

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD112719\
 Data File : VD064397.D
 Acq On : 27 Nov 2019 15:35
 Operator : VA/SY
 Sample : VSTDICCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Nov 29 07:25:14 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	501419	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	714478	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	618341	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	298464	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	212811	46.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.78%	
35) Dibromofluoromethane	7.92	113	220313	48.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.88%	
50) Toluene-d8	10.34	98	831412	49.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.06%	
62) 4-Bromofluorobenzene	12.64	95	262324	48.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.28%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	216468	47.645	ug/l	98
3) Chloromethane	2.21	50	263643	46.008	ug/l	97
4) Vinyl Chloride	2.35	62	323840	48.945	ug/l	98
5) Bromomethane	2.77	94	222151	45.403	ug/l	99
6) Chloroethane	2.92	64	210456	47.589	ug/l	99
7) Trichlorofluoromethane	3.27	101	537218	48.842	ug/l	96
8) Diethyl Ether	3.71	74	109414	47.870	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.08	101	229292	48.619	ug/l	97
10) Methyl Iodide	4.29	142	274789	55.174	ug/l	100
11) Tert butyl alcohol	5.26	59	71201	246.452	ug/l #	100
12) 1,1-Dichloroethene	4.06	96	221058	48.912	ug/l	97
13) Acrolein	3.92	56	85643	217.335	ug/l	98
14) Allyl chloride	4.71	41	348253	49.374	ug/l	98
15) Acrylonitrile	5.43	53	240859	240.982	ug/l	97
16) Acetone	4.17	43	238851	260.426	ug/l	96
17) Carbon Disulfide	4.40	76	721272	50.389	ug/l	96
18) Methyl Acetate	4.72	43	125946	47.078	ug/l	100
19) Methyl tert-butyl Ether	5.49	73	497166	47.956	ug/l	96
20) Methylene Chloride	4.96	84	232224	49.816	ug/l	99
21) trans-1,2-Dichloroethene	5.47	96	248925	48.691	ug/l	97
22) Diisopropyl ether	6.37	45	658508	47.293	ug/l	98
23) Vinyl Acetate	6.31	43	2021940	246.315	ug/l	99
24) 1,1-Dichloroethane	6.27	63	409028	48.846	ug/l	98
25) 2-Butanone	7.22	43	320474	247.080	ug/l	100
26) 2,2-Dichloropropane	7.21	77	366727	50.359	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	265984	47.722	ug/l	98
28) Bromochloromethane	7.55	49	170917	59.725	ug/l	99
29) Tetrahydrofuran	7.57	42	199351	241.575	ug/l	99
30) Chloroform	7.71	83	422925	48.767	ug/l	99
31) Cyclohexane	7.98	56	382739	52.590	ug/l	97
32) 1,1,1-Trichloroethane	7.90	97	396741	49.344	ug/l	99
36) 1,1-Dichloropropene	8.11	75	339094	50.177	ug/l	99
37) Ethyl Acetate	7.30	43	143490	50.040	ug/l	98
38) Carbon Tetrachloride	8.10	117	364856	51.154	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD112719\
 Data File : VD064397.D
 Acq On : 27 Nov 2019 15:35
 Operator : VA/SY
 Sample : VSTDICCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Nov 29 07:25:14 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D112719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 29 07:18:03 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	425304	50.734	ug/l	98
40) Benzene	8.36	78	924085	49.233	ug/l	99
41) Methacrylonitrile	7.53	41	77962	47.408	ug/l #	91
42) 1,2-Dichloroethane	8.43	62	269454	49.227	ug/l	99
43) Isopropyl Acetate	8.46	43	280595	49.767	ug/l	98
44) Trichloroethene	9.11	130	280740	49.654	ug/l	97
45) 1,2-Dichloropropane	9.39	63	223602	49.812	ug/l	99
46) Dibromomethane	9.48	93	124399	49.101	ug/l	98
47) Bromodichloromethane	9.66	83	322903	49.602	ug/l	99
48) Methyl methacrylate	9.46	41	130654	50.641	ug/l	95
49) 1,4-Dioxane	9.46	88	30448	973.227	ug/l	97
51) 4-Methyl-2-Pentanone	10.23	43	695312	249.242	ug/l	100
52) Toluene	10.40	92	597760	48.867	ug/l	100
53) t-1,3-Dichloropropene	10.63	75	308774	49.769	ug/l	99
54) cis-1,3-Dichloropropene	10.09	75	363816	49.362	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	166373	47.958	ug/l	97
56) Ethyl methacrylate	10.66	69	219521	49.613	ug/l	99
57) 1,3-Dichloropropane	10.95	76	292335	49.503	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	406217	230.301	ug/l	100
59) 2-Hexanone	10.99	43	493049	254.707	ug/l	99
60) Dibromochloromethane	11.14	129	227126	48.287	ug/l	100
61) 1,2-Dibromoethane	11.25	107	165759	47.855	ug/l	99
64) Tetrachloroethene	10.88	164	240655	51.037	ug/l	93
65) Chlorobenzene	11.67	112	638844	49.536	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.74	131	239288	50.121	ug/l	98
67) Ethyl Benzene	11.75	91	1143924	49.853	ug/l	99
68) m/p-Xylenes	11.86	106	881378	100.740	ug/l	100
69) o-Xylene	12.18	106	402154	49.770	ug/l	100
70) Styrene	12.20	104	696163	49.579	ug/l	100
71) Bromoform	12.37	173	142670	49.949	ug/l #	96
73) Isopropylbenzene	12.48	105	1105426	51.497	ug/l	99
74) N-amyl acetate	12.29	43	253795	52.093	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	178038	50.155	ug/l	96
76) 1,2,3-Trichloropropane	12.78	75	233725	95.224	ug/l #	100
77) Bromobenzene	12.77	156	269043	50.754	ug/l	99
78) n-propylbenzene	12.83	91	1273803	51.431	ug/l	100
79) 2-Chlorotoluene	12.91	91	692822	50.837	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	887326	50.584	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	60058	53.355	ug/l	97
82) 4-Chlorotoluene	13.01	91	723737	50.157	ug/l	100
83) tert-Butylbenzene	13.23	119	787644	51.647	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	885621	50.209	ug/l	98
85) sec-Butylbenzene	13.41	105	1079986	51.598	ug/l	100
86) p-Isopropyltoluene	13.53	119	1020286	51.632	ug/l	100
87) 1,3-Dichlorobenzene	13.53	146	499987	49.695	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	491392	49.470	ug/l	99
89) n-Butylbenzene	13.85	91	918367	51.176	ug/l	99
90) Hexachloroethane	14.12	117	191630	51.848	ug/l	98
91) 1,2-Dichlorobenzene	13.90	146	433033	50.362	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.52	75	29057	55.242	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD112719\
Data File : VD064397.D
Acq On : 27 Nov 2019 15:35
Operator : VA/SY
Sample : VSTDICCC050
Misc : 5.00G/5.00ml/MSVOA D/SOIL
ALS Vial : 6 Sample Multiplier: 1

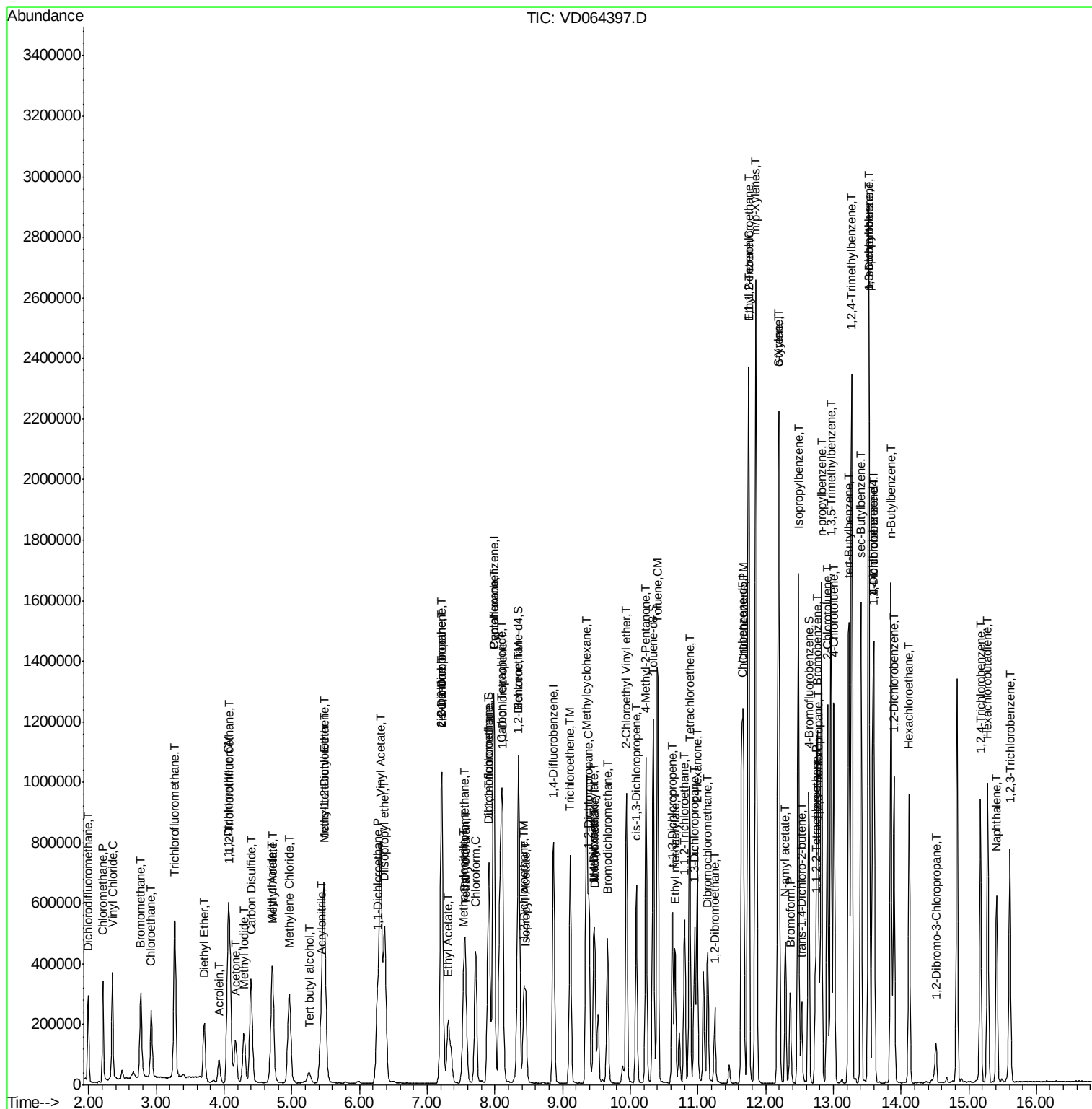
Instrument :
MSVOA_D
ClientSampleId :

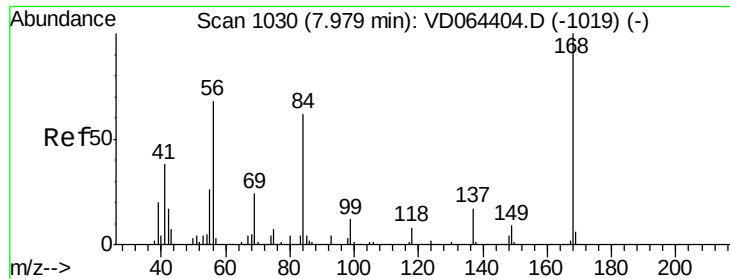
Quant Time: Nov 29 07:25:14 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D112719S.M
Quant Title : SW846 8260
QLast Update : Fri Nov 29 07:18:03 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	323379	49.108	ug/l	100
94) Hexachlorobutadiene	15.28	225	202814	49.890	ug/l	98
95) Naphthalene	15.41	128	547557	49.825	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	282731	50.299	ug/l	100

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

Quant Time: Nov 29 07:25:14 2019
Quant Method : Z:\VQASRV\HPCHEM1\MSVOA_D\METHOD\82D112719S.M
Quant Title : SW846 8260
QLast Update : Fri Nov 29 07:18:03 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.01 min

Lab File: VD064397.D

Acq: 27 Nov 2019 15:35

Instrument :

MSVOA_D

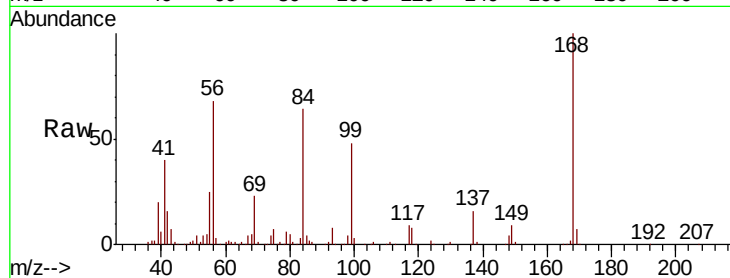
ClientSampleId :

Tot Ion:168 Resp: 501419

Ion Ratio Lower Upper

168 100

99 47.8 40.7 61.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

250000

200000

150000

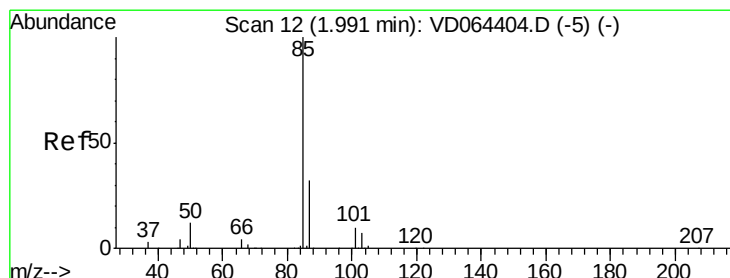
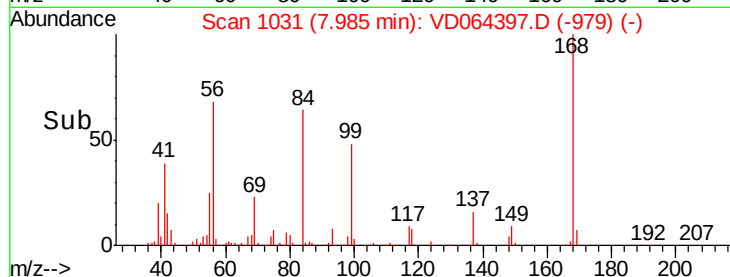
100000

50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 47.645 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD064397.D

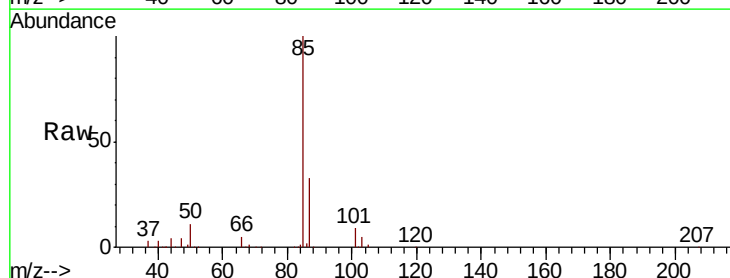
Acq: 27 Nov 2019 15:35

Tgt Ion: 85 Resp: 216468

Ion Ratio Lower Upper

85 100

87 33.1 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

150000

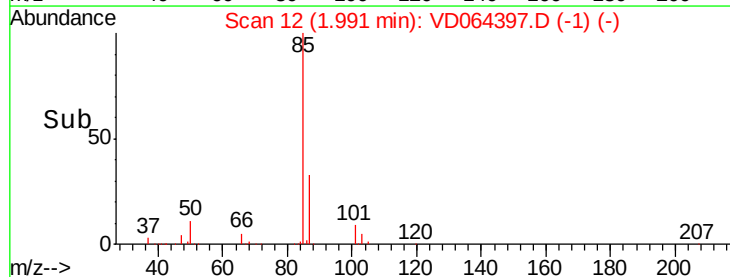
100000

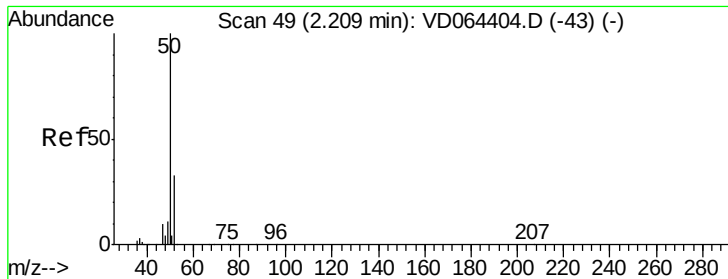
50000

0

1.90 1.95 2.00 2.05 2.10

Time-->





#3

Chloromethane

Concen: 46.008 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD064397.D

Acq: 27 Nov 2019 15:35

Instrument :

MSVOA_D

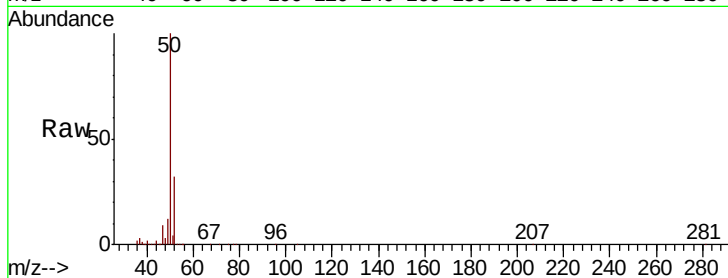
ClientSampleId :

Tot Ion: 50 Resp: 263643

Ion Ratio Lower Upper

50 100

52 31.8 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

200000

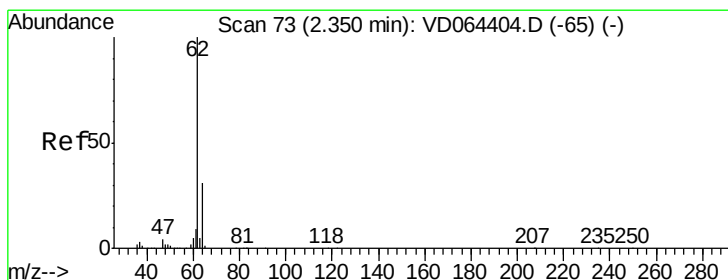
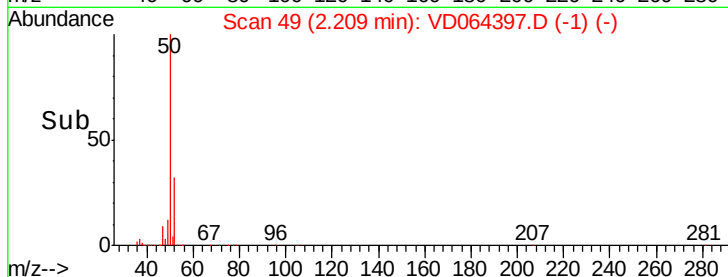
150000

100000

50000

0

Time-->



#4

Vinyl Chloride

Concen: 48.945 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD064397.D

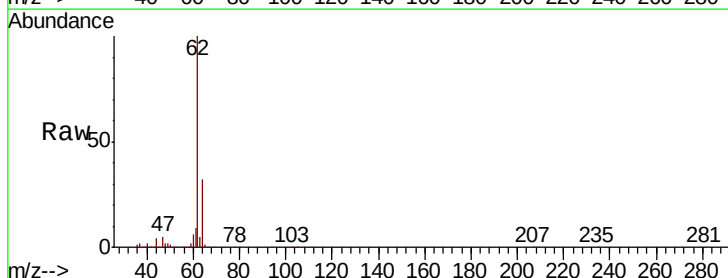
Acq: 27 Nov 2019 15:35

Tgt Ion: 62 Resp: 323840

Ion Ratio Lower Upper

62 100

64 32.1 25.0 37.4



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC

2.35

250000

200000

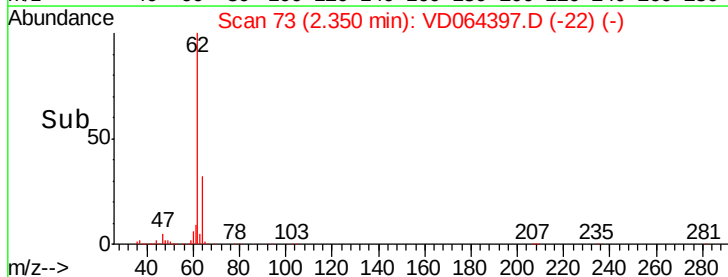
150000

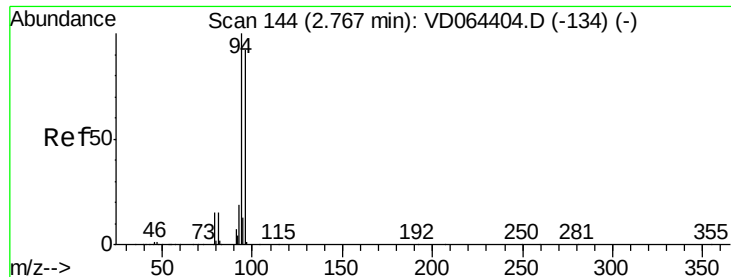
100000

50000

0

Time-->





#5

Bromomethane

Concen: 45.403 ug/l

RT: 2.77 min Scan# 144

Delta R.T. 0.00 min

Lab File: VD064397.D

Acq: 27 Nov 2019 15:35

Instrument :

MSVOA_D

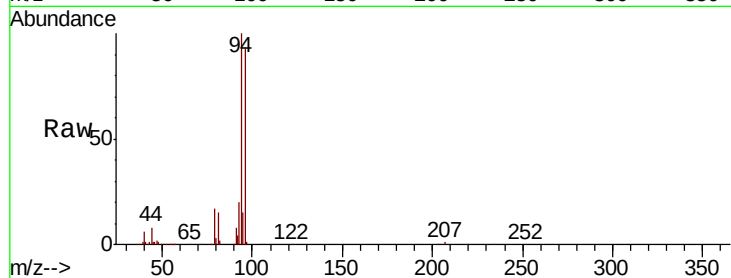
ClientSampleId :

Tot Ion: 94 Resp: 222151

Ion Ratio Lower Upper

94 100

96 92.7 73.6 110.4



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

2.77

100000

80000

60000

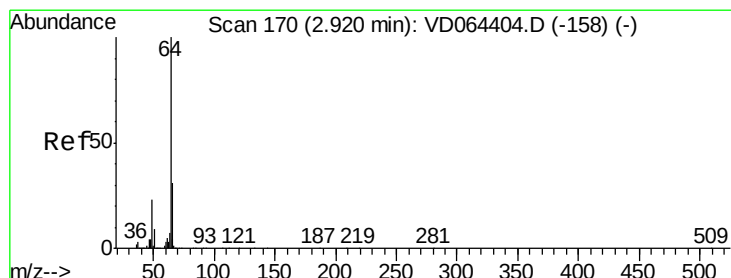
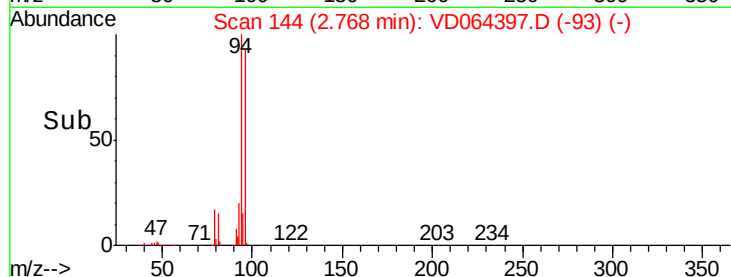
40000

20000

0

Time-->

2.70 2.80 2.90



#6

Chloroethane

Concen: 47.589 ug/l

RT: 2.92 min Scan# 170

Delta R.T. 0.00 min

Lab File: VD064397.D

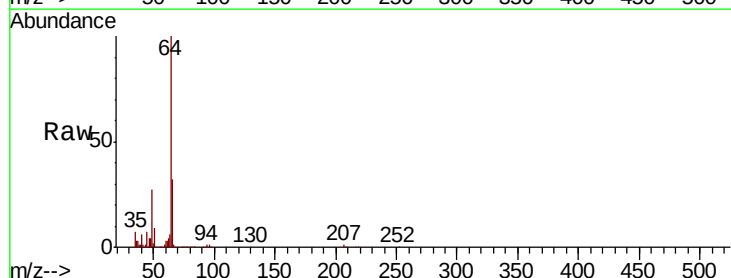
Acq: 27 Nov 2019 15:35

Tgt Ion: 64 Resp: 210456

Ion Ratio Lower Upper

64 100

66 31.5 24.6 37.0



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC

2.92

100000

80000

60000

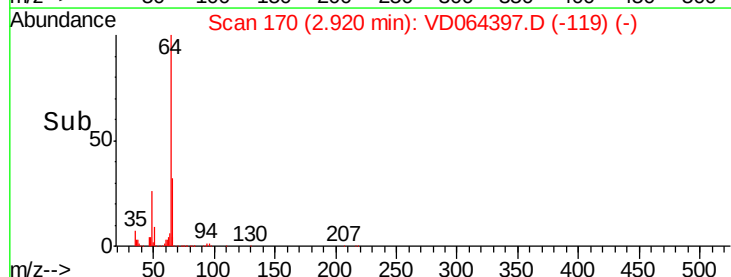
40000

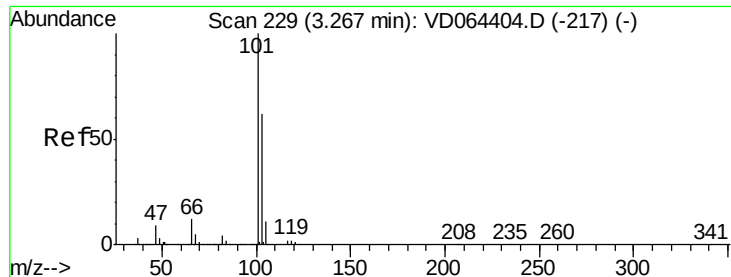
20000

0

Time-->

2.80 2.90 3.00



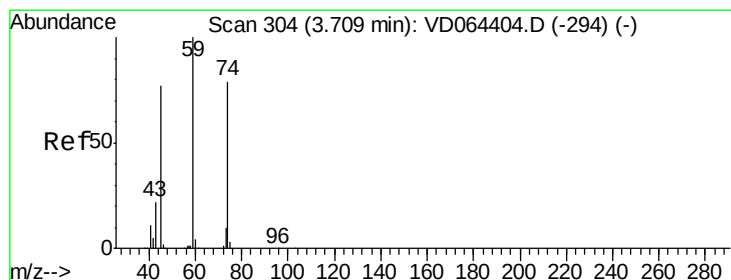
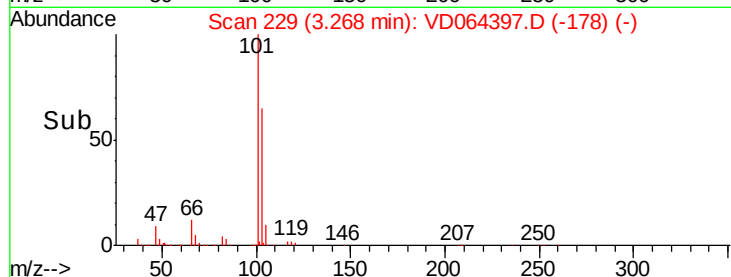
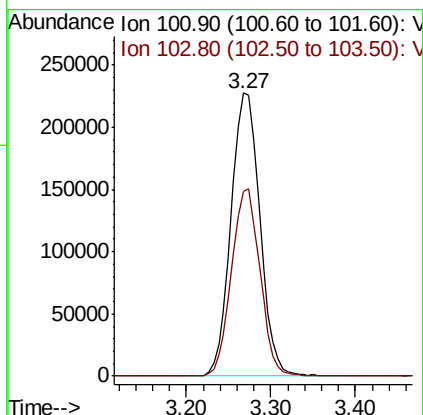
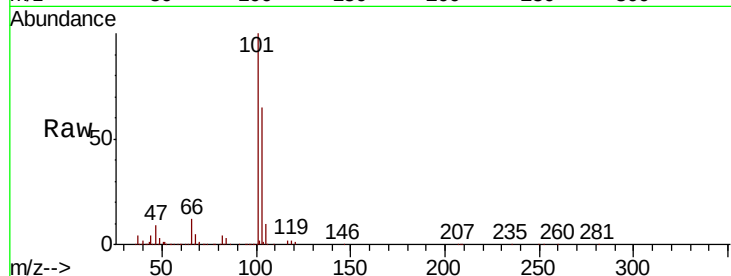


#7

Trichlorofluoromethane
Concen: 48.842 ug/l
RT: 3.27 min Scan# 229
Delta R.T. 0.00 min
Lab File: VD064397.D
Acq: 27 Nov 2019 15:35

Instrument :
MSVOA_D
ClientSampleId :

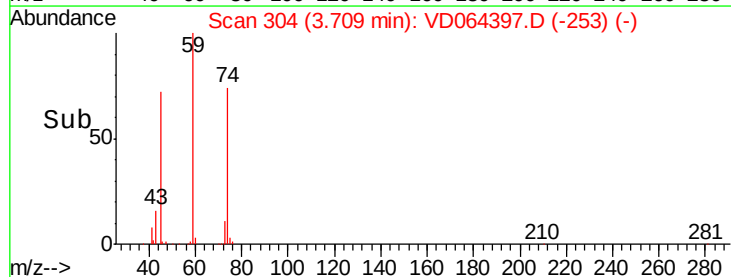
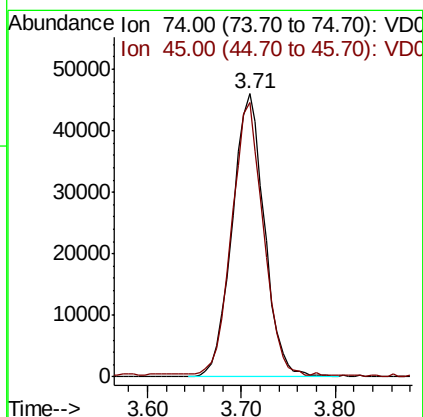
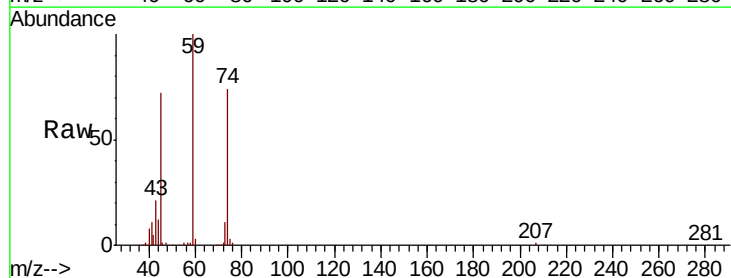
Tot Ion:101 Resp: 537218
Ion Ratio Lower Upper
101 100
103 65.4 49.8 74.6

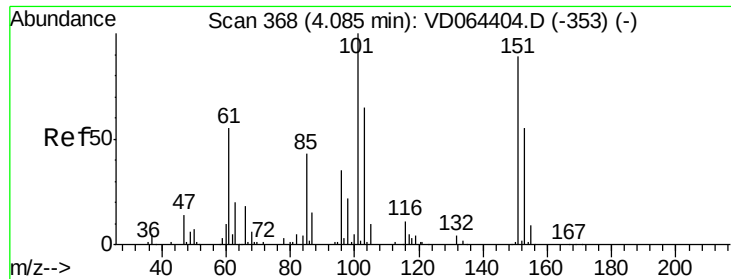


#8

Diethyl Ether
Concen: 47.870 ug/l
RT: 3.71 min Scan# 304
Delta R.T. 0.00 min
Lab File: VD064397.D
Acq: 27 Nov 2019 15:35

Tgt Ion: 74 Resp: 109414
Ion Ratio Lower Upper
74 100
45 93.3 48.6 145.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.619 ug/l

RT: 4.08 min Scan# 367

Delta R.T. -0.01 min

Lab File: VD064397.D

Acq: 27 Nov 2019 15:35

Instrument :

MSVOA_D

ClientSampleId :

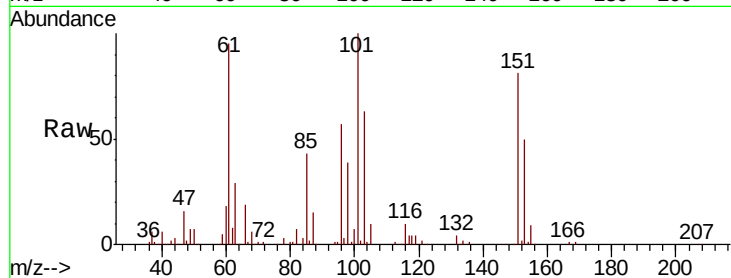
Tot Ion:101 Resp: 229292

Ion Ratio Lower Upper

101 100

85 44.5 34.8 52.2

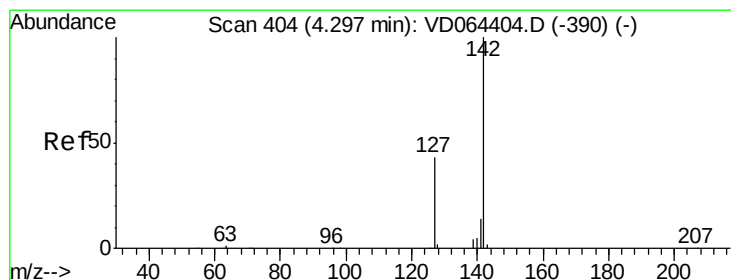
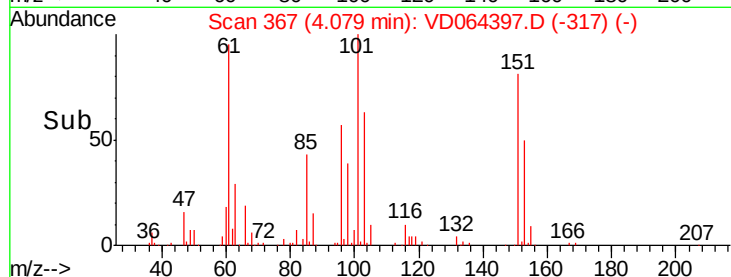
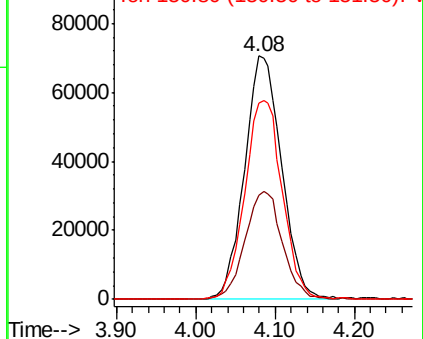
151 82.7 68.8 103.2



