

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD012420\
 Data File : VD064939.D
 Acq On : 24 Jan 2020 13:19
 Operator : VA/SY
 Sample : VD0124SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jan 25 02:37:49 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D012320S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 23 13:45:59 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	428488	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	649456	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	573393	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	277699	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.33	65	213981	52.06	ug/l	0.00
Spiked Amount			Recovery	=	104.12%	
35) Dibromofluoromethane	7.92	113	207635	50.88	ug/l	0.00
Spiked Amount			Recovery	=	101.76%	
50) Toluene-d8	10.34	98	806959	51.23	ug/l	0.00
Spiked Amount			Recovery	=	102.46%	
62) 4-Bromofluorobenzene	12.64	95	246326	51.10	ug/l	0.00
Spiked Amount			Recovery	=	102.20%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	66634	20.642	ug/l	93
3) Chloromethane	2.21	50	102442	21.653	ug/l	97
4) Vinyl Chloride	2.35	62	114929	21.151	ug/l	98
5) Bromomethane	2.76	94	83715	22.903	ug/l	92
6) Chloroethane	2.92	64	76897	21.465	ug/l	97
7) Trichlorofluoromethane	3.27	101	176920	21.082	ug/l	99
8) Diethyl Ether	3.70	74	39181	20.682	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.08	101	81900	20.977	ug/l	98
10) Methyl Iodide	4.29	142	82849	19.991	ug/l	99
11) Tert butyl alcohol	5.24	59	23028	101.388	ug/l #	93
12) 1,1-Dichloroethene	4.06	96	77462	20.768	ug/l	91
13) Acrolein	3.93	56	29302	102.912	ug/l	97
14) Allyl chloride	4.71	41	125422	21.083	ug/l	100
15) Acrylonitrile	5.43	53	85390	104.084	ug/l	99
16) Acetone	4.17	43	81751	84.168	ug/l	98
17) Carbon Disulfide	4.40	76	257021	20.938	ug/l	98
18) Methyl Acetate	4.72	43	40677	21.131	ug/l	99
19) Methyl tert-butyl Ether	5.48	73	172691	20.721	ug/l	94
20) Methylene Chloride	4.96	84	97475	20.630	ug/l	93
21) trans-1,2-Dichloroethene	5.47	96	90904	21.154	ug/l	94
22) Diisopropyl ether	6.37	45	251197	21.188	ug/l	96
23) Vinyl Acetate	6.31	43	704045	101.429	ug/l	100
24) 1,1-Dichloroethane	6.26	63	155478	21.360	ug/l	98
25) 2-Butanone	7.22	43	107785	97.068	ug/l	97
26) 2,2-Dichloropropane	7.21	77	136531	20.679	ug/l	98
27) cis-1,2-Dichloroethene	7.21	96	96683	21.079	ug/l	99
28) Bromochloromethane	7.55	49	51642	17.740	ug/l	98
29) Tetrahydrofuran	7.57	42	69310	101.164	ug/l	98
30) Chloroform	7.71	83	155958	20.727	ug/l	100
31) Cyclohexane	7.98	56	144012	20.111	ug/l	93
32) 1,1,1-Trichloroethane	7.90	97	145557	20.794	ug/l	99
36) 1,1-Dichloropropene	8.11	75	127009	20.281	ug/l	99
37) Ethyl Acetate	7.30	43	50135	19.381	ug/l	100
38) Carbon Tetrachloride	8.10	117	131600	19.881	ug/l	97

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 Data File : VD064939.D
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 Operator : VA/SY
 Sample : VD0124SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jan 25 02:37:49 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D012320S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 23 13:45:59 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	143999	19.667	ug/l	95
40) Benzene	8.35	78	352931	20.462	ug/l	96
41) Methacrylonitrile	7.53	41	27810	19.957	ug/l	95
42) 1,2-Dichloroethane	8.43	62	106373	20.704	ug/l	97
43) Isopropyl Acetate	8.46	43	95810	19.498	ug/l	99
44) Trichloroethene	9.11	130	98000	20.302	ug/l	92
45) 1,2-Dichloropropane	9.39	63	85572	20.465	ug/l	95
46) Dibromomethane	9.48	93	45490	19.927	ug/l	98
47) Bromodichloromethane	9.67	83	122534	20.628	ug/l	97
48) Methyl methacrylate	9.46	41	44165	19.531	ug/l	92
49) 1,4-Dioxane	9.47	88	11268	425.596	ug/l #	96
51) 4-Methyl-2-Pentanone	10.24	43	244040	99.258	ug/l	97
52) Toluene	10.40	92	226608	20.378	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	110456	19.521	ug/l	99
54) cis-1,3-Dichloropropene	10.10	75	135083	20.390	ug/l	98
55) 1,1,2-Trichloroethane	10.81	97	61572	20.024	ug/l	95
56) Ethyl methacrylate	10.67	69	73262	19.924	ug/l	99
57) 1,3-Dichloropropane	10.95	76	106407	20.175	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.94	63	118165	96.728	ug/l	99
59) 2-Hexanone	10.99	43	162121	95.595	ug/l	98
60) Dibromochloromethane	11.14	129	84673	20.602	ug/l	99
61) 1,2-Dibromoethane	11.25	107	59341	20.042	ug/l	97
64) Tetrachloroethene	10.88	164	86502	20.877	ug/l	97
65) Chlorobenzene	11.67	112	237714	20.419	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.75	131	90321	20.629	ug/l	99
67) Ethyl Benzene	11.75	91	416948	20.173	ug/l	96
68) m/p-Xylenes	11.86	106	326545	41.034	ug/l	100
69) o-Xylene	12.18	106	145023	20.534	ug/l	98
70) Styrene	12.20	104	255092	20.276	ug/l	99
71) Bromoform	12.37	173	49034	20.147	ug/l #	98
73) Isopropylbenzene	12.48	105	390618	20.580	ug/l	98
74) N-amyl acetate	12.30	43	83992	19.776	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	66131	20.730	ug/l	98
76) 1,2,3-Trichloropropane	12.79	75	89582	38.865	ug/l #	100
77) Bromobenzene	12.77	156	98157	21.136	ug/l	99
78) n-propylbenzene	12.83	91	466731	20.677	ug/l	100
79) 2-Chlorotoluene	12.91	91	260883	21.068	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	331495	21.312	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.53	75	22139	20.509	ug/l	98
82) 4-Chlorotoluene	13.01	91	277768	21.152	ug/l	99
83) tert-Butylbenzene	13.23	119	275225	20.851	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	324685	20.606	ug/l	99
85) sec-Butylbenzene	13.41	105	383342	20.511	ug/l	100
86) p-Isopropyltoluene	13.53	119	363183	20.766	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	181880	20.412	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	186474	21.085	ug/l	99
89) n-Butylbenzene	13.85	91	327298	20.507	ug/l	99
90) Hexachloroethane	14.12	117	72000	21.348	ug/l	100
91) 1,2-Dichlorobenzene	13.90	146	155380	20.540	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	10325	20.225	ug/l	98

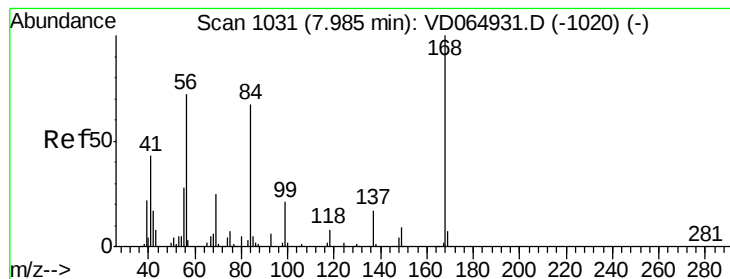
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD012420\
 Data File : VD064939.D
 Acq On : 24 Jan 2020 13:19
 Operator : VA/SY
 Sample : VD0124SBSD01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
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Instrument :
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 ClientSampleId :

Quant Time: Jan 25 02:37:49 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D012320S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 23 13:45:59 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	108425	20.718	ug/l	96
94) Hexachlorobutadiene	15.28	225	67844	20.495	ug/l	98
95) Naphthalene	15.41	128	166989	19.771	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	94388	20.801	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD064939.D

Acq: 24 Jan 2020 13:19

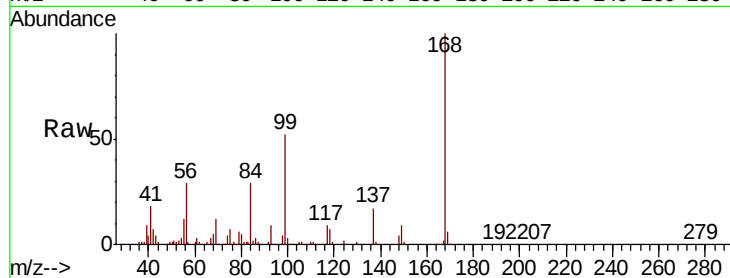
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 428488

Ion Ratio Lower Upper

168 100

99 52.0 43.3 64.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

200000

150000

100000

50000

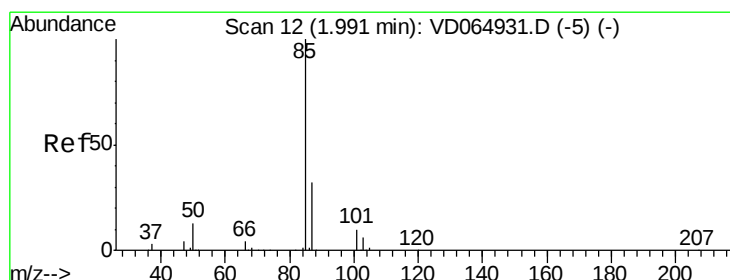
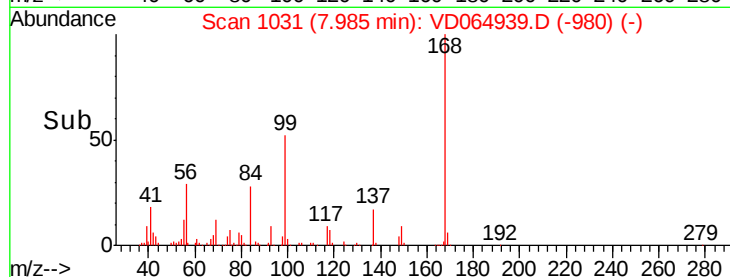
0

Time-->

7.90

8.00

8.10



#2

Dichlorodifluoromethane

Concen: 20.642 ug/l

RT: 1.99 min Scan# 12

Delta R.T. -0.00 min

Lab File: VD064939.D

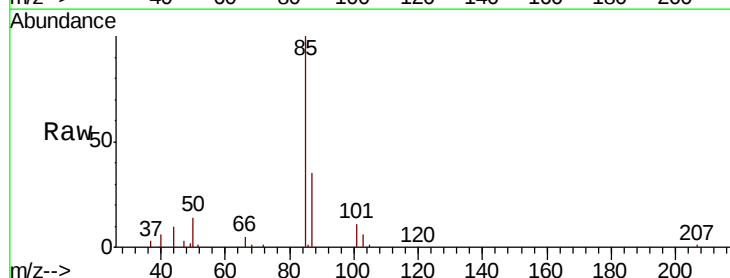
Acq: 24 Jan 2020 13:19

Tgt Ion: 85 Resp: 66634

Ion Ratio Lower Upper

85 100

87 35.1 15.8 47.3



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

50000

40000

30000

20000

10000

0

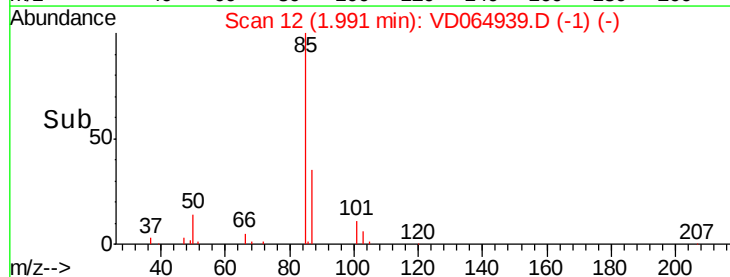
Time-->

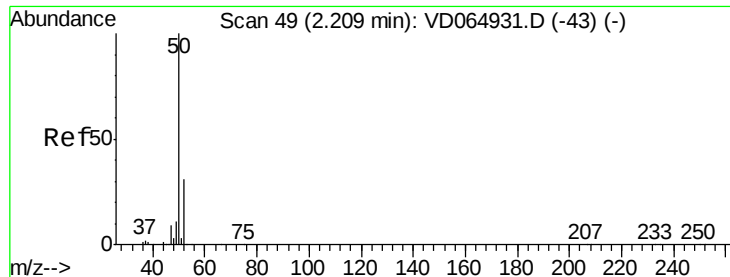
1.95

2.00

2.05

2.10





#3

Chloromethane

Concen: 21.653 ug/l

RT: 2.21 min Scan# 49

Delta R.T. -0.00 min

Lab File: VD064939.D

Acq: 24 Jan 2020 13:19

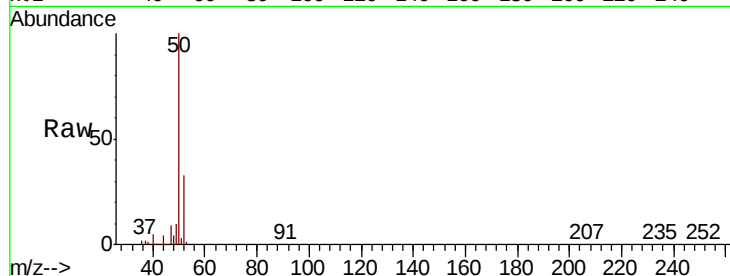
Instrument :

MSVOA_D

ClientSampleId :

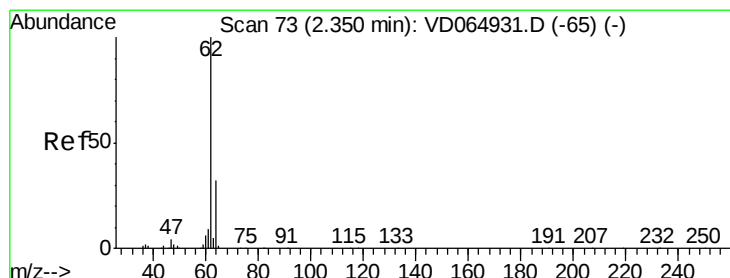
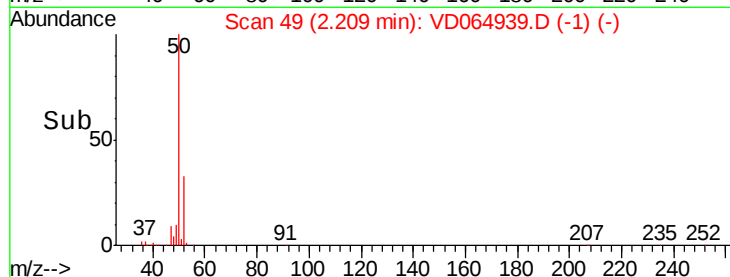
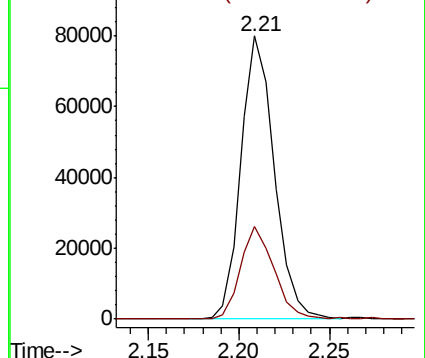
Tot Ion: 50 Resp: 102442

Ion	Ratio	Lower	Upper
50	100		
52	32.6	24.6	36.8



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 21.151 ug/l

RT: 2.35 min Scan# 73

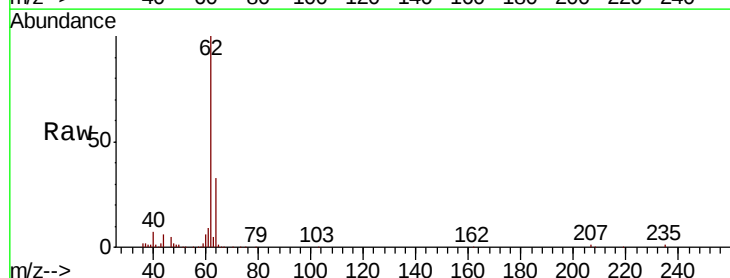
Delta R.T. -0.00 min

Lab File: VD064939.D

Acq: 24 Jan 2020 13:19

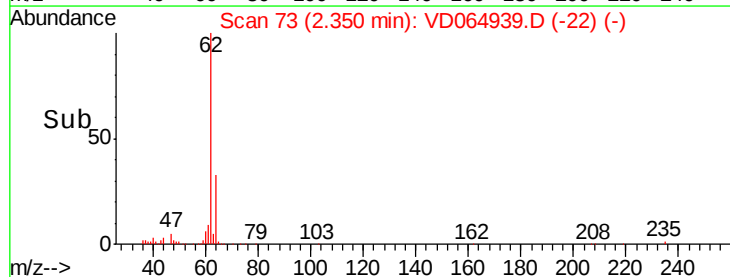
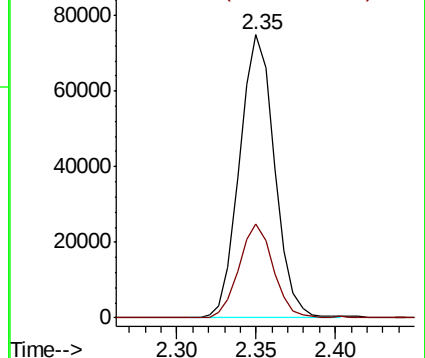
Tgt Ion: 62 Resp: 114929

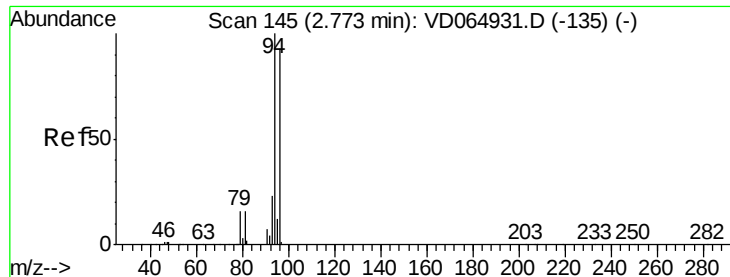
Ion	Ratio	Lower	Upper
62	100		
64	33.1	25.6	38.4



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 22.903 ug/l

RT: 2.76 min Scan# 142

Delta R.T. -0.02 min

Lab File: VD064939.D

Acq: 24 Jan 2020 13:19

Instrument :

MSVOA_D

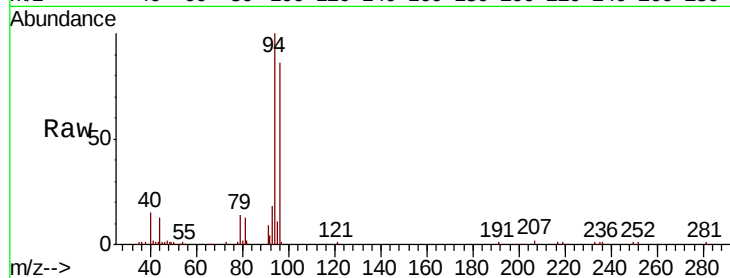
ClientSampleId :

Tot Ion: 94 Resp: 83715

Ion Ratio Lower Upper

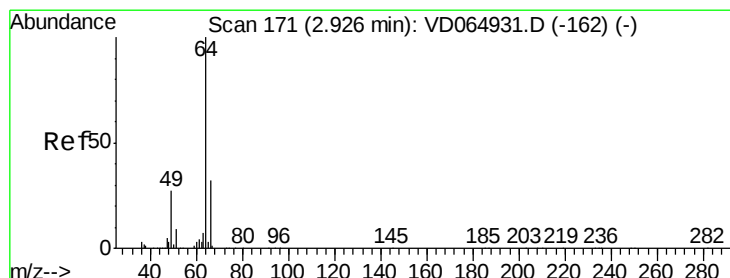
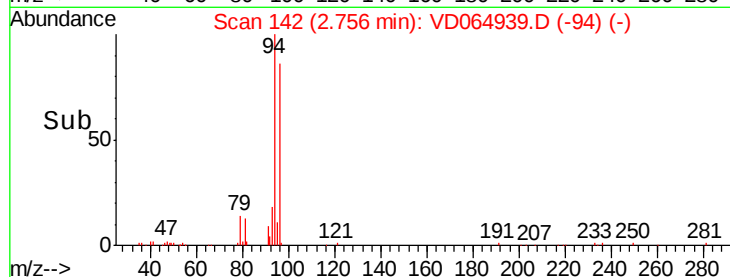
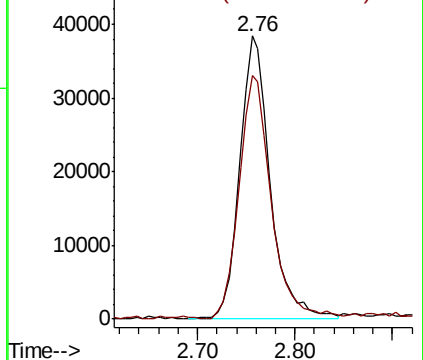
94 100

96 85.4 74.6 111.8



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 21.465 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.01 min

Lab File: VD064939.D

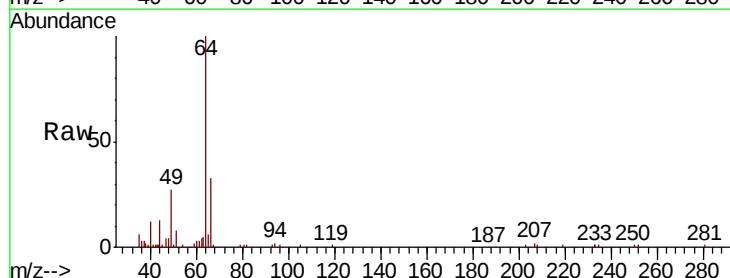
Acq: 24 Jan 2020 13:19

Tgt Ion: 64 Resp: 76897

Ion Ratio Lower Upper

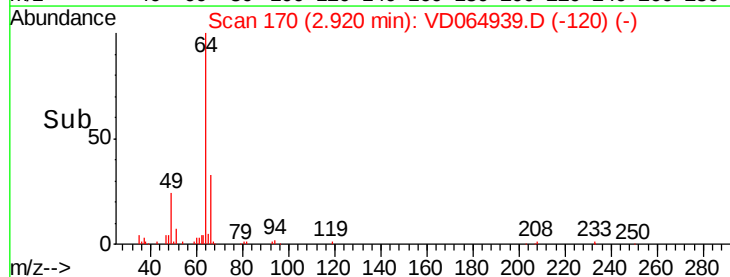
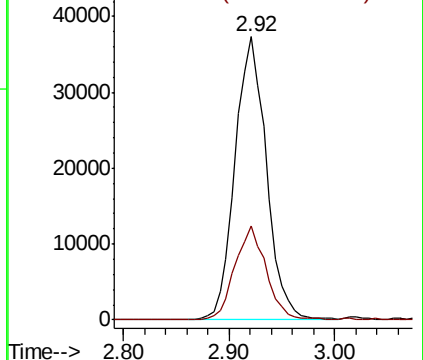
64 100

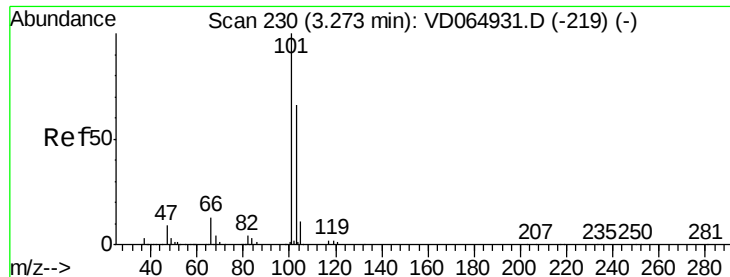
66 33.2 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC



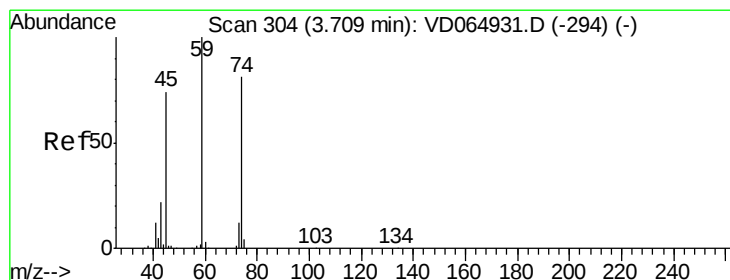
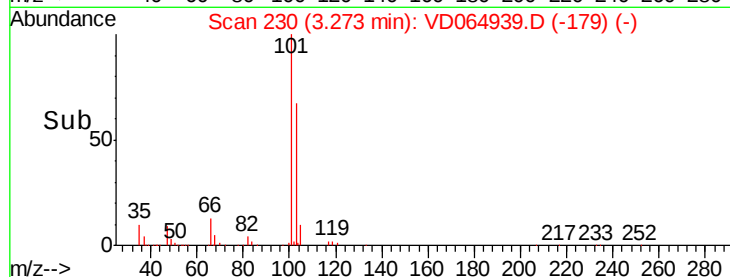
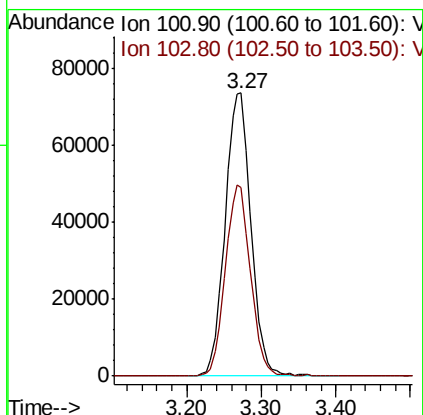
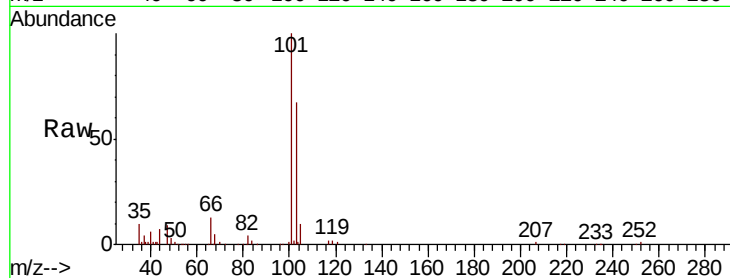


#7

Trichlorofluoromethane
Concen: 21.082 ug/l
RT: 3.27 min Scan# 230
Delta R.T. -0.00 min
Lab File: VD064939.D
Acq: 24 Jan 2020 13:19

Instrument :
MSVOA_D
ClientSampled :

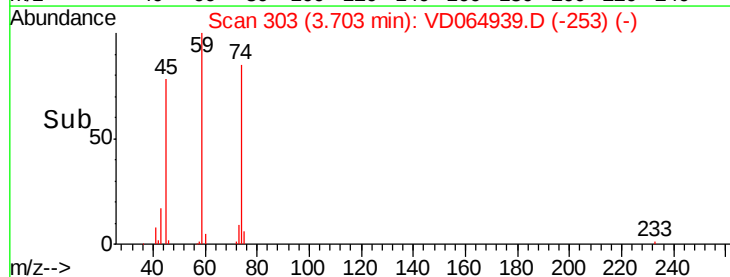
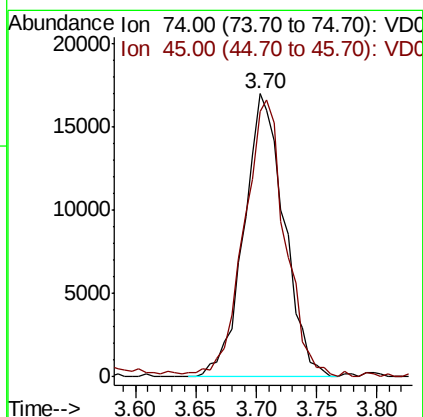
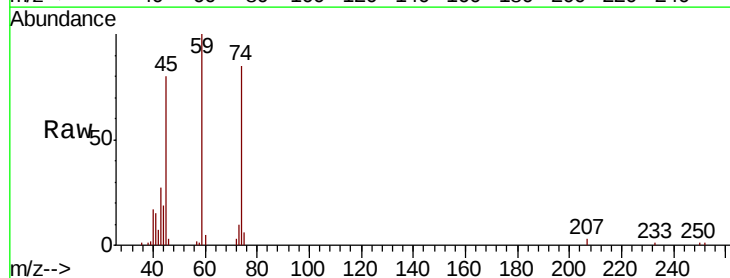
Tot Ion:101 Resp: 176920
Ion Ratio Lower Upper
101 100
103 66.6 52.5 78.7

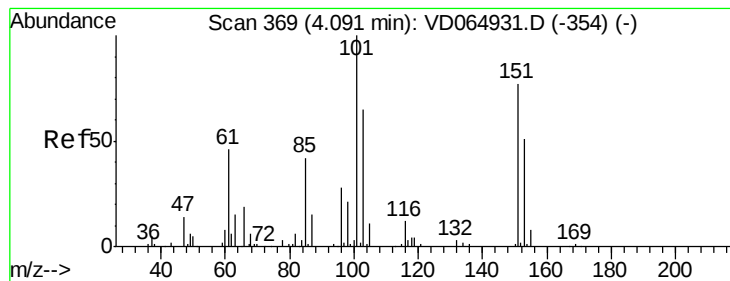


#8

Diethyl Ether
Concen: 20.682 ug/l
RT: 3.70 min Scan# 303
Delta R.T. -0.01 min
Lab File: VD064939.D
Acq: 24 Jan 2020 13:19

Tgt Ion: 74 Resp: 39181
Ion Ratio Lower Upper
74 100
45 100.5 48.5 145.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.977 ug/l

RT: 4.08 min Scan# 367

Delta R.T. -0.01 min

Lab File: VD064939.D

Acq: 24 Jan 2020 13:19

Instrument :

MSVOA_D

ClientSampleId :

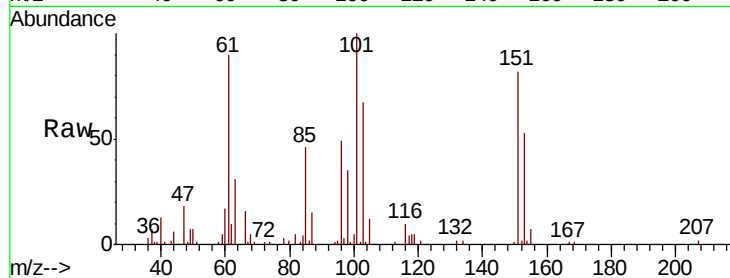
Tot Ion:101 Resp: 81900

Ion Ratio Lower Upper

101 100

85 45.3 35.0 52.4

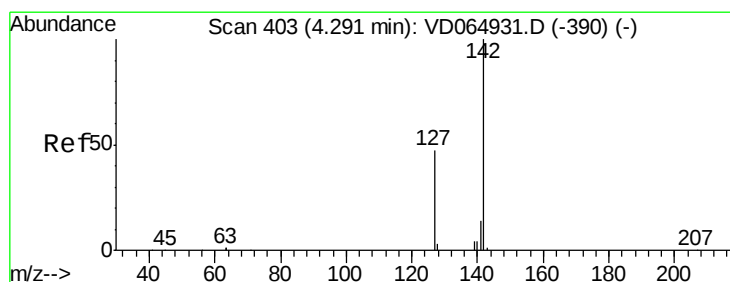
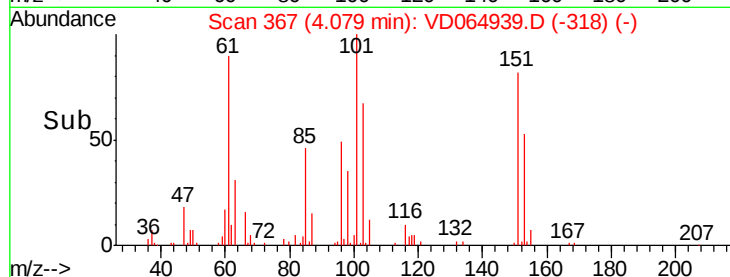
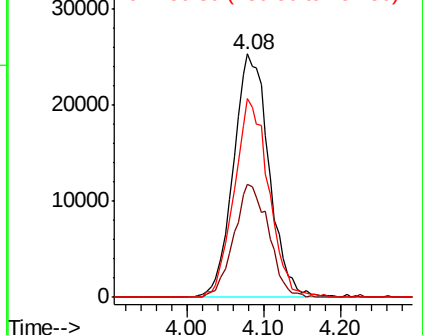
151 79.4 64.6 96.8



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: 19.991 ug/l

RT: 4.29 min Scan# 403

Delta R.T. -0.00 min

Lab File: VD064939.D

Acq: 24 Jan 2020 13:19

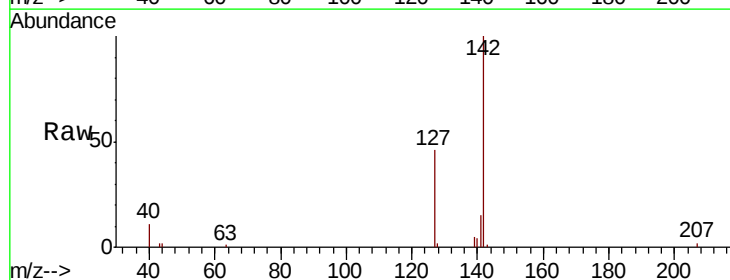
Tgt Ion:142 Resp: 82849

Ion Ratio Lower Upper

142 100

127 44.9 36.2 54.2

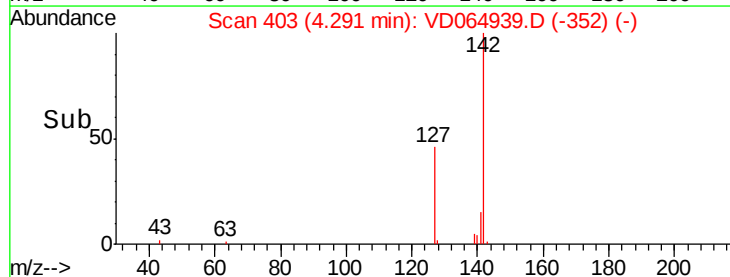
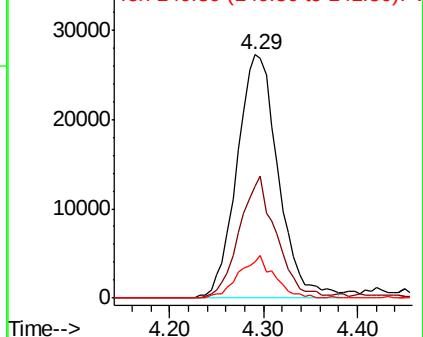
141 14.9 11.6 17.4

