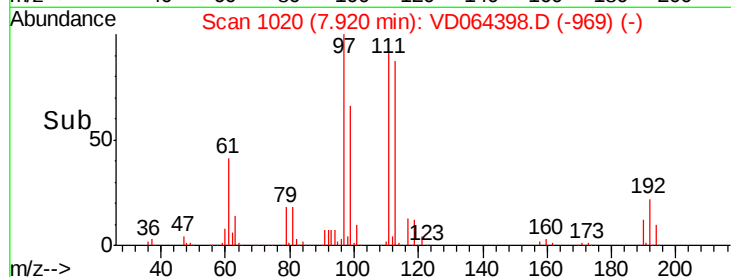
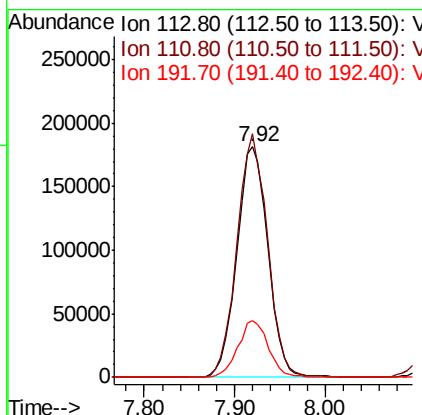
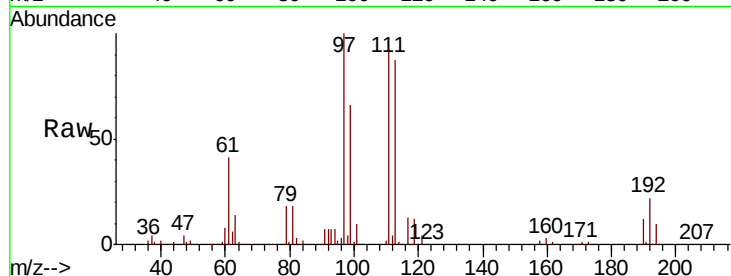




#35
 Dibromofluoromethane
 Concen: 99.670 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. -0.00 min
 Lab File: VD064398.D
 Acq: 27 Nov 2019 16:03

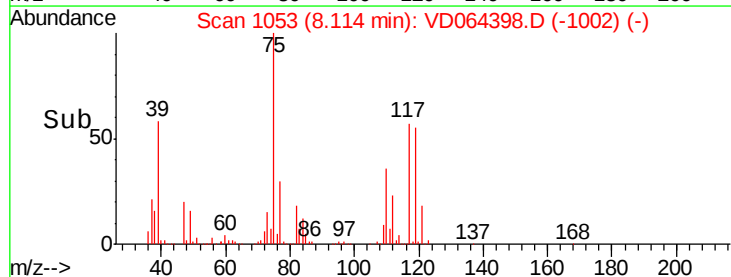
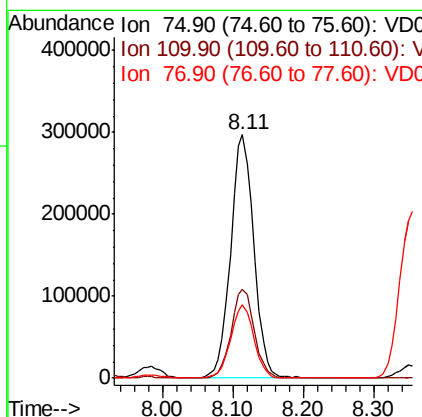
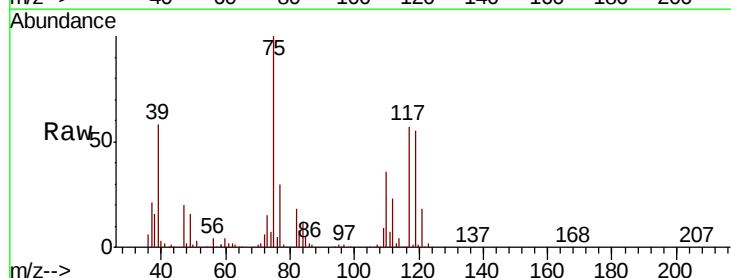
Instrument :
 MSVOA_D
 ClientSampled :

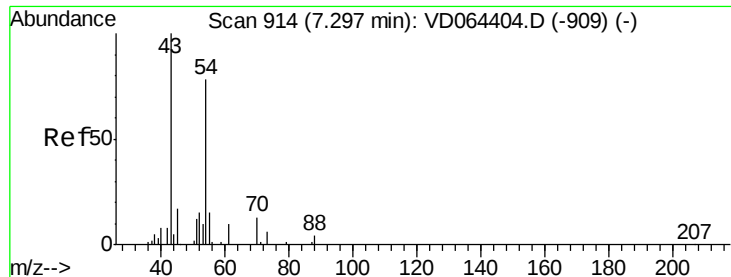
Tot Ion:113 Resp: 433877
 Ion Ratio Lower Upper
 113 100
 111 103.7 79.4 119.2
 192 24.0 18.6 28.0



#36
 1,1-Dichloropropene
 Concen: 103.568 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. -0.00 min
 Lab File: VD064398.D
 Acq: 27 Nov 2019 16:03

Tgt Ion: 75 Resp: 676836
 Ion Ratio Lower Upper
 75 100
 110 36.2 18.6 55.8
 77 30.4 25.0 37.4

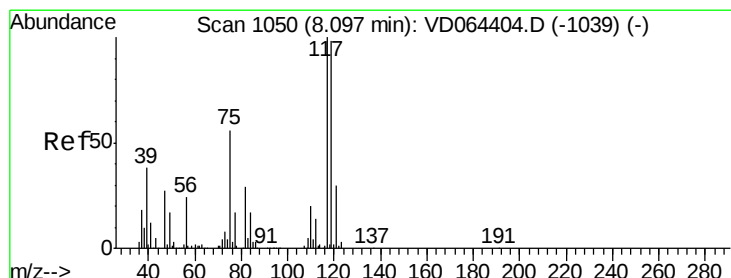
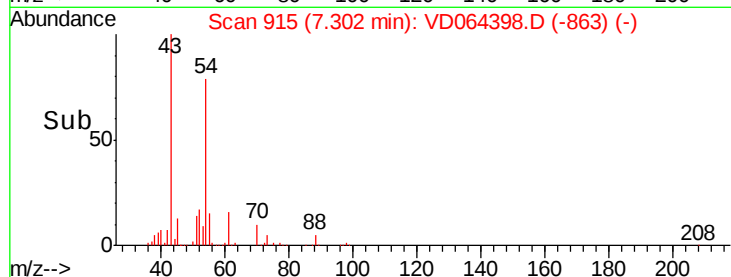
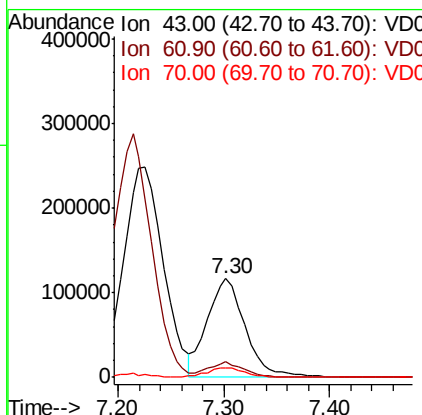
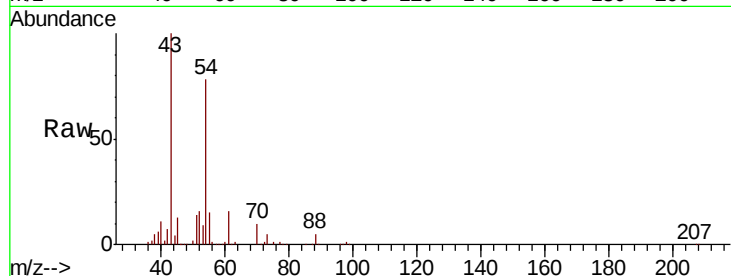




#37
Ethyl Acetate
Concen: 103.767 ug/l
RT: 7.30 min Scan# 915
Delta R.T. 0.01 min
Lab File: VD064398.D
Acq: 27 Nov 2019 16:03

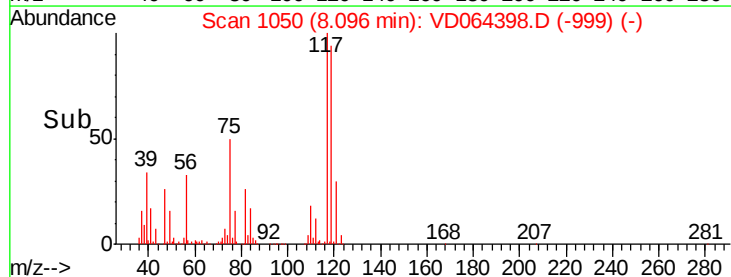
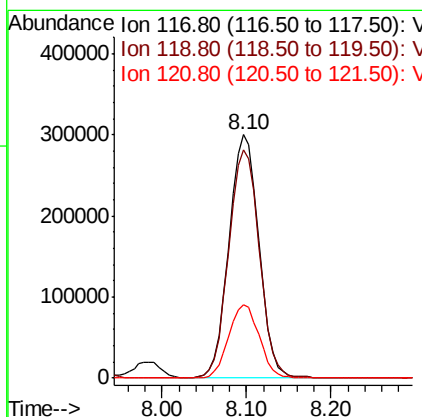
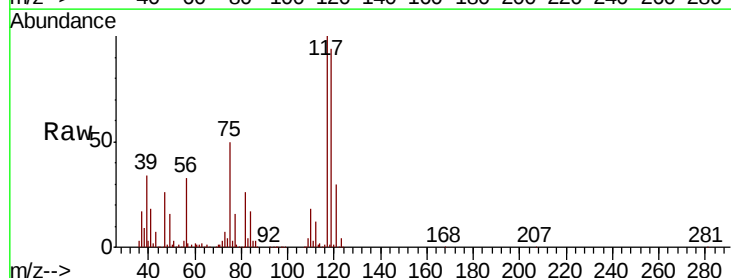
Instrument :
MSVOA_D
ClientSampleId :

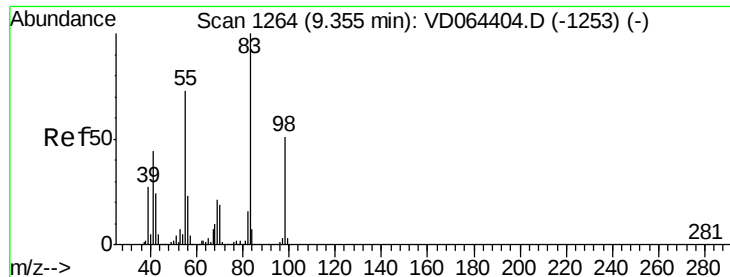
Tot Ion: 43 Resp: 287746
Ion Ratio Lower Upper
43 100
61 14.5 10.9 16.3
70 9.8 8.3 12.5



#38
Carbon Tetrachloride
Concen: 105.994 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VD064398.D
Acq: 27 Nov 2019 16:03

Tgt Ion: 117 Resp: 731080
Ion Ratio Lower Upper
117 100
119 93.8 78.8 118.2
121 30.4 24.2 36.2

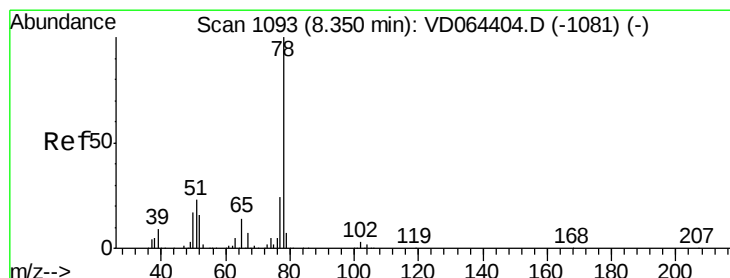
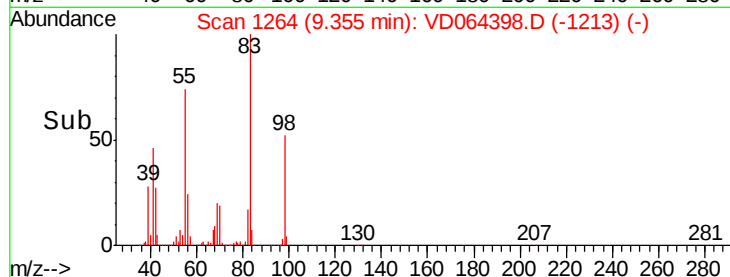
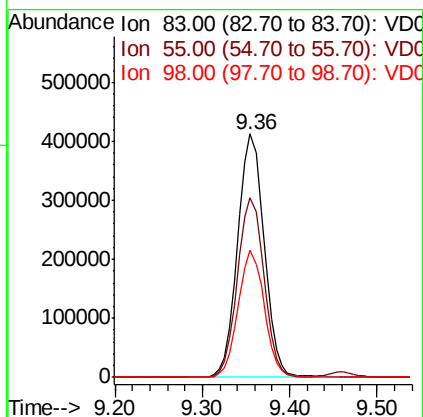
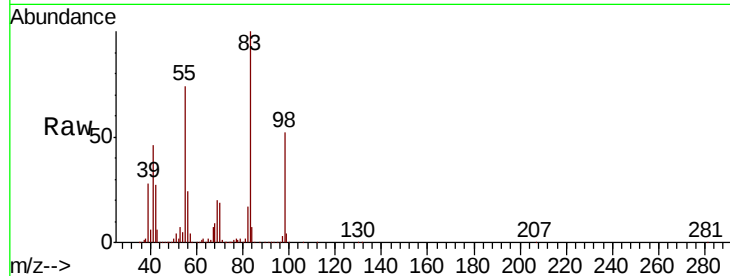




#39
Methvlcvclohexane
Concen: 104.223 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VD064398.D
Acq: 27 Nov 2019 16:03

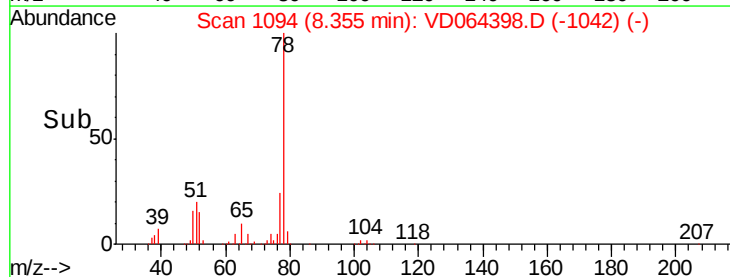
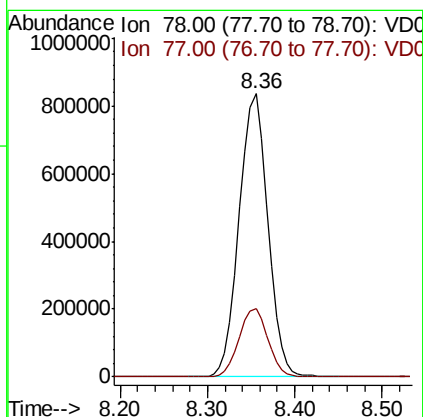
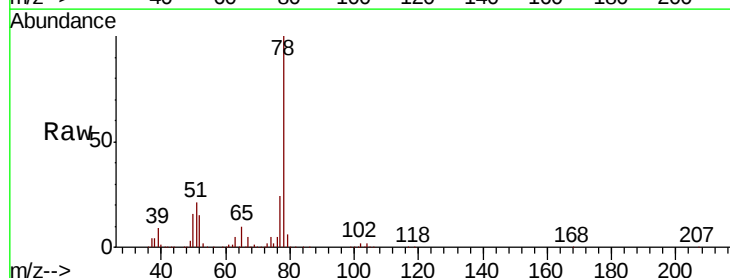
Instrument :
MSVOA_D
ClientSampled :

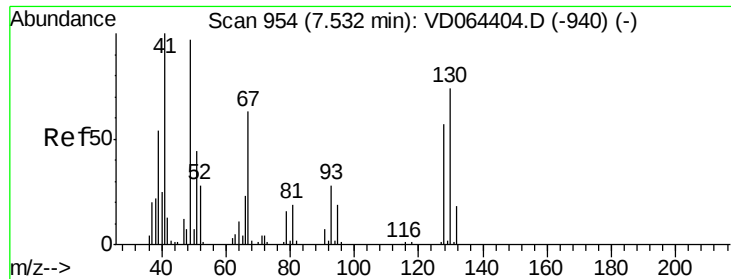
Tot Ion: 83 Resp: 844888
Ion Ratio Lower Upper
83 100
55 73.7 58.6 87.8
98 52.4 40.9 61.3



#40
Benzene
Concen: 102.322 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.01 min
Lab File: VD064398.D
Acq: 27 Nov 2019 16:03

Tgt Ion: 78 Resp: 1857242
Ion Ratio Lower Upper
78 100
77 24.4 19.6 29.4

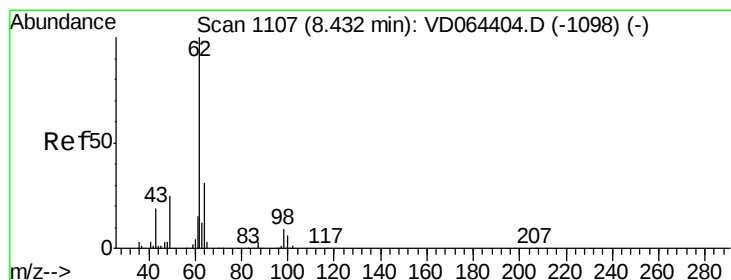
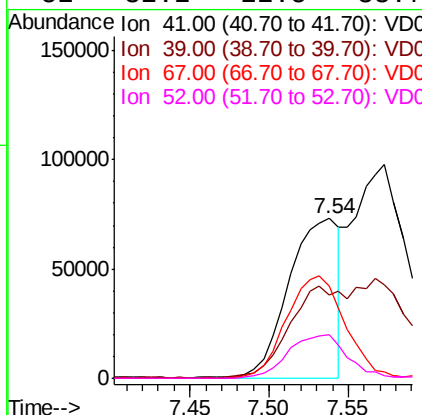
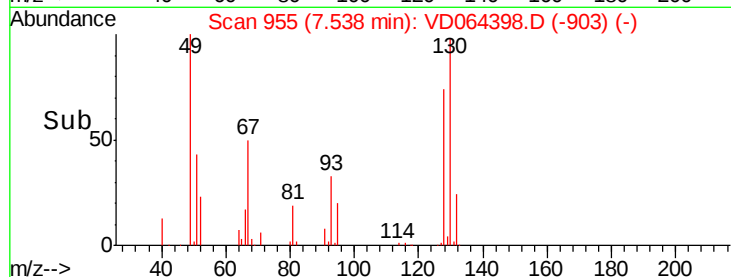
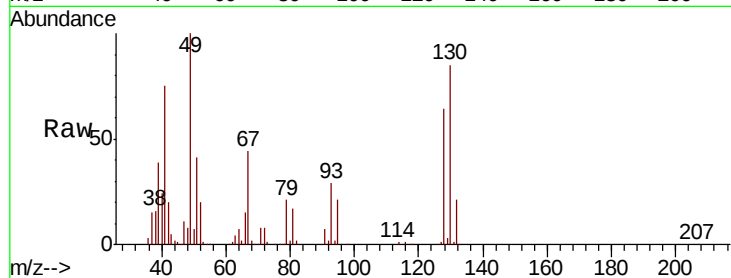




#41
Methacrylonitrile
Concen: 101.314 ug/l
RT: 7.54 min Scan# 955
Delta R.T. 0.01 min
Lab File: VD064398.D
Acq: 27 Nov 2019 16:03

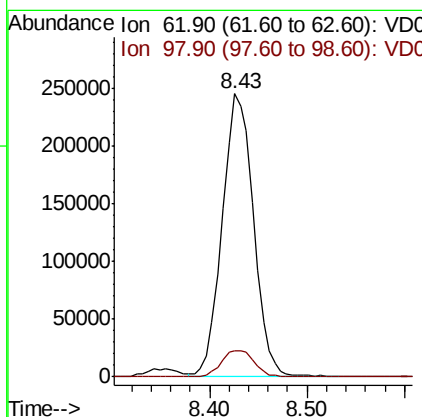
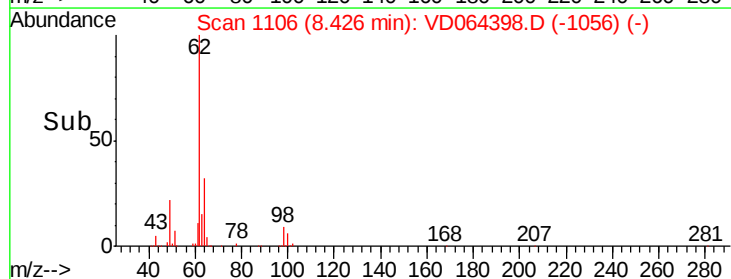
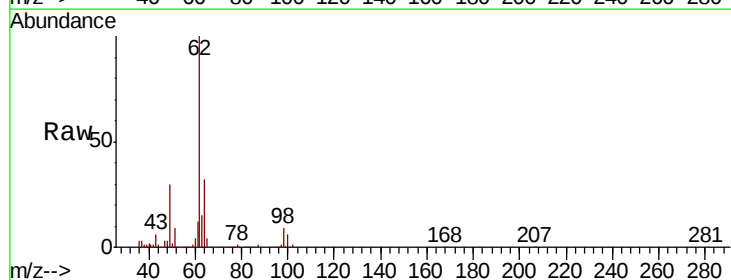
Instrument :
MSVOA_D
ClientSampled :

