

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD111119\
 Data File : VD064176.D
 Acq On : 11 Nov 2019 14:21
 Operator : VA/SY
 Sample : VD1111SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Nov 12 02:47:14 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110819S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 12 02:43:24 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	666658	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	953843	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	822094	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	393460	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	272386	49.68	ug/l	0.00
Spiked Amount			Recovery	=	99.36%	
35) Dibromofluoromethane	7.92	113	265399	48.47	ug/l	0.00
Spiked Amount			Recovery	=	96.94%	
50) Toluene-d8	10.34	98	1016667	49.22	ug/l	0.00
Spiked Amount			Recovery	=	98.44%	
62) 4-Bromofluorobenzene	12.64	95	343085	47.96	ug/l	0.00
Spiked Amount			Recovery	=	95.92%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	109323	19.772	ug/l	99
3) Chloromethane	2.21	50	133025	22.430	ug/l	99
4) Vinyl Chloride	2.35	62	137503	21.681	ug/l	97
5) Bromomethane	2.76	94	93446	23.334	ug/l	96
6) Chloroethane	2.92	64	86160	21.261	ug/l	99
7) Trichlorofluoromethane	3.27	101	221271	21.520	ug/l	100
8) Diethyl Ether	3.71	74	59365	20.998	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	4.08	101	116283	19.786	ug/l	98
10) Methyl Iodide	4.29	142	114310	18.378	ug/l	95
11) Tert butyl alcohol	5.26	59	41039	107.164	ug/l	100
12) 1,1-Dichloroethene	4.06	96	115969	20.702	ug/l	90
13) Acrolein	3.92	56	29243	90.265	ug/l	96
14) Allyl chloride	4.71	41	207151	20.915	ug/l	99
15) Acrylonitrile	5.43	53	126866	105.258	ug/l	99
16) Acetone	4.17	43	123483	95.068	ug/l	100
17) Carbon Disulfide	4.40	76	359992	20.636	ug/l	100
18) Methyl Acetate	4.73	43	73551	20.274	ug/l	98
19) Methyl tert-butyl Ether	5.48	73	275354	20.590	ug/l	99
20) Methylene Chloride	4.96	84	131334	20.017	ug/l	97
21) trans-1,2-Dichloroethene	5.46	96	131266	20.683	ug/l	96
22) Diisopropyl ether	6.37	45	376834	20.506	ug/l	98
23) Vinyl Acetate	6.31	43	1093393	106.737	ug/l	100
24) 1,1-Dichloroethane	6.27	63	221892	20.796	ug/l	99
25) 2-Butanone	7.22	43	177195	105.593	ug/l	97
26) 2,2-Dichloropropane	7.21	77	218773	20.907	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	143302	21.055	ug/l	98
28) Bromochloromethane	7.55	49	64804	17.445	ug/l	96
29) Tetrahydrofuran	7.57	42	105202	104.342	ug/l	99
30) Chloroform	7.71	83	237071	21.721	ug/l	97
31) Cyclohexane	7.98	56	214790	19.960	ug/l	98
32) 1,1,1-Trichloroethane	7.90	97	217527	20.814	ug/l	100
36) 1,1-Dichloropropene	8.11	75	177764	20.193	ug/l	100
37) Ethyl Acetate	7.30	43	72840	19.627	ug/l	95
38) Carbon Tetrachloride	8.09	117	190324	20.205	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	221176	19.856	ug/l	98
40) Benzene	8.35	78	487021	20.243	ug/l	99
41) Methacrylonitrile	7.53	41	44887	19.244	ug/l	92
42) 1,2-Dichloroethane	8.43	62	148787	20.591	ug/l	98
43) Isopropyl Acetate	8.46	43	156766	20.501	ug/l	99
44) Trichloroethene	9.11	130	146357	20.268	ug/l	96
45) 1,2-Dichloropropane	9.39	63	118404	20.219	ug/l	94
46) Dibromomethane	9.48	93	64079	20.440	ug/l	99
47) Bromodichloromethane	9.67	83	174176	20.626	ug/l	99
48) Methyl methacrylate	9.46	41	72870	19.489	ug/l	99
49) 1,4-Dioxane	9.47	88	15255	405.164	ug/l	97
51) 4-Methyl-2-Pentanone	10.23	43	380785	103.845	ug/l	99
52) Toluene	10.40	92	318330	20.122	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	171675	20.292	ug/l	99
54) cis-1,3-Dichloropropene	10.09	75	203225	20.586	ug/l	98
55) 1,1,2-Trichloroethane	10.81	97	85059	20.000	ug/l	97
56) Ethyl methacrylate	10.66	69	120747	20.296	ug/l	96
57) 1,3-Dichloropropane	10.95	76	152652	20.581	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	238334	98.899	ug/l	99
59) 2-Hexanone	10.99	43	265950	101.944	ug/l	99
60) Dibromochloromethane	11.14	129	119119	20.073	ug/l	99
61) 1,2-Dibromoethane	11.25	107	87071	20.441	ug/l	98
64) Tetrachloroethene	10.88	164	127182	20.115	ug/l	97
65) Chlorobenzene	11.67	112	339740	20.323	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.74	131	127006	19.980	ug/l	99
67) Ethyl Benzene	11.75	91	616989	20.404	ug/l	98
68) m/p-Xylenes	11.86	106	464528	40.078	ug/l	99
69) o-Xylene	12.18	106	215410	20.039	ug/l	98
70) Styrene	12.20	104	375469	20.010	ug/l	100
71) Bromoform	12.37	173	74344	20.551	ug/l #	100
73) Isopropylbenzene	12.48	105	598776	20.733	ug/l	99
74) N-amyl acetate	12.29	43	143689	21.069	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	93732	21.539	ug/l	98
76) 1,2,3-Trichloropropane	12.78	75	125760	39.682	ug/l #	100
77) Bromobenzene	12.77	156	142631	20.329	ug/l	97
78) n-propylbenzene	12.83	91	688233	20.858	ug/l	100
79) 2-Chlorotoluene	12.91	91	381797	20.495	ug/l	99
80) 1,3,5-Trimethylbenzene	12.96	105	487526	20.544	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	33016	20.694	ug/l	99
82) 4-Chlorotoluene	13.01	91	403558	20.770	ug/l	99
83) tert-Butylbenzene	13.23	119	426893	20.401	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	483410	20.634	ug/l	100
85) sec-Butylbenzene	13.41	105	582029	20.710	ug/l	100
86) p-Isopropyltoluene	13.52	119	545123	20.402	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	261177	20.053	ug/l	100
88) 1,4-Dichlorobenzene	13.60	146	260184	20.469	ug/l	97
89) n-Butylbenzene	13.85	91	493779	20.456	ug/l	99
90) Hexachloroethane	14.12	117	101831	20.622	ug/l	98
91) 1,2-Dichlorobenzene	13.90	146	223694	20.292	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	15304	19.670	ug/l	97

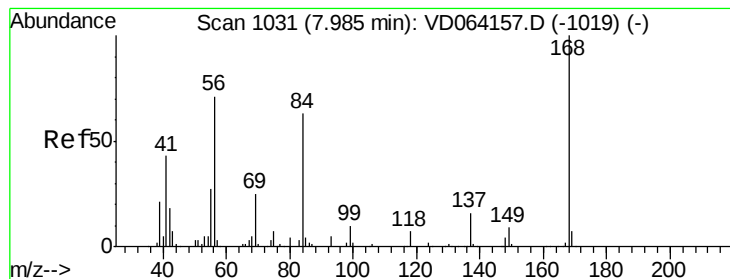
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	175856	20.680	ug/l	99
94) Hexachlorobutadiene	15.27	225	107341	19.543	ug/l	96
95) Naphthalene	15.41	128	284421	20.404	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	147871	20.457	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD064176.D

Acq: 11 Nov 2019 14:21

Instrument :

MSVOA_D

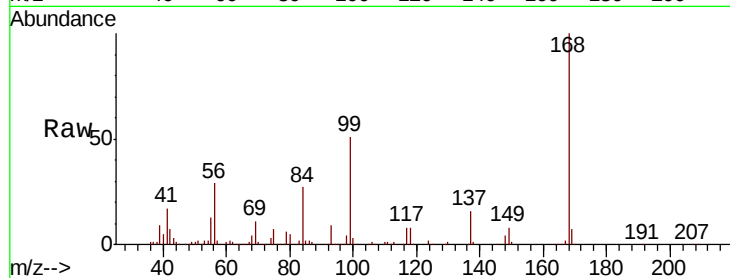
ClientSampleId :

Tot Ion:168 Resp: 666658

Ion Ratio Lower Upper

168 100

99 50.9 41.6 62.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

300000

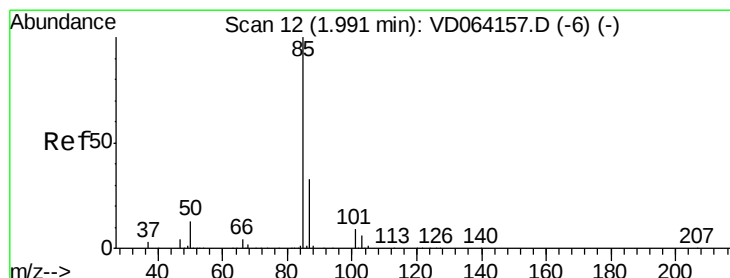
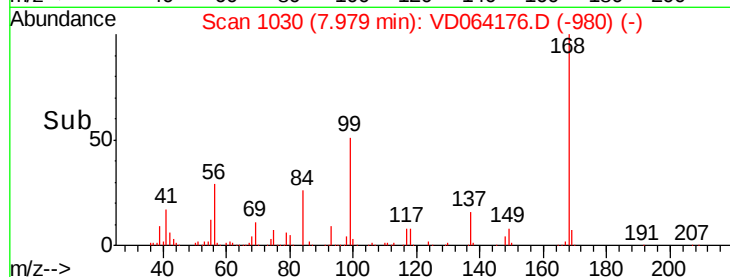
200000

100000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 19.772 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD064176.D

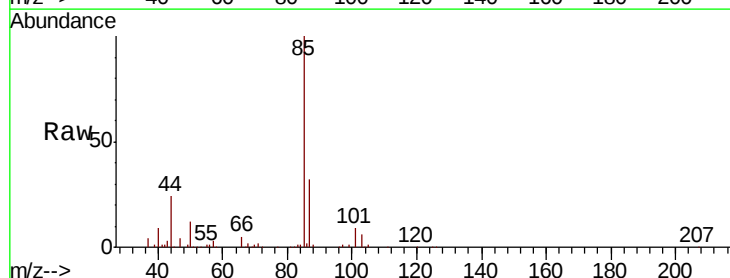
Acq: 11 Nov 2019 14:21

Tgt Ion: 85 Resp: 109323

Ion Ratio Lower Upper

85 100

87 32.0 16.4 49.2



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

80000

60000

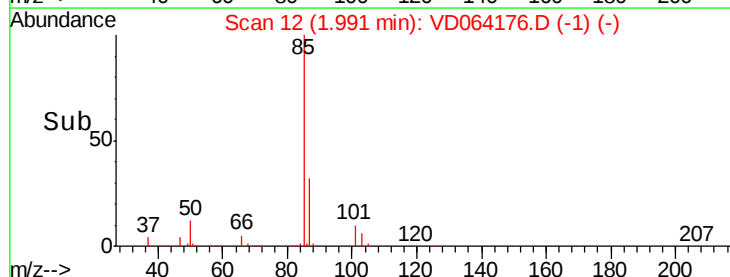
40000

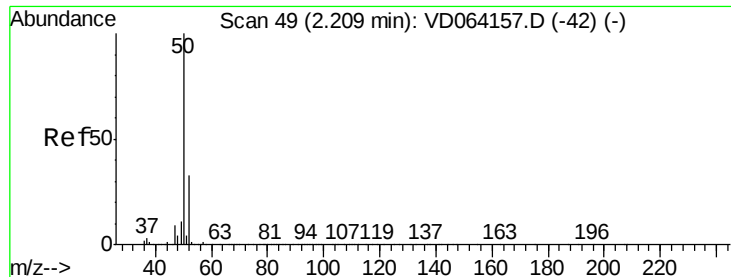
20000

0

1.90 1.95 2.00 2.05 2.10

Time-->





#3

Chloromethane

Concen: 22.430 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD064176.D

Acq: 11 Nov 2019 14:21

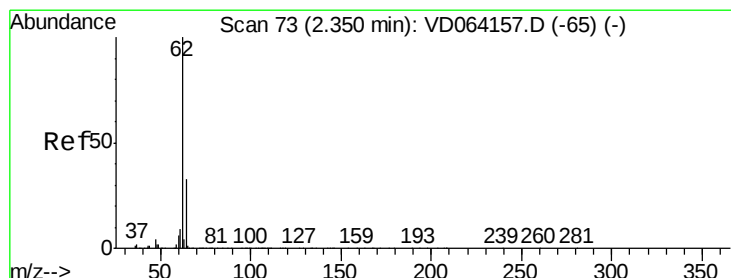
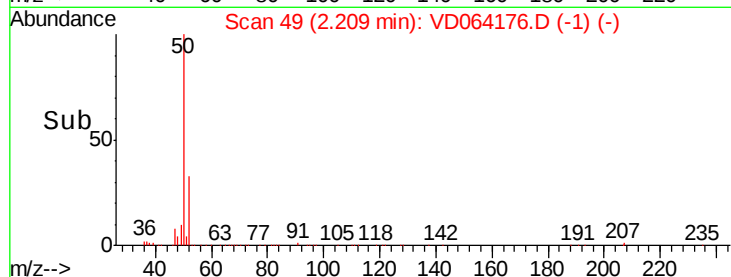
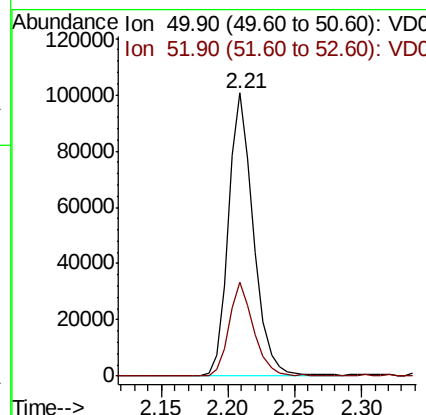
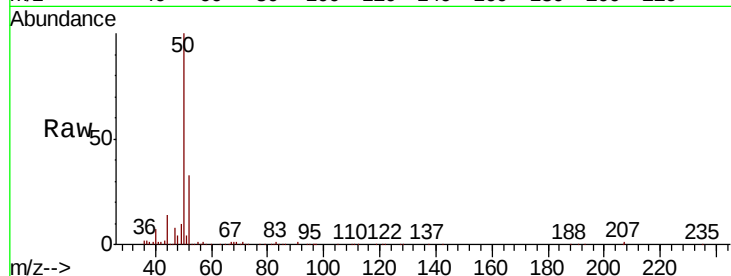
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 50 Resp: 133025

Ion Ratio Lower Upper

50 100

52 33.2 26.2 39.4



#4

Vinyl Chloride

Concen: 21.681 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD064176.D

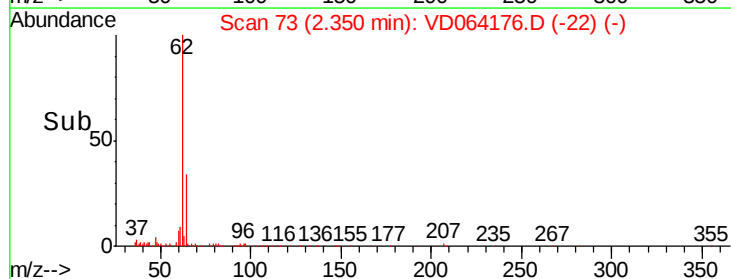
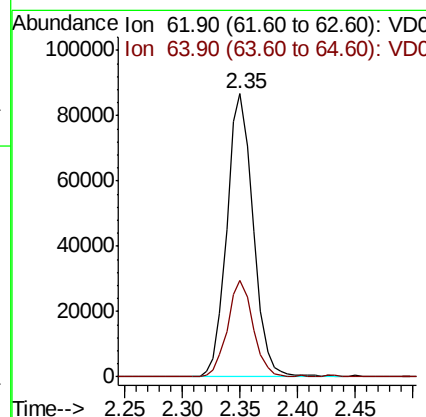
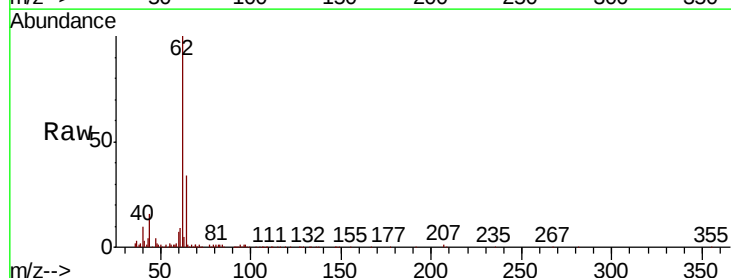
Acq: 11 Nov 2019 14:21

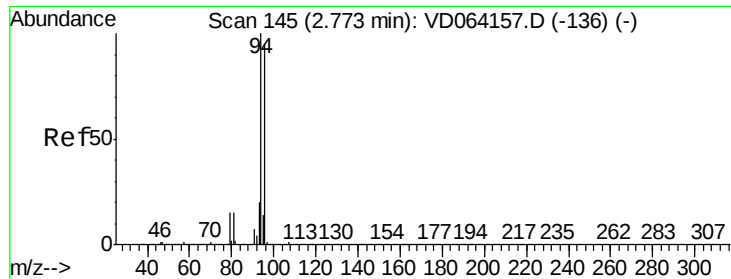
Tgt Ion: 62 Resp: 137503

Ion Ratio Lower Upper

62 100

64 34.3 26.2 39.2





#5

Bromomethane

Concen: 23.334 ug/l

RT: 2.76 min Scan# 143

Delta R.T. -0.01 min

Lab File: VD064176.D

Acq: 11 Nov 2019 14:21

Instrument :

MSVOA_D

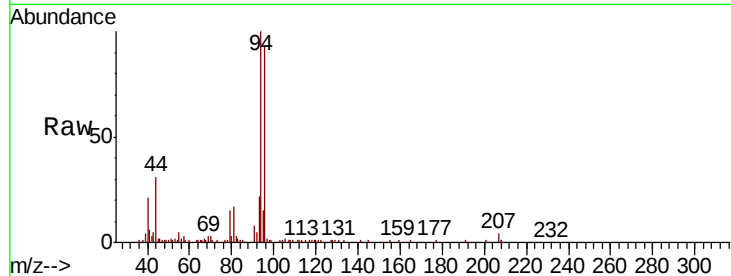
ClientSampleId :

Tot Ion: 94 Resp: 93446

Ion Ratio Lower Upper

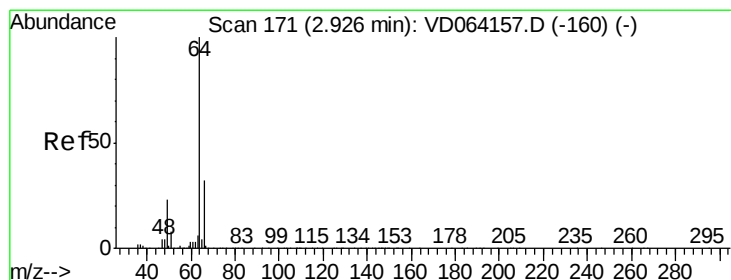
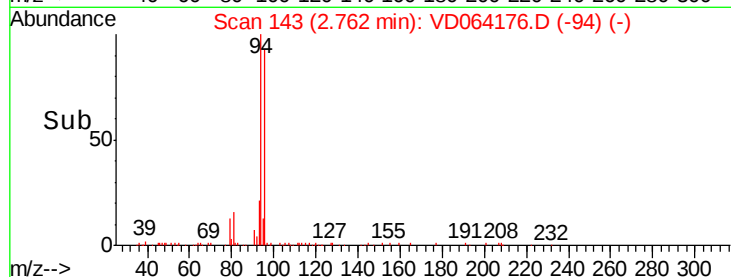
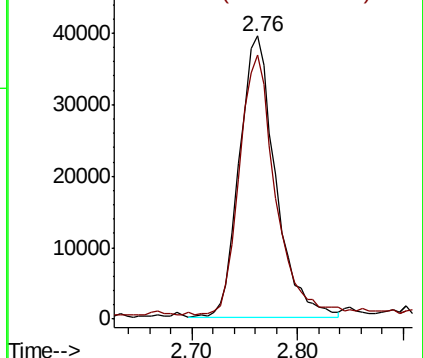
94 100

96 91.3 76.2 114.4



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 21.261 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.01 min

Lab File: VD064176.D

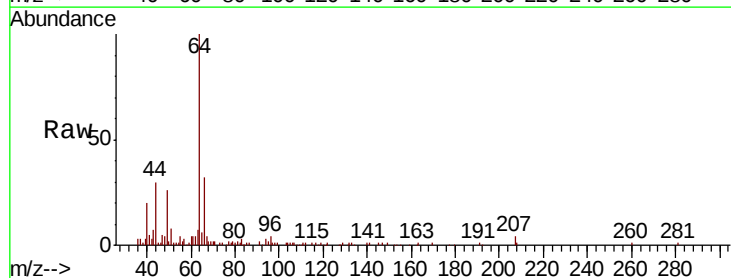
Acq: 11 Nov 2019 14:21

Tgt Ion: 64 Resp: 86160

Ion Ratio Lower Upper

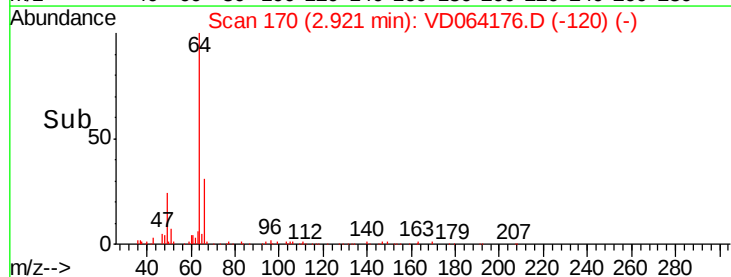
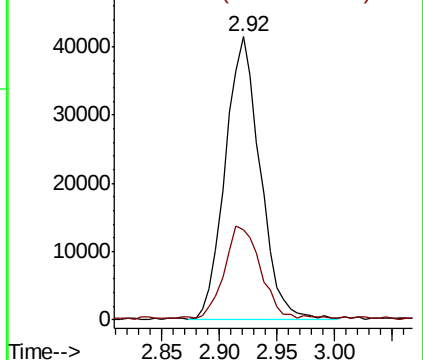
64 100