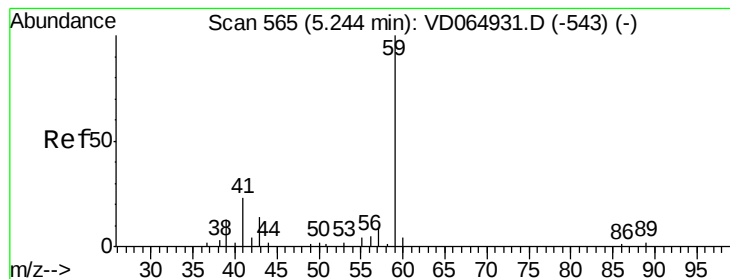


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



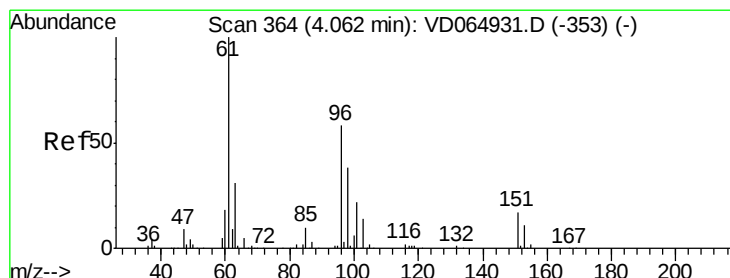
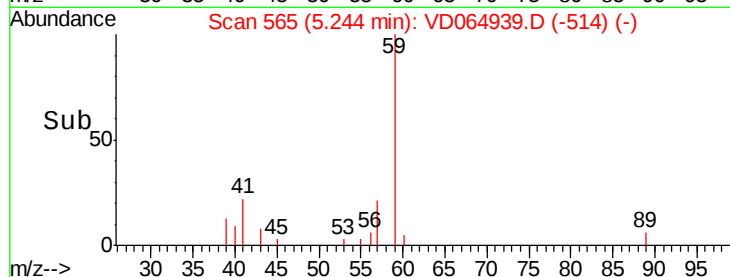
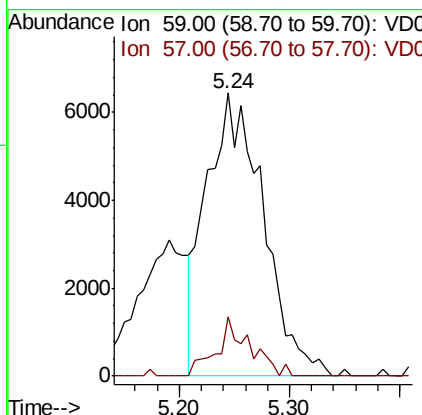
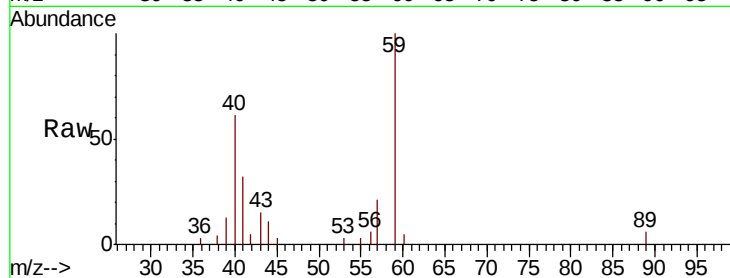


#11

Tert butyl alcohol
 Concen: 101.388 ug/l
 RT: 5.24 min Scan# 565
 Delta R.T. -0.00 min
 Lab File: VD064939.D
 Acq: 24 Jan 2020 13:19

Instrument :
 MSVOA_D
 ClientSampleId :

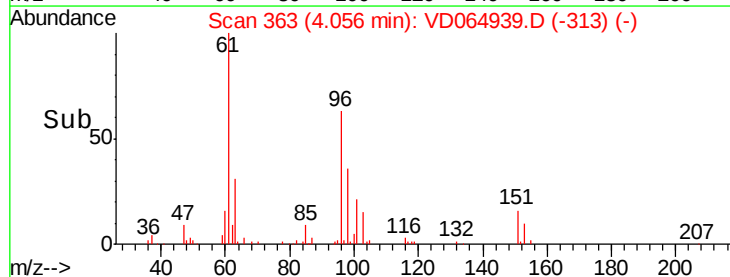
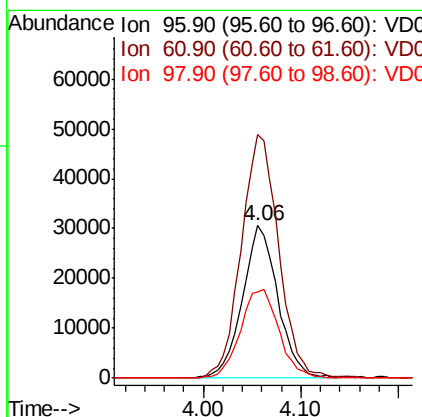
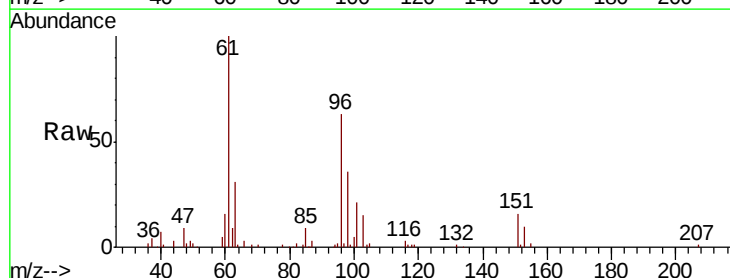
Tot Ion: 59 Resp: 23028
 Ion Ratio Lower Upper
 59 100
 57 12.3 7.7 11.5#

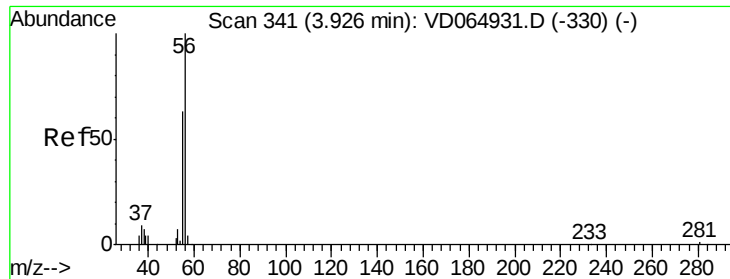


#12

1,1-Dichloroethene
 Concen: 20.768 ug/l
 RT: 4.06 min Scan# 363
 Delta R.T. -0.01 min
 Lab File: VD064939.D
 Acq: 24 Jan 2020 13:19

Tgt Ion: 96 Resp: 77462
 Ion Ratio Lower Upper
 96 100
 61 159.8 137.0 205.4
 98 56.9 52.1 78.1





#13

Acrolein

Concen: 102.912 ug/l

RT: 3.93 min Scan# 342

Delta R.T. 0.01 min

Lab File: VD064939.D

Acq: 24 Jan 2020 13:19

Instrument :

MSVOA_D

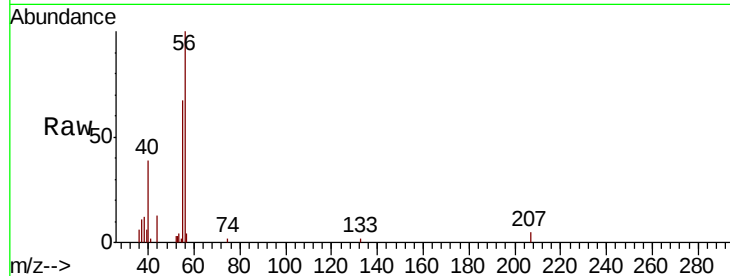
ClientSampleId :

Tot Ion: 56 Resp: 29302

Ion Ratio Lower Upper

56 100

55 71.7 59.7 89.5



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

12000

10000

8000

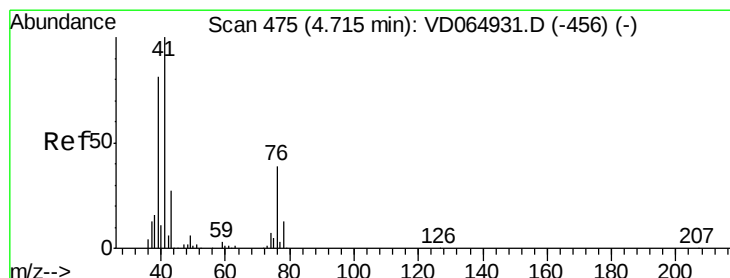
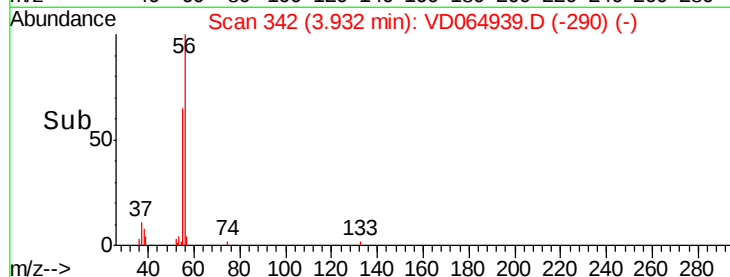
6000

4000

2000

0

Time--> 3.85 3.90 3.95 4.00



#14

Allyl chloride

Concen: 21.083 ug/l

RT: 4.71 min Scan# 474

Delta R.T. -0.01 min

Lab File: VD064939.D

Acq: 24 Jan 2020 13:19

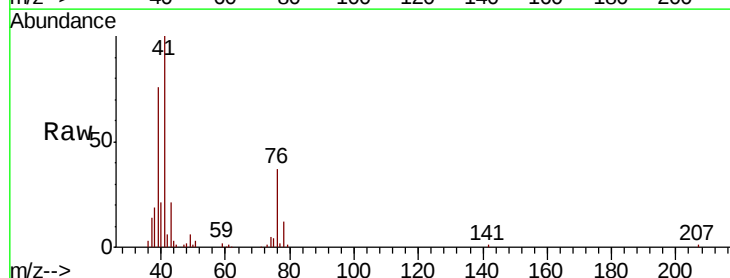
Tgt Ion: 41 Resp: 125422

Ion Ratio Lower Upper

41 100

39 77.8 62.0 93.0

76 36.5 29.3 43.9



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

50000

40000

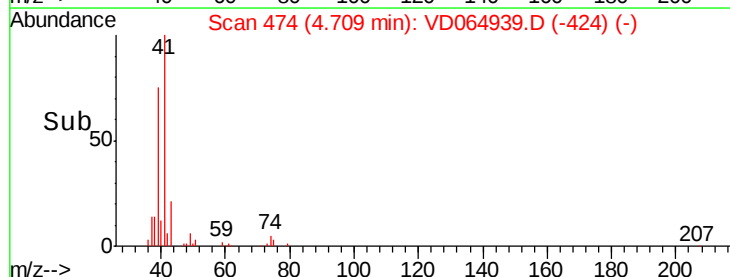
30000

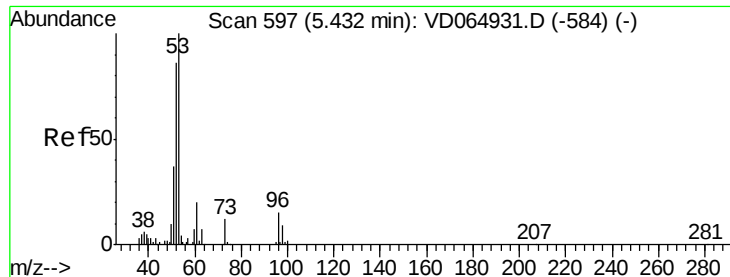
20000

10000

0

Time--> 4.50 4.60 4.70 4.80





#15

Acrylonitrile

Concen: 104.084 ug/l

RT: 5.43 min Scan# 597

Delta R.T. -0.00 min

Lab File: VD064939.D

Acq: 24 Jan 2020 13:19

Instrument :

MSVOA_D

ClientSampled :

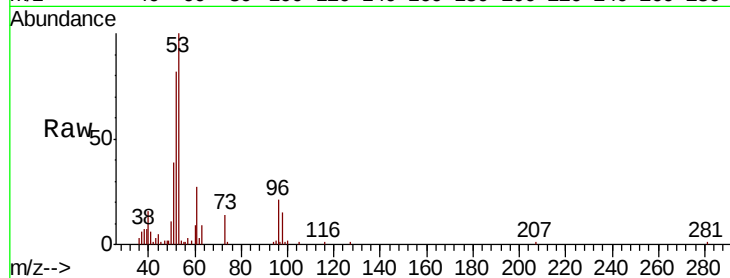
Tot Ion: 53 Resp: 85390

Ion Ratio Lower Upper

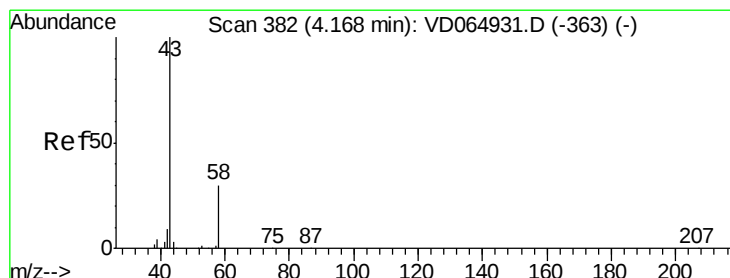
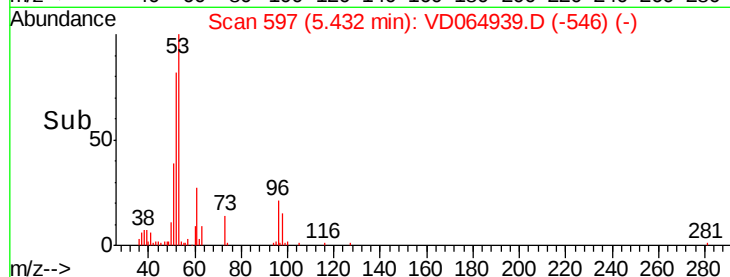
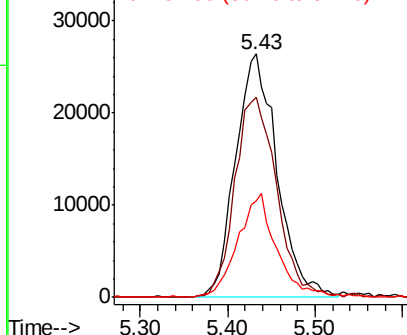
53 100

52 82.6 66.7 100.1

51 39.6 31.1 46.7



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: 84.168 ug/l

RT: 4.17 min Scan# 382

Delta R.T. 0.00 min

Lab File: VD064939.D

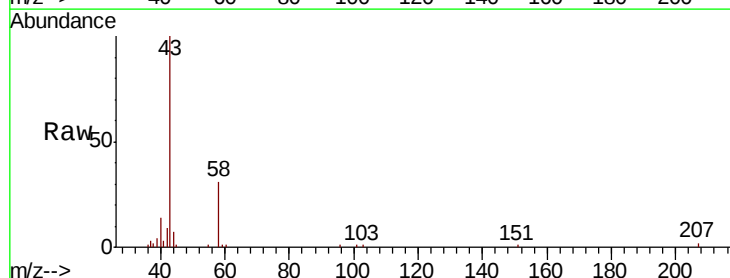
Acq: 24 Jan 2020 13:19

Tgt Ion: 43 Resp: 81751

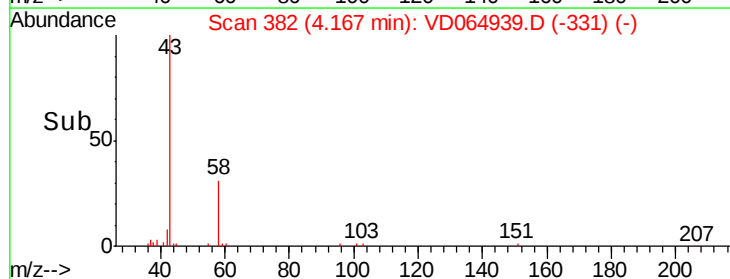
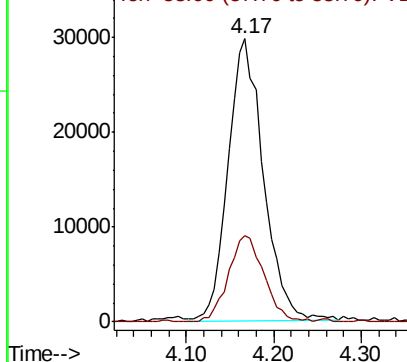
Ion Ratio Lower Upper

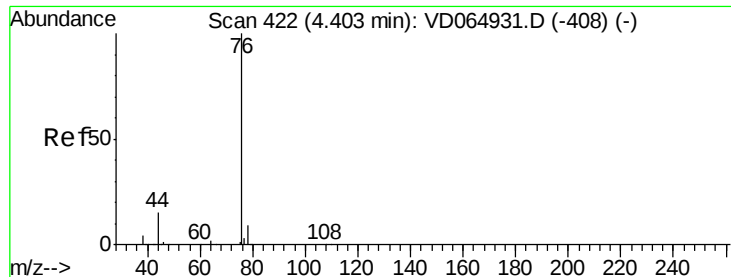
43 100

58 30.8 23.8 35.8



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

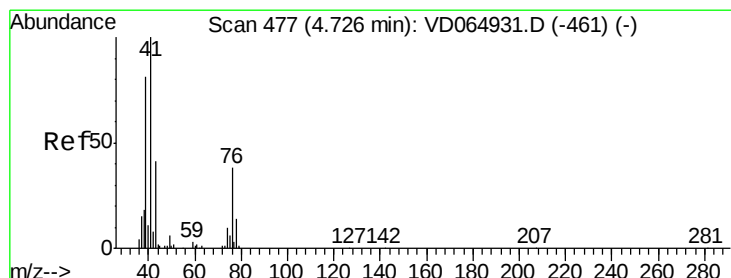
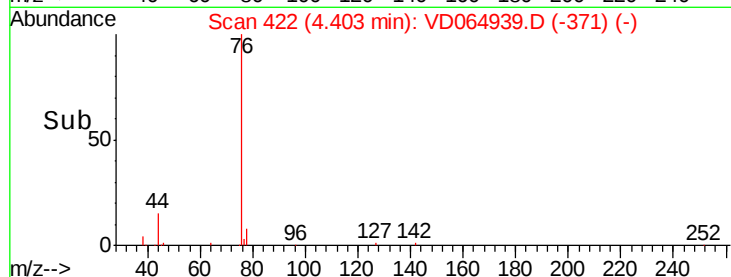
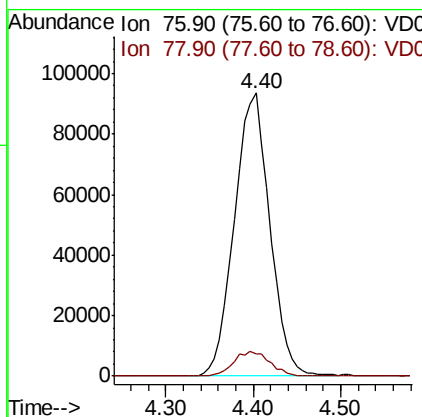
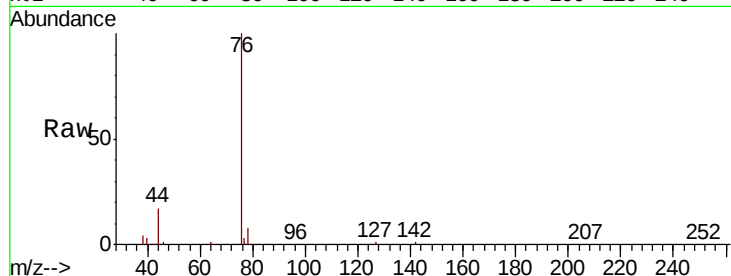




#17
Carbon Disulfide
Concen: 20.938 ug/l
RT: 4.40 min Scan# 422
Delta R.T. -0.00 min
Lab File: VD064939.D
Acq: 24 Jan 2020 13:19

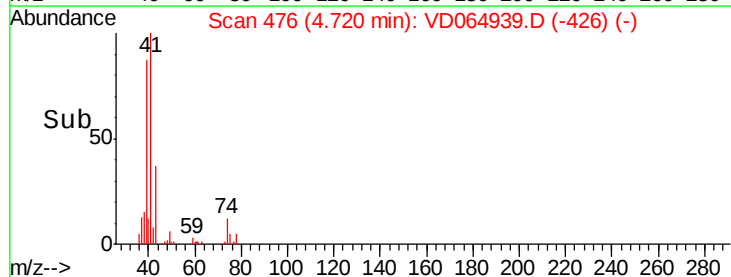
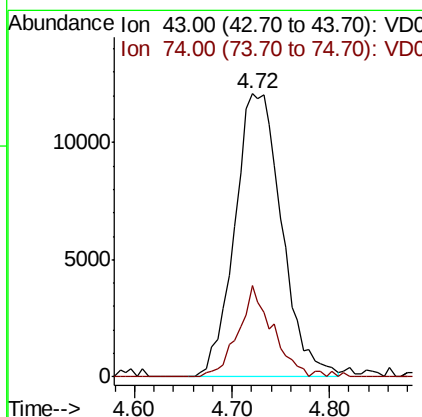
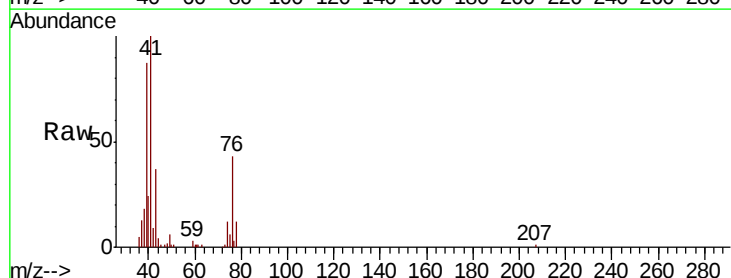
Instrument :
MSVOA_D
ClientSampleId :

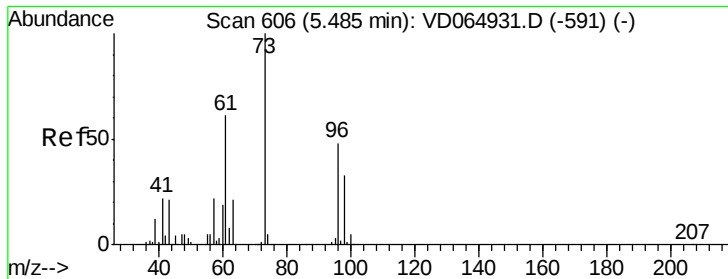
Tot Ion: 76 Resp: 257021
Ion Ratio Lower Upper
76 100
78 8.1 7.1 10.7



#18
Methyl Acetate
Concen: 21.131 ug/l
RT: 4.72 min Scan# 476
Delta R.T. -0.01 min
Lab File: VD064939.D
Acq: 24 Jan 2020 13:19

Tgt Ion: 43 Resp: 40677
Ion Ratio Lower Upper
43 100
74 23.4 19.1 28.7

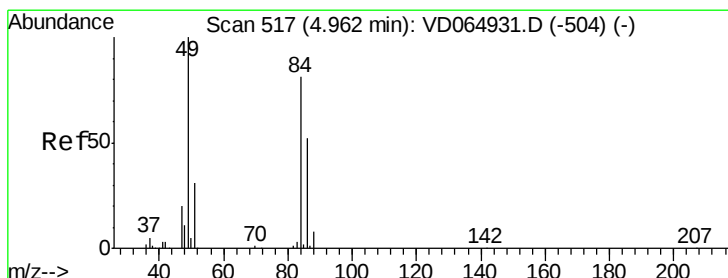
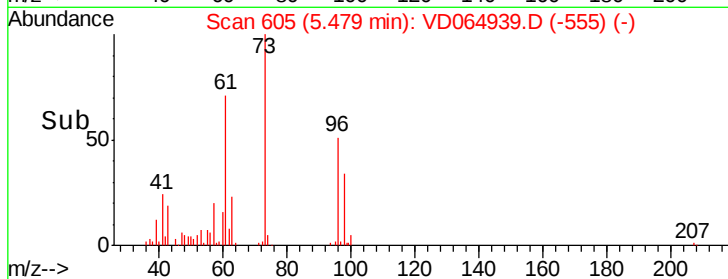
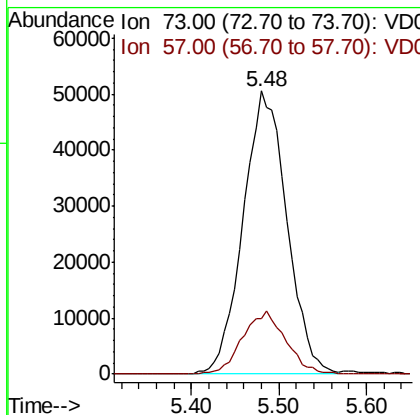
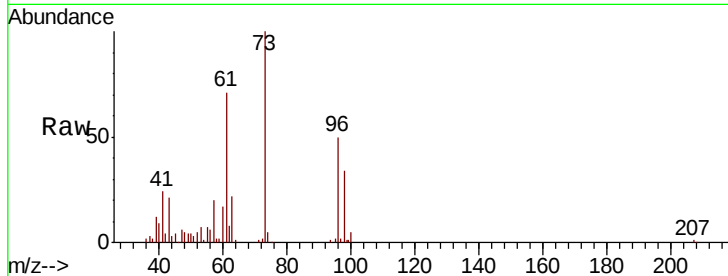




#19
Methyl tert-butyl Ether
Concen: 20.721 ug/l
RT: 5.48 min Scan# 605
Delta R.T. -0.01 min
Lab File: VD064939.D
Acq: 24 Jan 2020 13:19

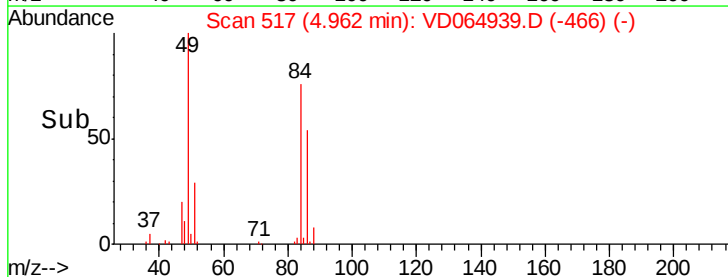
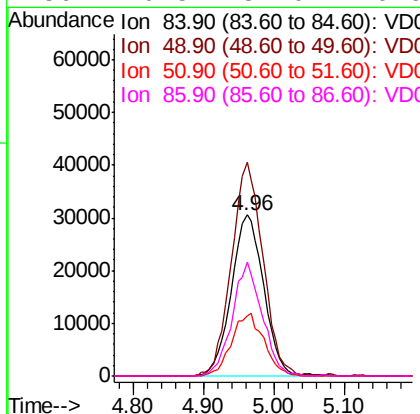
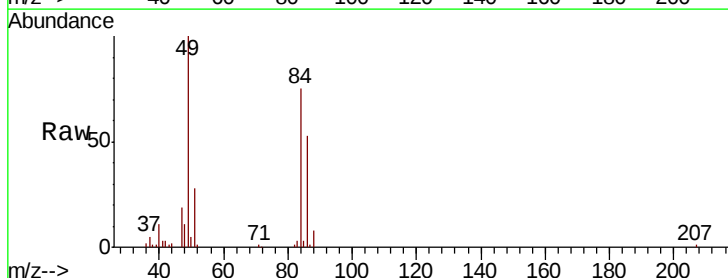
Instrument :
MSVOA_D
ClientSampleID :

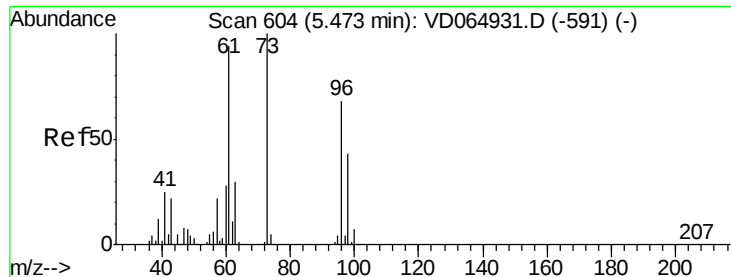
Tot Ion: 73 Resp: 172691
Ion Ratio Lower Upper
73 100
57 19.6 17.9 26.9



#20
Methylene Chloride
Concen: 20.630 ug/l
RT: 4.96 min Scan# 517
Delta R.T. 0.00 min
Lab File: VD064939.D
Acq: 24 Jan 2020 13:19

Tgt Ion: 84 Resp: 97475
Ion Ratio Lower Upper
84 100
49 132.9 98.4 147.6
51 37.8 30.8 46.2
86 70.5 51.0 76.6





#21

trans-1,2-Dichloroethene

Concen: 21.154 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD064939.D

Acq: 24 Jan 2020 13:19

Instrument :

MSVOA_D

ClientSampleId :

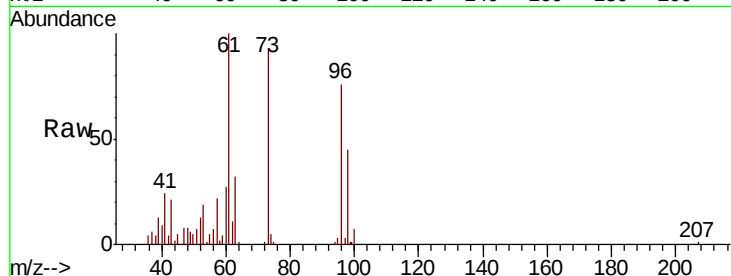
Tot Ion: 96 Resp: 90904

Ion Ratio Lower Upper

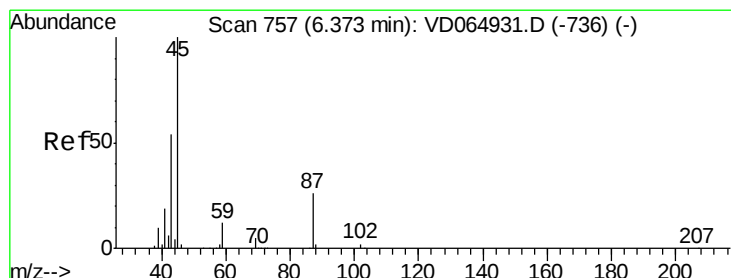
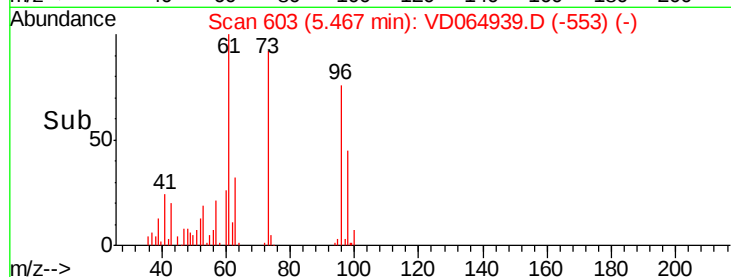
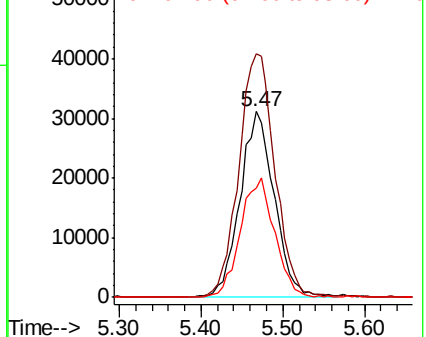
96 100

61 130.9 110.4 165.6

98 58.9 50.5 75.7



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: 21.188 ug/l

RT: 6.37 min Scan# 757

Delta R.T. -0.00 min

Lab File: VD064939.D

Acq: 24 Jan 2020 13:19

Tgt Ion: 45 Resp: 251197

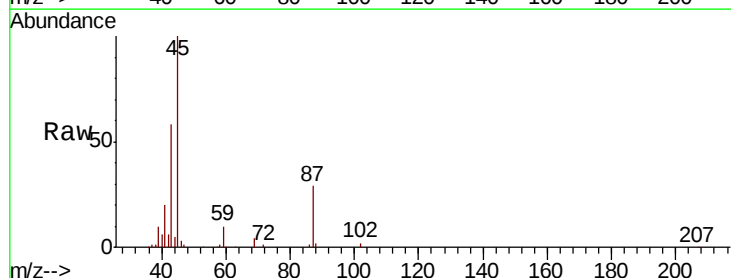
Ion Ratio Lower Upper

45 100

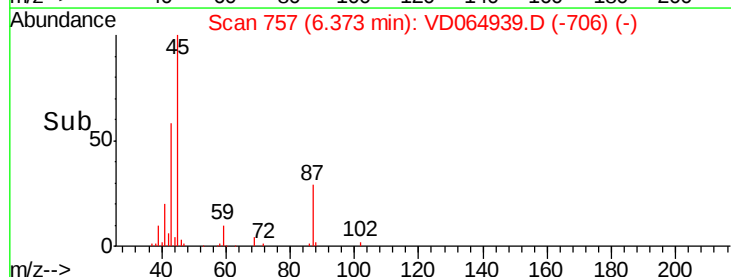
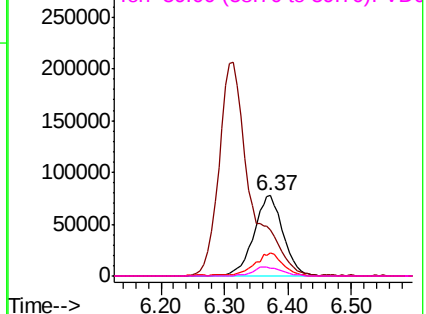
43 57.1 43.1 64.7

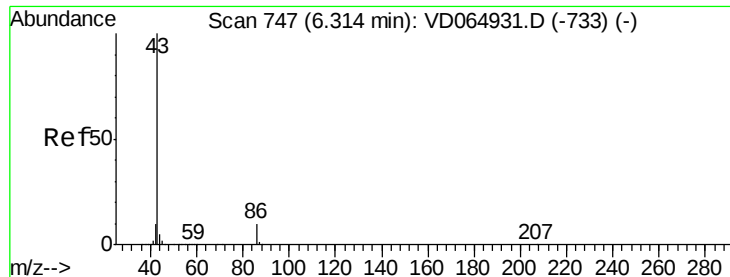
87 28.9 21.4 32.2

59 10.1 9.5 14.3



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: 101.429 ug/l

RT: 6.31 min Scan# 747

Delta R.T. -0.00 min

Lab File: VD064939.D

Acq: 24 Jan 2020 13:19

Instrument :