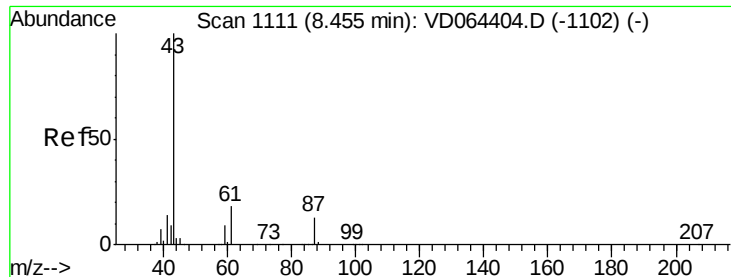
Tot Ion:	41	Resp:	161117
Ion	Ratio	Lower	Upper
41	100		
39	63.7	44.6	67.0
67	75.4	50.9	76.3
52	32.2	22.5	33.7



#42
1,2-Dichloroethane
Concen: 102.761 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. -0.01 min
Lab File: VD064398.D
Acq: 27 Nov 2019 16:03

Tgt Ion:	62	Resp:	543943
Ion	Ratio	Lower	Upper
62	100		
98	9.7	0.0	20.6





#43

Isopropyl Acetate

Concen: 106.125 ug/l

RT: 8.46 min Scan# 1112

Delta R.T. 0.01 min

Lab File: VD064398.D

Acq: 27 Nov 2019 16:03

Instrument :

MSVOA_D

ClientSampleId :

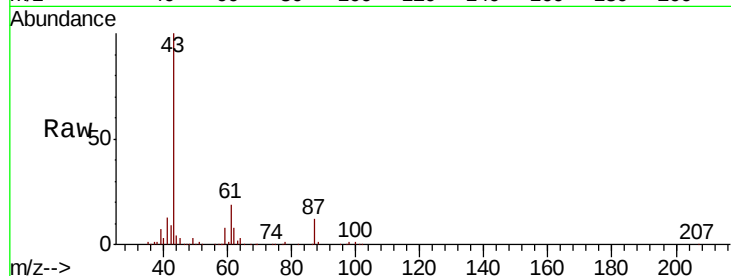
Tot Ion: 43 Resp: 578623

Ion Ratio Lower Upper

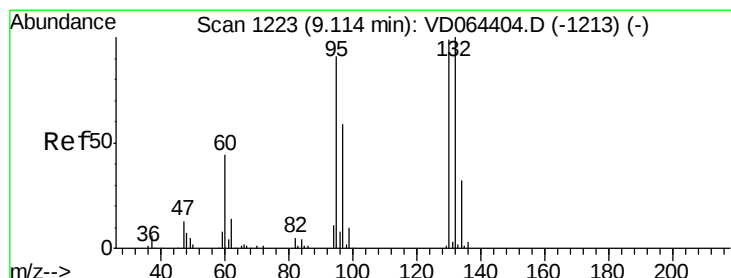
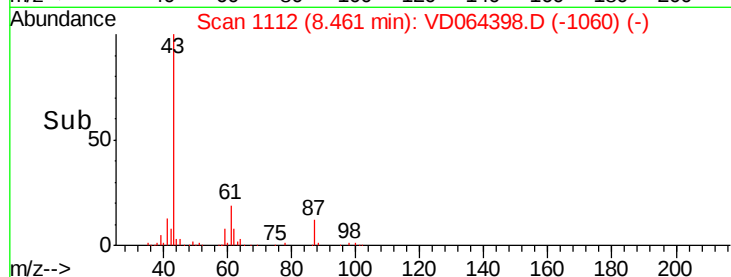
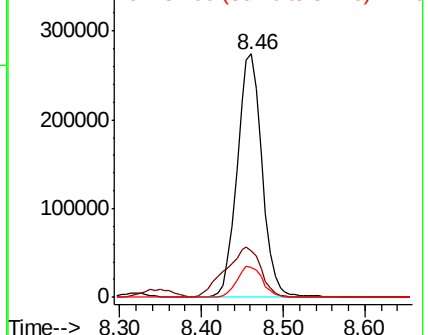
43 100

61 29.4 24.0 36.0

87 13.3 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: 100.279 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. -0.00 min

Lab File: VD064398.D

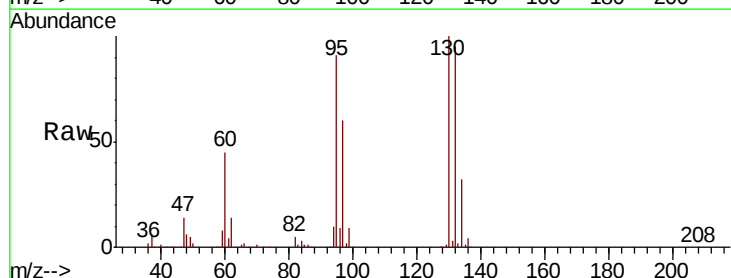
Acq: 27 Nov 2019 16:03

Tgt Ion:130 Resp: 548278

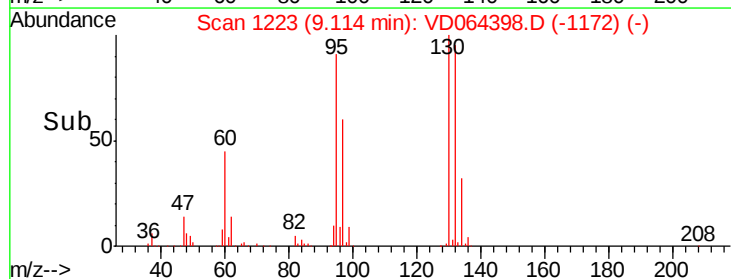
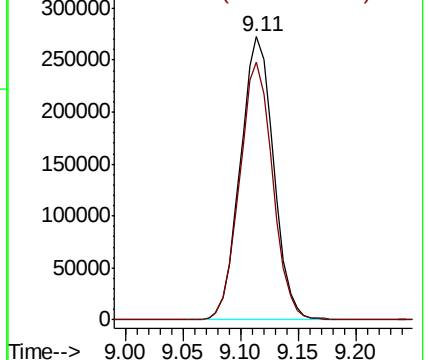
Ion Ratio Lower Upper

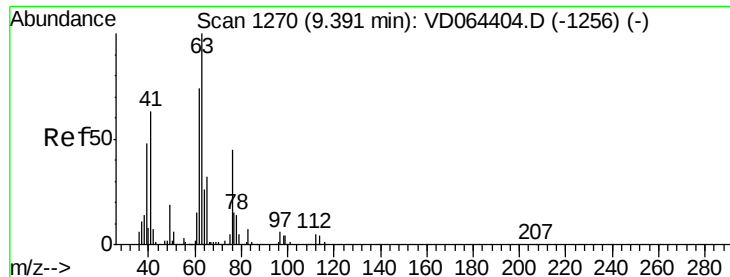
130 100

95 91.0 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: 101.547 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VD064398.D

Acq: 27 Nov 2019 16:03

Instrument :

MSVOA_D

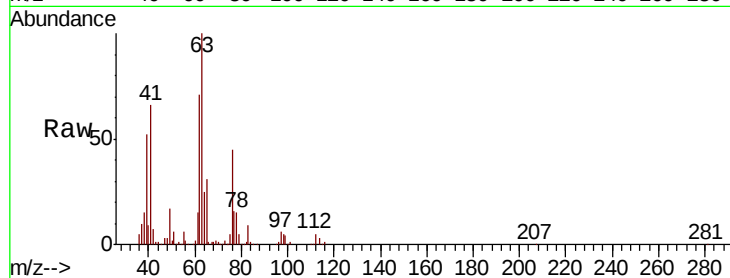
ClientSampleId :

Tot Ion: 63 Resp: 440809

Ion Ratio Lower Upper

63 100

65 31.0 25.4 38.0



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC

250000

200000

150000

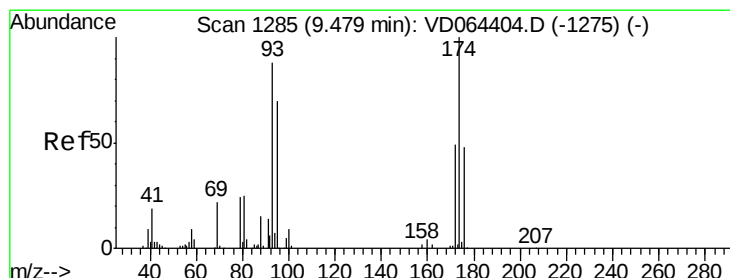
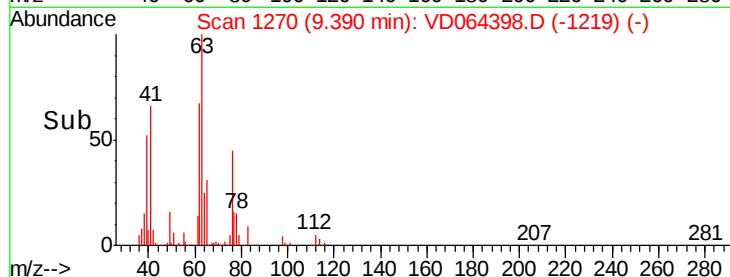
100000

50000

0

9.30 9.40 9.50

Time-->



#46

Dibromomethane

Concen: 102.939 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. -0.00 min

Lab File: VD064398.D

Acq: 27 Nov 2019 16:03

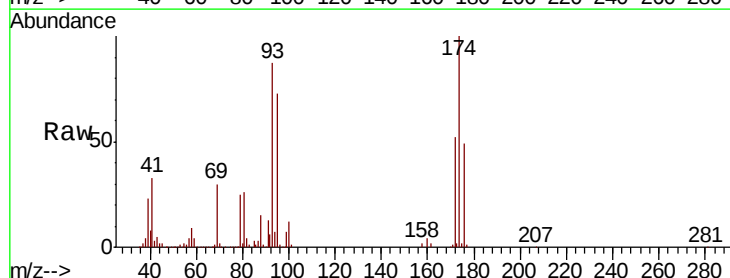
Tgt Ion: 93 Resp: 252202

Ion Ratio Lower Upper

93 100

95 82.7 66.7 100.1

174 117.7 92.3 138.5



Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): V

200000

150000

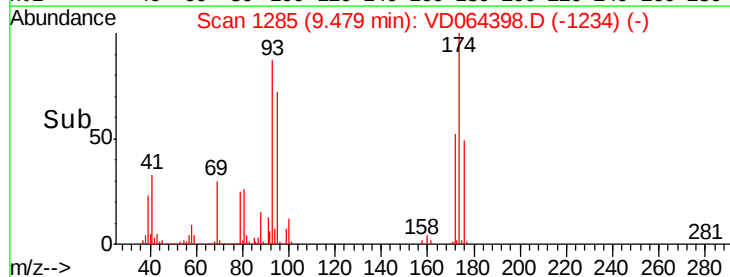
100000

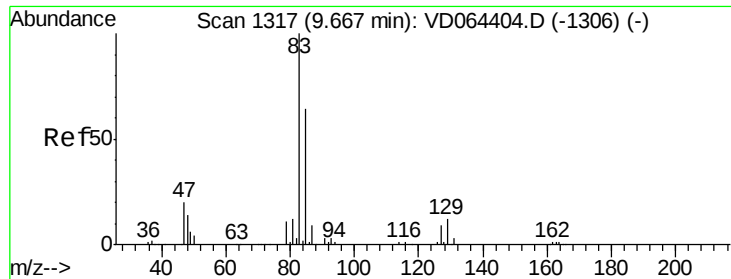
50000

0

9.40 9.50 9.60

Time-->





#47

Bromodichloromethane

Concen: 103.654 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. -0.00 min

Lab File: VD064398.D

Acq: 27 Nov 2019 16:03

Instrument :

MSVOA_D

ClientSampleId :

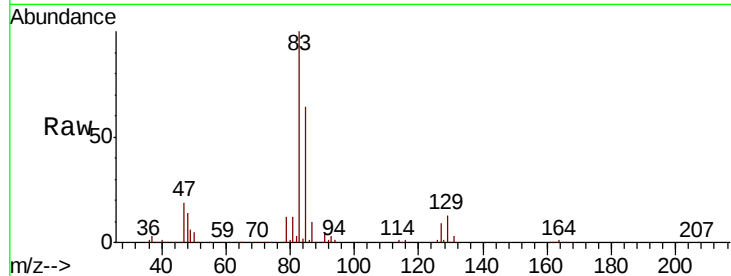
Tot Ion: 83 Resp: 652527

Ion Ratio Lower Upper

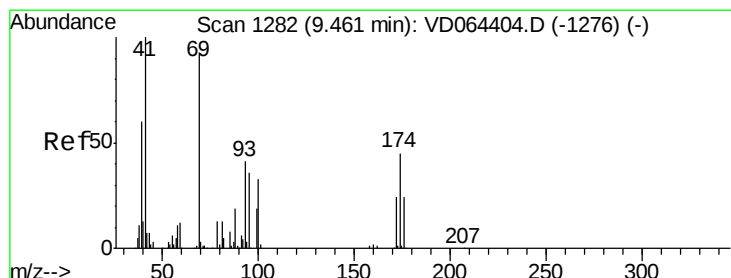
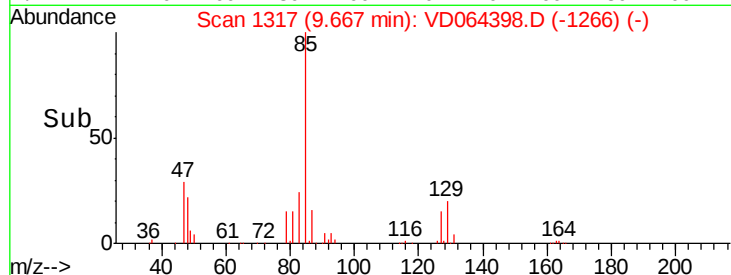
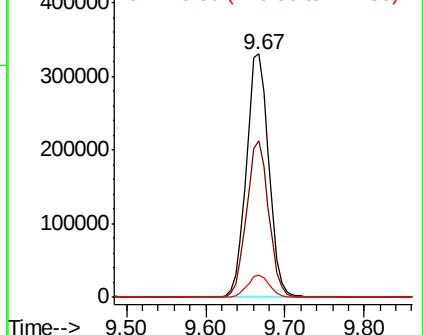
83 100

85 64.1 51.1 76.7

127 9.3 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: 108.505 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. -0.00 min

Lab File: VD064398.D

Acq: 27 Nov 2019 16:03

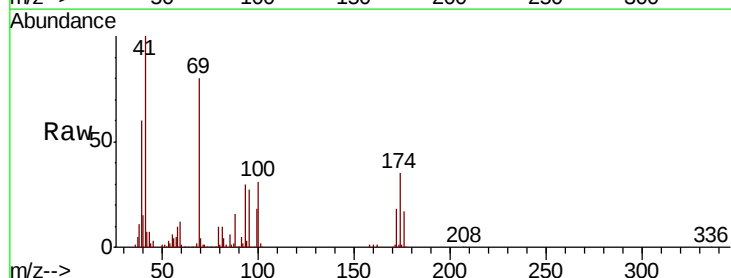
Tgt Ion: 41 Resp: 270710

Ion Ratio Lower Upper

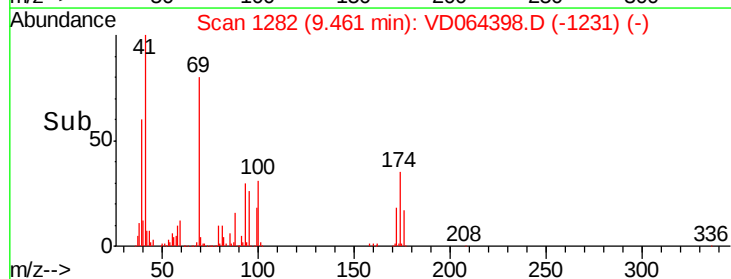
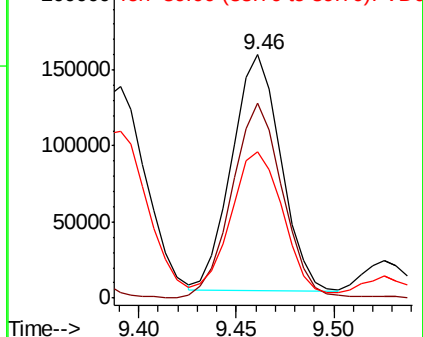
41 100

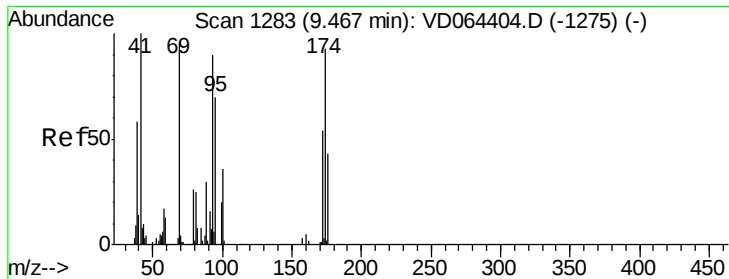
69 84.5 72.0 108.0

39 62.2 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

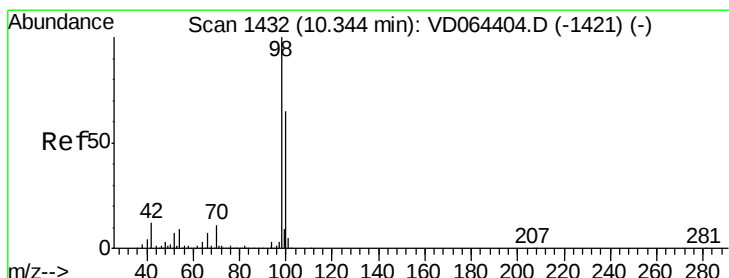
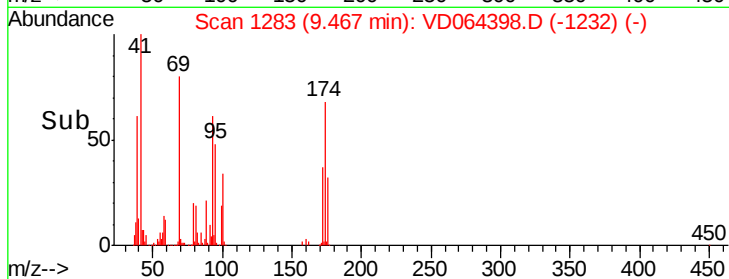
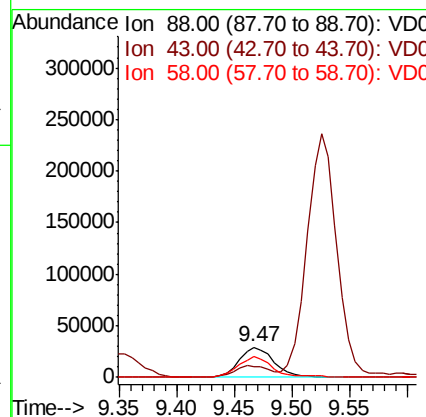
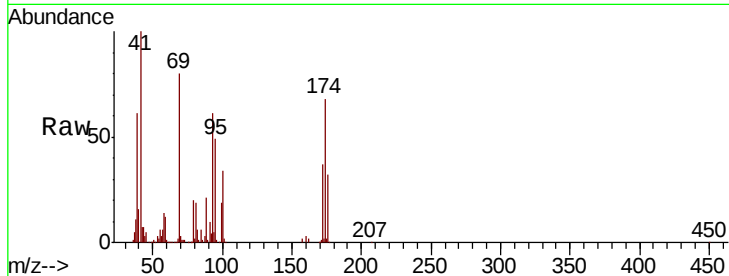




#49
1,4-Dioxane
Concen: 2050.401 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VD064398.D
Acq: 27 Nov 2019 16:03

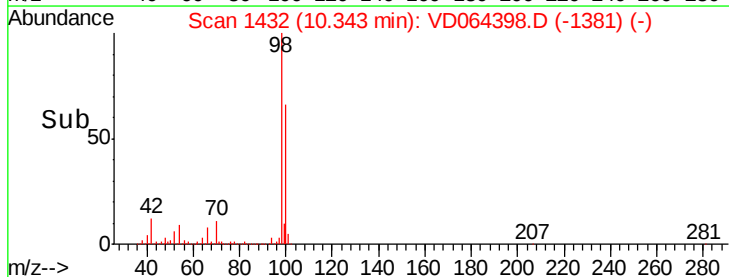
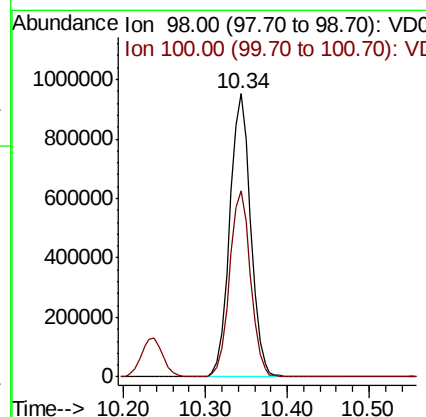
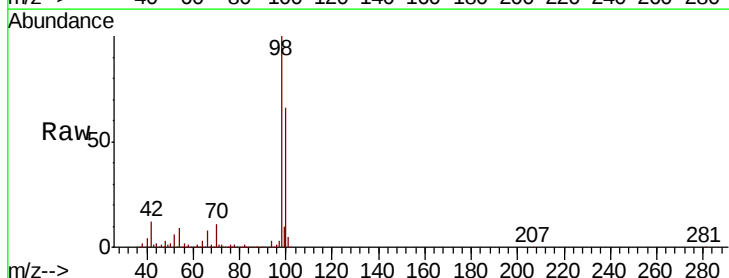
Instrument :
MSVOA_D
ClientSampleId :