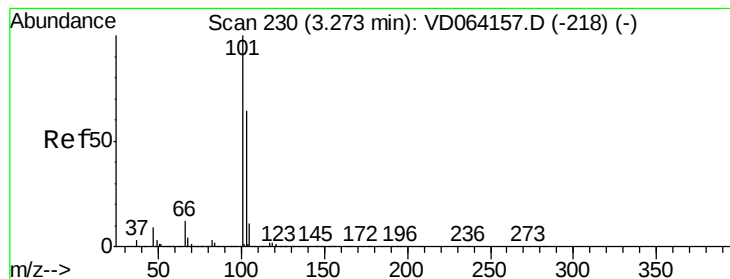
66 31.6 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC



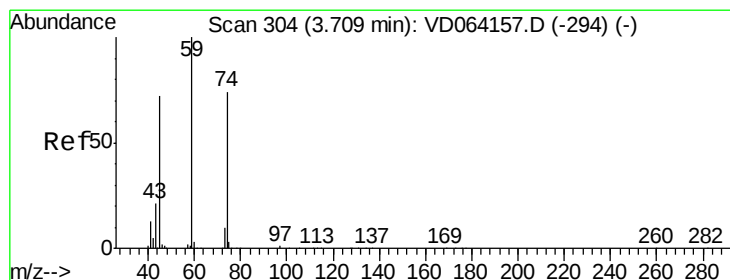
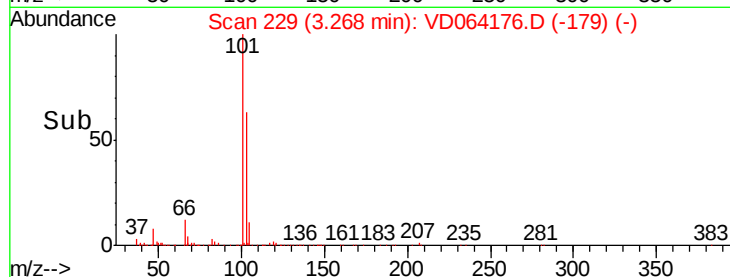
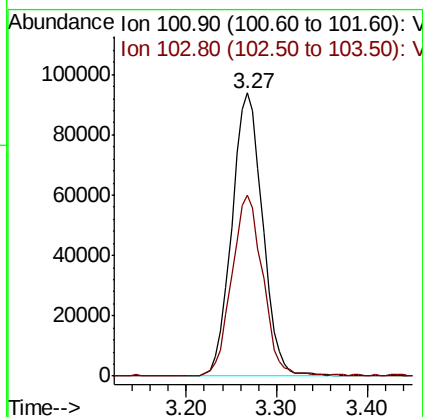
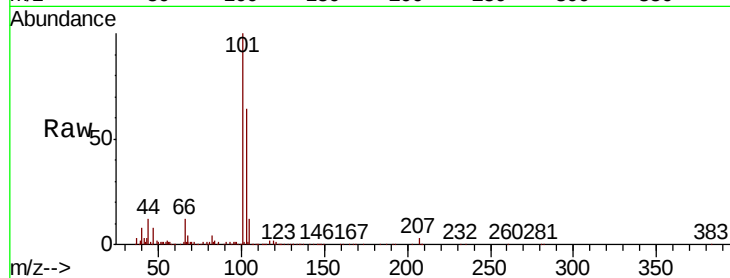


#7

Trichlorofluoromethane
 Concen: 21.520 ug/l
 RT: 3.27 min Scan# 229
 Delta R.T. -0.01 min
 Lab File: VD064176.D
 Acq: 11 Nov 2019 14:21

Instrument :
 MSVOA_D
 ClientSampleId :

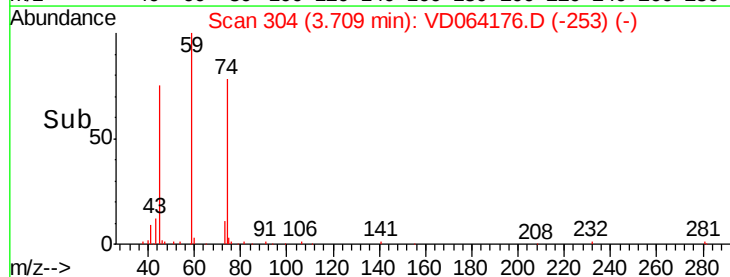
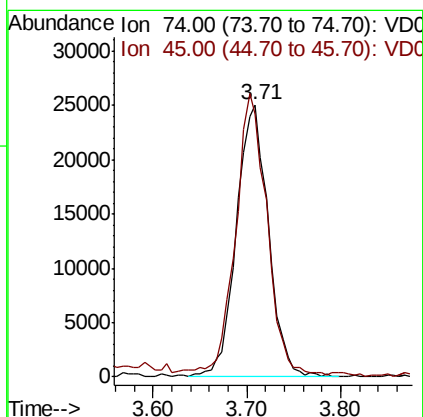
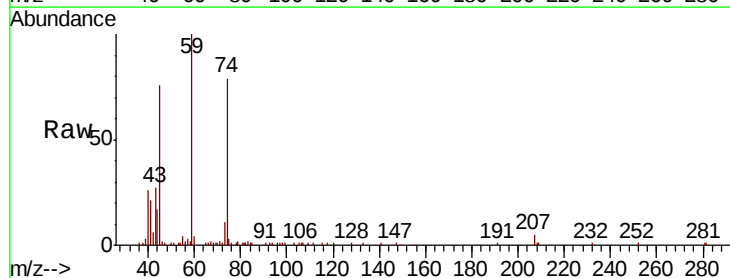
Tot Ion:101 Resp: 221271
 Ion Ratio Lower Upper
 101 100
 103 63.6 50.8 76.2



#8

Diethyl Ether
 Concen: 20.998 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. 0.00 min
 Lab File: VD064176.D
 Acq: 11 Nov 2019 14:21

Tgt Ion: 74 Resp: 59365
 Ion Ratio Lower Upper
 74 100
 45 100.8 47.9 143.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.786 ug/l

RT: 4.08 min Scan# 367

Delta R.T. -0.01 min

Lab File: VD064176.D

Acq: 11 Nov 2019 14:21

Instrument :

MSVOA_D

ClientSampled :

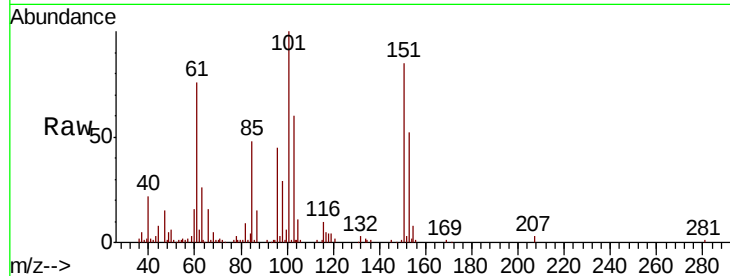
Tot Ion:101 Resp: 116283

Ion Ratio Lower Upper

101 100

85 46.3 34.4 51.6

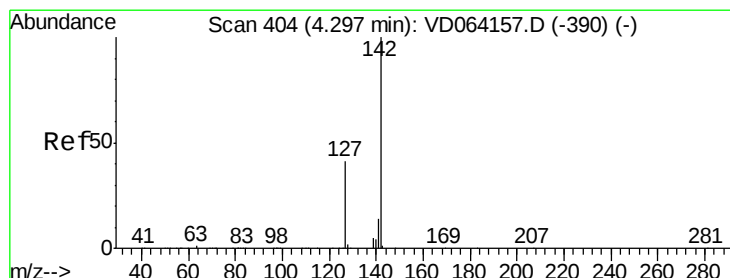
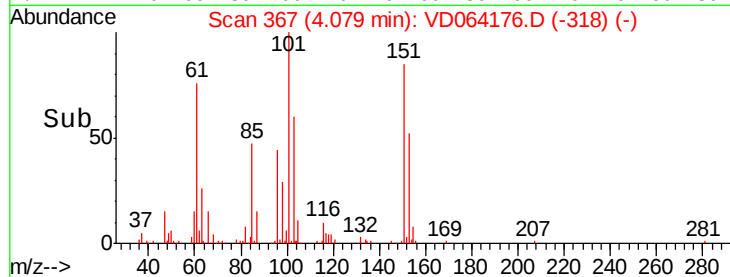
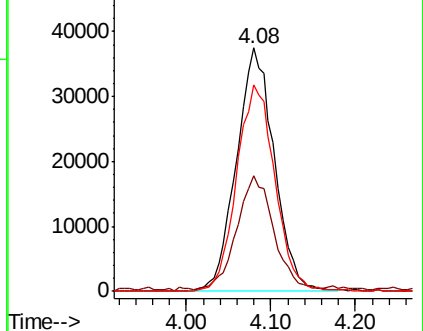
151 85.9 68.1 102.1



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: 18.378 ug/l

RT: 4.29 min Scan# 403

Delta R.T. -0.00 min

Lab File: VD064176.D

Acq: 11 Nov 2019 14:21

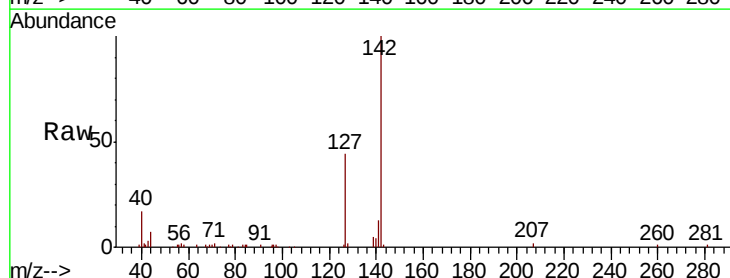
Tgt Ion:142 Resp: 114310

Ion Ratio Lower Upper

142 100

127 46.9 34.4 51.6

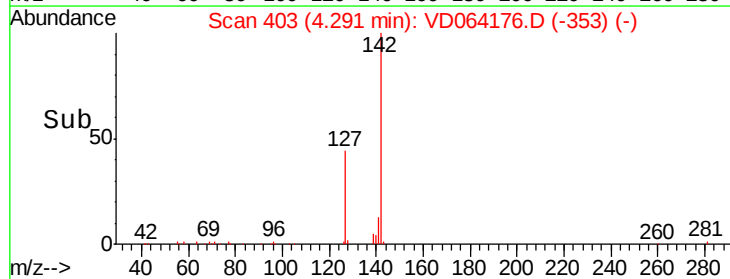
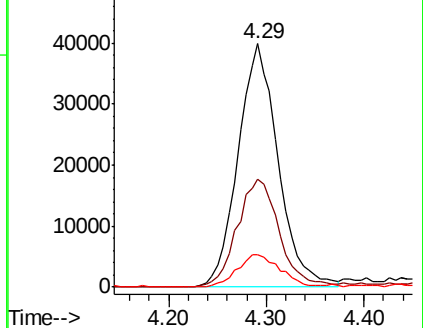
141 14.3 11.2 16.8



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

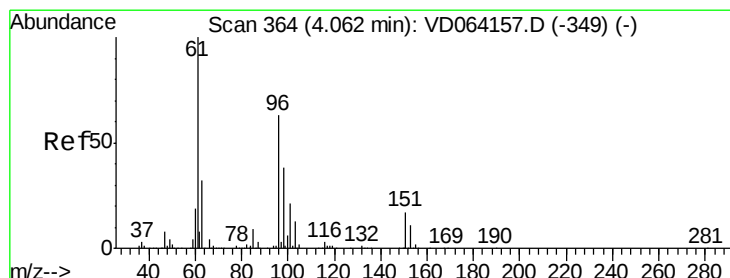
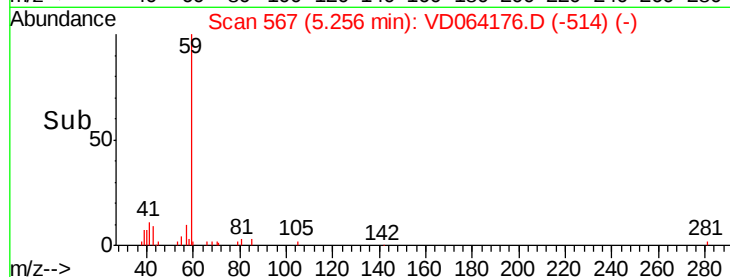
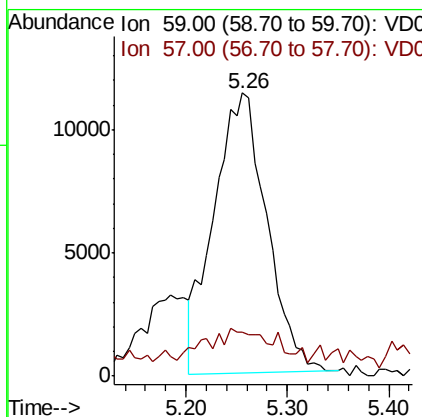
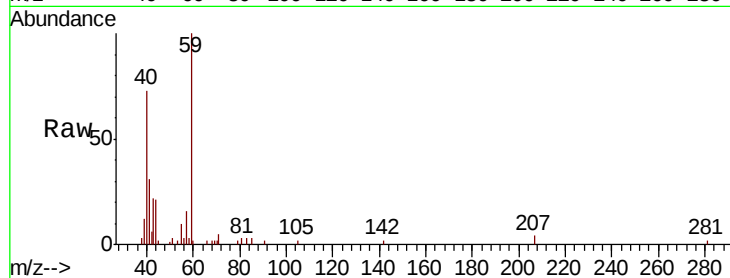




#11
Tert butyl alcohol
Concen: 107.164 ug/l
RT: 5.26 min Scan# 567
Delta R.T. 0.01 min
Lab File: VD064176.D
Acq: 11 Nov 2019 14:21

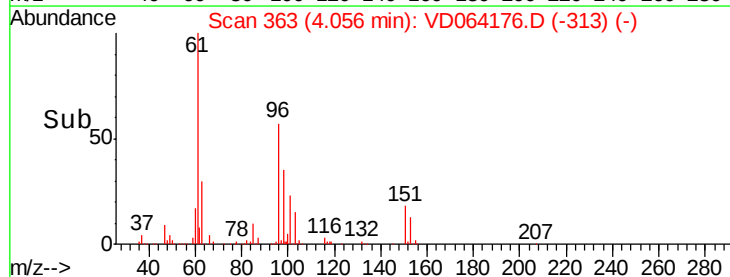
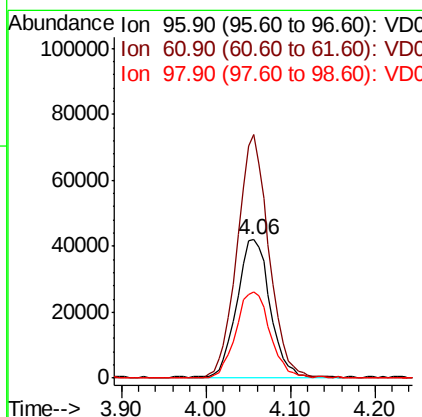
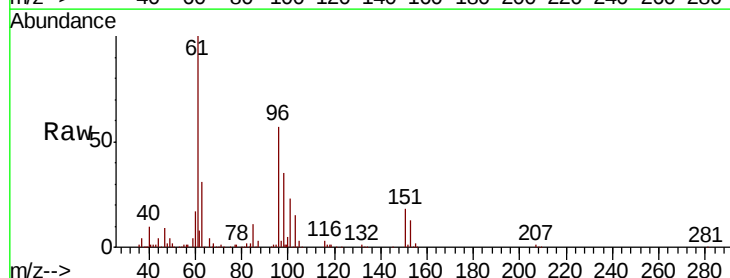
Instrument :
MSVOA_D
ClientSampled :

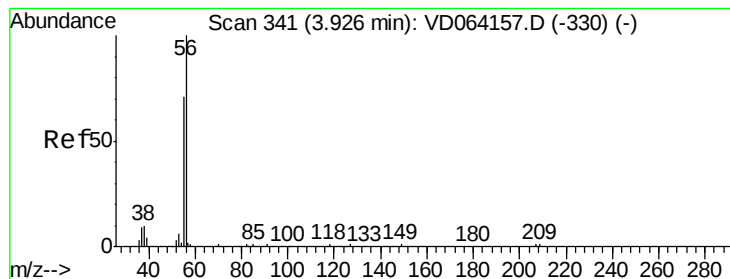
Tot Ion: 59 Resp: 41039
Ion Ratio Lower Upper
59 100
57 11.8 9.4 14.2



#12
1,1-Dichloroethene
Concen: 20.702 ug/l
RT: 4.06 min Scan# 363
Delta R.T. -0.01 min
Lab File: VD064176.D
Acq: 11 Nov 2019 14:21

Tgt Ion: 96 Resp: 115969
Ion Ratio Lower Upper
96 100
61 175.8 127.4 191.2
98 62.2 48.1 72.1





#13

Acrolein

Concen: 90.265 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.01 min

Lab File: VD064176.D

Acq: 11 Nov 2019 14:21

Instrument :

MSVOA_D

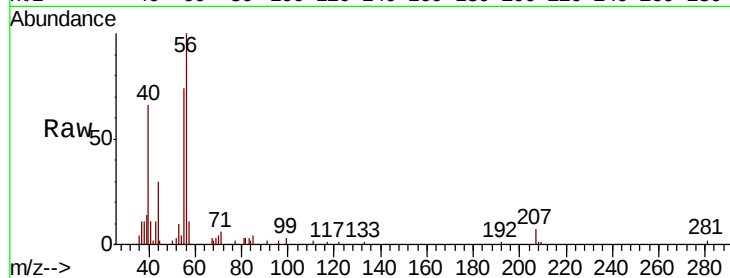
ClientSampleId :

Tot Ion: 56 Resp: 29243

Ion Ratio Lower Upper

56 100

55 73.4 56.1 84.1



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

12000

10000

8000

6000

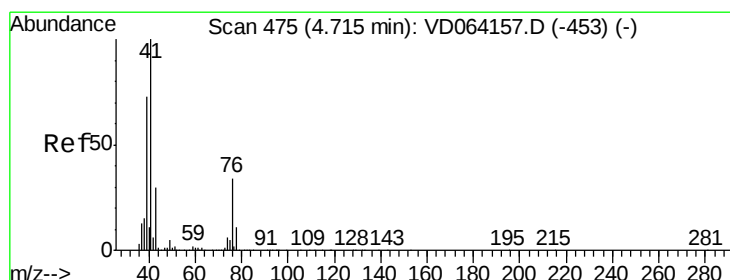
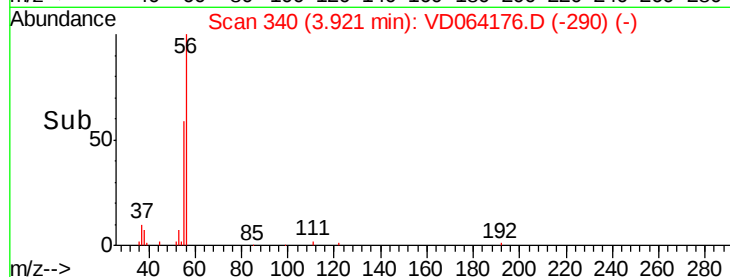
4000

2000

0

3.80 3.90 4.00

Time-->



#14

Allyl chloride

Concen: 20.915 ug/l

RT: 4.71 min Scan# 474

Delta R.T. -0.01 min

Lab File: VD064176.D

Acq: 11 Nov 2019 14:21

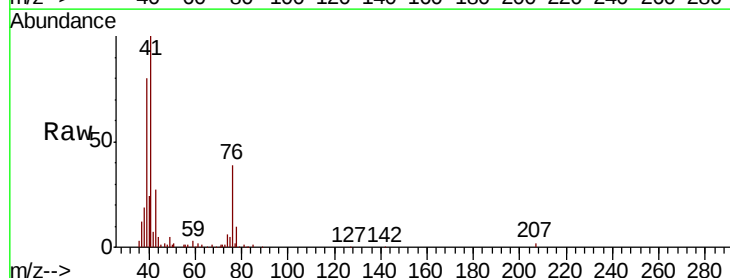
Tgt Ion: 41 Resp: 207151

Ion Ratio Lower Upper

41 100

39 71.7 57.5 86.3

76 35.3 26.8 40.2



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

80000

60000

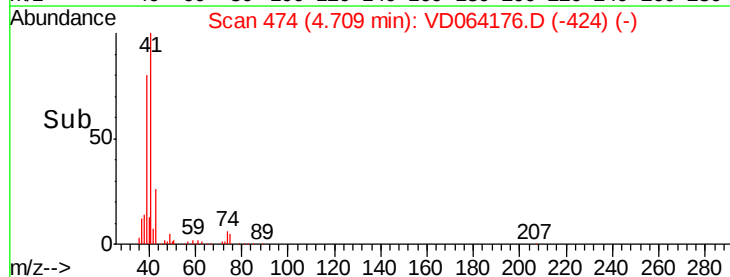
40000

20000

0

4.60 4.70 4.80

Time-->





#15

Acrylonitrile

Concen: 105.258 ug/l

RT: 5.43 min Scan# 597

Delta R.T. 0.00 min

Lab File: VD064176.D

Acq: 11 Nov 2019 14:21

Instrument :
MSVOA_D
ClientSampleId :