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: 55.174 ug/l

RT: 4.29 min Scan# 403

Delta R.T. -0.01 min

Lab File: VD064397.D

Acq: 27 Nov 2019 15:35

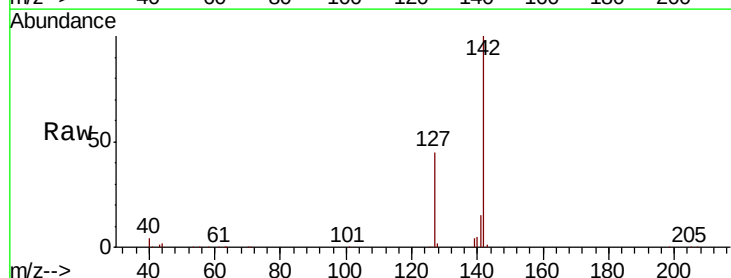
Tgt Ion:142 Resp: 274789

Ion Ratio Lower Upper

142 100

127 44.2 35.3 52.9

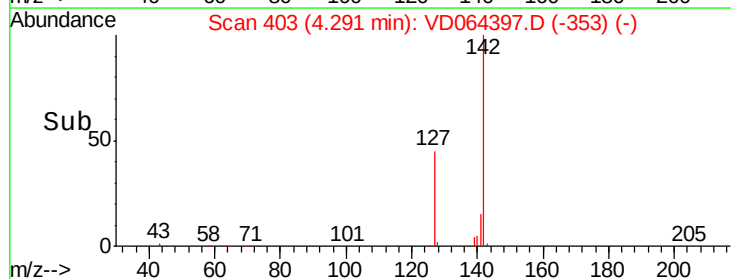
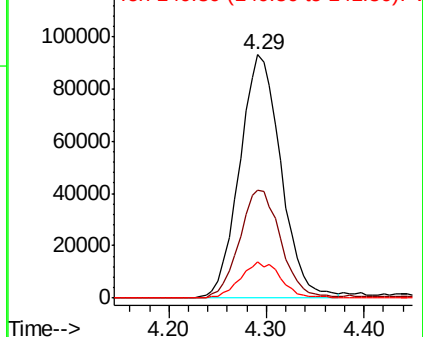
141 14.7 11.6 17.4

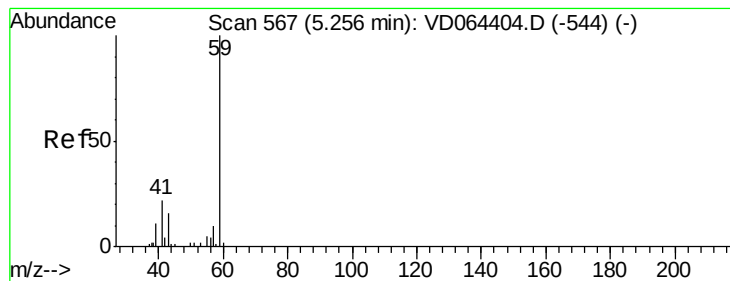


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



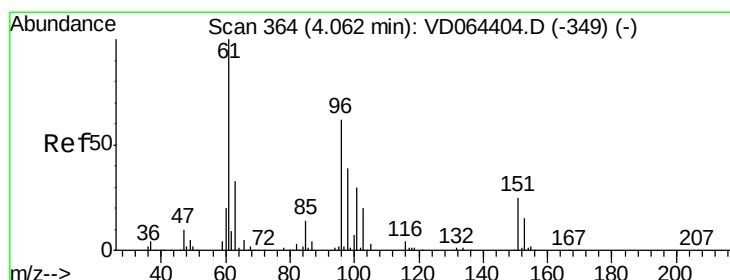
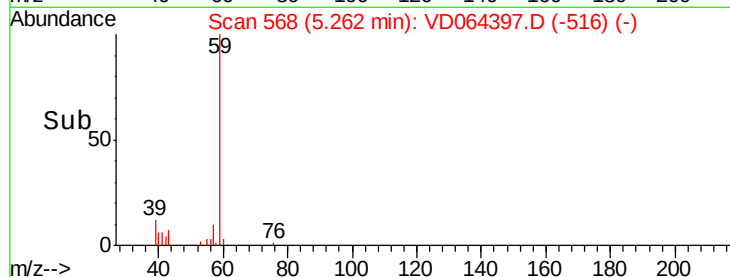
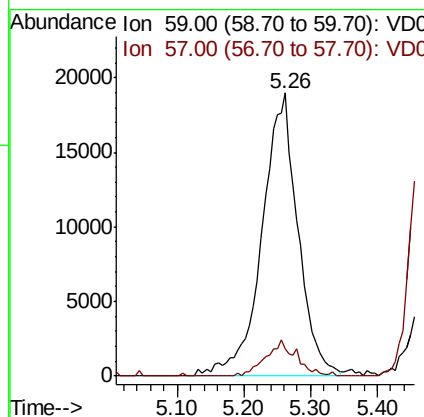
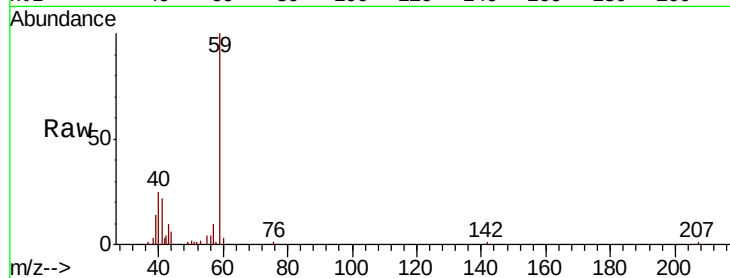


#11

Tert butyl alcohol
Concen: 246.452 ug/l
RT: 5.26 min Scan# 568
Delta R.T. 0.01 min
Lab File: VD064397.D
Acq: 27 Nov 2019 15:35

Instrument :
MSVOA_D
ClientSampleId :

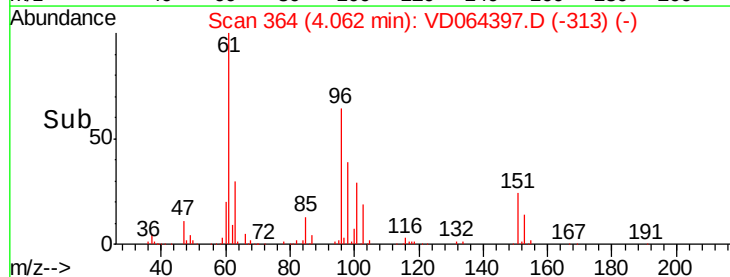
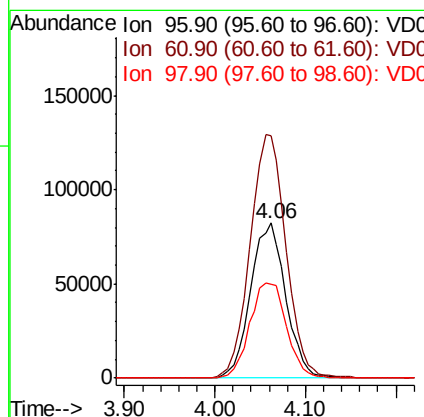
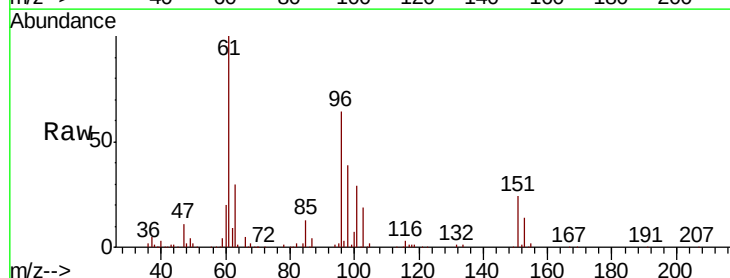
Tot Ion: 59 Resp: 71201
Ion Ratio Lower Upper
59 100
57 11.0 0.0 0.0#

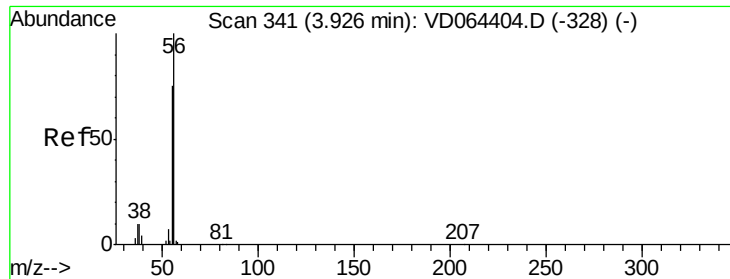


#12

1,1-Dichloroethene
Concen: 48.912 ug/l
RT: 4.06 min Scan# 364
Delta R.T. 0.00 min
Lab File: VD064397.D
Acq: 27 Nov 2019 15:35

Tgt Ion: 96 Resp: 221058
Ion Ratio Lower Upper
96 100
61 156.1 128.2 192.4
98 60.6 50.4 75.6





#13

Acrolein

Concen: 217.335 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.01 min

Lab File: VD064397.D

Acq: 27 Nov 2019 15:35

Instrument :

MSVOA_D

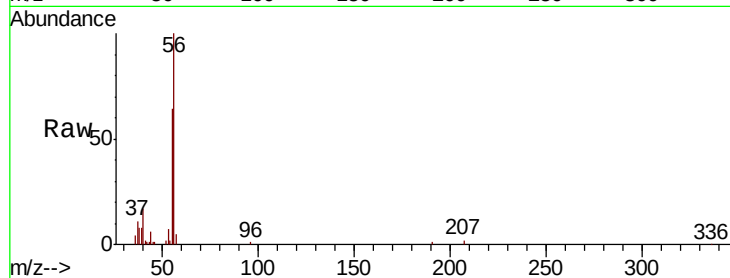
ClientSampleId :

Tot Ion: 56 Resp: 85643

Ion Ratio Lower Upper

56 100

55 69.6 56.9 85.3

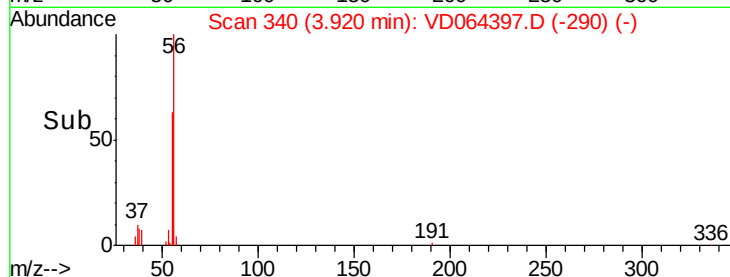


Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

3.92

Time-->



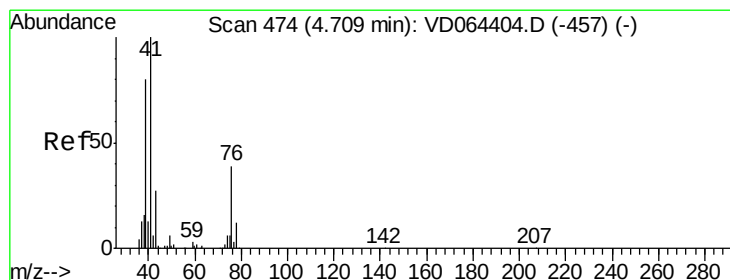
Abundance

Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

3.92

Time-->



#14

Allyl chloride

Concen: 49.374 ug/l

RT: 4.71 min Scan# 474

Delta R.T. 0.00 min

Lab File: VD064397.D

Acq: 27 Nov 2019 15:35

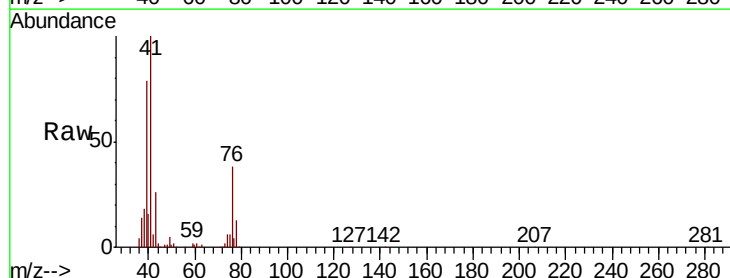
Tgt Ion: 41 Resp: 348253

Ion Ratio Lower Upper

41 100

39 75.9 62.1 93.1

76 38.0 29.8 44.8



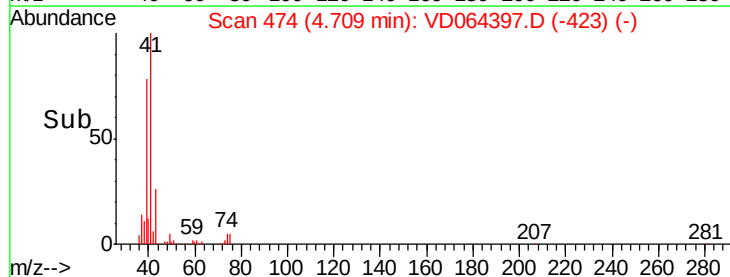
Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC

4.71

Time-->



Abundance

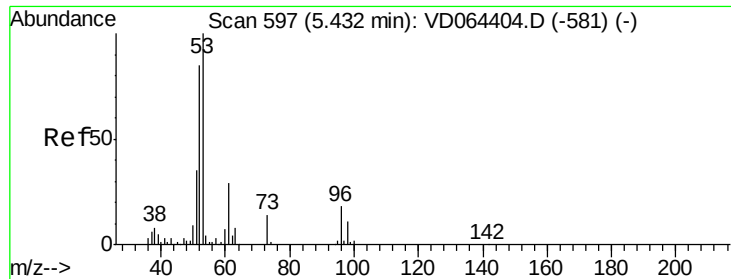
Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC

4.71

Time-->



#15

Acrylonitrile

Concen: 240.982 ug/l

RT: 5.43 min Scan# 596

Delta R.T. -0.01 min

Lab File: VD064397.D

Acq: 27 Nov 2019 15:35

Instrument :

MSVOA_D

ClientSampleId :

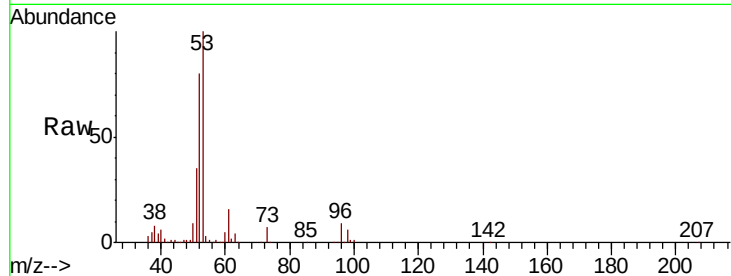
Tot Ion: 53 Resp: 240859

Ion Ratio Lower Upper

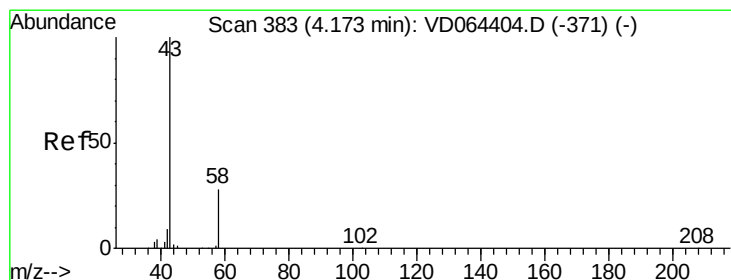
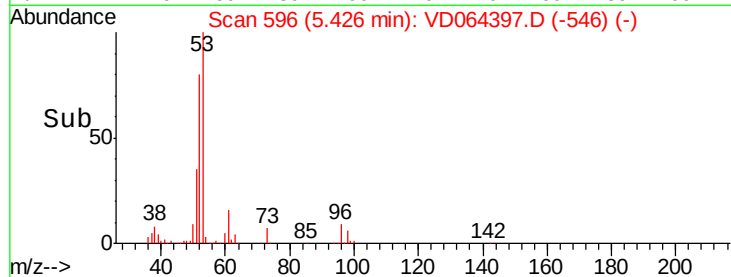
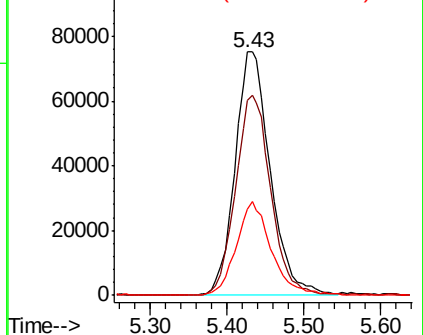
53 100

52 81.6 67.9 101.9

51 38.3 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: 260.426 ug/l

RT: 4.17 min Scan# 382

Delta R.T. -0.01 min

Lab File: VD064397.D

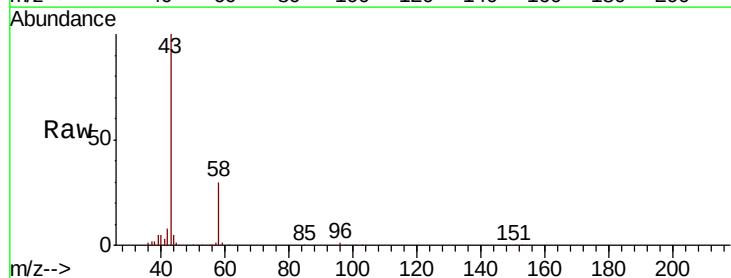
Acq: 27 Nov 2019 15:35

Tgt Ion: 43 Resp: 238851

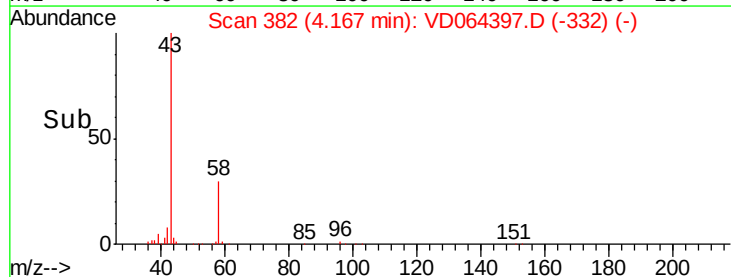
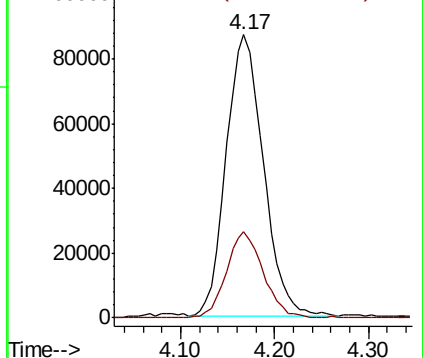
Ion Ratio Lower Upper

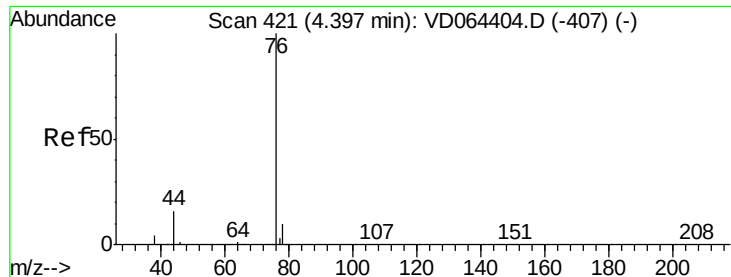
43 100

58 30.4 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: 50.389 ug/l

RT: 4.40 min Scan# 421

Delta R.T. 0.00 min

Lab File: VD064397.D

Acq: 27 Nov 2019 15:35

Instrument :

MSVOA_D

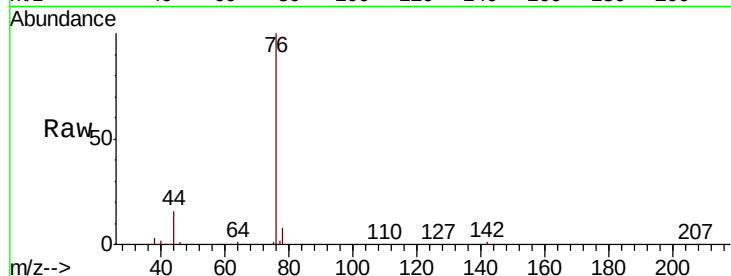
ClientSampleId :

Tot Ion: 76 Resp: 721272

Ion Ratio Lower Upper

76 100

78 8.4 7.8 11.8



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC

4.40

250000

200000

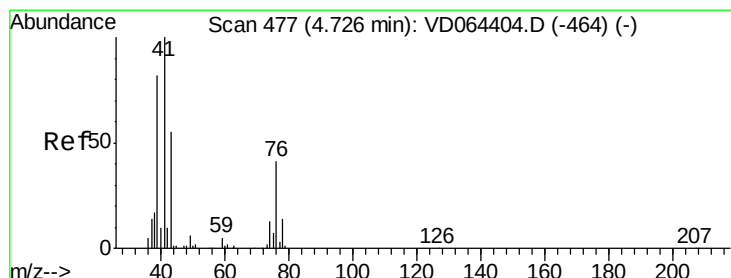
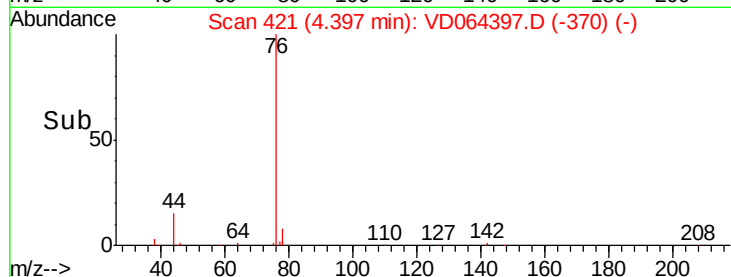
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 47.078 ug/l

RT: 4.72 min Scan# 476

Delta R.T. -0.01 min

Lab File: VD064397.D

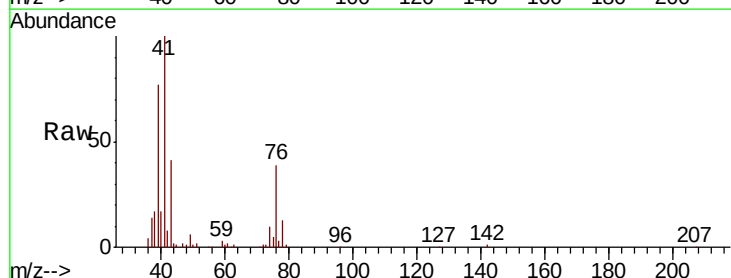
Acq: 27 Nov 2019 15:35

Tgt Ion: 43 Resp: 125946

Ion Ratio Lower Upper

43 100

74 24.5 19.7 29.5



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC

4.72

40000

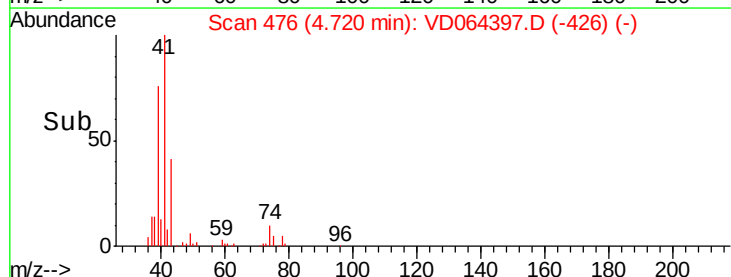
30000

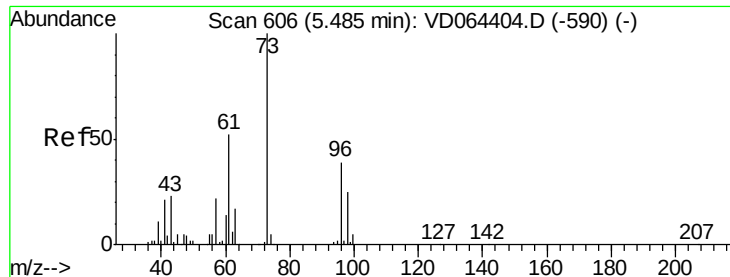
20000

10000

0

Time-->



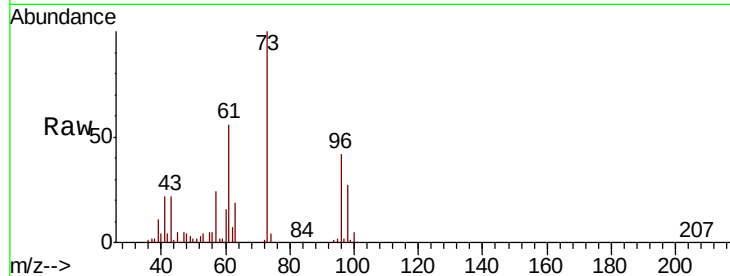


#19

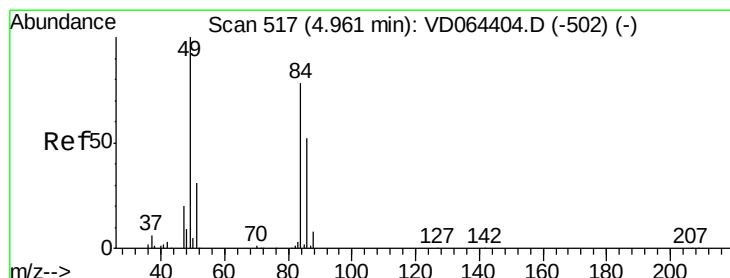
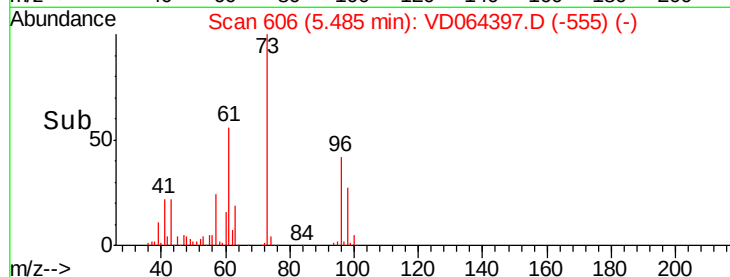
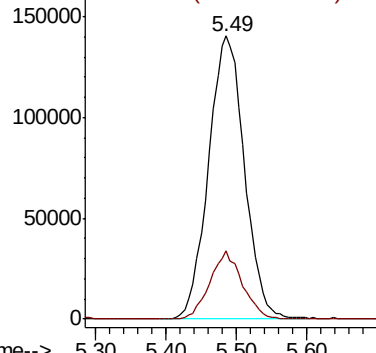
Methyl tert-butyl Ether
 Concen: 47.956 ug/l
 RT: 5.49 min Scan# 606
 Delta R.T. 0.00 min
 Lab File: VD064397.D
 Acq: 27 Nov 2019 15:35

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion: 73 Resp: 497166
 Ion Ratio Lower Upper
 73 100
 57 23.9 17.6 26.4



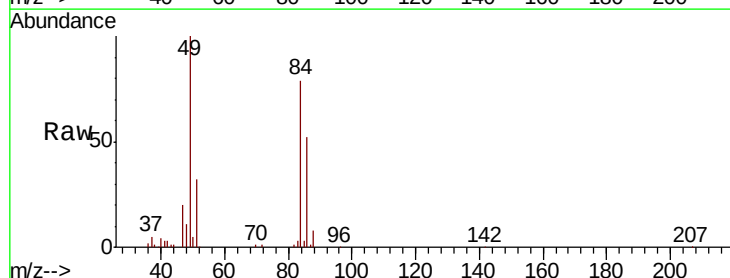
Abundance Ion 73.00 (72.70 to 73.70): VDC
 Ion 57.00 (56.70 to 57.70): VDC



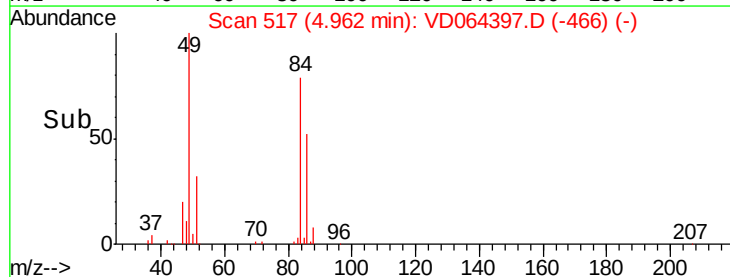
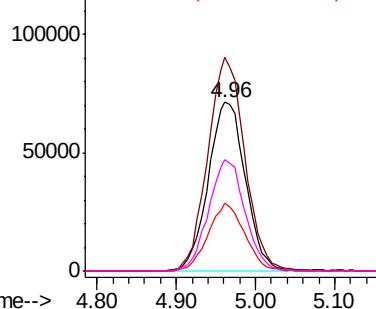
#20

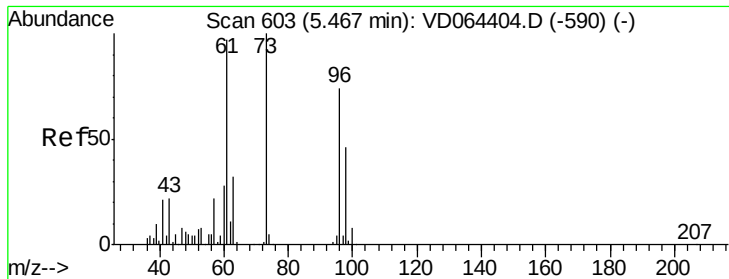
Methylene Chloride
 Concen: 49.816 ug/l
 RT: 4.96 min Scan# 517
 Delta R.T. 0.00 min
 Lab File: VD064397.D
 Acq: 27 Nov 2019 15:35

Tgt Ion: 84 Resp: 232224
 Ion Ratio Lower Upper
 84 100
 49 126.8 102.6 153.8
 51 40.4 32.0 48.0
 86 65.8 53.4 80.0



Abundance Ion 83.90 (83.60 to 84.60): VDC
 Ion 48.90 (48.60 to 49.60): VDC
 Ion 50.90 (50.60 to 51.60): VDC
 Ion 85.90 (85.60 to 86.60): VDC





#21

trans-1,2-Dichloroethene

Concen: 48.691 ug/l

RT: 5.47 min Scan# 603

Delta R.T. 0.00 min

Lab File: VD064397.D

Acq: 27 Nov 2019 15:35

Instrument :

MSVOA_D

ClientSampled :

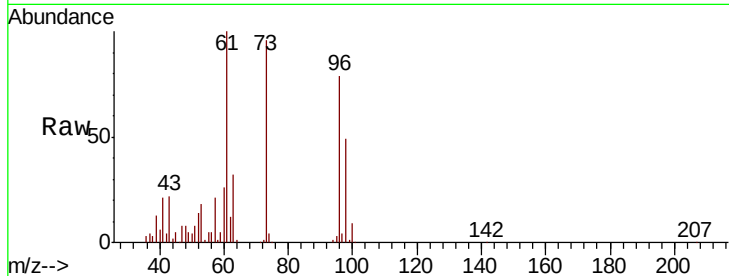
Tot Ion: 96 Resp: 248925

Ion Ratio Lower Upper

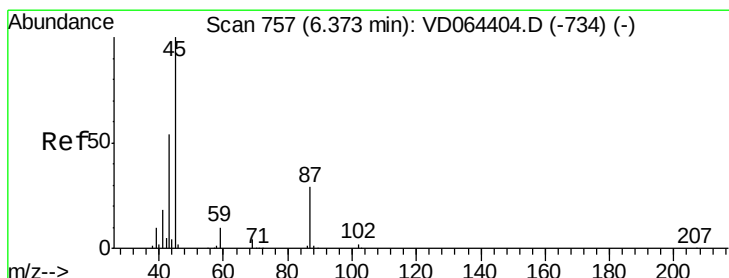
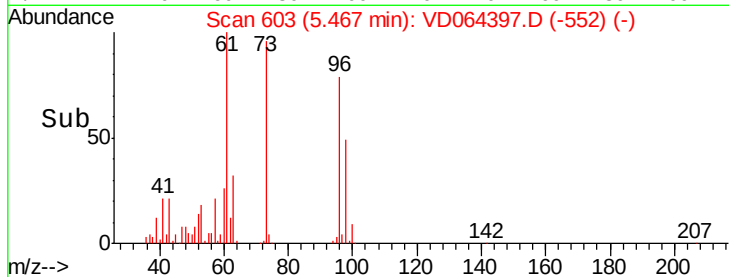
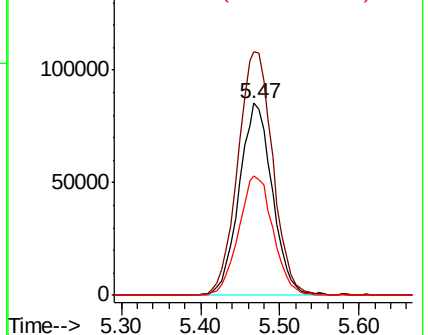
96 100

61 126.7 105.8 158.6

98 62.2 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: 47.293 ug/l

RT: 6.37 min Scan# 757

Delta R.T. 0.00 min

Lab File: VD064397.D

Acq: 27 Nov 2019 15:35

Tgt Ion: 45 Resp: 658508

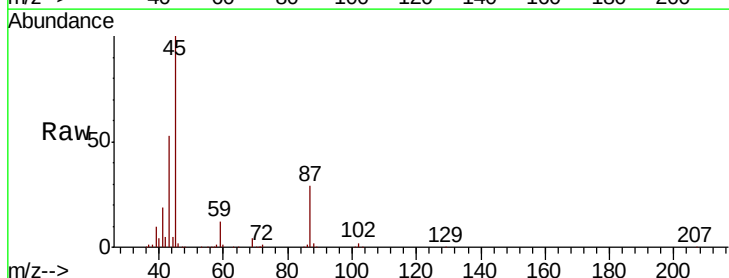
Ion Ratio Lower Upper

45 100

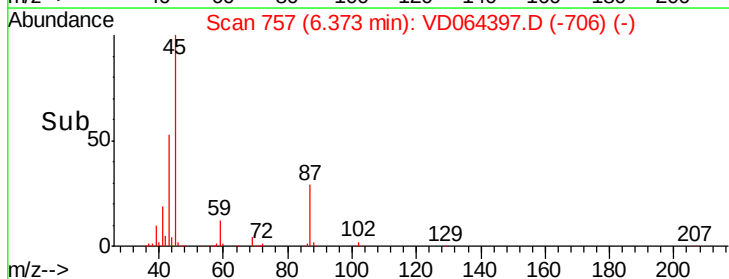
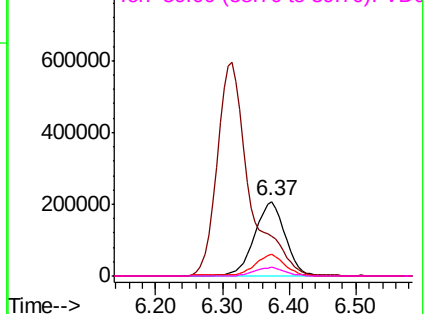
43 52.5 43.1 64.7