MSVOA_D

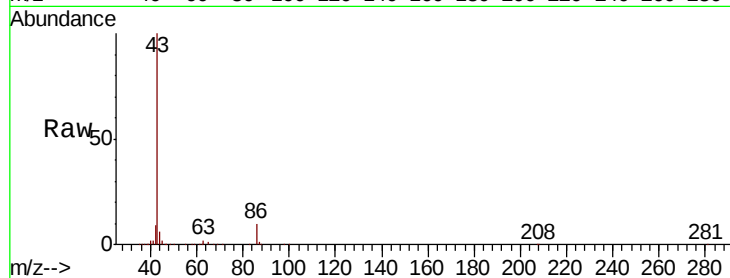
ClientSampleId :

Tot Ion: 43 Resp: 704045

Ion Ratio Lower Upper

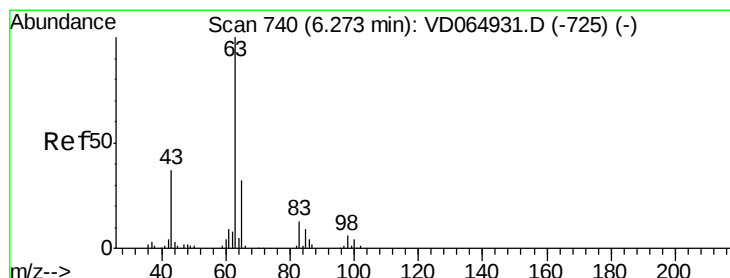
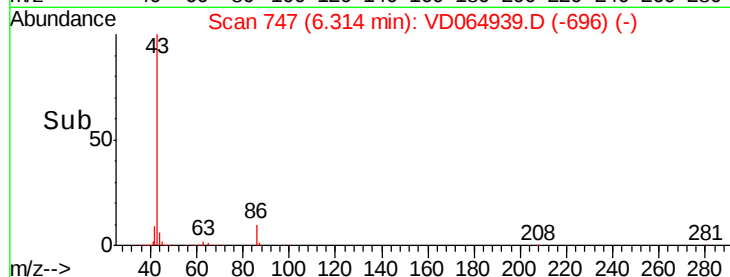
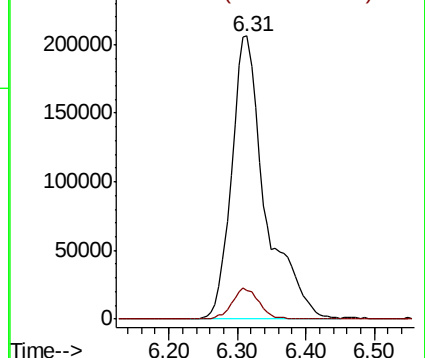
43 100

86 10.3 8.3 12.5



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 21.360 ug/l

RT: 6.26 min Scan# 738

Delta R.T. -0.01 min

Lab File: VD064939.D

Acq: 24 Jan 2020 13:19

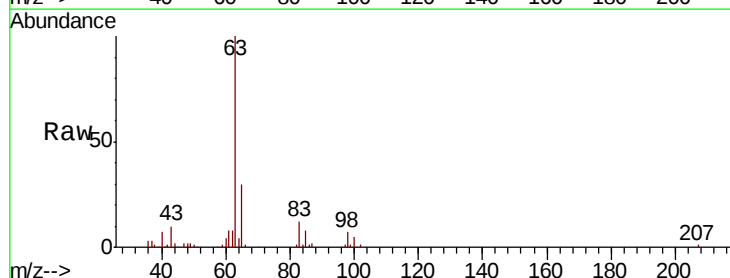
Tgt Ion: 63 Resp: 155478

Ion Ratio Lower Upper

63 100

98 7.1 3.1 9.3

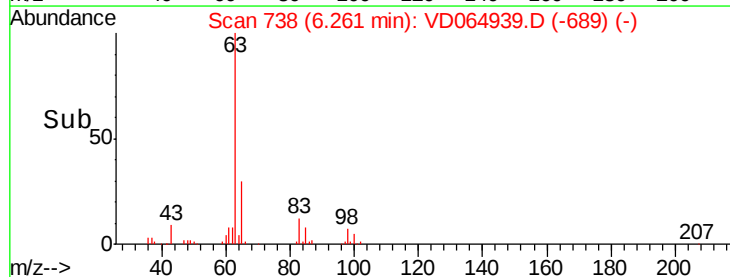
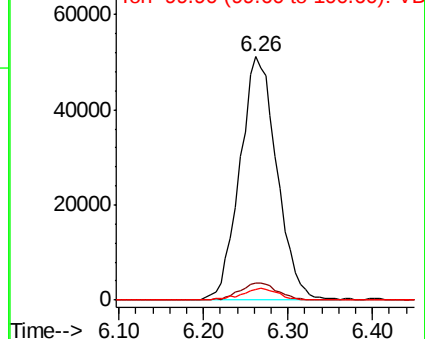
100 4.6 2.3 6.8

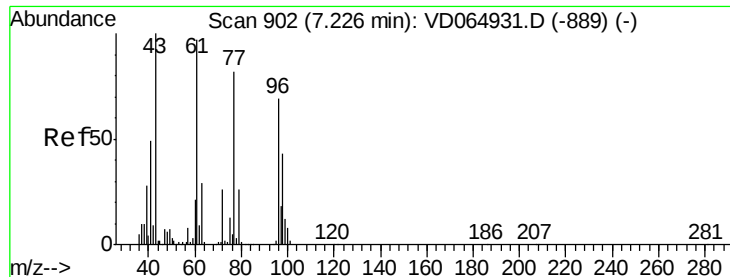


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 97.068 ug/l

RT: 7.22 min Scan# 901

Delta R.T. -0.01 min

Lab File: VD064939.D

Acq: 24 Jan 2020 13:19

Instrument :

MSVOA_D

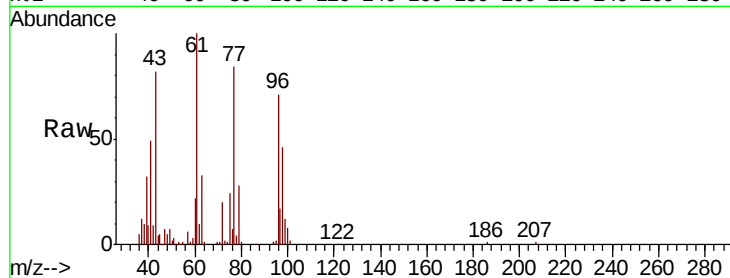
ClientSampleId :

Tot Ion: 43 Resp: 107785

Ion Ratio Lower Upper

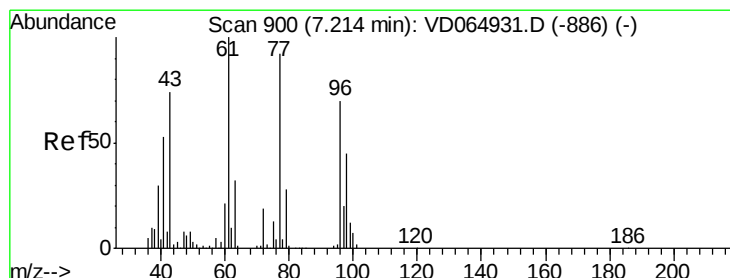
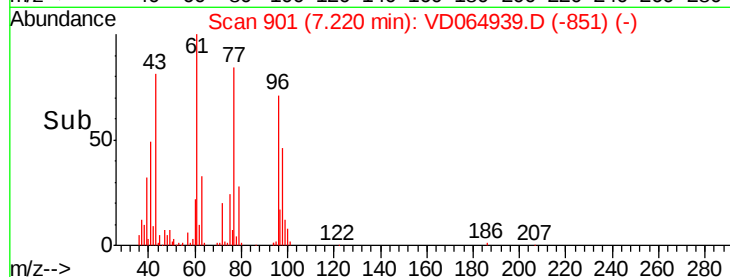
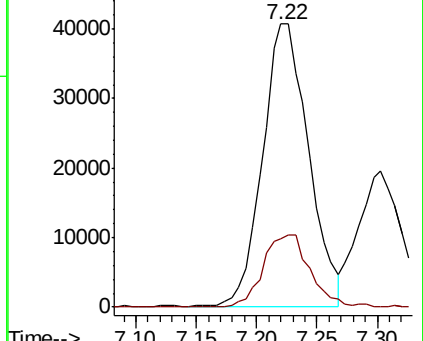
43 100

72 24.0 20.6 31.0



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 20.679 ug/l

RT: 7.21 min Scan# 900

Delta R.T. -0.00 min

Lab File: VD064939.D

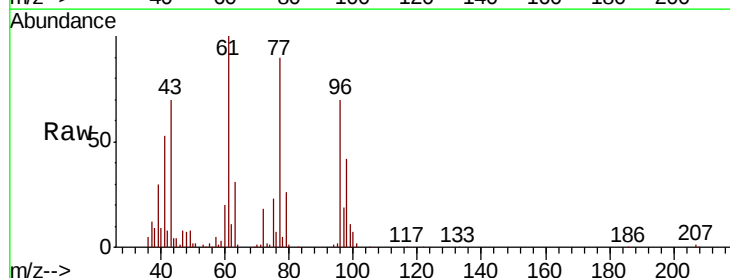
Acq: 24 Jan 2020 13:19

Tgt Ion: 77 Resp: 136531

Ion Ratio Lower Upper

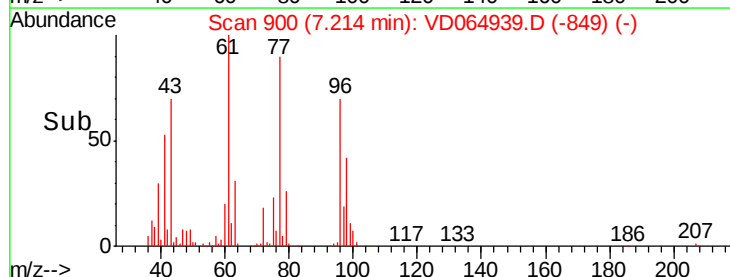
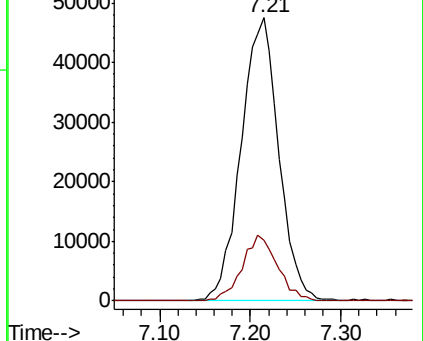
77 100

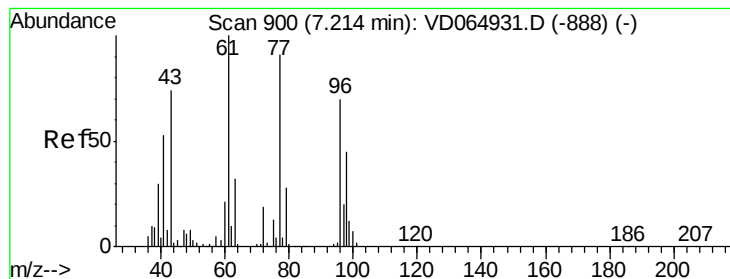
97 21.7 11.4 34.2



Abundance Ion 76.90 (76.60 to 77.60): VDC

Ion 96.90 (96.60 to 97.60): VDC



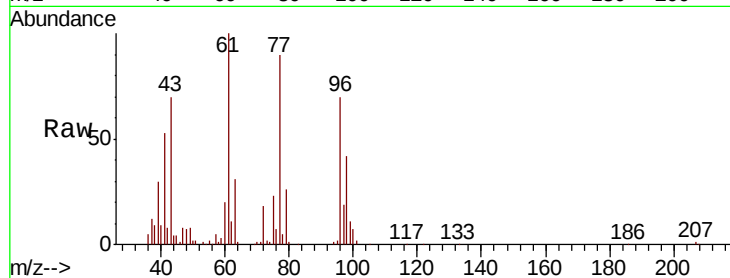


#27

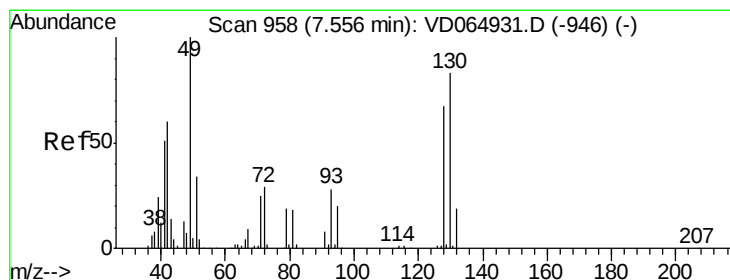
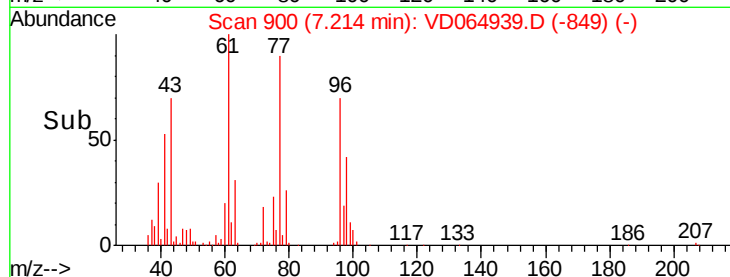
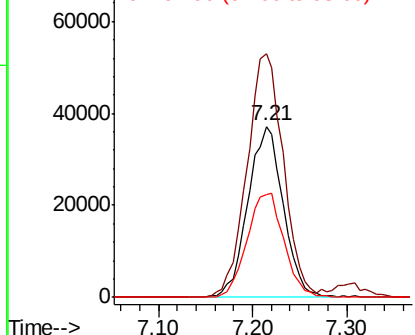
cis-1,2-Dichloroethene
 Concen: 21.079 ug/l
 RT: 7.21 min Scan# 900
 Delta R.T. -0.00 min
 Lab File: VD064939.D
 Acq: 24 Jan 2020 13:19

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion: 96 Resp: 96683
 Ion Ratio Lower Upper
 96 100
 61 146.5 0.0 292.8
 98 63.7 0.0 130.0



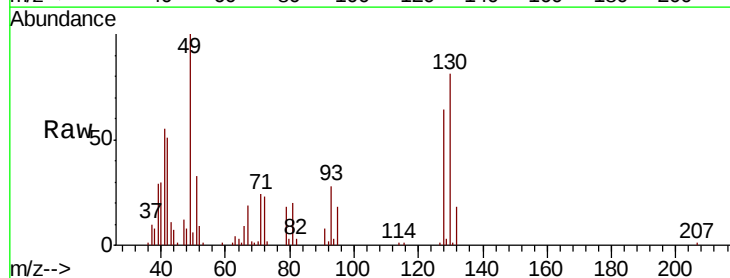
Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.90 (60.60 to 61.60): VDC
 Ion 97.90 (97.60 to 98.60): VDC



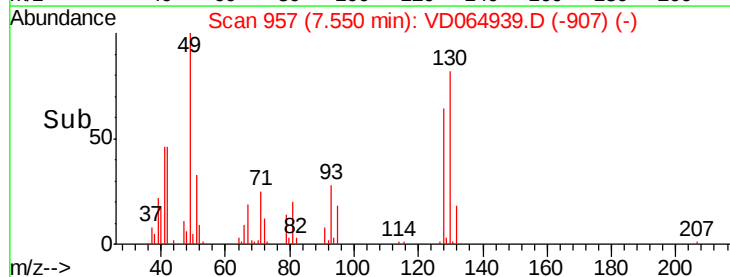
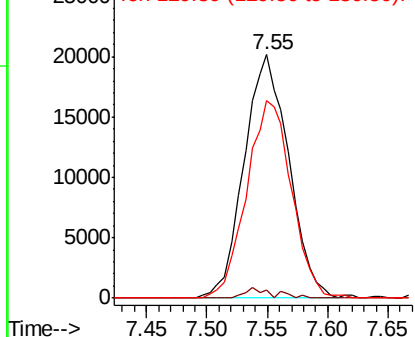
#28

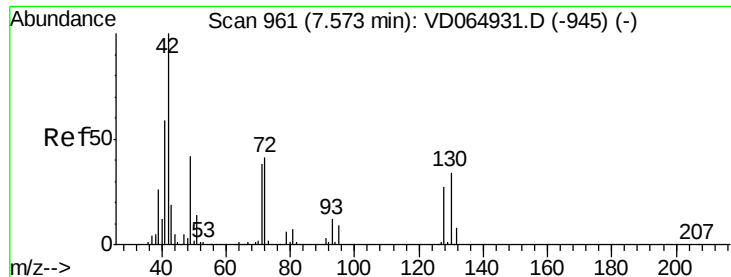
Bromochloromethane
 Concen: 17.740 ug/l
 RT: 7.55 min Scan# 957
 Delta R.T. -0.01 min
 Lab File: VD064939.D
 Acq: 24 Jan 2020 13:19

Tgt Ion: 49 Resp: 51642
 Ion Ratio Lower Upper
 49 100
 129 1.9 0.0 4.4
 130 81.6 63.8 95.8



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

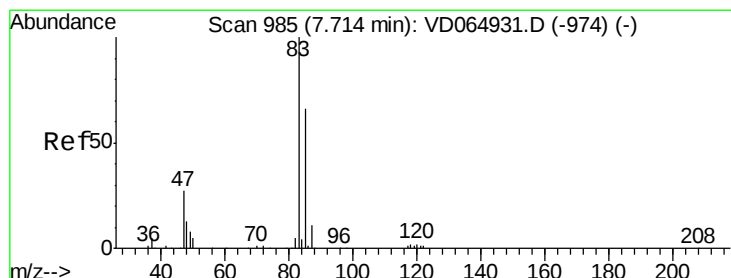
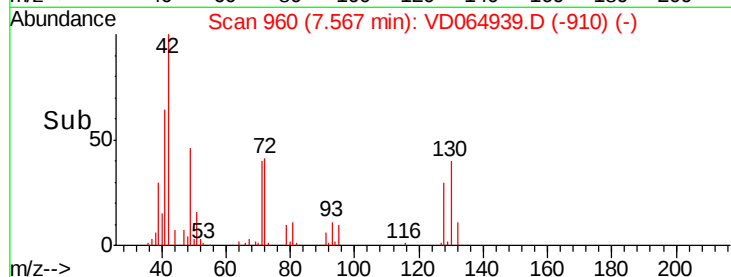
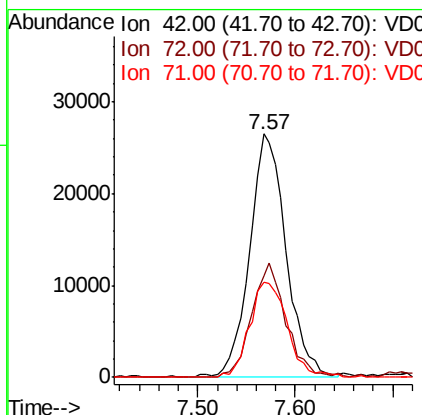
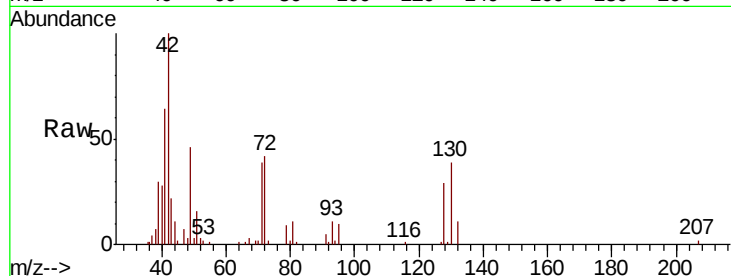




#29
Tetrahydrofuran
Concen: 101.164 ug/l
RT: 7.57 min Scan# 960
Delta R.T. -0.01 min
Lab File: VD064939.D
Acq: 24 Jan 2020 13:19

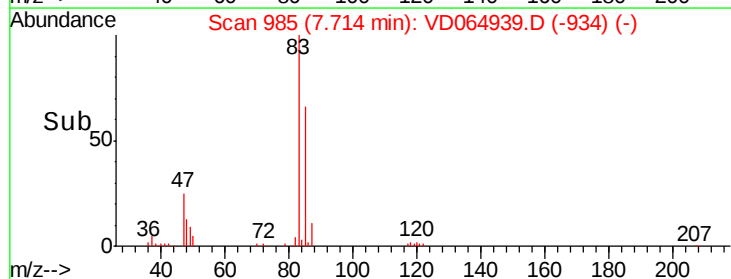
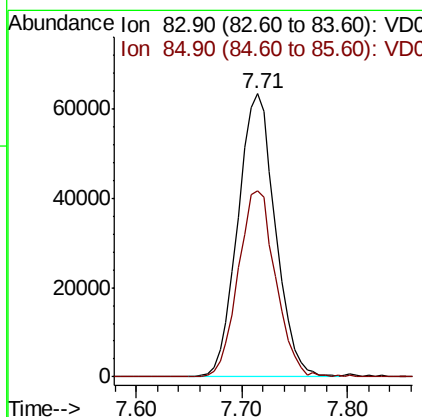
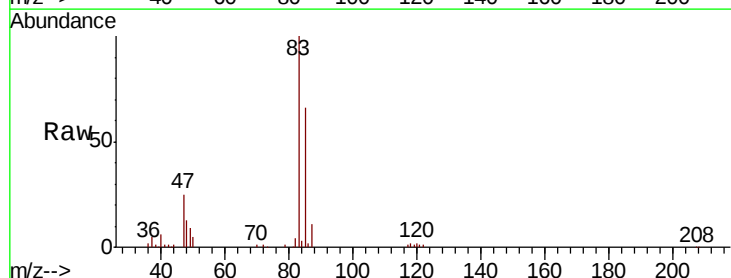
Instrument :
MSVOA_D
ClientSampled :

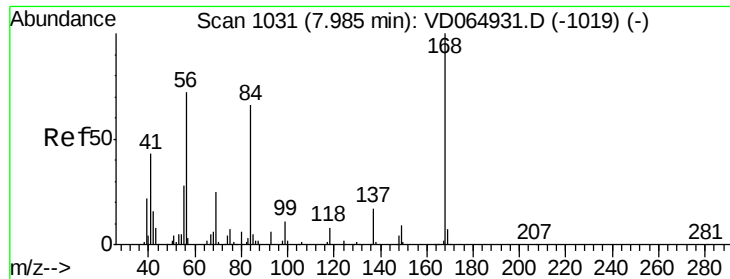
Tot Ion: 42 Resp: 69310
Ion Ratio Lower Upper
42 100
72 44.0 34.0 51.0
71 40.5 31.5 47.3



#30
Chloroform
Concen: 20.727 ug/l
RT: 7.71 min Scan# 985
Delta R.T. -0.00 min
Lab File: VD064939.D
Acq: 24 Jan 2020 13:19

Tgt Ion: 83 Resp: 155958
Ion Ratio Lower Upper
83 100
85 65.8 52.4 78.6

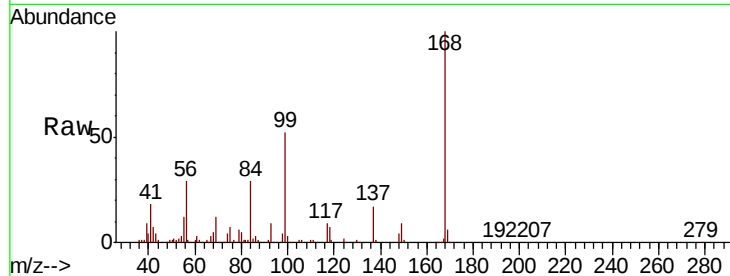




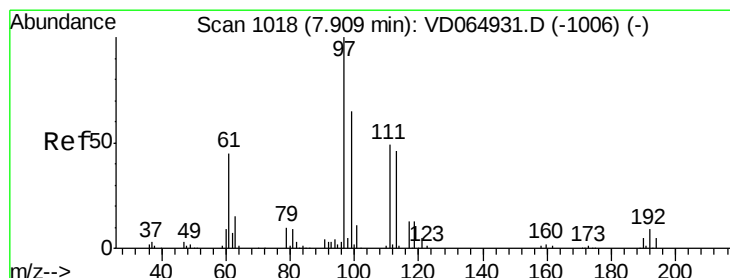
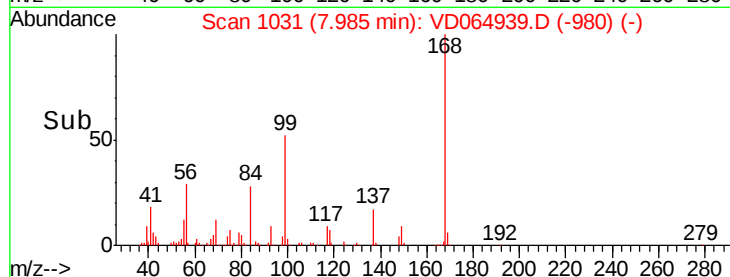
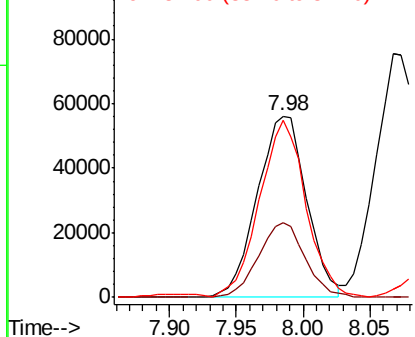
#31
Cyclohexane
Concen: 20.111 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.00 min
Lab File: VD064939.D
Acq: 24 Jan 2020 13:19

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 56 Resp: 144012
Ion Ratio Lower Upper
56 100
69 41.4 27.9 41.9
84 96.2 72.8 109.2

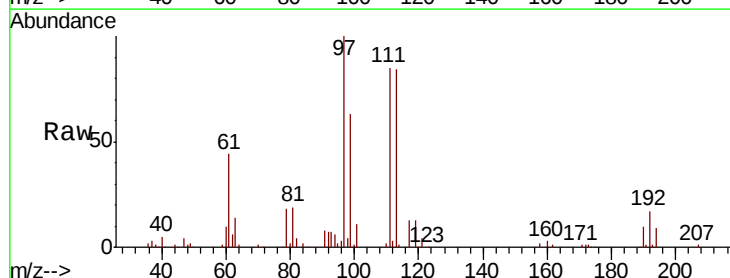


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

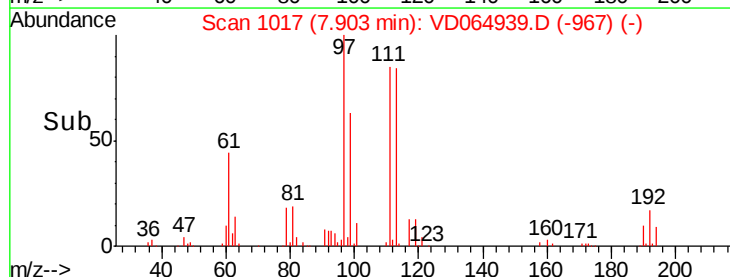
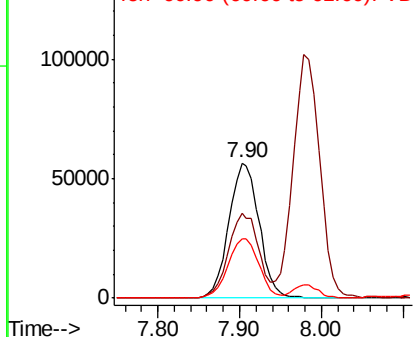


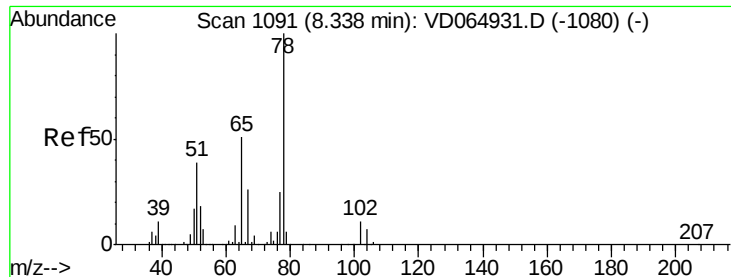
#32
1,1,1-Trichloroethane
Concen: 20.794 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. -0.01 min
Lab File: VD064939.D
Acq: 24 Jan 2020 13:19

Tgt Ion: 97 Resp: 145557
Ion Ratio Lower Upper
97 100
99 62.3 50.6 76.0
61 44.9 35.7 53.5



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





#33

1,2-Dichloroethane-d4

Concen: 52.062 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. -0.01 min

Lab File: VD064939.D

Acq: 24 Jan 2020 13:19

Instrument :

MSVOA_D

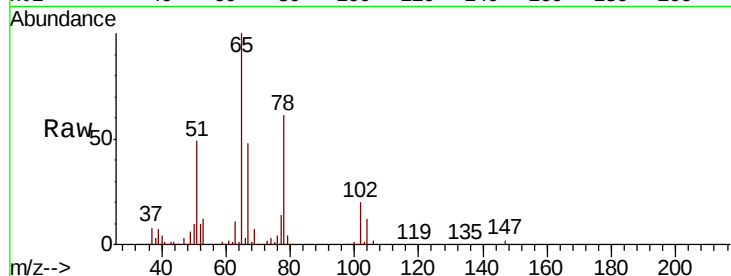
ClientSampleId :

Tot Ion: 65 Resp: 213981

Ion Ratio Lower Upper

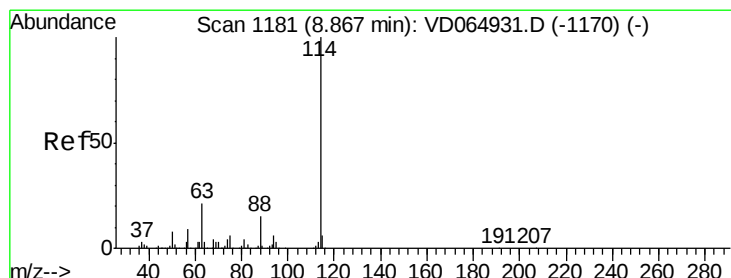
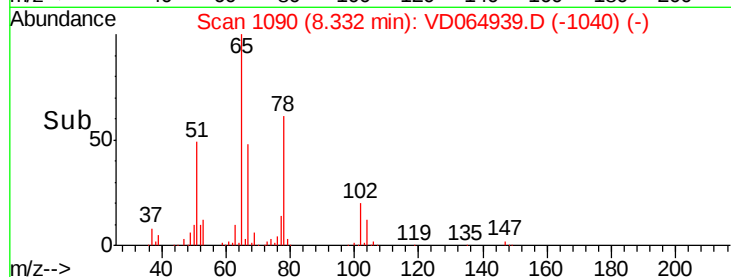
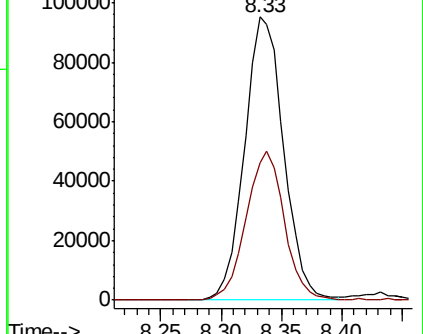
65 100

67 51.5 0.0 103.6



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. -0.00 min

Lab File: VD064939.D

Acq: 24 Jan 2020 13:19

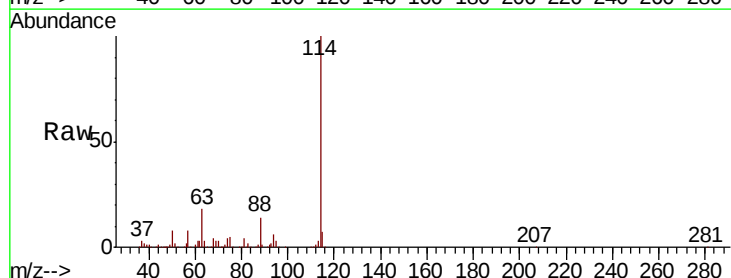
Tgt Ion: 114 Resp: 649456

Ion Ratio Lower Upper

114 100

63 18.3 0.0 42.0

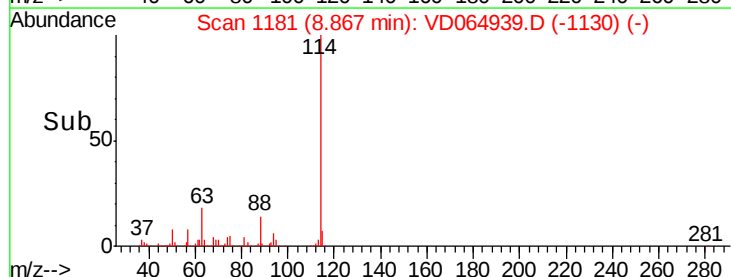
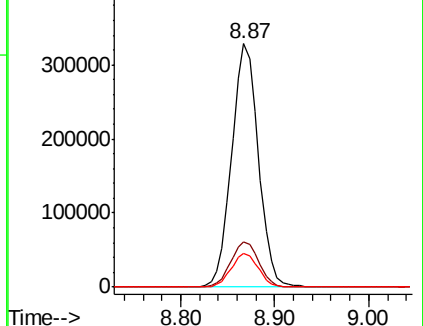
88 14.1 0.0 29.4