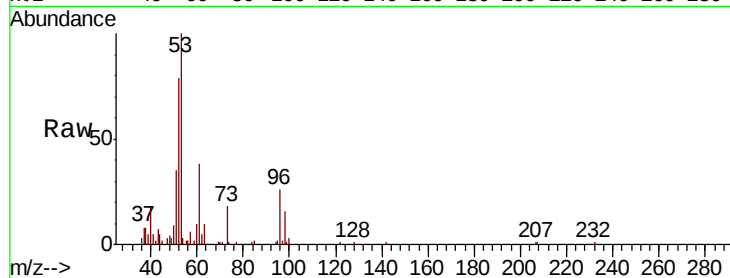
Tot Ion: 53 Resp: 126866

Ion Ratio Lower Upper

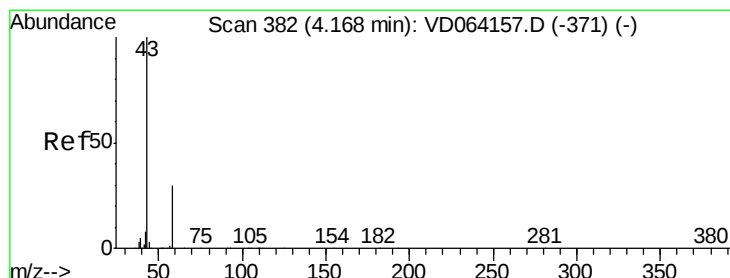
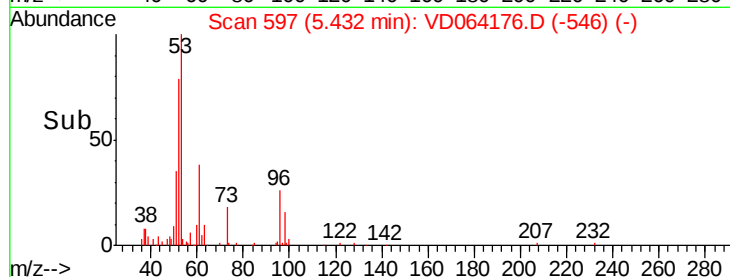
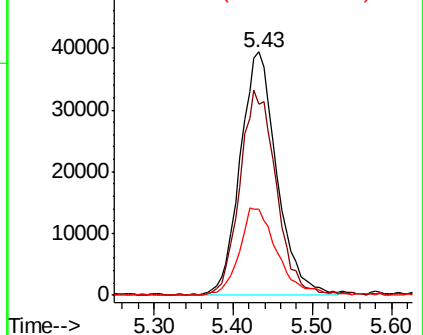
53 100

52 83.0 66.7 100.1

51 37.0 30.6 46.0



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: 95.068 ug/l

RT: 4.17 min Scan# 382

Delta R.T. 0.00 min

Lab File: VD064176.D

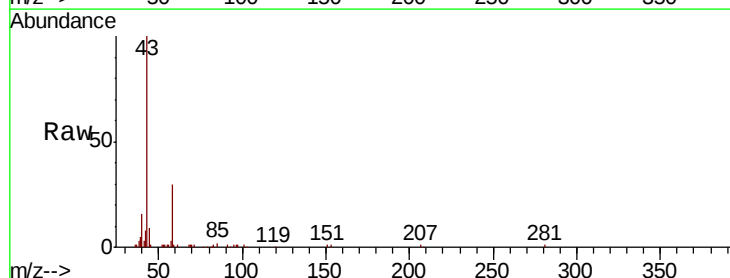
Acq: 11 Nov 2019 14:21

Tgt Ion: 43 Resp: 123483

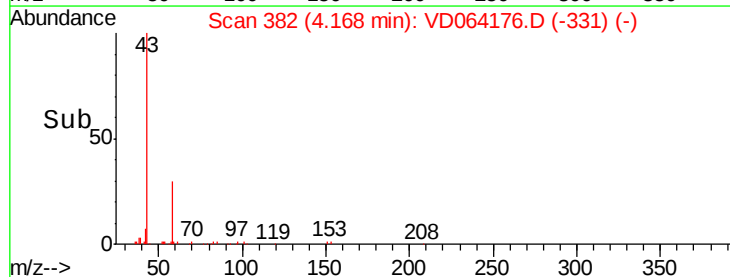
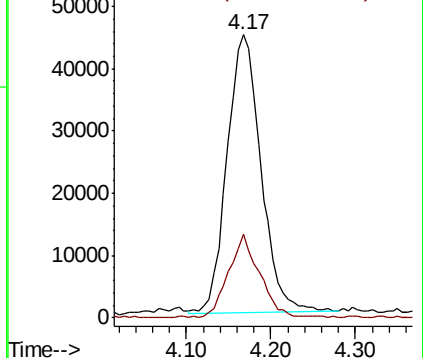
Ion Ratio Lower Upper

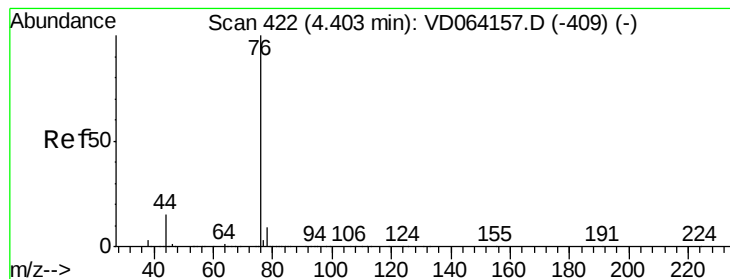
43 100

58 30.3 24.1 36.1



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





#17

Carbon Disulfide

Concen: 20.636 ug/l

RT: 4.40 min Scan# 421

Delta R.T. -0.01 min

Lab File: VD064176.D

Acq: 11 Nov 2019 14:21

Instrument :

MSVOA_D

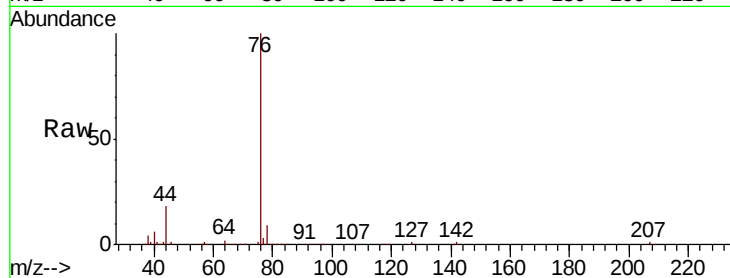
ClientSampled :

Tot Ion: 76 Resp: 359992

Ion Ratio Lower Upper

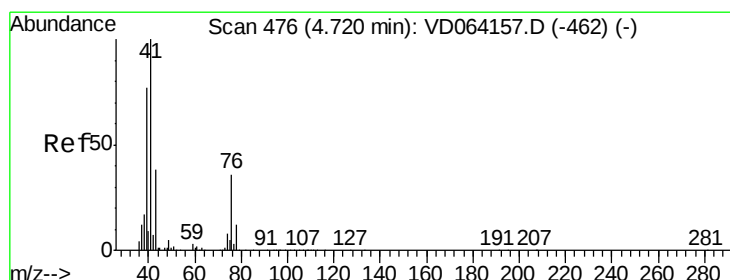
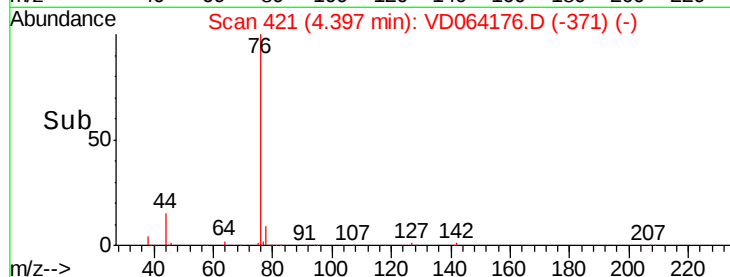
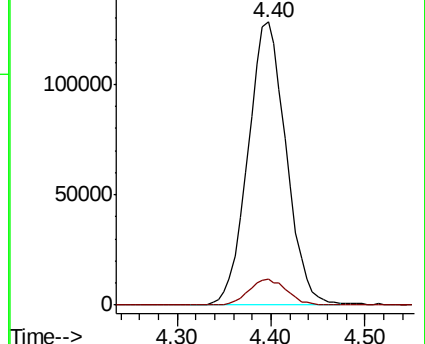
76 100

78 9.0 7.2 10.8



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#18

Methyl Acetate

Concen: 20.274 ug/l

RT: 4.73 min Scan# 478

Delta R.T. 0.01 min

Lab File: VD064176.D

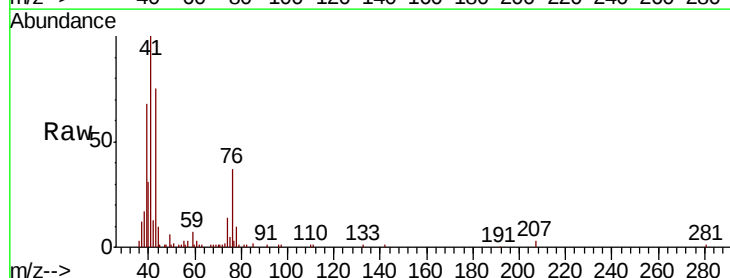
Acq: 11 Nov 2019 14:21

Tgt Ion: 43 Resp: 73551

Ion Ratio Lower Upper

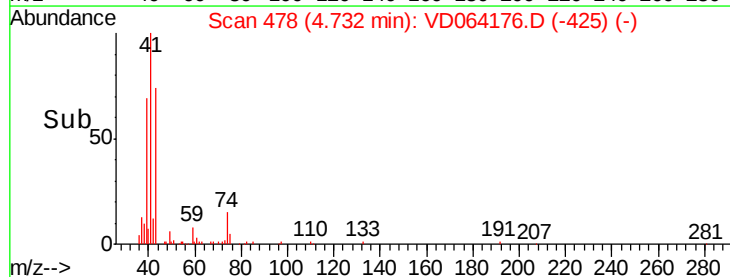
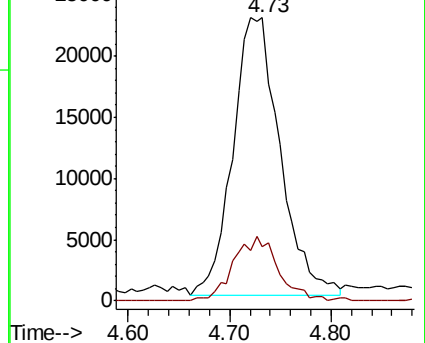
43 100

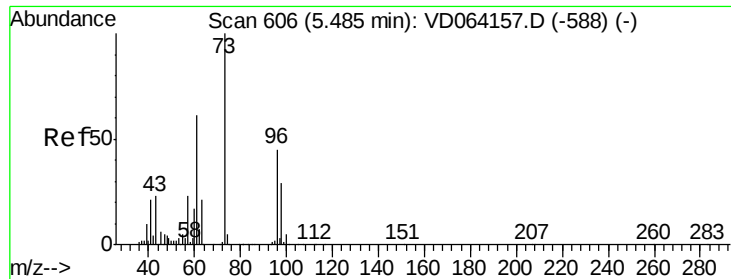
74 21.9 18.4 27.6



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC

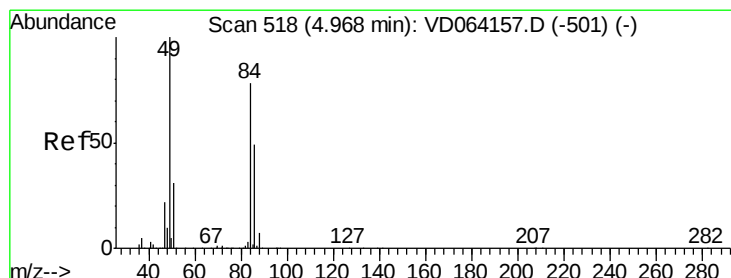
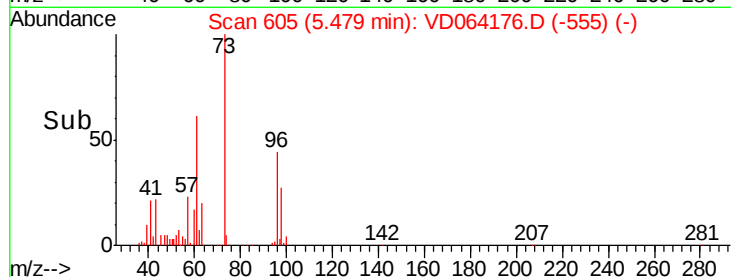
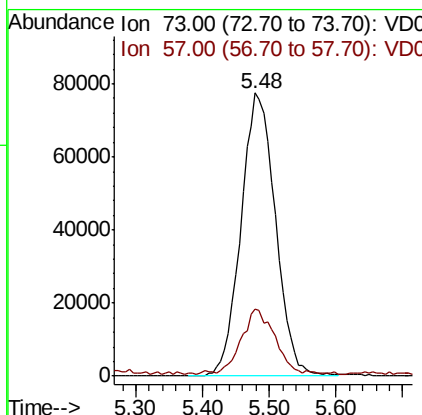
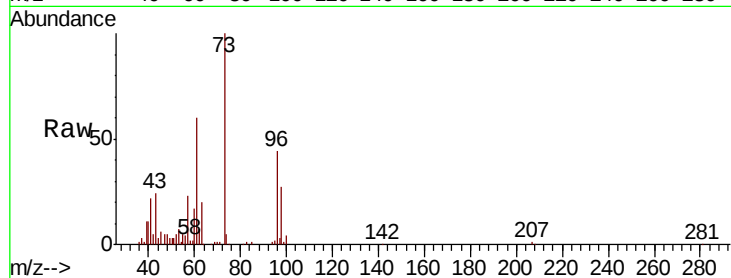




#19
Methvl tert-butvl Ether
Concen: 20.590 ug/l
RT: 5.48 min Scan# 605
Delta R.T. -0.01 min
Lab File: VD064176.D
Acq: 11 Nov 2019 14:21

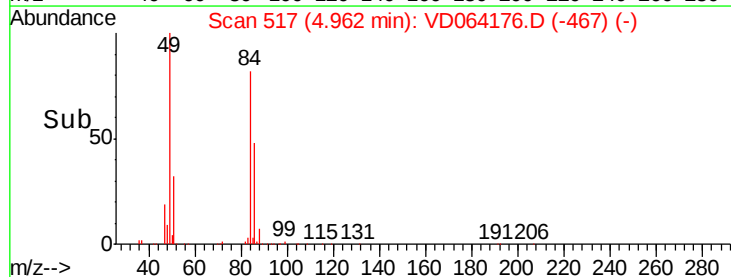
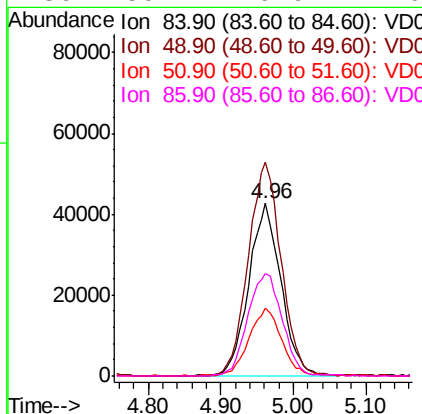
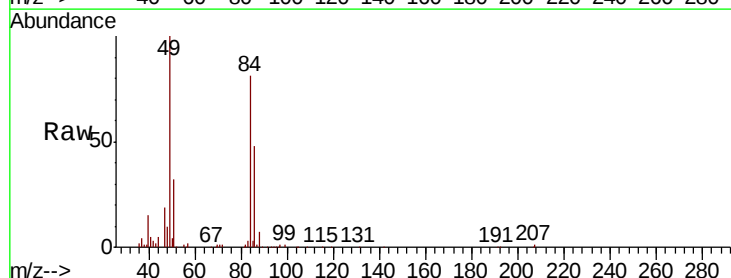
Instrument :
MSVOA_D
ClientSampleId :

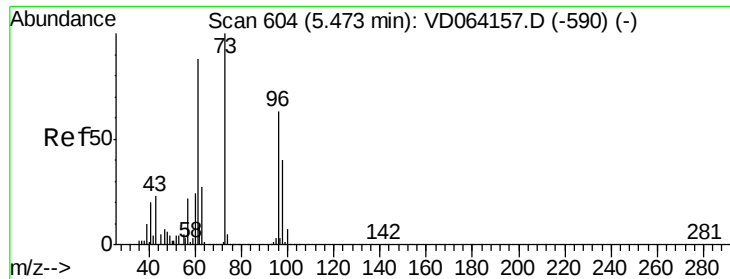
Tot Ion: 73 Resp: 275354
Ion Ratio Lower Upper
73 100
57 22.7 18.4 27.6



#20
Methylene Chloride
Concen: 20.017 ug/l
RT: 4.96 min Scan# 517
Delta R.T. -0.01 min
Lab File: VD064176.D
Acq: 11 Nov 2019 14:21

Tgt Ion: 84 Resp: 131334
Ion Ratio Lower Upper
84 100
49 123.7 102.1 153.1
51 39.7 32.2 48.2
86 59.4 49.9 74.9





#21

trans-1,2-Dichloroethene

Concen: 20.683 ug/l

RT: 5.46 min Scan# 602

Delta R.T. -0.01 min

Lab File: VD064176.D

Acq: 11 Nov 2019 14:21

Instrument :

MSVOA_D

ClientSampleId :

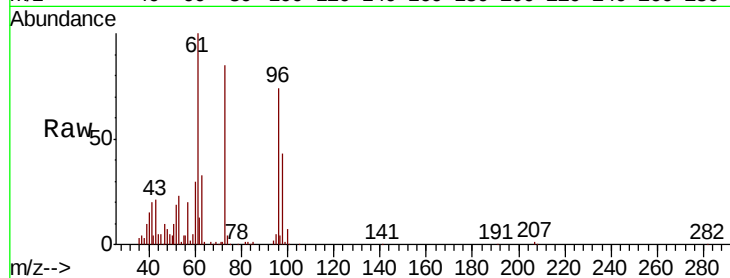
Tot Ion: 96 Resp: 131266

Ion Ratio Lower Upper

96 100

61 135.6 111.8 167.6

98 58.3 50.3 75.5



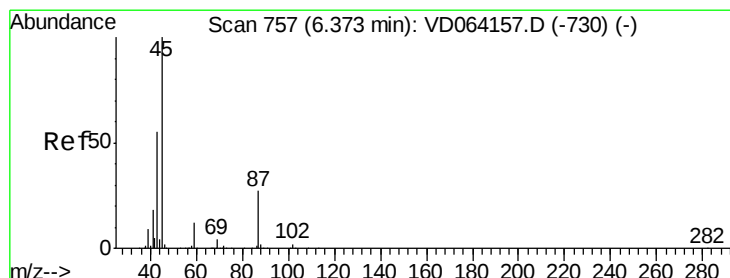
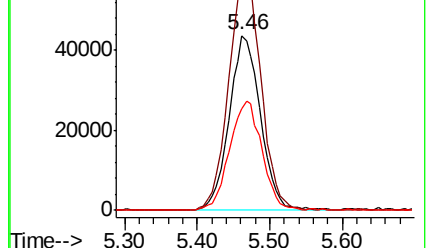
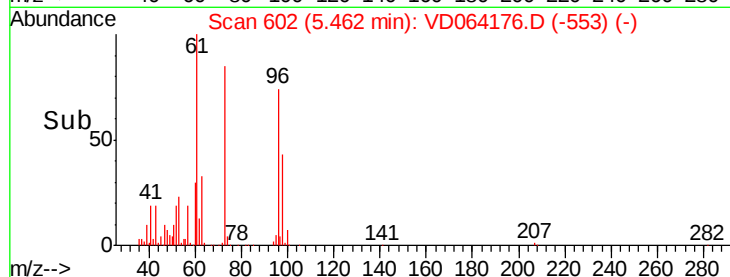
Abundance

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

Time-->



#22

Diisopropyl ether

Concen: 20.506 ug/l

RT: 6.37 min Scan# 756

Delta R.T. -0.01 min

Lab File: VD064176.D

Acq: 11 Nov 2019 14:21

Tgt Ion: 45 Resp: 376834

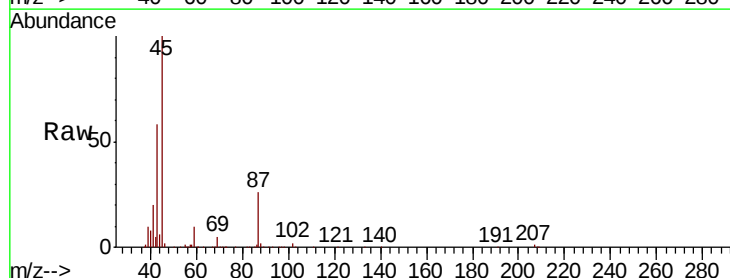
Ion Ratio Lower Upper

45 100

43 55.9 44.4 66.6

87 26.3 21.9 32.9

59 9.6 9.4 14.2



Abundance

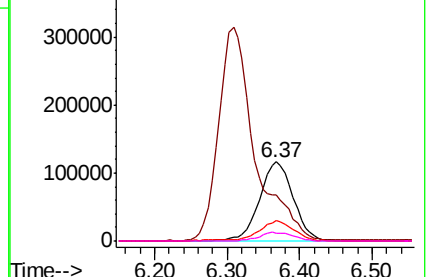
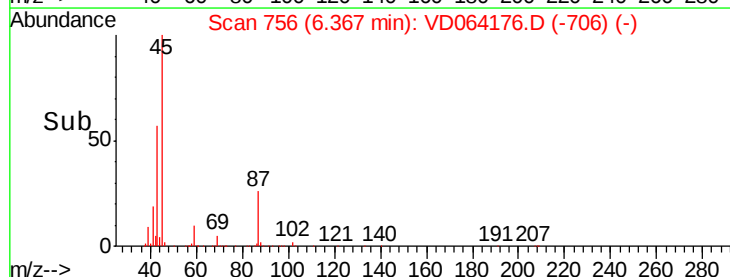
Ion 45.00 (44.70 to 45.70): VDC