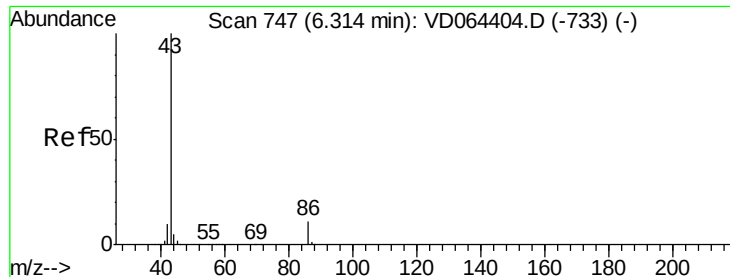
87 28.6 23.5 35.3

59 11.8 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: 246.315 ug/l

RT: 6.31 min Scan# 747

Delta R.T. 0.00 min

Lab File: VD064397.D

Acq: 27 Nov 2019 15:35

Instrument :

MSVOA_D

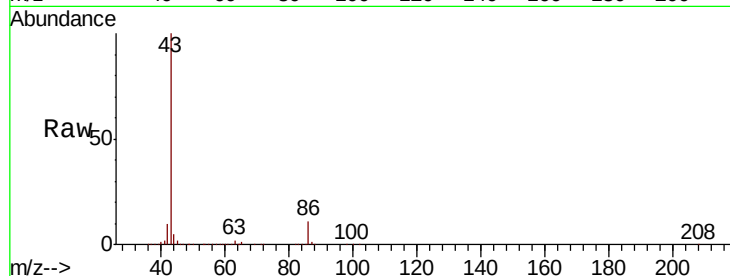
ClientSampleId :

Tot Ion: 43 Resp: 2021940

Ion Ratio Lower Upper

43 100

86 10.6 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

600000

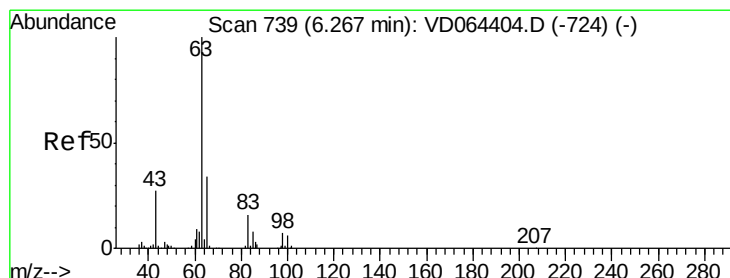
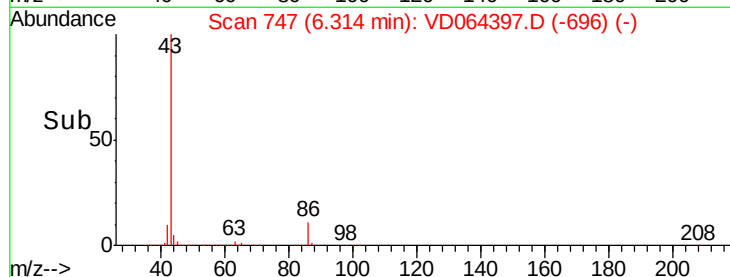
400000

200000

0

Time-->

6.20 6.40



#24

1,1-Dichloroethane

Concen: 48.846 ug/l

RT: 6.27 min Scan# 739

Delta R.T. 0.00 min

Lab File: VD064397.D

Acq: 27 Nov 2019 15:35

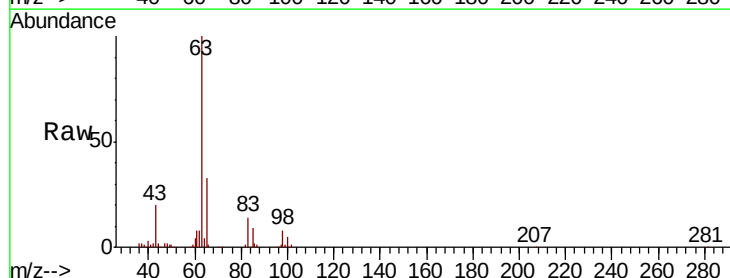
Tgt Ion: 63 Resp: 409028

Ion Ratio Lower Upper

63 100

98 7.8 3.6 10.9

100 4.8 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

6.27

150000

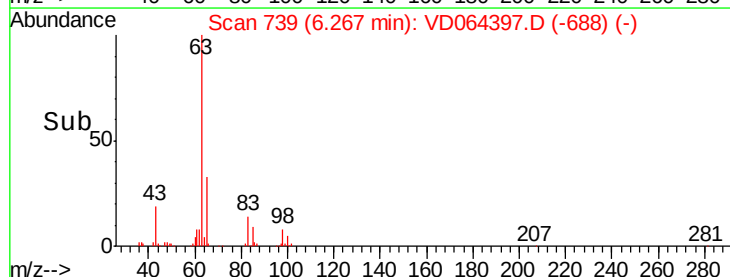
100000

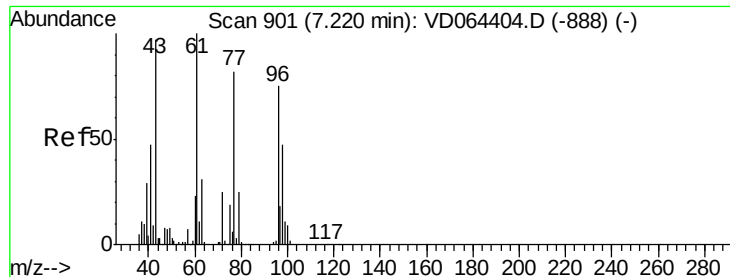
50000

0

Time-->

6.10 6.20 6.30 6.40





#25

2-Butanone

Concen: 247.080 ug/l

RT: 7.22 min Scan# 901

Delta R.T. 0.00 min

Lab File: VD064397.D

Acq: 27 Nov 2019 15:35

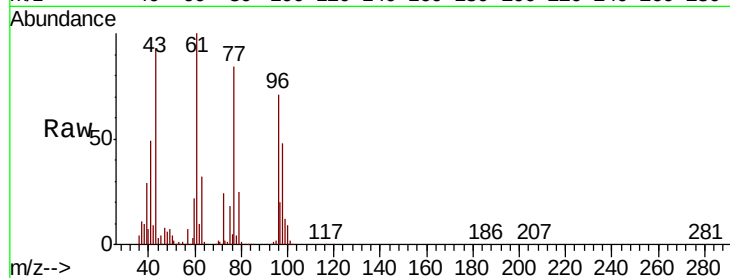
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 43 Resp: 320474

Ion Ratio Lower Upper

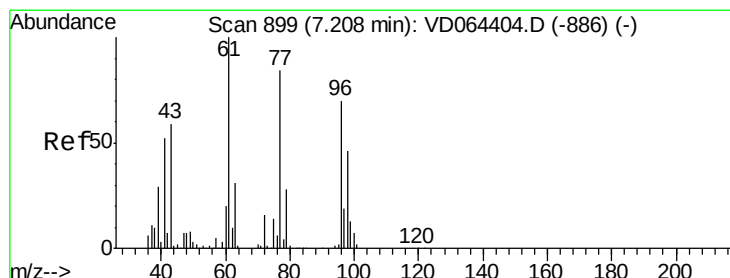
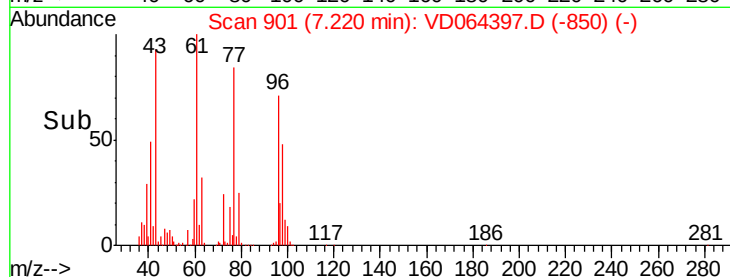
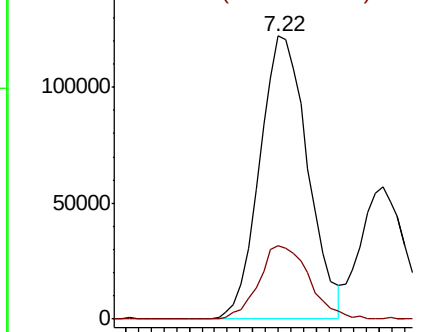
43 100

72 26.2 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: 50.359 ug/l

RT: 7.21 min Scan# 899

Delta R.T. 0.00 min

Lab File: VD064397.D

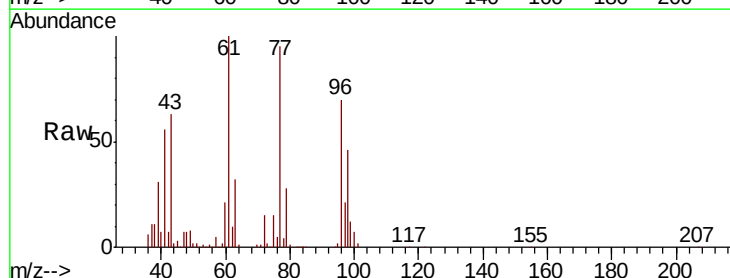
Acq: 27 Nov 2019 15:35

Tgt Ion: 77 Resp: 366727

Ion Ratio Lower Upper

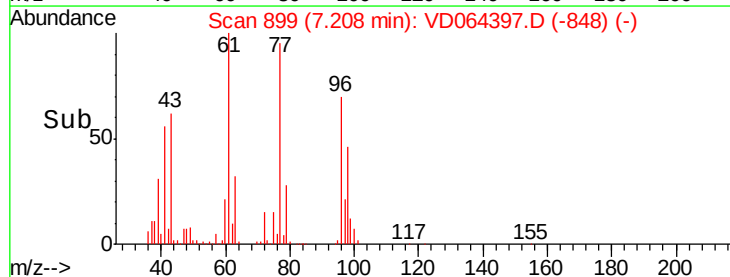
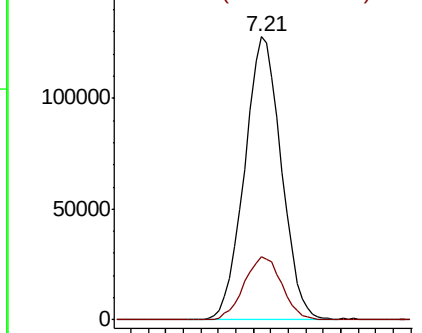
77 100

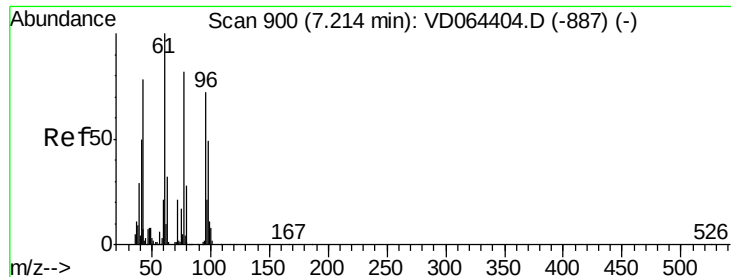
97 22.9 11.6 34.7



Abundance Ion 76.90 (76.60 to 77.60): VDC

Ion 96.90 (96.60 to 97.60): VDC



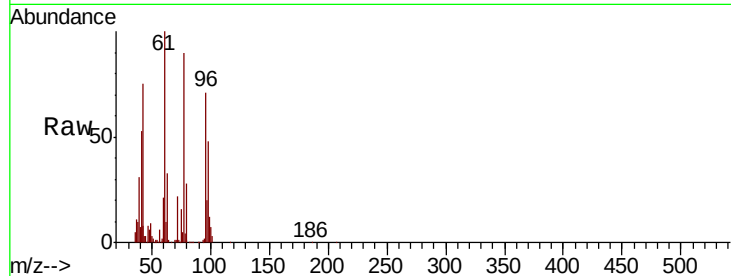


#27

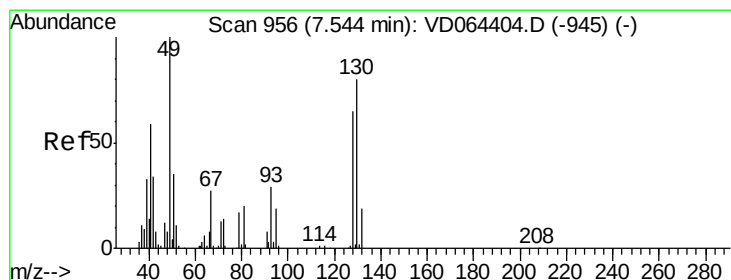
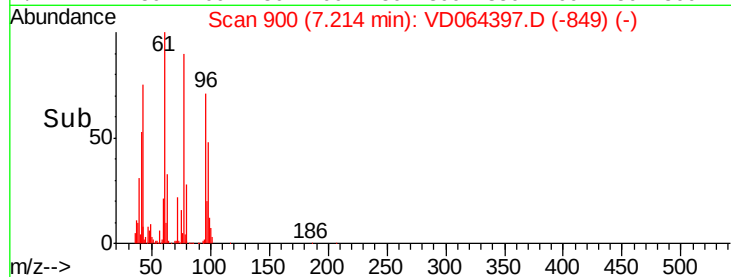
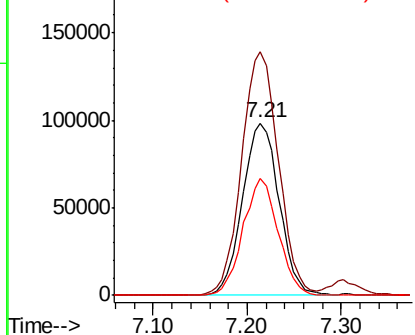
cis-1,2-Dichloroethene
 Concen: 47.722 ug/l
 RT: 7.21 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: VD064397.D
 Acq: 27 Nov 2019 15:35

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
96	100		
61	142.1	0.0	279.6
98	65.2	0.0	129.2



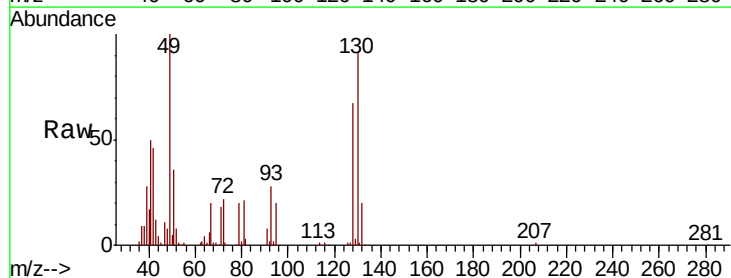
Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.90 (60.60 to 61.60): VDC
 Ion 97.90 (97.60 to 98.60): VDC



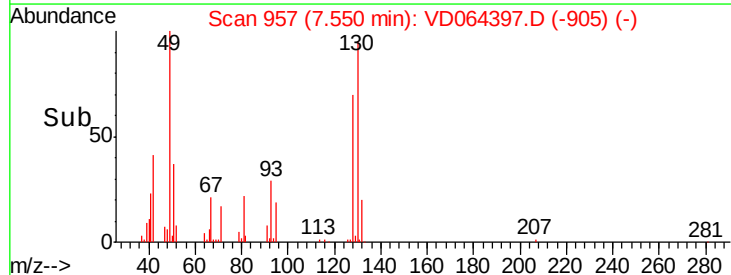
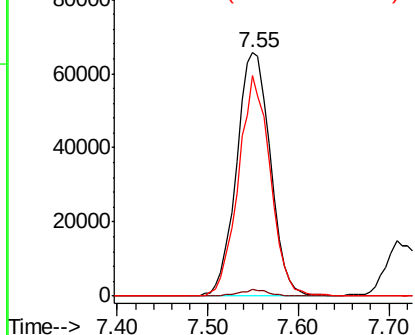
#28

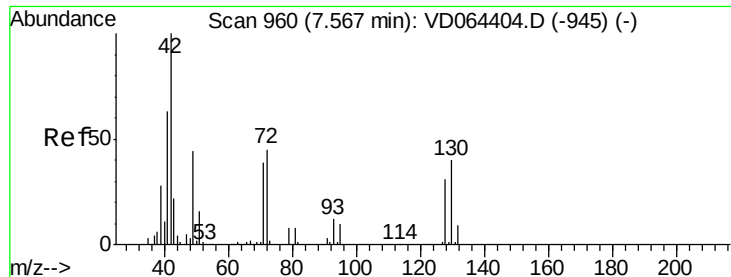
Bromochloromethane
 Concen: 59.725 ug/l
 RT: 7.55 min Scan# 957
 Delta R.T. 0.01 min
 Lab File: VD064397.D
 Acq: 27 Nov 2019 15:35

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.4	0.0	4.4
130	85.1	67.4	101.0



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

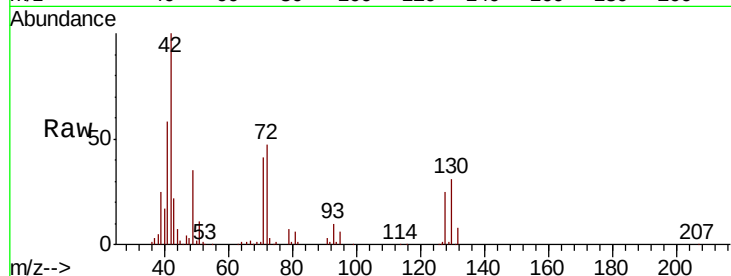




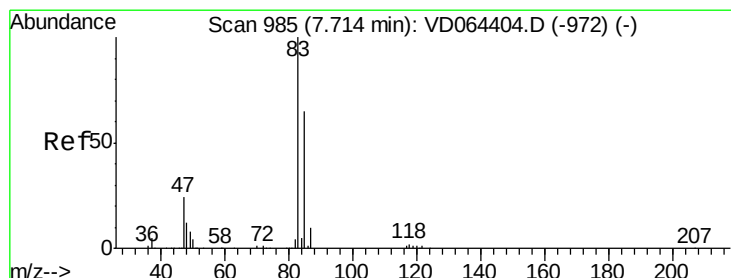
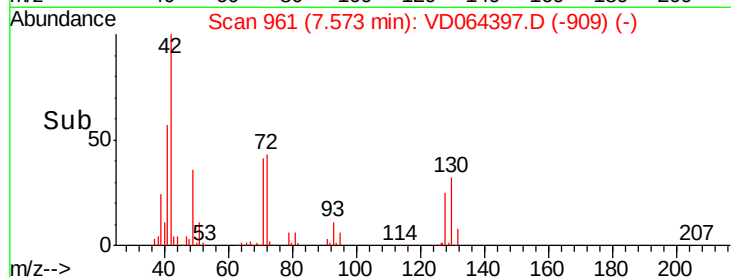
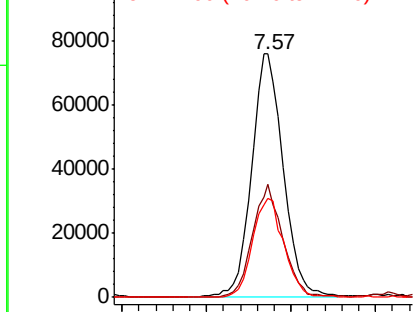
#29
Tetrahydrofuran
Concen: 241.575 ug/l
RT: 7.57 min Scan# 961
Delta R.T. 0.01 min
Lab File: VD064397.D
Acq: 27 Nov 2019 15:35

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 42 Resp: 199351
Ion Ratio Lower Upper
42 100
72 44.3 35.8 53.8
71 40.3 32.7 49.1

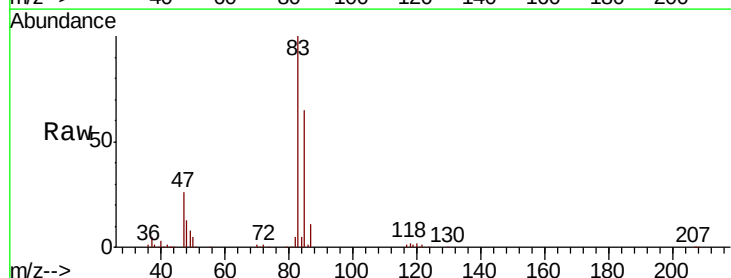


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

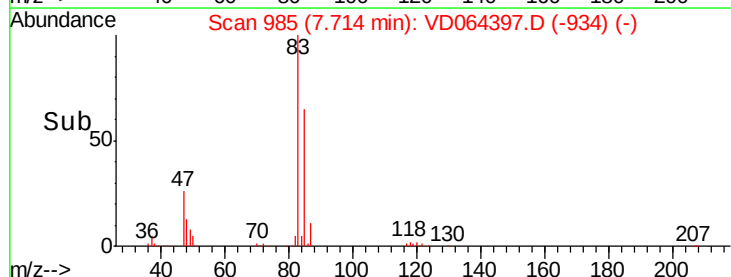
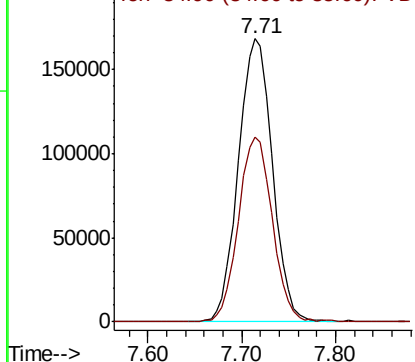


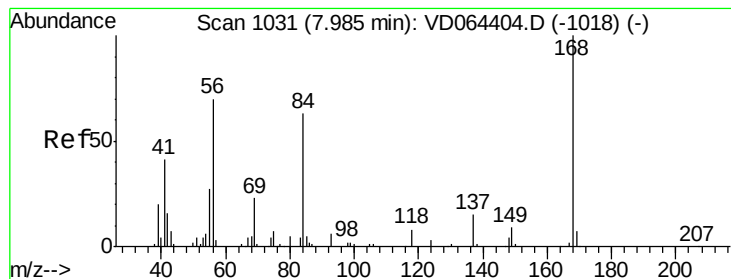
#30
Chloroform
Concen: 48.767 ug/l
RT: 7.71 min Scan# 985
Delta R.T. 0.00 min
Lab File: VD064397.D
Acq: 27 Nov 2019 15:35

Tgt Ion: 83 Resp: 422925
Ion Ratio Lower Upper
83 100
85 65.5 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: 52.590 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD064397.D

Acq: 27 Nov 2019 15:35

Instrument :
MSVOA_D
ClientSampleId :

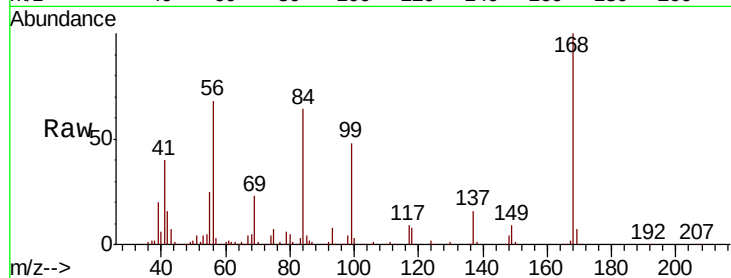
Tot Ion: 56 Resp: 382739

Ion Ratio Lower Upper

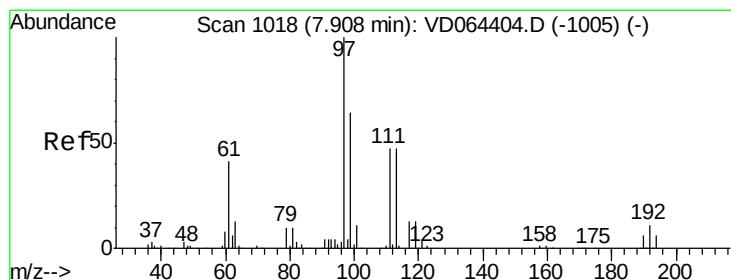
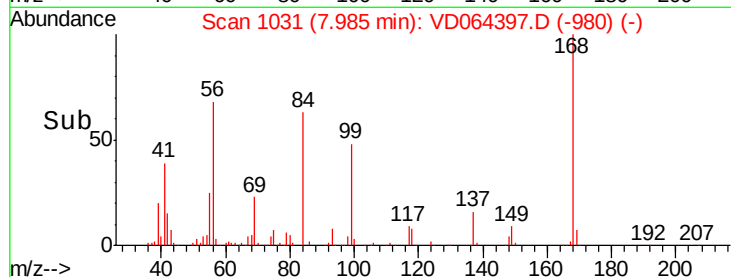
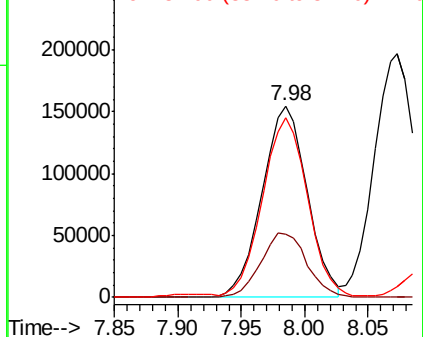
56 100

69 33.3 26.2 39.4

84 92.0 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: 49.344 ug/l

RT: 7.90 min Scan# 1017

Delta R.T. -0.01 min

Lab File: VD064397.D

Acq: 27 Nov 2019 15:35

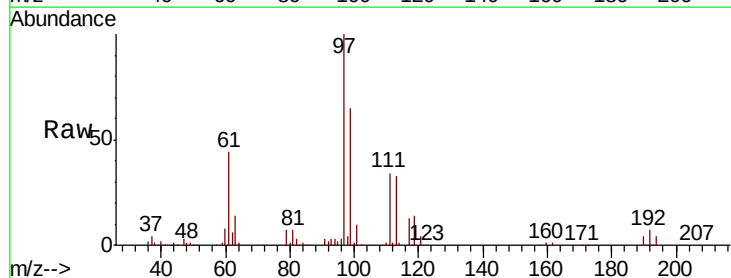
Tgt Ion: 97 Resp: 396741

Ion Ratio Lower Upper

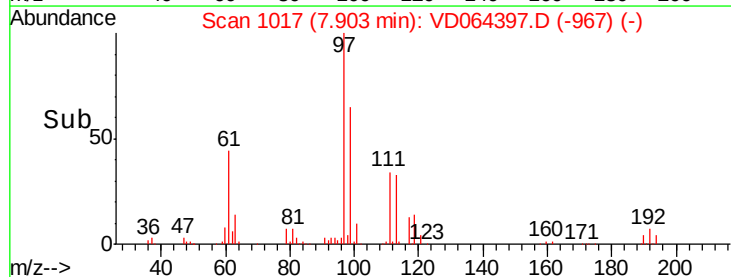
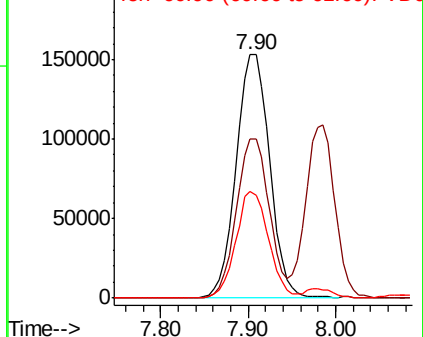
97 100

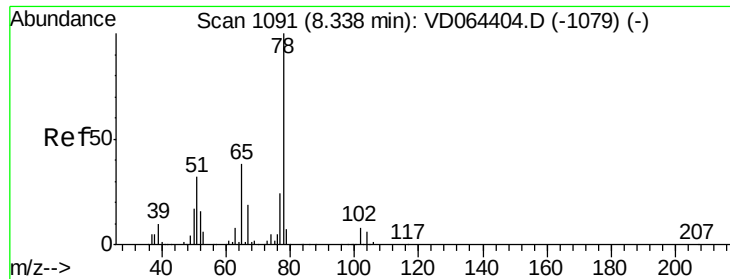
99 64.2 51.4 77.2

61 42.7 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

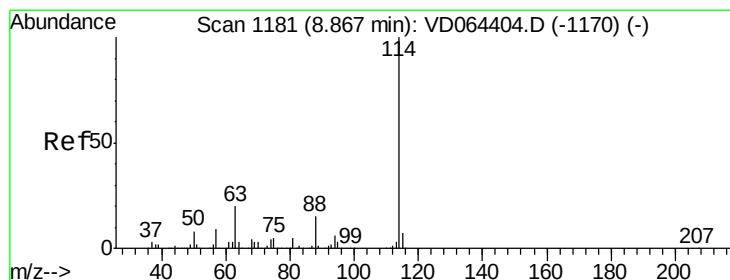
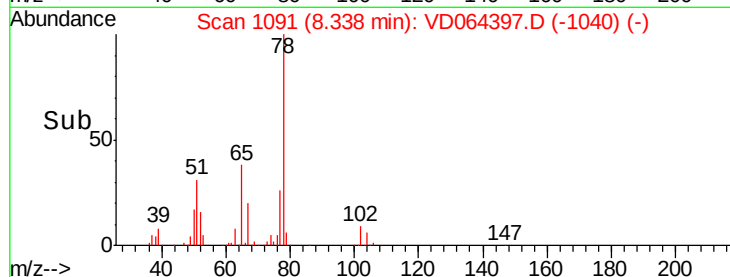
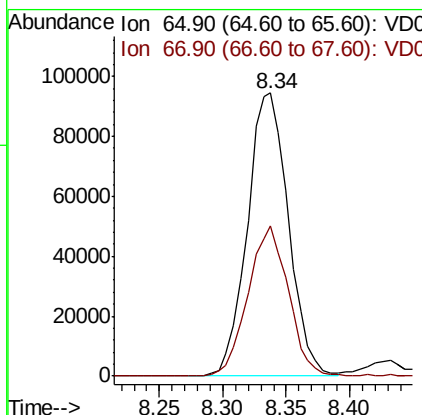
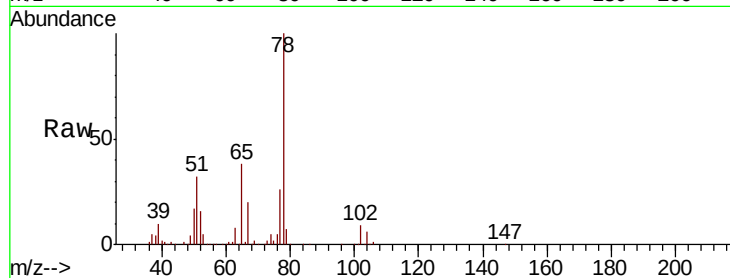




#33
 1,2-Dichloroethane-d4
 Concen: 46.889 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. 0.00 min
 Lab File: VD064397.D
 Acq: 27 Nov 2019 15:35

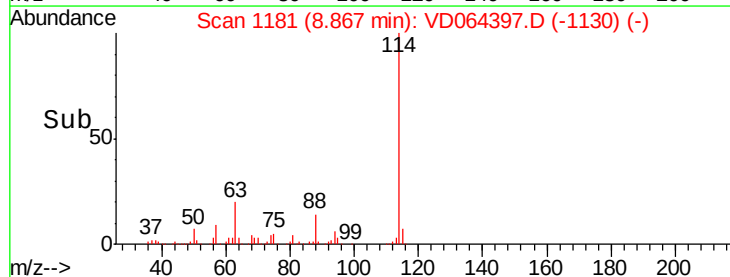
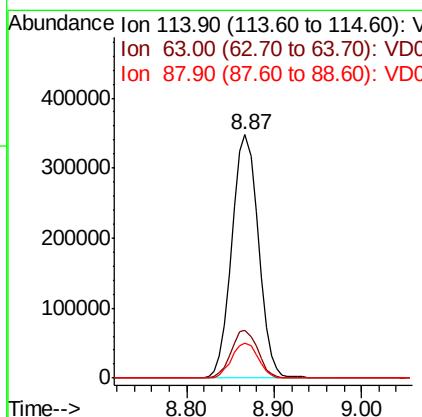
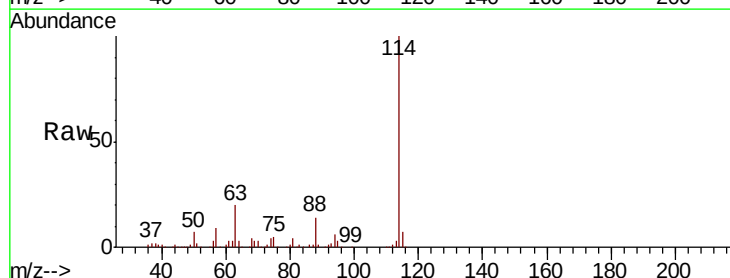
Instrument :
 MSVOA_D
 ClientSampled :

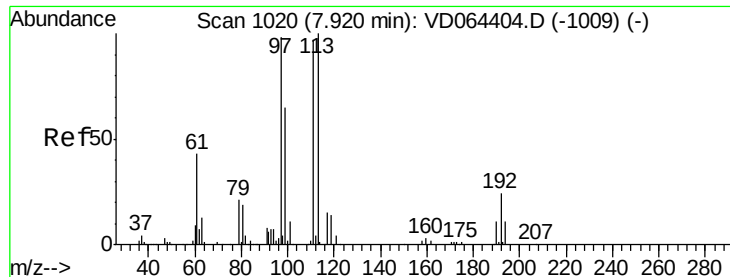
Tot Ion: 65 Resp: 212811
 Ion Ratio Lower Upper
 65 100
 67 52.2 0.0 102.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD064397.D
 Acq: 27 Nov 2019 15:35