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

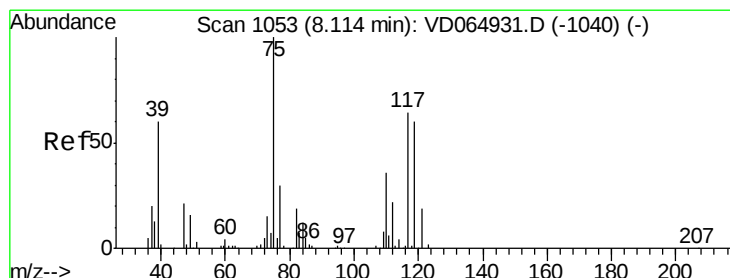
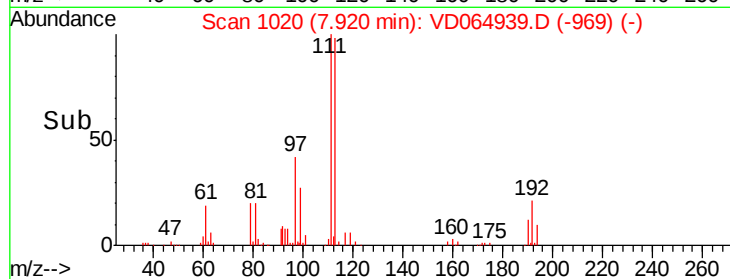
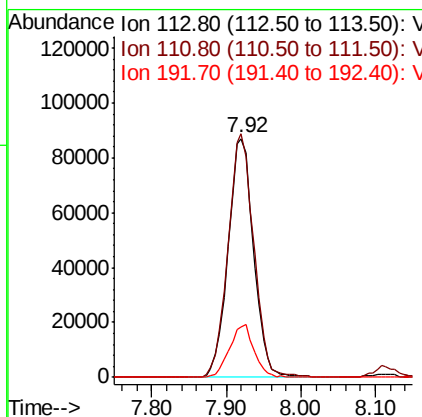
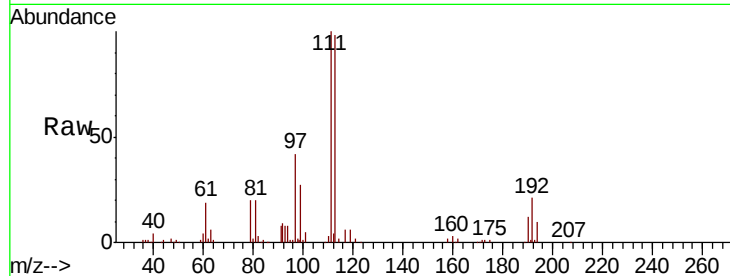




#35
 Dibromofluoromethane
 Concen: 50.875 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. -0.00 min
 Lab File: VD064939.D
 Acq: 24 Jan 2020 13:19

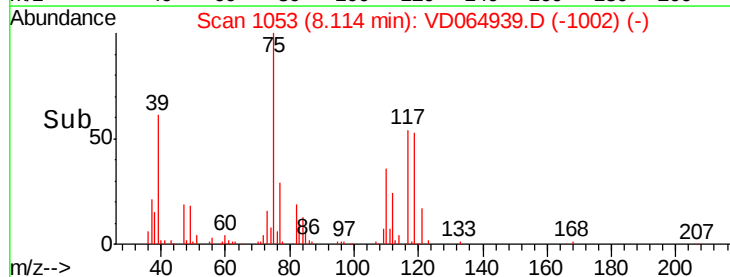
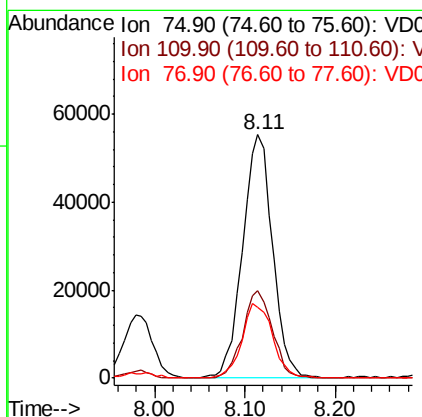
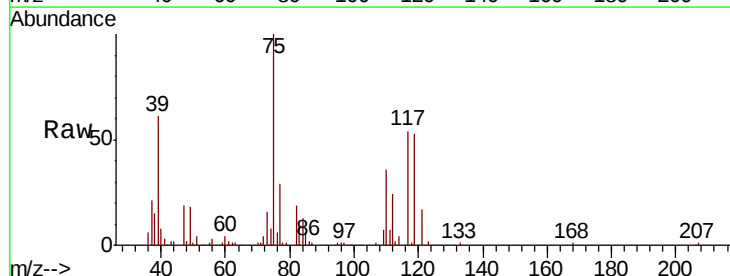
Instrument :
 MSVOA_D
 ClientSampleId :

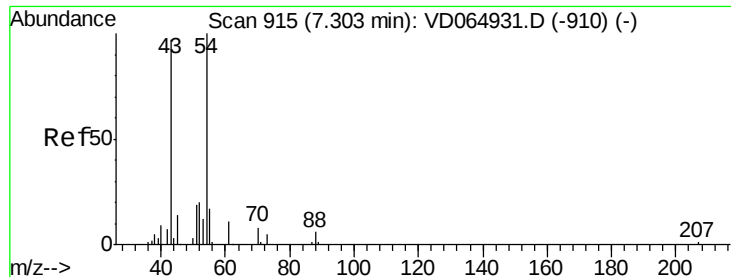
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.6	82.4	123.6
192	21.2	16.9	25.3



#36
 1,1-Dichloropropene
 Concen: 20.281 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. -0.00 min
 Lab File: VD064939.D
 Acq: 24 Jan 2020 13:19

Tgt Ion	Ratio	Lower	Upper
75	100		
110	35.2	17.3	52.0
77	31.3	24.7	37.1

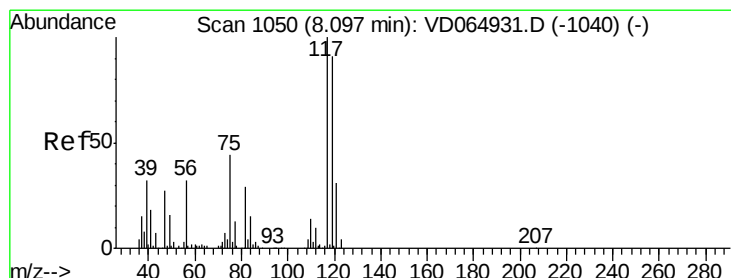
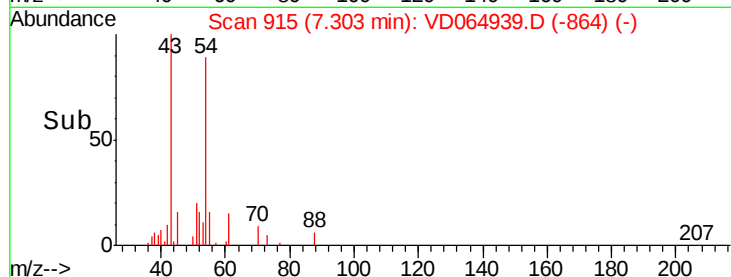
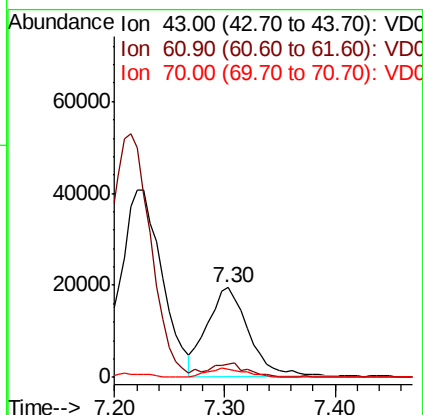
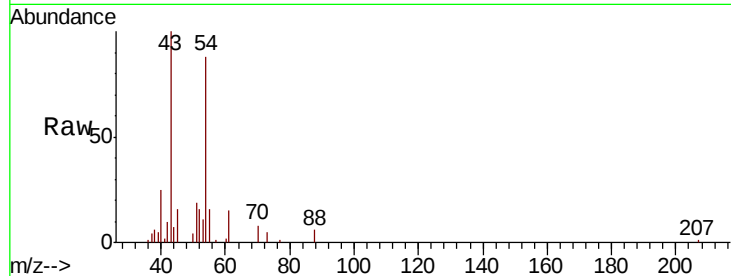




#37
Ethyl Acetate
Concen: 19.381 ug/l
RT: 7.30 min Scan# 915
Delta R.T. -0.00 min
Lab File: VD064939.D
Acq: 24 Jan 2020 13:19

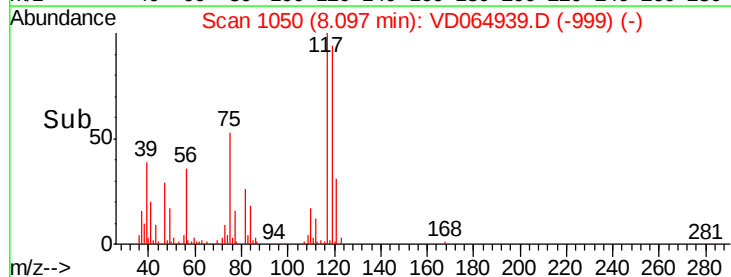
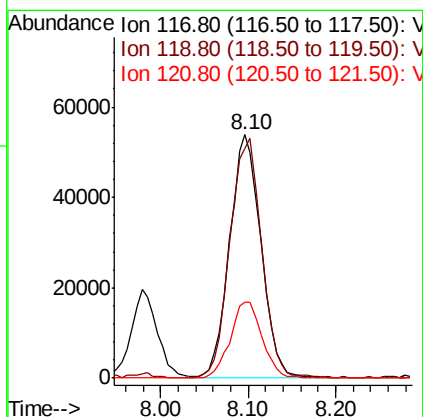
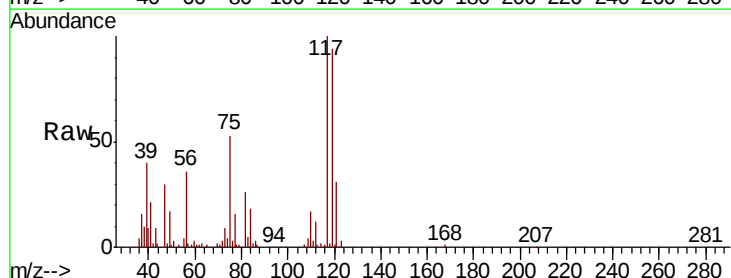
Instrument :
MSVOA_D
ClientSampleId :

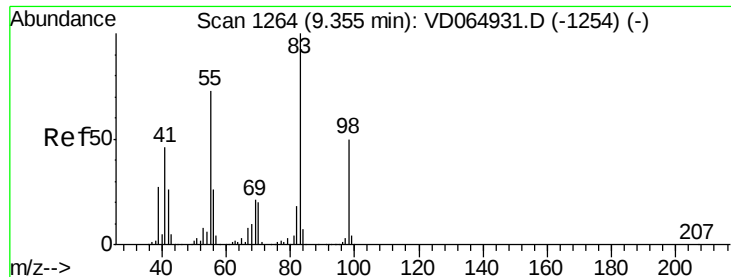
Tot Ion: 43 Resp: 50135
Ion Ratio Lower Upper
43 100
61 13.4 11.0 16.4
70 9.5 7.5 11.3



#38
Carbon Tetrachloride
Concen: 19.881 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VD064939.D
Acq: 24 Jan 2020 13:19

Tgt Ion: 117 Resp: 131600
Ion Ratio Lower Upper
117 100
119 94.3 73.2 109.8
121 31.2 24.4 36.6

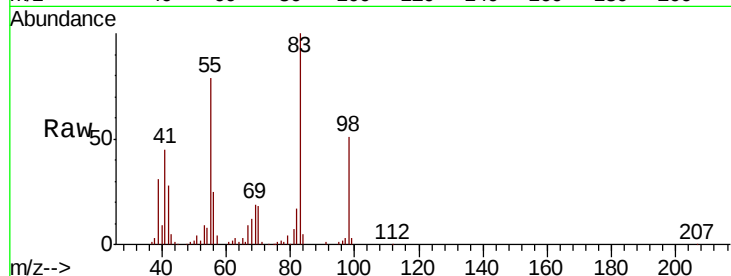




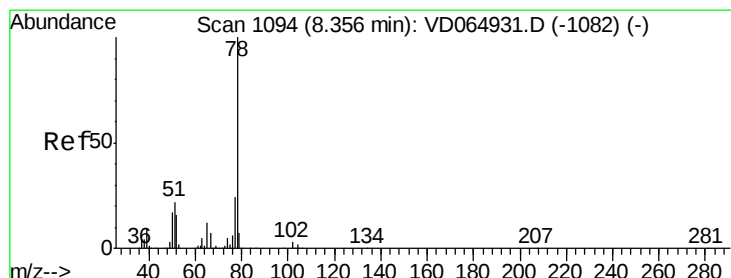
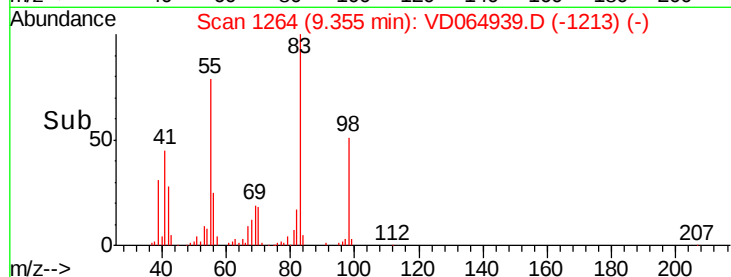
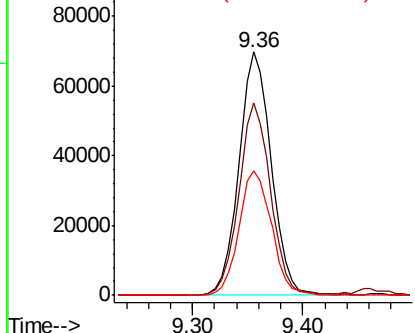
#39
Methvlcvclohexane
Concen: 19.667 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VD064939.D
Acq: 24 Jan 2020 13:19

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 83 Resp: 143999
Ion Ratio Lower Upper
83 100
55 79.0 58.7 88.1
98 51.4 40.2 60.2

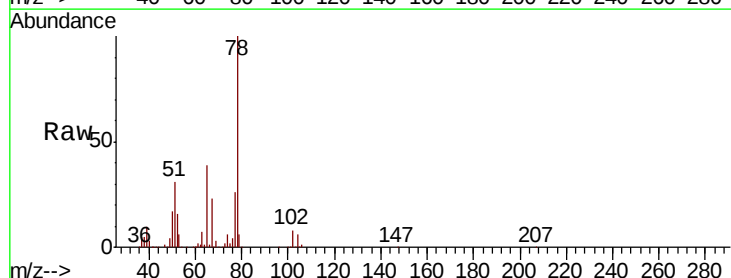


Abundance Ion 83.00 (82.70 to 83.70): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.00 (97.70 to 98.70): VDC

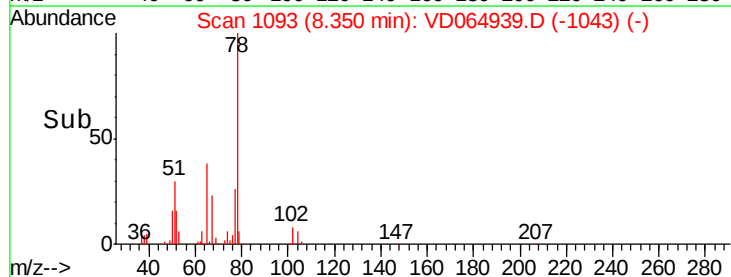
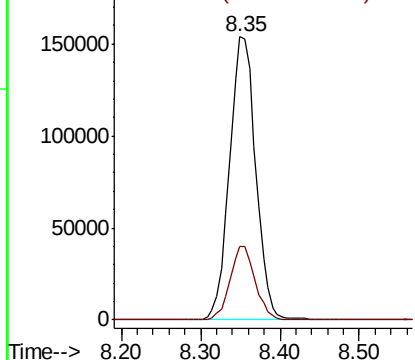


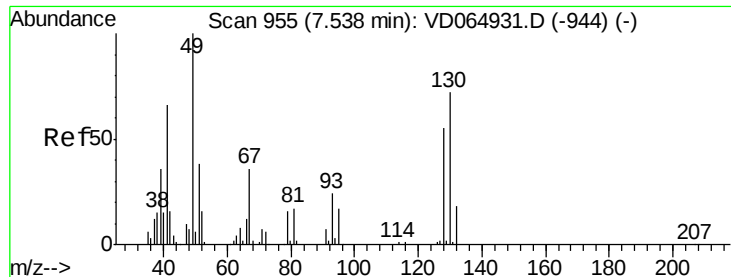
#40
Benzene
Concen: 20.462 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. -0.01 min
Lab File: VD064939.D
Acq: 24 Jan 2020 13:19

Tgt Ion: 78 Resp: 352931
Ion Ratio Lower Upper
78 100
77 25.8 19.2 28.8



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





#41

Methacrylonitrile

Concen: 19.957 ug/l

RT: 7.53 min Scan# 954

Delta R.T. -0.01 min

Lab File: VD064939.D

Acq: 24 Jan 2020 13:19

Instrument :

MSVOA_D

ClientSampled :

Tot Ion: 41 Resp: 27810

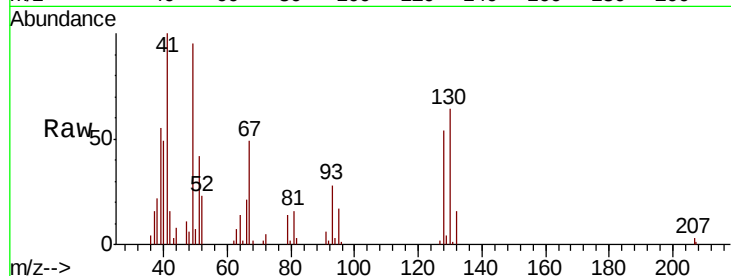
Ion Ratio Lower Upper

41 100

39 63.5 49.3 73.9

67 68.3 51.0 76.6

52 33.4 22.3 33.5

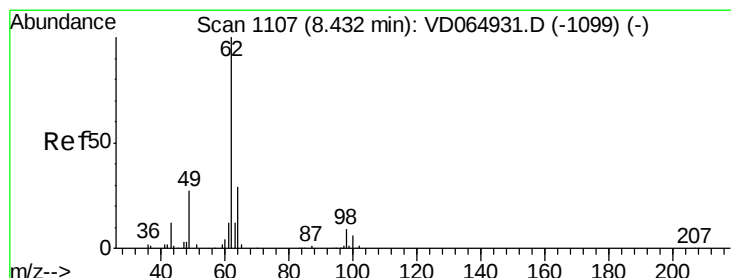
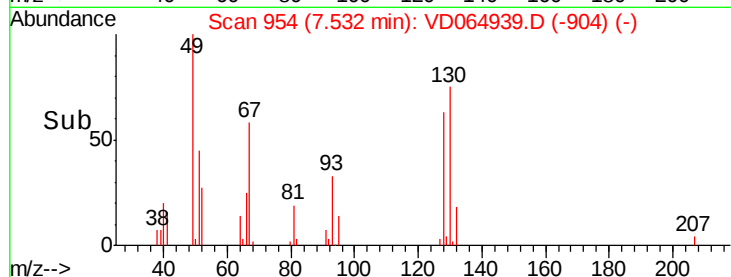
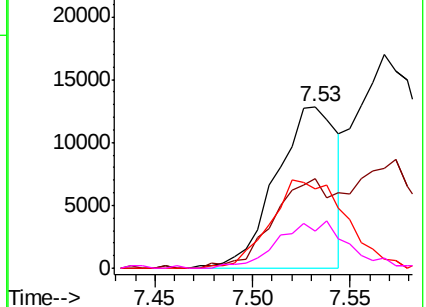


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 20.704 ug/l

RT: 8.43 min Scan# 1106

Delta R.T. -0.01 min

Lab File: VD064939.D

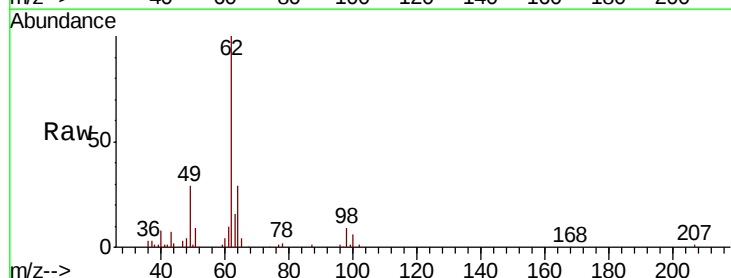
Acq: 24 Jan 2020 13:19

Tgt Ion: 62 Resp: 106373

Ion Ratio Lower Upper

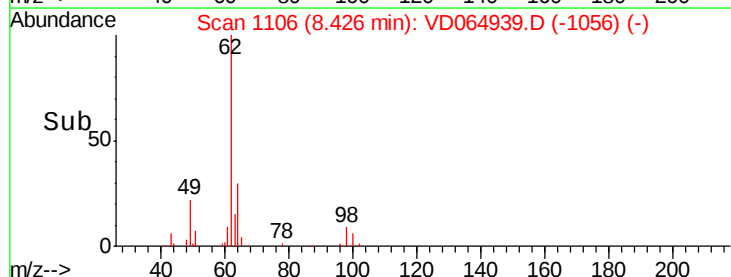
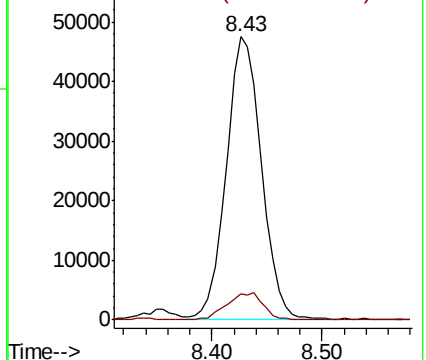
62 100

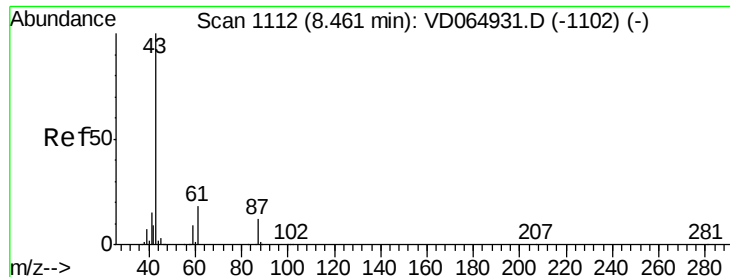
98 9.8 0.0 17.8



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 97.90 (97.60 to 98.60): VDC





#43

Isopropyl Acetate

Concen: 19.498 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. -0.01 min

Lab File: VD064939.D

Acq: 24 Jan 2020 13:19

Instrument :

MSVOA_D

ClientSampleId :

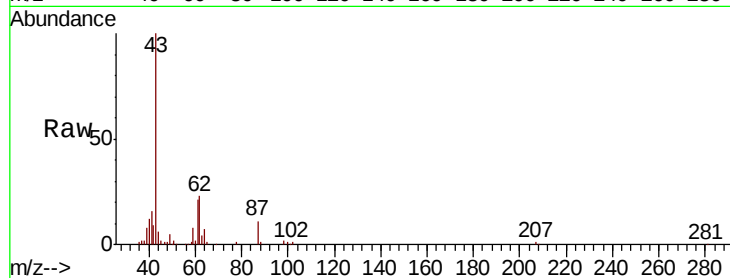
Tot Ion: 43 Resp: 95810

Ion Ratio Lower Upper

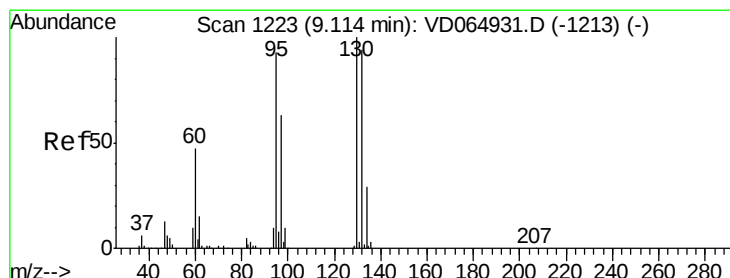
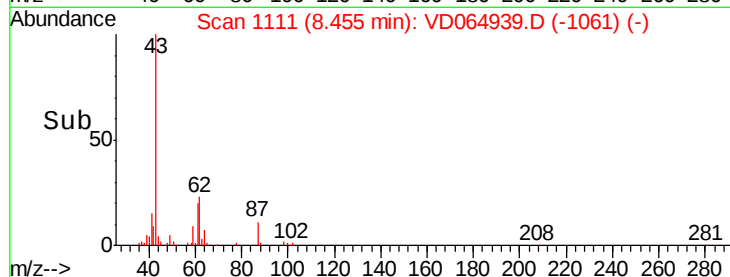
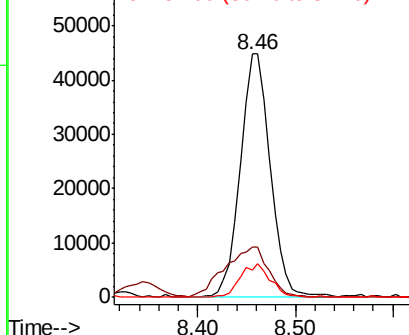
43 100

61 30.0 23.8 35.6

87 13.7 10.3 15.5



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: 20.302 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. -0.00 min

Lab File: VD064939.D

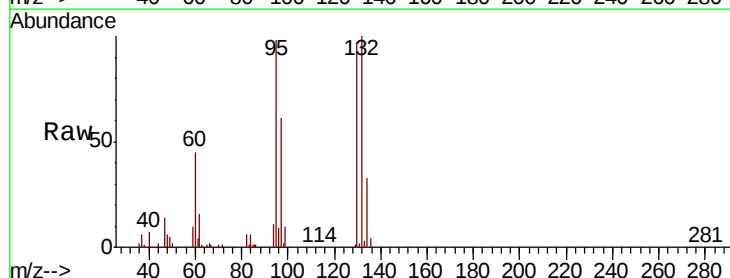
Acq: 24 Jan 2020 13:19

Tgt Ion:130 Resp: 98000

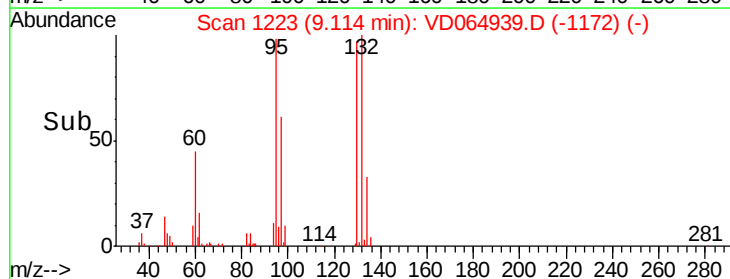
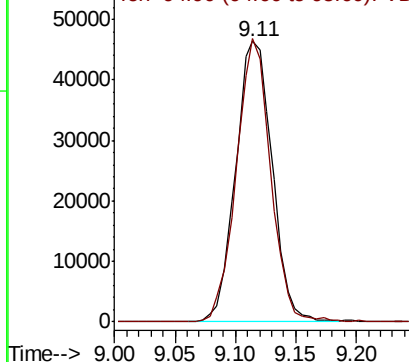
Ion Ratio Lower Upper

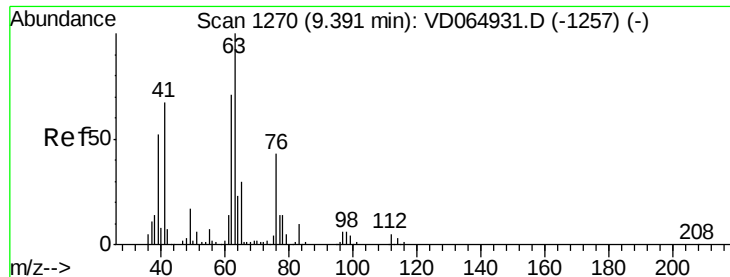
130 100

95 101.0 0.0 185.8



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

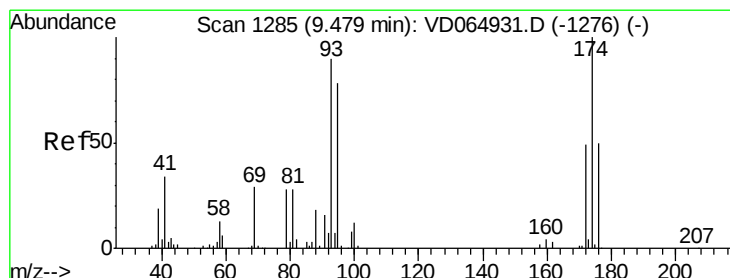
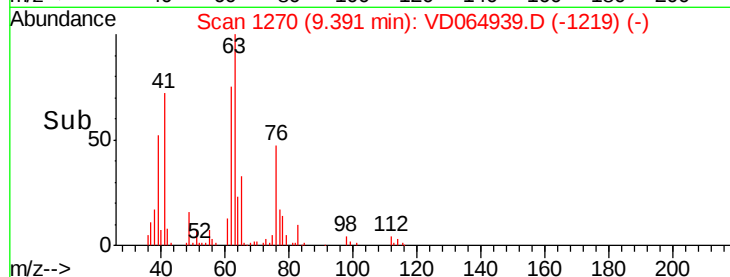
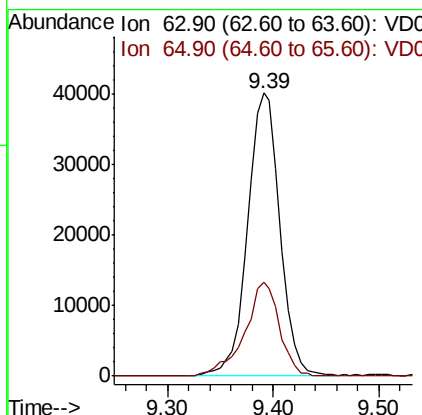
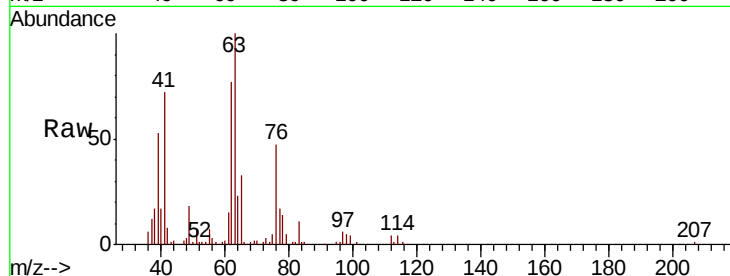




#45
 1,2-Dichloropropane
 Concen: 20.465 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VD064939.D
 Acq: 24 Jan 2020 13:19

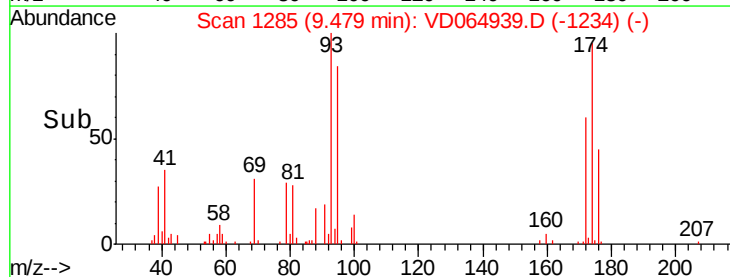
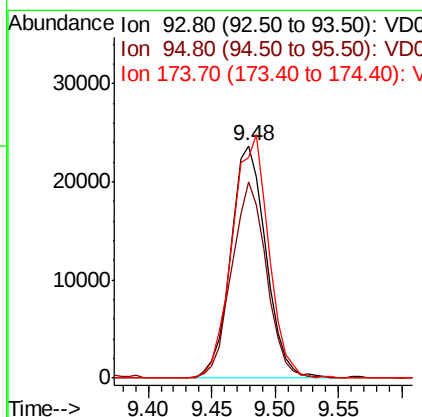
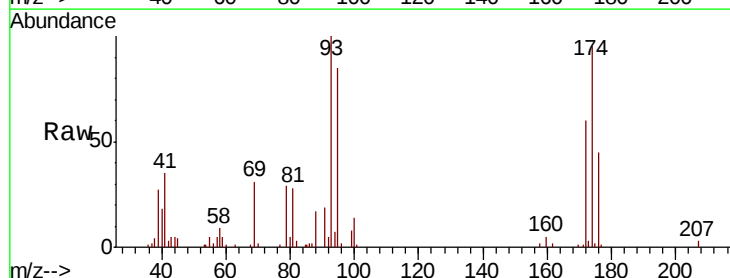
Instrument :
 MSVOA_D
 ClientSampled :

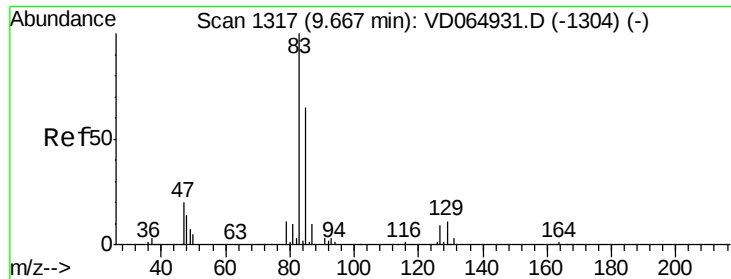
Tot Ion: 63 Resp: 85572
 Ion Ratio Lower Upper
 63 100
 65 33.3 24.3 36.5



#46
 Dibromomethane
 Concen: 19.927 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. -0.00 min
 Lab File: VD064939.D
 Acq: 24 Jan 2020 13:19

Tgt Ion: 93 Resp: 45490
 Ion Ratio Lower Upper
 93 100
 95 83.5 67.5 101.3
 174 108.2 88.4 132.6





#47

Bromodichloromethane

Concen: 20.628 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. -0.00 min

Lab File: VD064939.D

Acq: 24 Jan 2020 13:19

Instrument :

MSVOA_D

ClientSampleId :

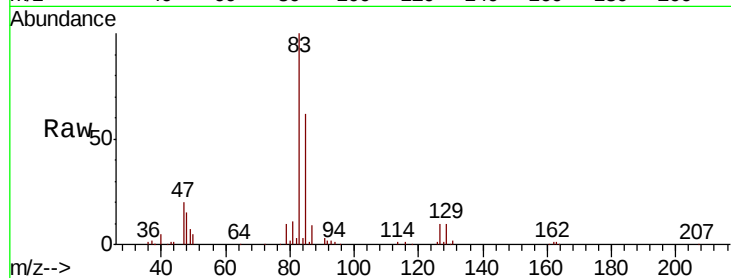
Tot Ion: 83 Resp: 122534

Ion Ratio Lower Upper

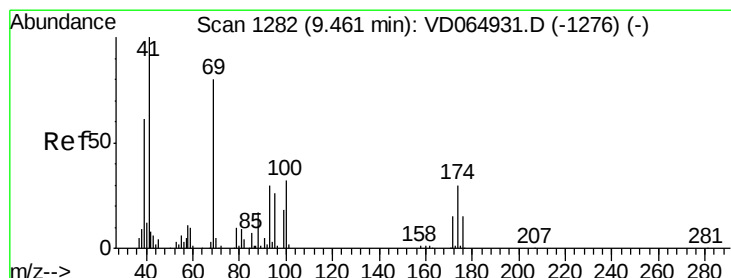
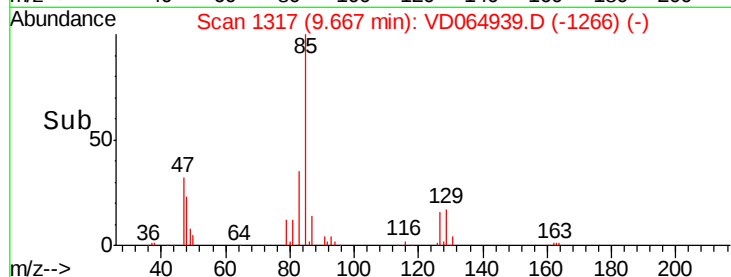
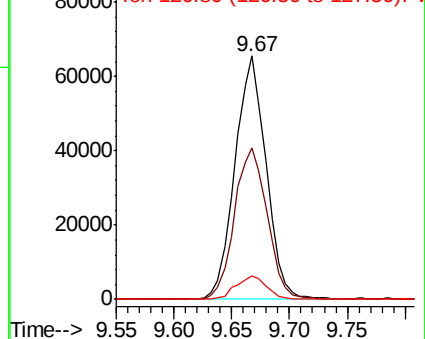
83 100