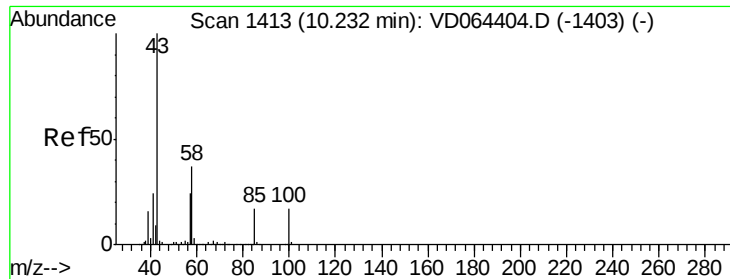
Tot Ion: 88 Resp: 62033
Ion Ratio Lower Upper
88 100
43 37.5 26.7 40.1
58 67.7 52.3 78.5



#50
Toluene-d8
Concen: 103.362 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VD064398.D
Acq: 27 Nov 2019 16:03

Tgt Ion: 98 Resp: 1694914
Ion Ratio Lower Upper
98 100
100 65.7 52.6 79.0





#51

4-Methyl-2-Pentanone

Concen: 531.059 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. -0.00 min

Lab File: VD064398.D

Acq: 27 Nov 2019 16:03

Instrument :

MSVOA_D

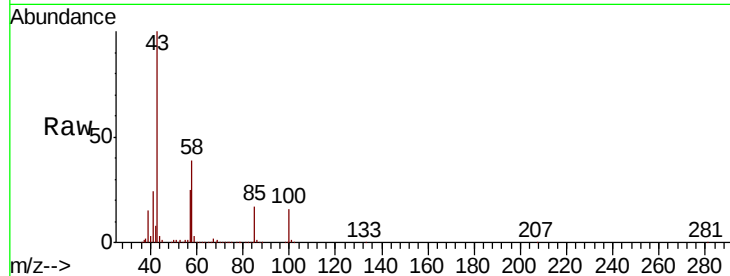
ClientSampled :

Tot Ion: 43 Resp: 1432651

Ion Ratio Lower Upper

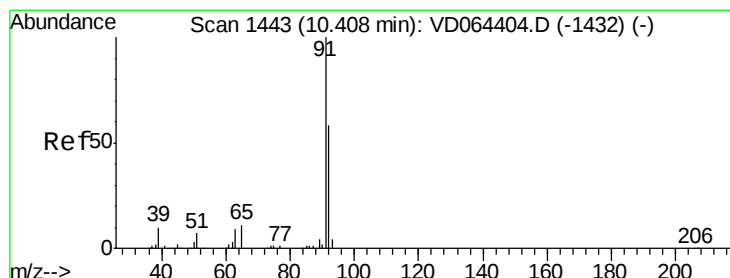
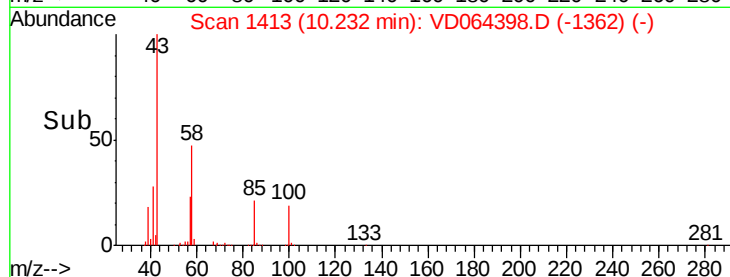
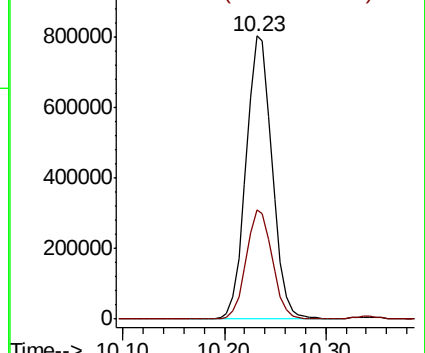
43 100

58 38.5 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: 102.715 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. -0.00 min

Lab File: VD064398.D

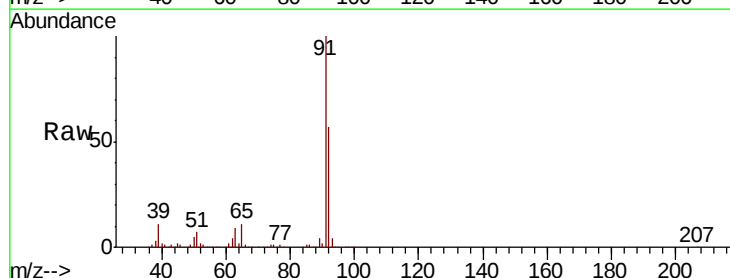
Acq: 27 Nov 2019 16:03

Tgt Ion: 92 Resp: 1215017

Ion Ratio Lower Upper

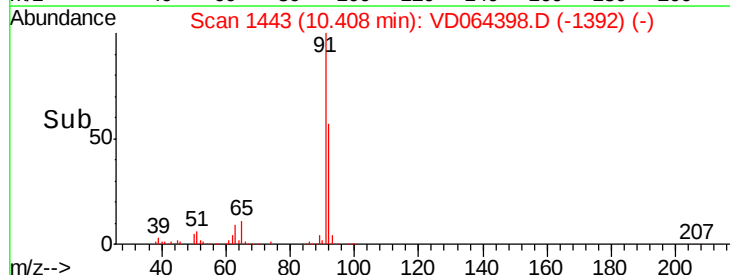
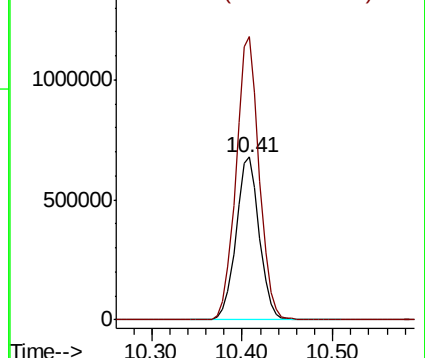
92 100

91 173.3 137.8 206.6



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: 106.518 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. -0.00 min

Lab File: VD064398.D

Acq: 27 Nov 2019 16:03

Instrument :

MSVOA_D

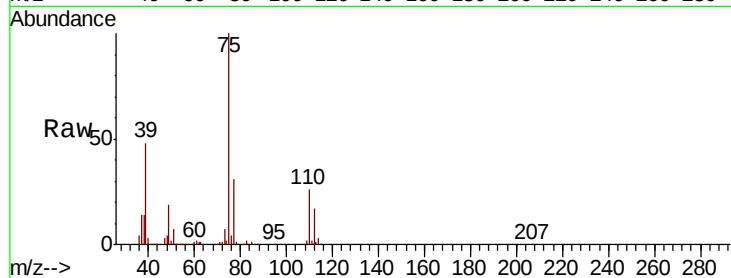
ClientSampleId :

Tot Ion: 75 Resp: 639065

Ion Ratio Lower Upper

75 100

77 30.7 25.0 37.4



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 76.90 (76.60 to 77.60): VDC

10.63

400000

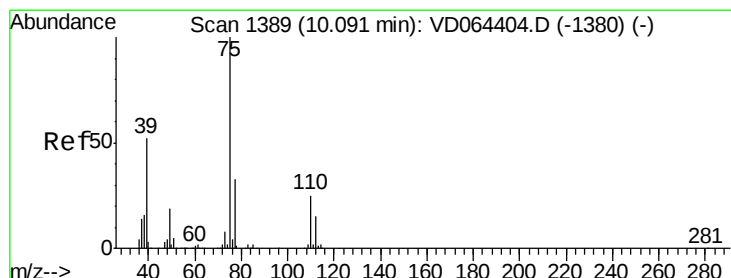
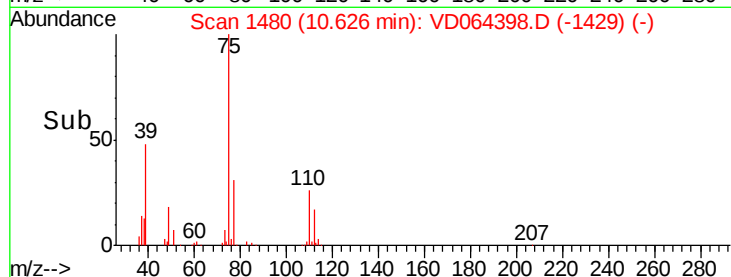
300000

200000

100000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 104.378 ug/l

RT: 10.09 min Scan# 1389

Delta R.T. -0.00 min

Lab File: VD064398.D

Acq: 27 Nov 2019 16:03

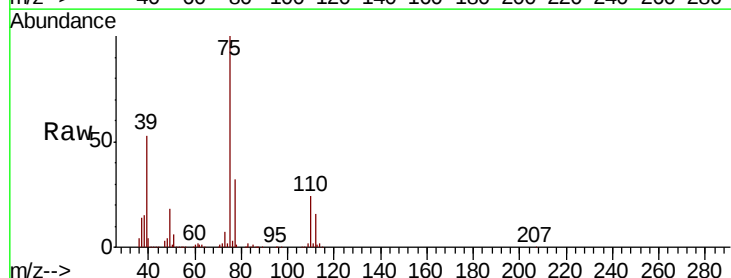
Tgt Ion: 75 Resp: 743940

Ion Ratio Lower Upper

75 100

77 31.7 26.1 39.1

39 53.4 41.5 62.3



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 76.90 (76.60 to 77.60): VDC

Ion 39.00 (38.70 to 39.70): VDC

500000

400000

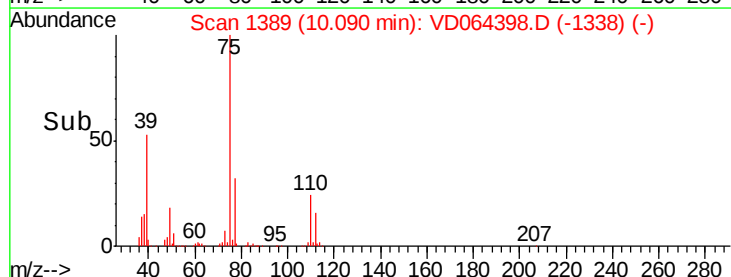
300000

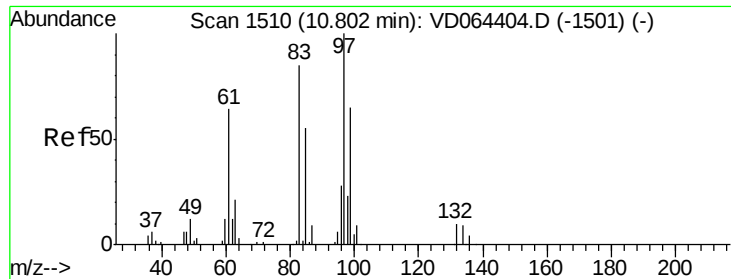
200000

100000

0

Time-->

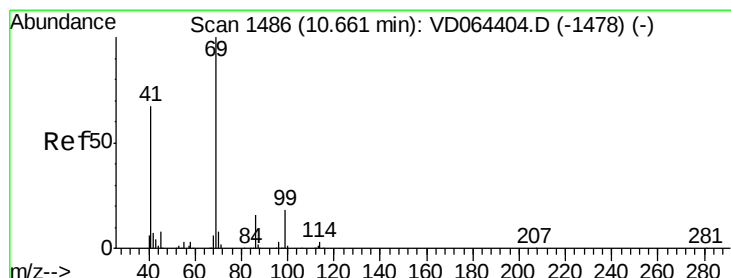
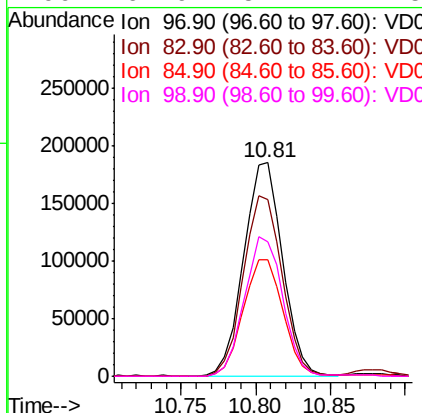
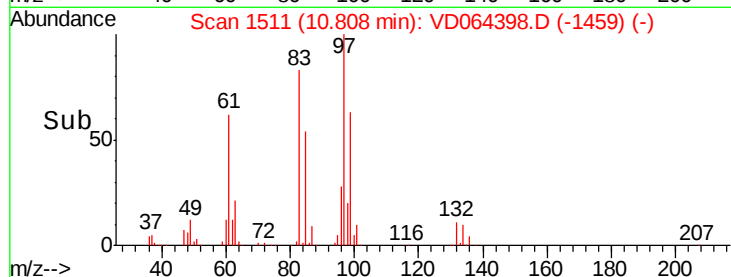
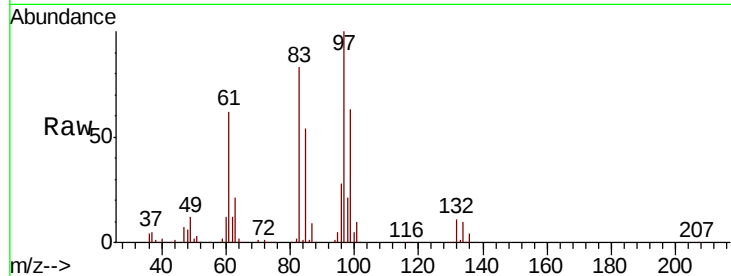




#55
 1,1,2-Trichloroethane
 Concen: 99.257 ug/l
 RT: 10.81 min Scan# 1511
 Delta R.T. 0.01 min
 Lab File: VD064398.D
 Acq: 27 Nov 2019 16:03

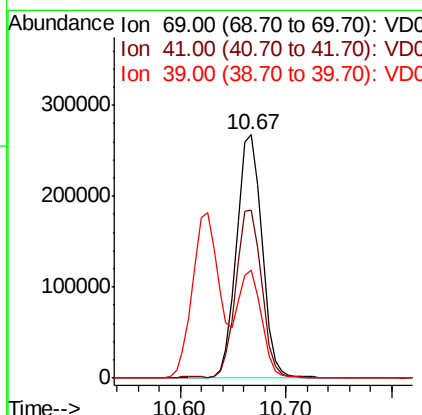
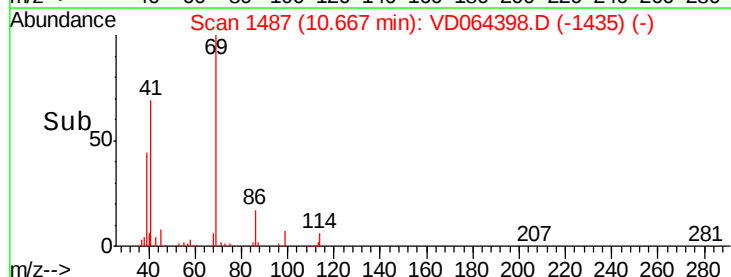
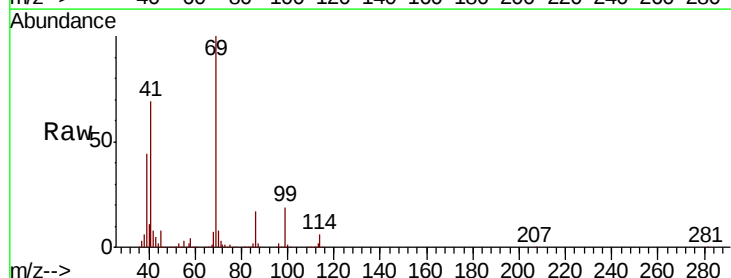
Instrument :
 MSVOA_D
 ClientSampleID :

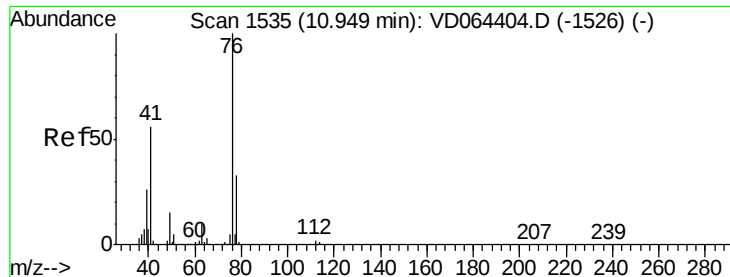
Tot Ion:	97	Resp:	332985
Ion	Ratio	Lower	Upper
97	100		
83	82.8	67.8	101.8
85	54.5	43.7	65.5
99	62.9	51.7	77.5



#56
 Ethyl methacrylate
 Concen: 104.279 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. 0.01 min
 Lab File: VD064398.D
 Acq: 27 Nov 2019 16:03

Tgt Ion:	69	Resp:	446188
Ion	Ratio	Lower	Upper
69	100		
41	70.2	55.0	82.4
39	39.1	33.0	49.6





#57

1,3-Dichloropropane

Concen: 101.980 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. -0.00 min

Lab File: VD064398.D

Acq: 27 Nov 2019 16:03

Instrument :

MSVOA_D

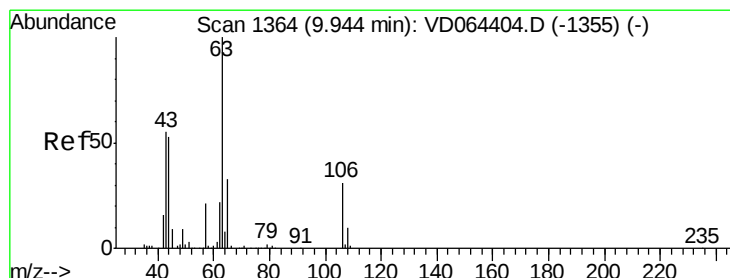
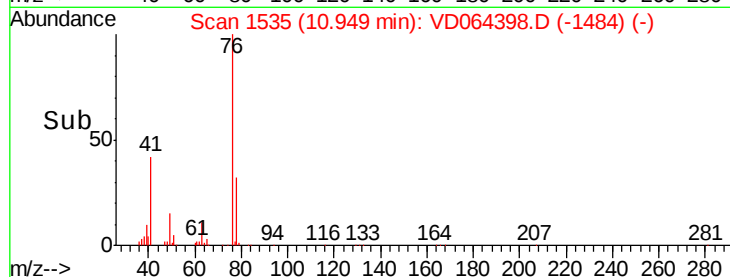
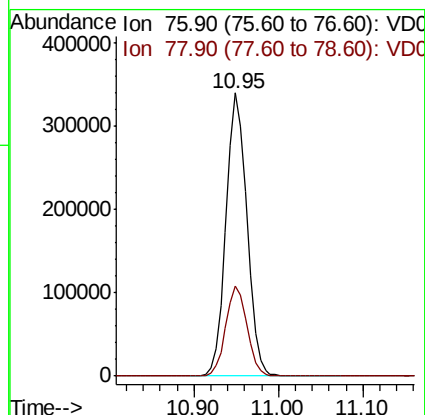
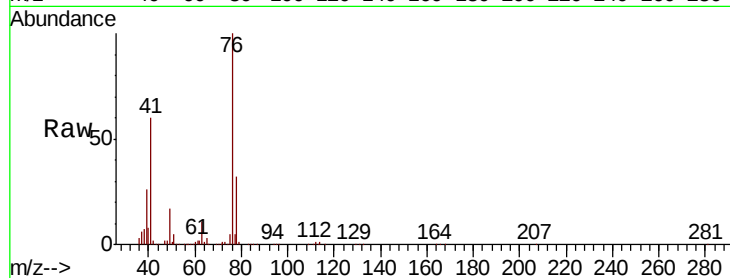
ClientSampleId :

Tot Ion: 76 Resp: 582381

Ion Ratio Lower Upper

76 100

78 32.3 26.0 39.0



#58

2-Chloroethyl Vinyl ether

Concen: 471.236 ug/l

RT: 9.94 min Scan# 1364

Delta R.T. -0.00 min

Lab File: VD064398.D

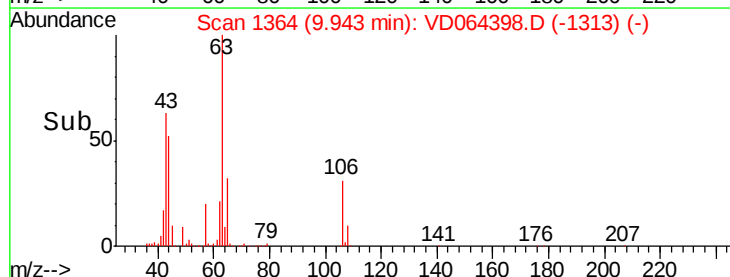
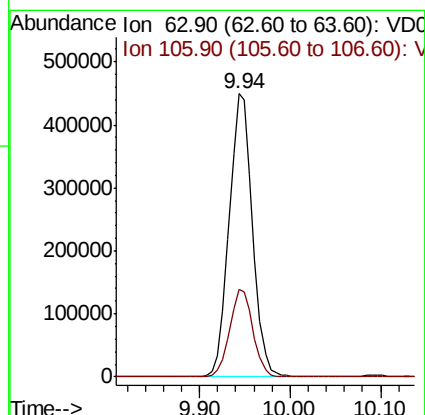
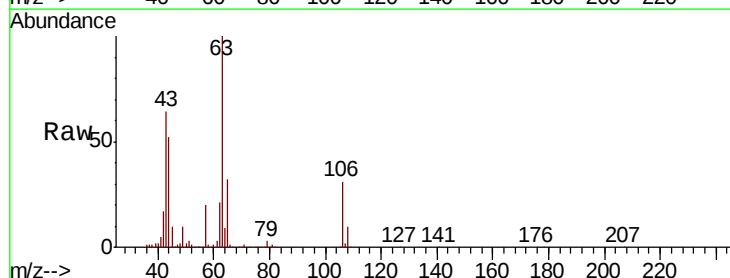
Acq: 27 Nov 2019 16:03