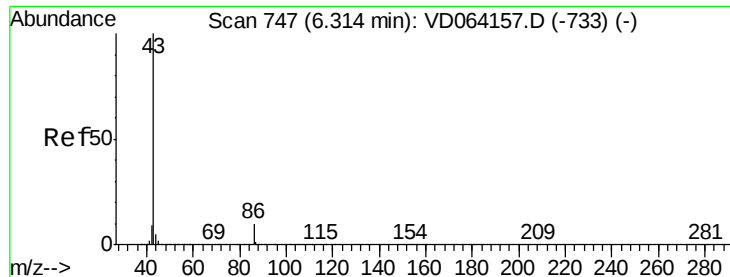
Ion 43.00 (42.70 to 43.70): VDC

Ion 87.00 (86.70 to 87.70): VDC

Ion 59.00 (58.70 to 59.70): VDC

Time-->





#23

Vinyl Acetate

Concen: 106.737 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.01 min

Lab File: VD064176.D

Acq: 11 Nov 2019 14:21

Instrument :

MSVOA_D

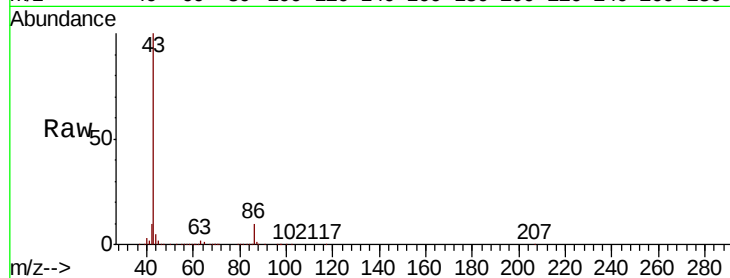
ClientSampleId :

Tot Ion: 43 Resp: 1093393

Ion Ratio Lower Upper

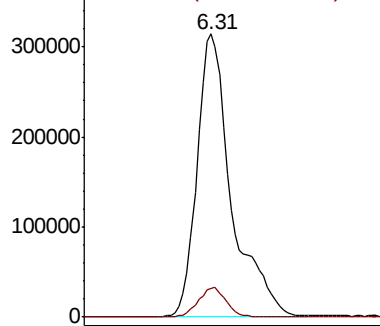
43 100

86 10.0 8.2 12.2

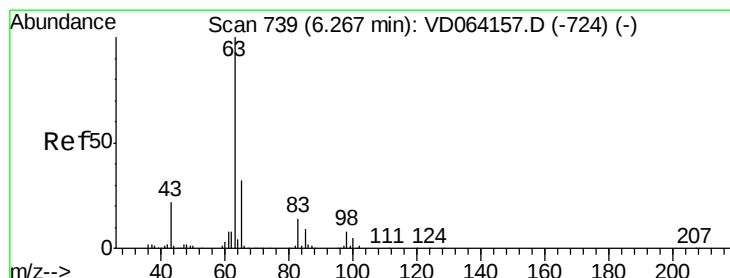
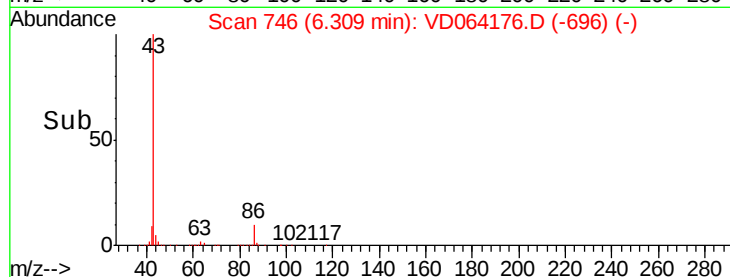


Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



Time-->



#24

1,1-Dichloroethane

Concen: 20.796 ug/l

RT: 6.27 min Scan# 739

Delta R.T. 0.00 min

Lab File: VD064176.D

Acq: 11 Nov 2019 14:21

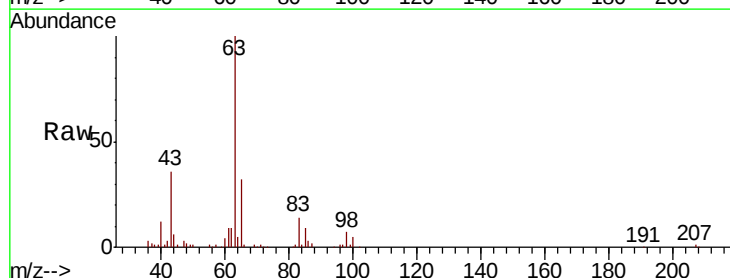
Tgt Ion: 63 Resp: 221892

Ion Ratio Lower Upper

63 100

98 7.5 3.8 11.4

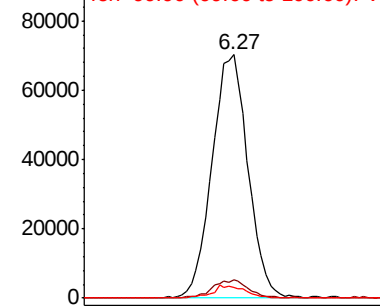
100 4.5 2.4 7.2



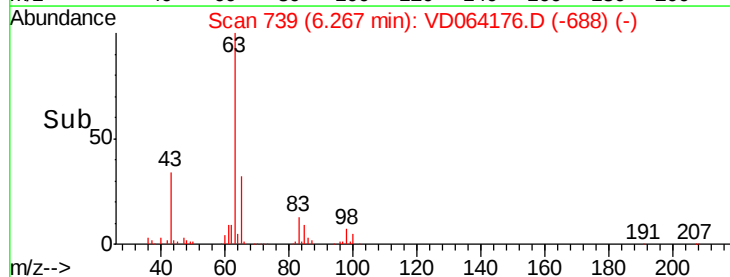
Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC



Time-->





#25

2-Butanone

Concen: 105.593 ug/l

RT: 7.22 min Scan# 901

Delta R.T. -0.01 min

Lab File: VD064176.D

Acq: 11 Nov 2019 14:21

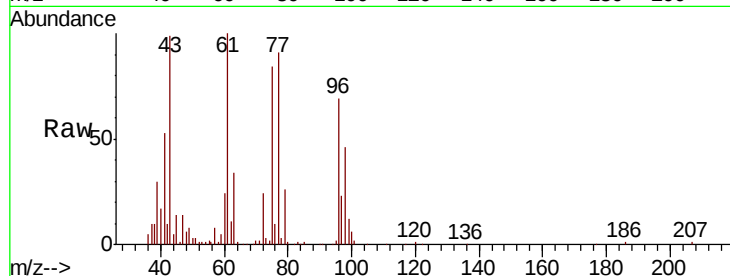
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 43 Resp: 177195

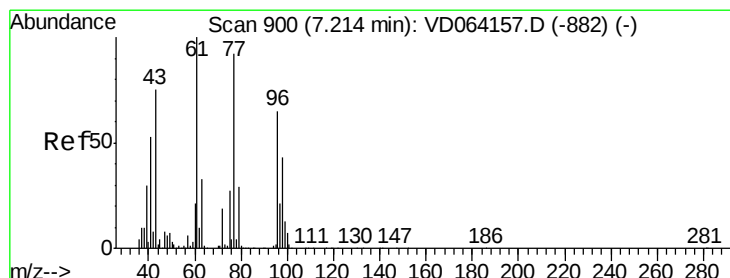
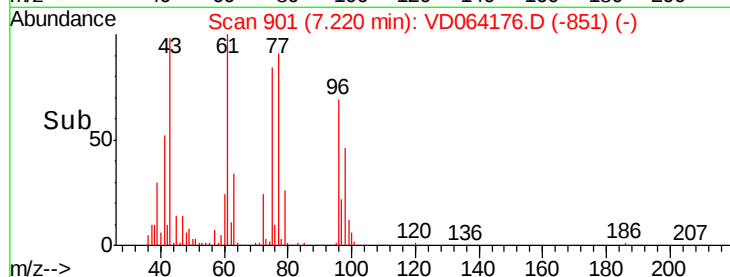
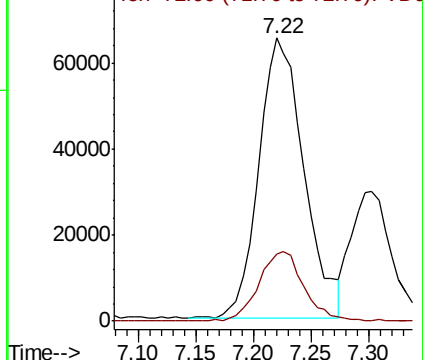
Ion Ratio Lower Upper

43 100

72 24.0 20.6 30.8



Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 20.907 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD064176.D

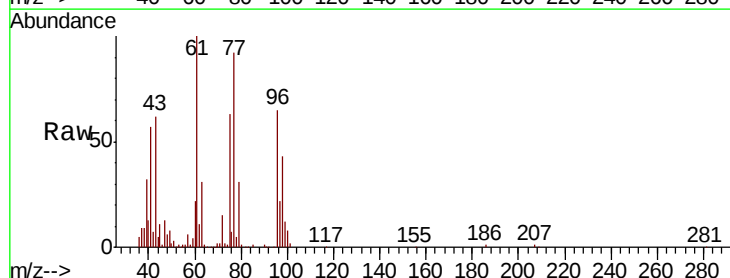
Acq: 11 Nov 2019 14:21

Tgt Ion: 77 Resp: 218773

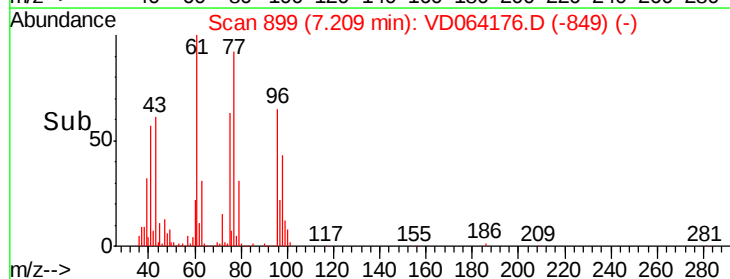
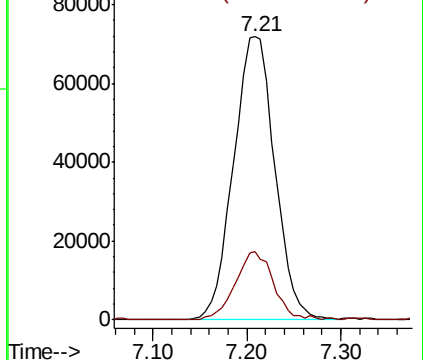
Ion Ratio Lower Upper

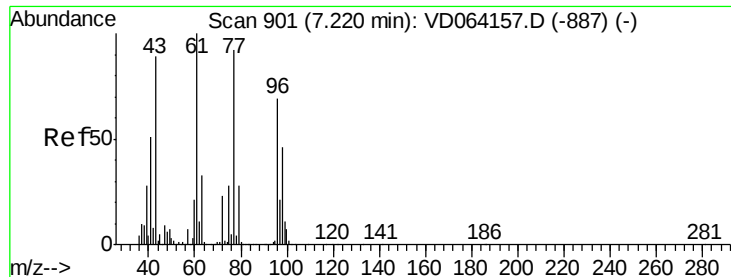
77 100

97 22.5 11.1 33.3



Abundance Ion 76.90 (76.60 to 77.60): VDC
Ion 96.90 (96.60 to 97.60): VDC



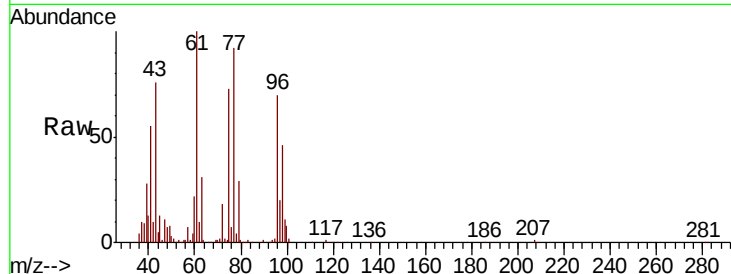


#27

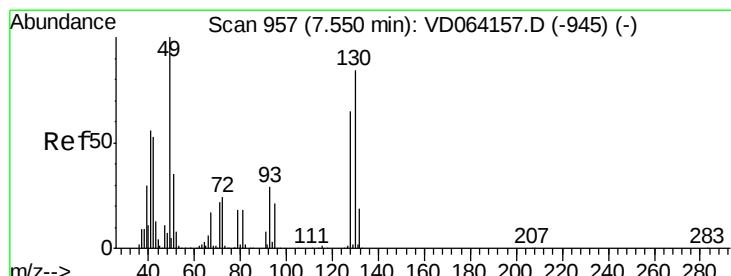
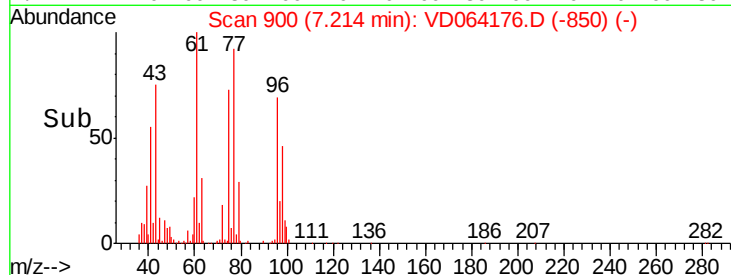
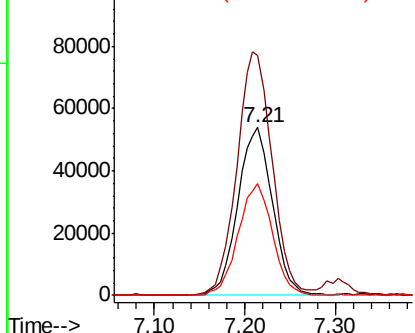
cis-1,2-Dichloroethene
Concen: 21.055 ug/l
RT: 7.21 min Scan# 900
Delta R.T. -0.01 min
Lab File: VD064176.D
Acq: 11 Nov 2019 14:21

Instrument :
MSVOA_D
ClientSampled :

Tot Ion	Ratio	Lower	Upper
96	100		
61	147.3	0.0	301.4
98	65.6	0.0	133.2



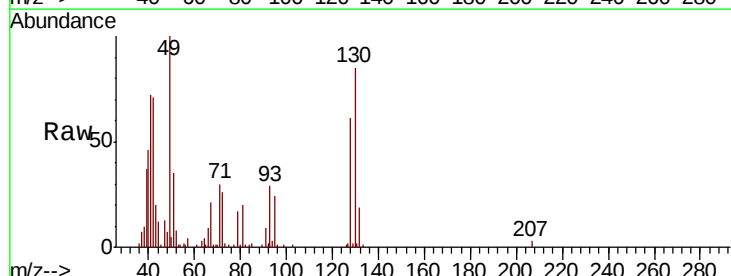
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.90 (60.60 to 61.60): VDC
Ion 97.90 (97.60 to 98.60): VDC



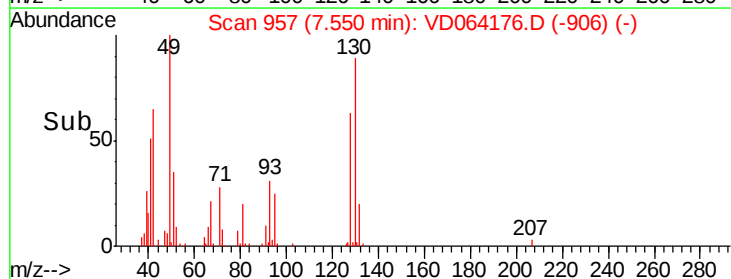
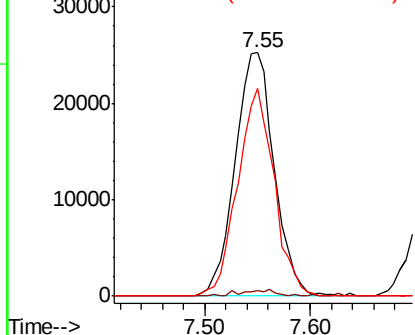
#28

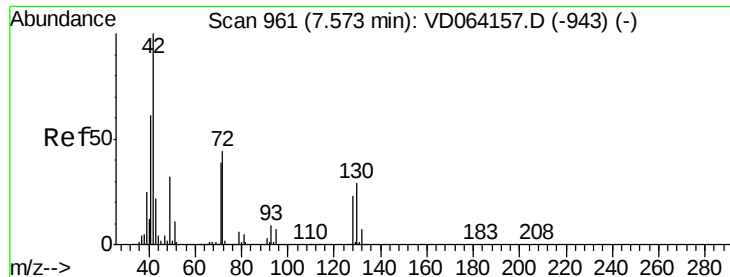
Bromochloromethane
Concen: 17.445 ug/l
RT: 7.55 min Scan# 957
Delta R.T. 0.00 min
Lab File: VD064176.D
Acq: 11 Nov 2019 14:21

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.7	0.0	4.4
130	79.5	66.8	100.2



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





#29

Tetrahydrofuran

Concen: 104.342 ug/l

RT: 7.57 min Scan# 961

Delta R.T. 0.00 min

Lab File: VD064176.D

Acq: 11 Nov 2019 14:21

Instrument :

MSVOA_D

ClientSampled :

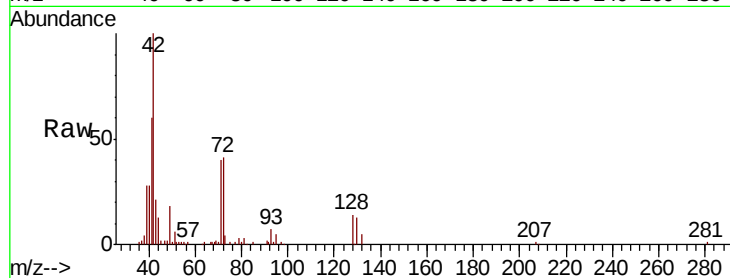
Tot Ion: 42 Resp: 105202

Ion Ratio Lower Upper

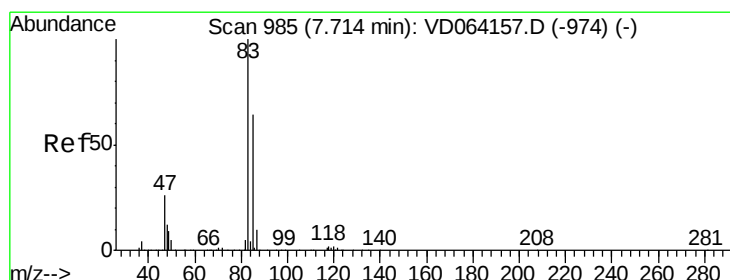
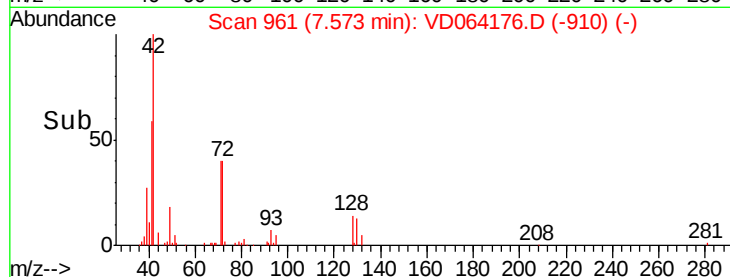
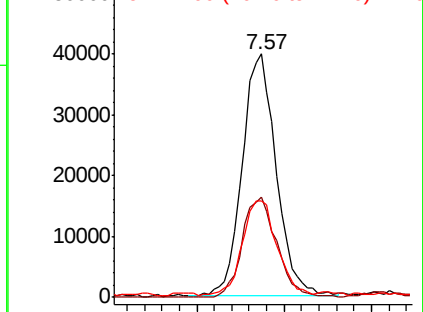
42 100

72 41.6 33.4 50.2

71 40.0 31.0 46.4



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



#30

Chloroform

Concen: 21.721 ug/l

RT: 7.71 min Scan# 985

Delta R.T. 0.00 min

Lab File: VD064176.D

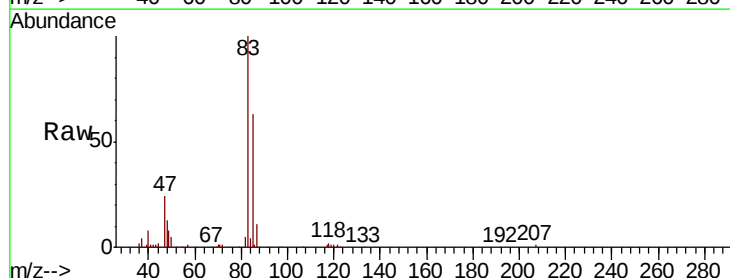
Acq: 11 Nov 2019 14:21

Tgt Ion: 83 Resp: 237071

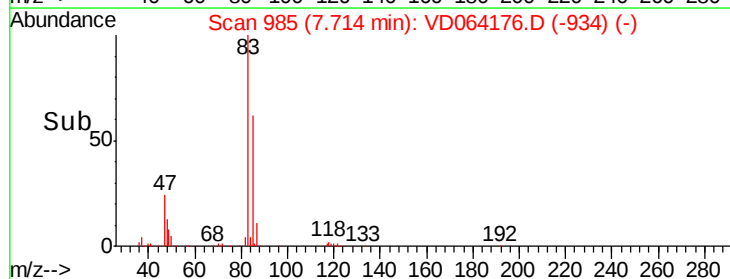
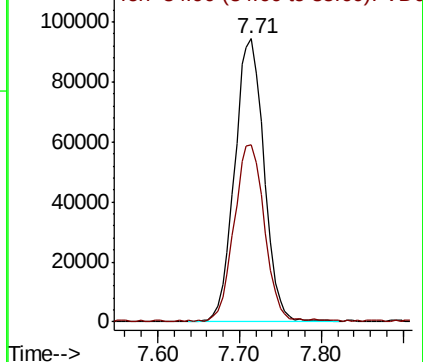
Ion Ratio Lower Upper