85 62.2 52.0 78.0

127 9.8 7.3 10.9



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: 19.531 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. -0.00 min

Lab File: VD064939.D

Acq: 24 Jan 2020 13:19

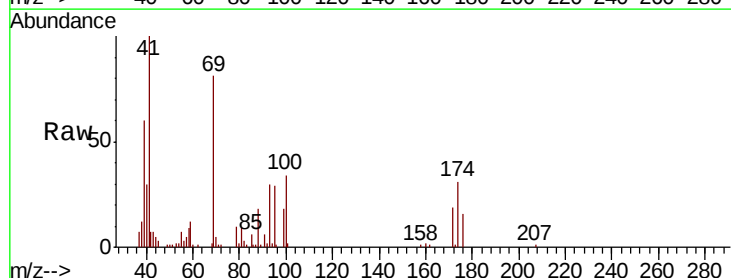
Tgt Ion: 41 Resp: 44165

Ion Ratio Lower Upper

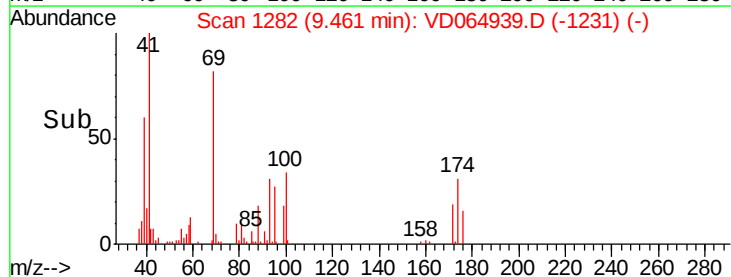
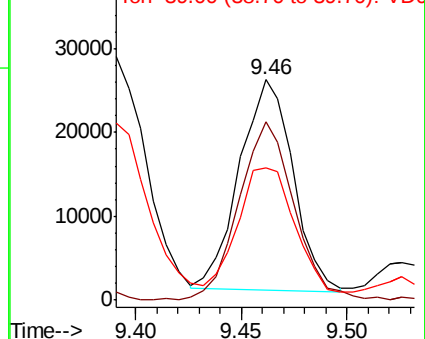
41 100

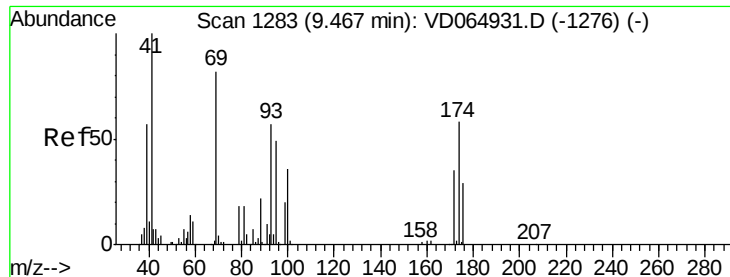
69 88.0 65.8 98.8

39 70.2 49.4 74.0



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: 425.596 ug/l

RT: 9.47 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VD064939.D

Acq: 24 Jan 2020 13:19

Instrument :
MSVOA_D
ClientSampleId :

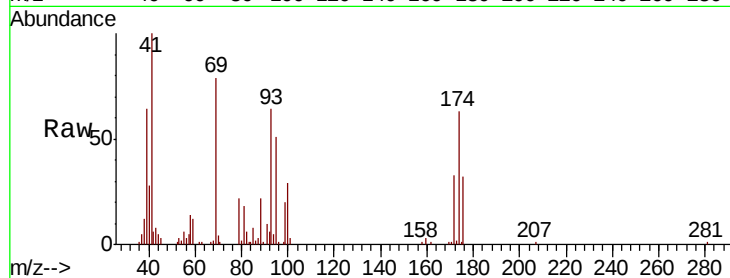
Tot Ion: 88 Resp: 11268

Ion Ratio Lower Upper

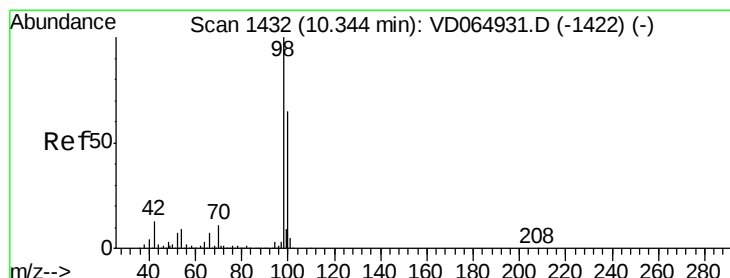
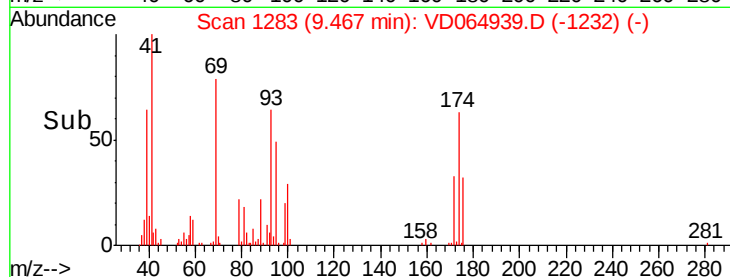
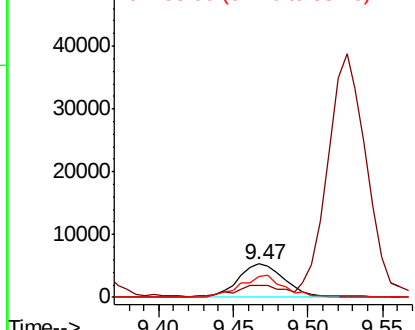
88 100

43 40.0 26.2 39.4#

58 62.8 50.3 75.5



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: 51.228 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. -0.00 min

Lab File: VD064939.D

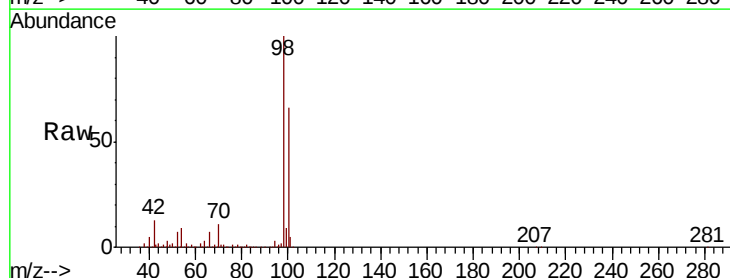
Acq: 24 Jan 2020 13:19

Tgt Ion: 98 Resp: 806959

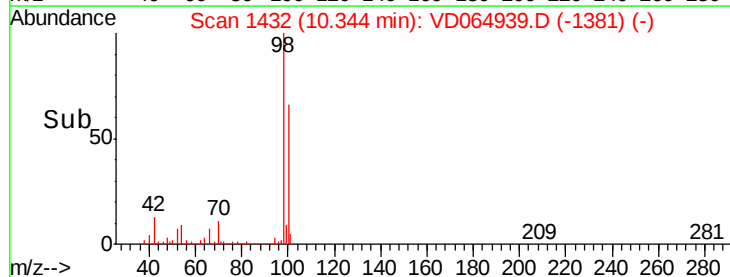
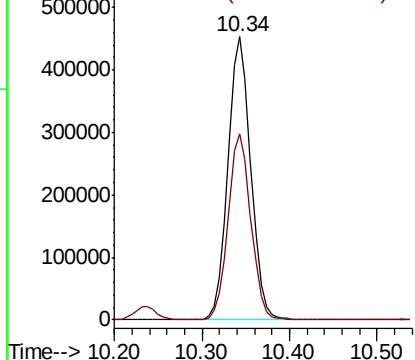
Ion Ratio Lower Upper

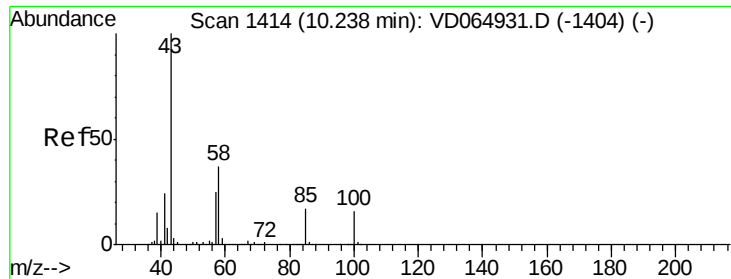
98 100

100 65.3 52.3 78.5



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

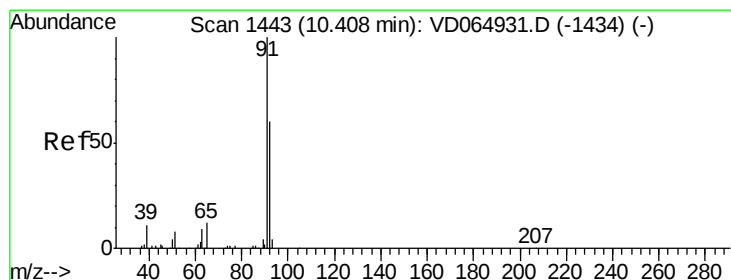
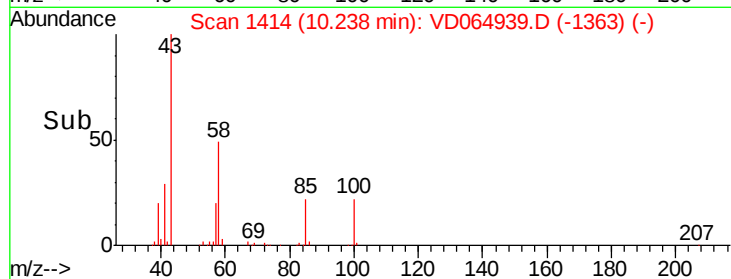
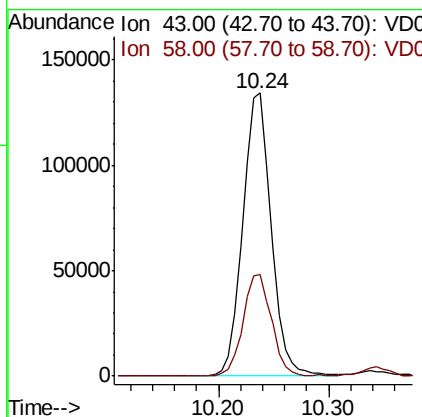
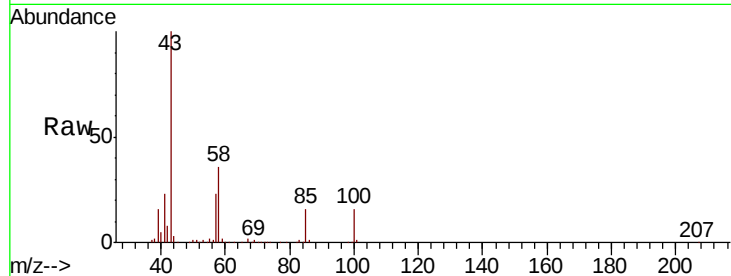




#51
 4-Methyl-2-Pentanone
 Concen: 99.258 ug/l
 RT: 10.24 min Scan# 1414
 Delta R.T. -0.00 min
 Lab File: VD064939.D
 Acq: 24 Jan 2020 13:19

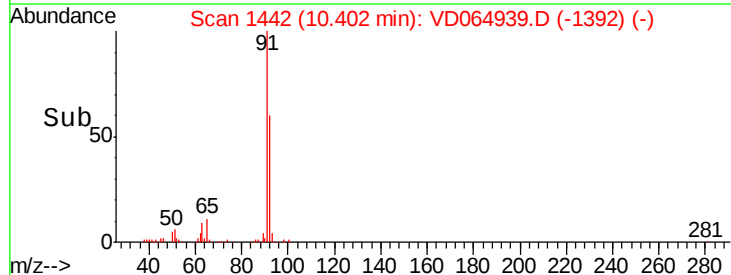
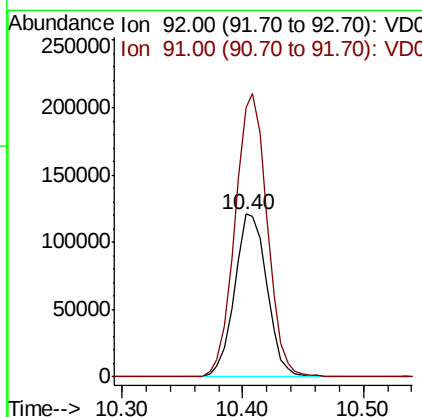
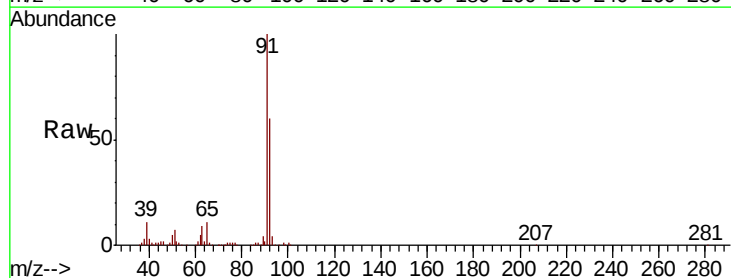
Instrument :
 MSVOA_D
 ClientSampled :

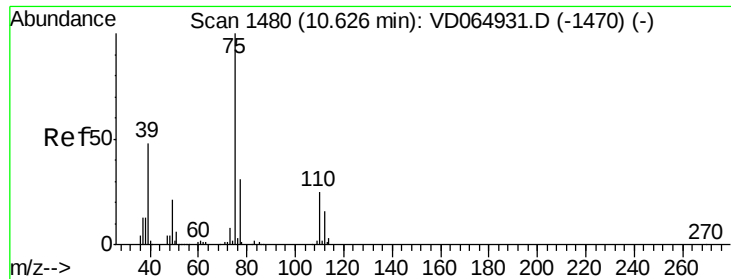
Tot Ion: 43 Resp: 244040
 Ion Ratio Lower Upper
 43 100
 58 36.0 30.4 45.6



#52
 Toluene
 Concen: 20.378 ug/l
 RT: 10.40 min Scan# 1442
 Delta R.T. -0.01 min
 Lab File: VD064939.D
 Acq: 24 Jan 2020 13:19

Tgt Ion: 92 Resp: 226608
 Ion Ratio Lower Upper
 92 100
 91 172.5 136.8 205.2





#53

t-1,3-Dichloropropene

Concen: 19.521 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. -0.00 min

Lab File: VD064939.D

Acq: 24 Jan 2020 13:19

Instrument :

MSVOA_D

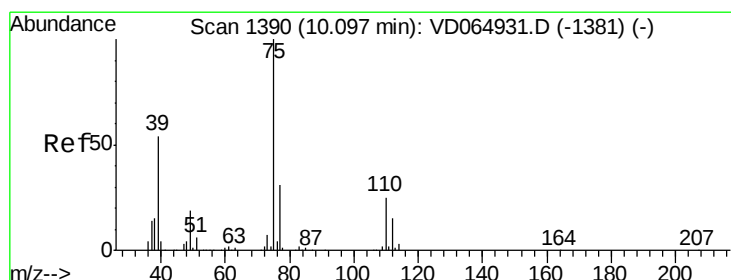
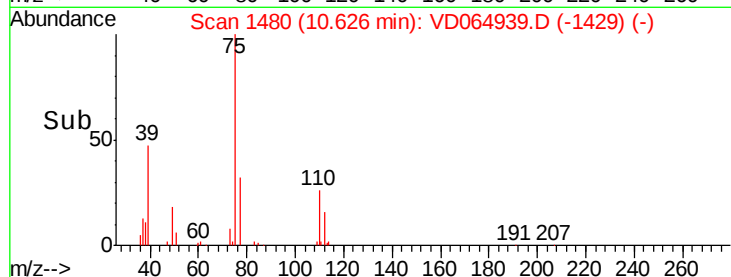
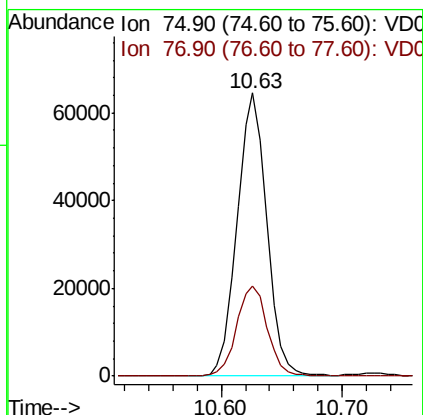
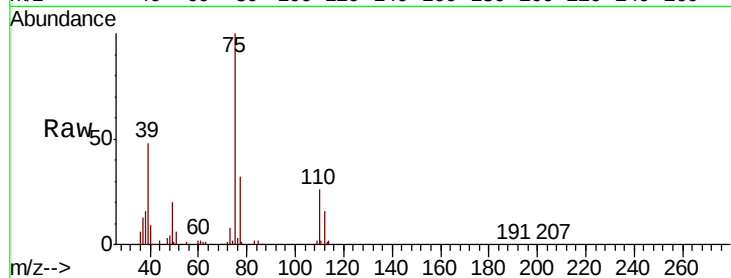
ClientSampleId :

Tot Ion: 75 Resp: 110456

Ion Ratio Lower Upper

75 100

77 32.0 25.0 37.6



#54

cis-1,3-Dichloropropene

Concen: 20.390 ug/l

RT: 10.10 min Scan# 1390

Delta R.T. -0.00 min

Lab File: VD064939.D

Acq: 24 Jan 2020 13:19

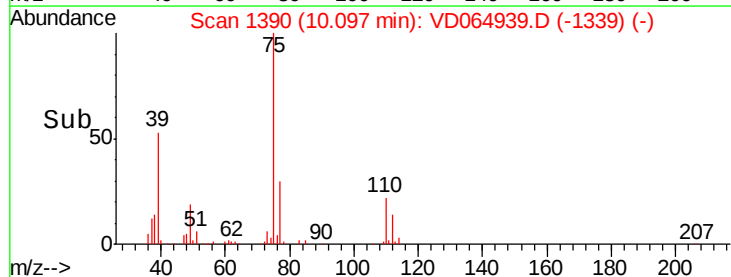
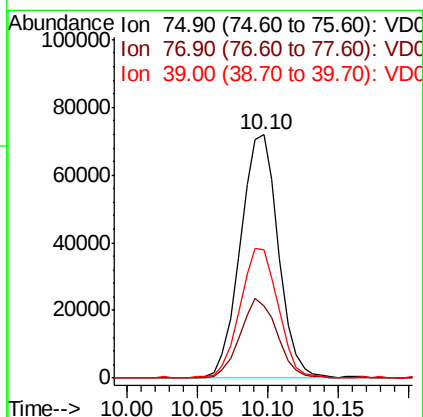
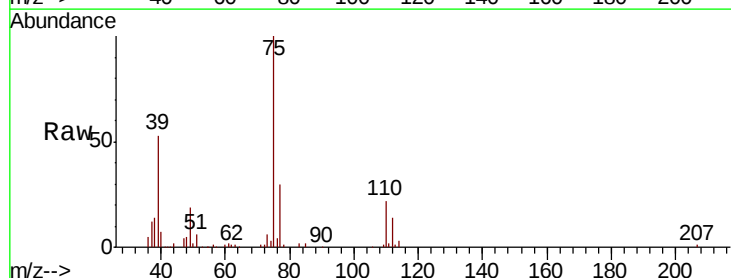
Tgt Ion: 75 Resp: 135083

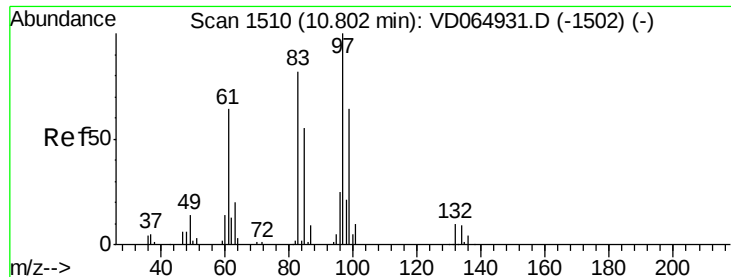
Ion Ratio Lower Upper

75 100

77 29.7 25.1 37.7

39 52.6 43.0 64.6

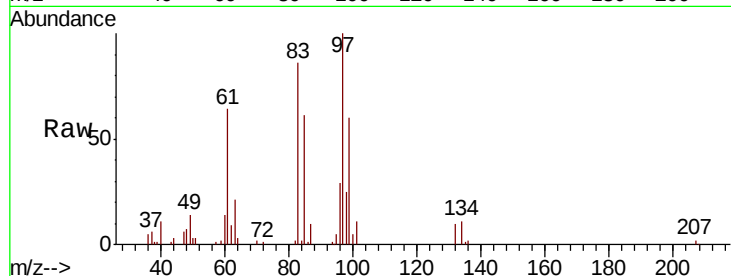




#55
 1,1,2-Trichloroethane
 Concen: 20.024 ug/l
 RT: 10.81 min Scan# 1511
 Delta R.T. 0.01 min
 Lab File: VD064939.D
 Acq: 24 Jan 2020 13:19

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:	97	Resp:	61572
Ion	Ratio	Lower	Upper
97	100		
83	86.2	66.0	99.0
85	60.8	44.4	66.6
99	60.2	51.4	77.0



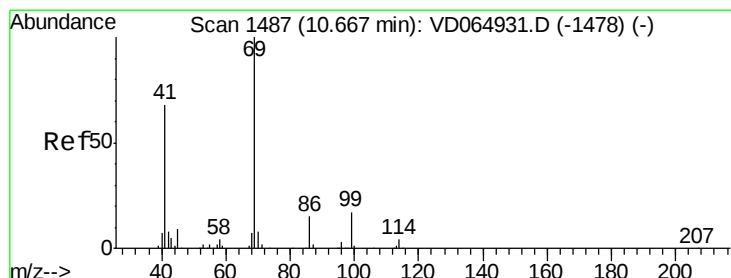
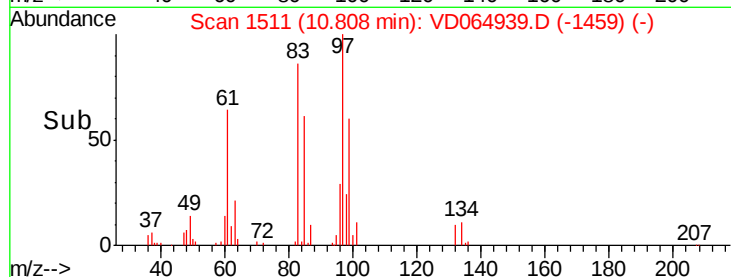
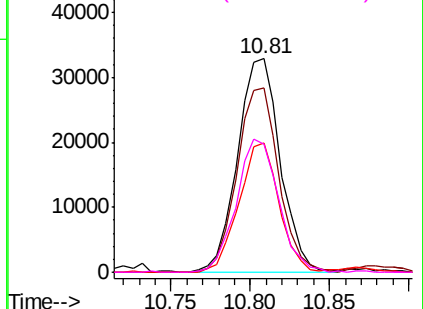
Abundance

Ion 96.90 (96.60 to 97.60): VDC

Ion 82.90 (82.60 to 83.60): VDC

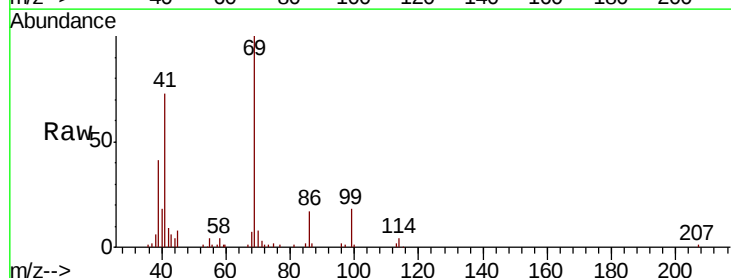
Ion 84.90 (84.60 to 85.60): VDC

Ion 98.90 (98.60 to 99.60): VDC



#56
 Ethyl methacrylate
 Concen: 19.924 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. -0.00 min
 Lab File: VD064939.D
 Acq: 24 Jan 2020 13:19

Tgt Ion:	69	Resp:	73262
Ion	Ratio	Lower	Upper
69	100		
41	71.4	56.4	84.6
39	38.5	30.6	46.0

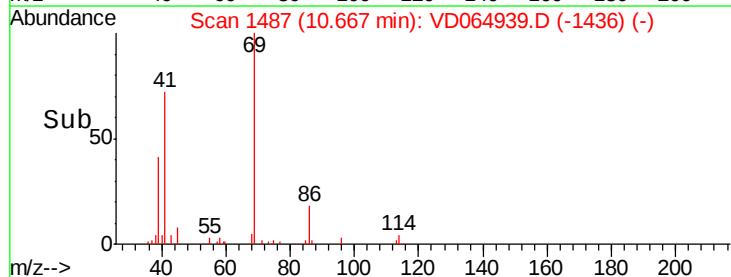
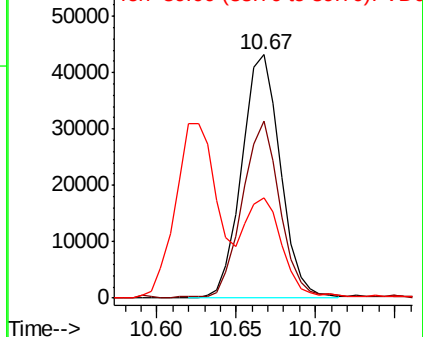


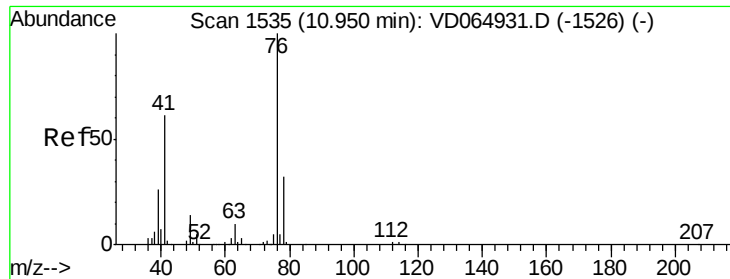
Abundance

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: 20.175 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. -0.00 min

Lab File: VD064939.D

Acq: 24 Jan 2020 13:19

Instrument :

MSVOA_D

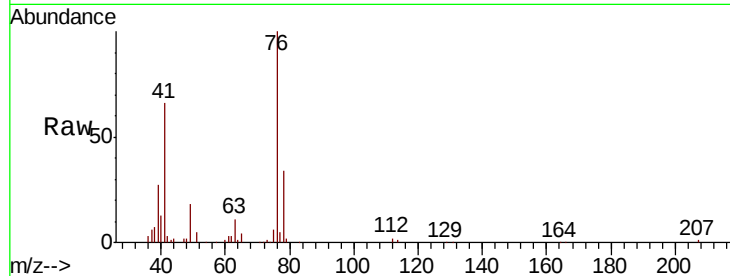
ClientSampleId :

Tot Ion: 76 Resp: 106407

Ion Ratio Lower Upper

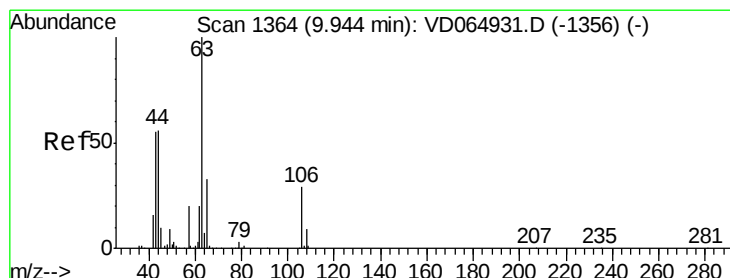
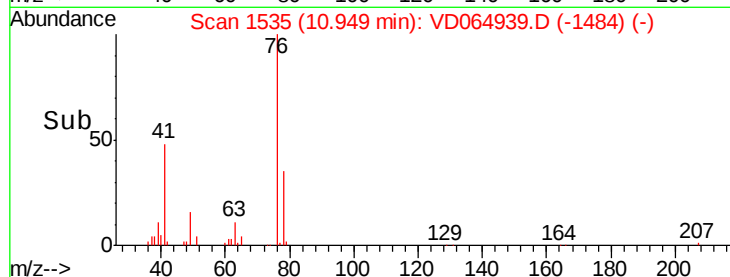
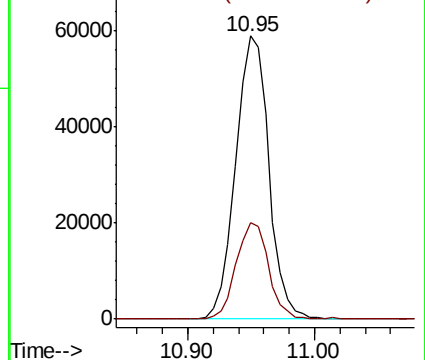
76 100

78 33.0 25.7 38.5



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: 96.728 ug/l

RT: 9.94 min Scan# 1364

Delta R.T. -0.00 min

Lab File: VD064939.D

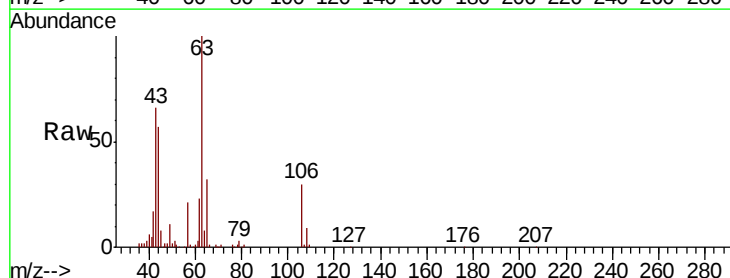
Acq: 24 Jan 2020 13:19

Tgt Ion: 63 Resp: 118165

Ion Ratio Lower Upper

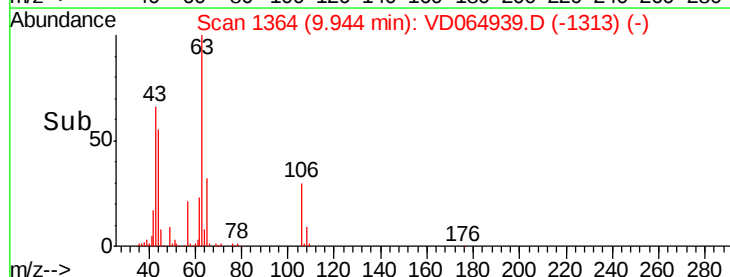
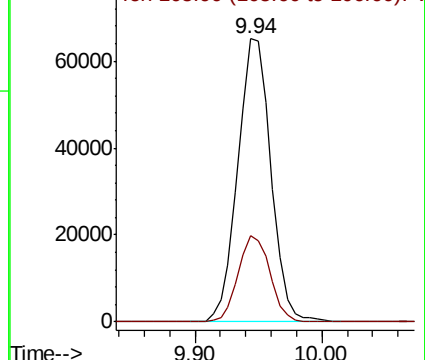
63 100

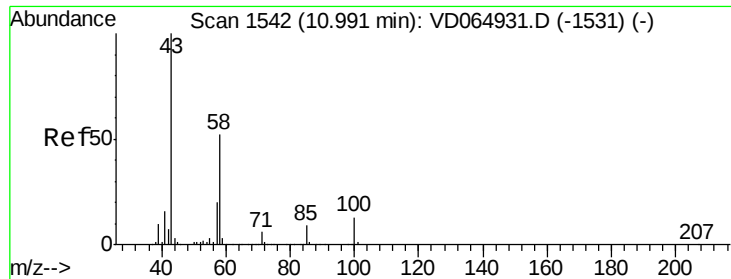
106 29.2 23.0 34.4



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 105.90 (105.60 to 106.60): V

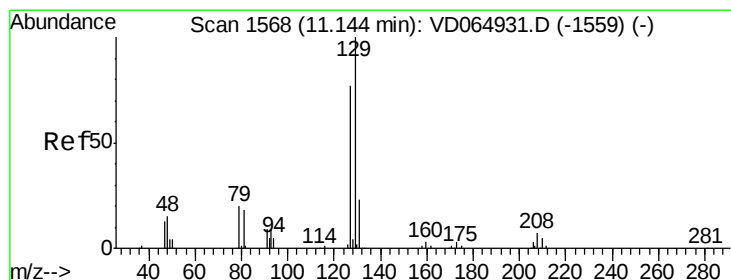
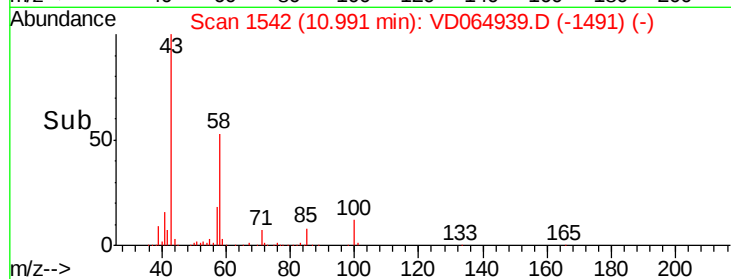
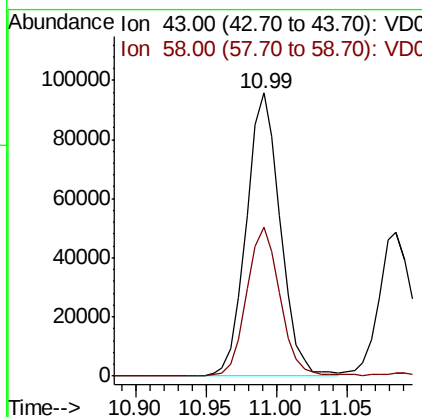
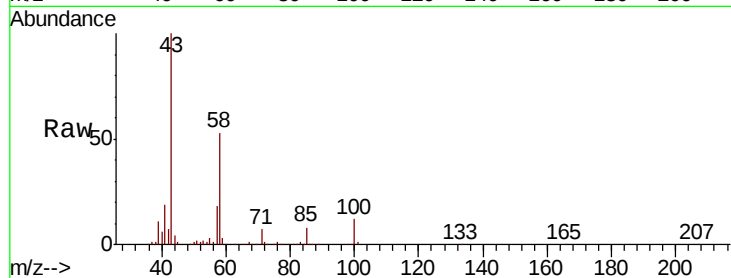