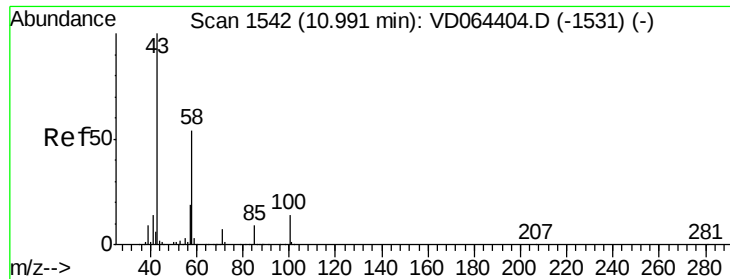
Tgt Ion: 63 Resp: 803785

Ion Ratio Lower Upper

63 100

106 30.7 24.2 36.4

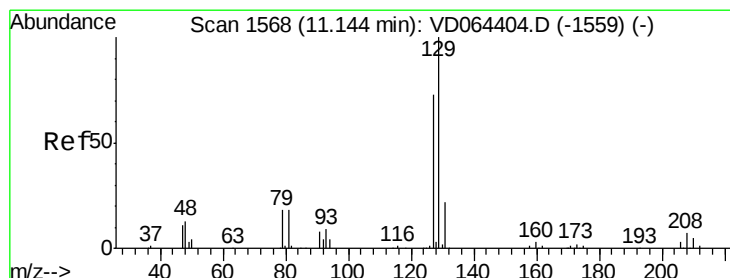
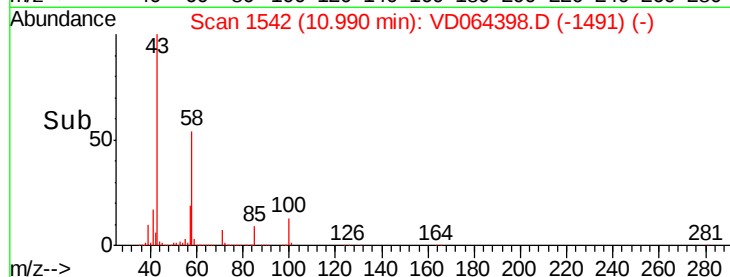
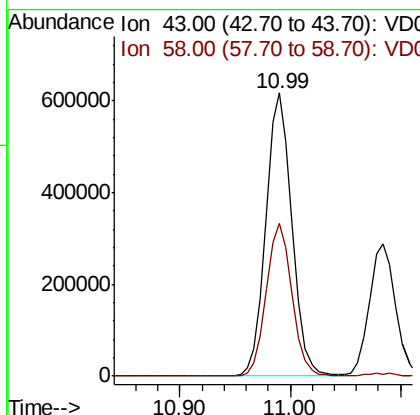
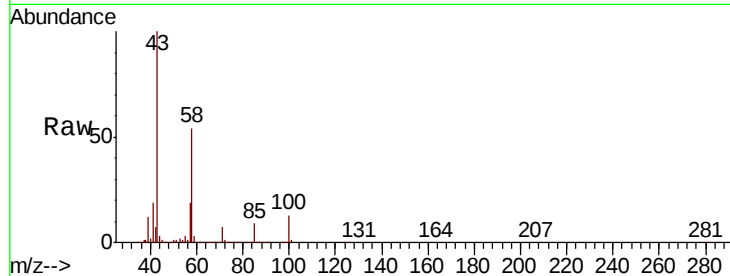




#59
2-Hexanone
Concen: 542.879 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. -0.00 min
Lab File: VD064398.D
Acq: 27 Nov 2019 16:03

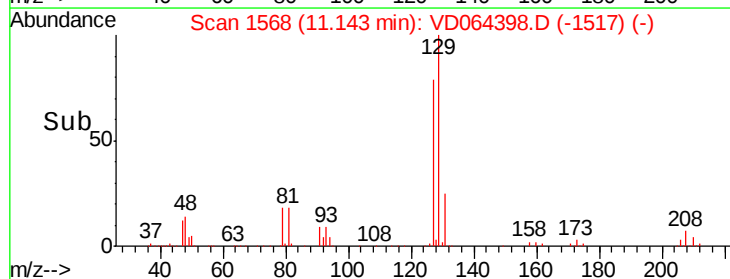
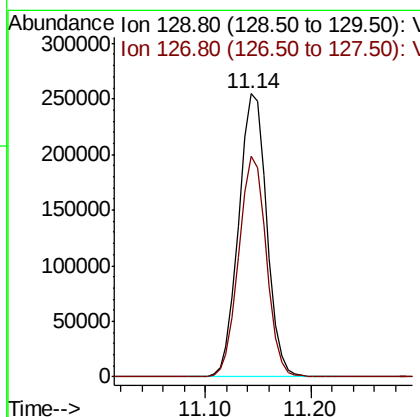
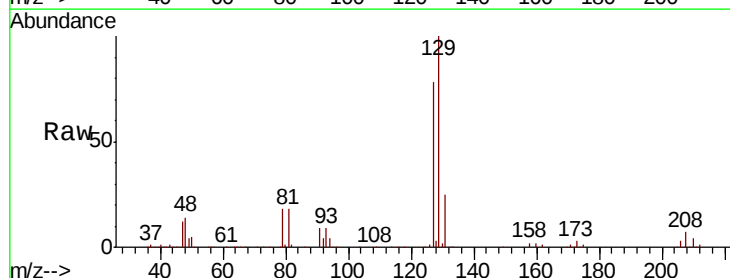
Instrument :
MSVOA_D
ClientSampleId :

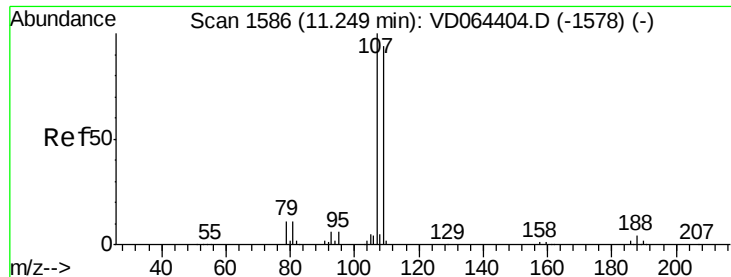
Tot Ion: 43 Resp: 1016228
Ion Ratio Lower Upper
43 100
58 53.6 26.3 78.8



#60
Dibromochloromethane
Concen: 103.202 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VD064398.D
Acq: 27 Nov 2019 16:03

Tgt Ion: 129 Resp: 469422
Ion Ratio Lower Upper
129 100
127 76.7 38.1 114.3

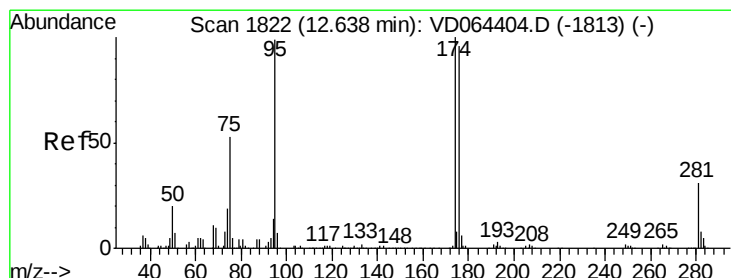
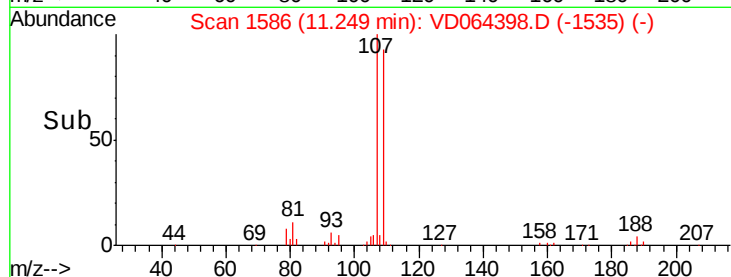
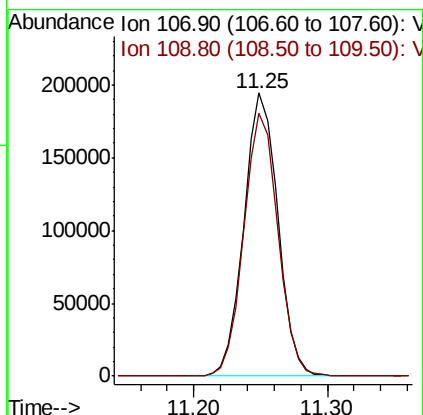
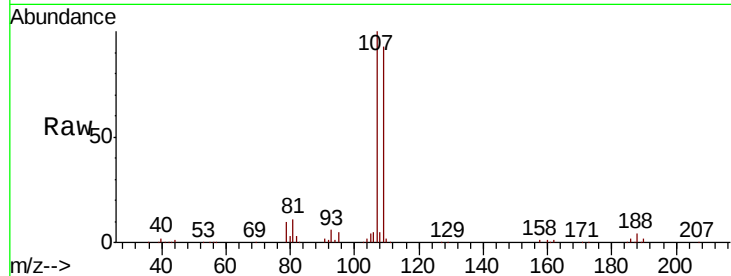




#61
 1,2-Dibromoethane
 Concen: 101.969 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. -0.00 min
 Lab File: VD064398.D
 Acq: 27 Nov 2019 16:03

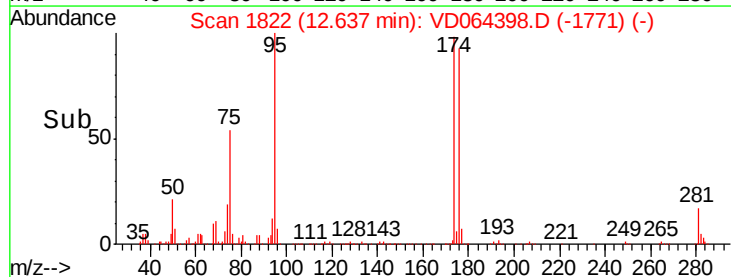
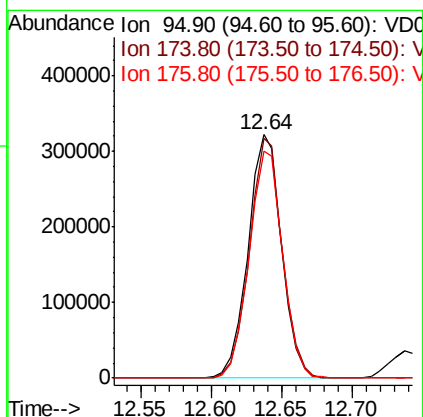
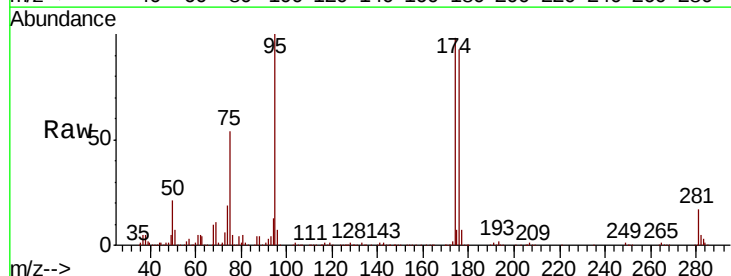
Instrument :
 MSVOA_D
 ClientSampleId :

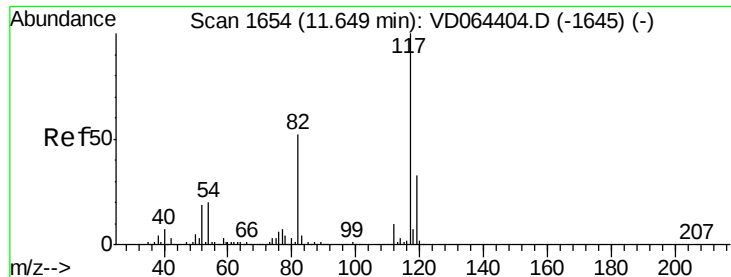
Tot Ion:107 Resp: 341556
 Ion Ratio Lower Upper
 107 100
 109 93.5 76.2 114.2



#62
 4-Bromofluorobenzene
 Concen: 101.227 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. -0.00 min
 Lab File: VD064398.D
 Acq: 27 Nov 2019 16:03

Tgt Ion: 95 Resp: 533447
 Ion Ratio Lower Upper
 95 100
 174 96.9 0.0 197.2
 176 94.1 0.0 189.6

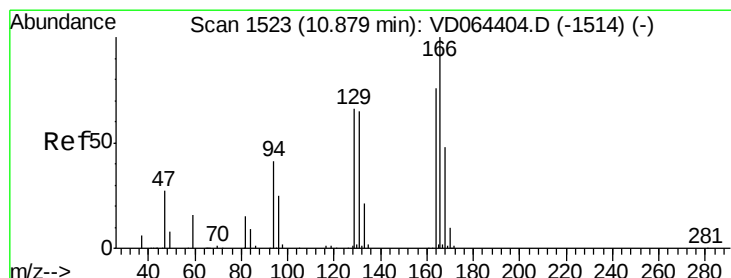
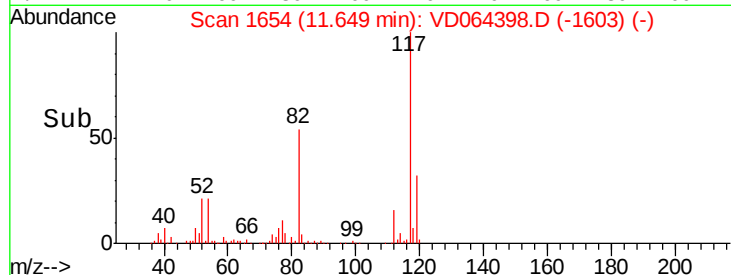
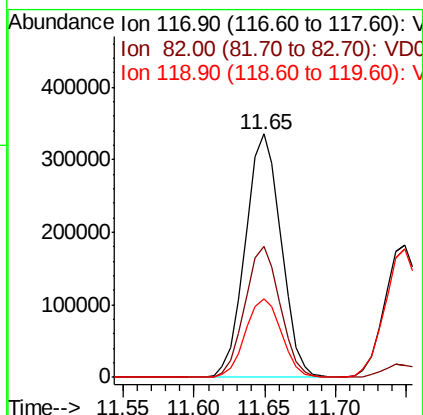
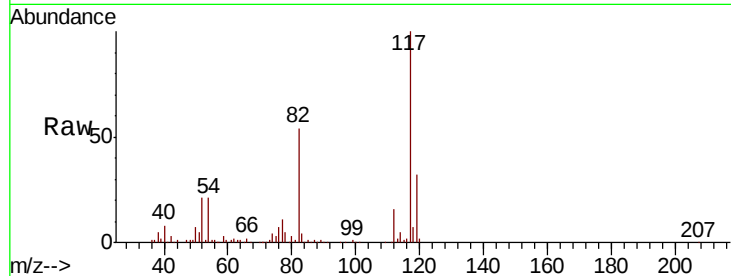




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD064398.D
Acq: 27 Nov 2019 16:03

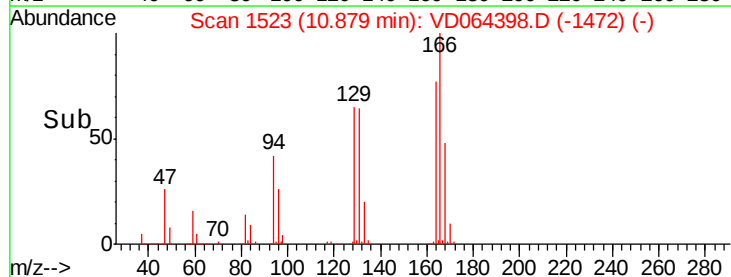
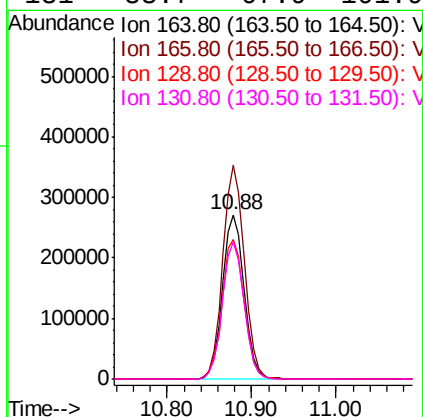
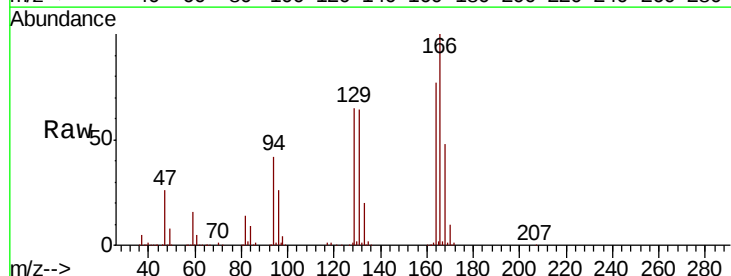
Instrument :
MSVOA_D
ClientSampled :

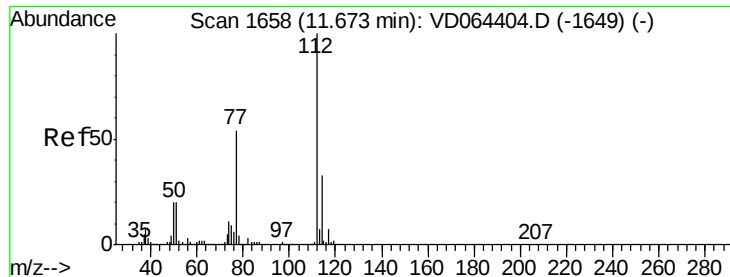
Tot Ion:117 Resp: 597801
Ion Ratio Lower Upper
117 100
82 53.6 41.4 62.2
119 32.1 26.2 39.2



#64
Tetrachloroethene
Concen: 105.119 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. -0.00 min
Lab File: VD064398.D
Acq: 27 Nov 2019 16:03

Tgt Ion:164 Resp: 479204
Ion Ratio Lower Upper
164 100
166 130.2 104.8 157.2
129 85.2 68.7 103.1
131 83.7 67.9 101.9

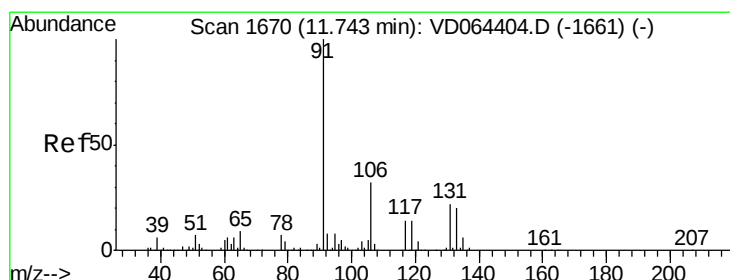
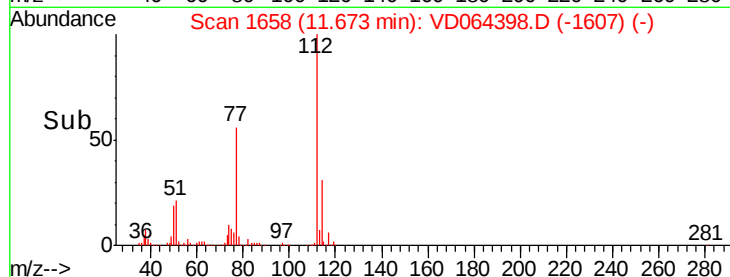
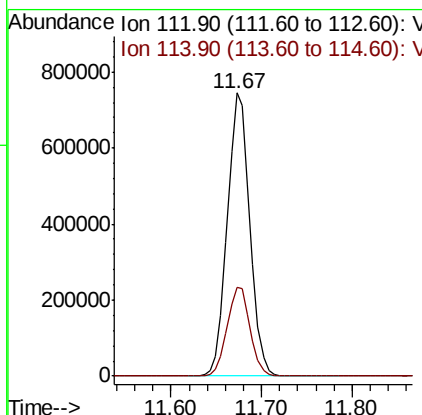
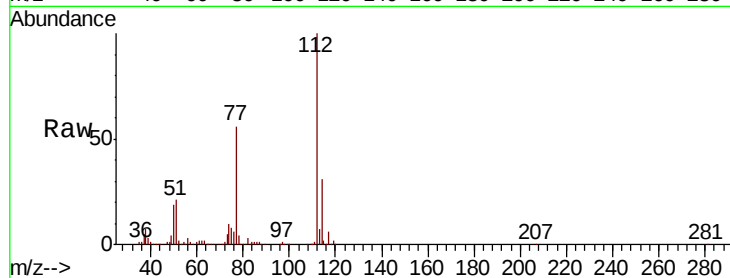