Tgt Ion:114 Resp: 714478
 Ion Ratio Lower Upper
 114 100
 63 19.8 0.0 40.0
 88 14.3 0.0 29.2

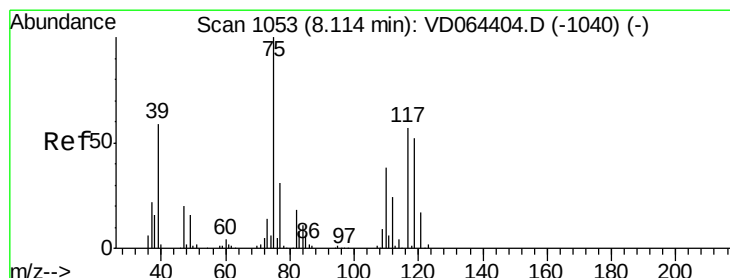
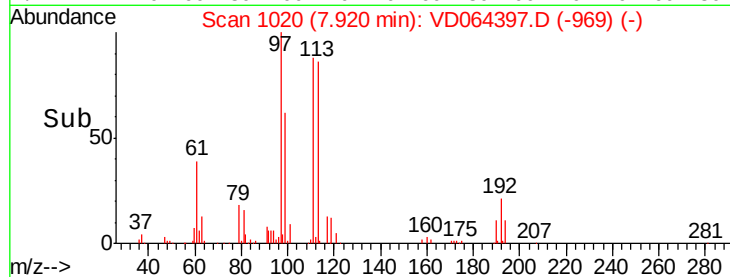
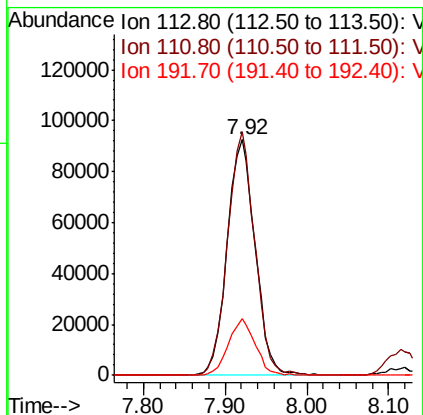
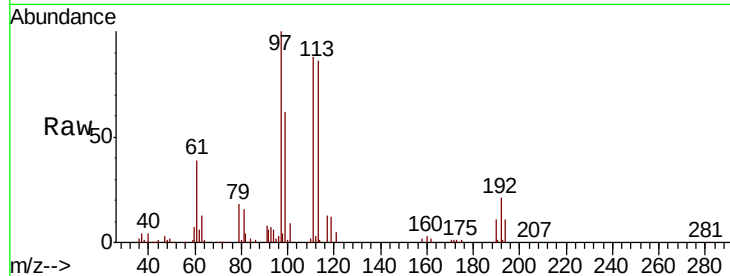




#35
 Dibromofluoromethane
 Concen: 48.941 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD064397.D
 Acq: 27 Nov 2019 15:35

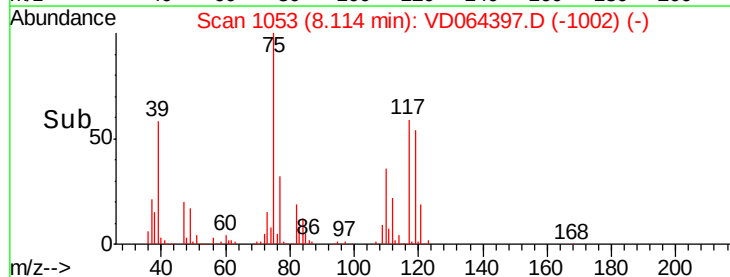
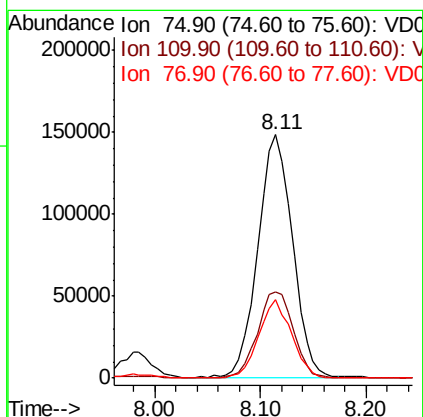
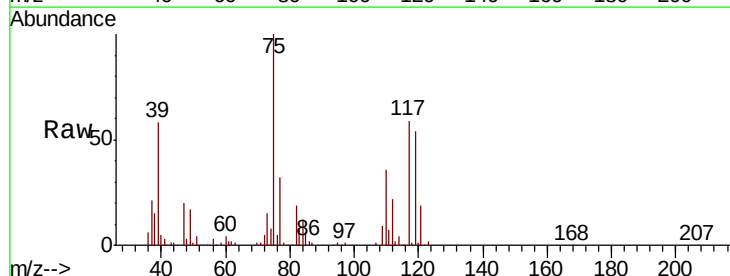
Instrument :
 MSVOA_D
 ClientSampleId :

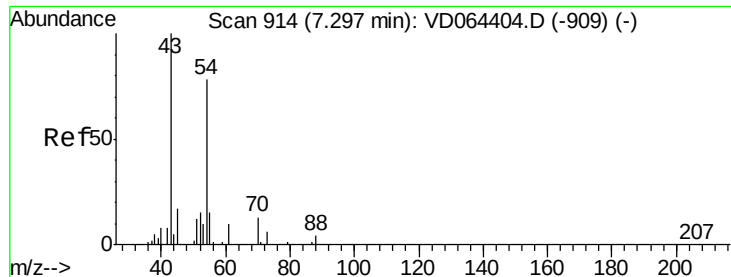
Tot Ion:113 Resp: 220313
 Ion Ratio Lower Upper
 113 100
 111 100.5 79.4 119.2
 192 22.9 18.6 28.0



#36
 1,1-Dichloropropene
 Concen: 50.177 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. 0.00 min
 Lab File: VD064397.D
 Acq: 27 Nov 2019 15:35

Tgt Ion: 75 Resp: 339094
 Ion Ratio Lower Upper
 75 100
 110 36.7 18.6 55.8
 77 30.8 25.0 37.4

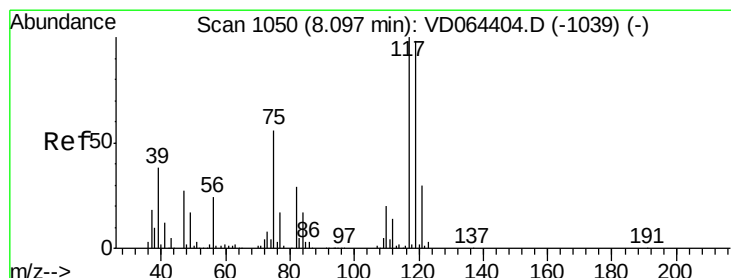
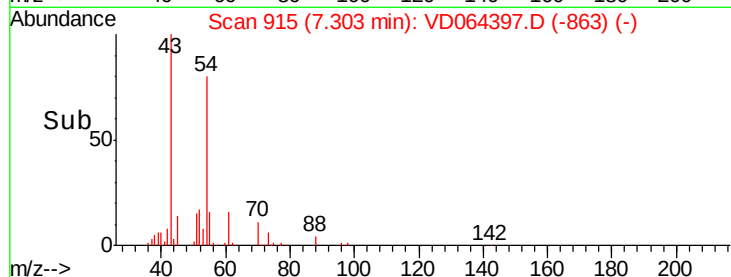
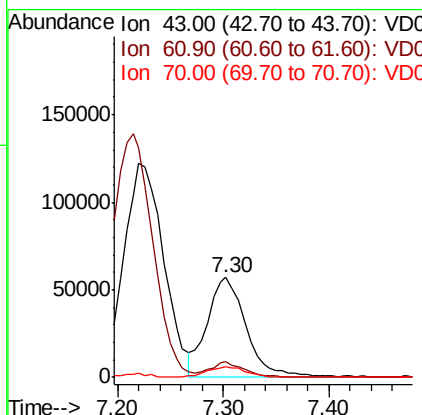
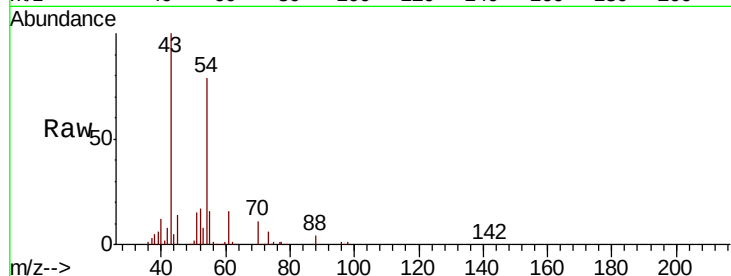




#37
Ethyl Acetate
Concen: 50.040 ug/l
RT: 7.30 min Scan# 915
Delta R.T. 0.01 min
Lab File: VD064397.D
Acq: 27 Nov 2019 15:35

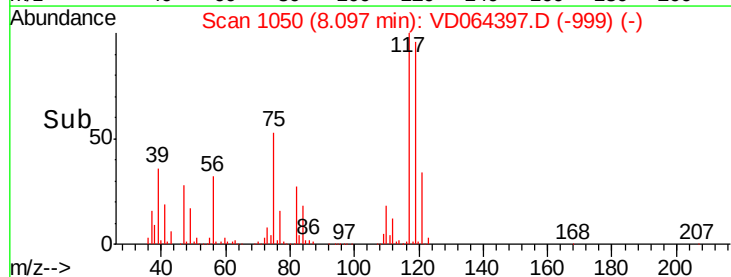
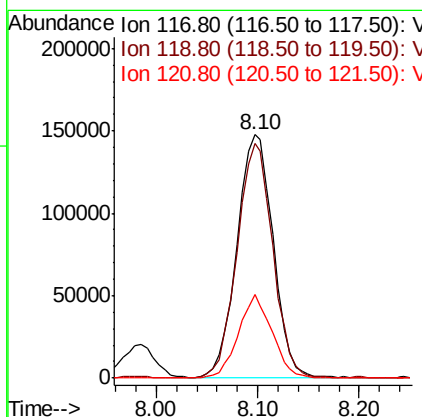
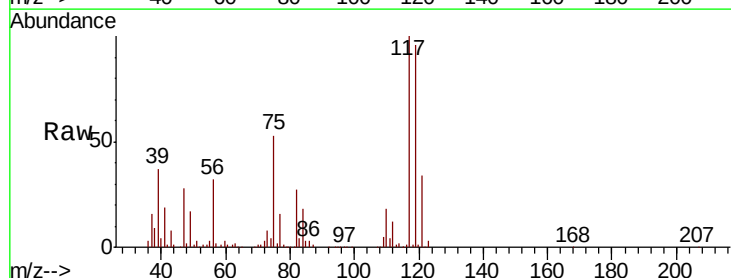
Instrument :
MSVOA_D
ClientSampleId :

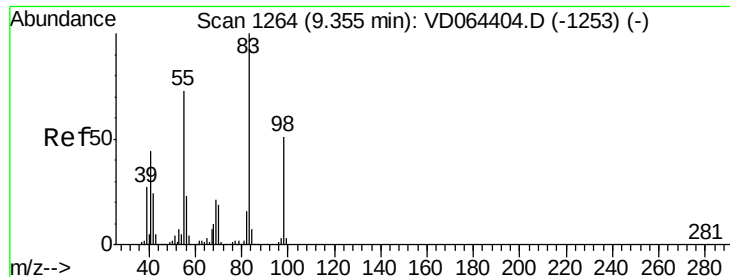
Tot Ion: 43 Resp: 143490
Ion Ratio Lower Upper
43 100
61 12.5 10.9 16.3
70 10.4 8.3 12.5



#38
Carbon Tetrachloride
Concen: 51.154 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VD064397.D
Acq: 27 Nov 2019 15:35

Tgt Ion: 117 Resp: 364856
Ion Ratio Lower Upper
117 100
119 96.4 78.8 118.2
121 34.2 24.2 36.2

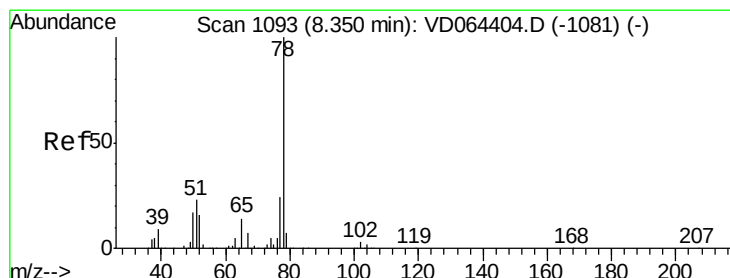
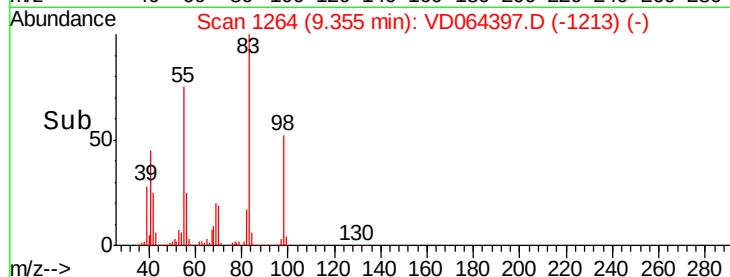
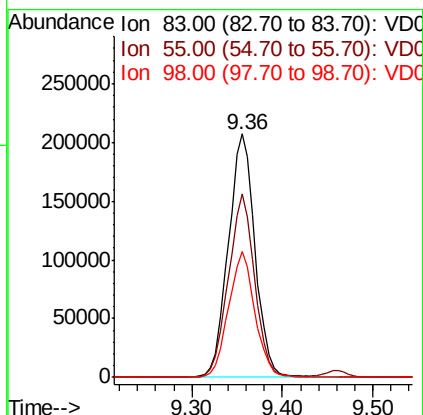
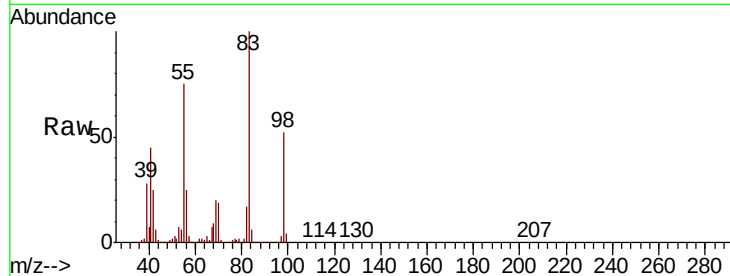




#39
Methylvlcyclohexane
Concen: 50.734 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD064397.D
Acq: 27 Nov 2019 15:35

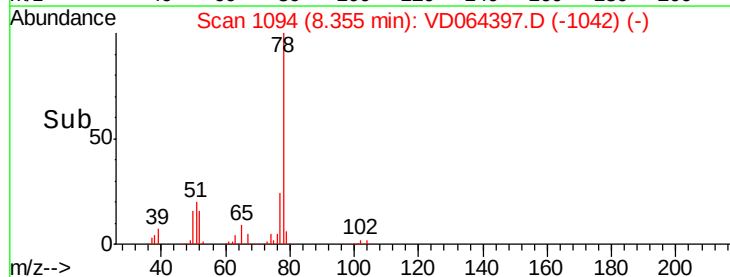
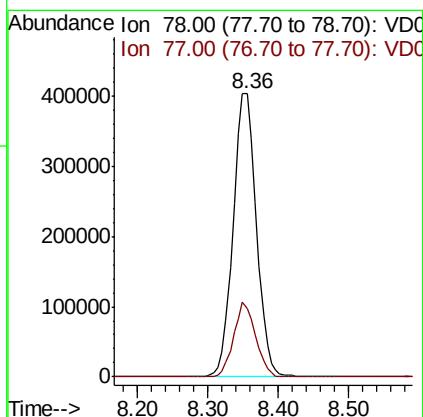
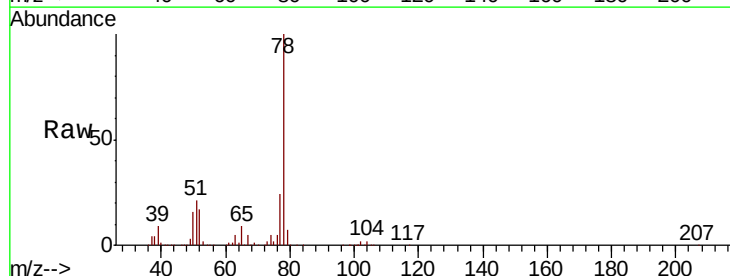
Instrument :
MSVOA_D
ClientSampled :

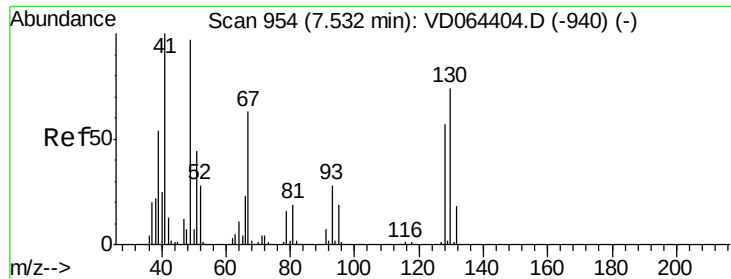
Tot Ion: 83 Resp: 425304
Ion Ratio Lower Upper
83 100
55 75.2 58.6 87.8
98 51.6 40.9 61.3



#40
Benzene
Concen: 49.233 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.01 min
Lab File: VD064397.D
Acq: 27 Nov 2019 15:35

Tgt Ion: 78 Resp: 924085
Ion Ratio Lower Upper
78 100
77 24.1 19.6 29.4

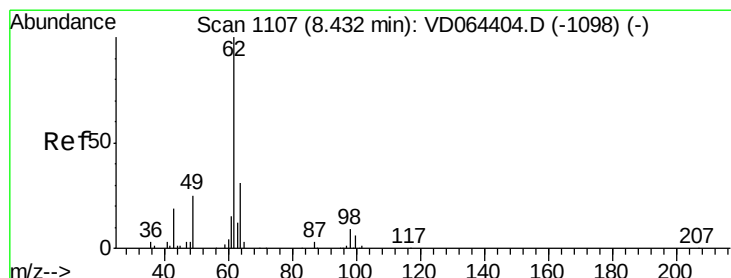
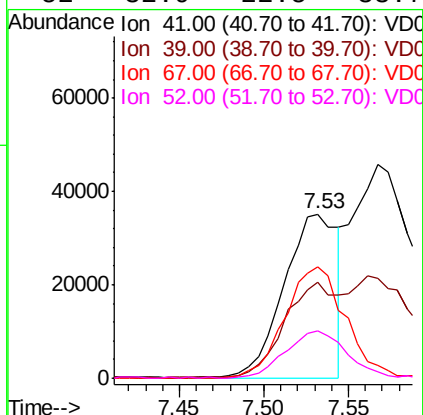
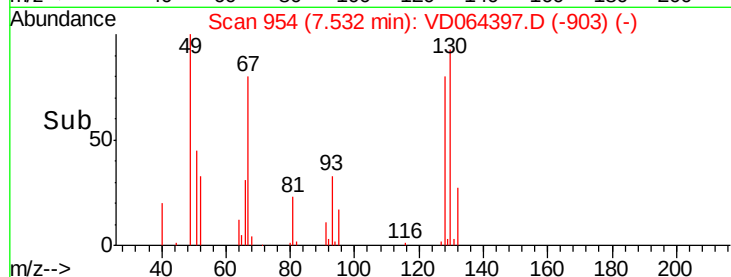
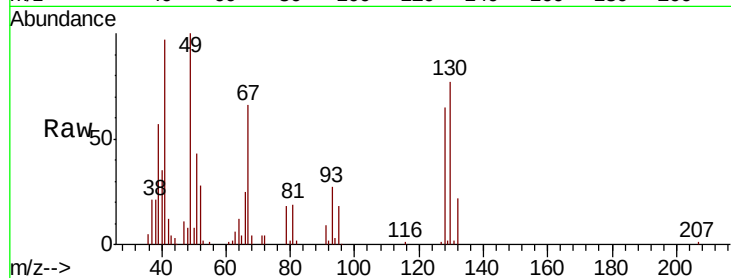




#41
Methacrylonitrile
Concen: 47.408 ug/l
RT: 7.53 min Scan# 954
Delta R.T. 0.00 min
Lab File: VD064397.D
Acq: 27 Nov 2019 15:35

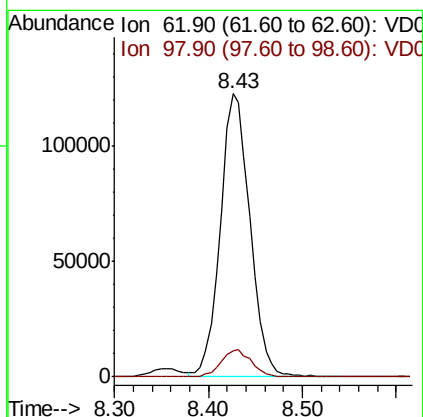
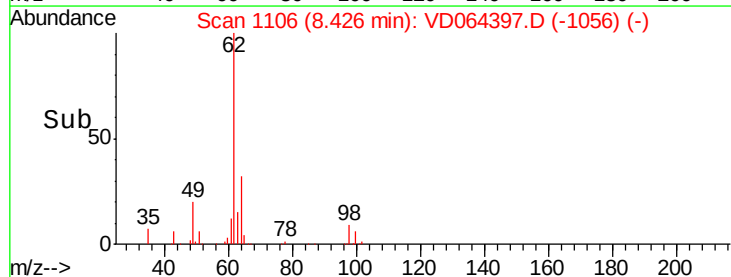
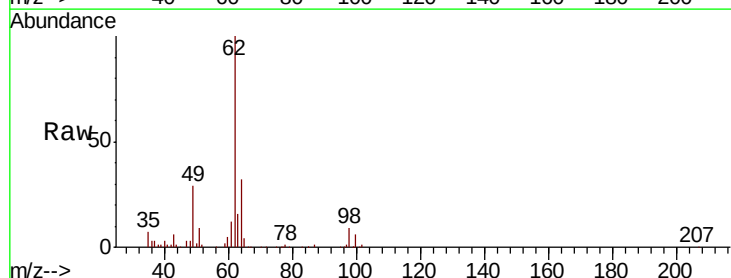
Instrument :
MSVOA_D
ClientSampleId :

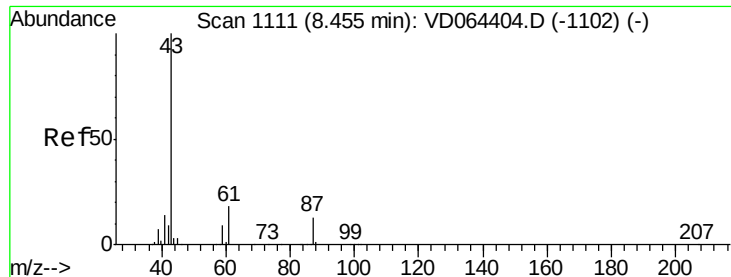
Tot Ion: 41 Resp: 77962
Ion Ratio Lower Upper
41 100
39 55.8 44.6 67.0
67 76.7 50.9 76.3#
52 32.9 22.5 33.7



#42
1,2-Dichloroethane
Concen: 49.227 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. -0.01 min
Lab File: VD064397.D
Acq: 27 Nov 2019 15:35

Tgt Ion: 62 Resp: 269454
Ion Ratio Lower Upper
62 100
98 9.8 0.0 20.6





#43

Isopropyl Acetate

Concen: 49.767 ug/l

RT: 8.46 min Scan# 1112

Delta R.T. 0.01 min

Lab File: VD064397.D

Acq: 27 Nov 2019 15:35

Instrument :

MSVOA_D

ClientSampleId :

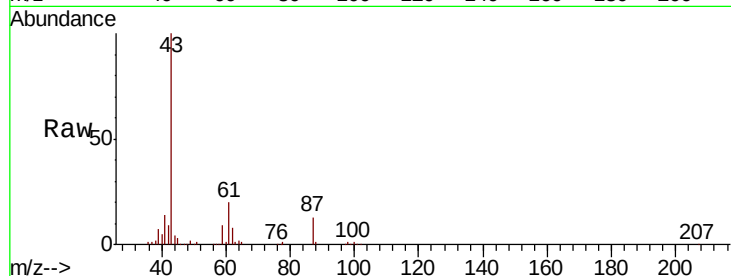
Tot Ion: 43 Resp: 280595

Ion Ratio Lower Upper

43 100

61 29.0 24.0 36.0

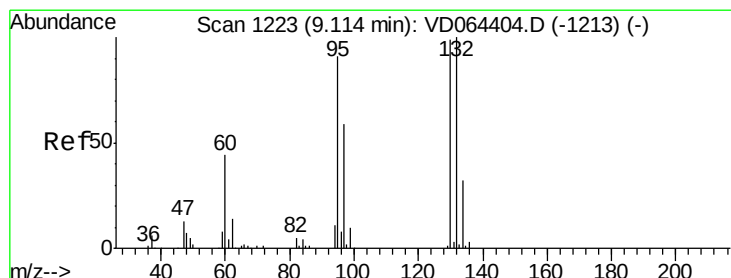
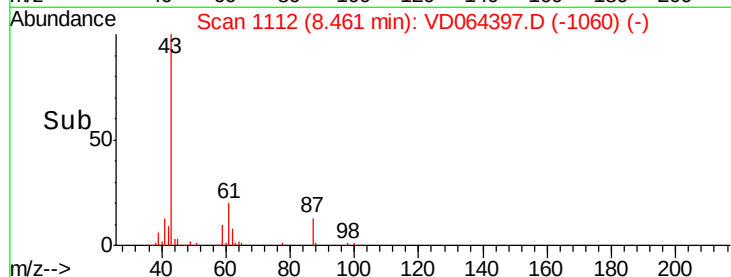
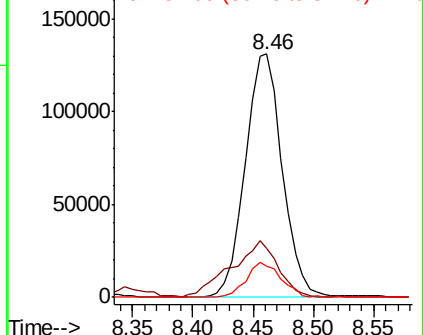
87 13.5 10.6 15.8



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: 49.654 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. 0.00 min

Lab File: VD064397.D

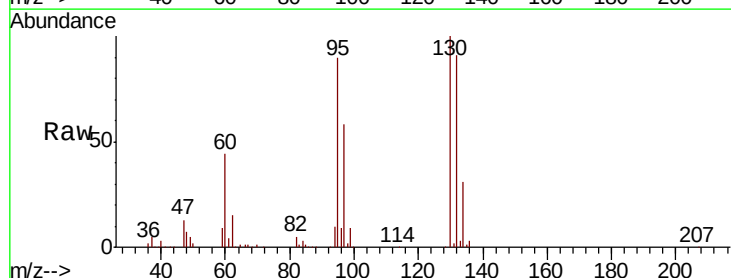
Acq: 27 Nov 2019 15:35

Tgt Ion:130 Resp: 280740

Ion Ratio Lower Upper

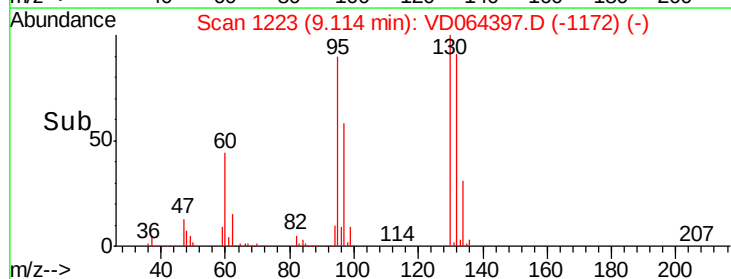
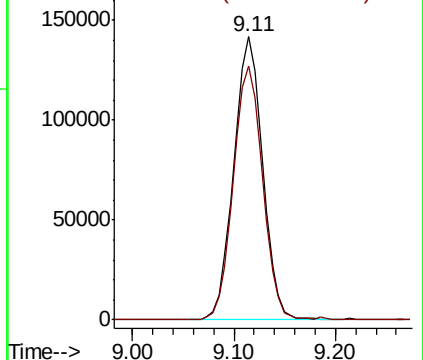
130 100

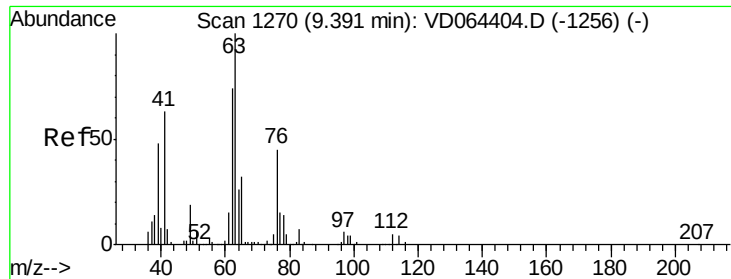
95 89.9 0.0 184.6



Abundance Ion 129.80 (129.50 to 130.50): VDC

Ion 94.90 (94.60 to 95.60): VDC

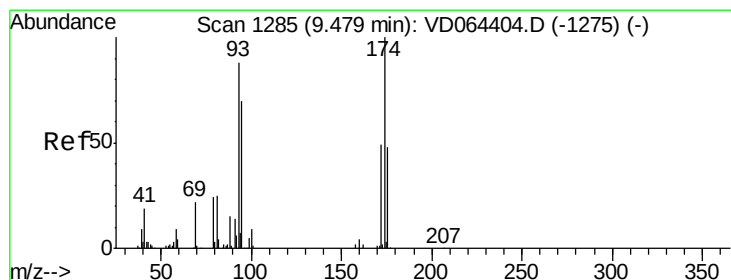
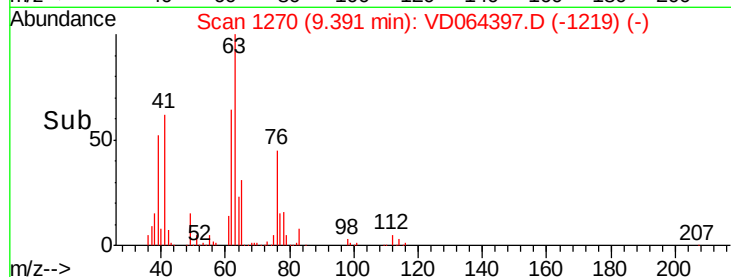
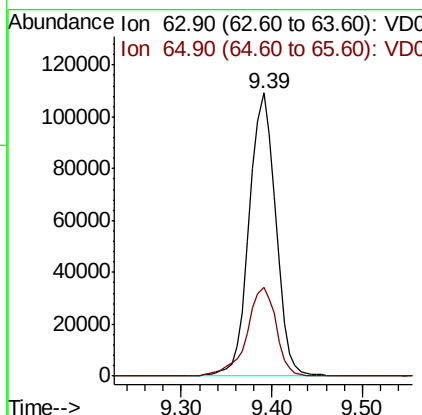
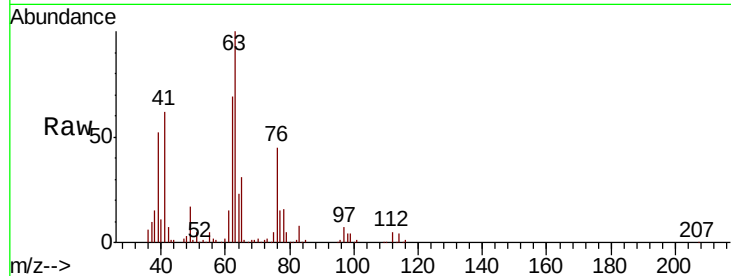




#45
 1,2-Dichloropropane
 Concen: 49.812 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VD064397.D
 Acq: 27 Nov 2019 15:35

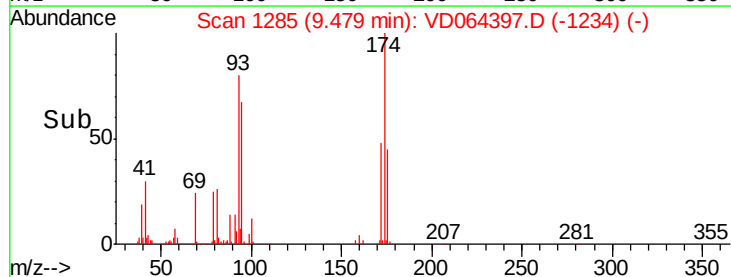
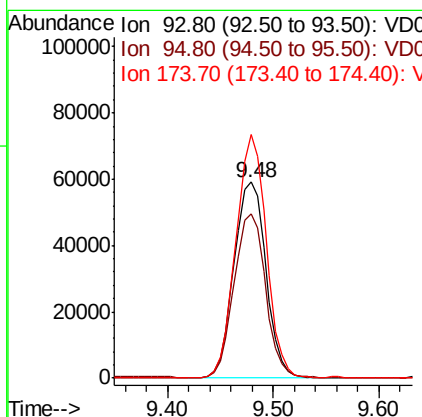
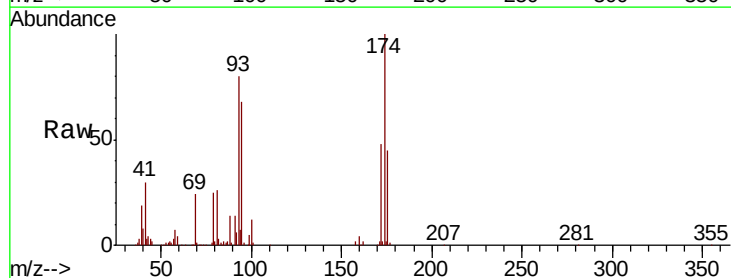
Instrument :
 MSVOA_D
 ClientSampled :

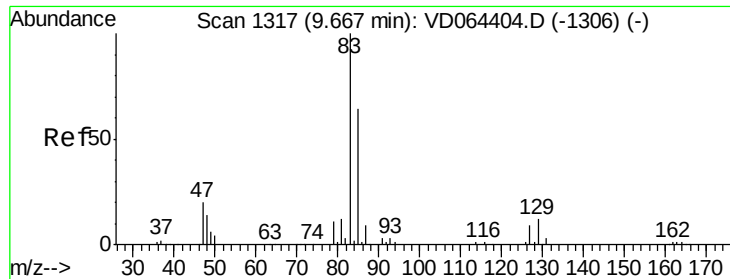
Tot Ion: 63 Resp: 223602
 Ion Ratio Lower Upper
 63 100
 65 31.3 25.4 38.0