#59
2-Hexanone
Concen: 95.595 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. -0.00 min
Lab File: VD064939.D
Acq: 24 Jan 2020 13:19

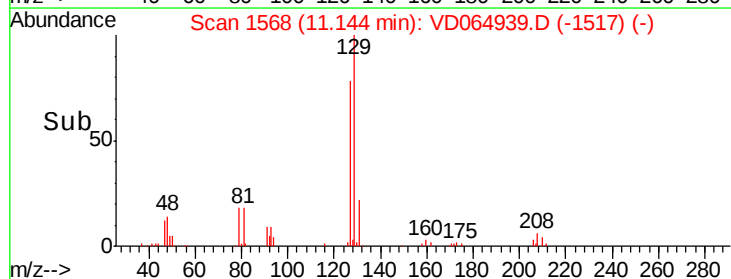
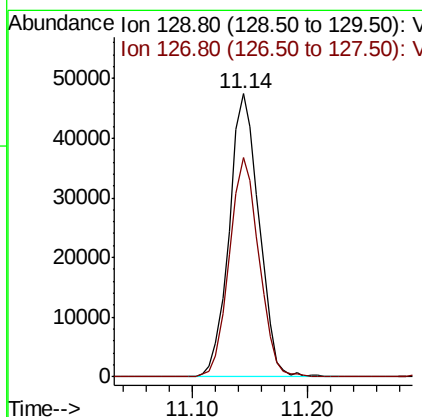
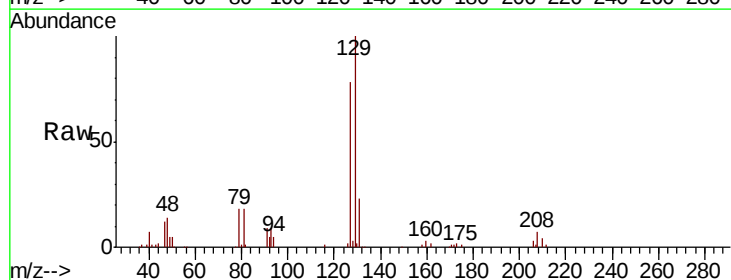
Instrument :
MSVOA_D
ClientSampled :

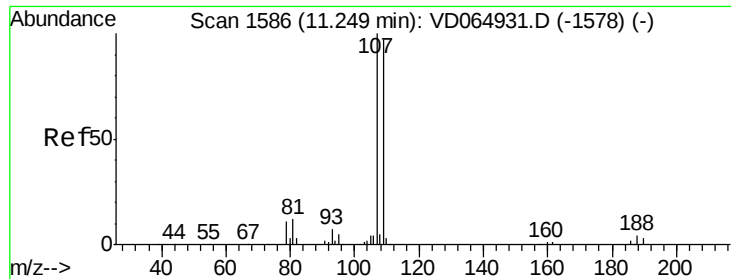
Tot Ion: 43 Resp: 162121
Ion Ratio Lower Upper
43 100
58 51.7 26.5 79.4



#60
Dibromochloromethane
Concen: 20.602 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VD064939.D
Acq: 24 Jan 2020 13:19

Tgt Ion:129 Resp: 84673
Ion Ratio Lower Upper
129 100
127 77.1 38.2 114.6





#61

1,2-Dibromoethane

Concen: 20.042 ug/l

RT: 11.25 min Scan# 1586

Delta R.T. -0.00 min

Lab File: VD064939.D

Acq: 24 Jan 2020 13:19

Instrument :

MSVOA_D

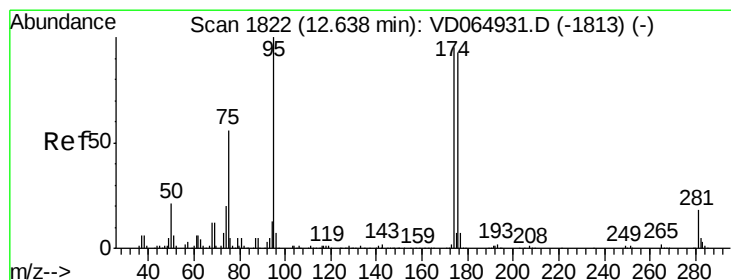
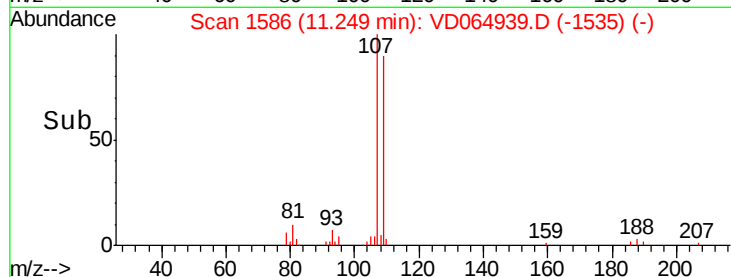
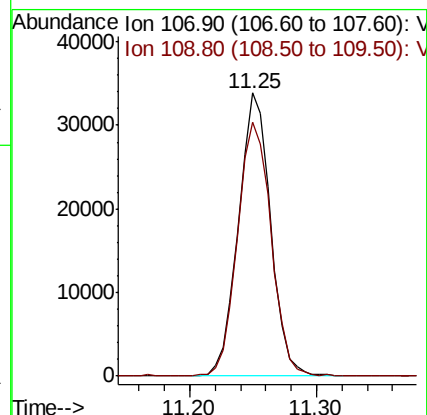
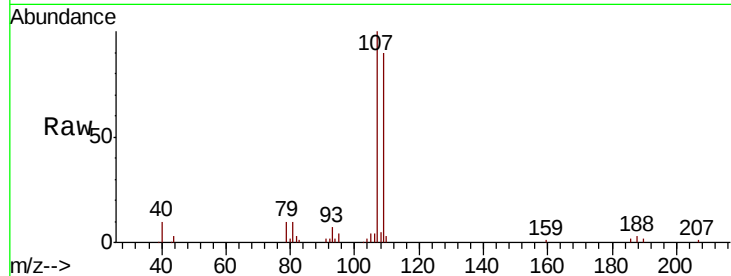
ClientSampleId :

Tot Ion:107 Resp: 59341

Ion Ratio Lower Upper

107 100

109 93.6 77.1 115.7



#62

4-Bromofluorobenzene

Concen: 51.100 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.00 min

Lab File: VD064939.D

Acq: 24 Jan 2020 13:19

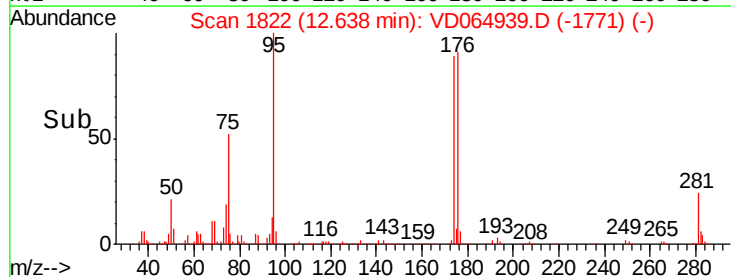
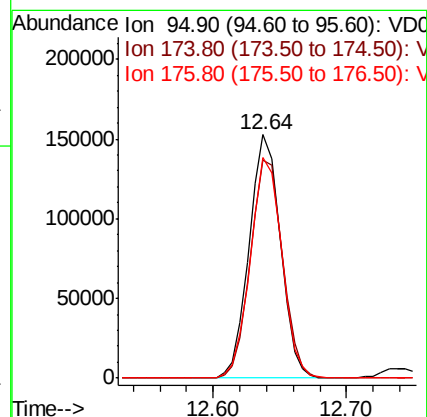
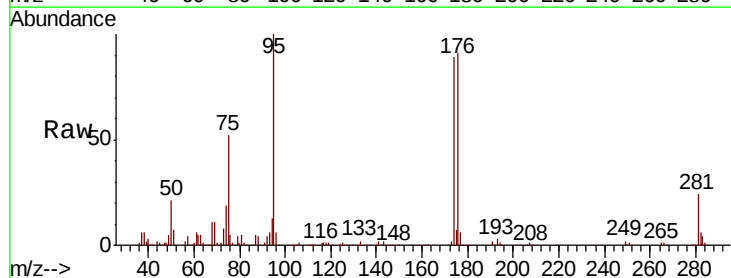
Tgt Ion: 95 Resp: 246326

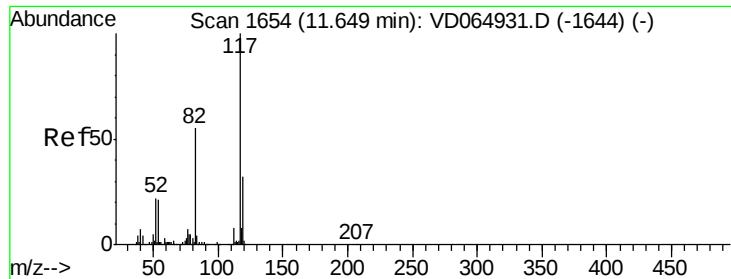
Ion Ratio Lower Upper

95 100

174 92.2 0.0 186.8

176 91.1 0.0 183.4

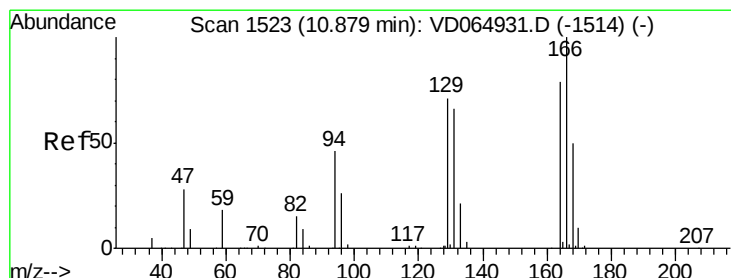
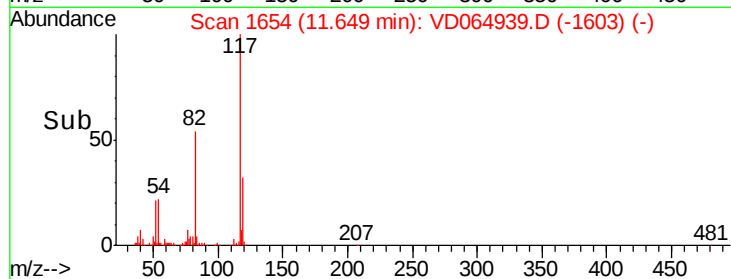
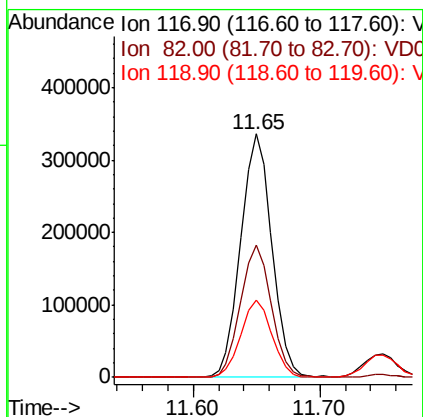
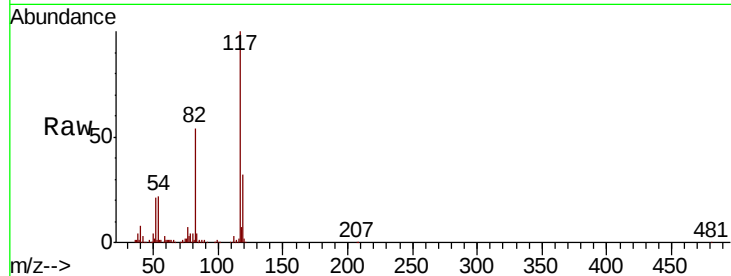




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD064939.D
Acq: 24 Jan 2020 13:19

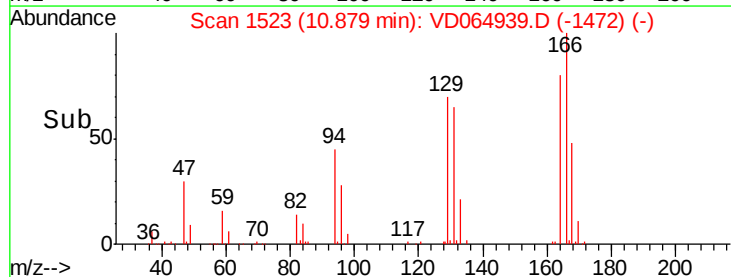
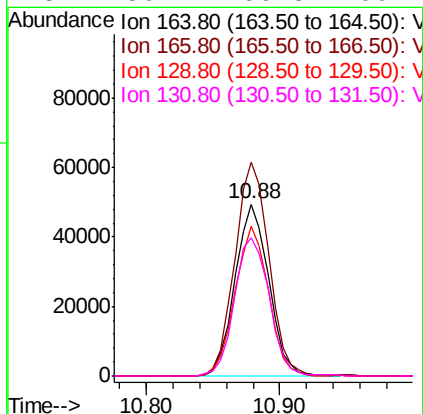
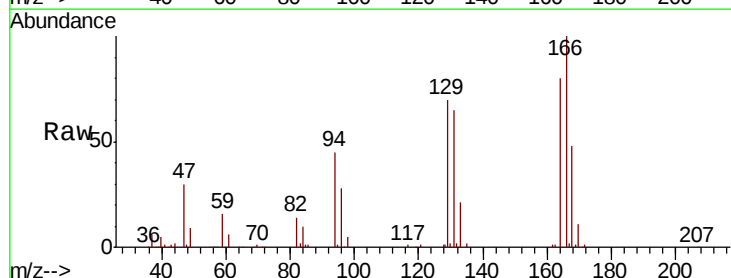
Instrument :
MSVOA_D
ClientSampled :

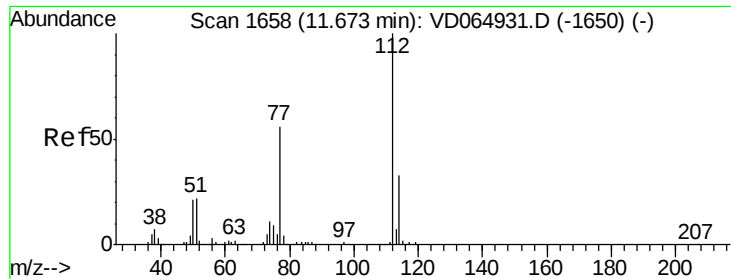
Tot Ion:117 Resp: 573393
Ion Ratio Lower Upper
117 100
82 54.2 43.6 65.4
119 31.7 25.2 37.8



#64
Tetrachloroethene
Concen: 20.877 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. -0.00 min
Lab File: VD064939.D
Acq: 24 Jan 2020 13:19

Tgt Ion:164 Resp: 86502
Ion Ratio Lower Upper
164 100
166 124.3 101.4 152.2
129 87.5 71.8 107.8
131 80.4 66.8 100.2

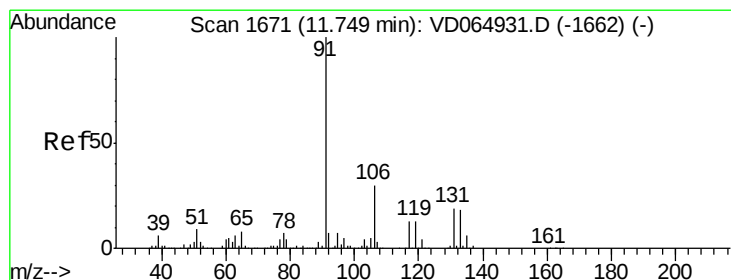
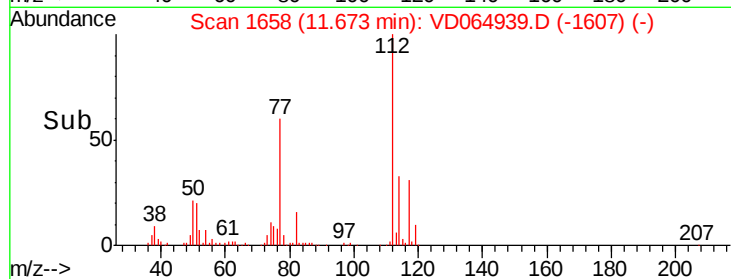
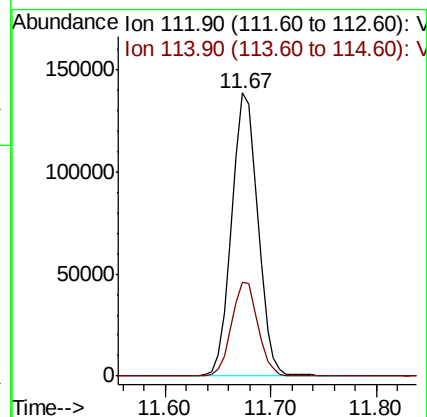
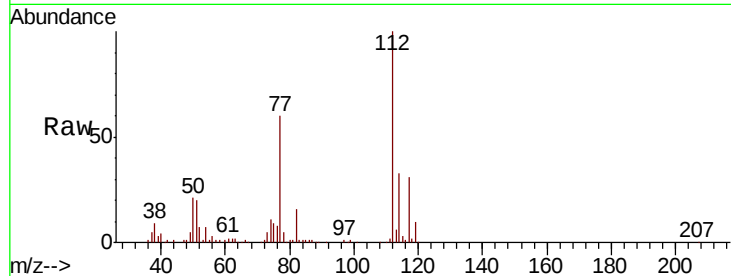




#65
Chlorobenzene
Concen: 20.419 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. -0.00 min
Lab File: VD064939.D
Acq: 24 Jan 2020 13:19

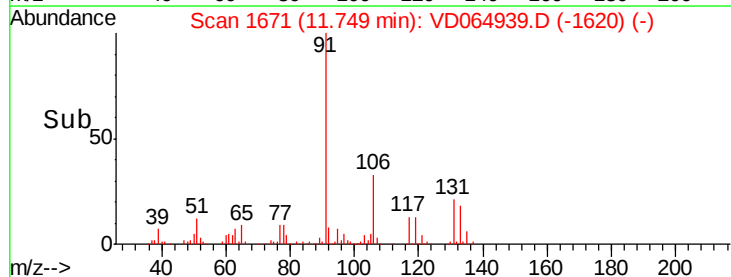
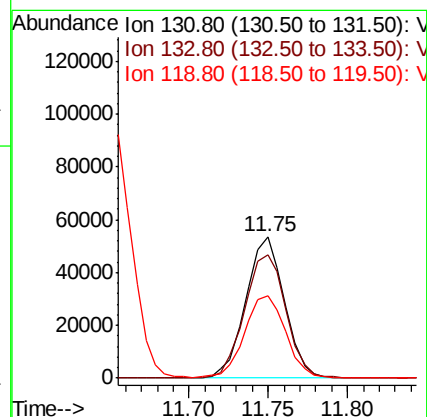
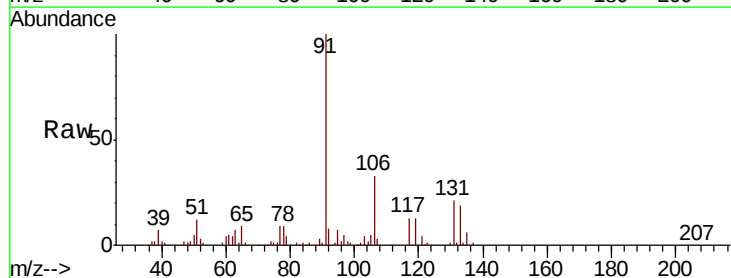
Instrument :
MSVOA_D
ClientSampled :

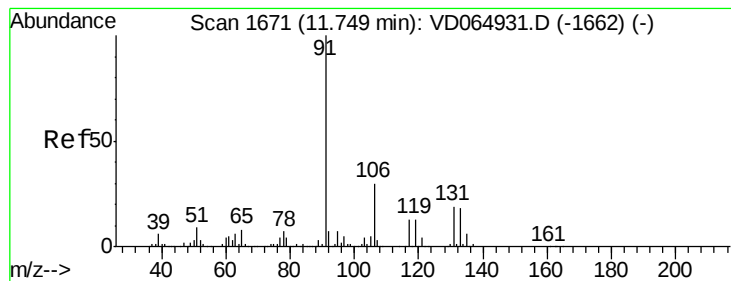
Tot Ion:112 Resp: 237714
Ion Ratio Lower Upper
112 100
114 33.2 26.2 39.4



#66
1,1,1,2-Tetrachloroethane
Concen: 20.629 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VD064939.D
Acq: 24 Jan 2020 13:19

Tgt Ion:131 Resp: 90321
Ion Ratio Lower Upper
131 100
133 93.8 47.5 142.5
119 62.6 31.1 93.5





#67

Ethyl Benzene

Concen: 20.173 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. -0.00 min

Lab File: VD064939.D

Acq: 24 Jan 2020 13:19

Instrument :

MSVOA_D

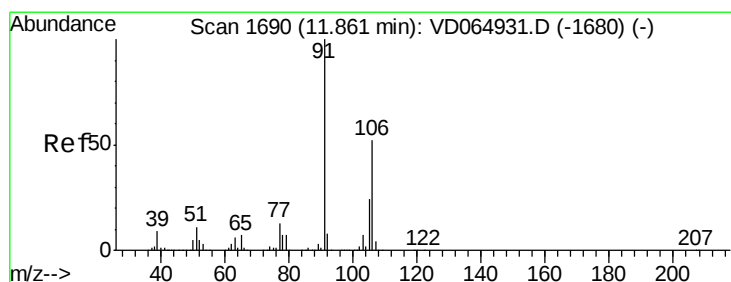
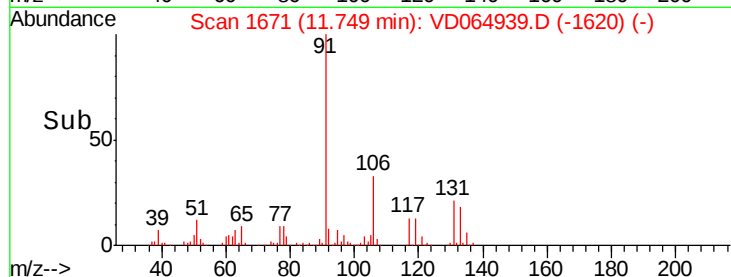
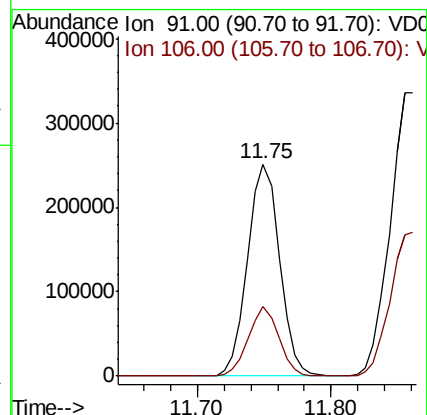
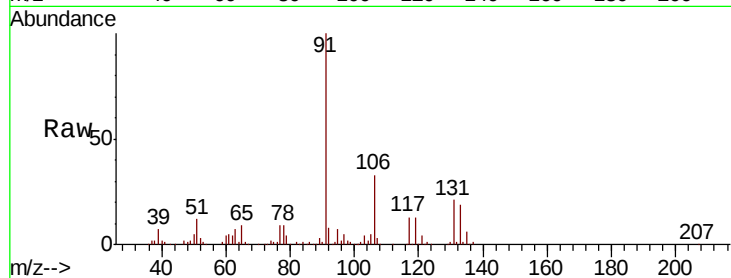
ClientSampleId :

Tot Ion: 91 Resp: 416948

Ion Ratio Lower Upper

91 100

106 32.8 24.3 36.5



#68

m/p-Xylenes

Concen: 41.034 ug/l

RT: 11.86 min Scan# 1690

Delta R.T. -0.00 min

Lab File: VD064939.D

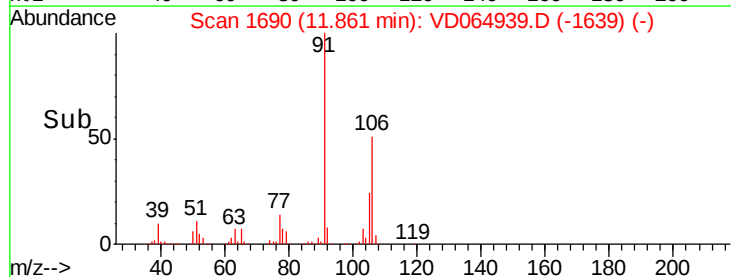
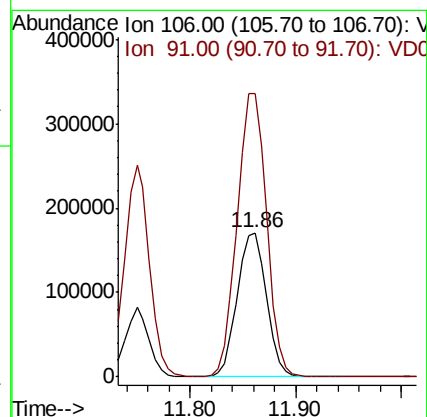
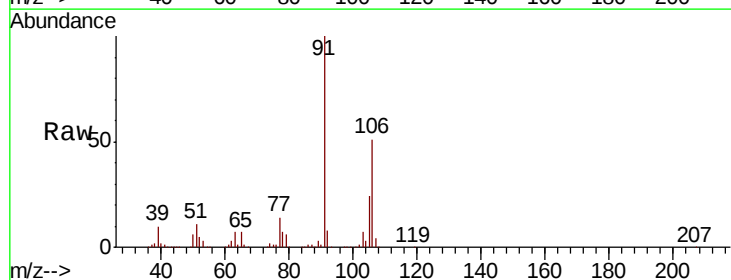
Acq: 24 Jan 2020 13:19

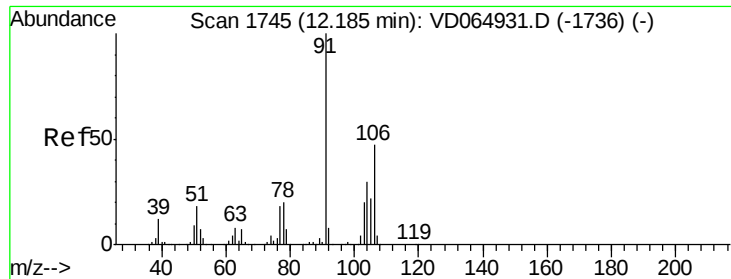
Tgt Ion: 106 Resp: 326545

Ion Ratio Lower Upper

106 100

91 198.4 159.0 238.4

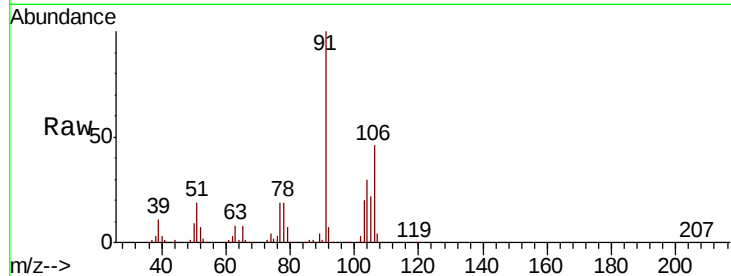




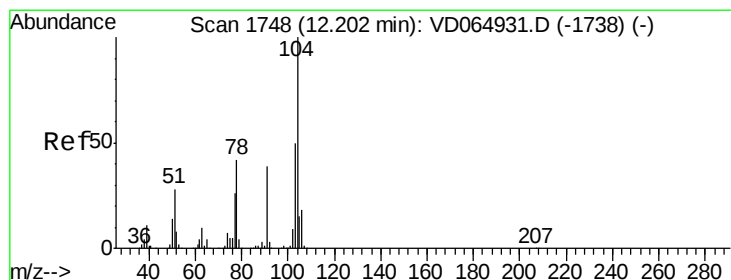
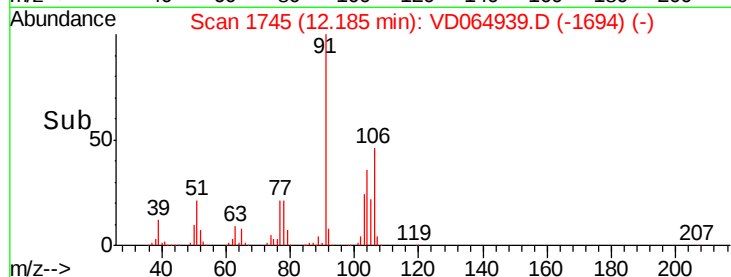
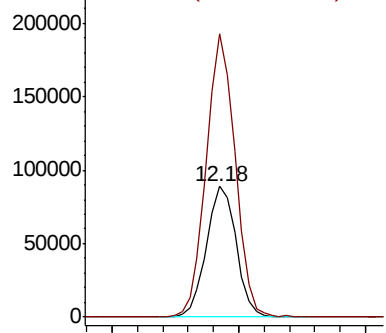
#69
o-Xylene
Concen: 20.534 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. -0.00 min
Lab File: VD064939.D
Acq: 24 Jan 2020 13:19

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:106 Resp: 145023
Ion Ratio Lower Upper
106 100
91 210.2 106.7 319.9

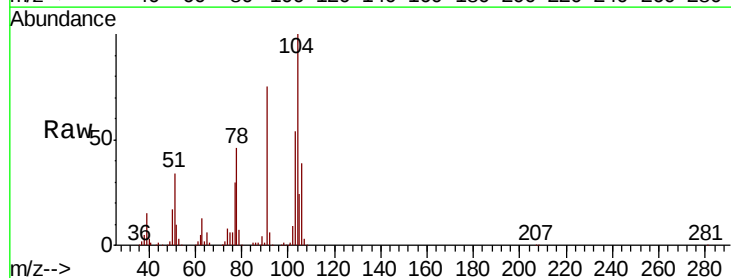


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VDC

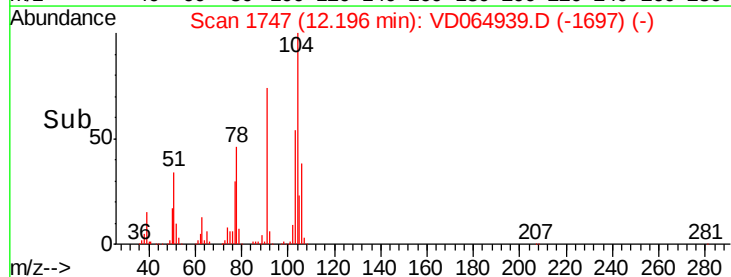
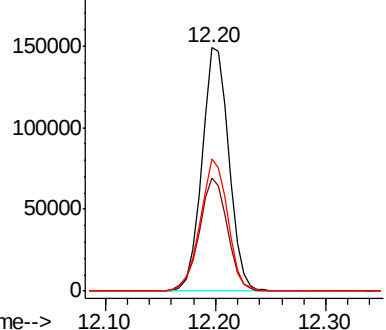


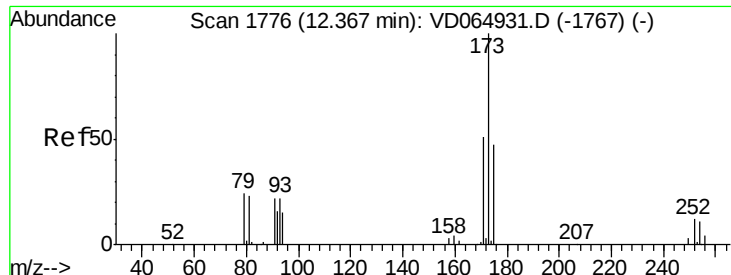
#70
Styrene
Concen: 20.276 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. -0.01 min
Lab File: VD064939.D
Acq: 24 Jan 2020 13:19

Tgt Ion:104 Resp: 255092
Ion Ratio Lower Upper
104 100
78 48.4 38.3 57.5
103 55.7 43.5 65.3



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

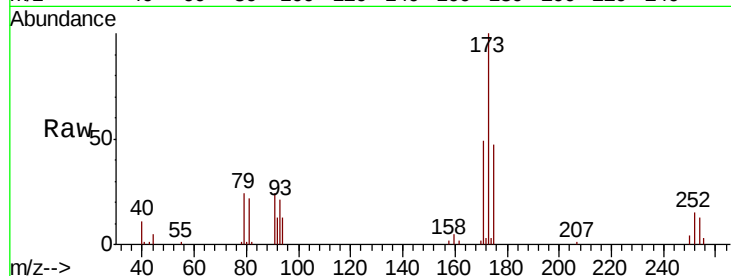




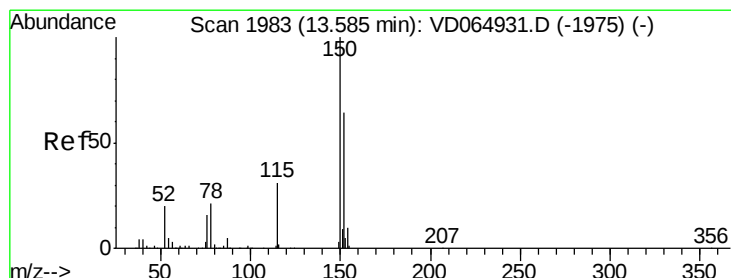
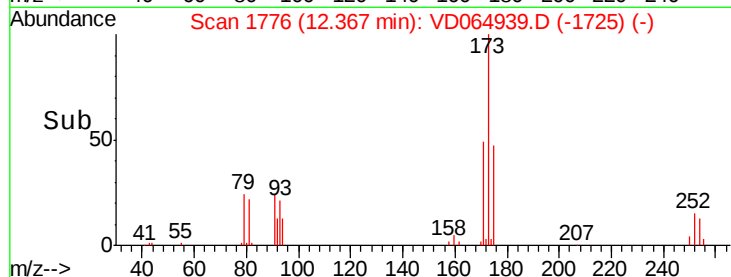
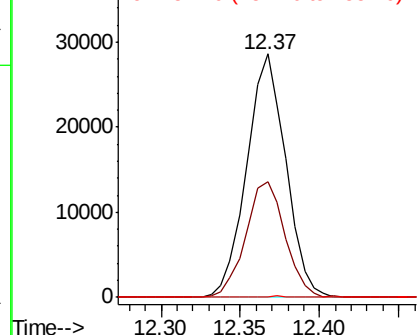
#71
Bromoform
Concen: 20.147 ug/l
RT: 12.37 min Scan# 1776
Delta R.T. -0.00 min
Lab File: VD064939.D
Acq: 24 Jan 2020 13:19