#65
Chlorobenzene
Concen: 102.803 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. -0.00 min
Lab File: VD064398.D
Acq: 27 Nov 2019 16:03

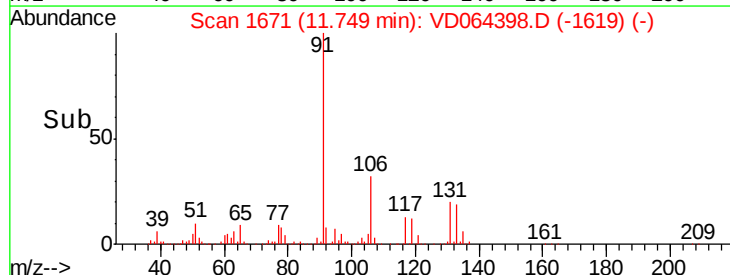
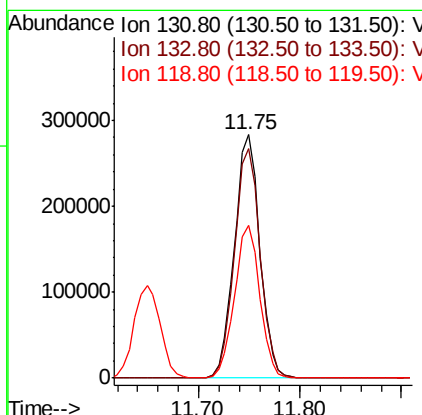
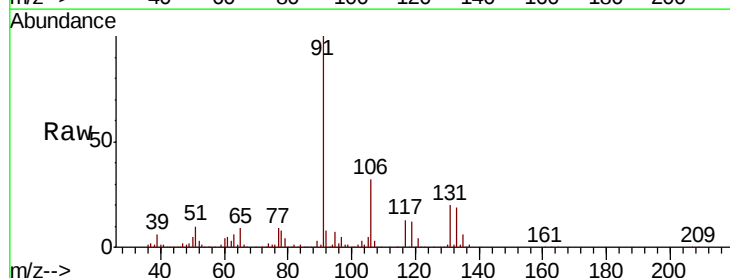
Instrument :
MSVOA_D
ClientSampleId :

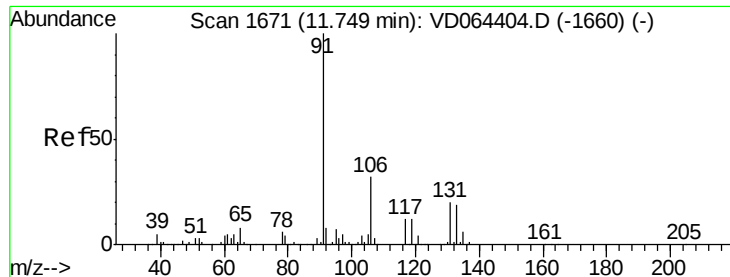
Tot Ion:112 Resp: 1281767
Ion Ratio Lower Upper
112 100
114 31.4 26.5 39.7



#66
1,1,1,2-Tetrachloroethane
Concen: 106.888 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.01 min
Lab File: VD064398.D
Acq: 27 Nov 2019 16:03

Tgt Ion:131 Resp: 493347
Ion Ratio Lower Upper
131 100
133 95.5 48.3 144.9
119 62.8 31.9 95.9





#67

Ethyl Benzene

Concen: 105.090 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. -0.00 min

Lab File: VD064398.D

Acq: 27 Nov 2019 16:03

Instrument :

MSVOA_D

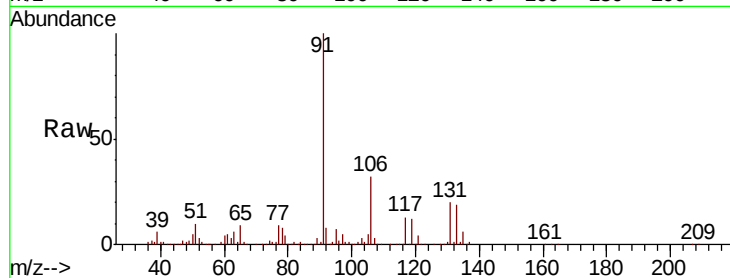
ClientSampled :

Tot Ion: 91 Resp: 2331291

Ion Ratio Lower Upper

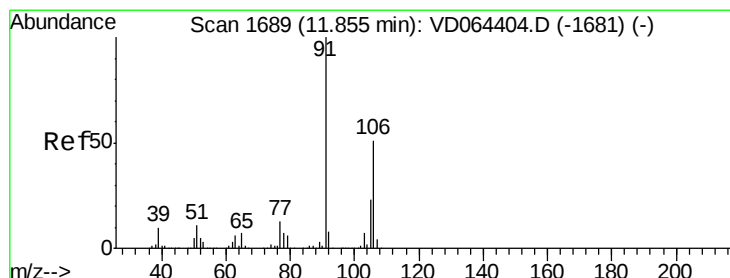
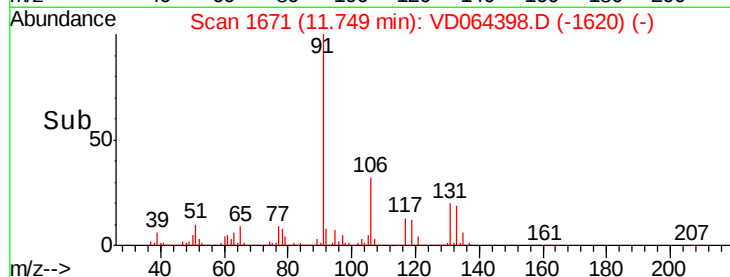
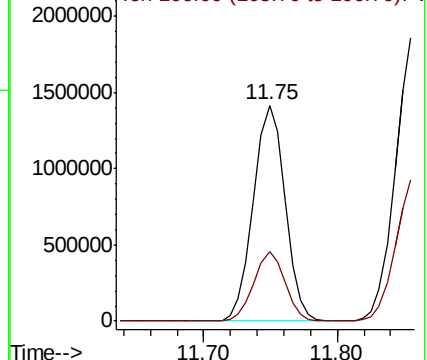
91 100

106 32.3 25.8 38.8



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 213.364 ug/l

RT: 11.86 min Scan# 1690

Delta R.T. 0.01 min

Lab File: VD064398.D

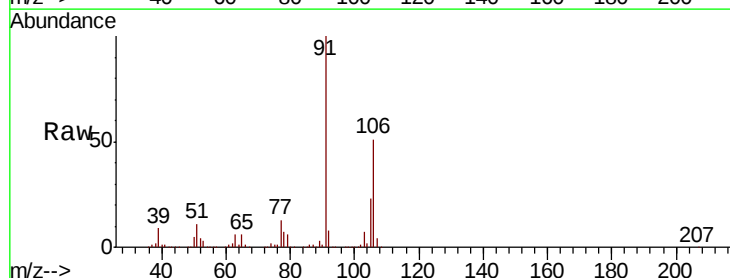
Acq: 27 Nov 2019 16:03

Tgt Ion: 106 Resp: 1804727

Ion Ratio Lower Upper

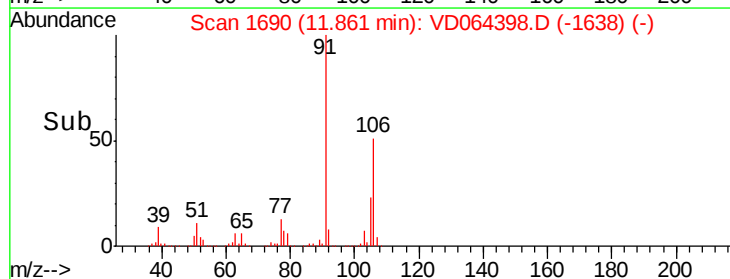
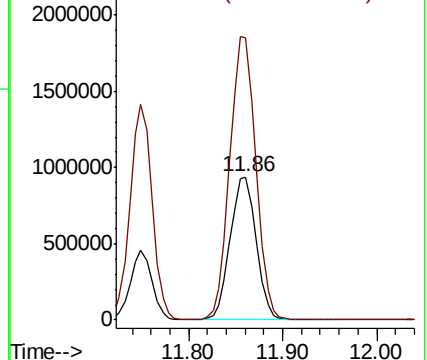
106 100

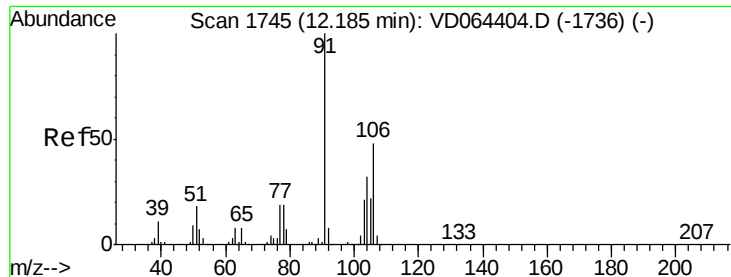
91 198.4 157.4 236.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): V

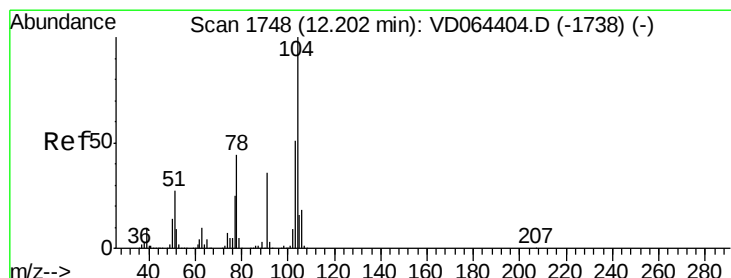
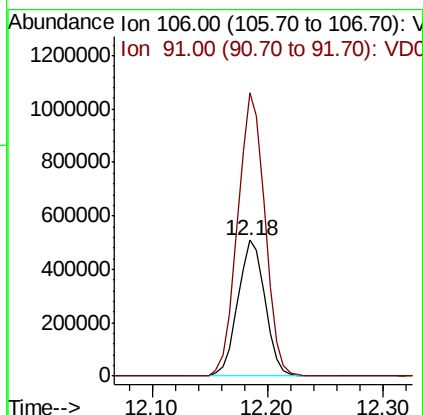
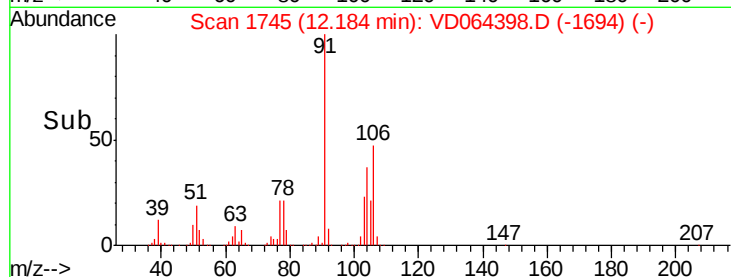
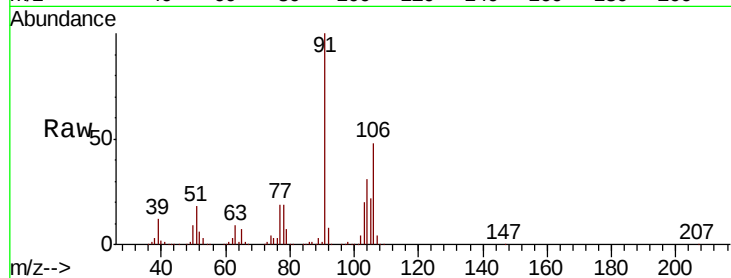




#69
o-Xylene
Concen: 106.456 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. -0.00 min
Lab File: VD064398.D
Acq: 27 Nov 2019 16:03

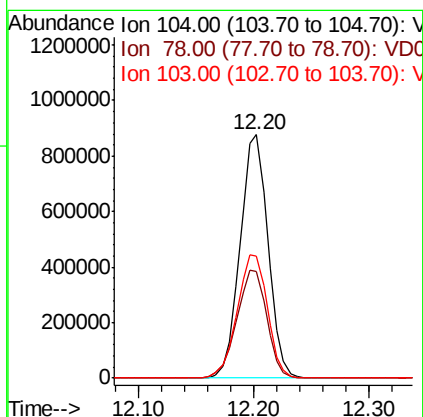
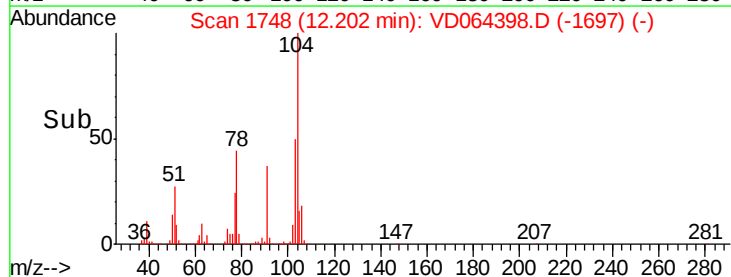
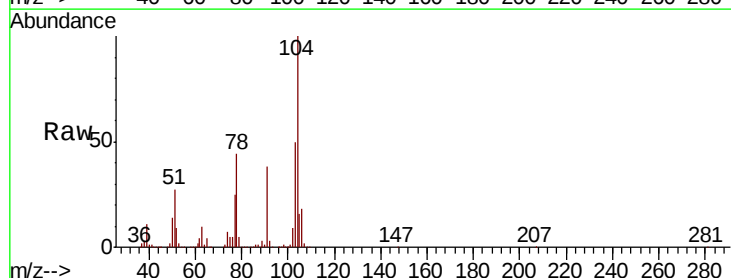
Instrument :
MSVOA_D
ClientSampleID :

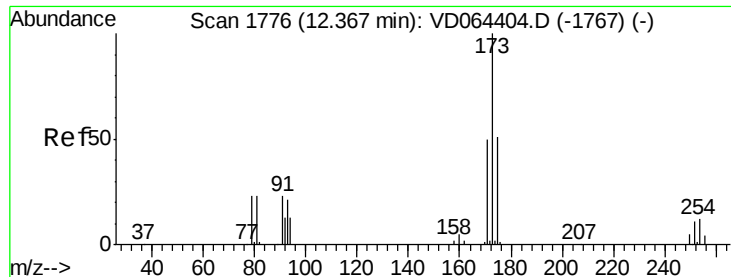
Tot Ion:106 Resp: 831616
Ion Ratio Lower Upper
106 100
91 208.2 103.8 311.4



#70
Styrene
Concen: 108.269 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. -0.00 min
Lab File: VD064398.D
Acq: 27 Nov 2019 16:03

Tgt Ion:104 Resp: 1469767
Ion Ratio Lower Upper
104 100
78 48.0 38.8 58.2
103 55.0 44.2 66.4

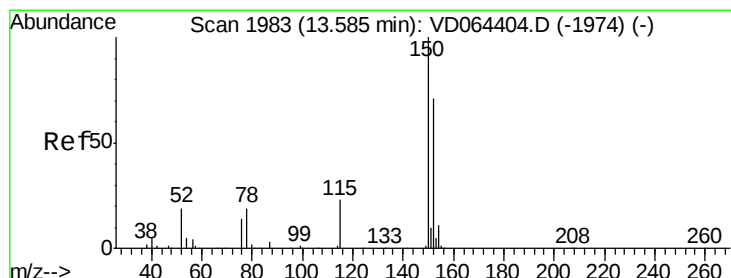
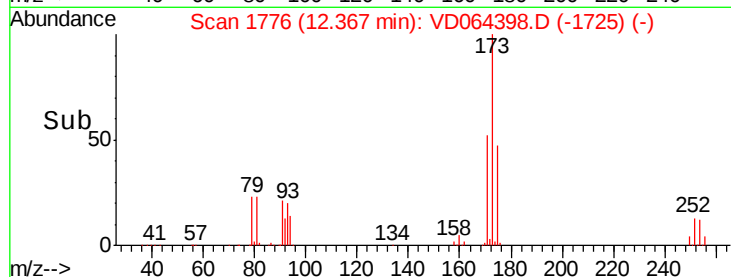
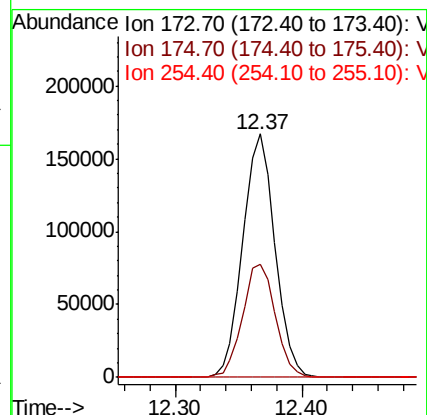
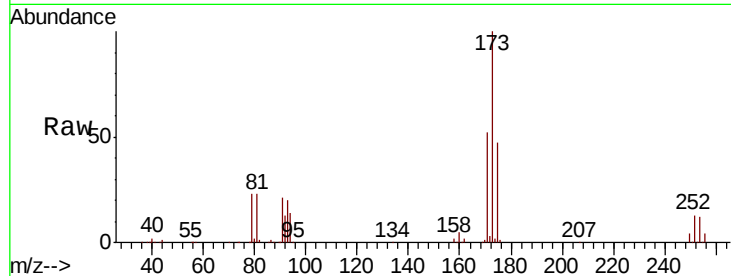




#71
Bromoform
Concen: 106.417 ug/l
RT: 12.37 min Scan# 1776
Delta R.T. -0.00 min
Lab File: VD064398.D
Acq: 27 Nov 2019 16:03

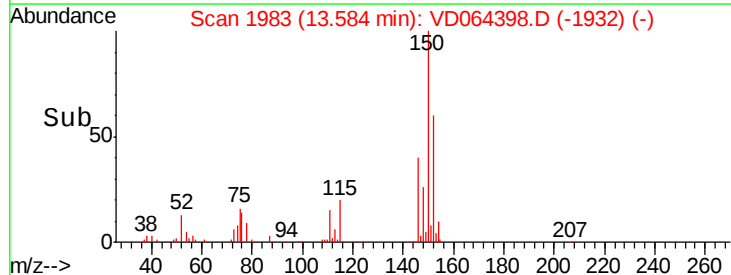
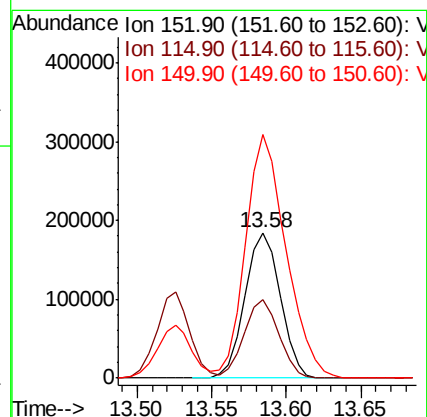
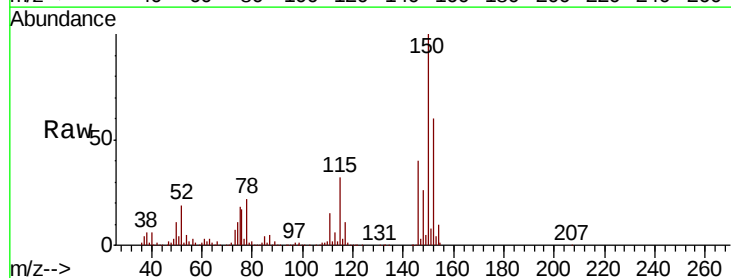
Instrument :
MSVOA_D
ClientSampleId :

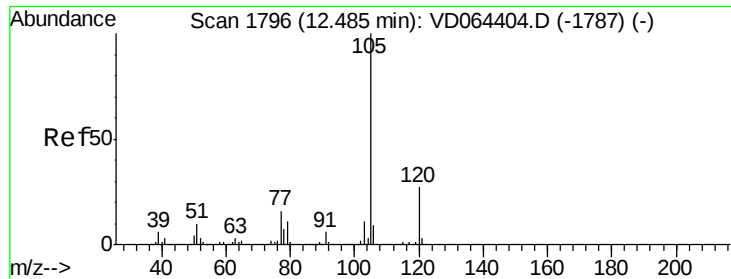
Tot Ion:173 Resp: 293862
Ion Ratio Lower Upper
173 100
175 47.5 25.3 75.8
254 0.1 0.0 0.0#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. -0.00 min
Lab File: VD064398.D
Acq: 27 Nov 2019 16:03

Tgt Ion:152 Resp: 302177
Ion Ratio Lower Upper
152 100
115 53.3 26.7 80.1
150 191.6 0.0 347.2





#73

Isopropylbenzene

Concen: 104.400 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. -0.00 min

Lab File: VD064398.D

Acq: 27 Nov 2019 16:03

Instrument :

MSVOA_D

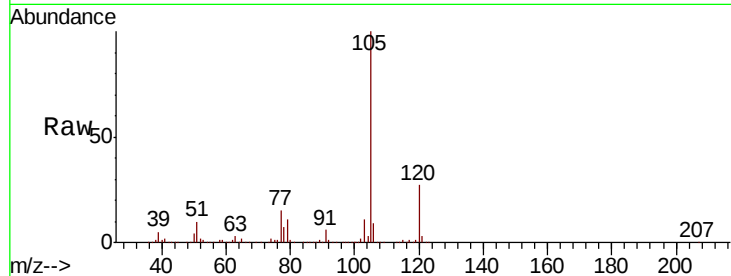
ClientSampleId :