#46
 Dibromomethane
 Concen: 49.101 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. 0.00 min
 Lab File: VD064397.D
 Acq: 27 Nov 2019 15:35

Tgt Ion: 93 Resp: 124399
 Ion Ratio Lower Upper
 93 100
 95 82.7 66.7 100.1
 174 118.0 92.3 138.5





#47

Bromodichloromethane

Concen: 49.602 ug/l

RT: 9.66 min Scan# 1316

Delta R.T. -0.01 min

Lab File: VD064397.D

Acq: 27 Nov 2019 15:35

Instrument :

MSVOA_D

ClientSampleId :

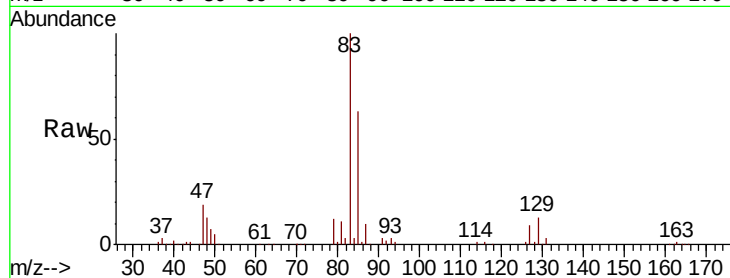
Tot Ion: 83 Resp: 322903

Ion Ratio Lower Upper

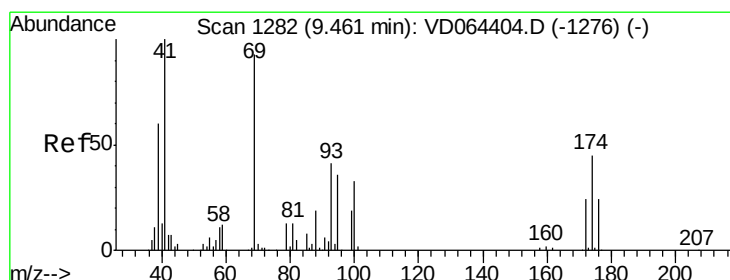
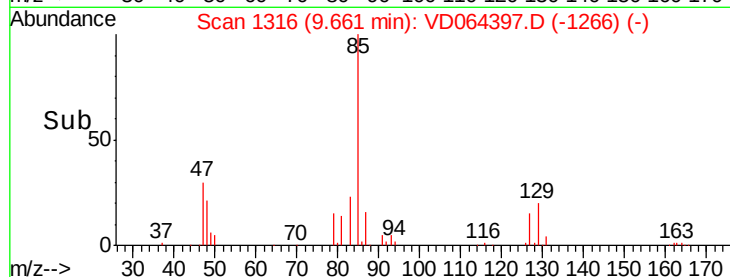
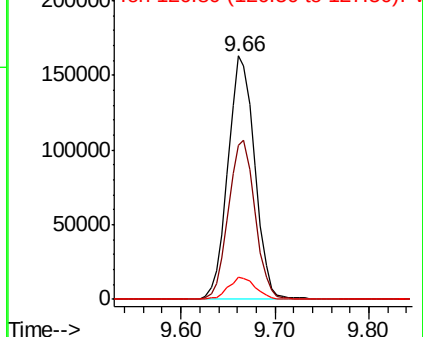
83 100

85 63.3 51.1 76.7

127 9.2 7.4 11.0



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



#48

Methyl methacrylate

Concen: 50.641 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VD064397.D

Acq: 27 Nov 2019 15:35

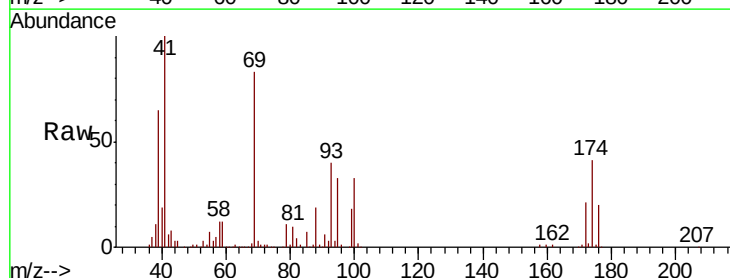
Tgt Ion: 41 Resp: 130654

Ion Ratio Lower Upper

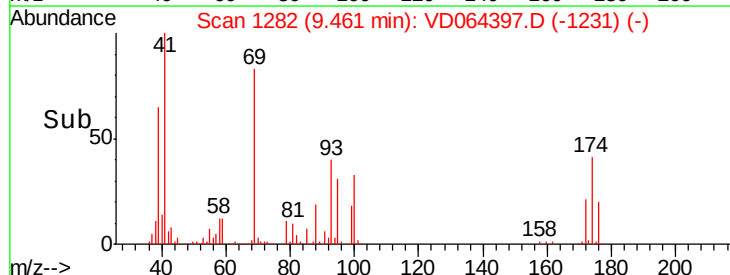
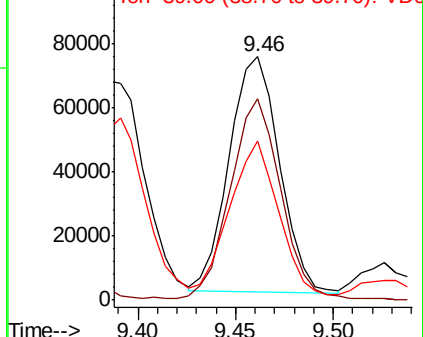
41 100

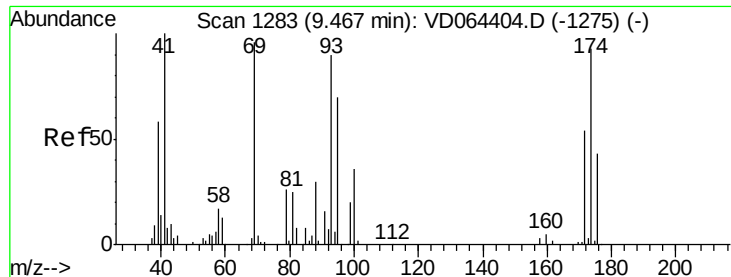
69 87.0 72.0 108.0

39 62.7 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: 973.227 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. -0.01 min

Lab File: VD064397.D

Acq: 27 Nov 2019 15:35

Instrument :
MSVOA_D
ClientSampleId :

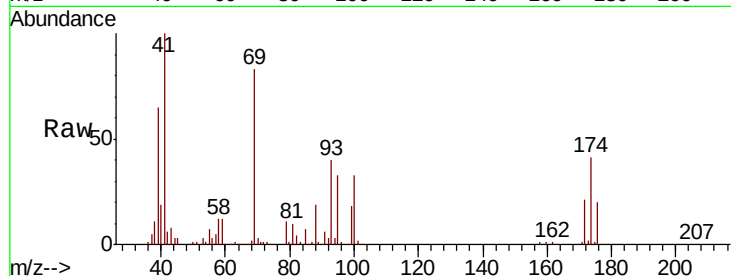
Tot Ion: 88 Resp: 30448

Ion Ratio Lower Upper

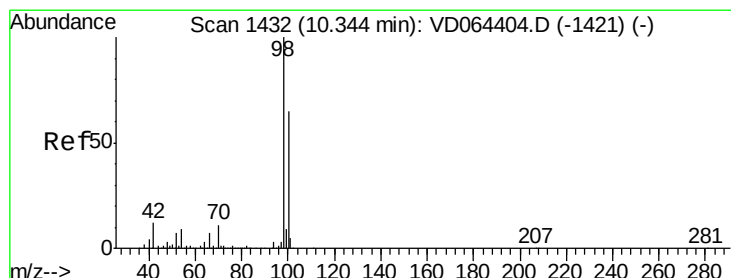
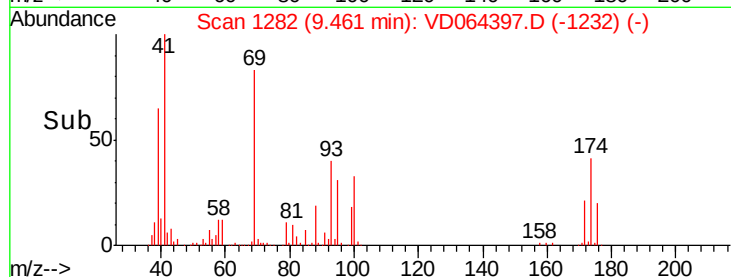
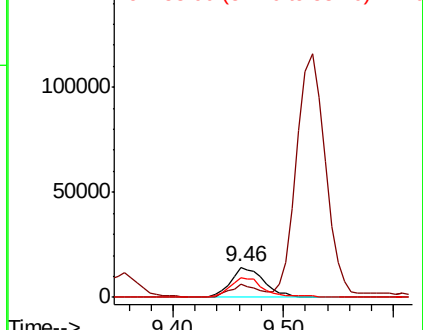
88 100

43 36.6 26.7 40.1

58 66.5 52.3 78.5



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



#50

Toluene-d8

Concen: 49.031 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. -0.01 min

Lab File: VD064397.D

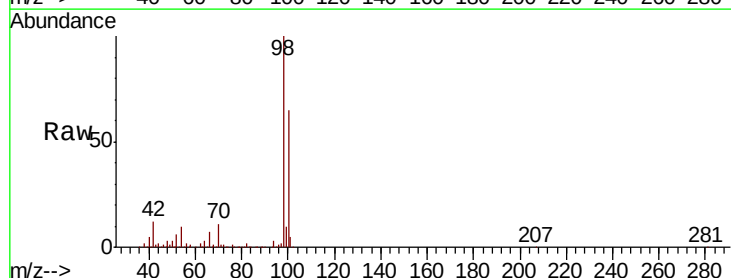
Acq: 27 Nov 2019 15:35

Tgt Ion: 98 Resp: 831412

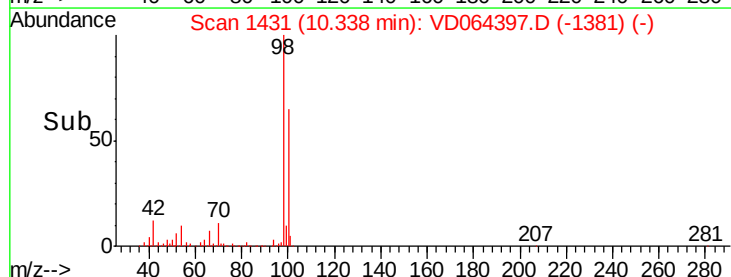
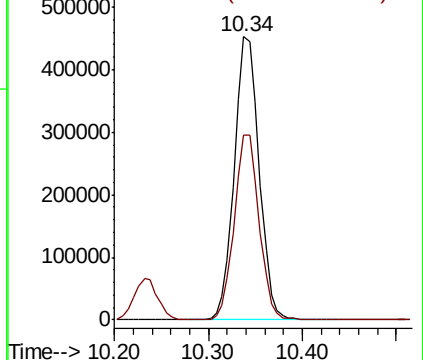
Ion Ratio Lower Upper

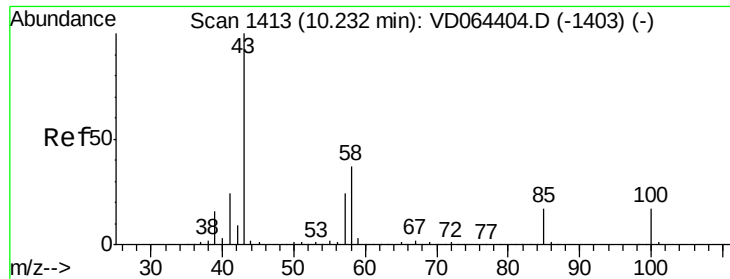
98 100

100 65.2 52.6 79.0



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

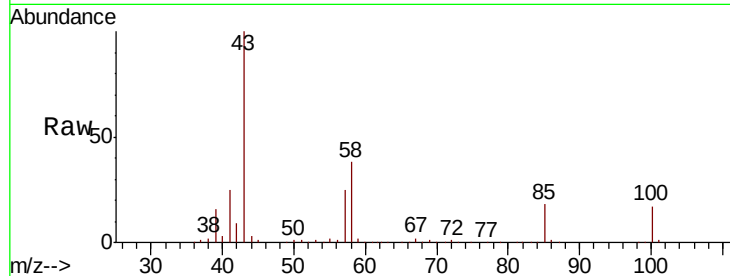




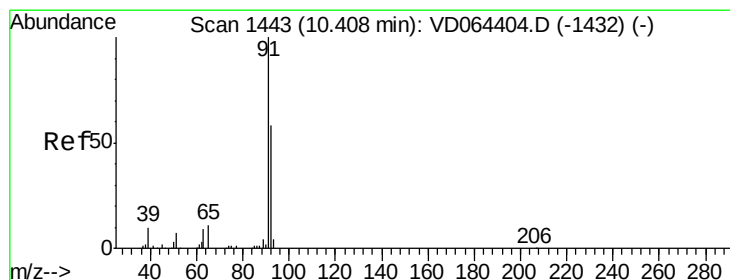
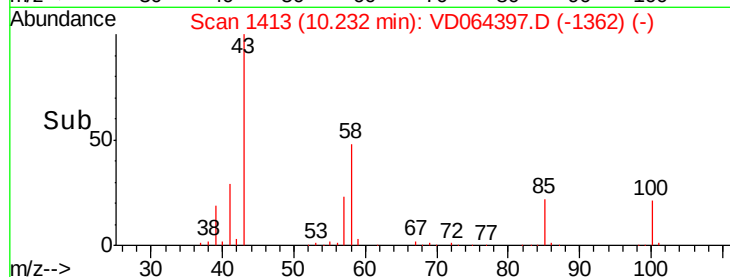
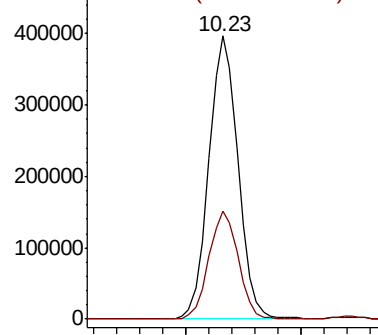
#51
4-Methyl-2-Pentanone
Concen: 249.242 ug/l
RT: 10.23 min Scan# 1413
Delta R.T. 0.00 min
Lab File: VD064397.D
Acq: 27 Nov 2019 15:35

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 43 Resp: 695312
Ion Ratio Lower Upper
43 100
58 38.2 30.6 46.0

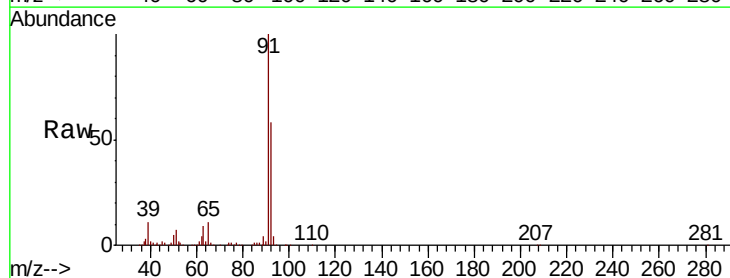


Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 58.00 (57.70 to 58.70): VDC

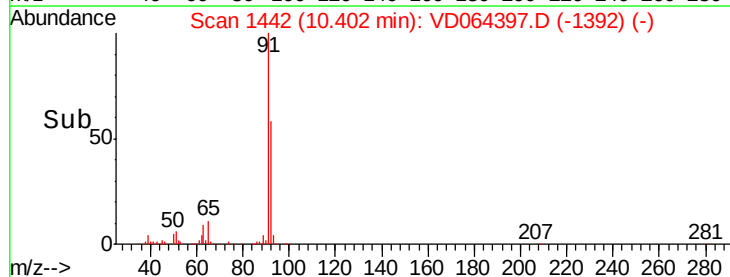
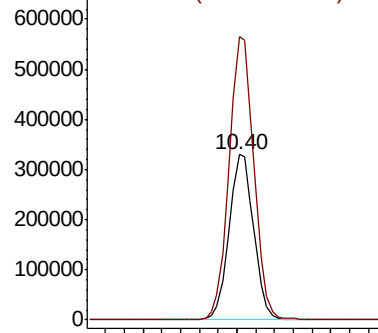


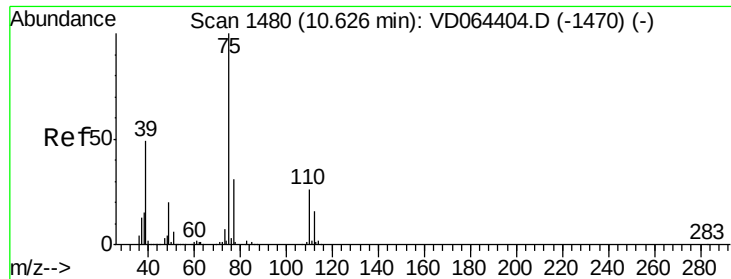
#52
Toluene
Concen: 48.867 ug/l
RT: 10.40 min Scan# 1442
Delta R.T. -0.01 min
Lab File: VD064397.D
Acq: 27 Nov 2019 15:35

Tgt Ion: 92 Resp: 597760
Ion Ratio Lower Upper
92 100
91 172.5 137.8 206.6



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: 49.769 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. 0.00 min

Lab File: VD064397.D

Acq: 27 Nov 2019 15:35

Instrument :

MSVOA_D

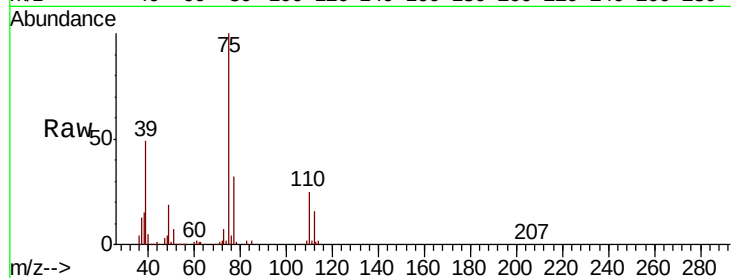
ClientSampleId :

Tot Ion: 75 Resp: 308774

Ion Ratio Lower Upper

75 100

77 31.9 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

200000

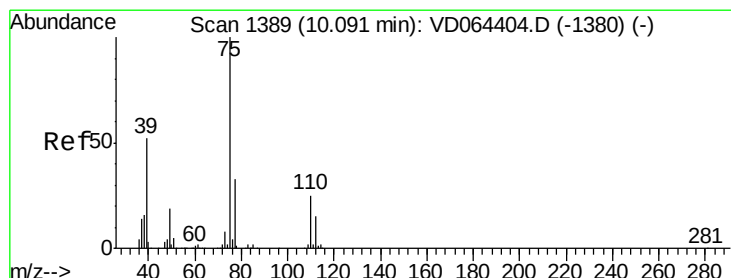
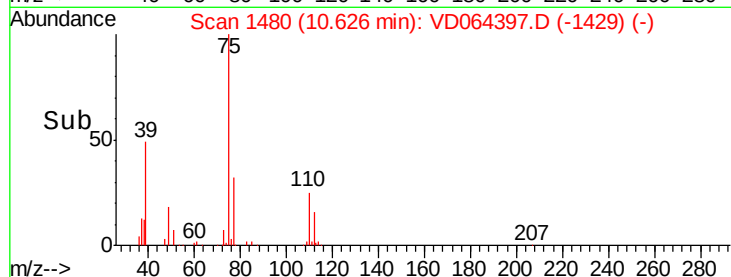
150000

100000

50000

0

Time--> 10.50 10.60 10.70



#54

cis-1,3-Dichloropropene

Concen: 49.362 ug/l

RT: 10.09 min Scan# 1389

Delta R.T. 0.00 min

Lab File: VD064397.D

Acq: 27 Nov 2019 15:35

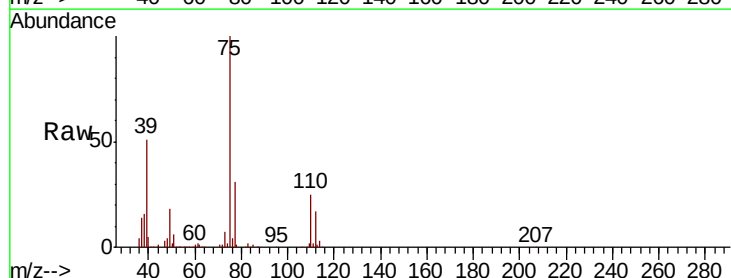
Tgt Ion: 75 Resp: 363816

Ion Ratio Lower Upper

75 100

77 31.1 26.1 39.1

39 50.9 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

250000

200000

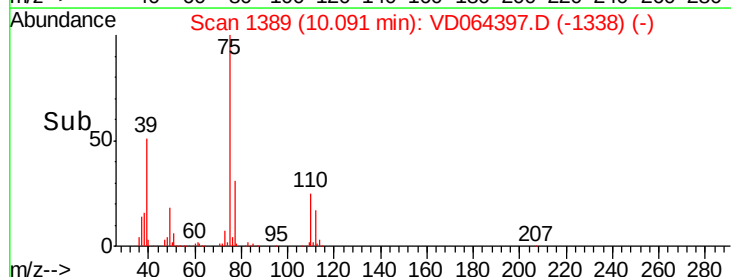
150000

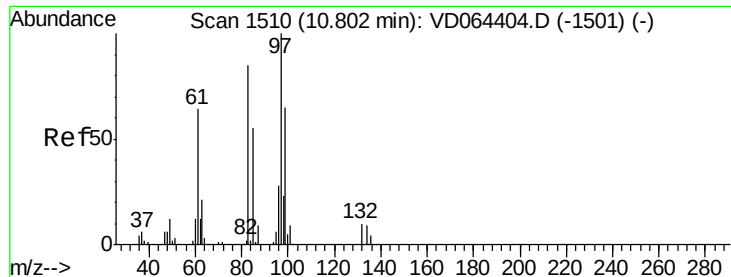
100000

50000

0

Time--> 10.00 10.10





#55

1,1,2-Trichloroethane

Concen: 47.958 ug/l

RT: 10.80 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VD064397.D

Acq: 27 Nov 2019 15:35

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 97 Resp: 166373

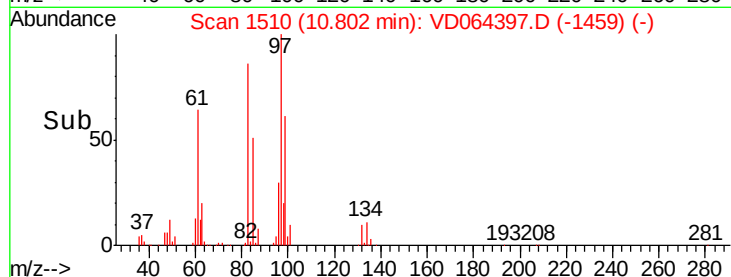
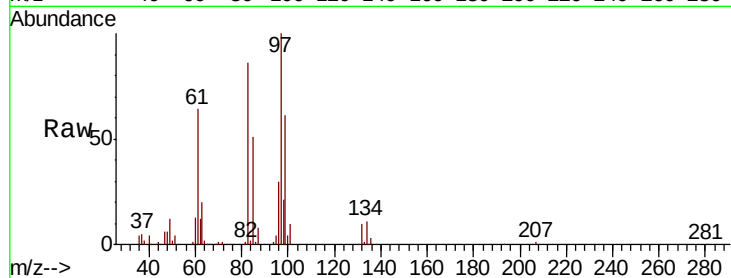
Ion	Ratio	Lower	Upper
97	100		
83	85.7	67.8	101.8
85	51.1	43.7	65.5
99	60.6	51.7	77.5

97 100

83 85.7 67.8 101.8

85 51.1 43.7 65.5

99 60.6 51.7 77.5

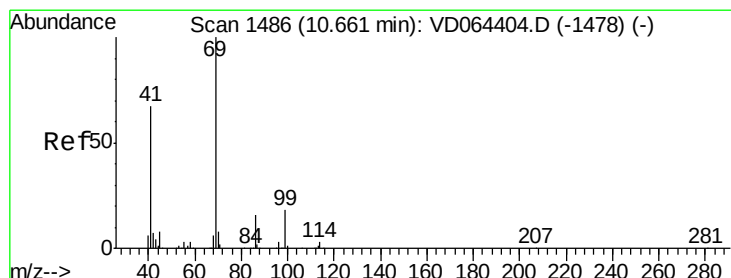
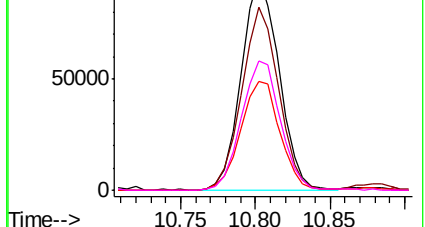


Abundance Ion 96.90 (96.60 to 97.60): VDC

Ion 82.90 (82.60 to 83.60): VDC

Ion 84.90 (84.60 to 85.60): VDC

Ion 98.90 (98.60 to 99.60): VDC



#56

Ethyl methacrylate

Concen: 49.613 ug/l

RT: 10.66 min Scan# 1486

Delta R.T. 0.00 min

Lab File: VD064397.D

Acq: 27 Nov 2019 15:35

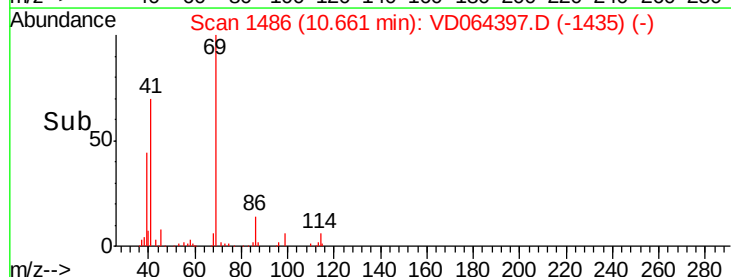
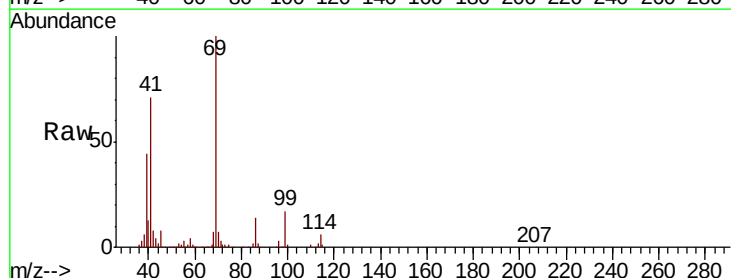
Tgt Ion: 69 Resp: 219521

Ion	Ratio	Lower	Upper
69	100		
41	69.6	55.0	82.4
39	41.7	33.0	49.6

69 100

41 69.6 55.0 82.4

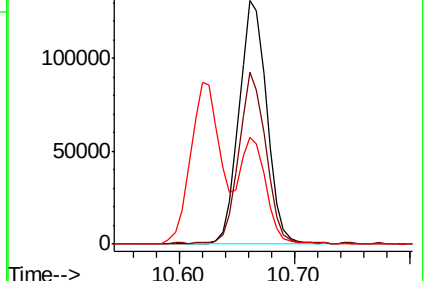
39 41.7 33.0 49.6

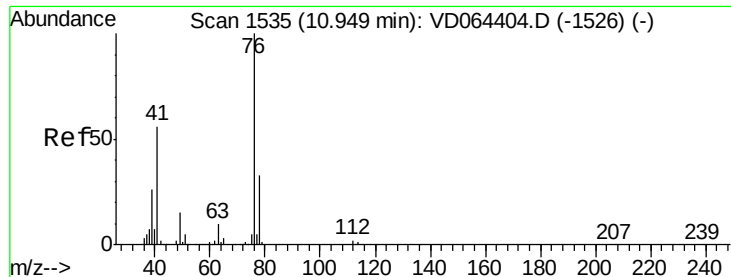


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC





#57

1,3-Dichloropropane

Concen: 49.503 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. 0.00 min

Lab File: VD064397.D

Acq: 27 Nov 2019 15:35

Instrument :

MSVOA_D

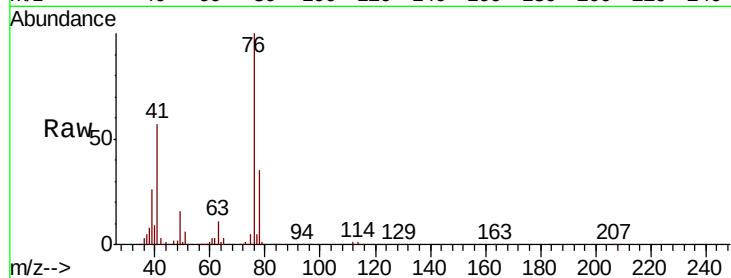
ClientSampleId :

Tot Ion: 76 Resp: 292335

Ion Ratio Lower Upper

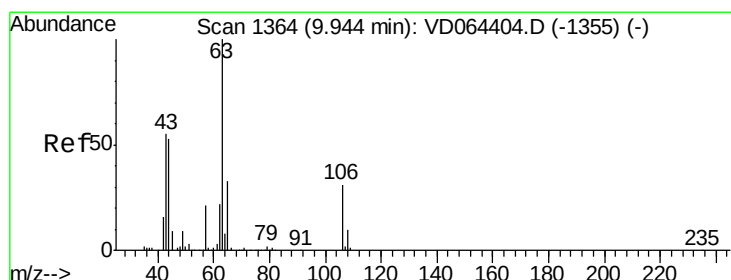
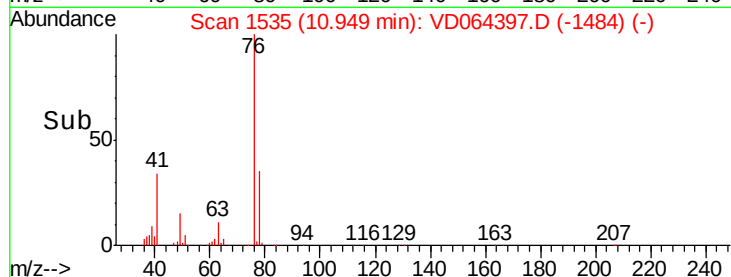
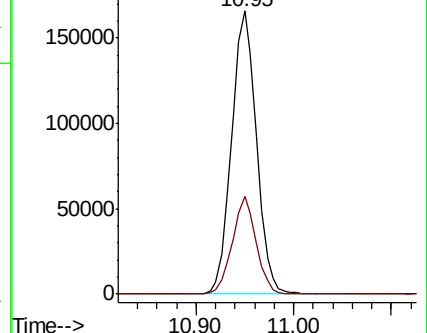
76 100

78 33.0 26.0 39.0



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 230.301 ug/l

RT: 9.94 min Scan# 1364

Delta R.T. 0.00 min

Lab File: VD064397.D

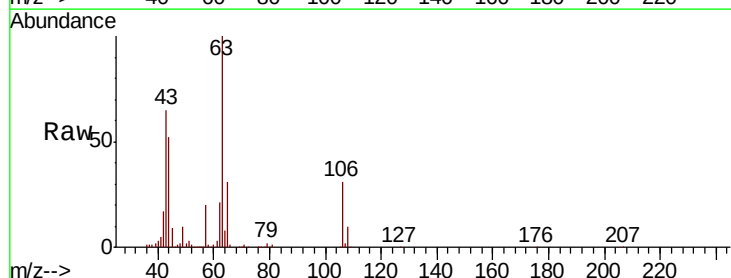
Acq: 27 Nov 2019 15:35

Tgt Ion: 63 Resp: 406217

Ion Ratio Lower Upper

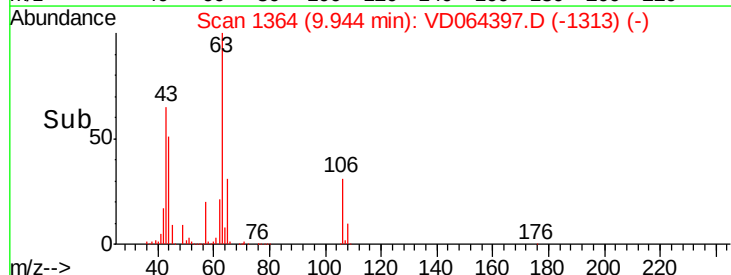
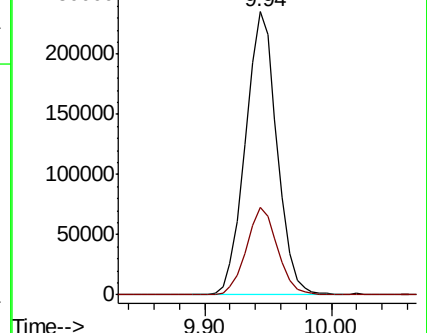
63 100

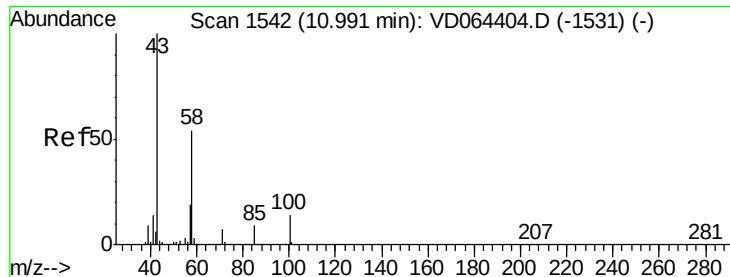
106 30.5 24.2 36.4



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 105.90 (105.60 to 106.60): VDC