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:173 Resp: 49034
Ion Ratio Lower Upper
173 100
175 48.1 24.6 73.8
254 0.1 0.1 0.1#

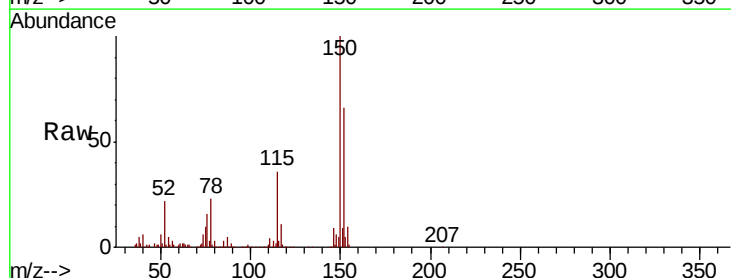


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

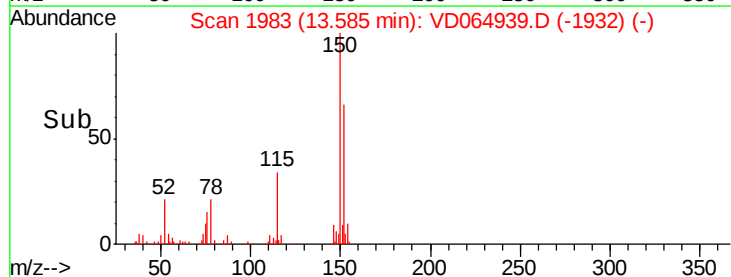
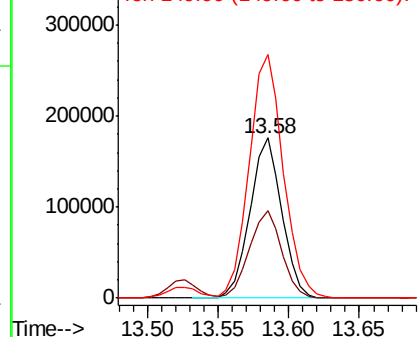


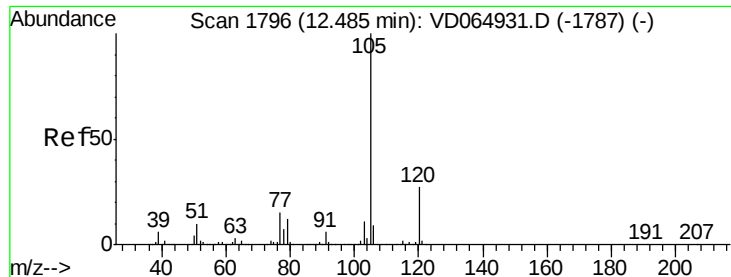
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. -0.00 min
Lab File: VD064939.D
Acq: 24 Jan 2020 13:19

Tgt Ion:152 Resp: 277699
Ion Ratio Lower Upper
152 100
115 55.5 28.1 84.4
150 163.4 0.0 350.4



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





#73

Isopropylbenzene

Concen: 20.580 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. -0.00 min

Lab File: VD064939.D

Acq: 24 Jan 2020 13:19

Instrument :

MSVOA_D

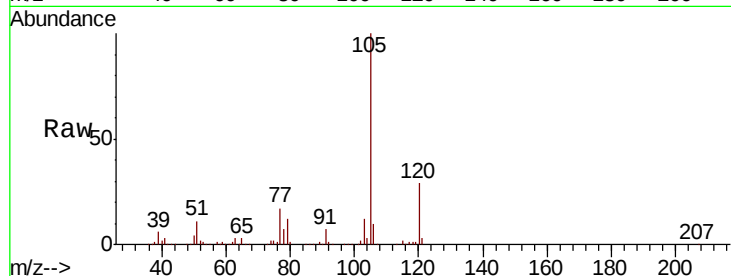
ClientSampled :

Tot Ion:105 Resp: 390618

Ion Ratio Lower Upper

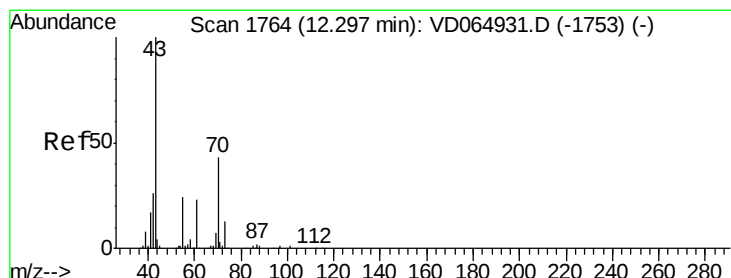
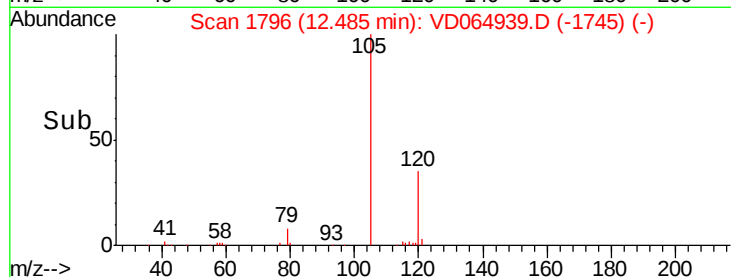
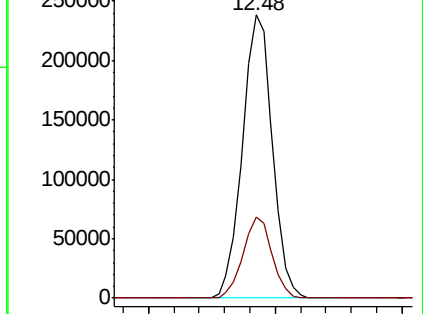
105 100

120 27.6 13.3 39.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 19.776 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. -0.00 min

Lab File: VD064939.D

Acq: 24 Jan 2020 13:19

Tgt Ion: 43 Resp: 83992

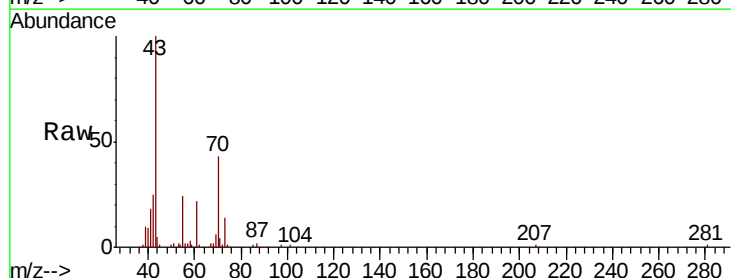
Ion Ratio Lower Upper

43 100

70 41.4 32.6 49.0

55 26.3 19.9 29.9

61 22.6 18.3 27.5

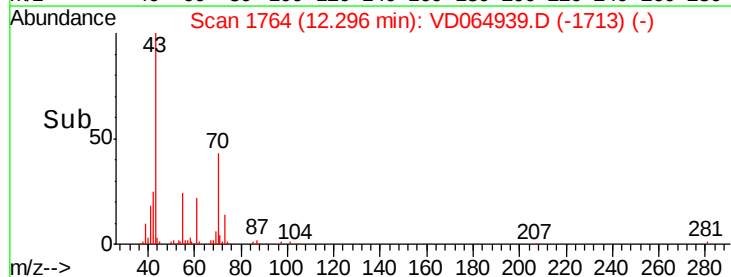
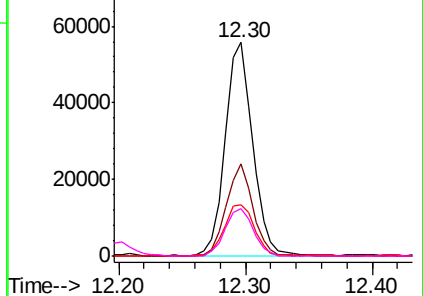


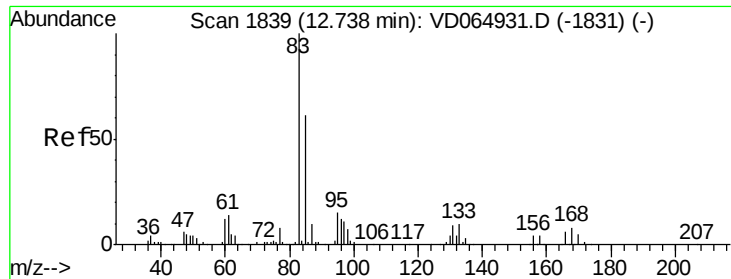
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 20.730 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. -0.00 min

Lab File: VD064939.D

Acq: 24 Jan 2020 13:19

Instrument :

MSVOA_D

ClientSampleId :

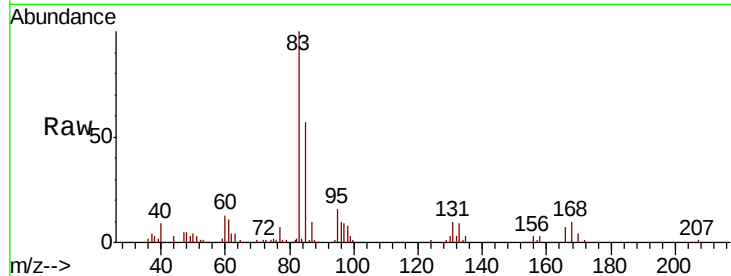
Tot Ion: 83 Resp: 66131

Ion Ratio Lower Upper

83 100

131 10.8 5.5 16.4

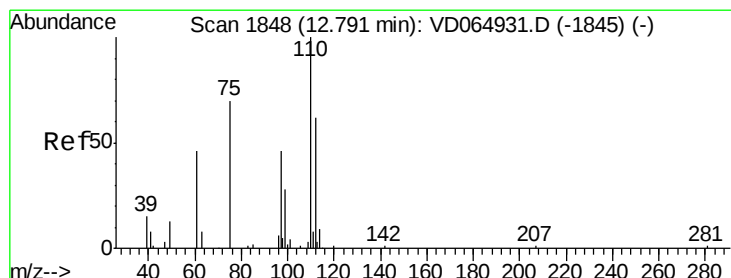
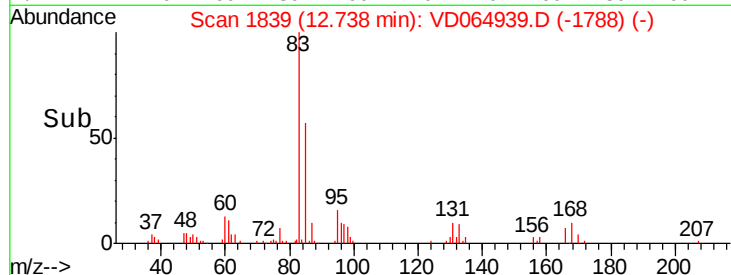
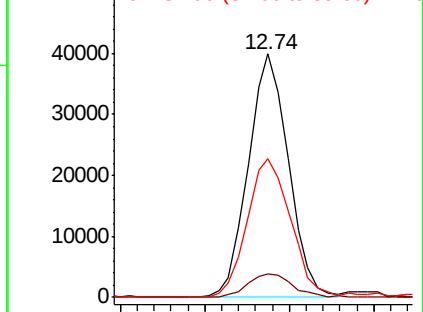
85 61.3 31.6 94.7



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: 38.865 ug/l

RT: 12.79 min Scan# 1848

Delta R.T. -0.00 min

Lab File: VD064939.D

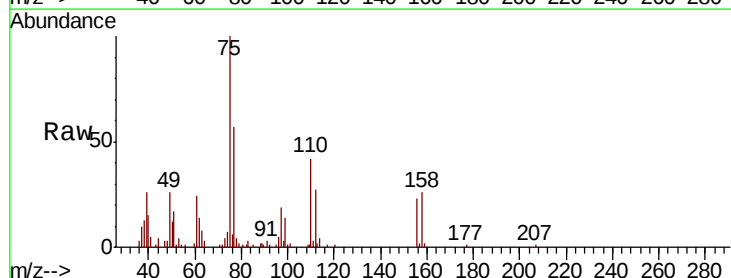
Acq: 24 Jan 2020 13:19

Tgt Ion: 75 Resp: 89582

Ion Ratio Lower Upper

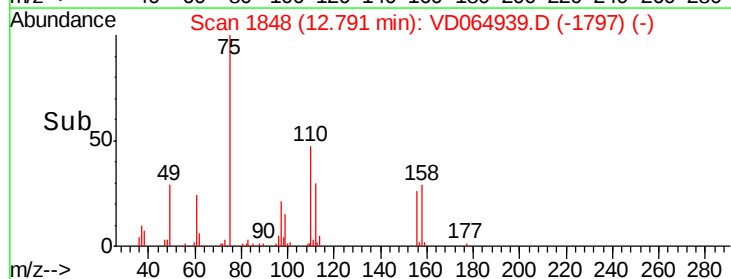
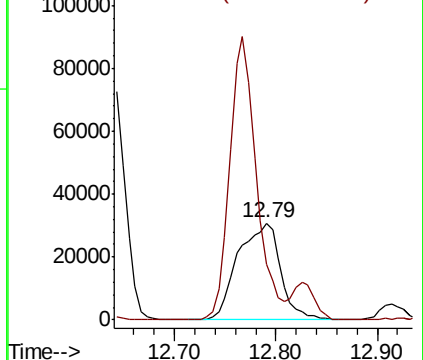
75 100

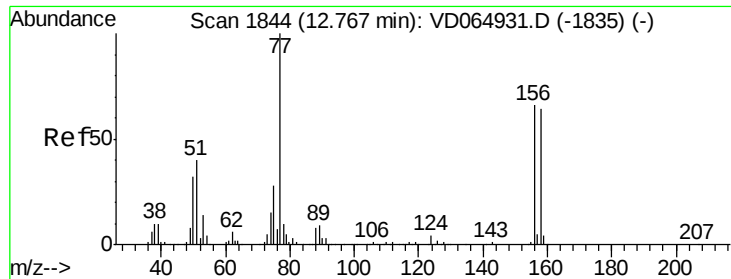
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC





#77

Bromobenzene

Concen: 21.136 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. -0.00 min

Lab File: VD064939.D

Acq: 24 Jan 2020 13:19

Instrument :

MSVOA_D

ClientSampled :

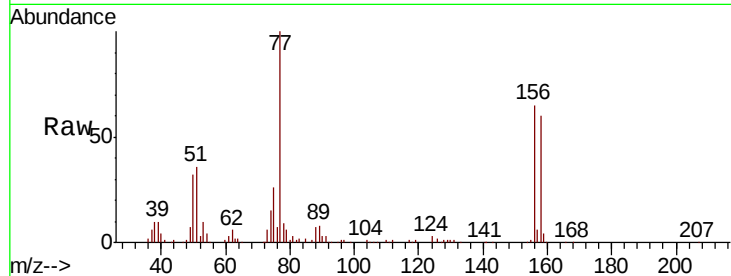
Tot Ion:156 Resp: 98157

Ion Ratio Lower Upper

156 100

77 167.7 84.2 252.5

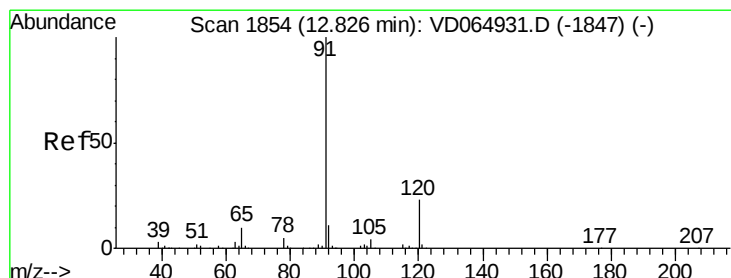
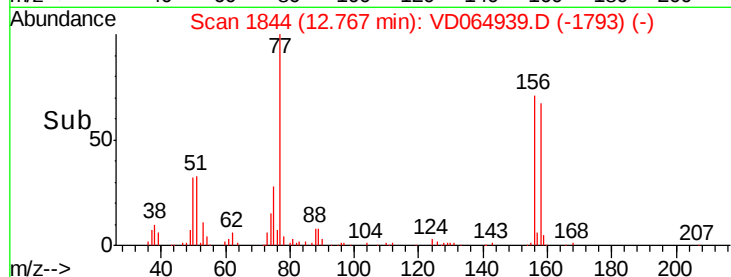
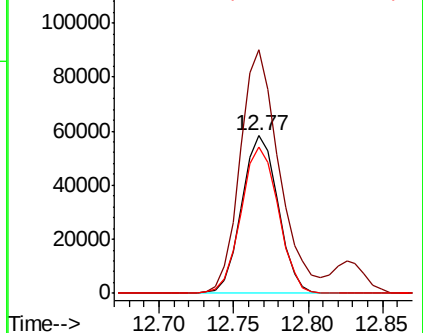
158 95.2 48.1 144.4



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): V

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.677 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. -0.00 min

Lab File: VD064939.D

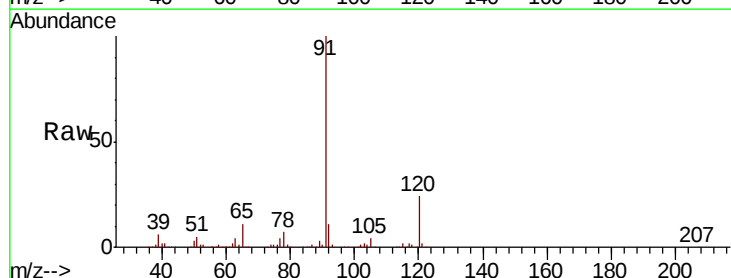
Acq: 24 Jan 2020 13:19

Tgt Ion: 91 Resp: 466731

Ion Ratio Lower Upper

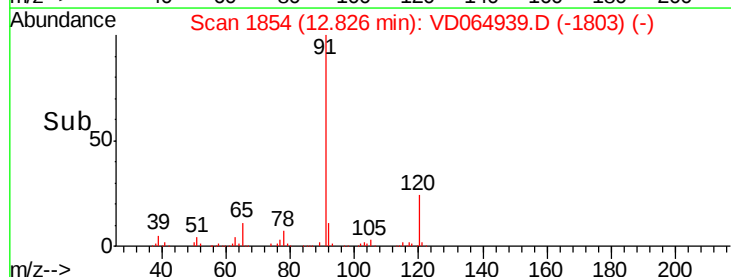
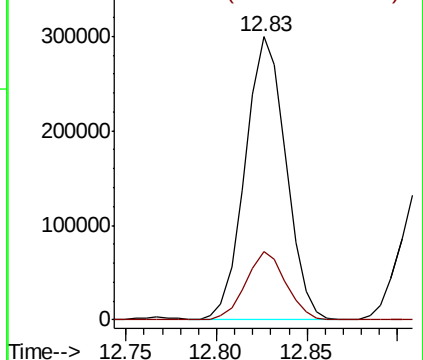
91 100

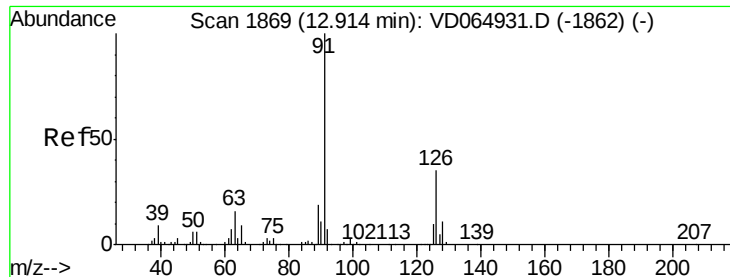
120 23.5 11.7 35.1



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.00 (119.70 to 120.70): V

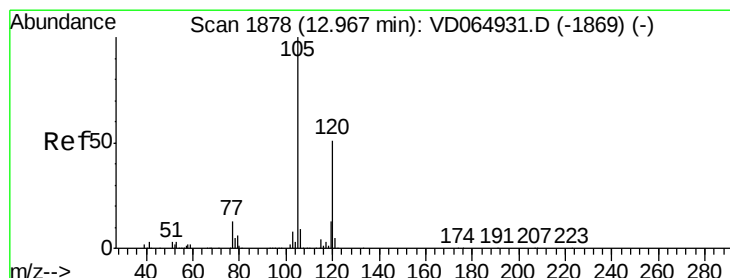
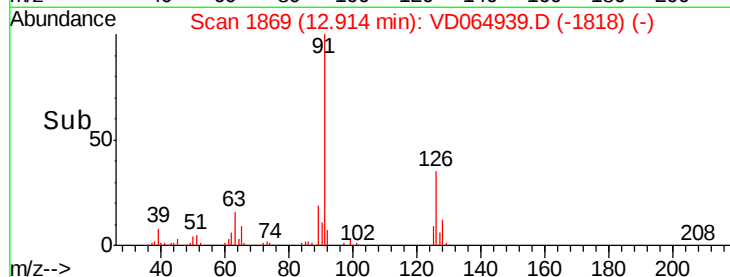
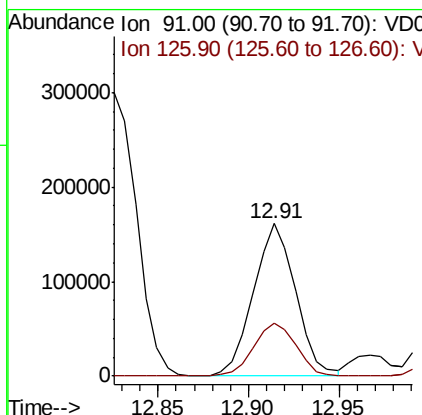
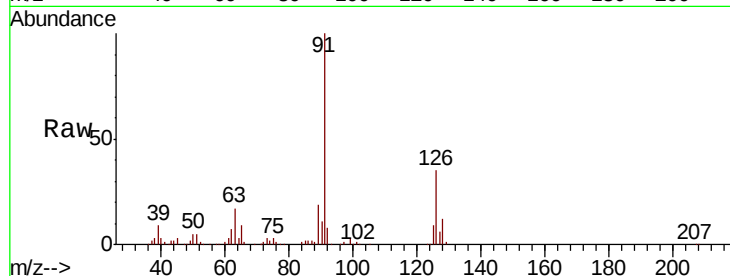




#79
 2-Chlorotoluene
 Concen: 21.068 ug/l
 RT: 12.91 min Scan# 1869
 Delta R.T. -0.00 min
 Lab File: VD064939.D
 Acq: 24 Jan 2020 13:19

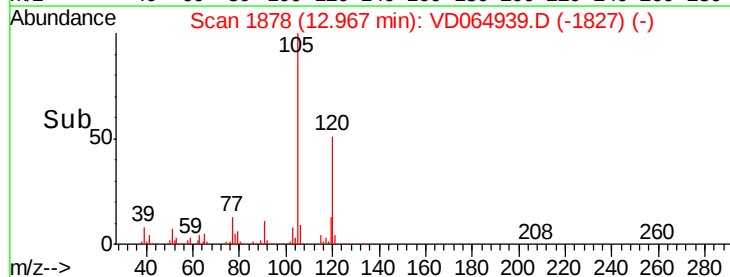
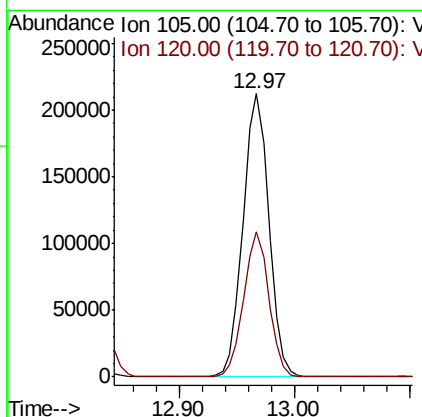
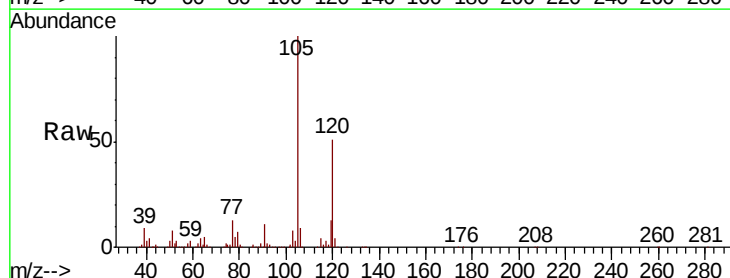
Instrument :
 MSVOA_D
 ClientSampleId :

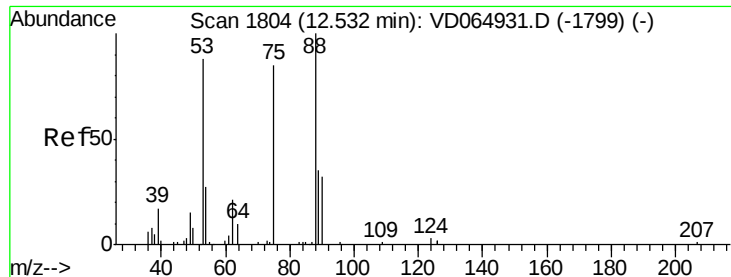
Tot Ion: 91 Resp: 260883
 Ion Ratio Lower Upper
 91 100
 126 35.1 17.9 53.8



#80
 1,3,5-Trimethylbenzene
 Concen: 21.312 ug/l
 RT: 12.97 min Scan# 1878
 Delta R.T. -0.00 min
 Lab File: VD064939.D
 Acq: 24 Jan 2020 13:19

Tgt Ion: 105 Resp: 331495
 Ion Ratio Lower Upper
 105 100
 120 49.9 25.6 76.8





#81

trans-1,4-Dichloro-2-butene

Concen: 20.509 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. -0.00 min

Lab File: VD064939.D

Acq: 24 Jan 2020 13:19

Instrument :

MSVOA_D

ClientSampleId :

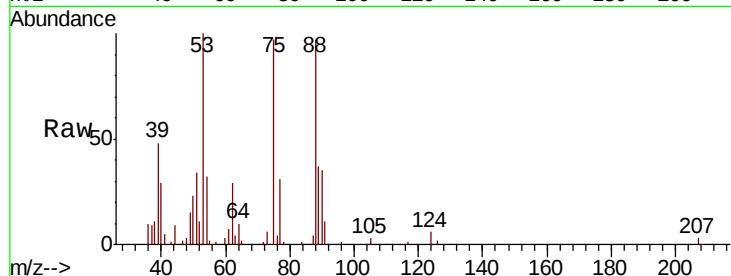
Tot Ion: 75 Resp: 22139

Ion Ratio Lower Upper

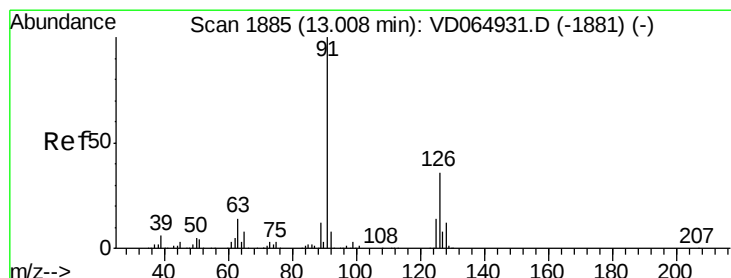
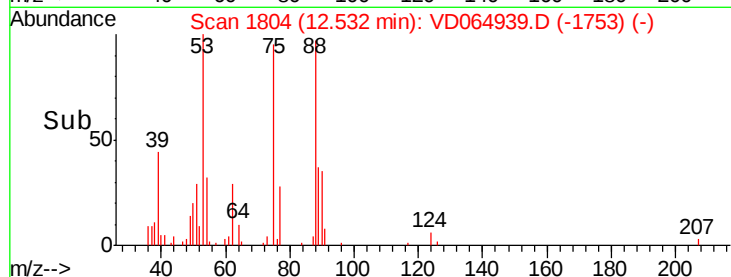
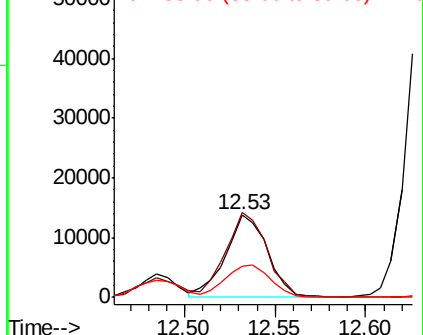
75 100

53 100.7 81.0 121.4

89 41.9 36.2 54.4



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: 21.152 ug/l

RT: 13.01 min Scan# 1886

Delta R.T. 0.01 min

Lab File: VD064939.D

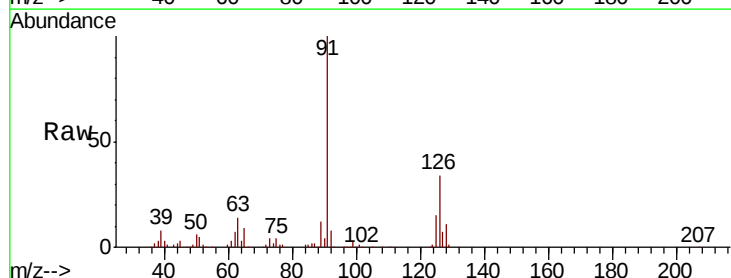
Acq: 24 Jan 2020 13:19

Tgt Ion: 91 Resp: 277768

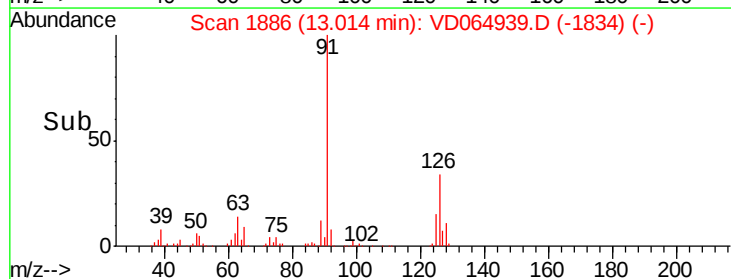
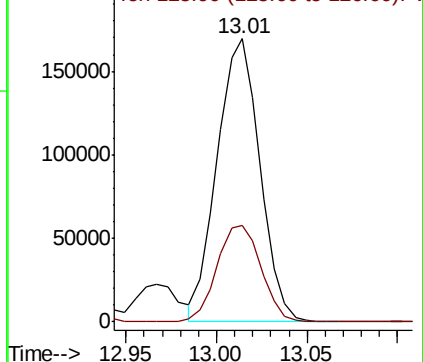
Ion Ratio Lower Upper

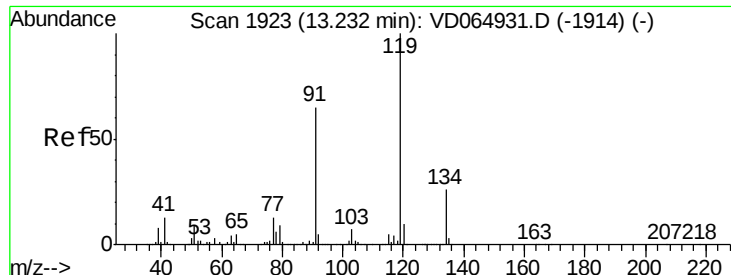
91 100

126 35.3 18.0 54.0



Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 125.90 (125.60 to 126.60): V

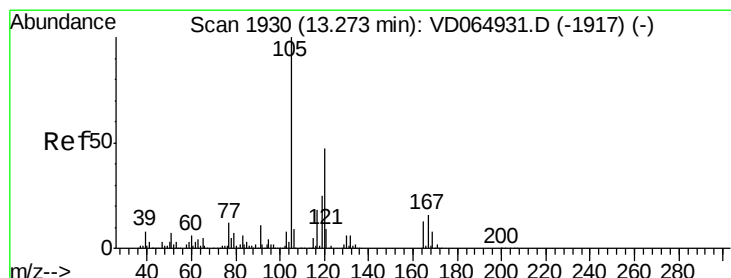
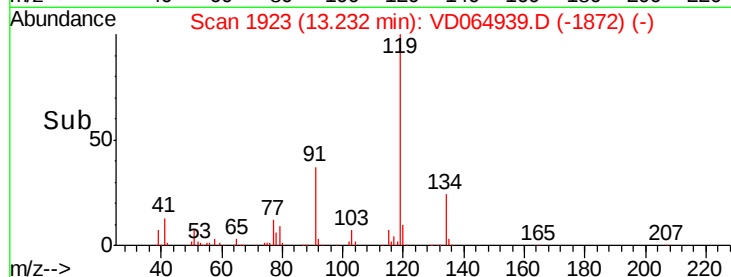
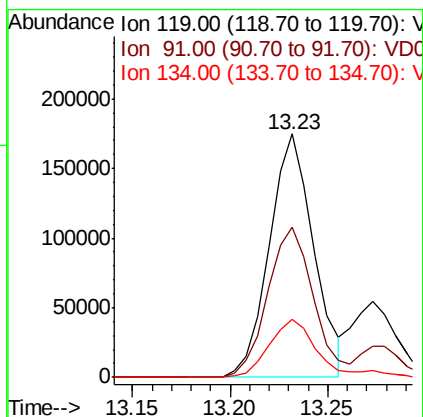
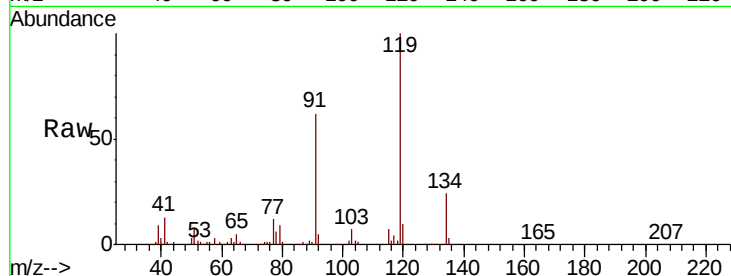




#83
tert-Butylbenzene
Concen: 20.851 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. -0.00 min
Lab File: VD064939.D
Acq: 24 Jan 2020 13:19