Tot Ion:105 Resp: 2268913

Ion Ratio Lower Upper

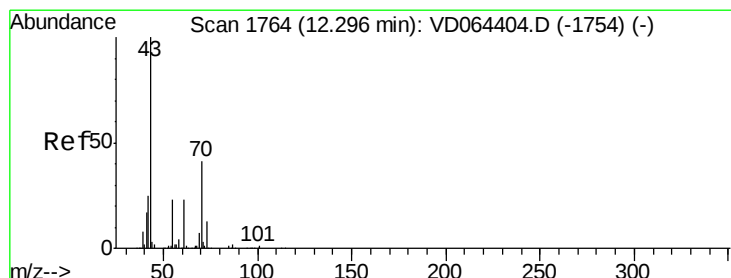
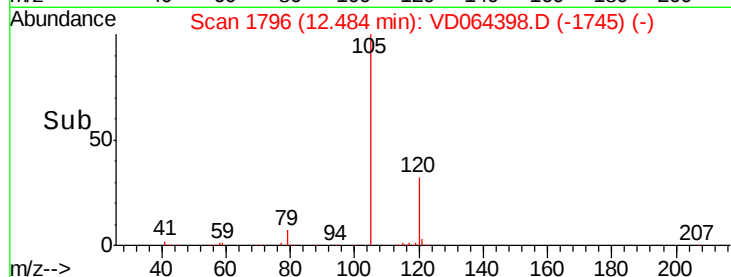
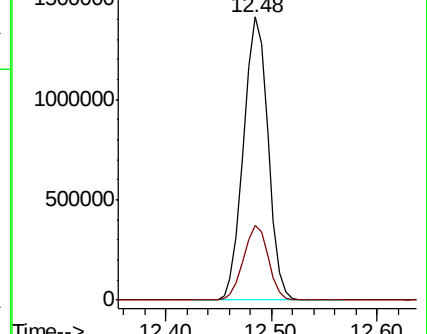
105 100

120 26.6 13.4 40.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 107.108 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. -0.00 min

Lab File: VD064398.D

Acq: 27 Nov 2019 16:03

Tgt Ion: 43 Resp: 528315

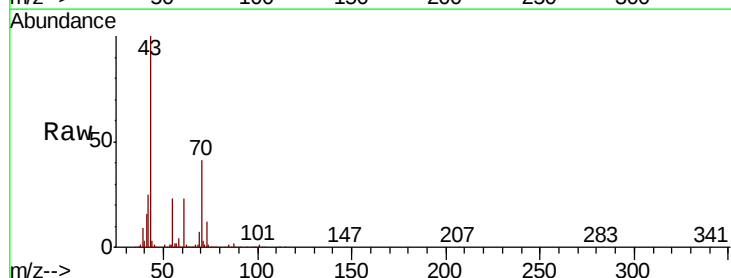
Ion Ratio Lower Upper

43 100

70 41.6 33.4 50.2

55 22.7 18.9 28.3

61 23.1 18.5 27.7

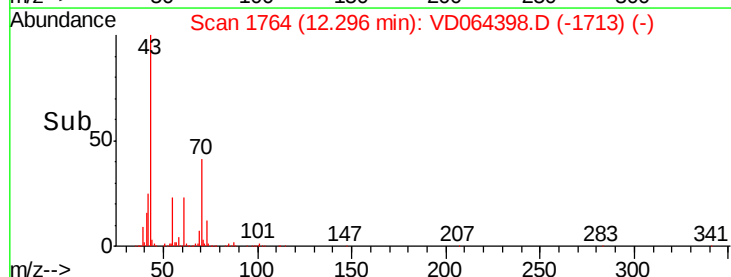
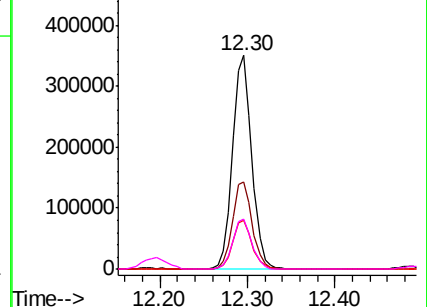


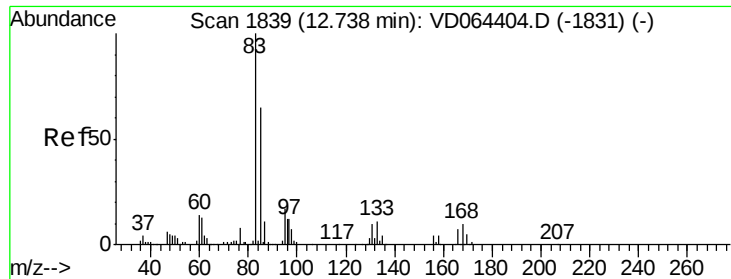
Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 61.00 (60.70 to 61.70): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 100.487 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. -0.00 min

Lab File: VD064398.D

Acq: 27 Nov 2019 16:03

Instrument :

MSVOA_D

ClientSampleId :

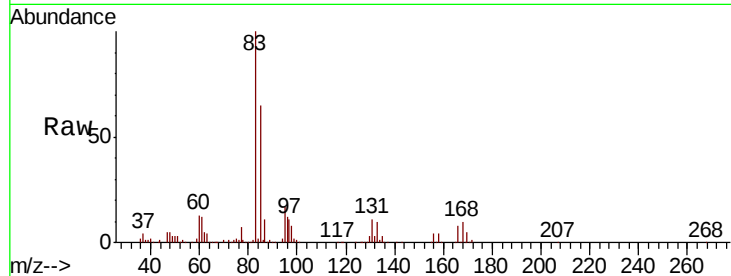
Tot Ion: 83 Resp: 361144

Ion Ratio Lower Upper

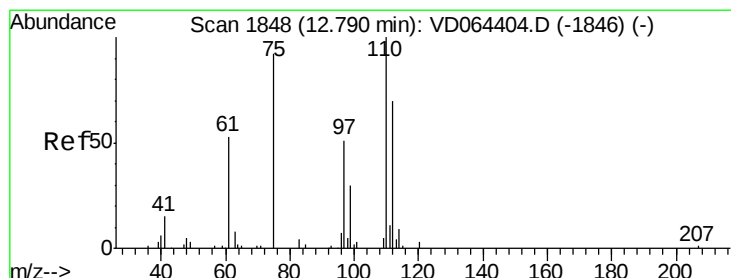
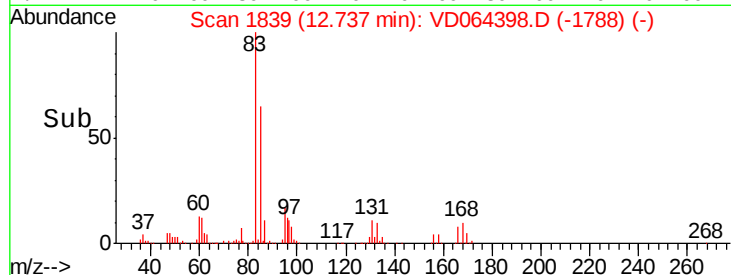
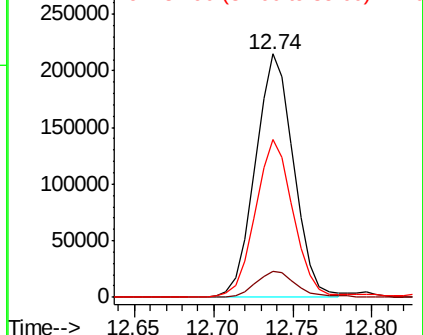
83 100

131 11.4 5.7 17.0

85 63.7 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: 198.453 ug/l

RT: 12.79 min Scan# 1848

Delta R.T. -0.00 min

Lab File: VD064398.D

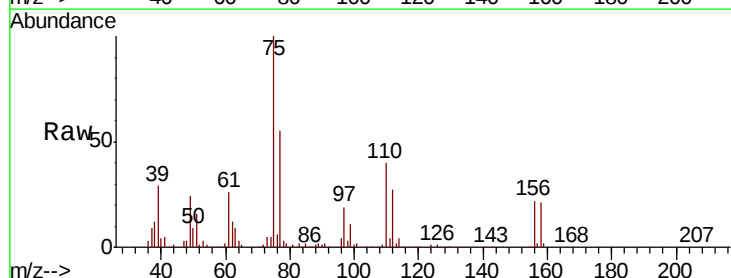
Acq: 27 Nov 2019 16:03

Tgt Ion: 75 Resp: 493156

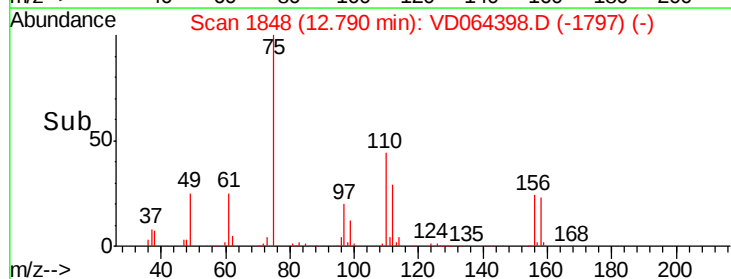
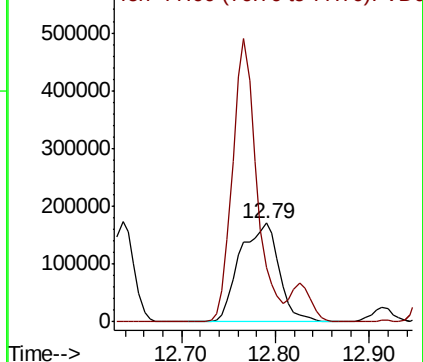
Ion Ratio Lower Upper

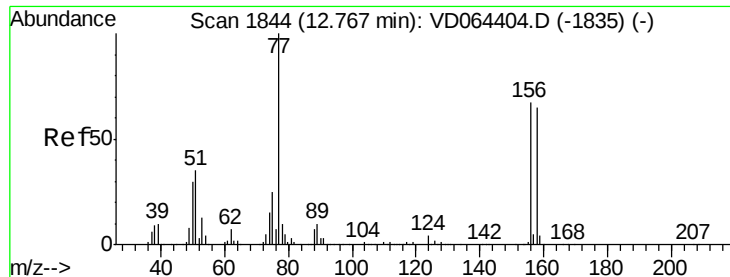
75 100

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

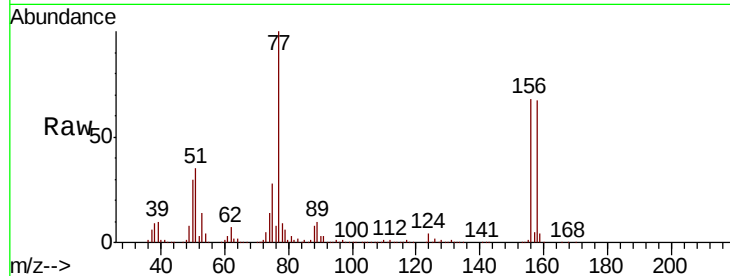




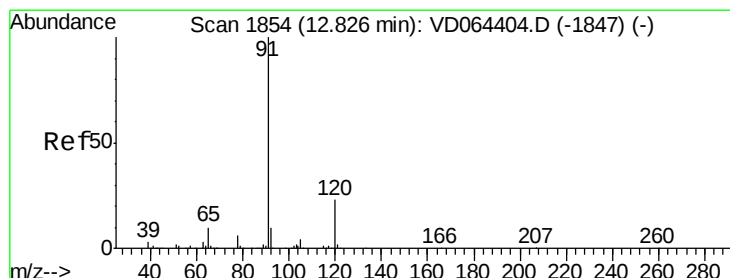
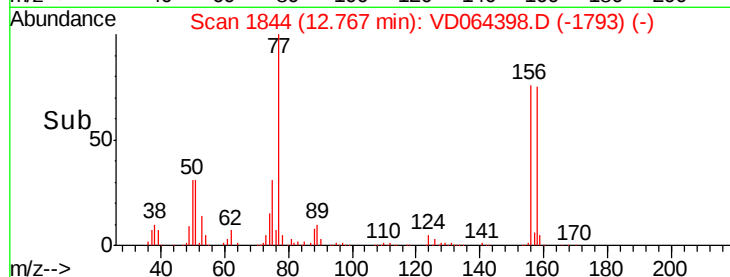
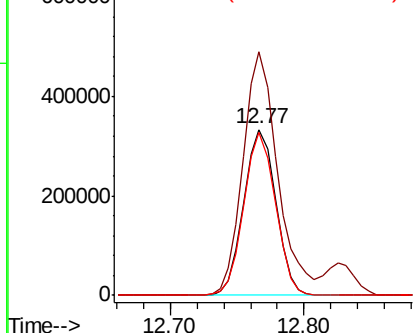
#77
Bromobenzene
Concen: 103.281 ug/l
RT: 12.77 min Scan# 1844
Delta R.T. -0.00 min
Lab File: VD064398.D
Acq: 27 Nov 2019 16:03

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:156 Resp: 554296
Ion Ratio Lower Upper
156 100
77 159.2 80.0 240.2
158 96.9 48.9 146.6

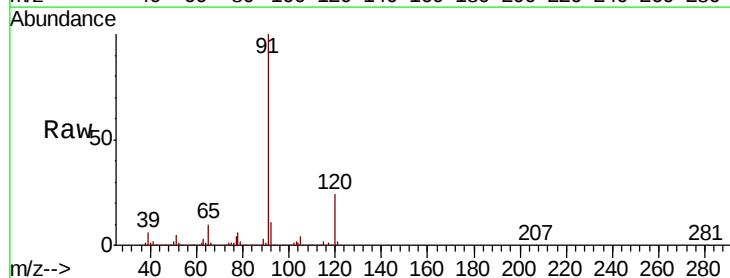


Abundance Ion 155.80 (155.50 to 156.50): V
Ion 77.00 (76.70 to 77.70): VDC
Ion 157.80 (157.50 to 158.50): V

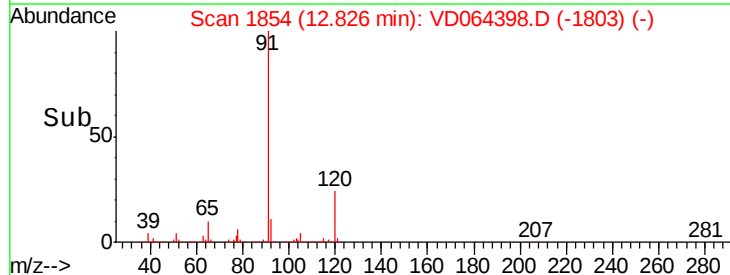
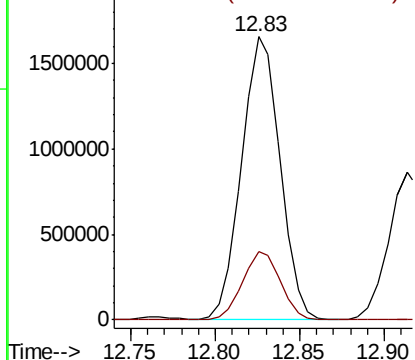


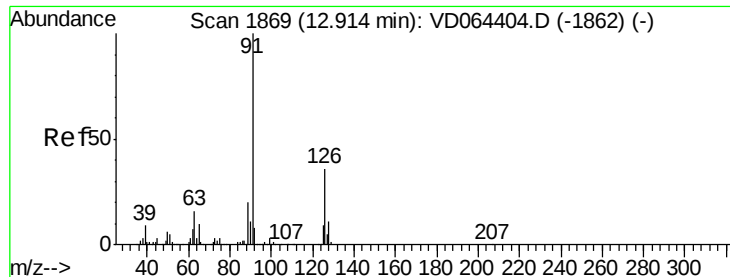
#78
n-propylbenzene
Concen: 104.696 ug/l
RT: 12.83 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VD064398.D
Acq: 27 Nov 2019 16:03

Tgt Ion: 91 Resp: 2625311
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

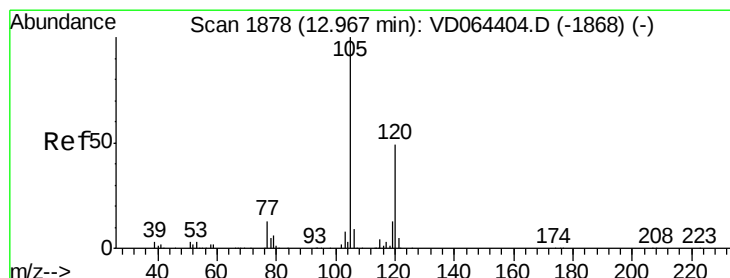
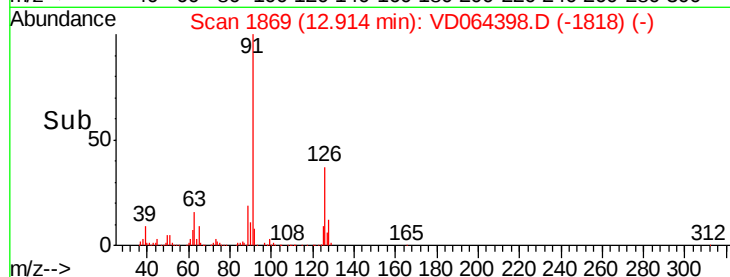
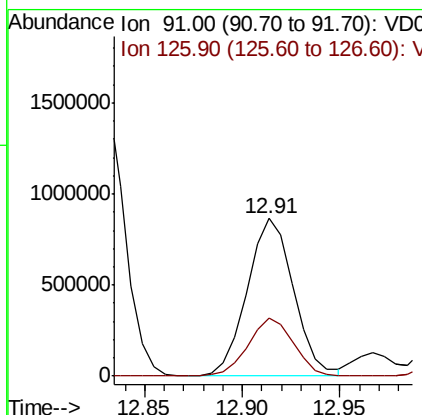
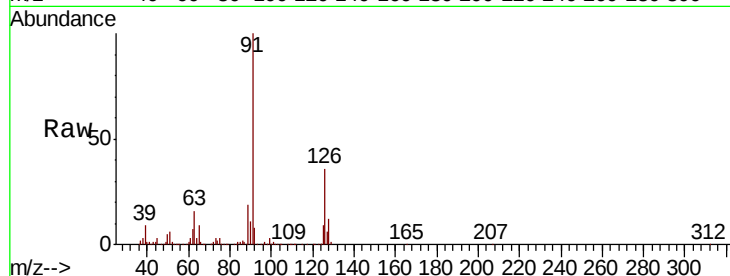




#79
 2-Chlorotoluene
 Concen: 103.483 ug/l
 RT: 12.91 min Scan# 1869
 Delta R.T. -0.00 min
 Lab File: VD064398.D
 Acq: 27 Nov 2019 16:03

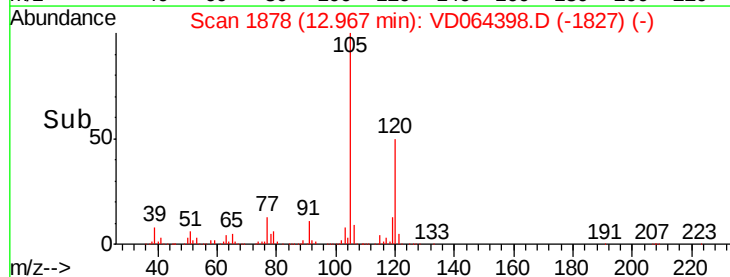
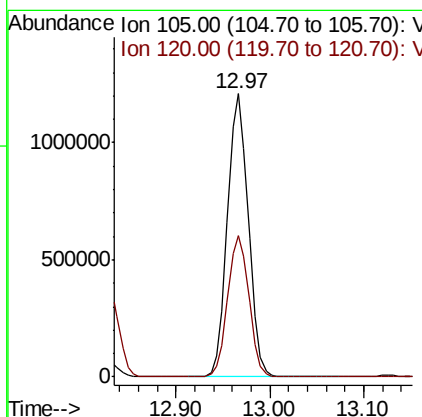
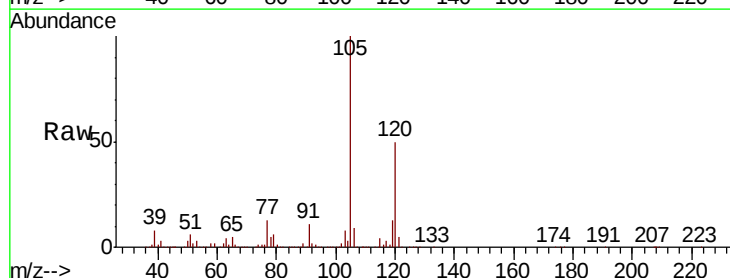
Instrument :
 MSVOA_D
 ClientSampleId :

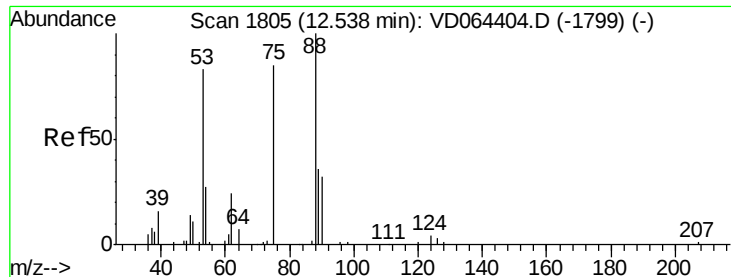
Tot Ion: 91 Resp: 1427836
 Ion Ratio Lower Upper
 91 100
 126 36.1 18.0 54.0