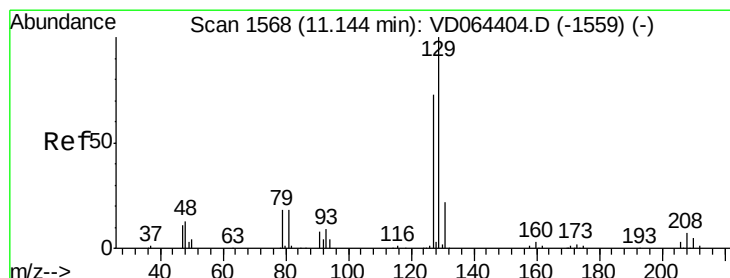
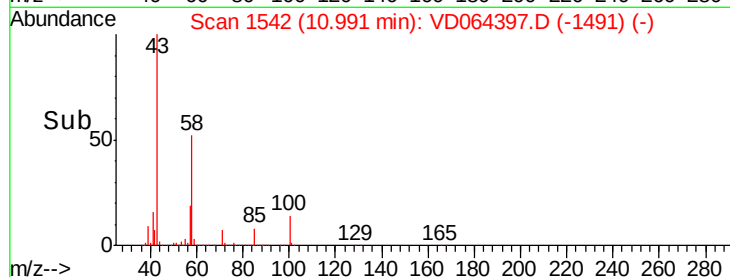
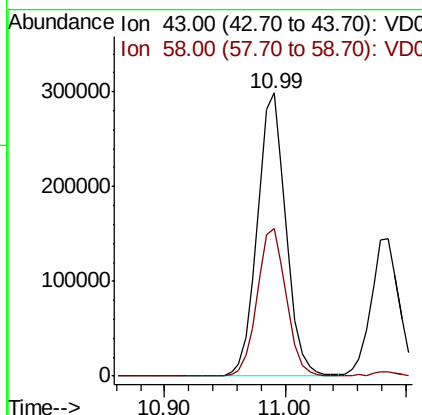
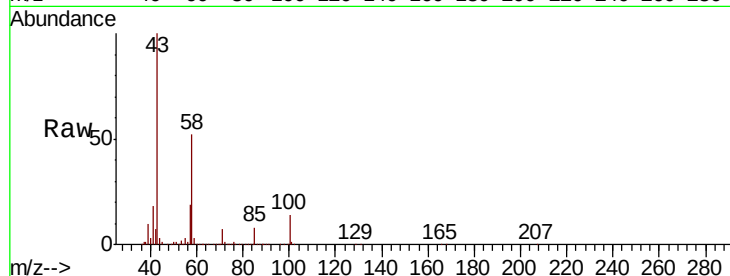




#59
2-Hexanone
Concen: 254.707 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD064397.D
Acq: 27 Nov 2019 15:35

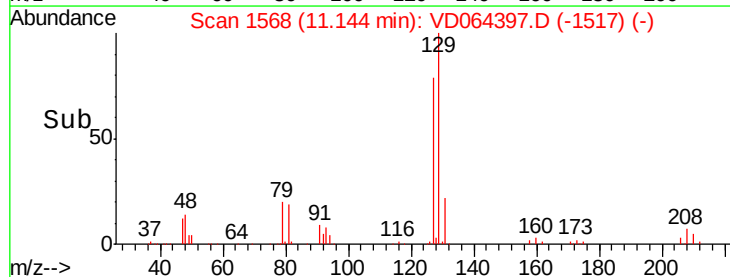
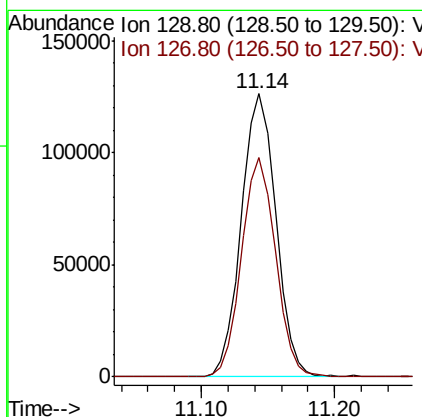
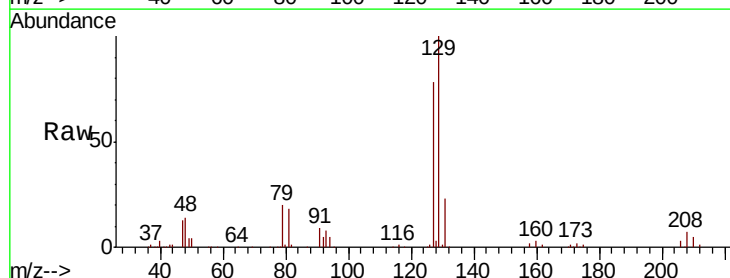
Instrument :
MSVOA_D
ClientSampled :

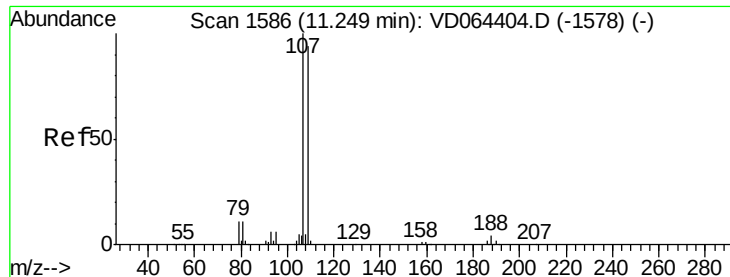
Tot Ion: 43 Resp: 493049
Ion Ratio Lower Upper
43 100
58 53.0 26.3 78.8



#60
Dibromochloromethane
Concen: 48.287 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD064397.D
Acq: 27 Nov 2019 15:35

Tgt Ion: 129 Resp: 227126
Ion Ratio Lower Upper
129 100
127 76.1 38.1 114.3

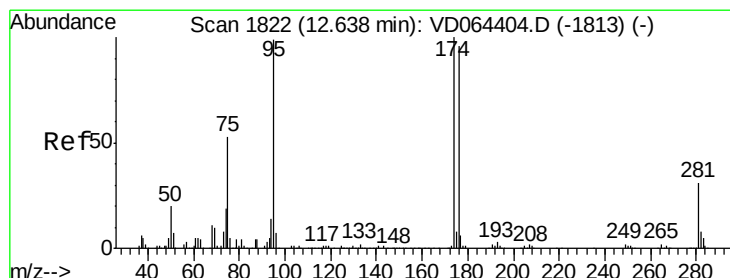
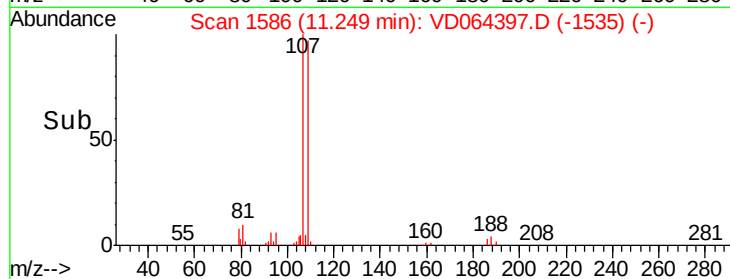
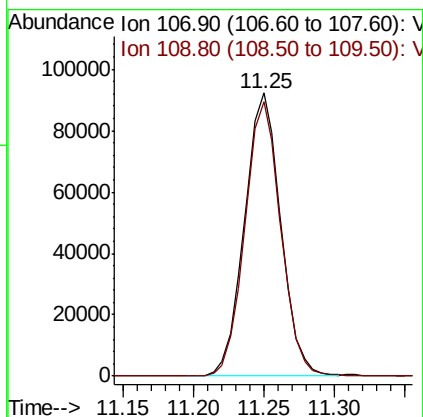
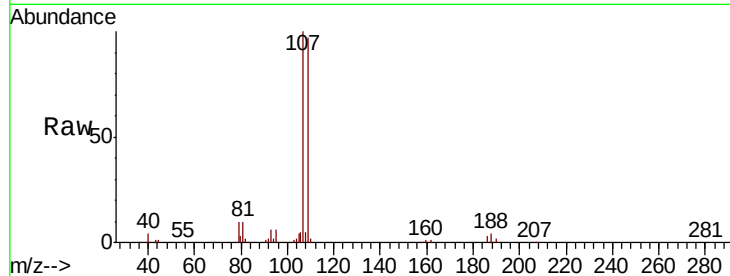




#61
 1,2-Dibromoethane
 Concen: 47.855 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD064397.D
 Acq: 27 Nov 2019 15:35

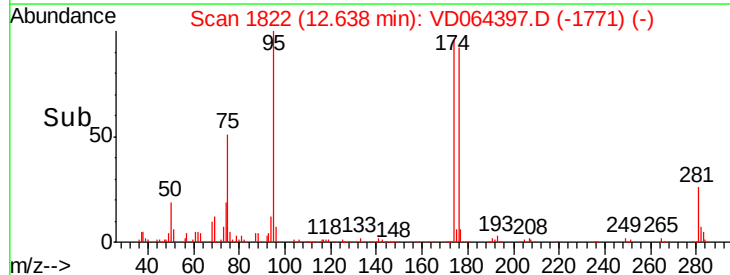
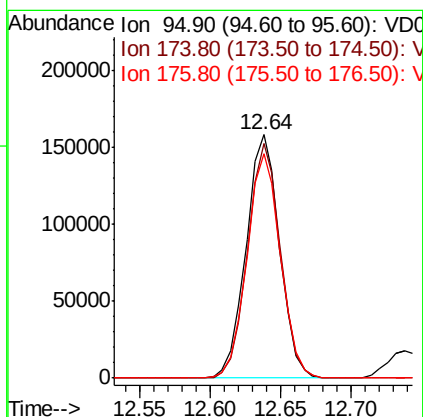
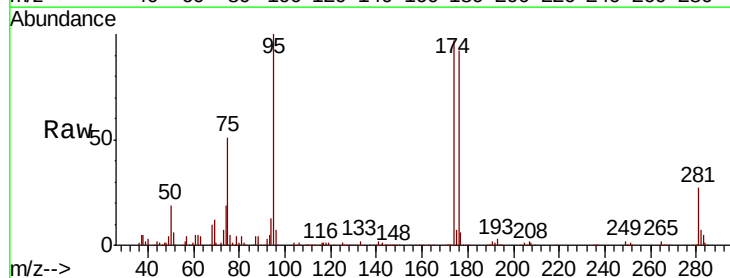
Instrument :
 MSVOA_D
 ClientSampled :

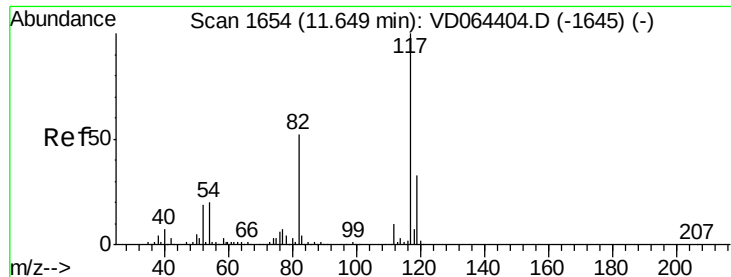
Tot Ion: 107 Resp: 165759
 Ion Ratio Lower Upper
 107 100
 109 96.5 76.2 114.2



#62
 4-Bromofluorobenzene
 Concen: 48.137 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD064397.D
 Acq: 27 Nov 2019 15:35

Tgt Ion: 95 Resp: 262324
 Ion Ratio Lower Upper
 95 100
 174 94.7 0.0 197.2
 176 92.5 0.0 189.6

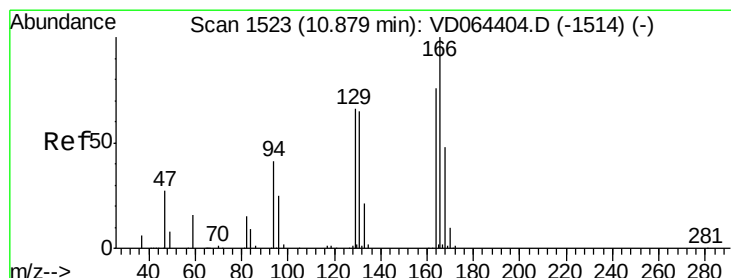
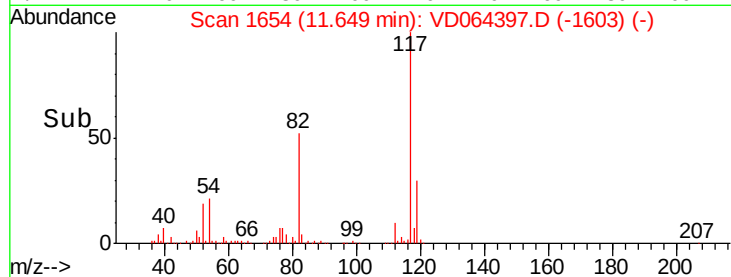
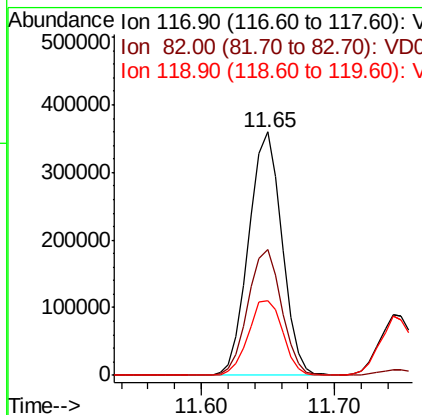
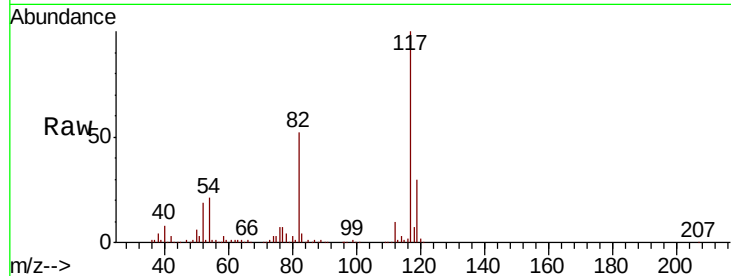




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD064397.D
Acq: 27 Nov 2019 15:35

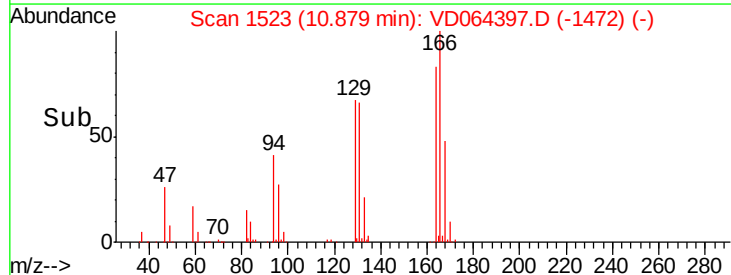
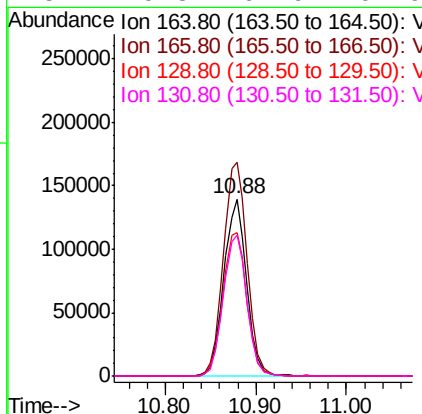
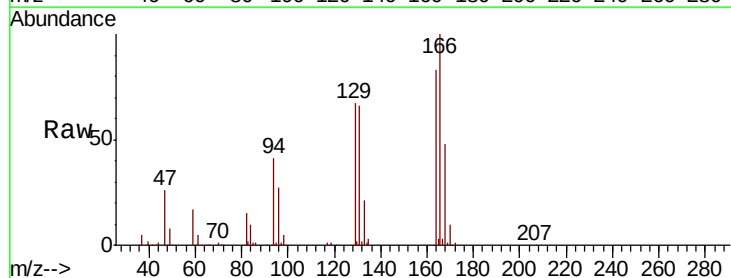
Instrument :
MSVOA_D
ClientSampled :

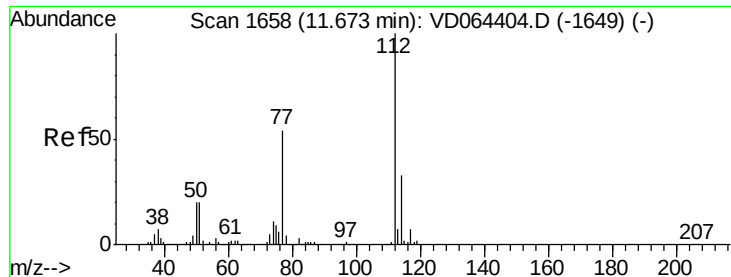
Tot Ion:117 Resp: 618341
Ion Ratio Lower Upper
117 100
82 51.9 41.4 62.2
119 30.4 26.2 39.2



#64
Tetrachloroethene
Concen: 51.037 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD064397.D
Acq: 27 Nov 2019 15:35

Tgt Ion:164 Resp: 240655
Ion Ratio Lower Upper
164 100
166 120.8 104.8 157.2
129 81.3 68.7 103.1
131 79.8 67.9 101.9

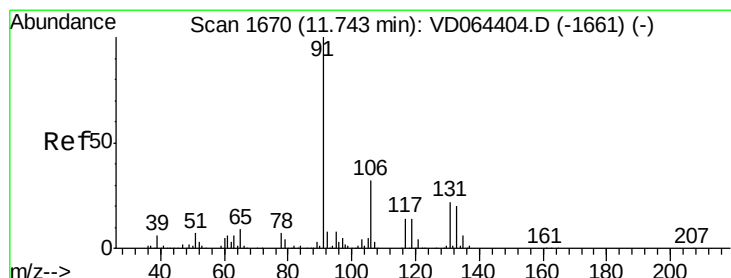
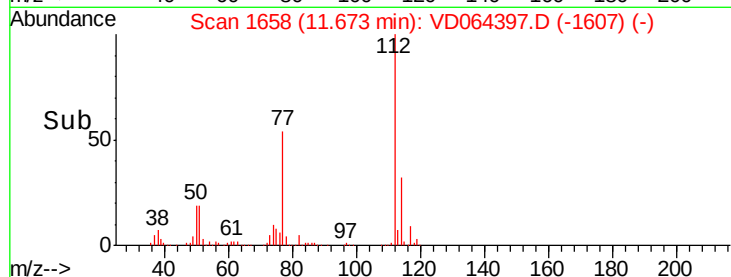
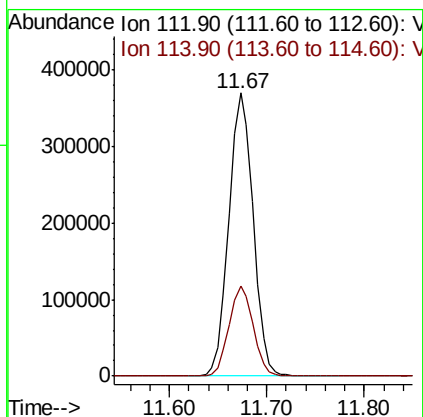
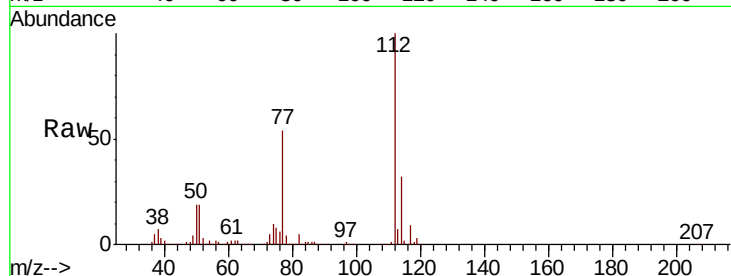




#65
Chlorobenzene
Concen: 49.536 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD064397.D
Acq: 27 Nov 2019 15:35

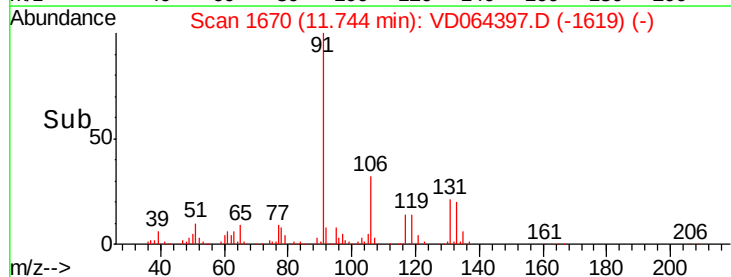
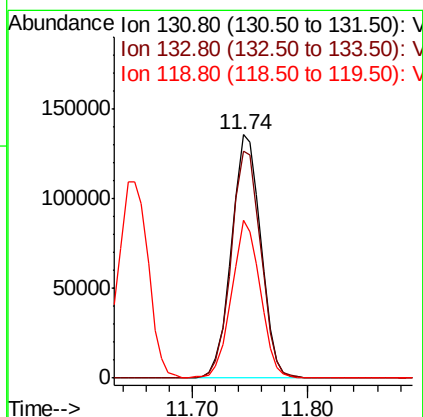
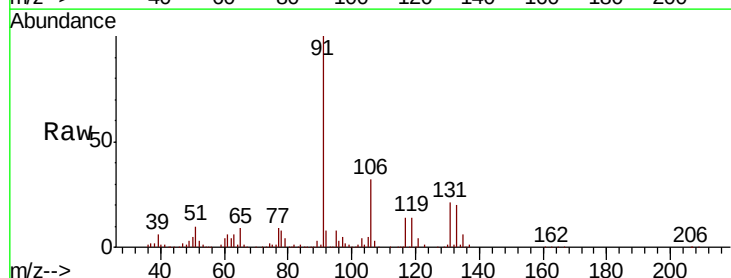
Instrument :
MSVOA_D
ClientSampleId :

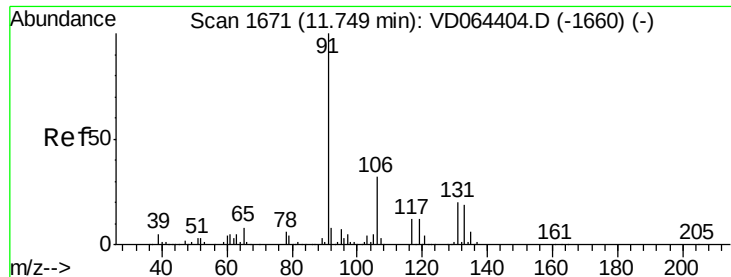
Tot Ion:112 Resp: 638844
Ion Ratio Lower Upper
112 100
114 31.9 26.5 39.7



#66
1,1,1,2-Tetrachloroethane
Concen: 50.121 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VD064397.D
Acq: 27 Nov 2019 15:35

Tgt Ion:131 Resp: 239288
Ion Ratio Lower Upper
131 100
133 94.7 48.3 144.9
119 63.2 31.9 95.9





#67

Ethyl Benzene

Concen: 49.853 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD064397.D

Acq: 27 Nov 2019 15:35

Instrument :

MSVOA_D

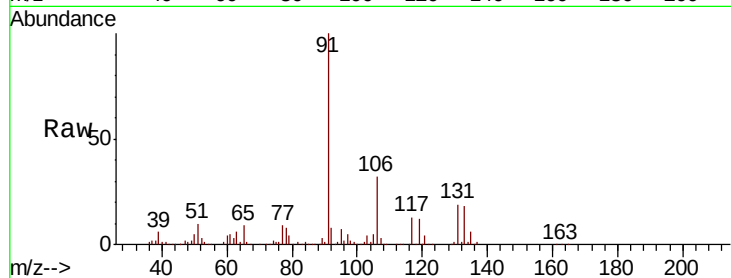
ClientSampleId :

Tot Ion: 91 Resp: 1143924

Ion Ratio Lower Upper

91 100

106 31.9 25.8 38.8



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V

1000000

800000

600000

400000

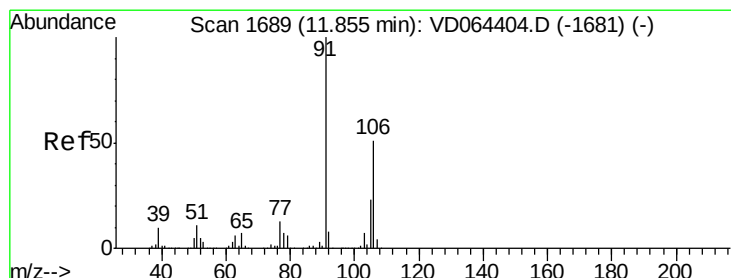
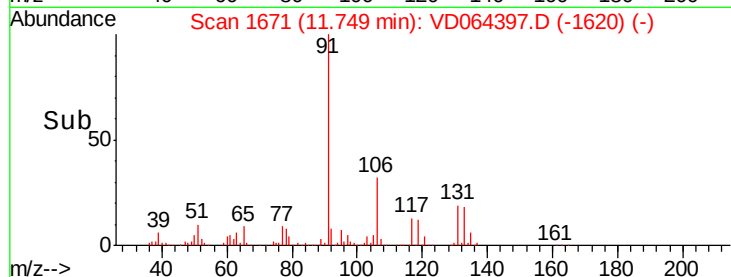
200000

0

11.75

11.80

Time-->



#68

m/p-Xylenes

Concen: 100.740 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. 0.00 min

Lab File: VD064397.D

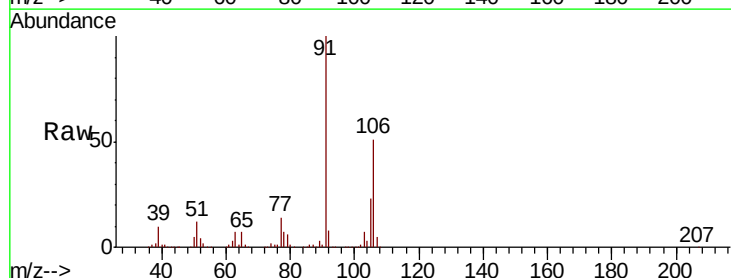
Acq: 27 Nov 2019 15:35

Tgt Ion:106 Resp: 881378

Ion Ratio Lower Upper

106 100

91 196.5 157.4 236.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): V

1000000

800000

600000

400000

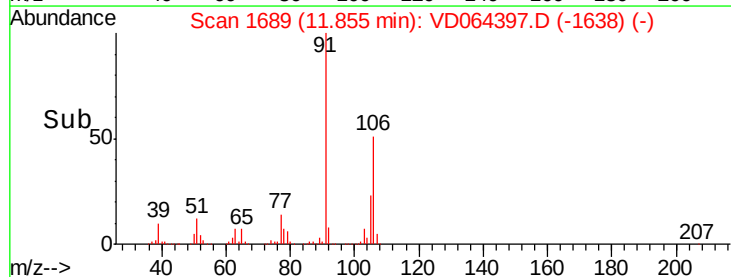
200000

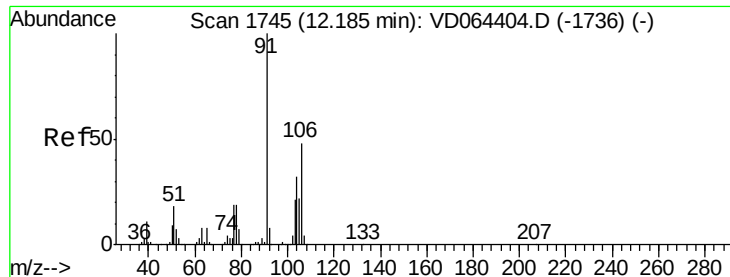
0

11.86

11.90

Time-->

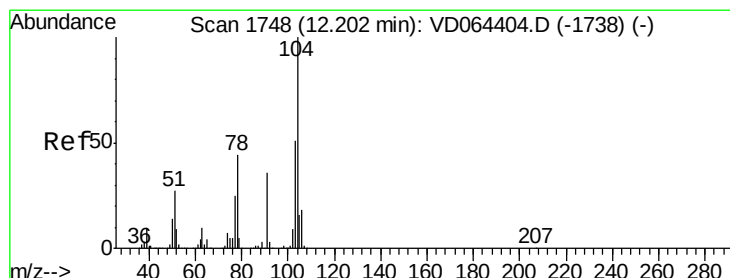
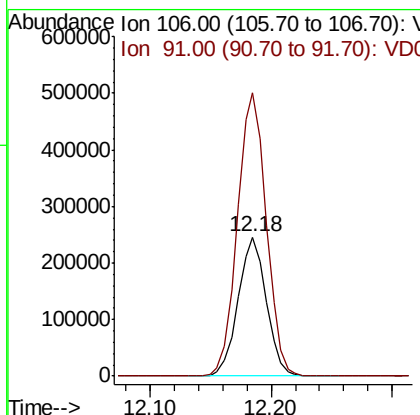
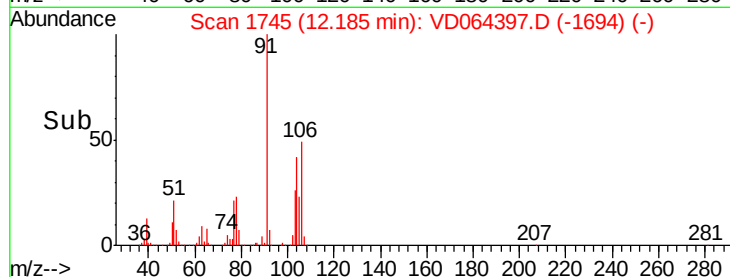
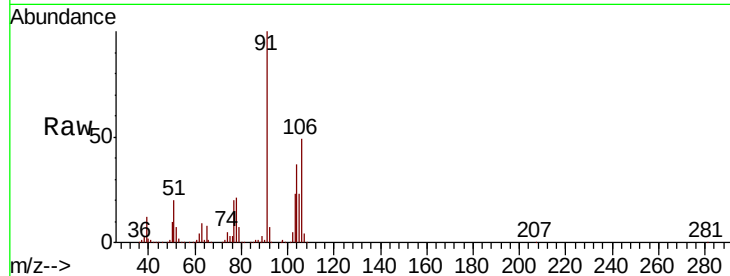




#69
o-Xylene
Concen: 49.770 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD064397.D
Acq: 27 Nov 2019 15:35

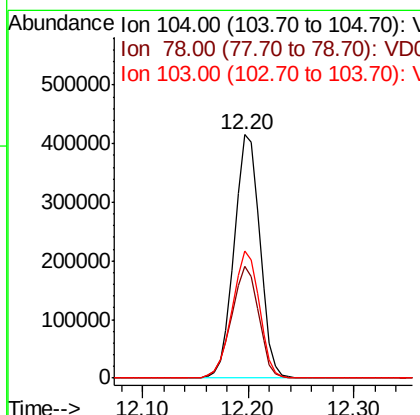
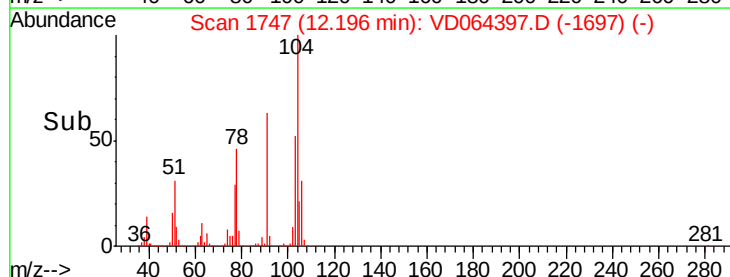
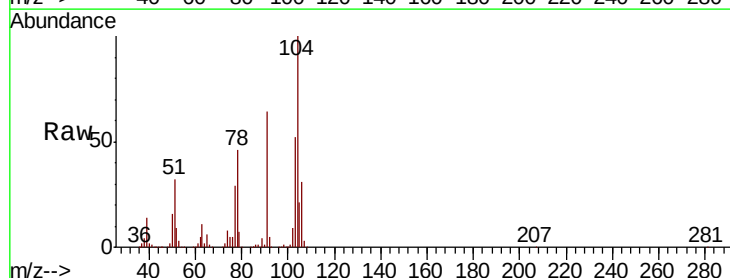
Instrument :
MSVOA_D
ClientSampleId :

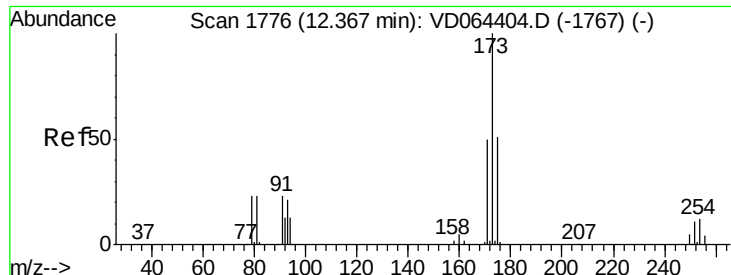
Tot Ion:106 Resp: 402154
Ion Ratio Lower Upper
106 100
91 207.6 103.8 311.4



#70
Styrene
Concen: 49.579 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. -0.01 min
Lab File: VD064397.D
Acq: 27 Nov 2019 15:35

Tgt Ion:104 Resp: 696163
Ion Ratio Lower Upper
104 100
78 48.7 38.8 58.2
103 55.3 44.2 66.4





#71

Bromoform

Concen: 49.949 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. 0.00 min

Lab File: VD064397.D

Acq: 27 Nov 2019 15:35

Instrument :

MSVOA_D

ClientSampleId :

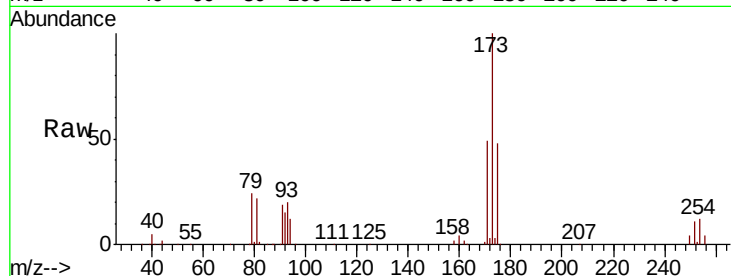
Tot Ion:173 Resp: 142670

Ion Ratio Lower Upper

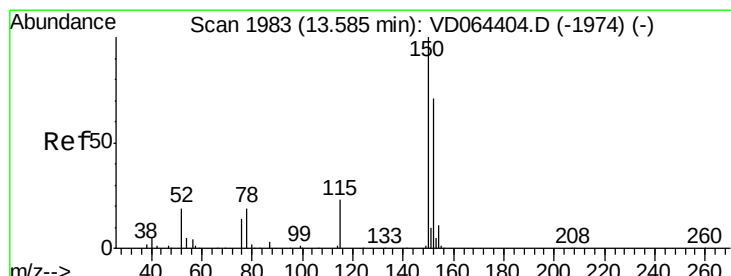
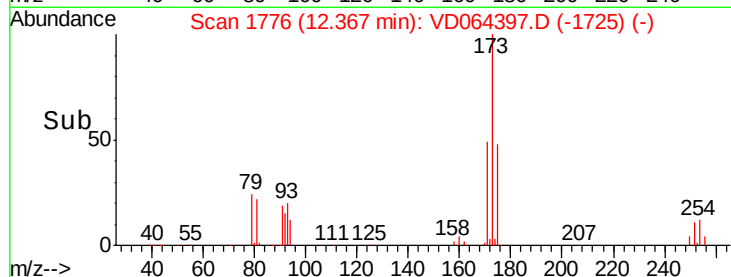
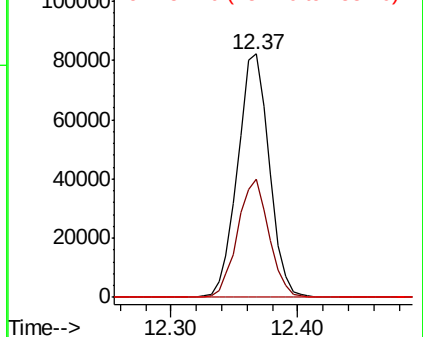
173 100