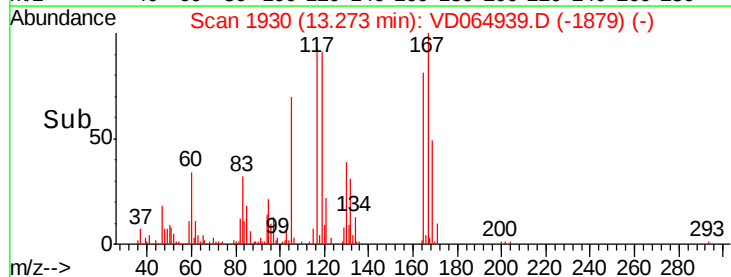
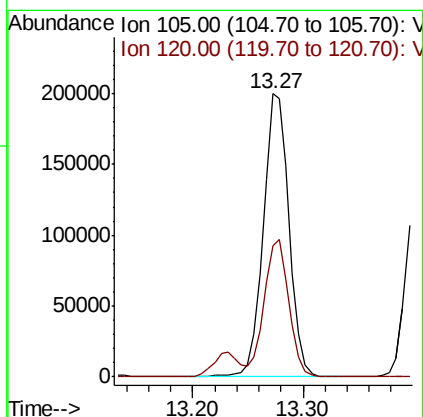
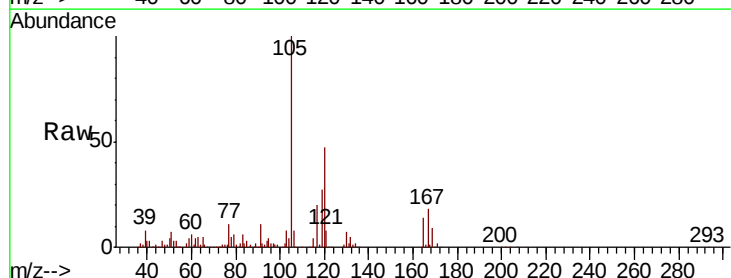
Instrument :
MSVOA_D
ClientSampleId :

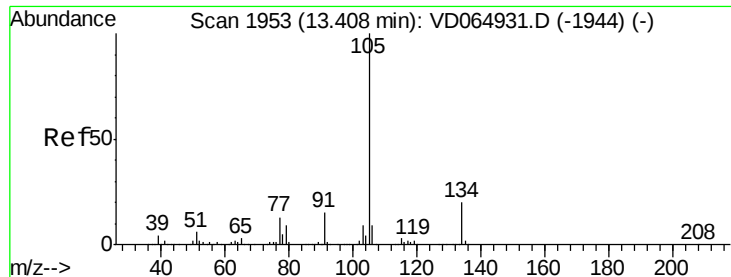
Tot Ion:119 Resp: 275225
Ion Ratio Lower Upper
119 100
91 63.9 32.0 96.0
134 26.4 13.9 41.6



#84
1,2,4-Trimethylbenzene
Concen: 20.606 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. -0.00 min
Lab File: VD064939.D
Acq: 24 Jan 2020 13:19

Tgt Ion:105 Resp: 324685
Ion Ratio Lower Upper
105 100
120 46.5 23.1 69.3





#85

sec-Butylbenzene

Concen: 20.511 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. -0.00 min

Lab File: VD064939.D

Acq: 24 Jan 2020 13:19

Instrument :

MSVOA_D

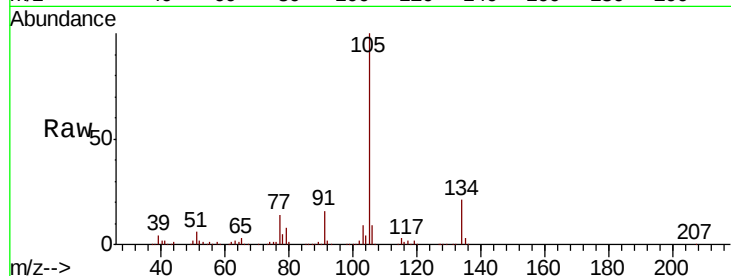
ClientSampled :

Tot Ion:105 Resp: 383342

Ion Ratio Lower Upper

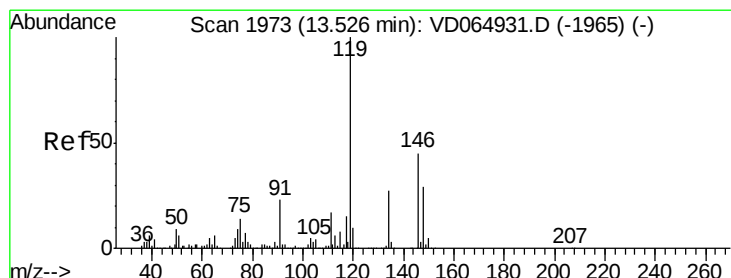
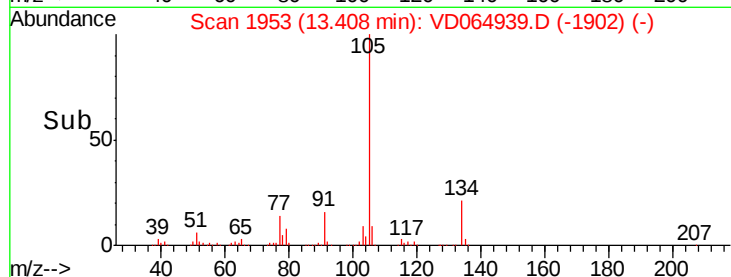
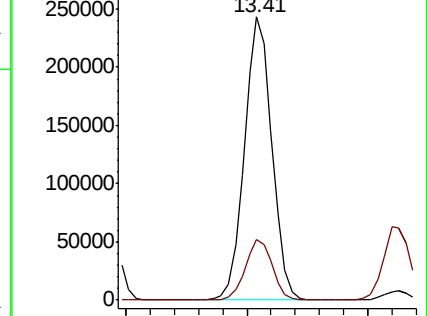
105 100

134 21.1 10.4 31.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 20.766 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. -0.00 min

Lab File: VD064939.D

Acq: 24 Jan 2020 13:19

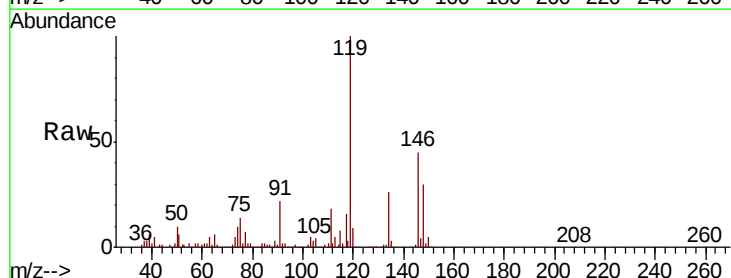
Tgt Ion:119 Resp: 363183

Ion Ratio Lower Upper

119 100

134 27.0 13.3 39.9

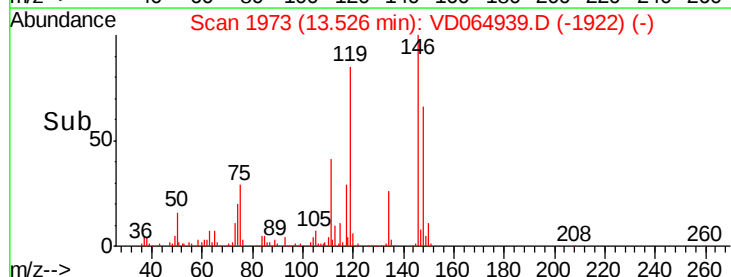
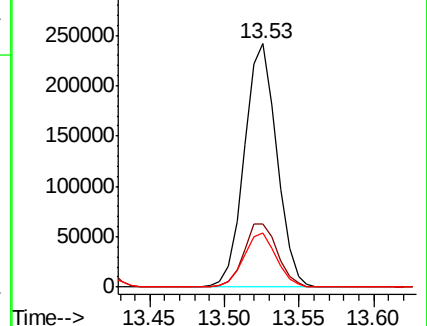
91 22.5 11.4 34.2

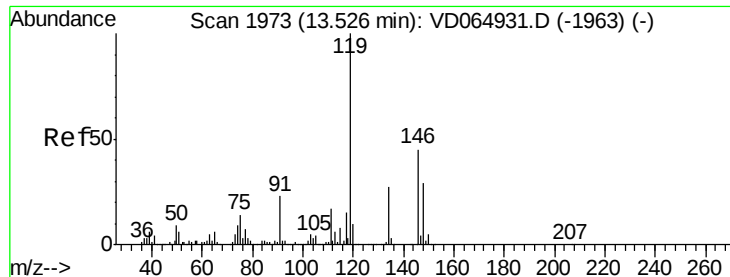


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

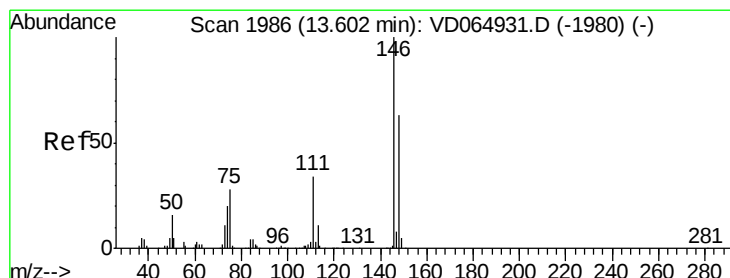
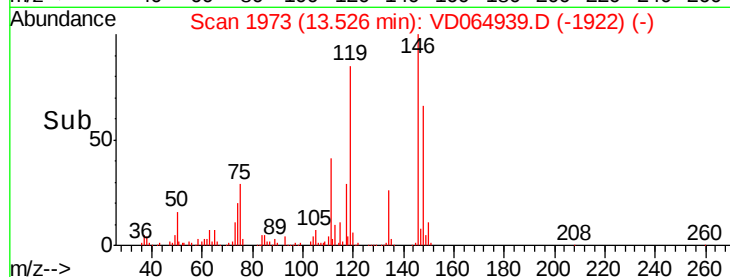
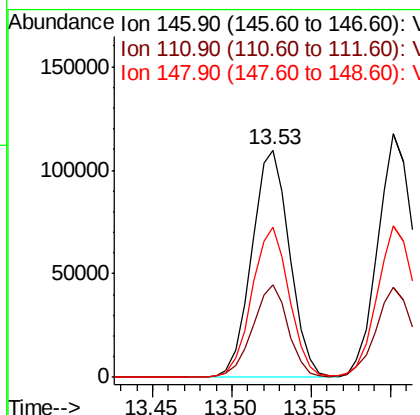
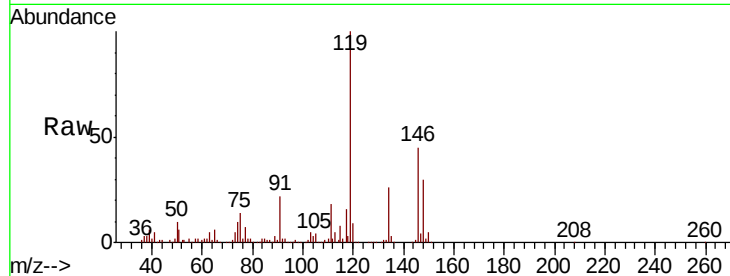




#87
 1,3-Dichlorobenzene
 Concen: 20.412 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. -0.00 min
 Lab File: VD064939.D
 Acq: 24 Jan 2020 13:19

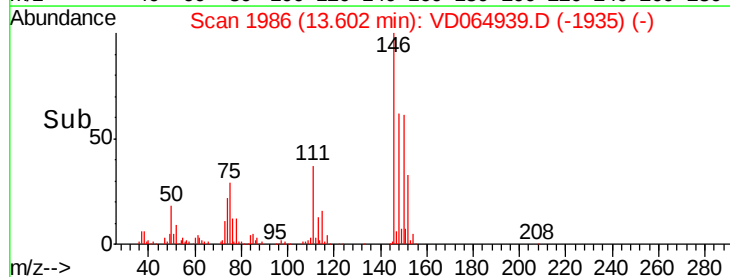
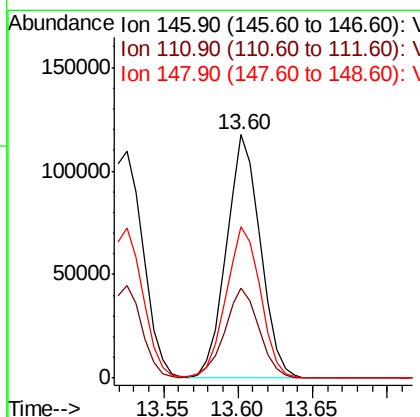
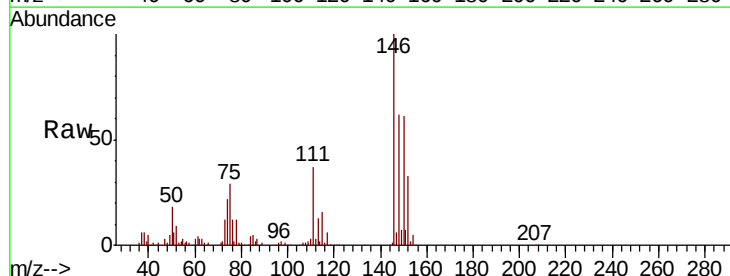
Instrument :
 MSVOA_D
 ClientSampleId :

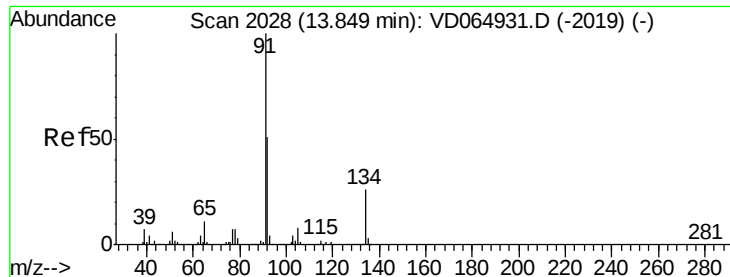
Tot Ion:146 Resp: 181880
 Ion Ratio Lower Upper
 146 100
 111 38.4 18.9 56.9
 148 65.5 32.6 97.7



#88
 1,4-Dichlorobenzene
 Concen: 21.085 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. -0.00 min
 Lab File: VD064939.D
 Acq: 24 Jan 2020 13:19

Tgt Ion:146 Resp: 186474
 Ion Ratio Lower Upper
 146 100
 111 37.7 18.2 54.6
 148 63.3 32.0 96.0

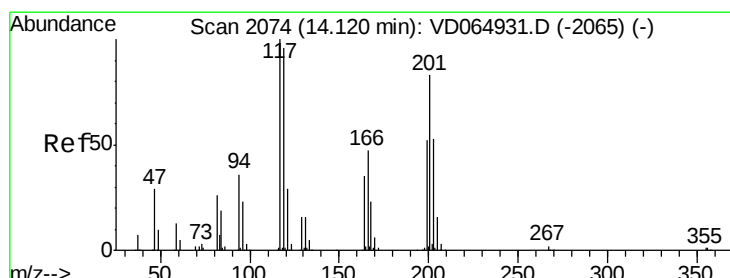
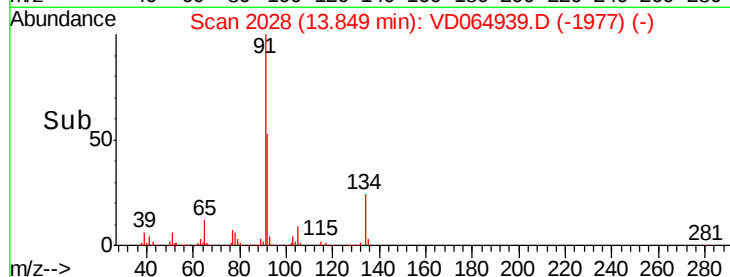
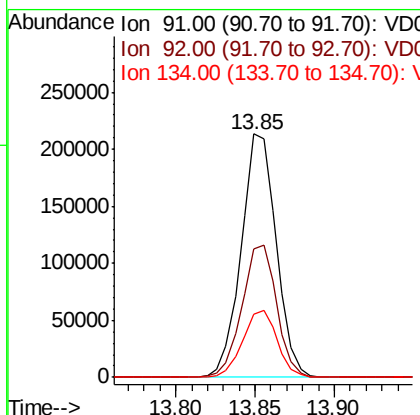
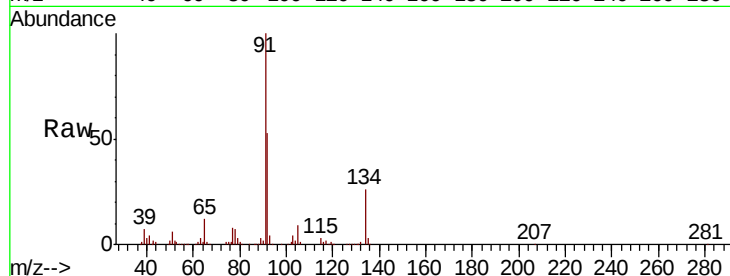




#89
n-Butylbenzene
Concen: 20.507 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. -0.00 min
Lab File: VD064939.D
Acq: 24 Jan 2020 13:19

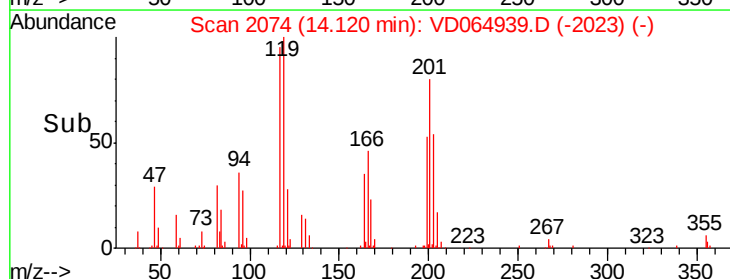
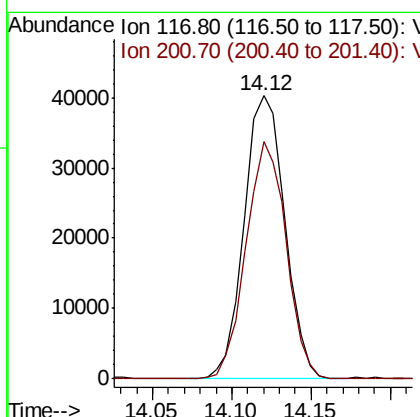
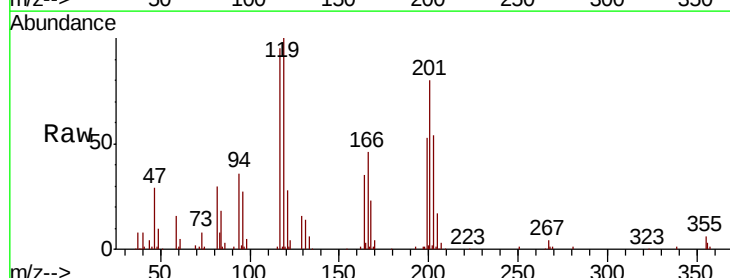
Instrument :
MSVOA_D
ClientSampleId :

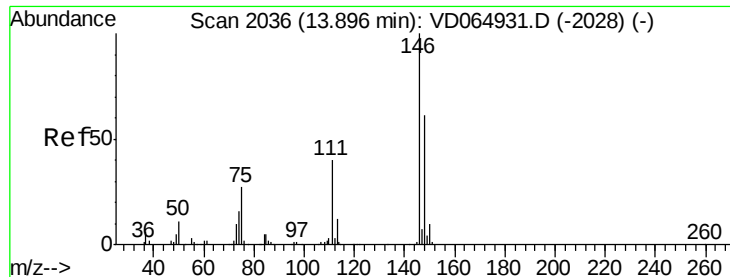
Tot Ion: 91 Resp: 327298
Ion Ratio Lower Upper
91 100
92 53.8 26.4 79.0
134 27.3 13.3 39.9



#90
Hexachloroethane
Concen: 21.348 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. -0.00 min
Lab File: VD064939.D
Acq: 24 Jan 2020 13:19

Tgt Ion: 117 Resp: 72000
Ion Ratio Lower Upper
117 100
201 82.6 41.1 123.3

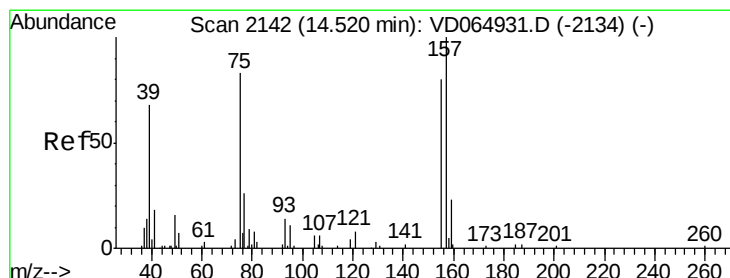
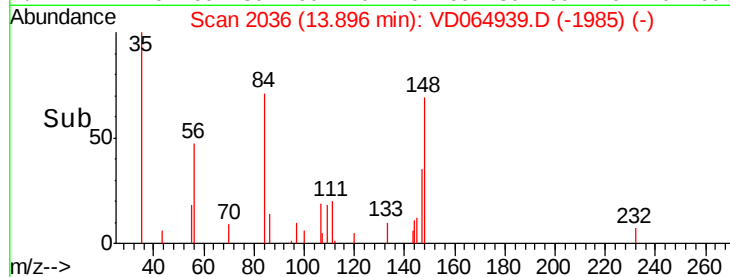
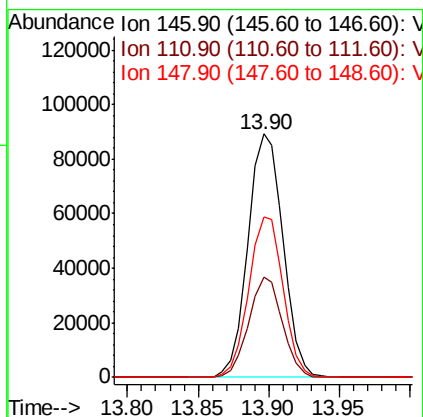
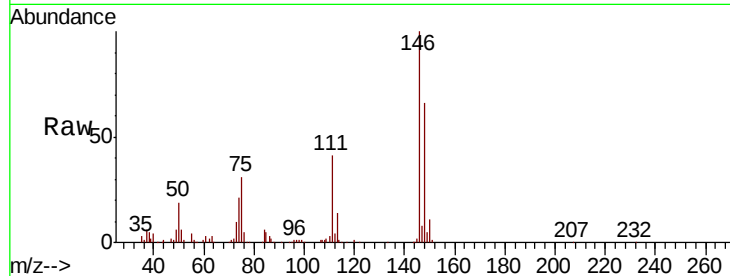




#91
 1,2-Dichlorobenzene
 Concen: 20.540 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. -0.00 min
 Lab File: VD064939.D
 Acq: 24 Jan 2020 13:19

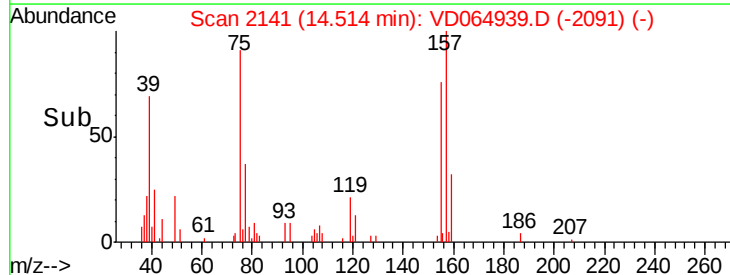
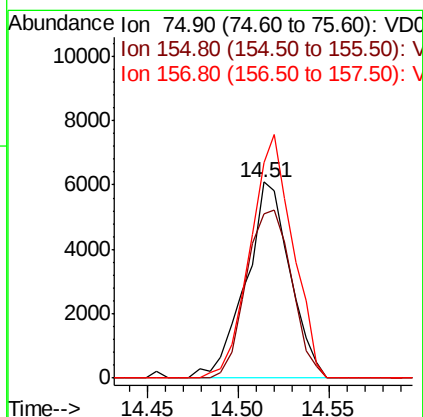
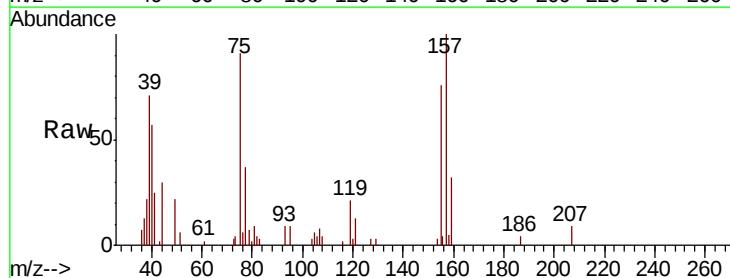
Instrument :
 MSVOA_D
 ClientSampleID :

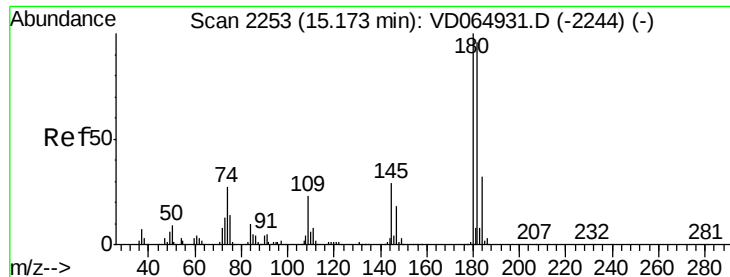
Tot Ion:146 Resp: 155380
 Ion Ratio Lower Upper
 146 100
 111 39.7 19.4 58.2
 148 64.8 31.6 95.0



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.225 ug/l
 RT: 14.51 min Scan# 2141
 Delta R.T. -0.01 min
 Lab File: VD064939.D
 Acq: 24 Jan 2020 13:19

Tgt Ion: 75 Resp: 10325
 Ion Ratio Lower Upper
 75 100
 155 87.9 44.9 134.7
 157 119.0 58.9 176.6

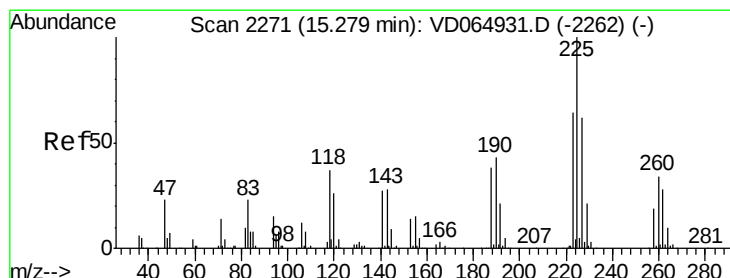
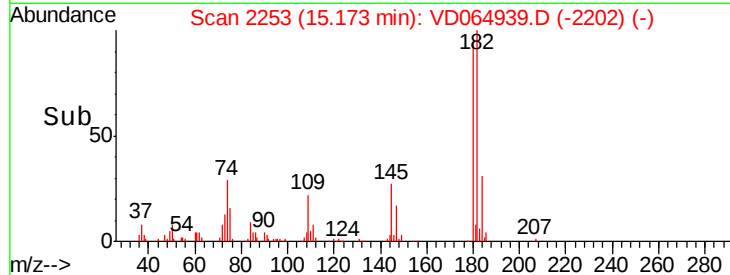
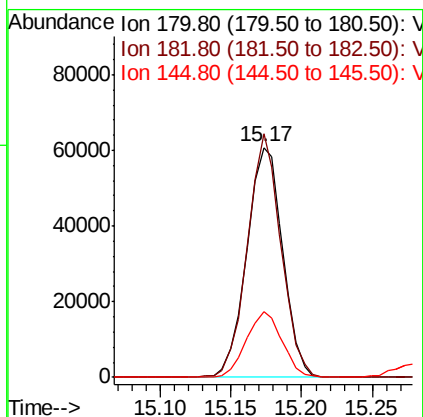
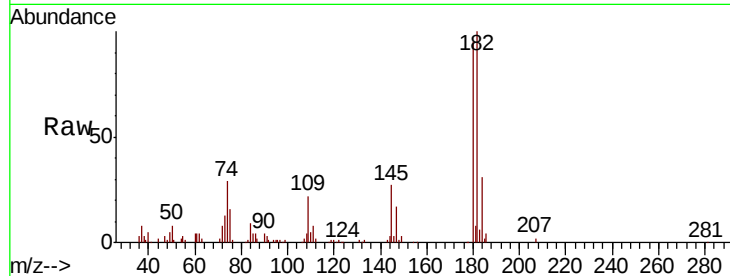




#93
 1,2,4-Trichlorobenzene
 Concen: 20.718 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. -0.00 min
 Lab File: VD064939.D
 Acq: 24 Jan 2020 13:19

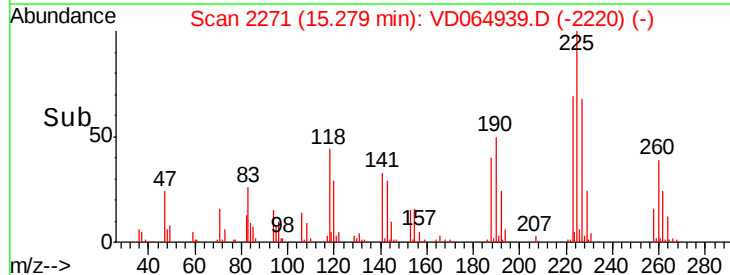
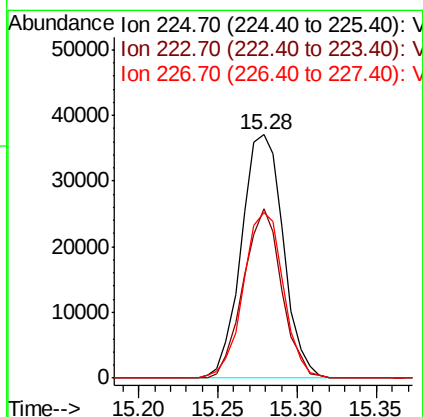
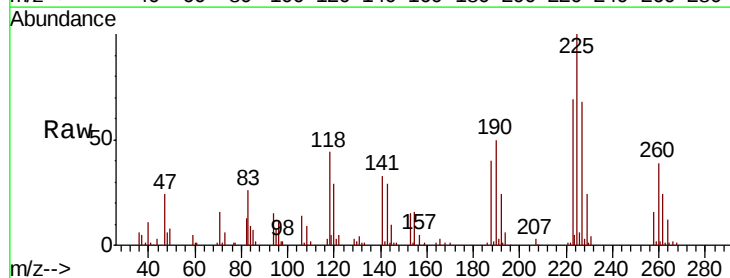
Instrument :
 MSVOA_D
 ClientSampleId :

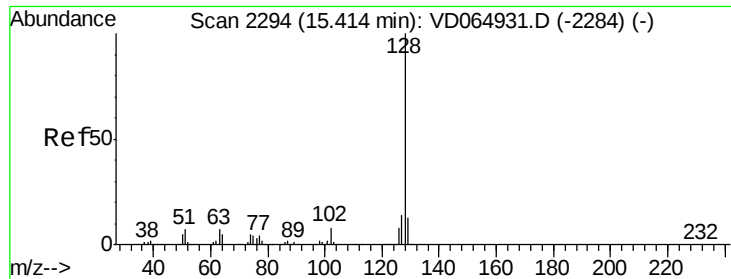
Tot Ion	Ratio	Lower	Upper
180	100		
182	99.1	47.1	141.4
145	28.3	14.1	42.3



#94
 Hexachlorobutadiene
 Concen: 20.495 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. -0.00 min
 Lab File: VD064939.D
 Acq: 24 Jan 2020 13:19

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.8	32.4	97.2
227	65.4	31.9	95.9

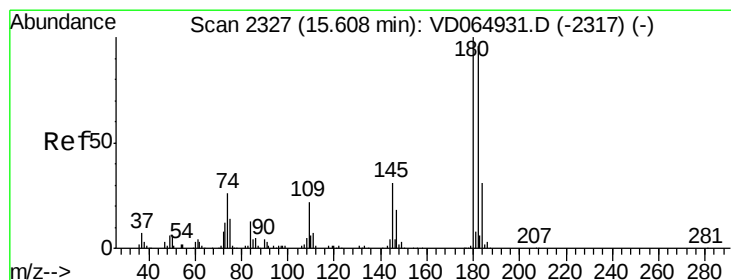
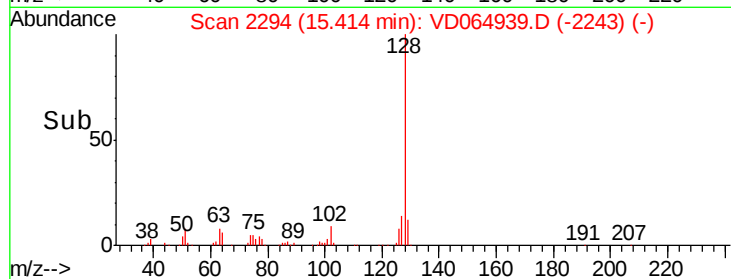
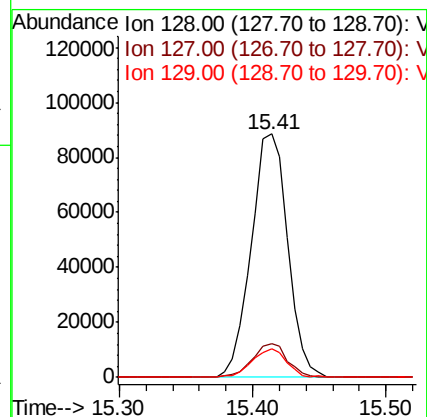
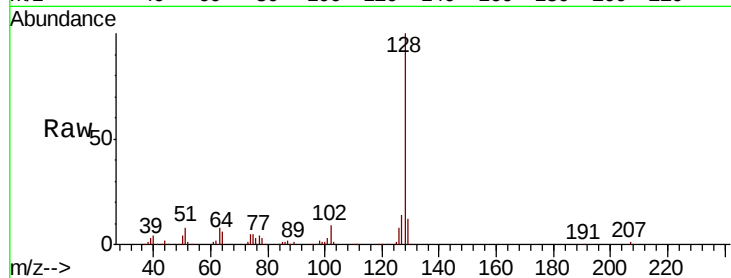




#95
Naphthalene
Concen: 19.771 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. -0.00 min
Lab File: VD064939.D
Acq: 24 Jan 2020 13:19

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.5	10.6	15.8
129	11.0	9.3	13.9



#96
1,2,3-Trichlorobenzene
Concen: 20.801 ug/l
RT: 15.60 min Scan# 2326
Delta R.T. -0.01 min
Lab File: VD064939.D
Acq: 24 Jan 2020 13:19

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.4	47.3	141.8
145	29.6	14.6	43.8