#80
 1,3,5-Trimethylbenzene
 Concen: 104.943 ug/l
 RT: 12.97 min Scan# 1878
 Delta R.T. -0.00 min
 Lab File: VD064398.D
 Acq: 27 Nov 2019 16:03

Tgt Ion:105 Resp: 1863782
 Ion Ratio Lower Upper
 105 100
 120 50.7 25.1 75.3





#81

trans-1,4-Dichloro-2-butene

Concen: 109.633 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. -0.01 min

Lab File: VD064398.D

Acq: 27 Nov 2019 16:03

Instrument :

MSVOA_D

ClientSampled :

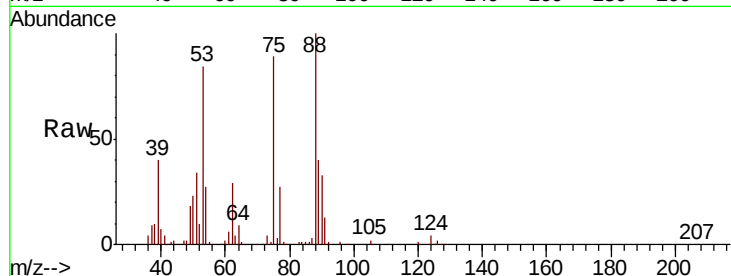
Tot Ion: 75 Resp: 124942

Ion Ratio Lower Upper

75 100

53 98.0 81.0 121.6

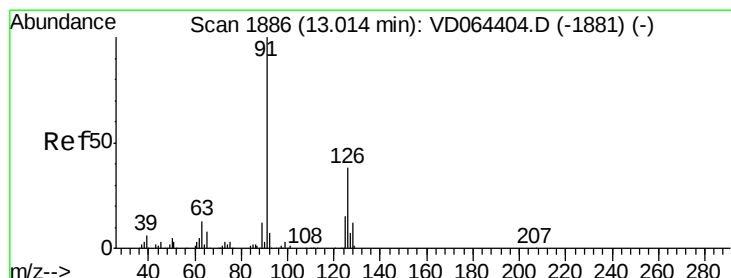
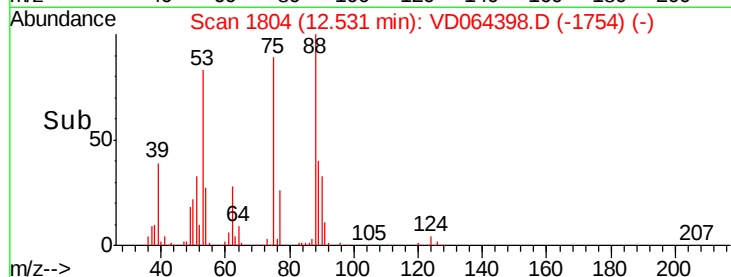
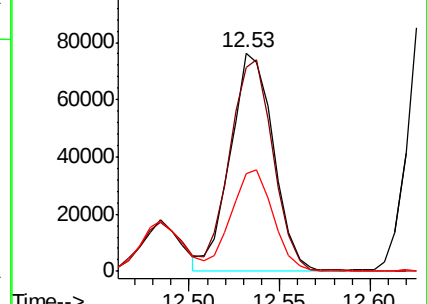
89 45.6 38.5 57.7



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: 103.396 ug/l

RT: 13.01 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VD064398.D

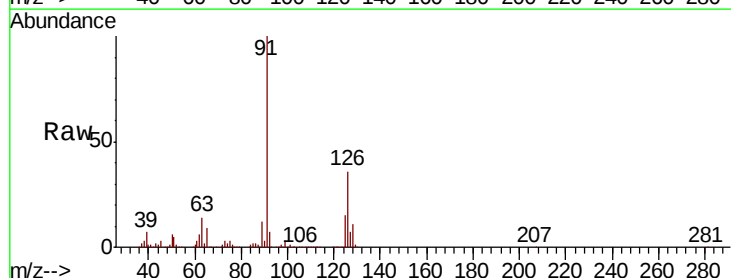
Acq: 27 Nov 2019 16:03

Tgt Ion: 91 Resp: 1510501

Ion Ratio Lower Upper

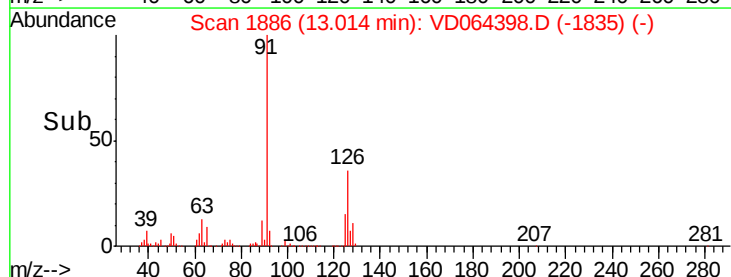
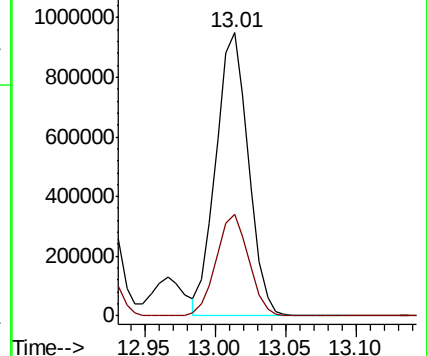
91 100

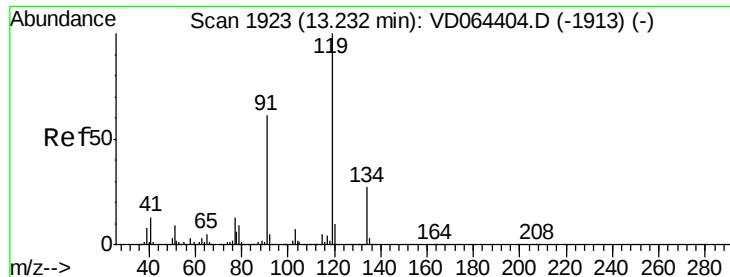
126 36.4 18.2 54.6



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.90 (125.60 to 126.60): V





#83

tert-Butylbenzene

Concen: 104.336 ug/l

RT: 13.23 min Scan# 1923

Delta R.T. -0.00 min

Lab File: VD064398.D

Acq: 27 Nov 2019 16:03

Instrument :

MSVOA_D

ClientSampled :

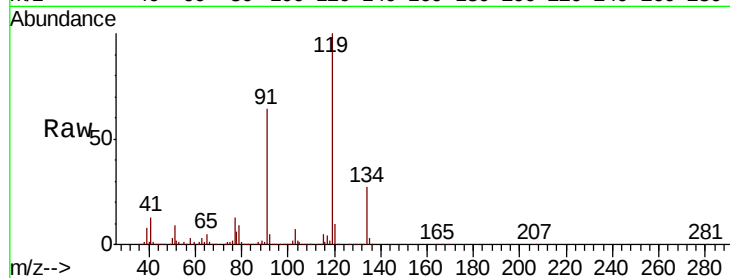
Tot Ion:119 Resp: 1610965

Ion Ratio Lower Upper

119 100

91 63.2 31.2 93.6

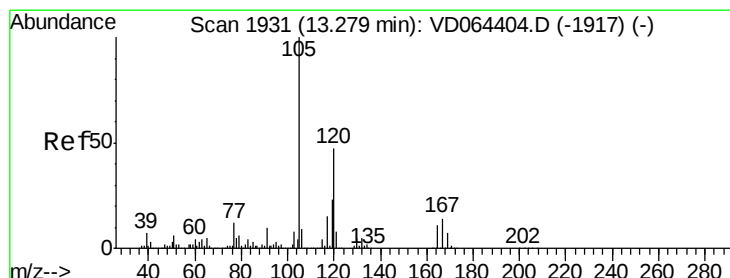
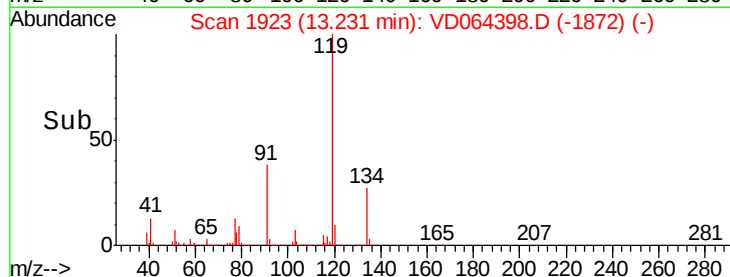
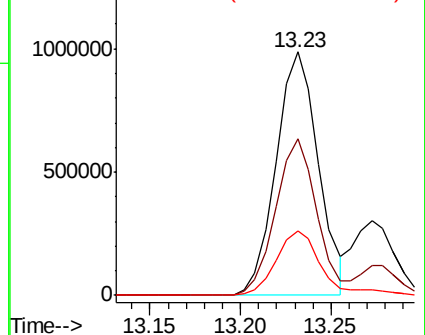
134 28.5 13.9 41.7



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 104.809 ug/l

RT: 13.27 min Scan# 1930

Delta R.T. -0.01 min

Lab File: VD064398.D

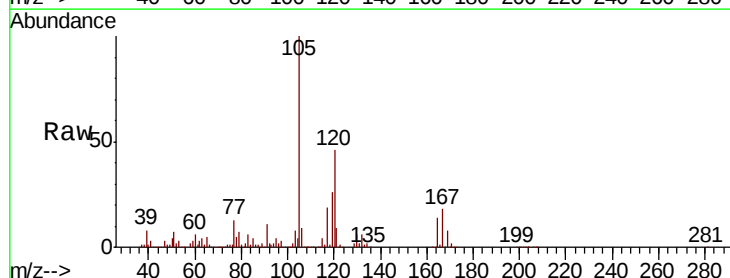
Acq: 27 Nov 2019 16:03

Tgt Ion:105 Resp: 1871708

Ion Ratio Lower Upper

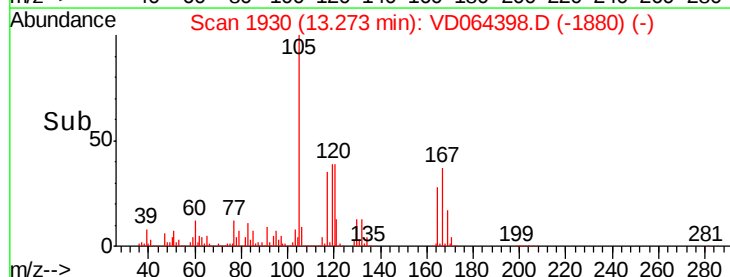
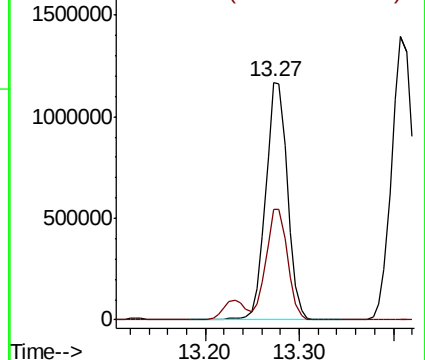
105 100

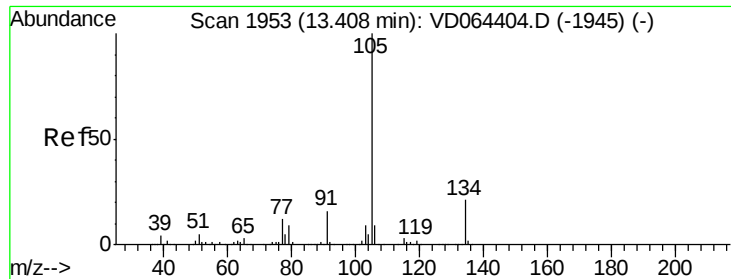
120 46.0 23.6 70.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 105.507 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. -0.00 min

Lab File: VD064398.D

Acq: 27 Nov 2019 16:03

Instrument :

MSVOA_D

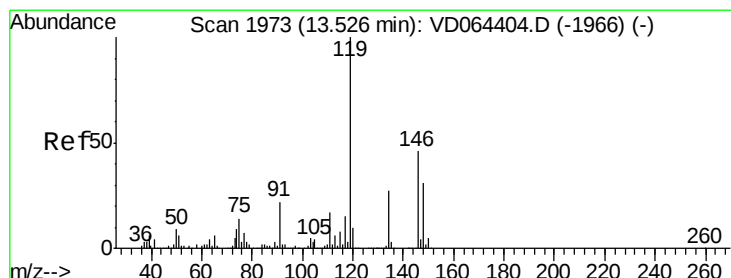
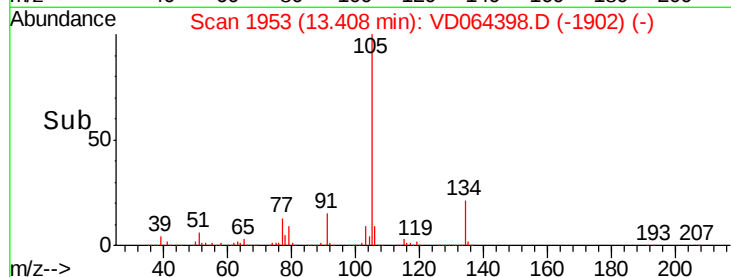
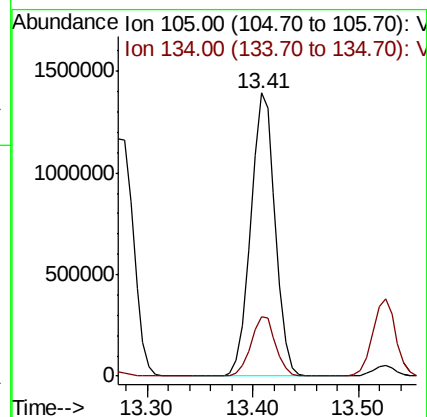
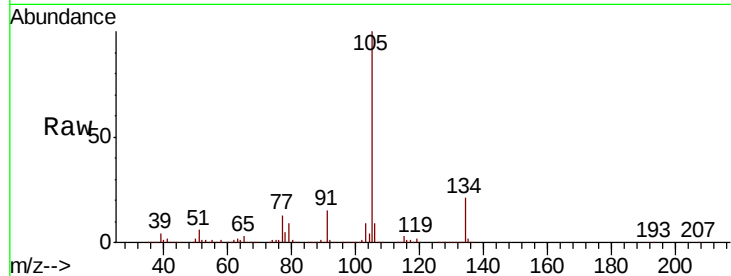
ClientSampleId :

Tot Ion:105 Resp: 2235814

Ion Ratio Lower Upper

105 100

134 21.2 10.5 31.5



#86

p-Isopropyltoluene

Concen: 106.590 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. -0.00 min

Lab File: VD064398.D

Acq: 27 Nov 2019 16:03

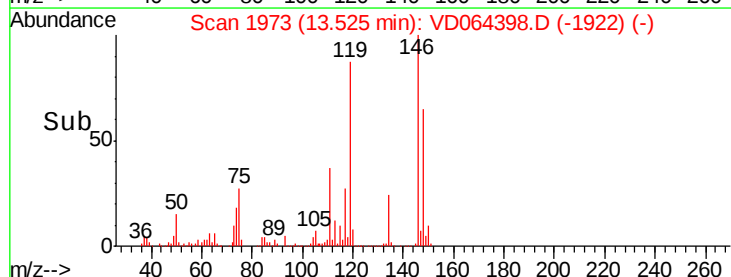
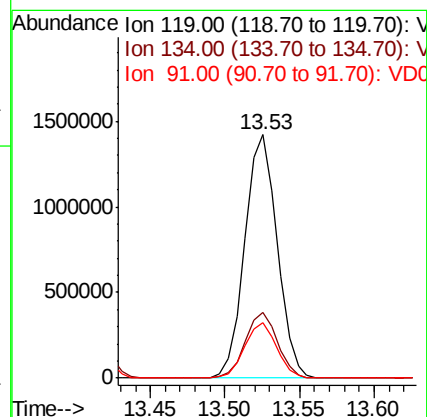
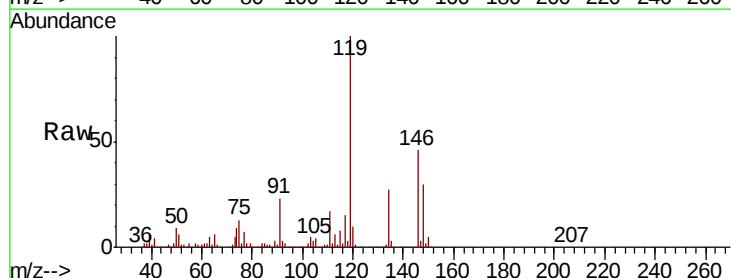
Tgt Ion:119 Resp: 2132483

Ion Ratio Lower Upper

119 100

134 26.9 13.5 40.4

91 22.5 11.2 33.5





#87

1,3-Dichlorobenzene

Concen: 104.083 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. -0.00 min

Lab File: VD064398.D

Acq: 27 Nov 2019 16:03

Instrument :

MSVOA_D

ClientSampleId :

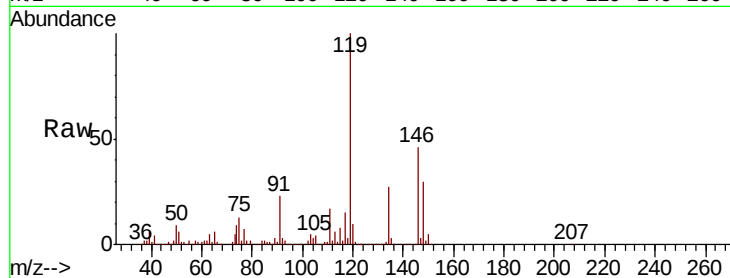
Tot Ion:146 Resp: 1060211

Ion	Ratio	Lower	Upper
146	100		
111	36.5	18.8	56.4
148	63.9	32.6	97.8

146 100

111 36.5 18.8 56.4

148 63.9 32.6 97.8

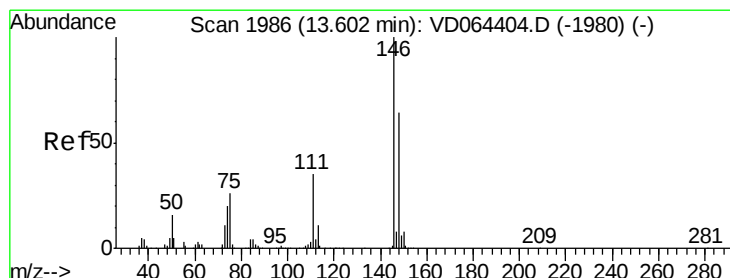
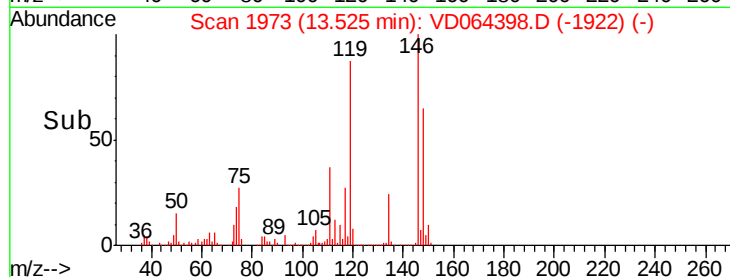
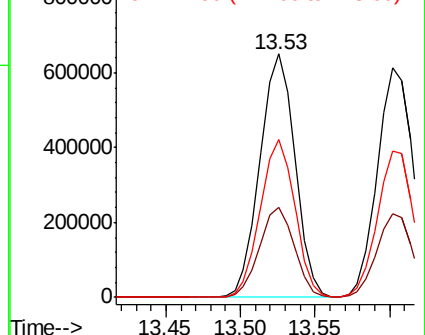


Abundance

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



#88

1,4-Dichlorobenzene

Concen: 101.176 ug/l

RT: 13.60 min Scan# 1986

Delta R.T. -0.00 min

Lab File: VD064398.D

Acq: 27 Nov 2019 16:03

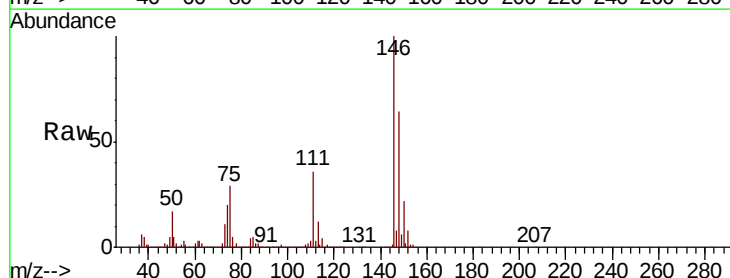
Tgt Ion:146 Resp: 1017501

Ion	Ratio	Lower	Upper
146	100		
111	36.5	18.2	54.6
148	64.3	31.8	95.4

146 100

111 36.5 18.2 54.6

148 64.3 31.8 95.4

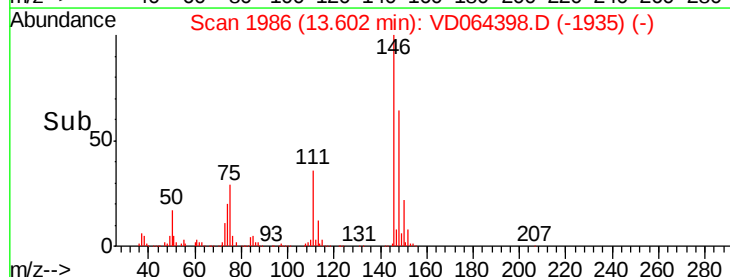
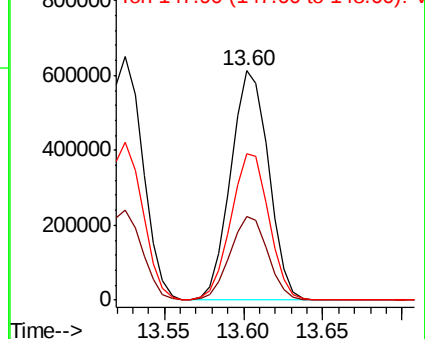