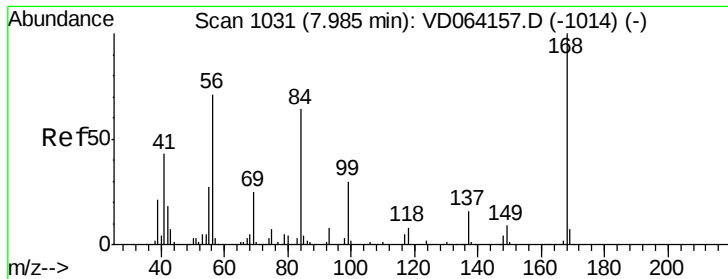
83 100

85 62.1 51.4 77.0



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

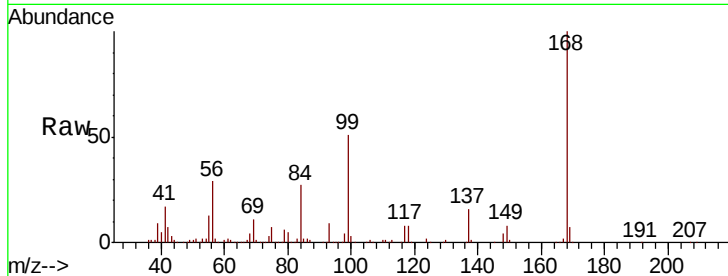




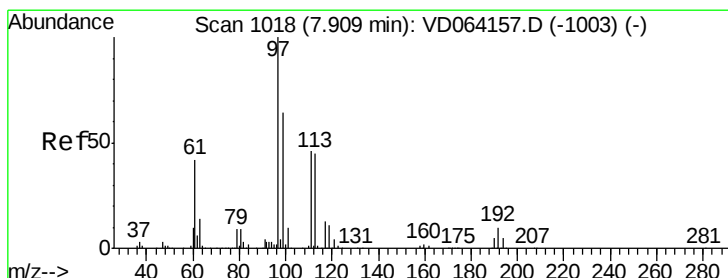
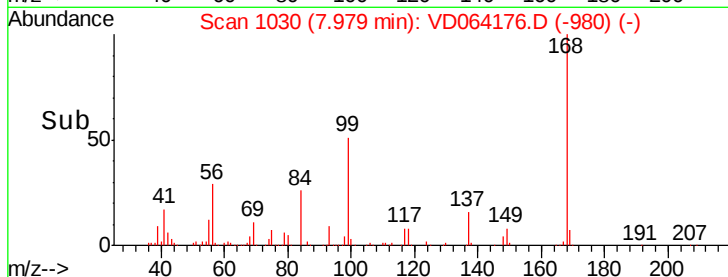
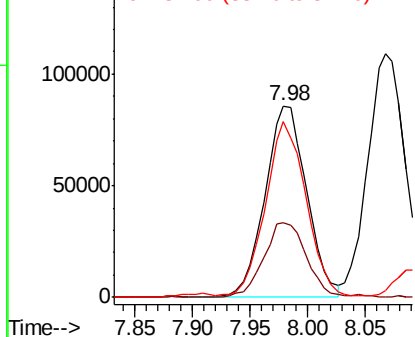
#31
Cyclohexane
Concen: 19.960 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD064176.D
Acq: 11 Nov 2019 14:21

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 56 Resp: 214790
Ion Ratio Lower Upper
56 100
69 38.8 28.2 42.4
84 90.5 71.8 107.6

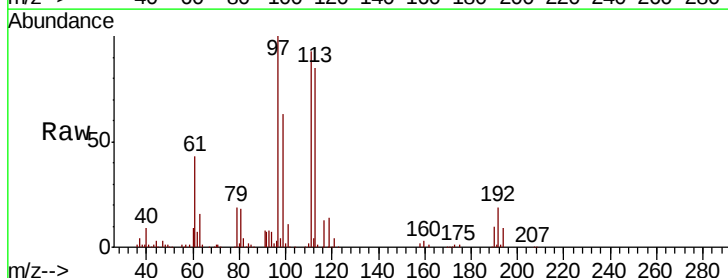


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

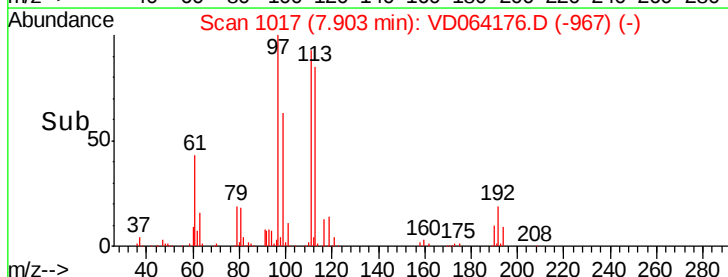
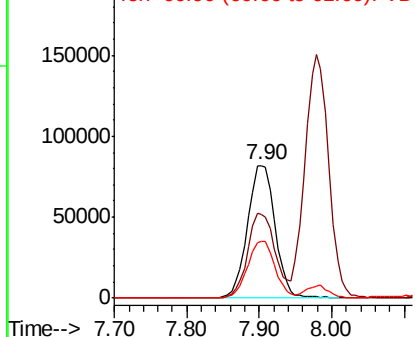


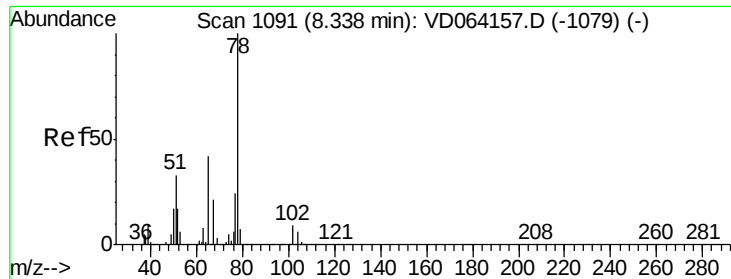
#32
1,1,1-Trichloroethane
Concen: 20.814 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. -0.01 min
Lab File: VD064176.D
Acq: 11 Nov 2019 14:21

Tgt Ion: 97 Resp: 217527
Ion Ratio Lower Upper
97 100
99 64.9 51.6 77.4
61 42.6 34.2 51.2



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

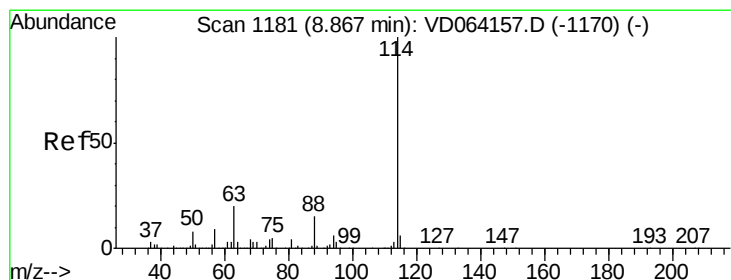
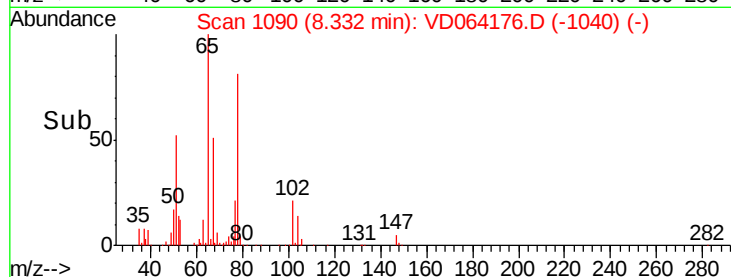
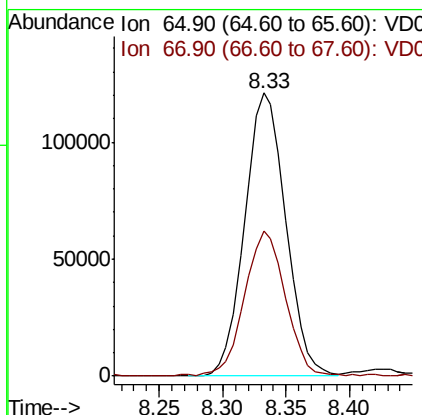
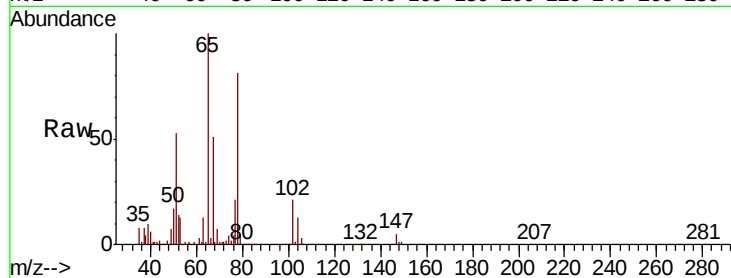




#33
 1,2-Dichloroethane-d4
 Concen: 49.679 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. -0.01 min
 Lab File: VD064176.D
 Acq: 11 Nov 2019 14:21

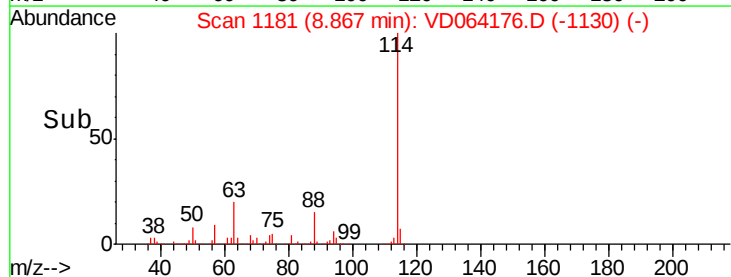
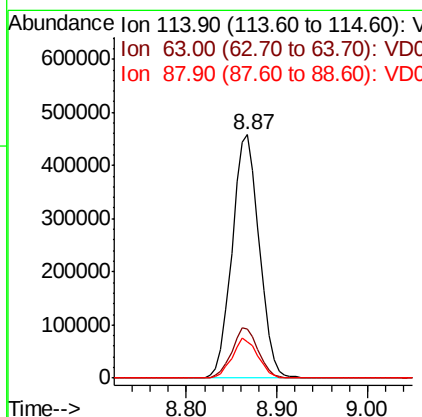
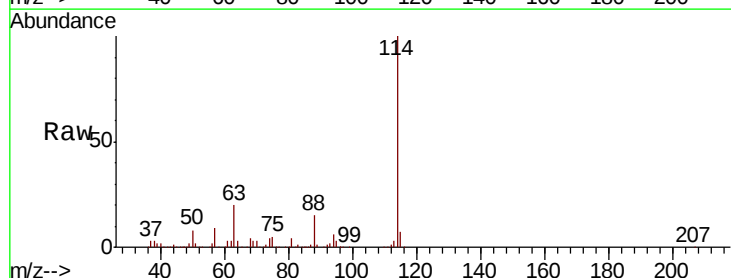
Instrument :
 MSVOA_D
 ClientSampleId :

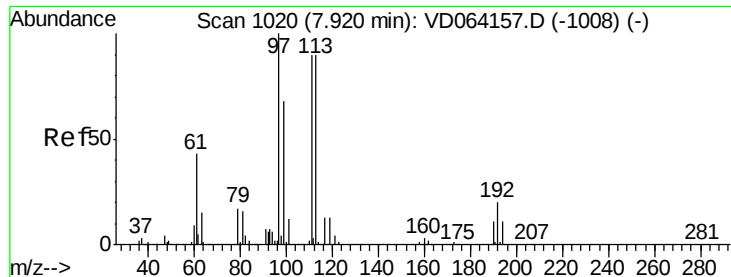
Tot Ion: 65 Resp: 272386
 Ion Ratio Lower Upper
 65 100
 67 51.6 0.0 104.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD064176.D
 Acq: 11 Nov 2019 14:21

Tgt Ion: 114 Resp: 953843
 Ion Ratio Lower Upper
 114 100
 63 20.0 0.0 40.0
 88 14.7 0.0 30.2

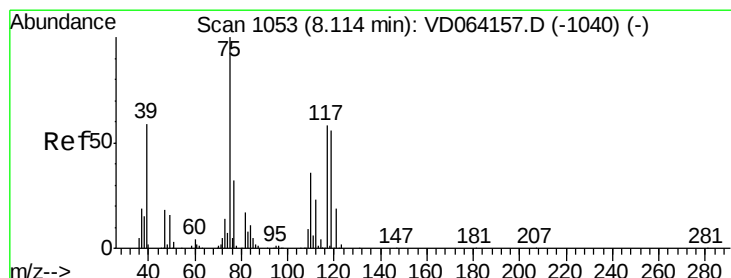
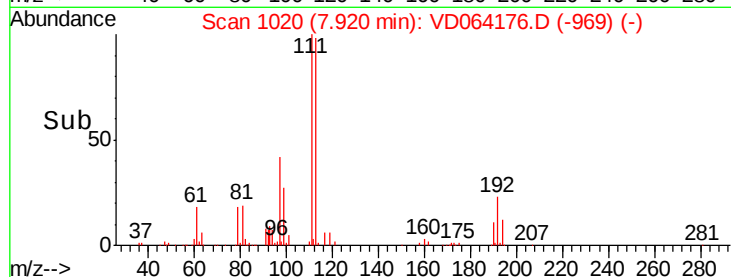
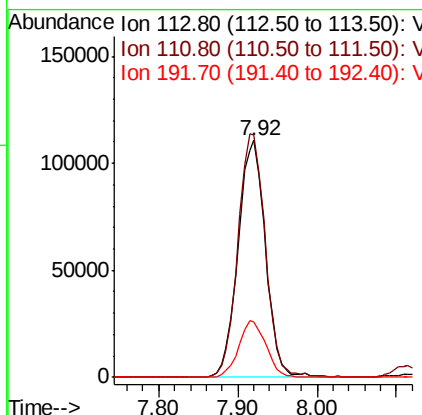
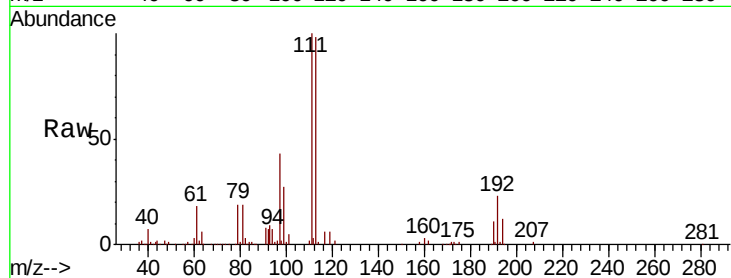




#35
 Dibromofluoromethane
 Concen: 48.473 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD064176.D
 Acq: 11 Nov 2019 14:21

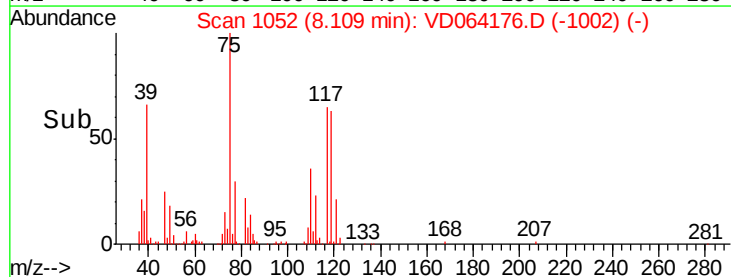
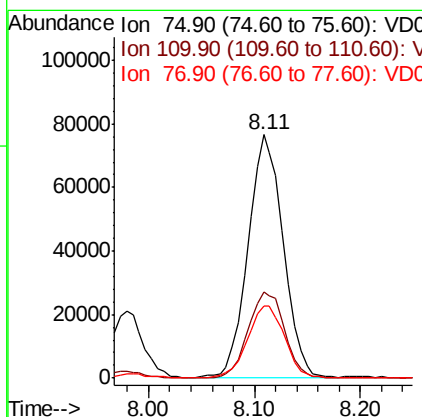
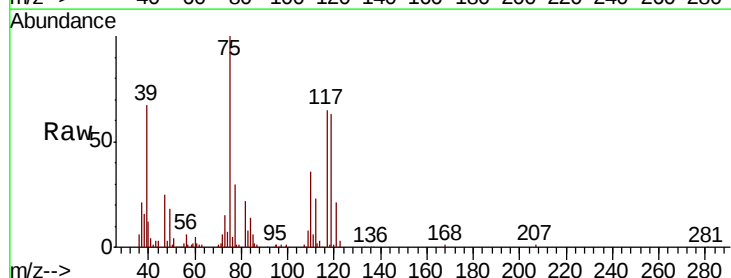
Instrument :
 MSVOA_D
 ClientSampleId :

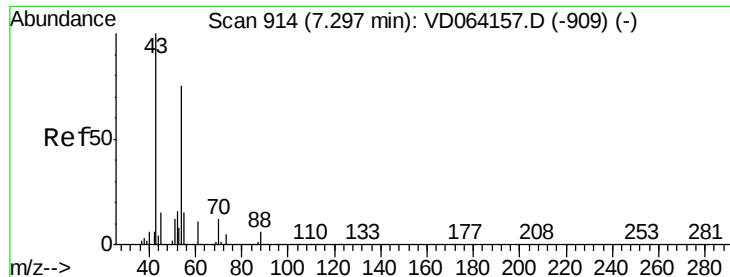
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.1	81.5	122.3
192	23.8	18.8	28.2



#36
 1,1-Dichloropropene
 Concen: 20.193 ug/l
 RT: 8.11 min Scan# 1052
 Delta R.T. -0.01 min
 Lab File: VD064176.D
 Acq: 11 Nov 2019 14:21

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.6	18.3	54.9
77	31.3	25.0	37.6

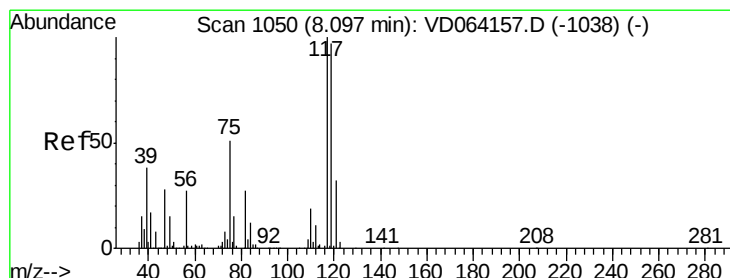
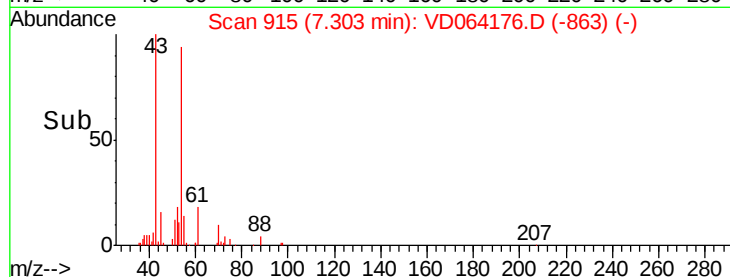
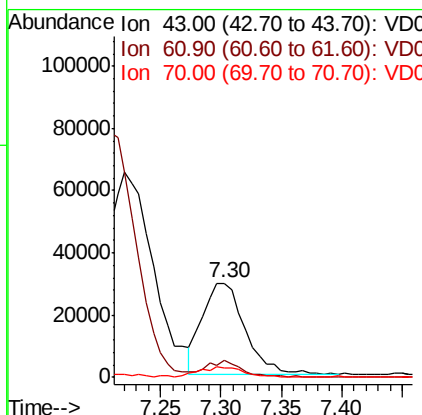
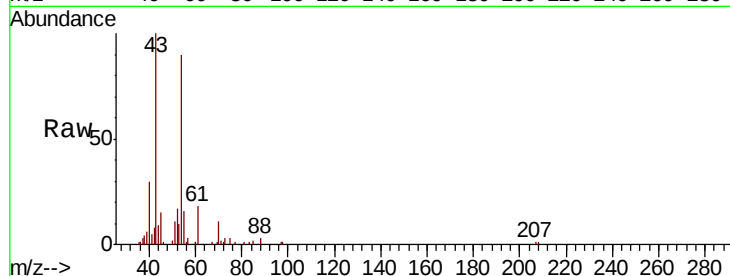




#37
Ethyl Acetate
Concen: 19.627 ug/l
RT: 7.30 min Scan# 915
Delta R.T. 0.01 min
Lab File: VD064176.D
Acq: 11 Nov 2019 14:21

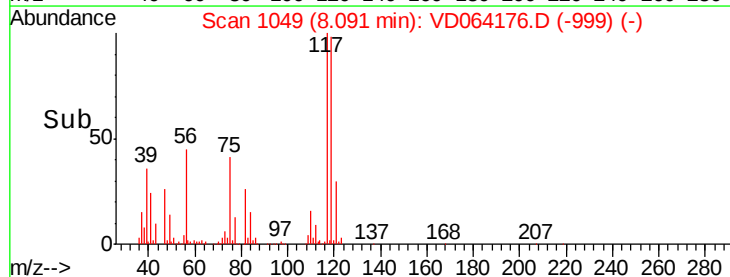
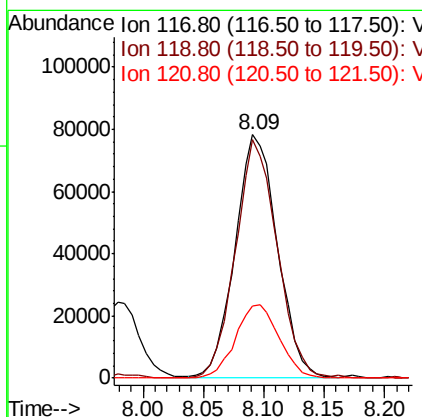
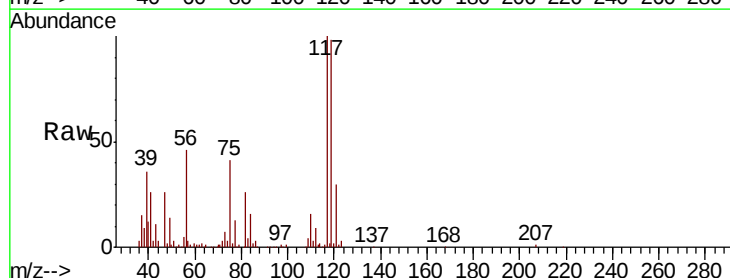
Instrument :
MSVOA_D
ClientSampled :

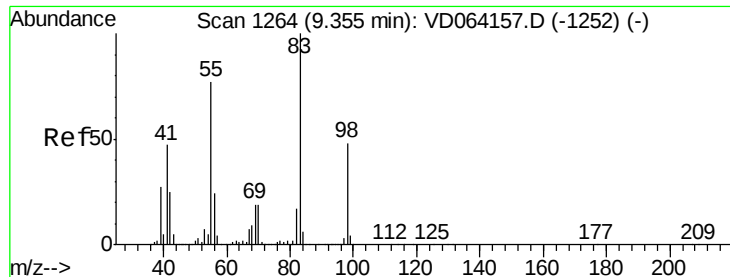
Tot Ion: 43 Resp: 72840
Ion Ratio Lower Upper
43 100
61 14.8 10.2 15.2
70 12.2 8.5 12.7