175 48.0 25.3 75.8

254 0.0 0.0 0.0#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1983

Delta R.T. 0.00 min

Lab File: VD064397.D

Acq: 27 Nov 2019 15:35

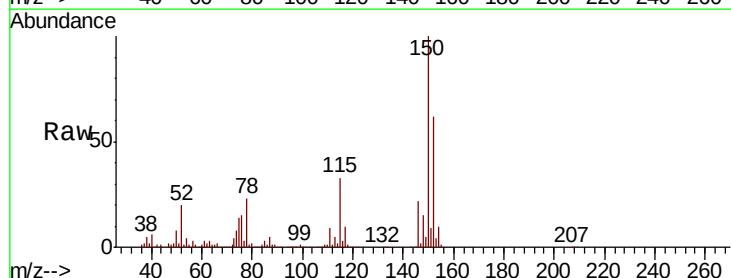
Tgt Ion:152 Resp: 298464

Ion Ratio Lower Upper

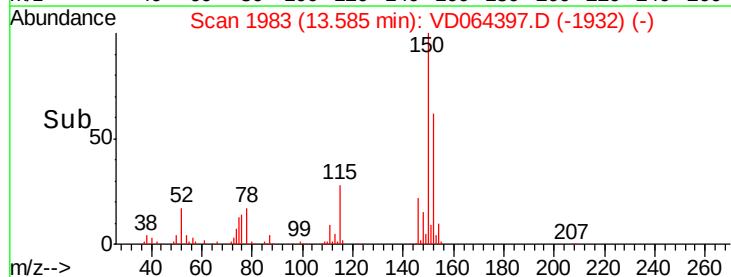
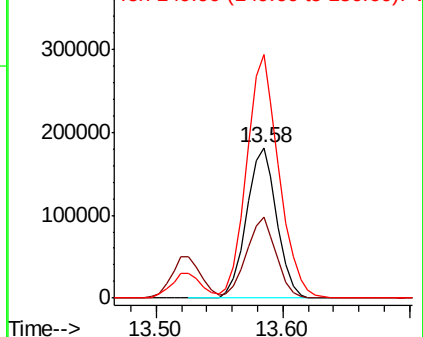
152 100

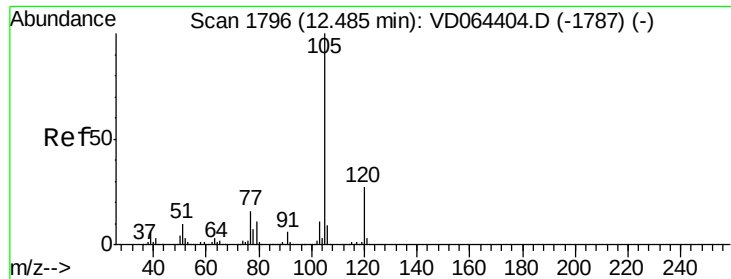
115 53.6 26.7 80.1

150 174.0 0.0 347.2



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





#73

Isopropylbenzene

Concen: 51.497 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD064397.D

Acq: 27 Nov 2019 15:35

Instrument :

MSVOA_D

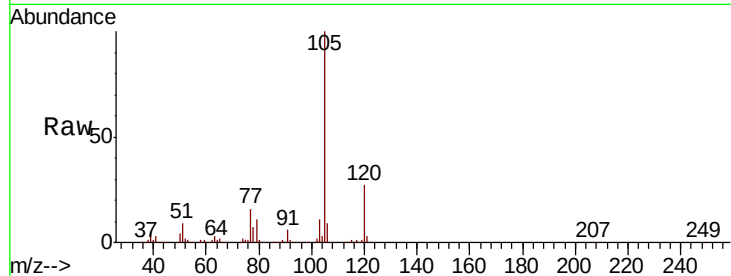
ClientSampleId :

Tot Ion:105 Resp: 1105426

Ion Ratio Lower Upper

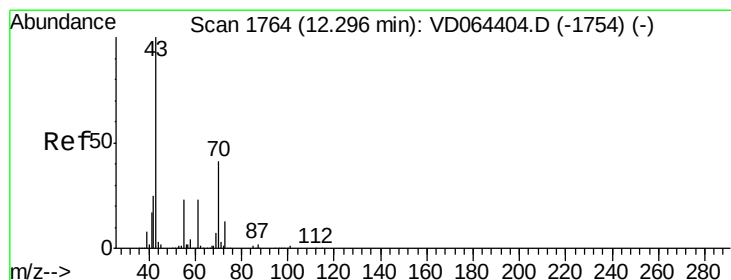
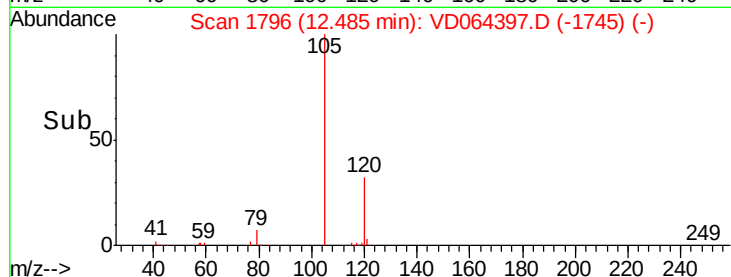
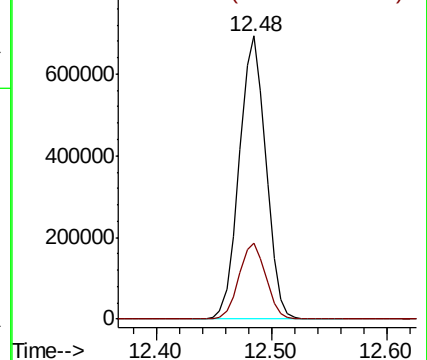
105 100

120 27.2 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: 52.093 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. -0.01 min

Lab File: VD064397.D

Acq: 27 Nov 2019 15:35

Tgt Ion: 43 Resp: 253795

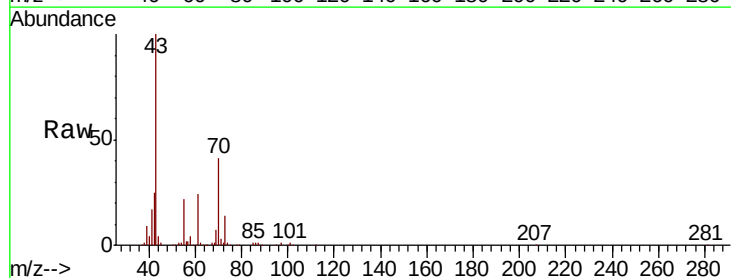
Ion Ratio Lower Upper

43 100

70 40.9 33.4 50.2

55 22.6 18.9 28.3

61 23.6 18.5 27.7

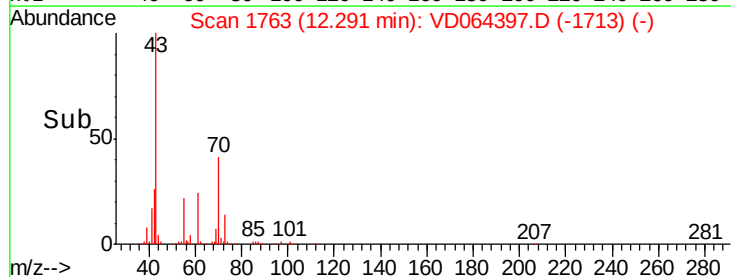
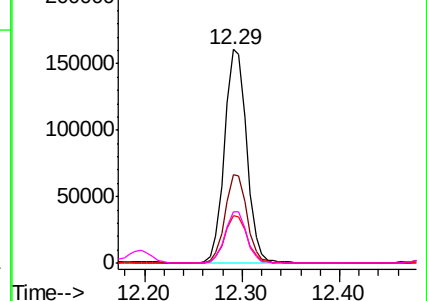


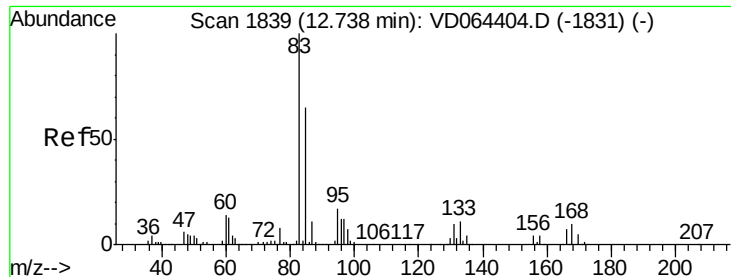
Abundance Ion 43.00 (42.70 to 43.70): VDC

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: 50.155 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD064397.D

Acq: 27 Nov 2019 15:35

Instrument :

MSVOA_D

ClientSampleId :

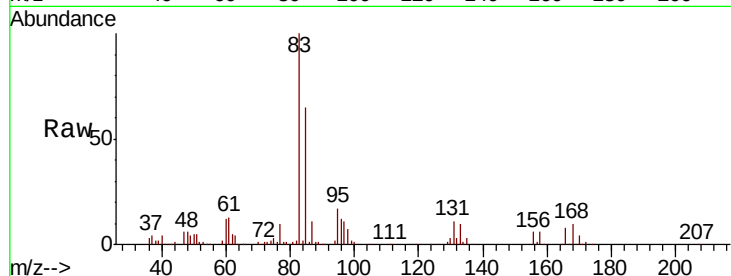
Tot Ion: 83 Resp: 178038

Ion Ratio Lower Upper

83 100

131 11.8 5.7 17.0

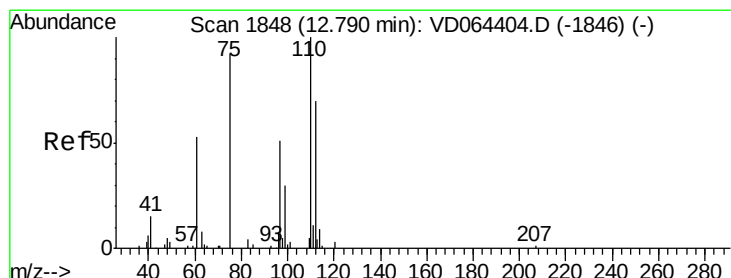
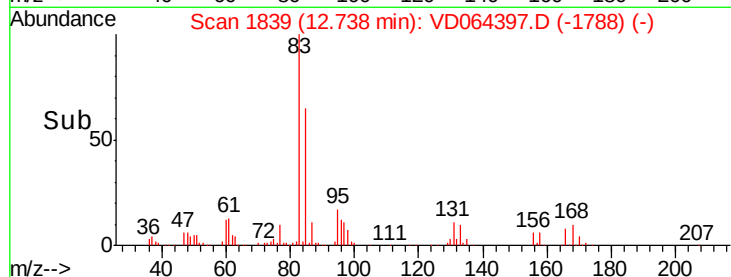
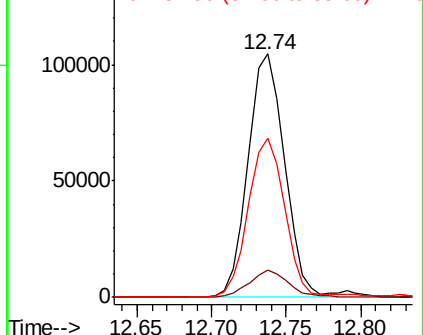
85 66.0 31.3 93.9



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: 95.224 ug/l

RT: 12.78 min Scan# 1847

Delta R.T. -0.01 min

Lab File: VD064397.D

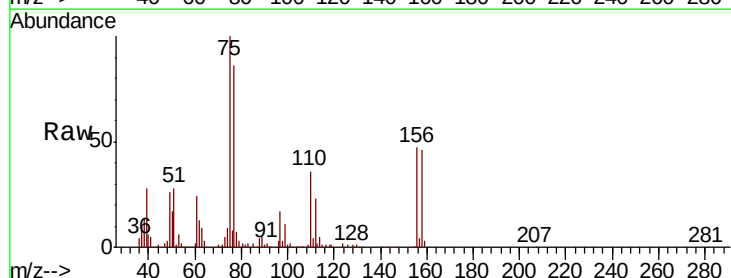
Acq: 27 Nov 2019 15:35

Tgt Ion: 75 Resp: 233725

Ion Ratio Lower Upper

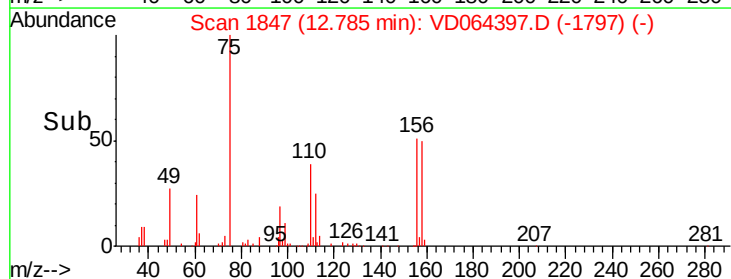
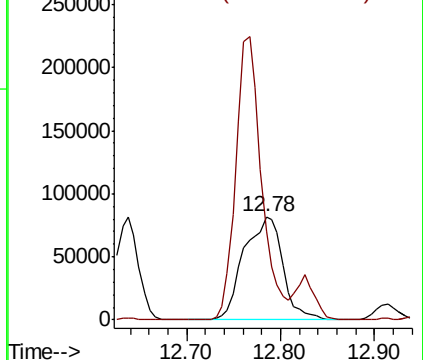
75 100

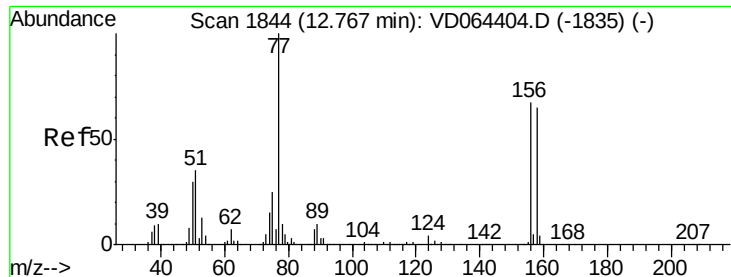
77 183.4 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC





#77

Bromobenzene

Concen: 50.754 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD064397.D

Acq: 27 Nov 2019 15:35

Instrument :

MSVOA_D

ClientSampleId :

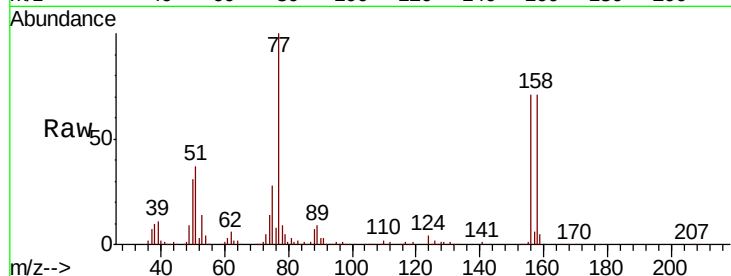
Tot Ion:156 Resp: 269043

Ion Ratio Lower Upper

156 100

77 159.3 80.0 240.2

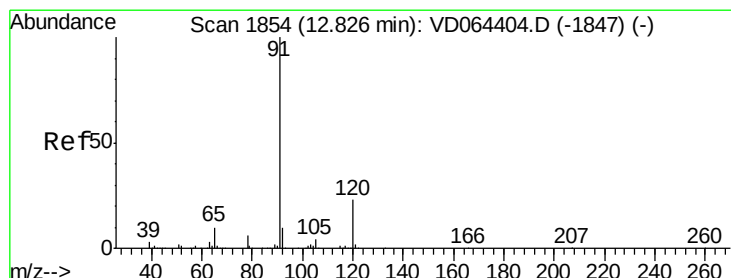
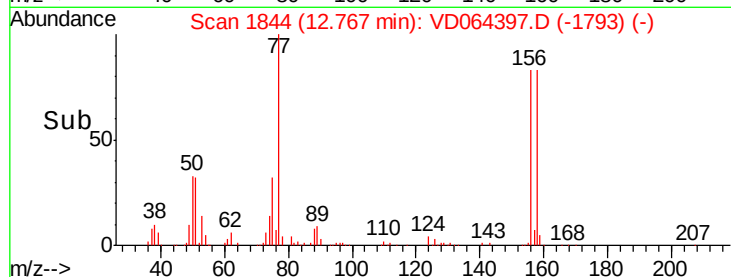
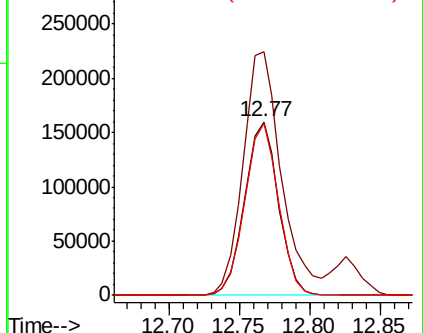
158 98.5 48.9 146.6



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: 51.431 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD064397.D

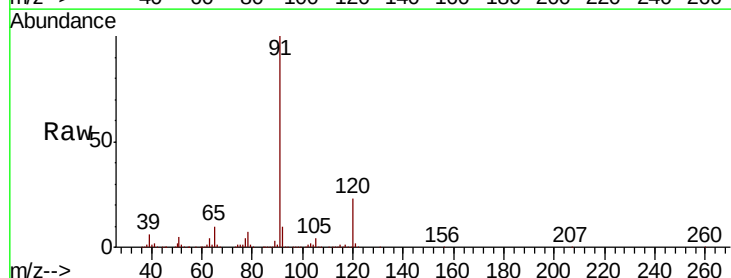
Acq: 27 Nov 2019 15:35

Tgt Ion: 91 Resp: 1273803

Ion Ratio Lower Upper

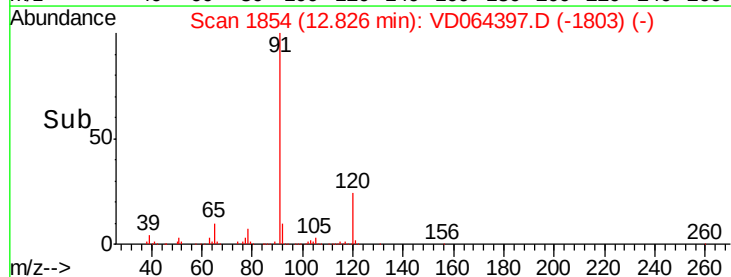
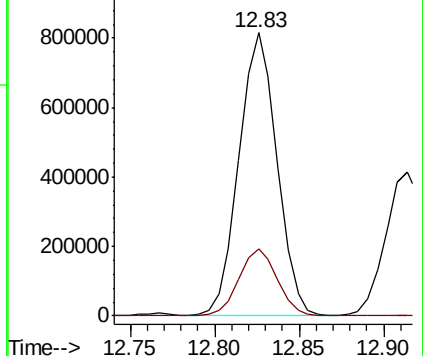
91 100

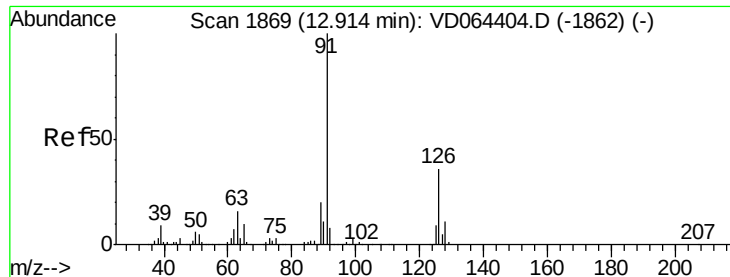
120 23.9 11.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 50.837 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.00 min

Lab File: VD064397.D

Acq: 27 Nov 2019 15:35

Instrument :

MSVOA_D

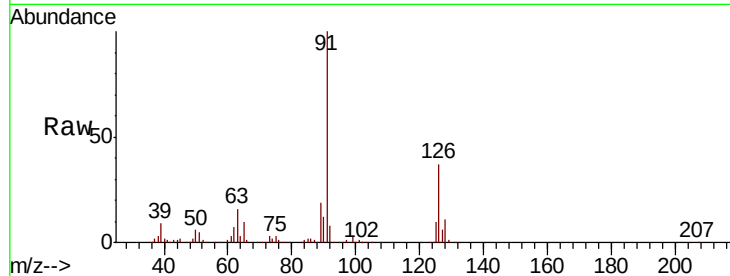
ClientSampled :

Tot Ion: 91 Resp: 692822

Ion Ratio Lower Upper

91 100

126 36.2 18.0 54.0



Abundance Ion 91.00 (90.70 to 91.70): VD064404.D (-1862) (-)

Ion 125.90 (125.60 to 126.60): VD064404.D (-1862) (-)

12.91

400000

300000

200000

100000

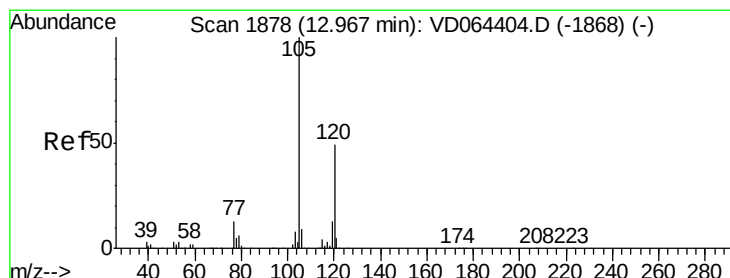
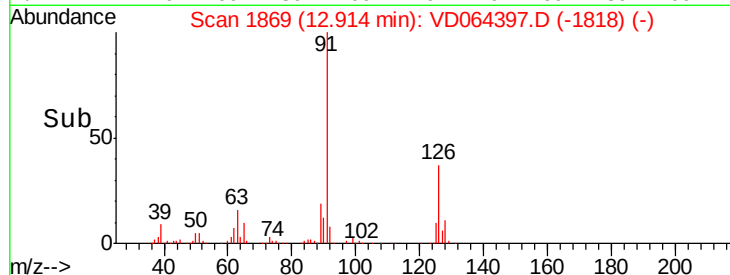
0

12.85

12.90

12.95

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 50.584 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.00 min

Lab File: VD064397.D

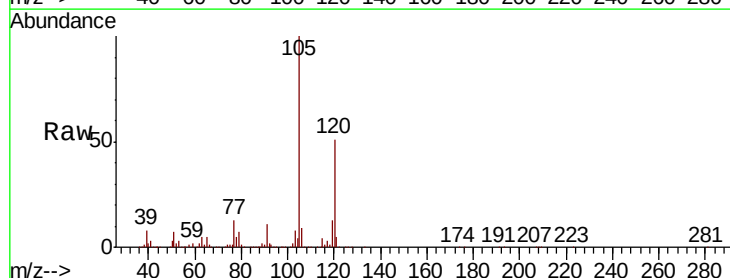
Acq: 27 Nov 2019 15:35

Tgt Ion: 105 Resp: 887326

Ion Ratio Lower Upper

105 100

120 50.9 25.1 75.3



Abundance Ion 105.00 (104.70 to 105.70): VD064404.D (-1868) (-)

Ion 120.00 (119.70 to 120.70): VD064404.D (-1868) (-)

12.97

600000

500000

400000

300000

200000

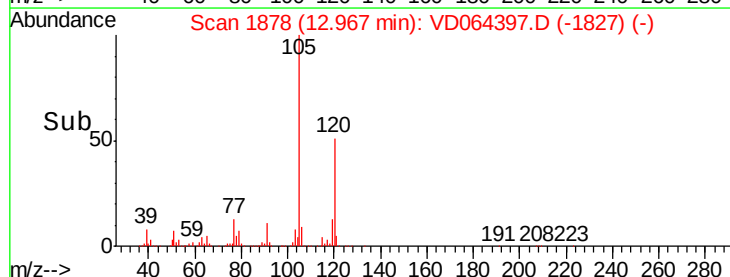
100000

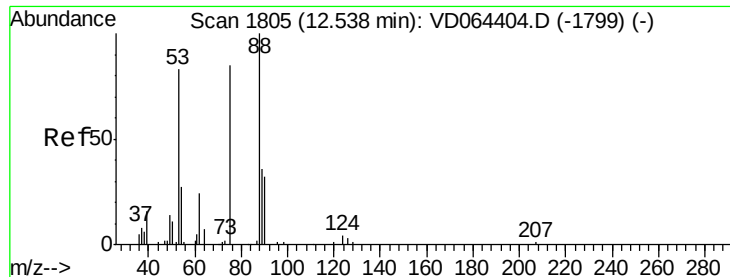
0

12.90

13.00

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 53.355 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. -0.01 min

Lab File: VD064397.D

Acq: 27 Nov 2019 15:35

Instrument :

MSVOA_D

ClientSampleId :

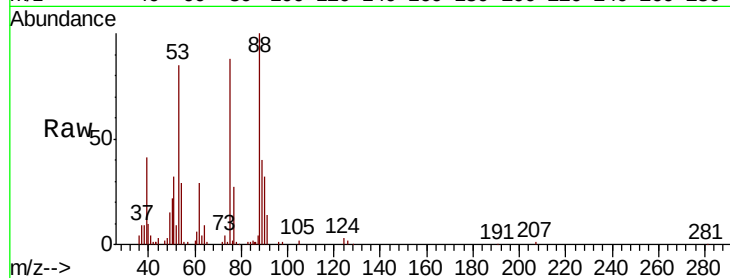
Tot Ion: 75 Resp: 60058

Ion Ratio Lower Upper

75 100

53 98.0 81.0 121.6

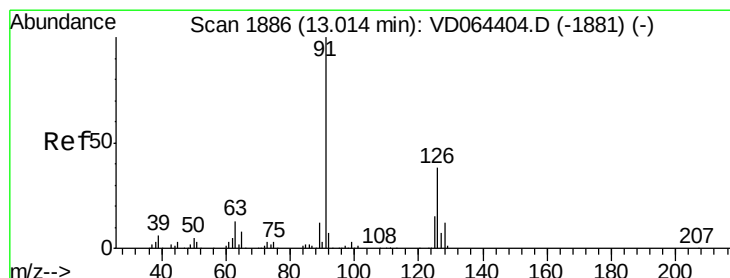
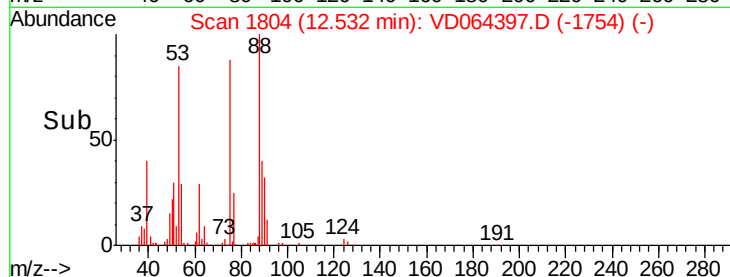
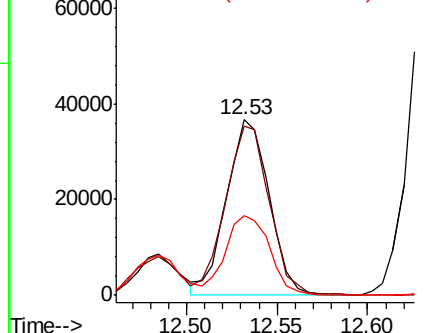
89 46.7 38.5 57.7



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: 50.157 ug/l

RT: 13.01 min Scan# 1885

Delta R.T. -0.01 min

Lab File: VD064397.D

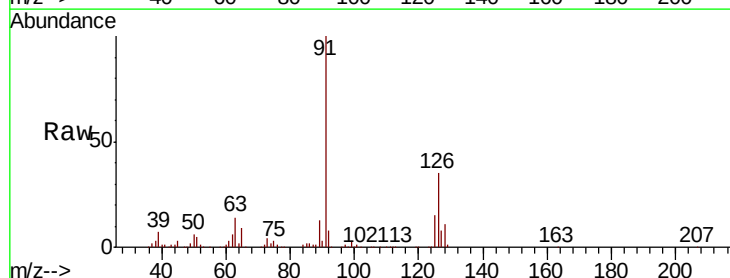
Acq: 27 Nov 2019 15:35

Tgt Ion: 91 Resp: 723737

Ion Ratio Lower Upper

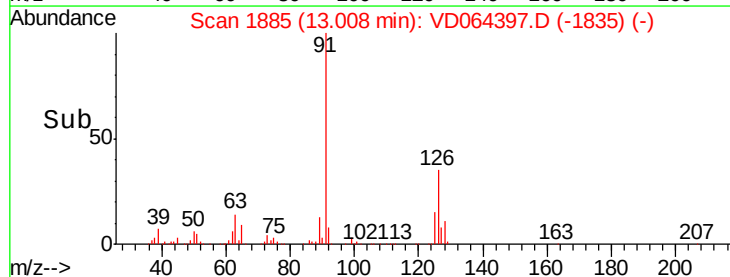
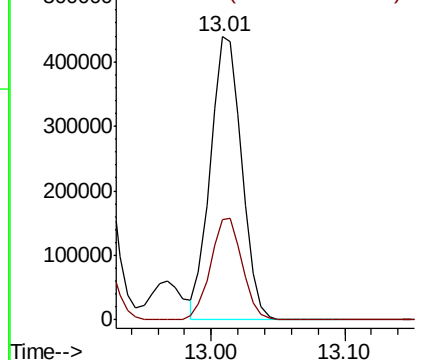
91 100

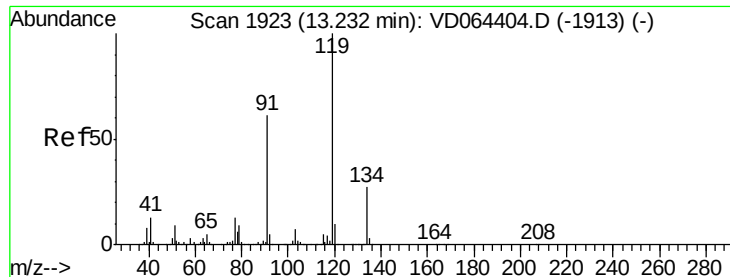
126 36.2 18.2 54.6



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.90 (125.60 to 126.60): V

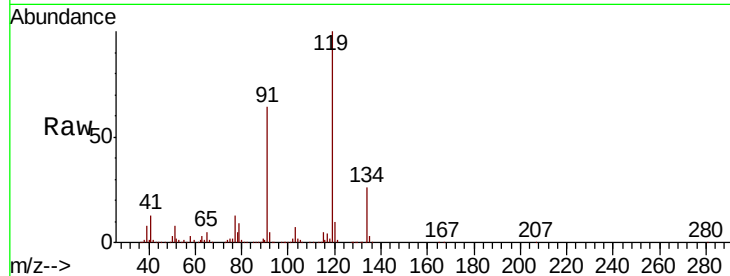




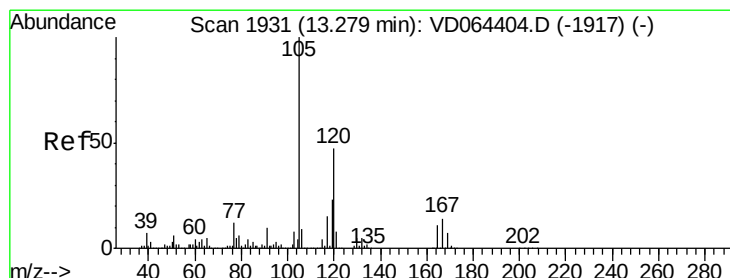
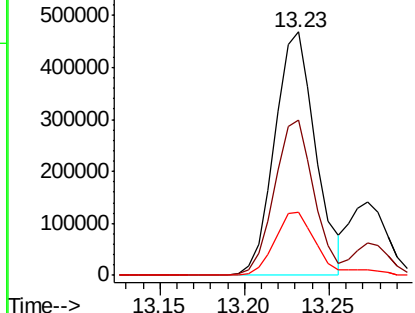
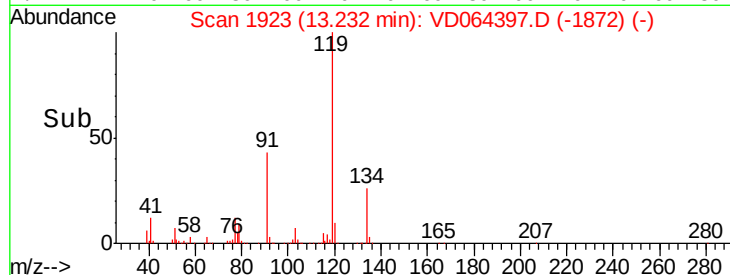
#83
 tert-Butylbenzene
 Concen: 51.647 ug/l
 RT: 13.23 min Scan# 1923
 Delta R.T. 0.00 min
 Lab File: VD064397.D
 Acq: 27 Nov 2019 15:35

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:119 Resp: 787644
 Ion Ratio Lower Upper
 119 100
 91 61.9 31.2 93.6
 134 25.6 13.9 41.7