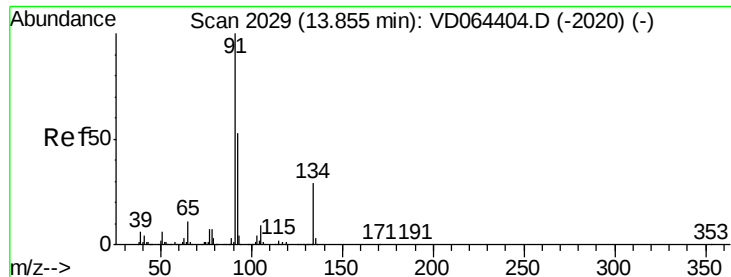
Abundance

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

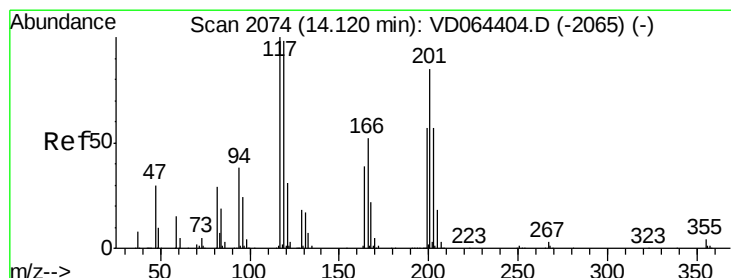
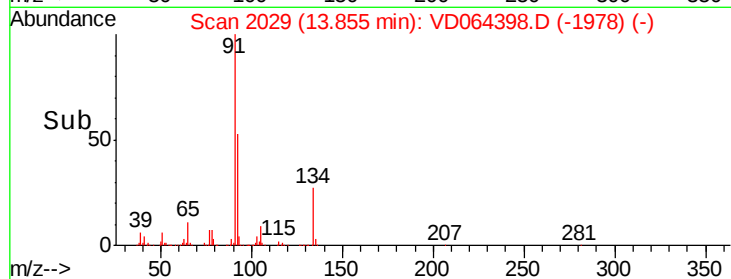
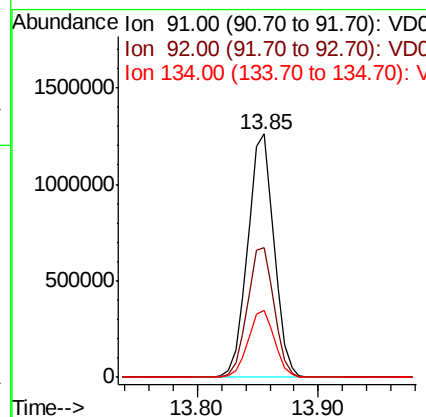
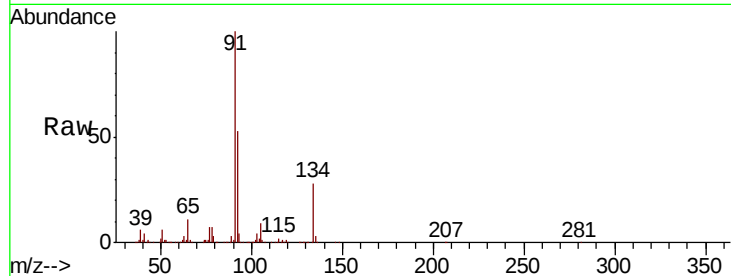




#89
n-Butylbenzene
Concen: 105.823 ug/l
RT: 13.85 min Scan# 2029
Delta R.T. -0.00 min
Lab File: VD064398.D
Acq: 27 Nov 2019 16:03

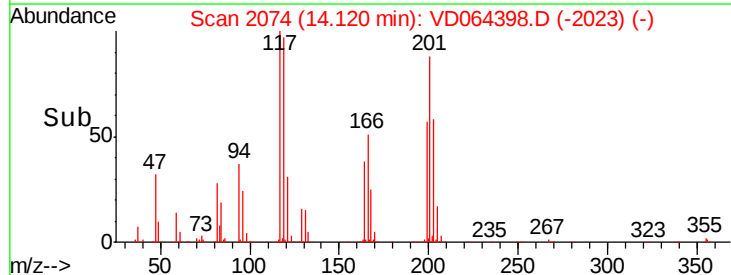
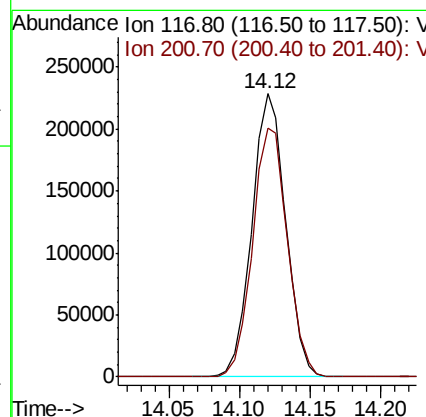
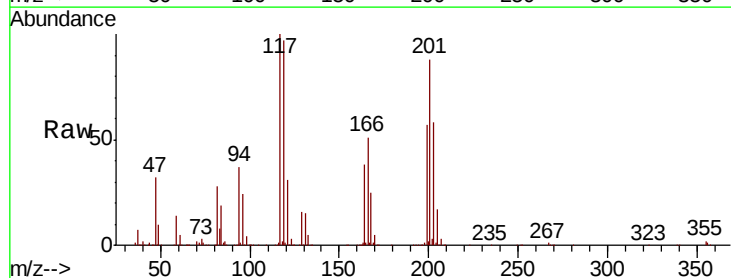
Instrument :
MSVOA_D
ClientSampleId :

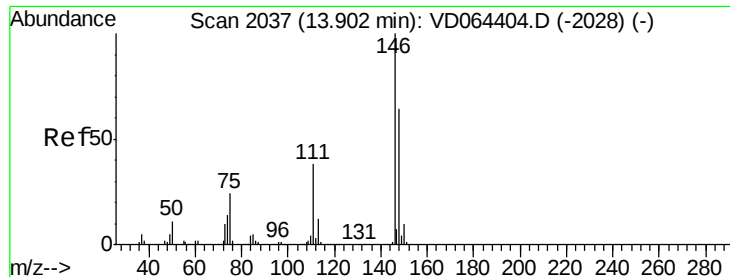
Tot Ion: 91 Resp: 1922620
Ion Ratio Lower Upper
91 100
92 54.3 26.5 79.4
134 27.8 13.9 41.7



#90
Hexachloroethane
Concen: 102.583 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. -0.00 min
Lab File: VD064398.D
Acq: 27 Nov 2019 16:03

Tgt Ion: 117 Resp: 383862
Ion Ratio Lower Upper
117 100
201 90.7 44.3 132.8





#91

1,2-Dichlorobenzene

Concen: 102.522 ug/l

RT: 13.90 min Scan# 2037

Delta R.T. -0.00 min

Lab File: VD064398.D

Acq: 27 Nov 2019 16:03

Instrument :

MSVOA_D

ClientSampleId :

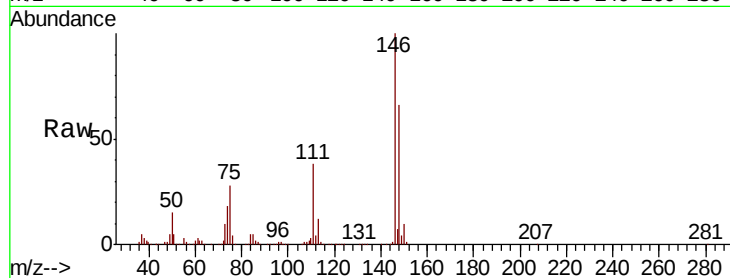
Tot Ion:146 Resp: 892488

Ion Ratio Lower Upper

146 100

111 38.3 19.1 57.3

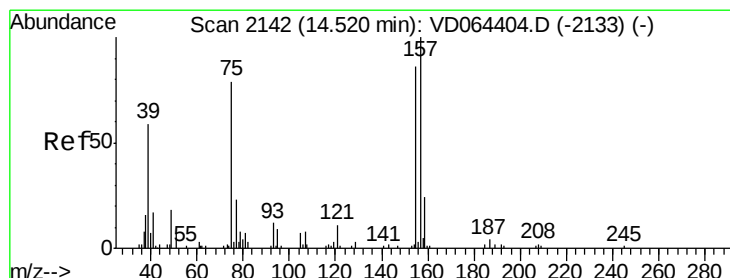
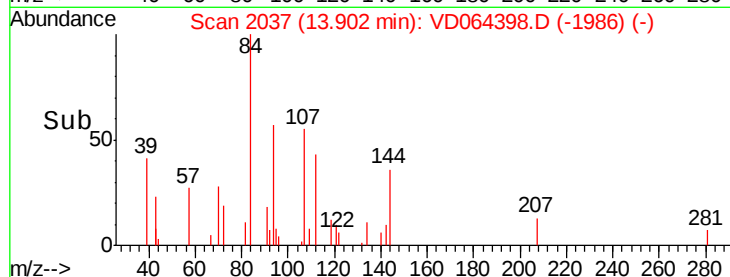
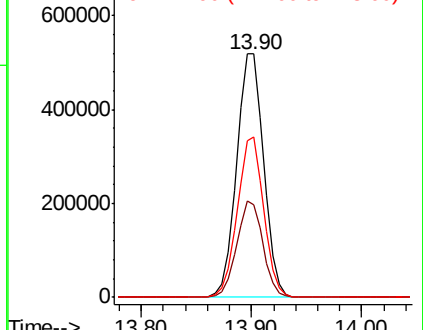
148 64.2 32.0 96.0



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: 117.765 ug/l

RT: 14.52 min Scan# 2142

Delta R.T. 0.00 min

Lab File: VD064398.D

Acq: 27 Nov 2019 16:03

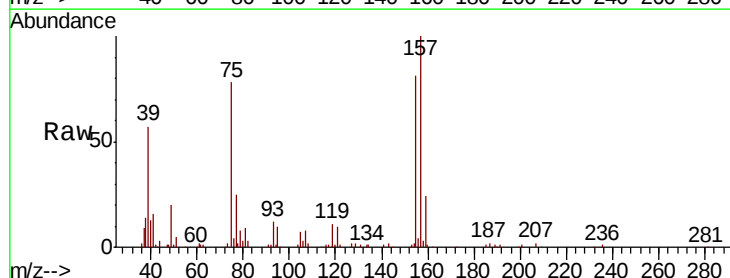
Tgt Ion: 75 Resp: 60052

Ion Ratio Lower Upper

75 100

155 101.3 51.9 155.7

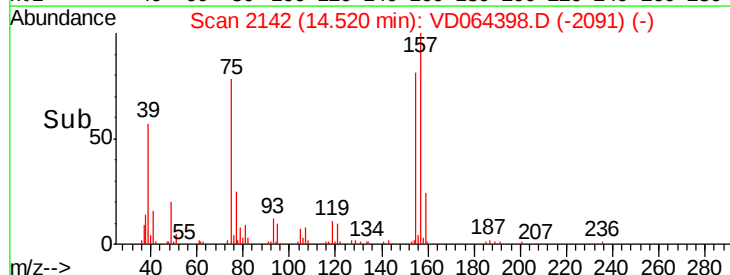
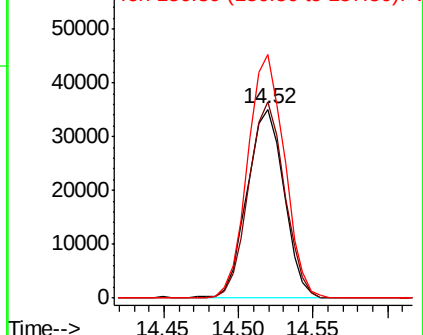
157 128.2 63.2 189.8

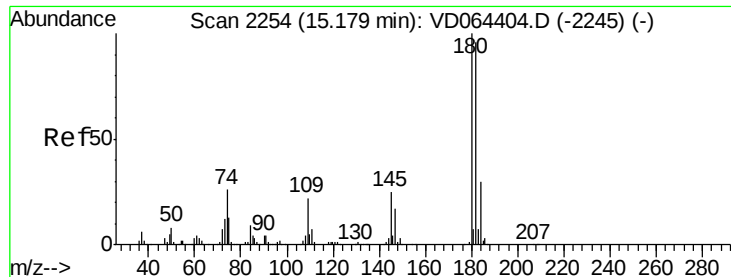


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

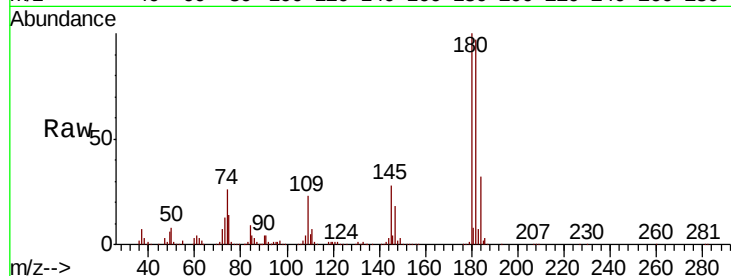




#93
 1,2,4-Trichlorobenzene
 Concen: 100.339 ug/l
 RT: 15.18 min Scan# 2254
 Delta R.T. -0.00 min
 Lab File: VD064398.D
 Acq: 27 Nov 2019 16:03

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.2	47.4	142.3
145	27.8	14.0	41.9

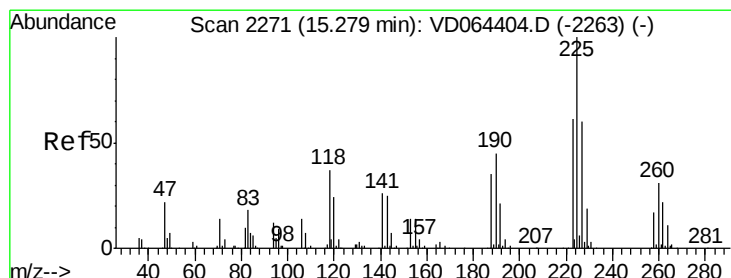
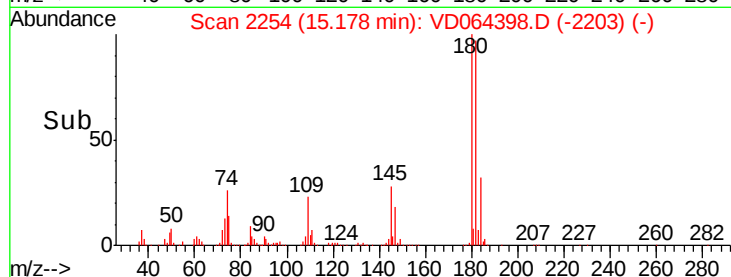
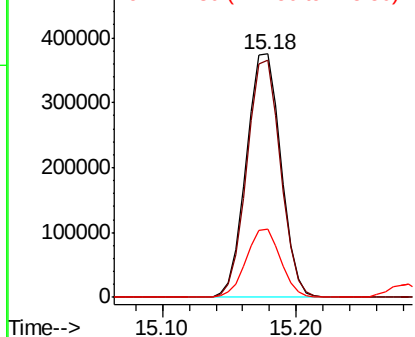


Abundance

Ion 179.80 (179.50 to 180.50): V

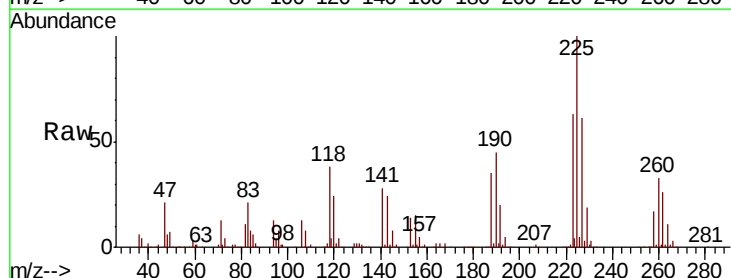
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 103.030 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. -0.00 min
 Lab File: VD064398.D
 Acq: 27 Nov 2019 16:03

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.4	31.1	93.3
227	63.8	31.8	95.4

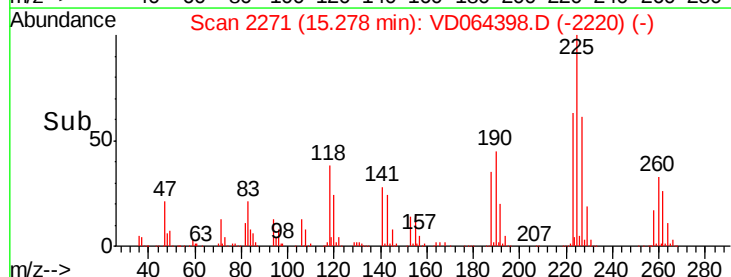
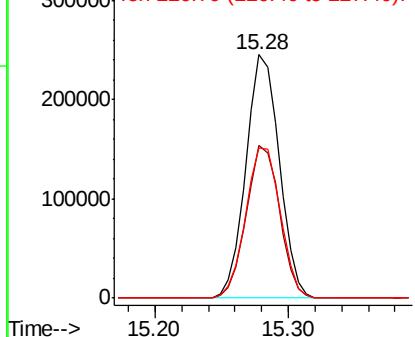


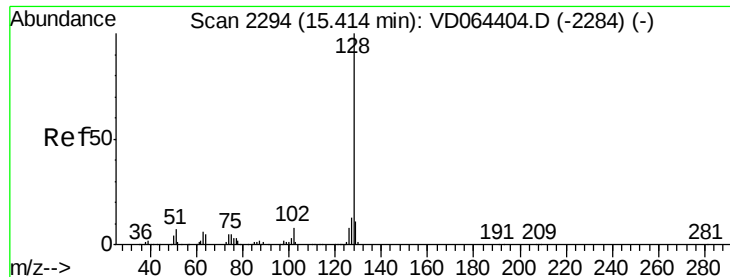
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V

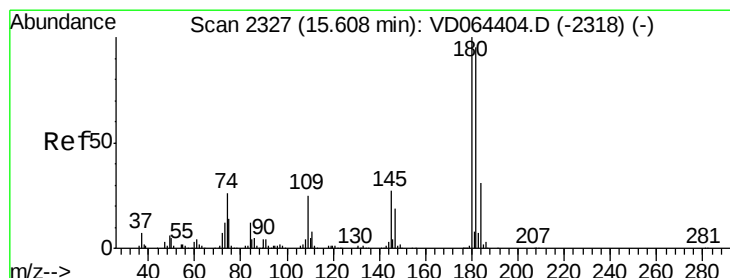
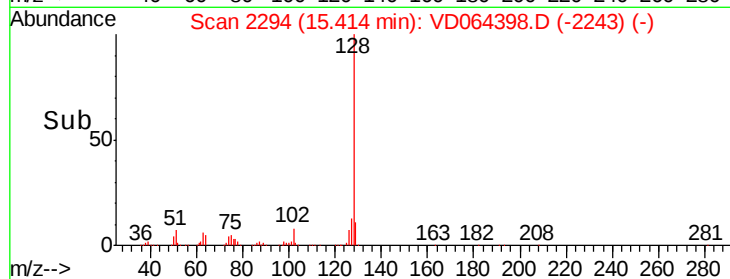
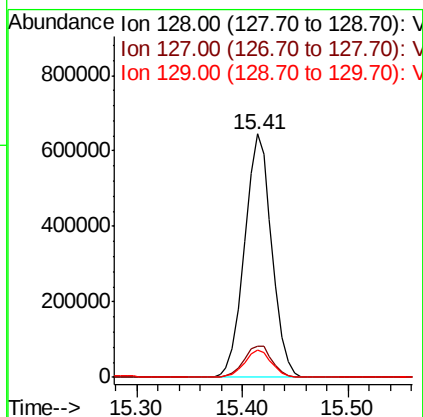
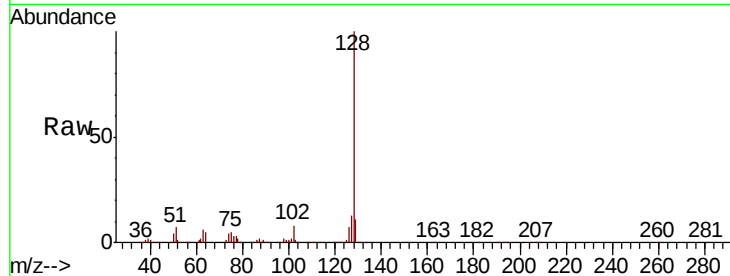




#95
Naphthalene
Concen: 103.186 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. -0.00 min
Lab File: VD064398.D
Acq: 27 Nov 2019 16:03

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:128 Resp: 1148076
Ion Ratio Lower Upper
128 100
127 13.5 10.5 15.7
129 11.1 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 100.496 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. -0.00 min
Lab File: VD064398.D
Acq: 27 Nov 2019 16:03

Tgt Ion:180 Resp: 571914
Ion Ratio Lower Upper
180 100
182 97.1 47.6 142.9
145 30.8 14.6 43.8