#38
Carbon Tetrachloride
Concen: 20.205 ug/l
RT: 8.09 min Scan# 1049
Delta R.T. -0.01 min
Lab File: VD064176.D
Acq: 11 Nov 2019 14:21

Tgt Ion: 117 Resp: 190324
Ion Ratio Lower Upper
117 100
119 97.9 77.2 115.8
121 29.9 25.5 38.3

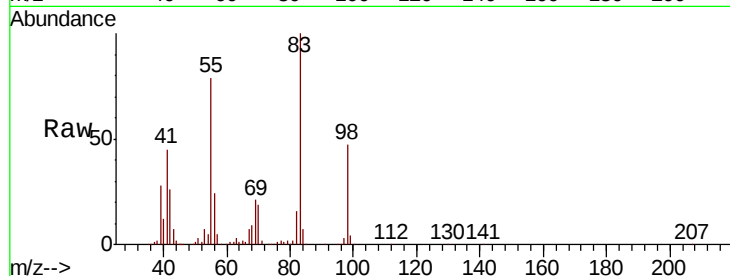




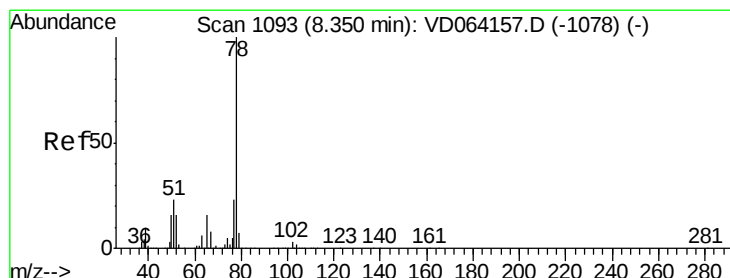
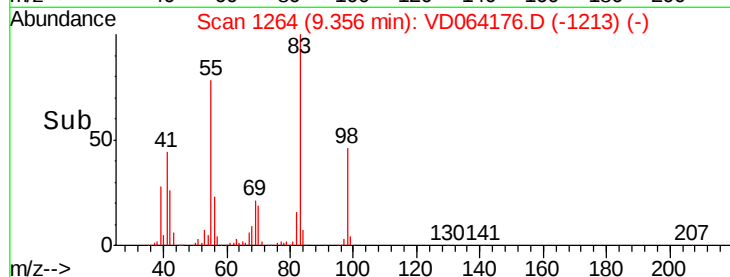
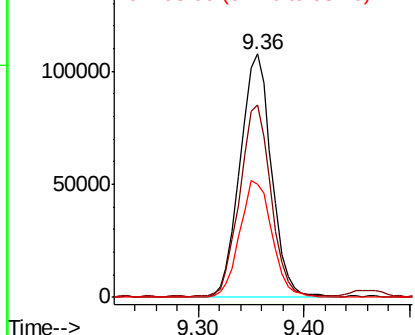
#39
Methvlcvclohexane
Concen: 19.856 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD064176.D
Acq: 11 Nov 2019 14:21

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 83 Resp: 221176
Ion Ratio Lower Upper
83 100
55 78.7 61.7 92.5
98 46.6 38.6 58.0

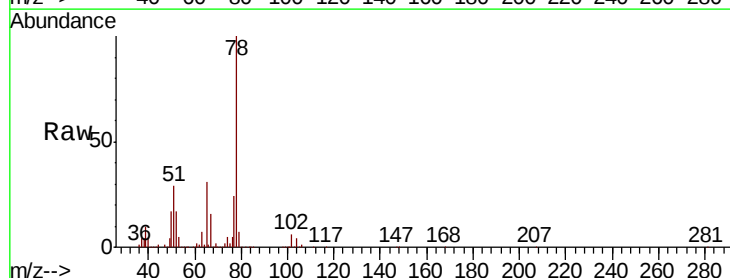


Abundance Ion 83.00 (82.70 to 83.70): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.00 (97.70 to 98.70): VDC

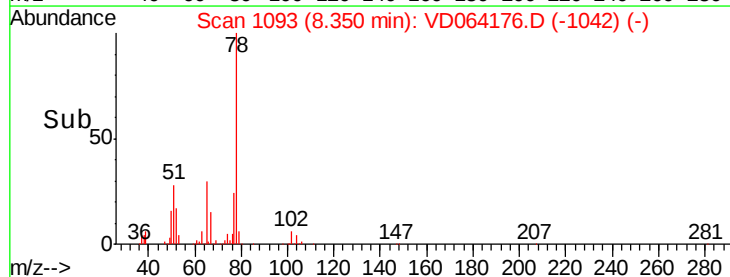
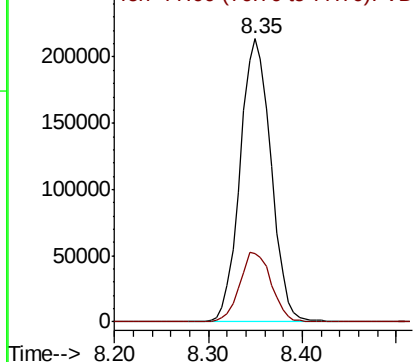


#40
Benzene
Concen: 20.243 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. 0.00 min
Lab File: VD064176.D
Acq: 11 Nov 2019 14:21

Tgt Ion: 78 Resp: 487021
Ion Ratio Lower Upper
78 100
77 24.0 18.6 28.0



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

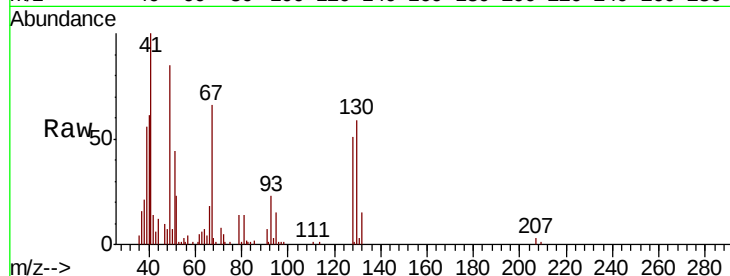




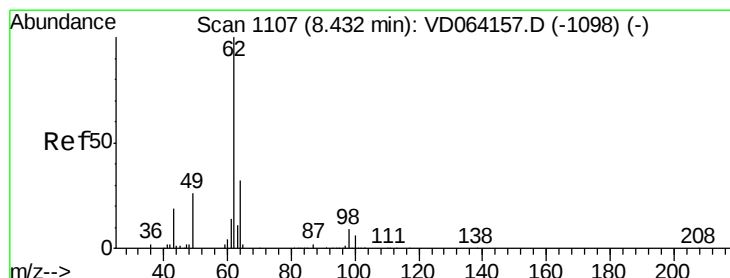
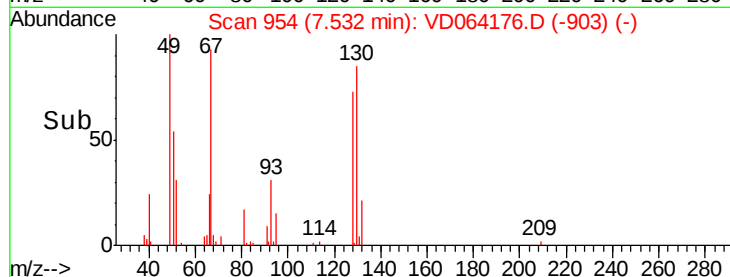
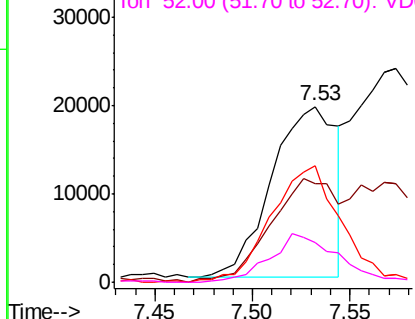
#41
Methacrylonitrile
Concen: 19.244 ug/l
RT: 7.53 min Scan# 954
Delta R.T. 0.00 min
Lab File: VD064176.D
Acq: 11 Nov 2019 14:21

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:	41	Resp:	44887
Ion	Ratio	Lower	Upper
41	100		
39	60.3	49.4	74.2
67	72.9	49.6	74.4
52	30.1	21.4	32.0

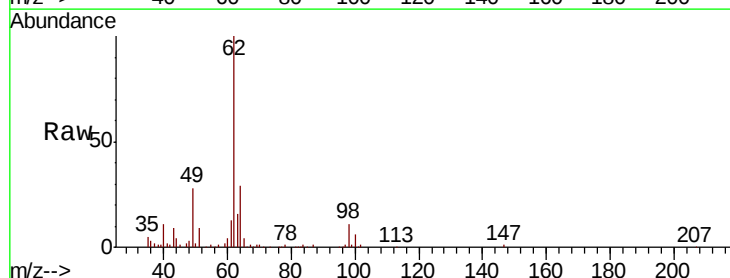


Abundance Ion 41.00 (40.70 to 41.70): VDC
Ion 39.00 (38.70 to 39.70): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

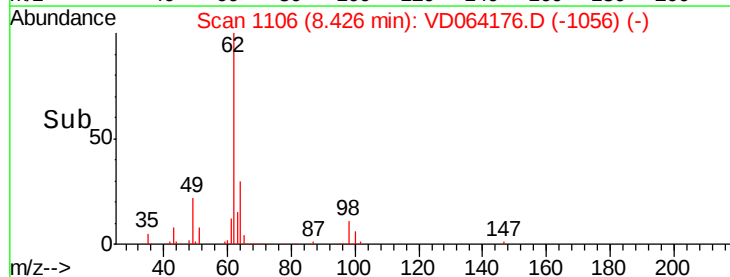
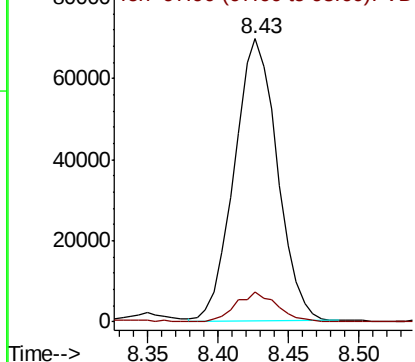


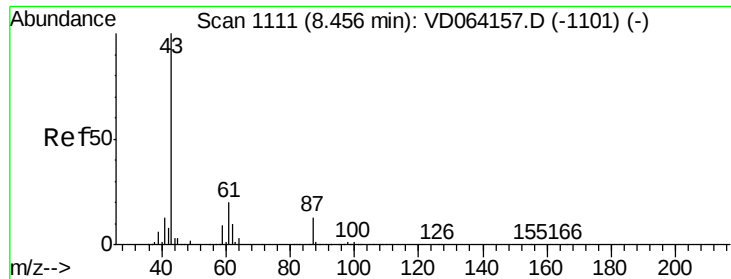
#42
1,2-Dichloroethane
Concen: 20.591 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. -0.01 min
Lab File: VD064176.D
Acq: 11 Nov 2019 14:21

Tgt Ion:	62	Resp:	148787
Ion	Ratio	Lower	Upper
62	100		
98	10.2	0.0	19.0



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



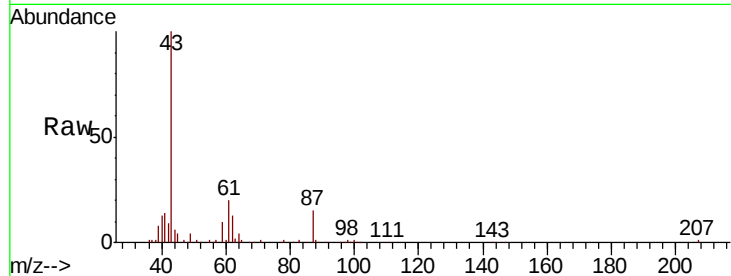


#43

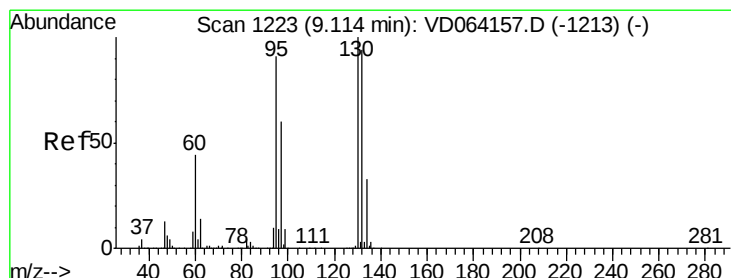
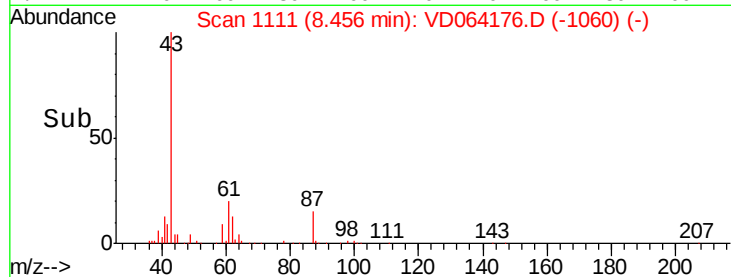
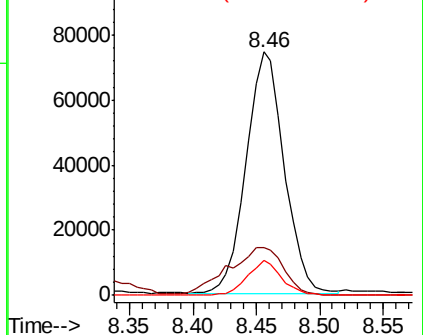
Isopropyl Acetate
 Concen: 20.501 ug/l
 RT: 8.46 min Scan# 1111
 Delta R.T. 0.00 min
 Lab File: VD064176.D
 Acq: 11 Nov 2019 14:21

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	43	Resp	156766
Ion Ratio	Lower	Upper	
43	100		
61	28.9	22.9	34.3
87	13.0	10.2	15.2



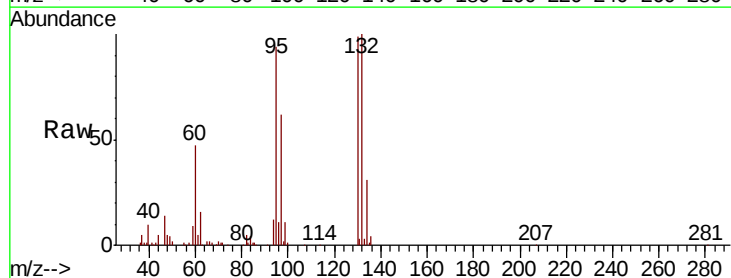
Abundance Ion 43.00 (42.70 to 43.70): VDC
 Ion 61.00 (60.70 to 61.70): VDC
 Ion 87.00 (86.70 to 87.70): VDC



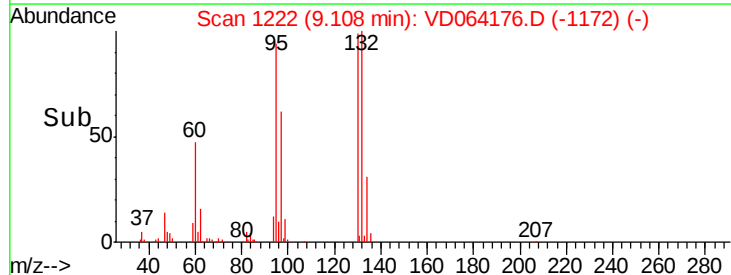
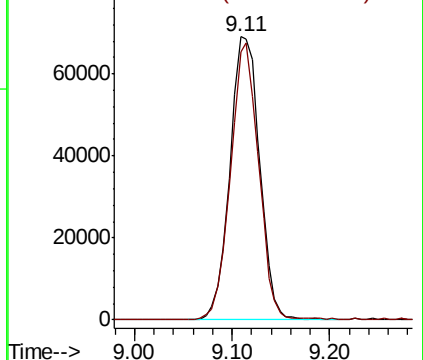
#44

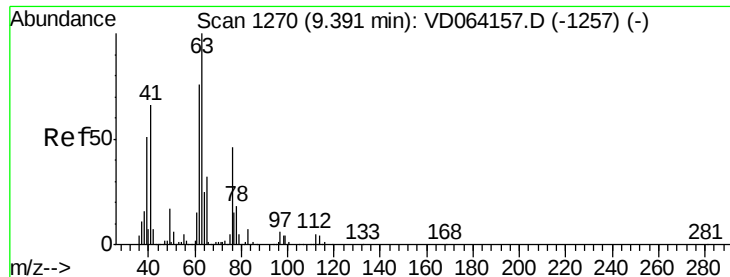
Trichloroethene
 Concen: 20.268 ug/l
 RT: 9.11 min Scan# 1222
 Delta R.T. -0.01 min
 Lab File: VD064176.D
 Acq: 11 Nov 2019 14:21

Tgt Ion	130	Resp	146357
Ion Ratio	Lower	Upper	
130	100		
95	94.6	0.0	181.6



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

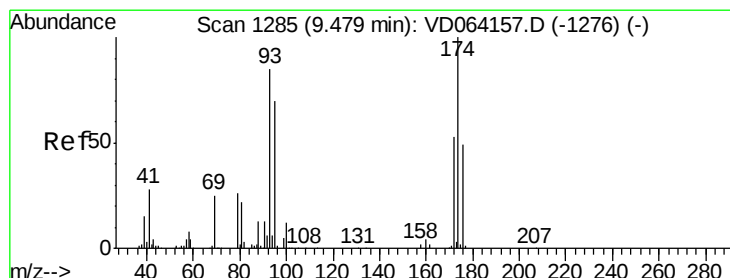
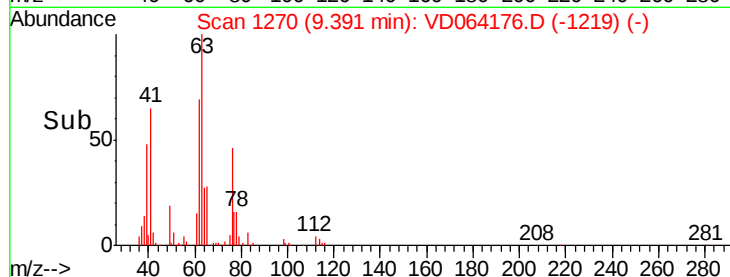
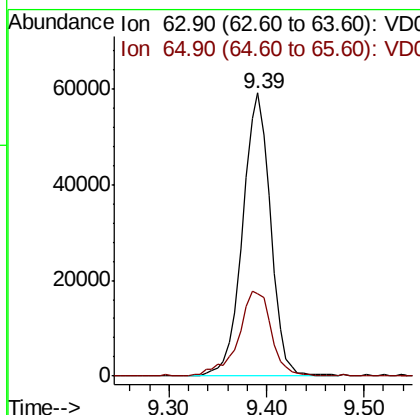
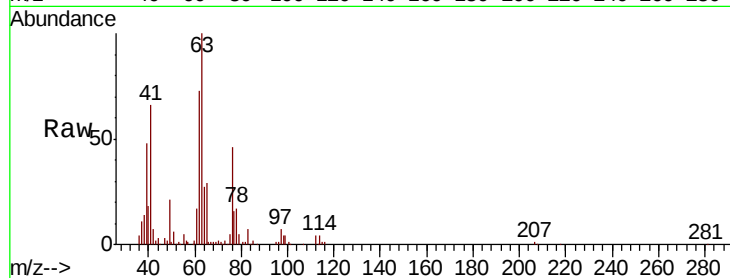




#45
 1,2-Dichloropropane
 Concen: 20.219 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VD064176.D
 Acq: 11 Nov 2019 14:21

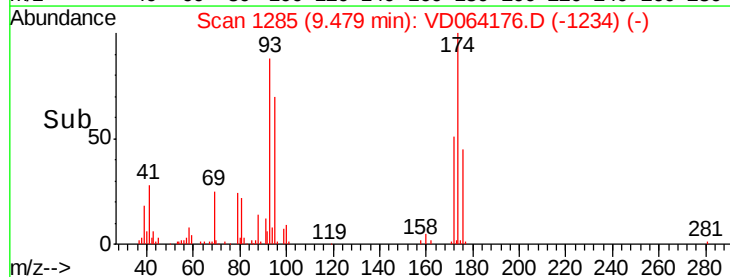
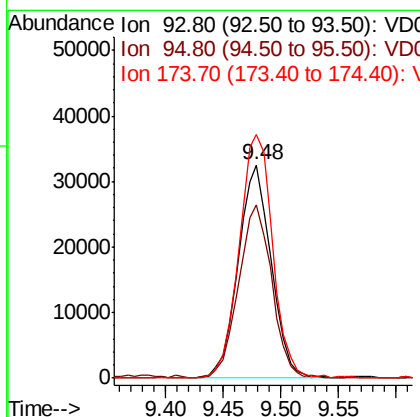
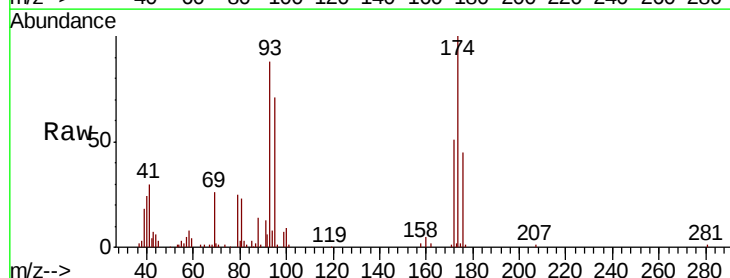
Instrument :
 MSVOA_D
 ClientSampleId :