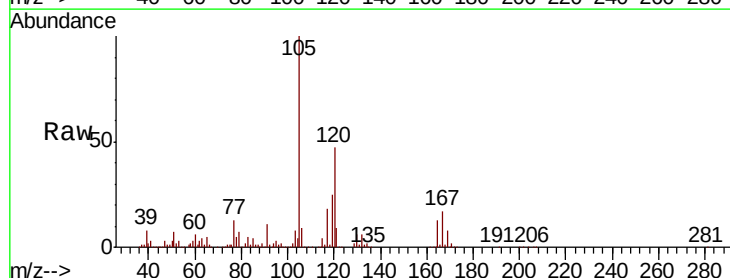


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

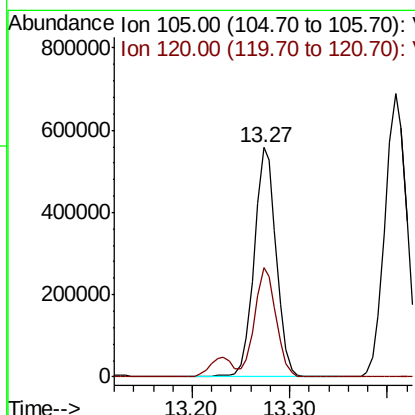
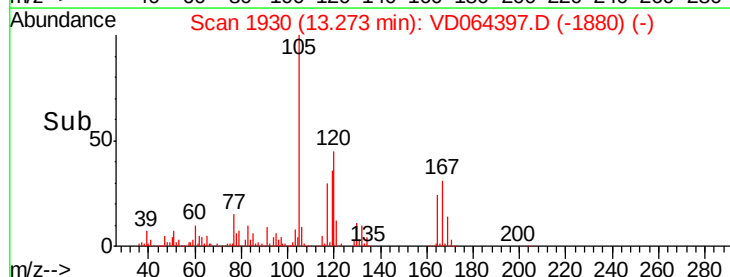


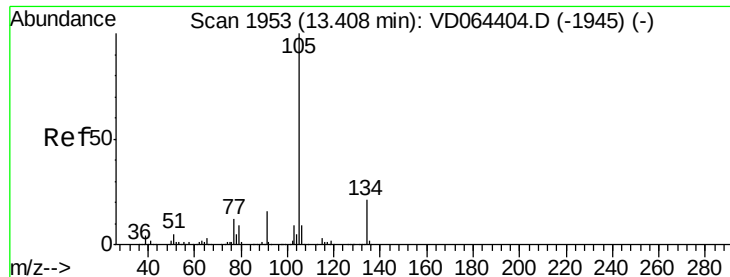
#84
 1,2,4-Trimethylbenzene
 Concen: 50.209 ug/l
 RT: 13.27 min Scan# 1930
 Delta R.T. -0.01 min
 Lab File: VD064397.D
 Acq: 27 Nov 2019 15:35

Tgt Ion:105 Resp: 885621
 Ion Ratio Lower Upper
 105 100
 120 46.1 23.6 70.8



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

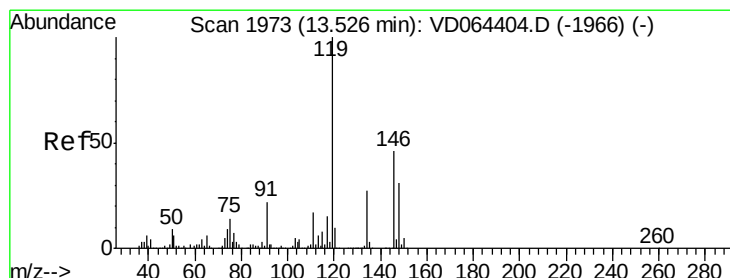
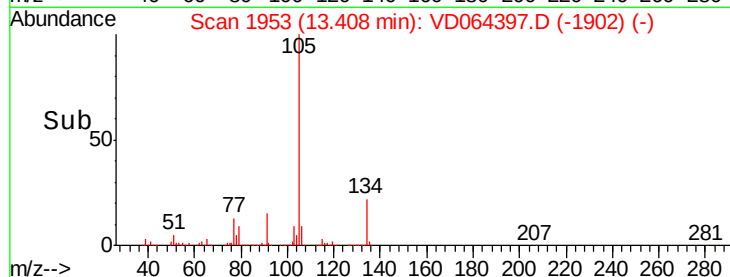
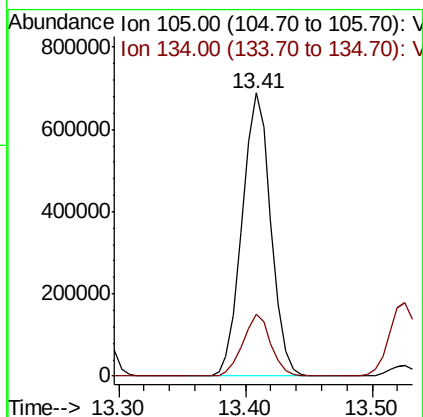
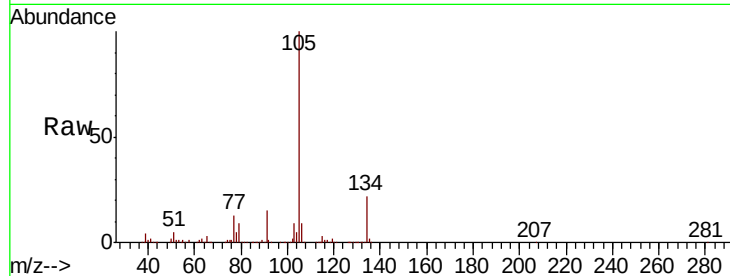




#85
 sec-Butylbenzene
 Concen: 51.598 ug/l
 RT: 13.41 min Scan# 1953
 Delta R.T. 0.00 min
 Lab File: VD064397.D
 Acq: 27 Nov 2019 15:35

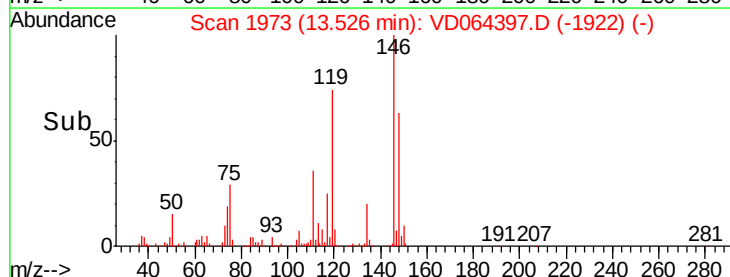
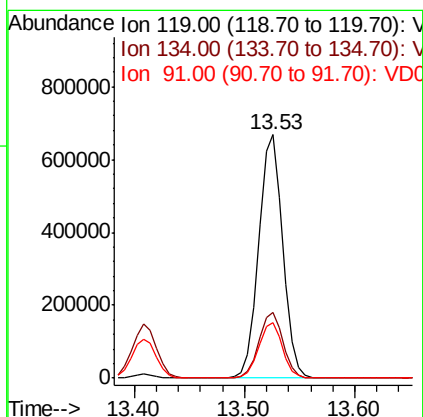
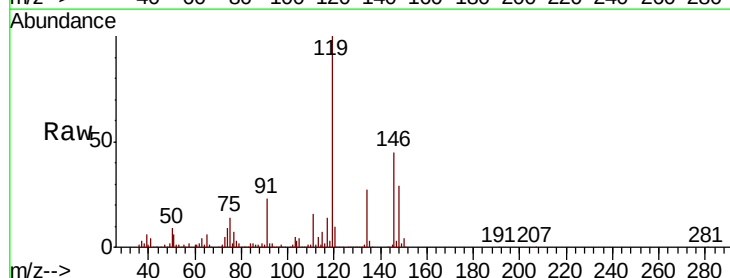
Instrument :
 MSVOA_D
 ClientSampleId :

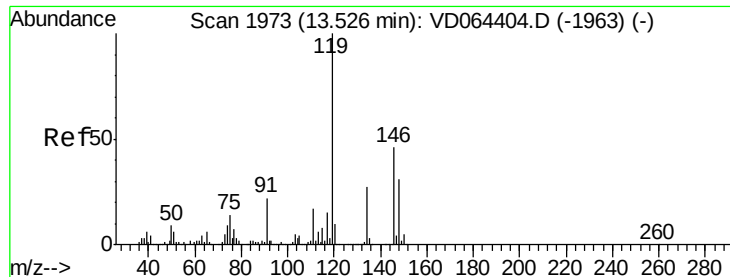
Tot Ion:105 Resp: 1079986
 Ion Ratio Lower Upper
 105 100
 134 21.2 10.5 31.5



#86
 p-Isopropyltoluene
 Concen: 51.632 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.00 min
 Lab File: VD064397.D
 Acq: 27 Nov 2019 15:35

Tgt Ion:119 Resp: 1020286
 Ion Ratio Lower Upper
 119 100
 134 26.8 13.5 40.4
 91 22.4 11.2 33.5

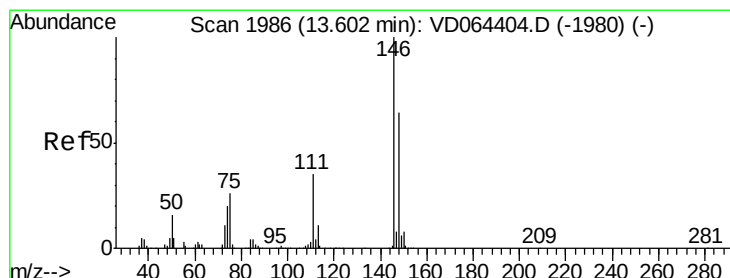
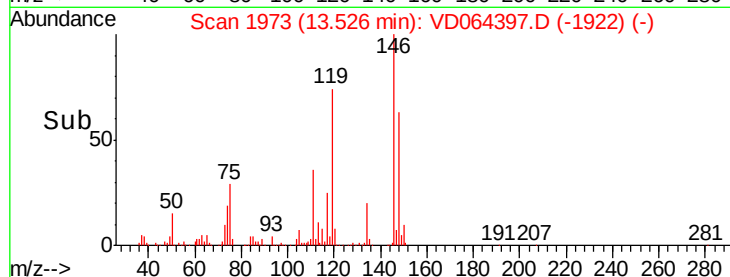
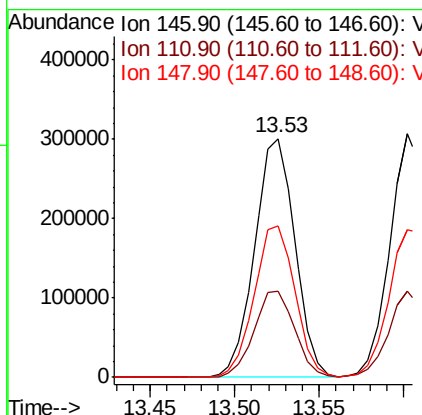
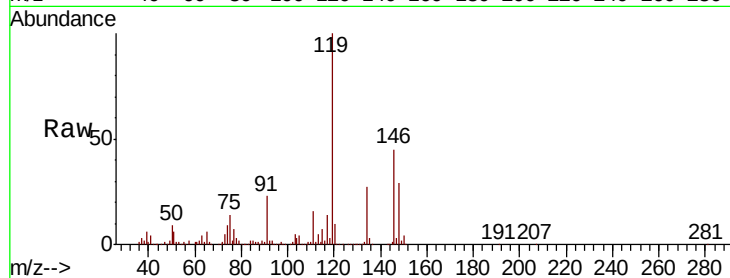




#87
 1,3-Dichlorobenzene
 Concen: 49.695 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.00 min
 Lab File: VD064397.D
 Acq: 27 Nov 2019 15:35

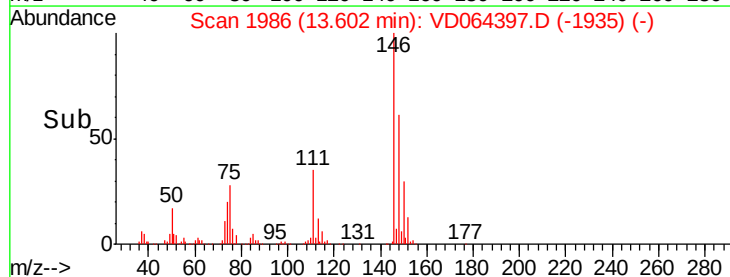
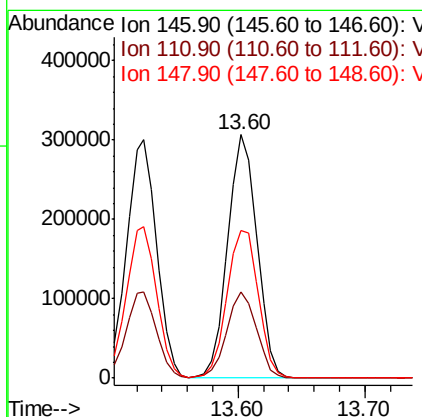
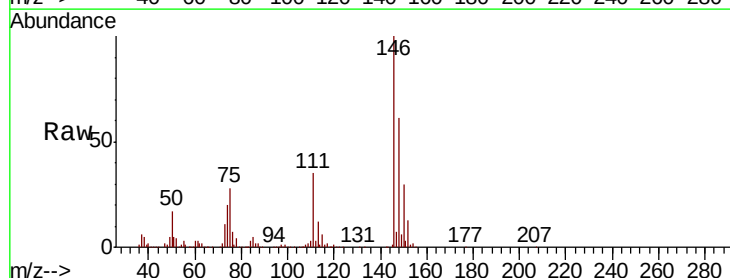
Instrument :
 MSVOA_D
 ClientSampleId :

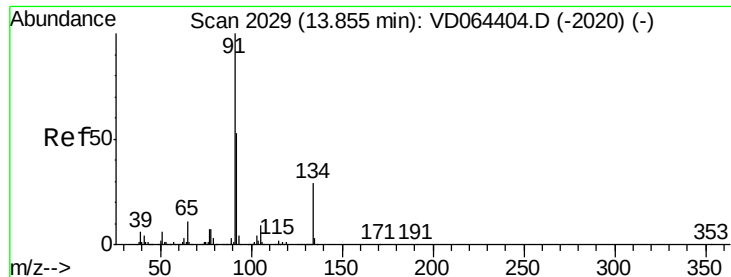
Tot Ion	Ratio	Lower	Upper
146	100		
111	36.4	18.8	56.4
148	64.1	32.6	97.8



#88
 1,4-Dichlorobenzene
 Concen: 49.470 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VD064397.D
 Acq: 27 Nov 2019 15:35

Tgt Ion	Ratio	Lower	Upper
146	100		
111	35.9	18.2	54.6
148	64.7	31.8	95.4

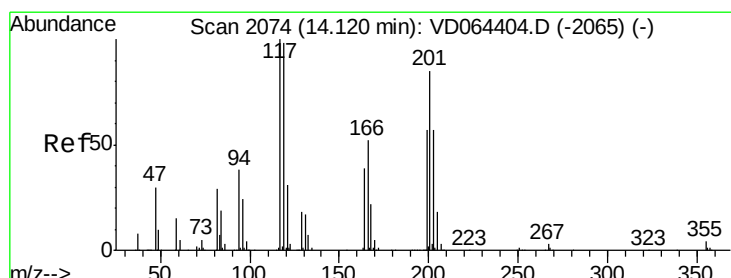
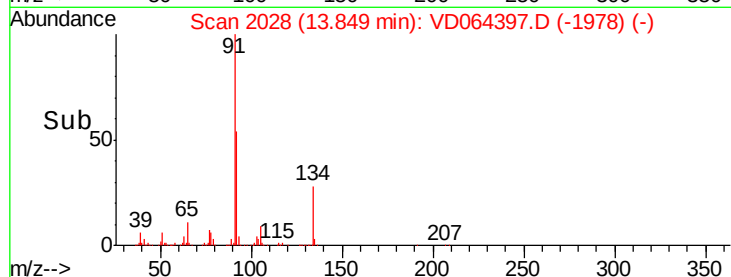
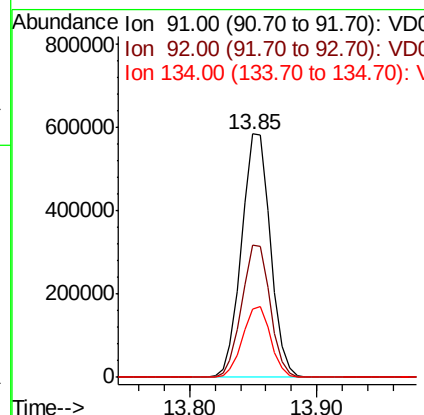
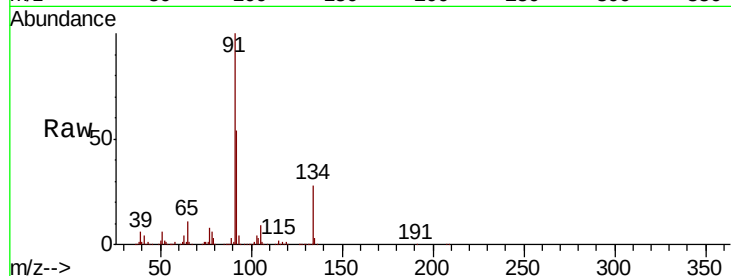




#89
n-Butylbenzene
Concen: 51.176 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. -0.01 min
Lab File: VD064397.D
Acq: 27 Nov 2019 15:35

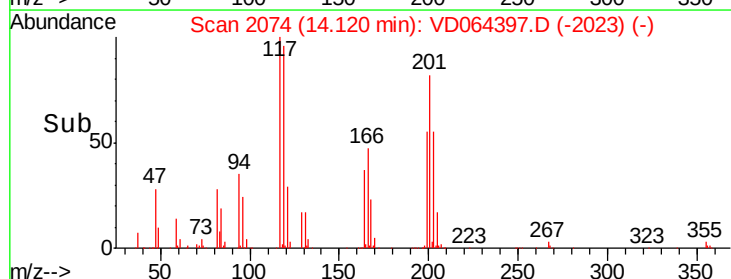
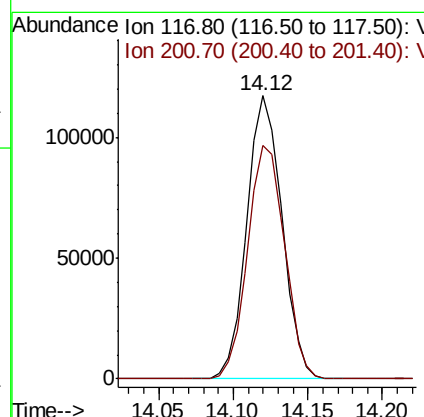
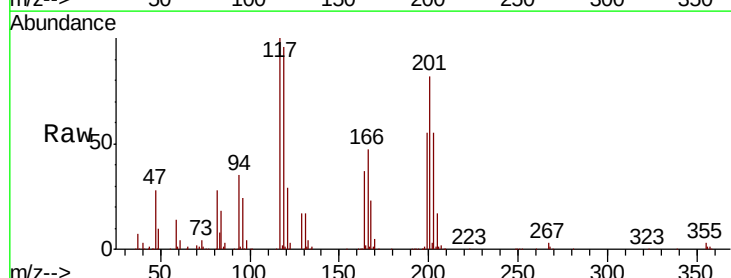
Instrument :
MSVOA_D
ClientSampleId :

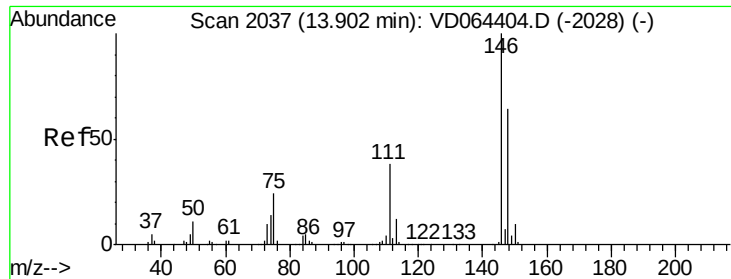
Tot Ion	Ratio	Lower	Upper
91	100		
92	53.7	26.5	79.4
134	28.4	13.9	41.7



#90
Hexachloroethane
Concen: 51.848 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.00 min
Lab File: VD064397.D
Acq: 27 Nov 2019 15:35

Tgt Ion	Ratio	Lower	Upper
117	100		
201	86.4	44.3	132.8

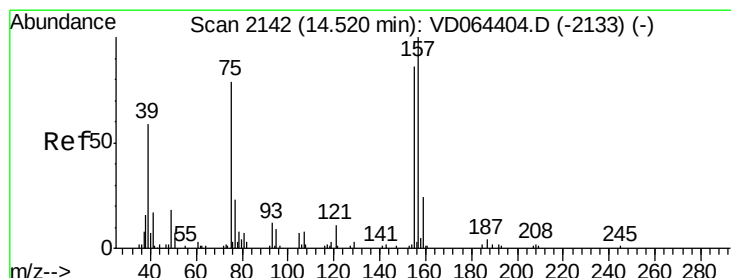
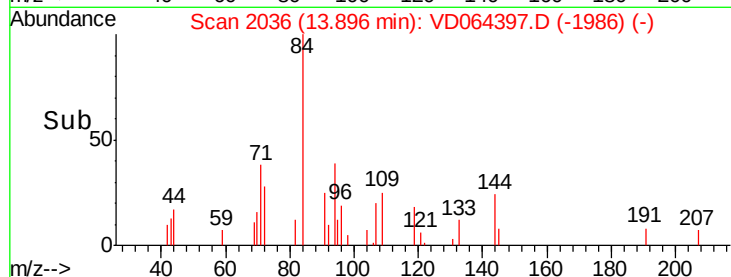
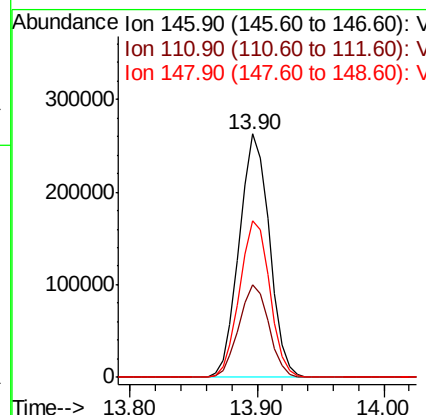
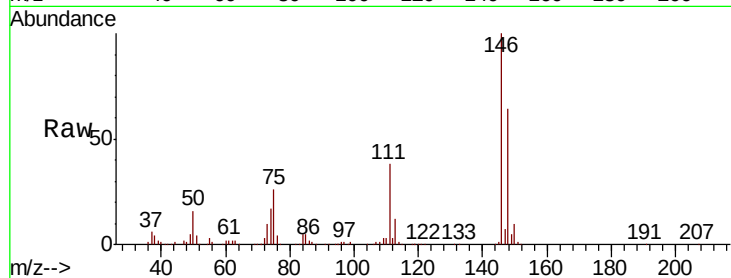




#91
 1,2-Dichlorobenzene
 Concen: 50.362 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. -0.01 min
 Lab File: VD064397.D
 Acq: 27 Nov 2019 15:35

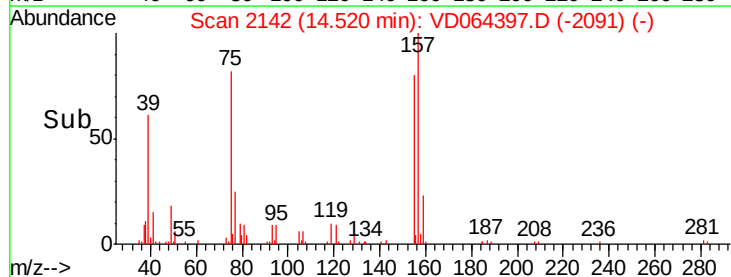
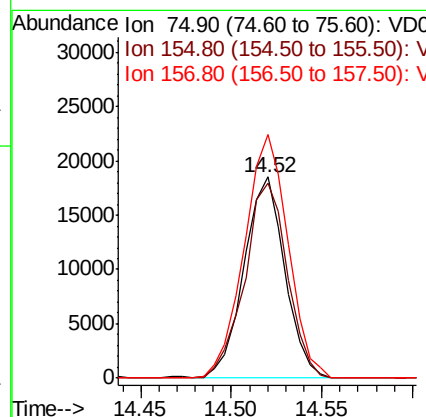
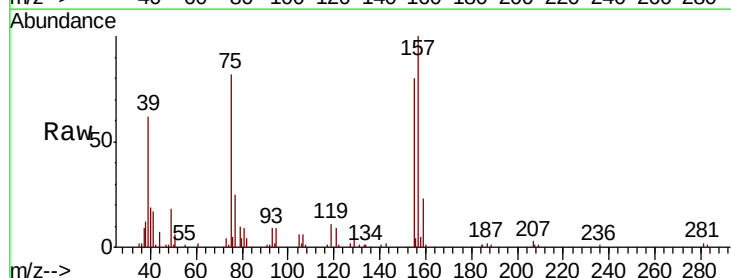
Instrument :
 MSVOA_D
 ClientSampleId :

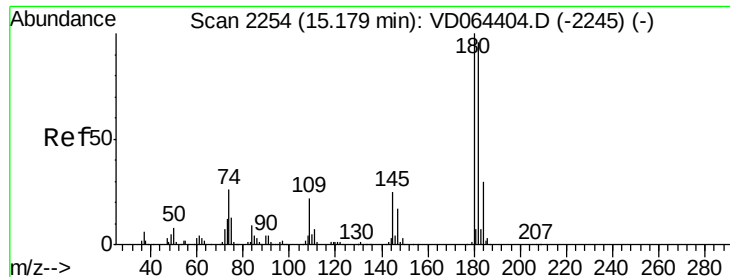
Tot Ion	Ratio	Lower	Upper
146	100		
111	38.0	19.1	57.3
148	64.5	32.0	96.0



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 55.242 ug/l
 RT: 14.52 min Scan# 2142
 Delta R.T. 0.00 min
 Lab File: VD064397.D
 Acq: 27 Nov 2019 15:35

Tgt Ion	Ratio	Lower	Upper
75	100		
155	100.9	51.9	155.7
157	129.2	63.2	189.8

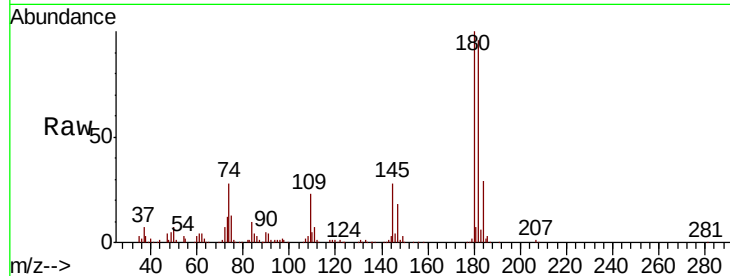




#93
 1,2,4-Trichlorobenzene
 Concen: 49.108 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. -0.01 min
 Lab File: VD064397.D
 Acq: 27 Nov 2019 15:35

Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.7	47.4	142.3
145	27.7	14.0	41.9

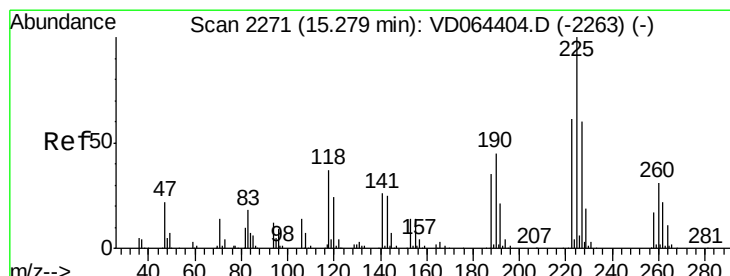
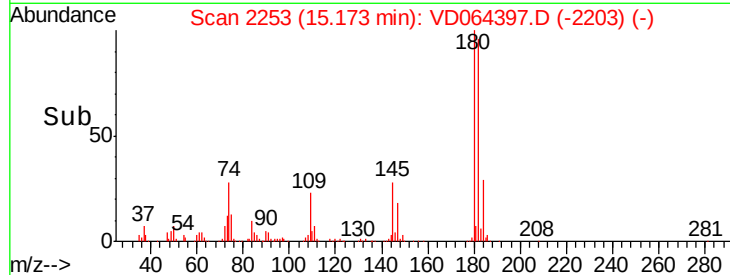
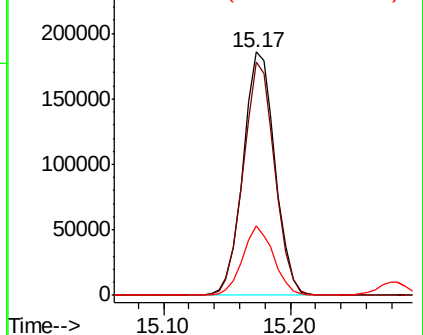


Abundance

Ion 179.80 (179.50 to 180.50): V

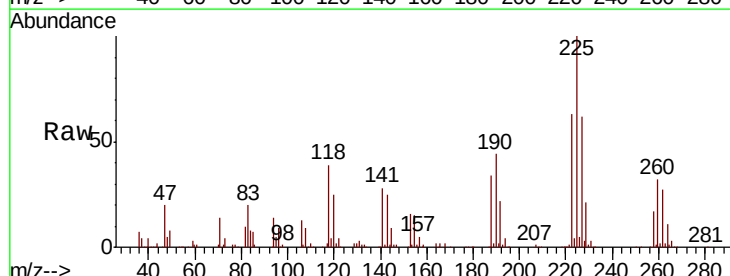
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 49.890 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.00 min
 Lab File: VD064397.D
 Acq: 27 Nov 2019 15:35

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.9	31.1	93.3
227	65.1	31.8	95.4

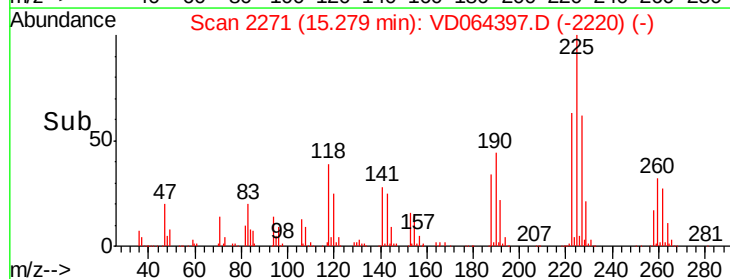
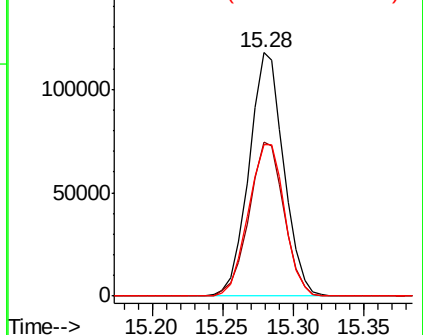


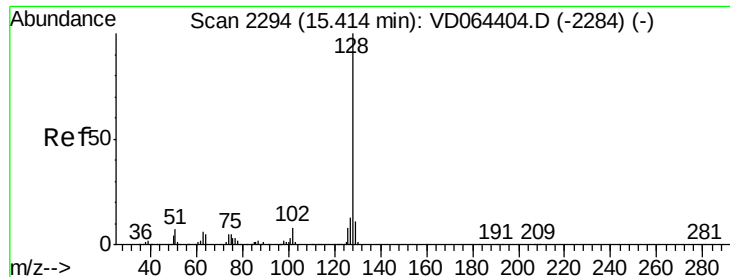
Abundance

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

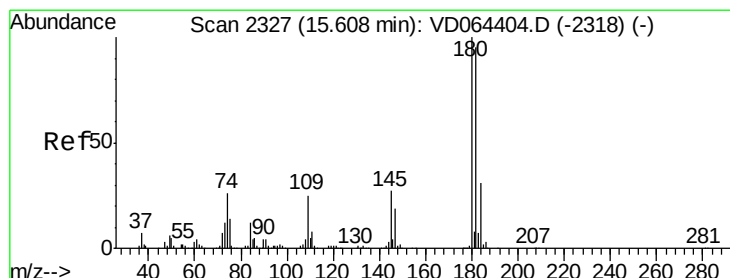
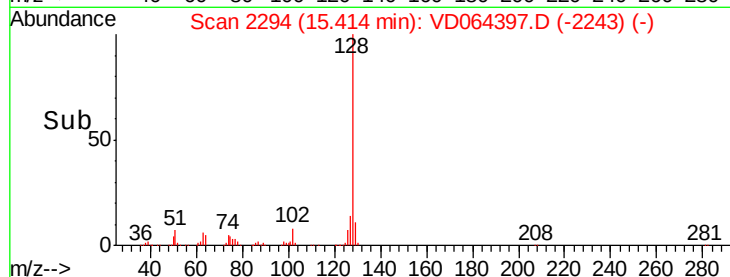
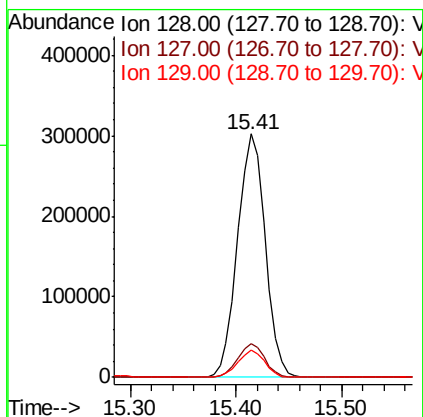
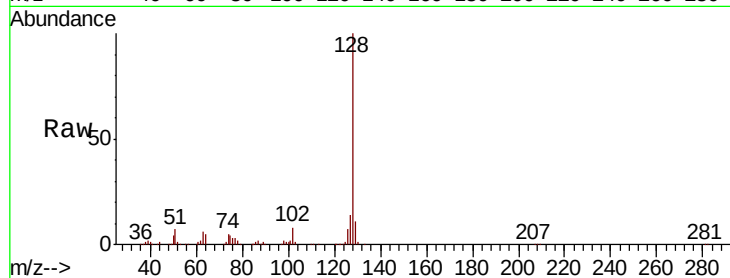




#95
Naphthalene
Concen: 49.825 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. 0.00 min
Lab File: VD064397.D
Acq: 27 Nov 2019 15:35

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:128 Resp: 547557
Ion Ratio Lower Upper
128 100
127 13.5 10.5 15.7
129 10.6 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 50.299 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. 0.00 min
Lab File: VD064397.D
Acq: 27 Nov 2019 15:35

Tgt Ion:180 Resp: 282731
Ion Ratio Lower Upper
180 100
182 94.8 47.6 142.9
145 29.2 14.6 43.8