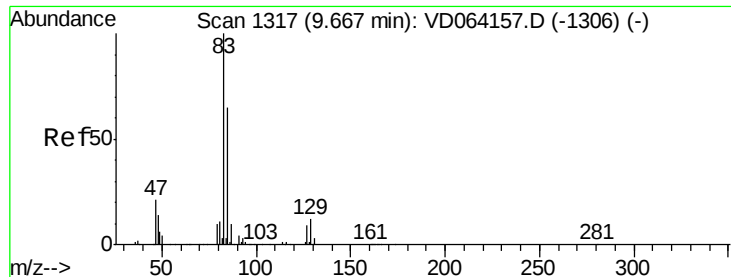
Tot Ion: 63 Resp: 118404
 Ion Ratio Lower Upper
 63 100
 65 29.0 25.7 38.5



#46
 Dibromomethane
 Concen: 20.440 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. 0.00 min
 Lab File: VD064176.D
 Acq: 11 Nov 2019 14:21

Tgt Ion: 93 Resp: 64079
 Ion Ratio Lower Upper
 93 100
 95 82.2 65.5 98.3
 174 116.6 93.9 140.9





#47

Bromodichloromethane

Concen: 20.626 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VD064176.D

Acq: 11 Nov 2019 14:21

Instrument :

MSVOA_D

ClientSampled :

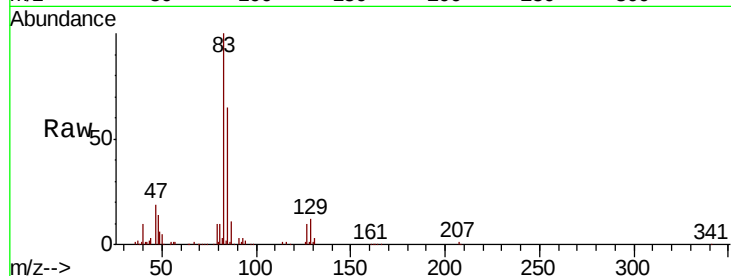
Tot Ion: 83 Resp: 174176

Ion Ratio Lower Upper

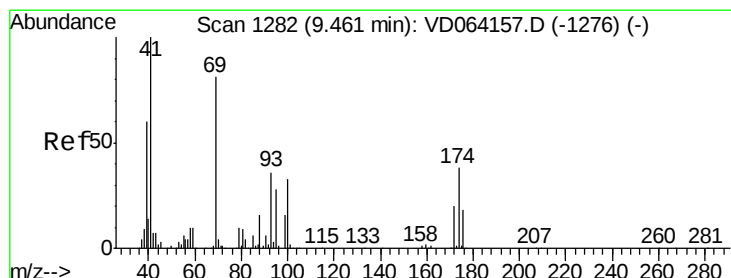
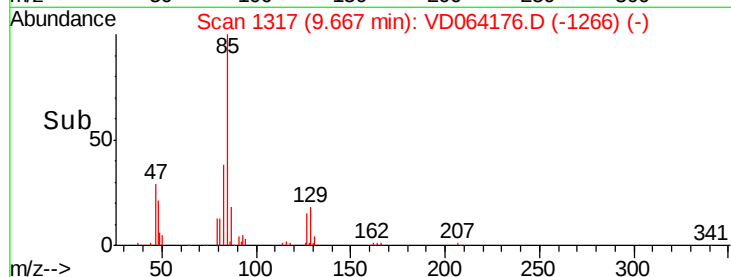
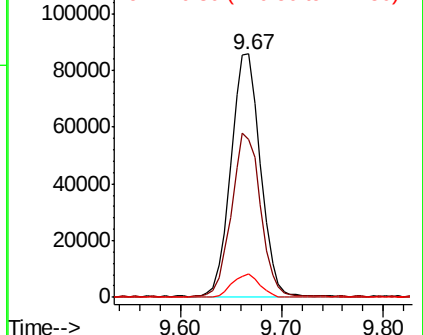
83 100

85 64.4 52.2 78.4

127 9.7 7.5 11.3



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: 19.489 ug/l

RT: 9.46 min Scan# 1281

Delta R.T. -0.01 min

Lab File: VD064176.D

Acq: 11 Nov 2019 14:21

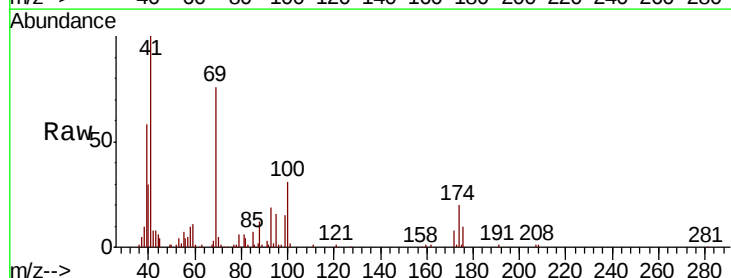
Tgt Ion: 41 Resp: 72870

Ion Ratio Lower Upper

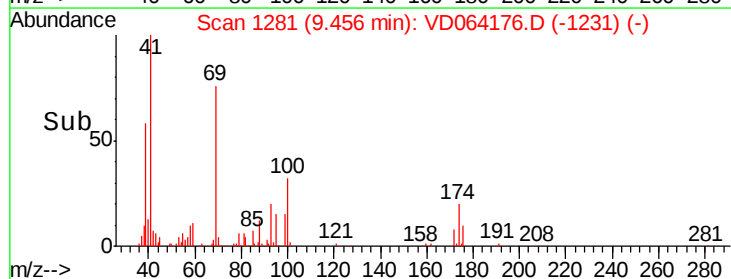
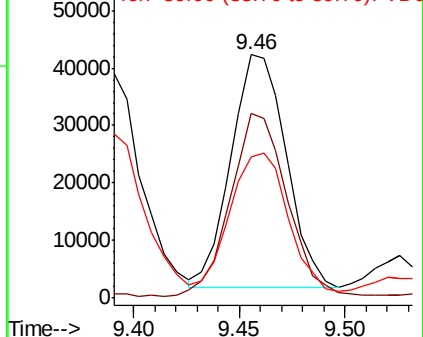
41 100

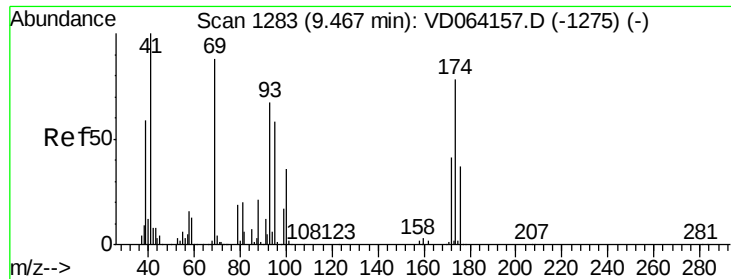
69 81.2 64.6 97.0

39 61.8 48.2 72.2



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

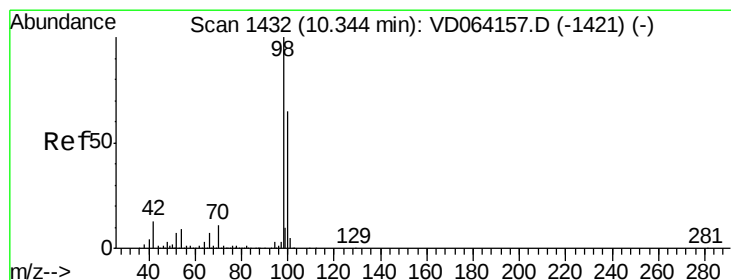
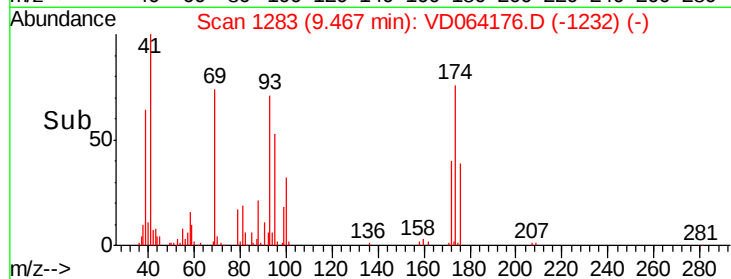
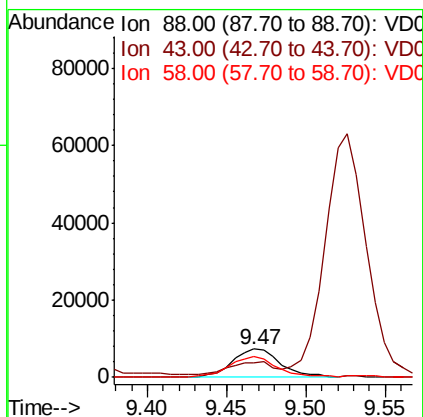
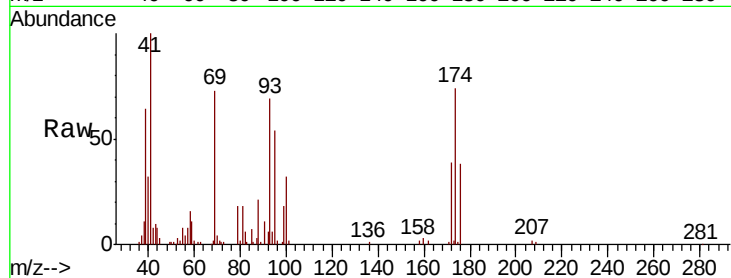




#49
1,4-Dioxane
Concen: 405.164 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VD064176.D
Acq: 11 Nov 2019 14:21

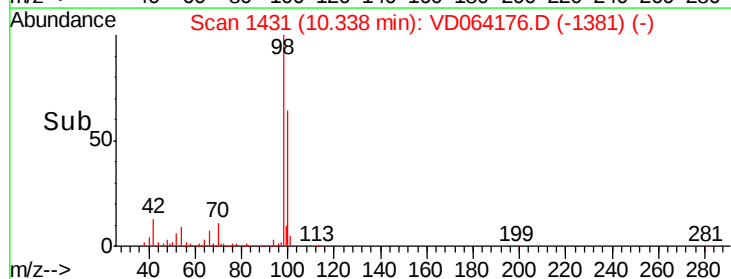
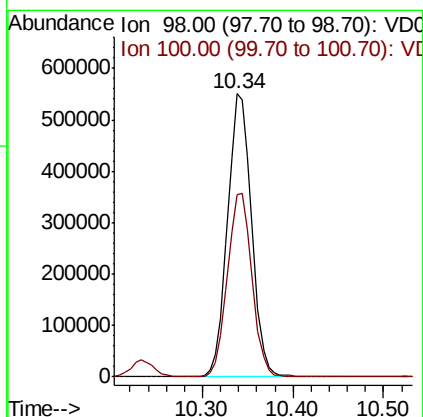
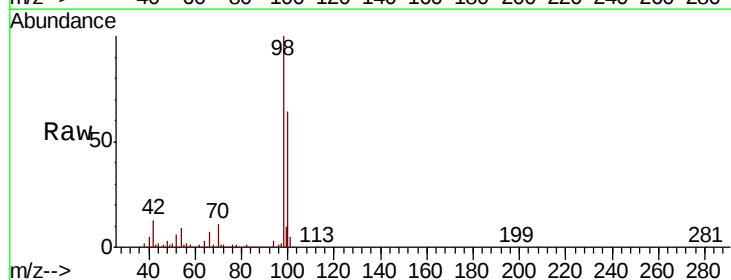
Instrument :
MSVOA_D
ClientSampleId :

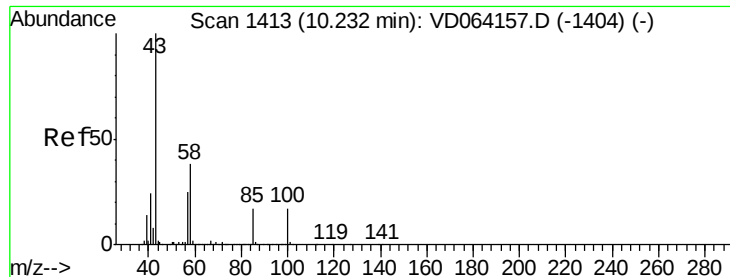
Tot Ion: 88 Resp: 15255
Ion Ratio Lower Upper
88 100
43 39.4 29.8 44.8
58 74.5 58.1 87.1



#50
Toluene-d8
Concen: 49.222 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. -0.01 min
Lab File: VD064176.D
Acq: 11 Nov 2019 14:21

Tgt Ion: 98 Resp: 1016667
Ion Ratio Lower Upper
98 100
100 66.1 52.6 78.8





#51

4-Methyl-2-Pentanone

Concen: 103.845 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. 0.00 min

Lab File: VD064176.D

Acq: 11 Nov 2019 14:21

Instrument :

MSVOA_D

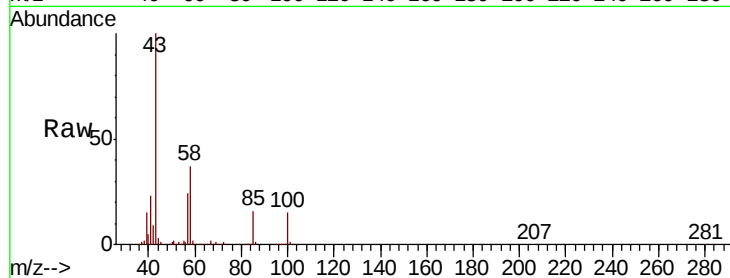
ClientSampleId :

Tot Ion: 43 Resp: 380785

Ion Ratio Lower Upper

43 100

58 37.2 30.2 45.4



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

250000

200000

150000

100000

50000

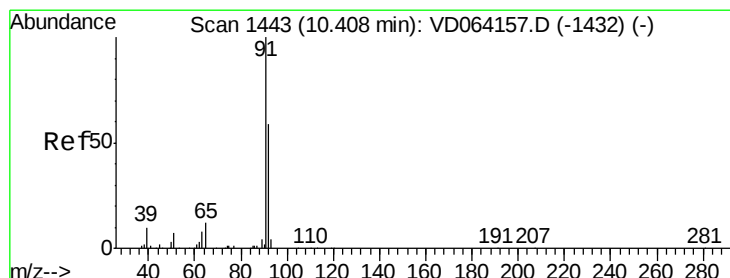
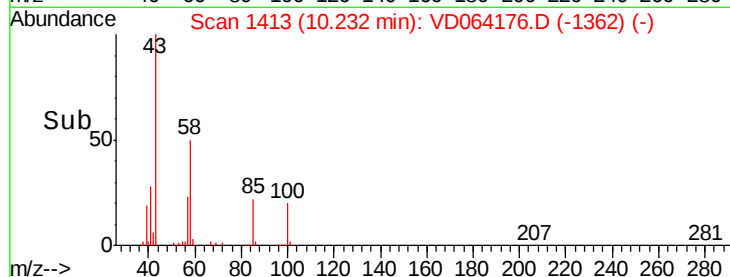
0

10.10

10.20

10.30

Time-->



#52

Toluene

Concen: 20.122 ug/l

RT: 10.40 min Scan# 1442

Delta R.T. -0.01 min

Lab File: VD064176.D

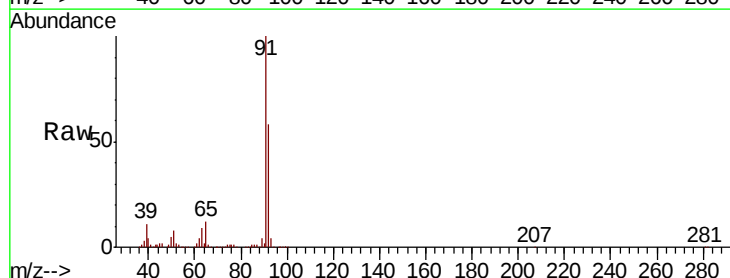
Acq: 11 Nov 2019 14:21

Tgt Ion: 92 Resp: 318330

Ion Ratio Lower Upper

92 100

91 172.2 136.4 204.6



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

300000

200000

100000

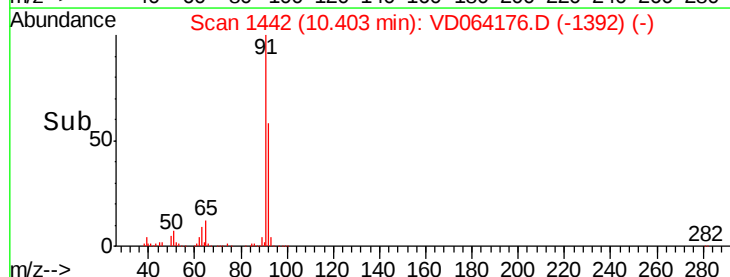
0

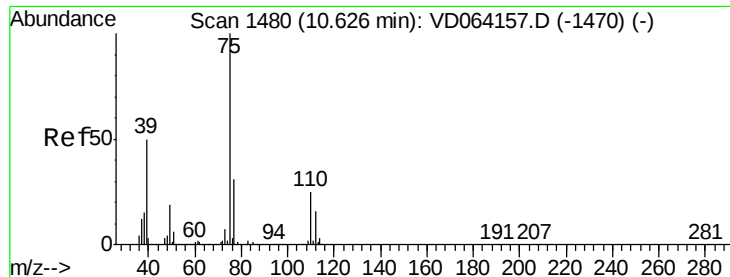
10.30

10.40

10.50

Time-->





#53

t-1,3-Dichloropropene

Concen: 20.292 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. 0.00 min

Lab File: VD064176.D

Acq: 11 Nov 2019 14:21

Instrument :

MSVOA_D

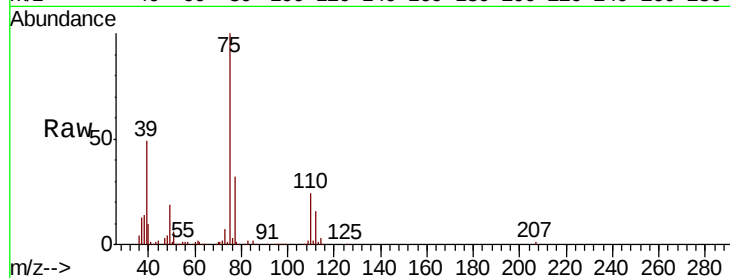
ClientSampled :

Tot Ion: 75 Resp: 171675

Ion Ratio Lower Upper

75 100

77 31.4 24.7 37.1



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 76.90 (76.60 to 77.60): VDC

10.63

100000

80000

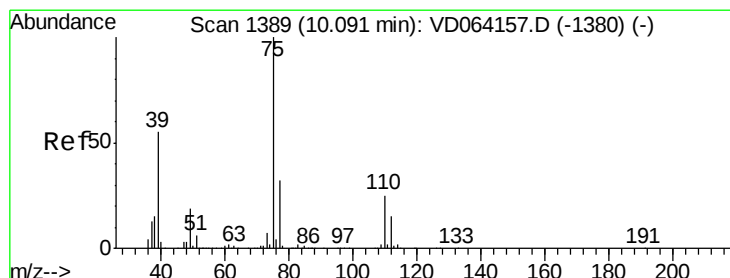
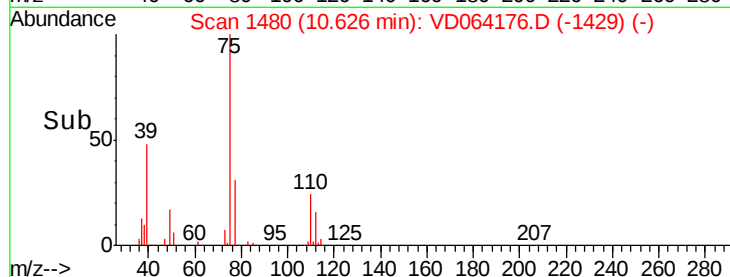
60000

40000

20000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 20.586 ug/l

RT: 10.09 min Scan# 1389

Delta R.T. 0.00 min

Lab File: VD064176.D

Acq: 11 Nov 2019 14:21

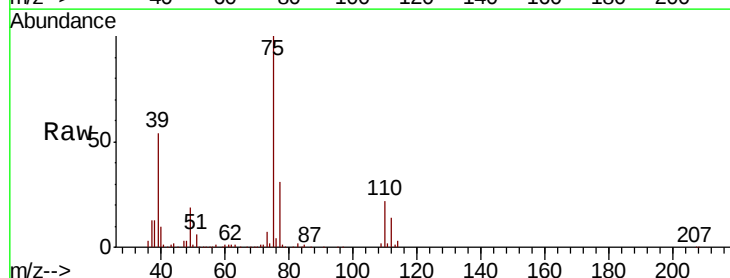
Tgt Ion: 75 Resp: 203225

Ion Ratio Lower Upper

75 100

77 30.7 25.2 37.8

39 53.6 44.2 66.2



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 76.90 (76.60 to 77.60): VDC

Ion 39.00 (38.70 to 39.70): VDC

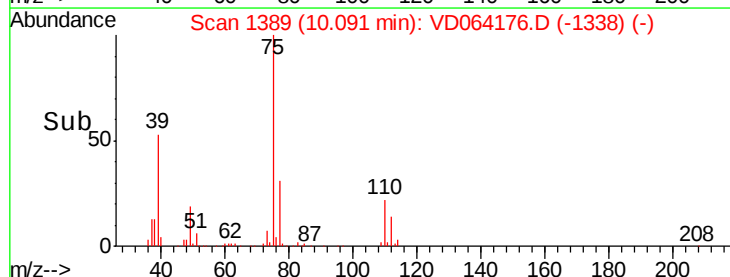
150000

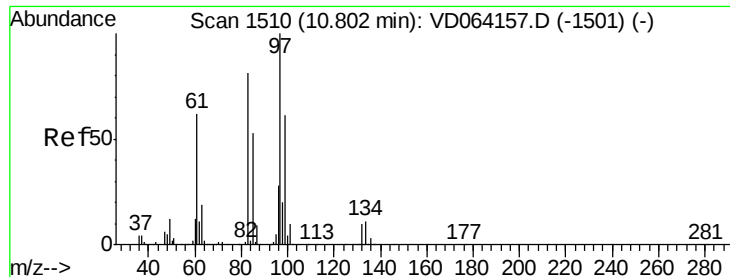
100000

50000

0

Time-->

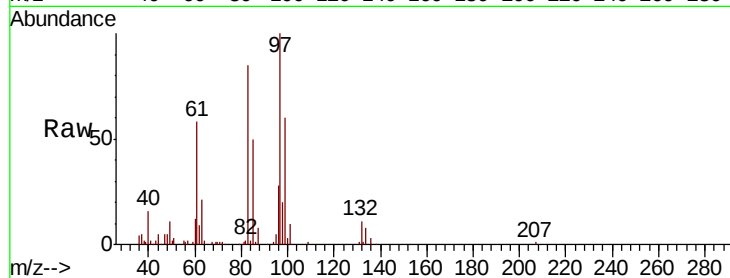




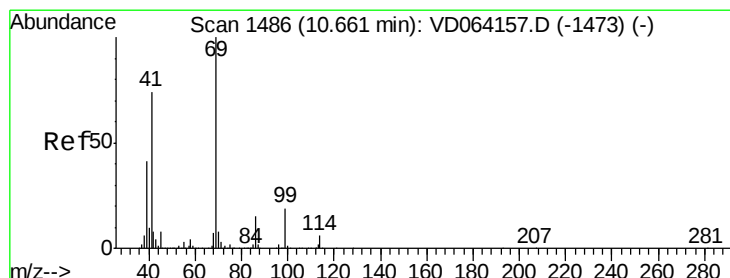
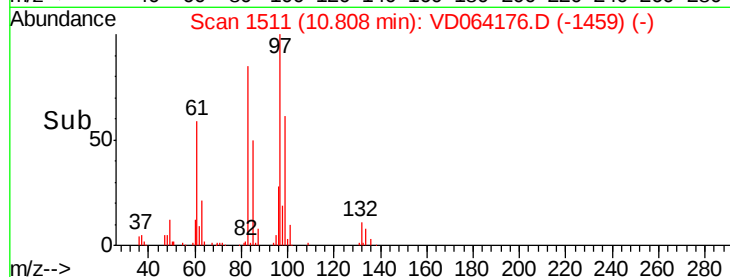
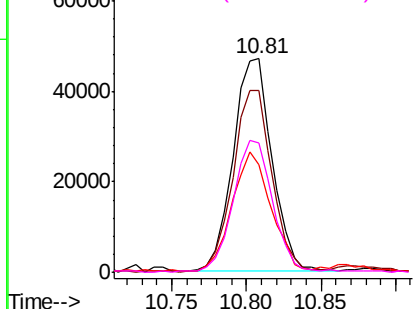
#55
 1,1,2-Trichloroethane
 Concen: 20.000 ug/l
 RT: 10.81 min Scan# 1511
 Delta R.T. 0.01 min
 Lab File: VD064176.D
 Acq: 11 Nov 2019 14:21

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:	97	Resp:	85059
Ion	Ratio	Lower	Upper
97	100		
83	84.8	65.1	97.7
85	50.0	42.0	63.0
99	60.4	48.9	73.3

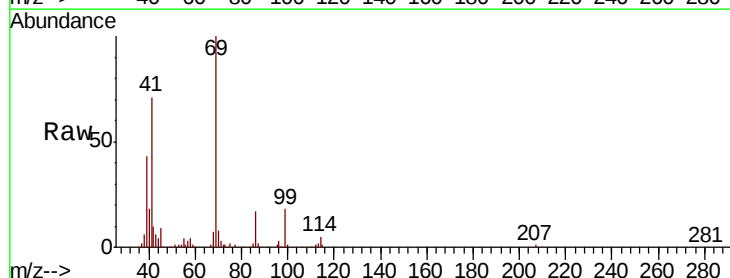


Abundance Ion 96.90 (96.60 to 97.60): VDC
 Ion 82.90 (82.60 to 83.60): VDC
 Ion 84.90 (84.60 to 85.60): VDC
 Ion 98.90 (98.60 to 99.60): VDC

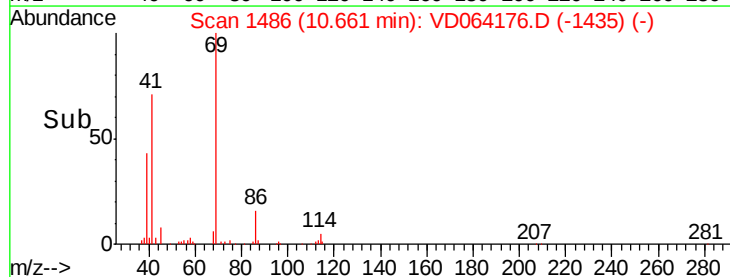
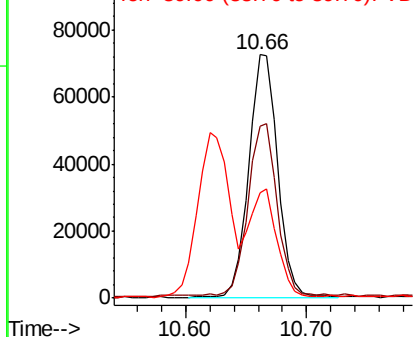


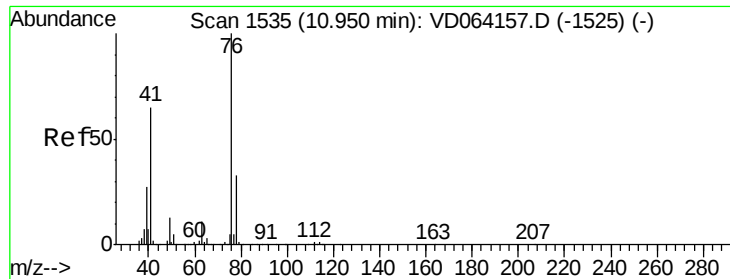
#56
 Ethyl methacrylate
 Concen: 20.296 ug/l
 RT: 10.66 min Scan# 1486
 Delta R.T. 0.00 min
 Lab File: VD064176.D
 Acq: 11 Nov 2019 14:21

Tgt Ion:	69	Resp:	120747
Ion	Ratio	Lower	Upper
69	100		
41	71.8	57.9	86.9
39	43.2	29.0	43.4



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

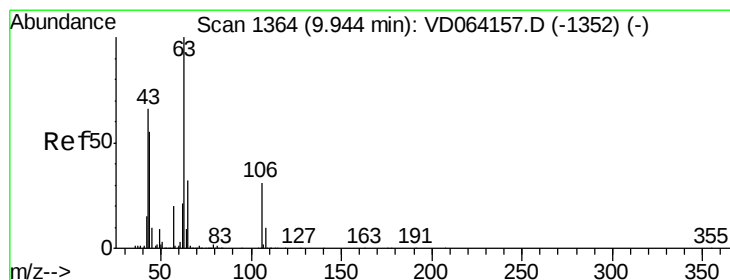
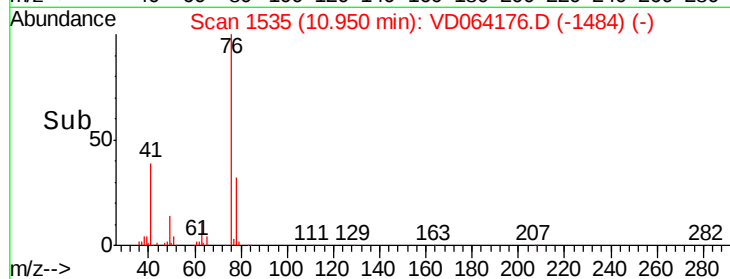
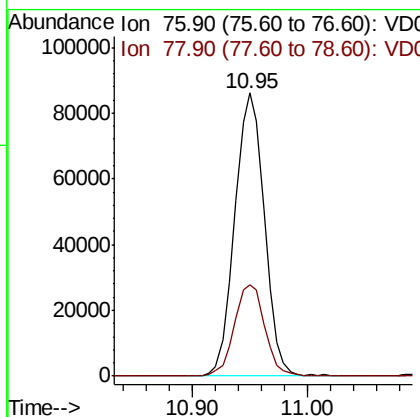
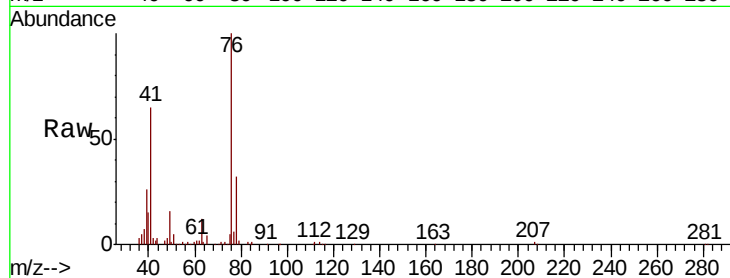




#57
 1,3-Dichloropropane
 Concen: 20.581 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. 0.00 min
 Lab File: VD064176.D
 Acq: 11 Nov 2019 14:21

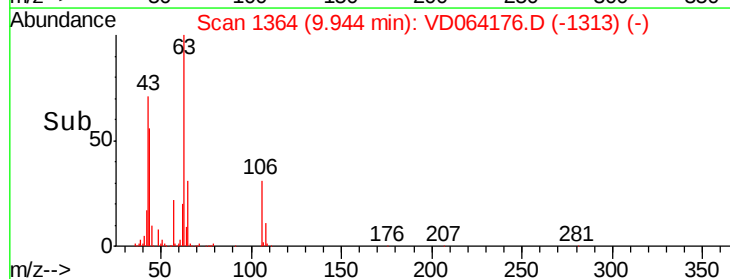
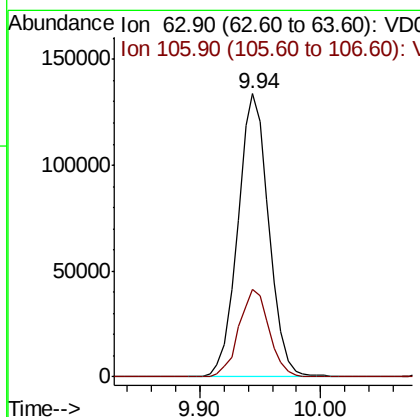
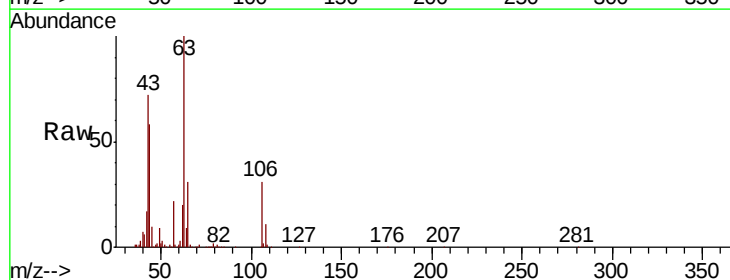
Instrument :
 MSVOA_D
 ClientSampleId :

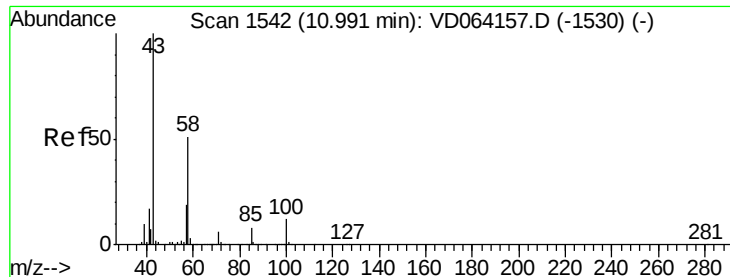
Tot Ion: 76 Resp: 152652
 Ion Ratio Lower Upper
 76 100
 78 33.1 26.2 39.4



#58
 2-Chloroethyl Vinyl ether
 Concen: 98.899 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. 0.00 min
 Lab File: VD064176.D
 Acq: 11 Nov 2019 14:21

Tgt Ion: 63 Resp: 238334
 Ion Ratio Lower Upper
 63 100
 106 30.4 24.1 36.1

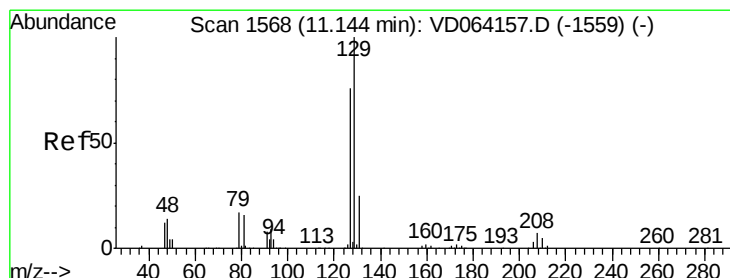
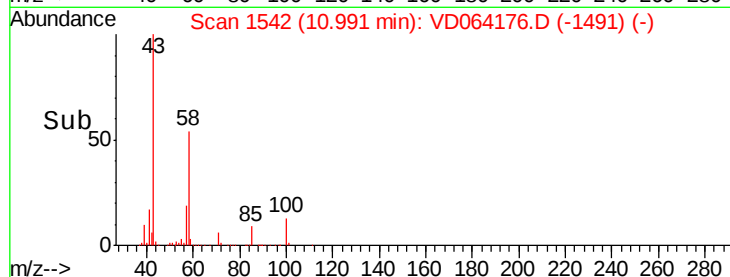
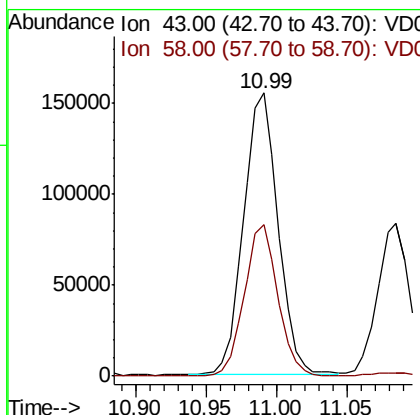
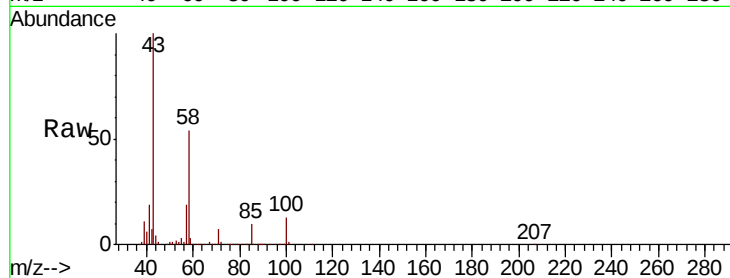




#59
2-Hexanone
Concen: 101.944 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD064176.D
Acq: 11 Nov 2019 14:21

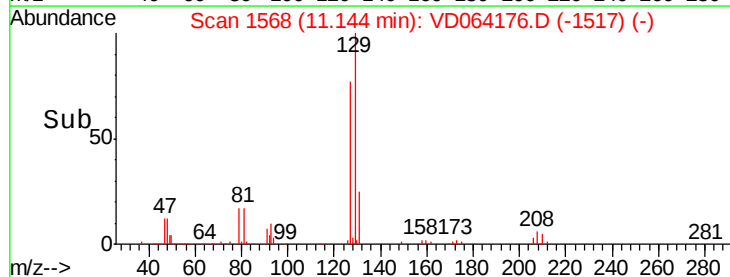
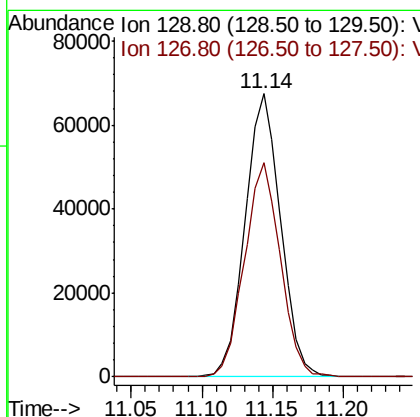
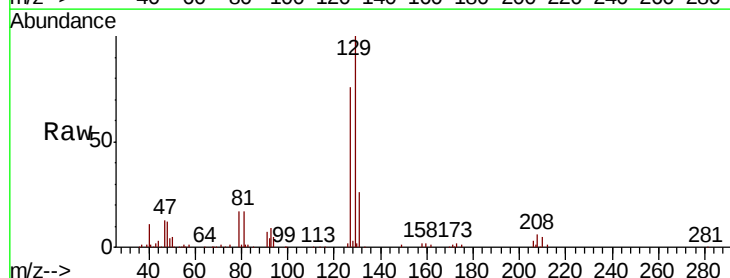
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 43 Resp: 265950
Ion Ratio Lower Upper
43 100
58 52.4 25.9 77.7



#60
Dibromochloromethane
Concen: 20.073 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD064176.D
Acq: 11 Nov 2019 14:21

Tgt Ion: 129 Resp: 119119
Ion Ratio Lower Upper
129 100
127 76.4 38.6 115.8

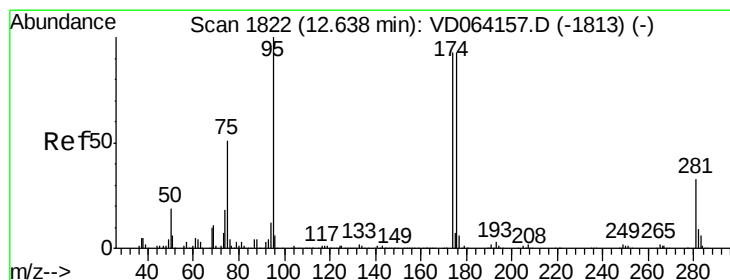
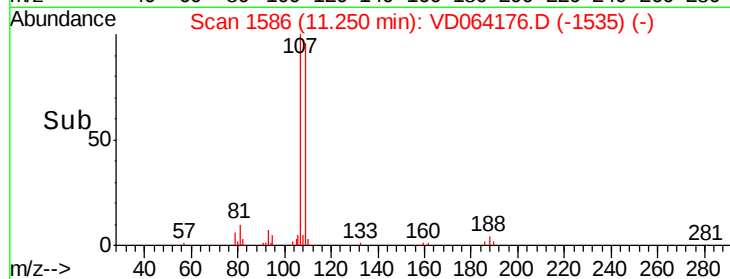
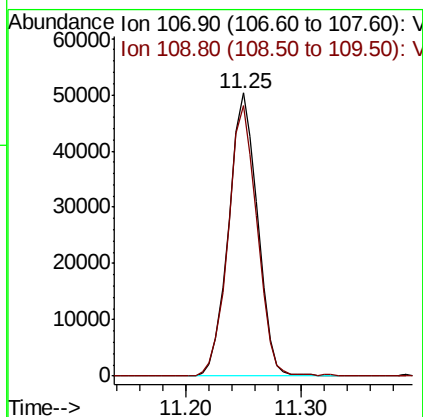
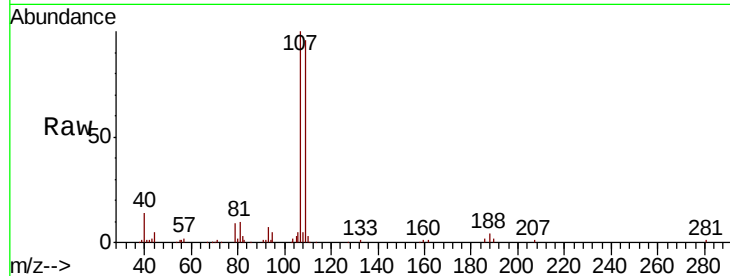




#61
 1,2-Dibromoethane
 Concen: 20.441 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD064176.D
 Acq: 11 Nov 2019 14:21

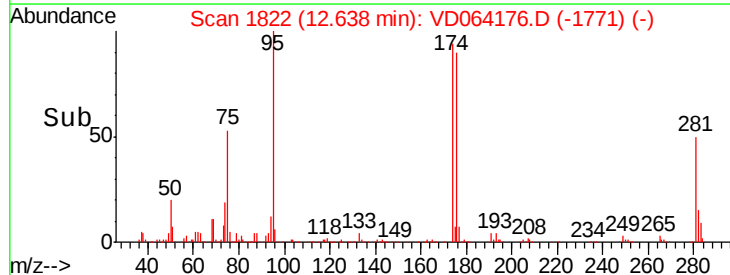
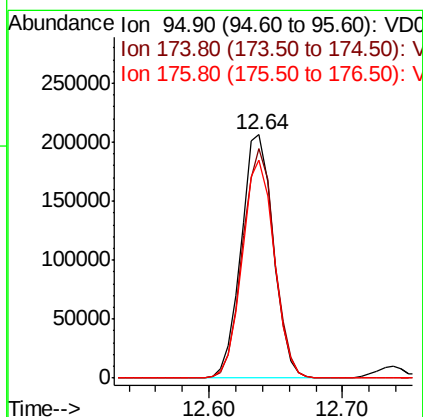
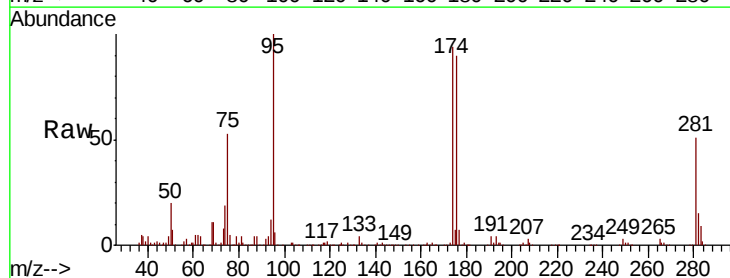
Instrument :
 MSVOA_D
 ClientSampled :

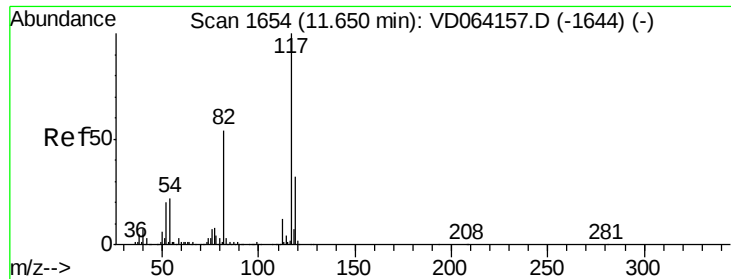
Tot Ion: 107 Resp: 87071
 Ion Ratio Lower Upper
 107 100
 109 96.1 75.1 112.7



#62
 4-Bromofluorobenzene
 Concen: 47.964 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD064176.D
 Acq: 11 Nov 2019 14:21

Tgt Ion: 95 Resp: 343085
 Ion Ratio Lower Upper
 95 100
 174 93.1 0.0 183.6
 176 89.2 0.0 180.2

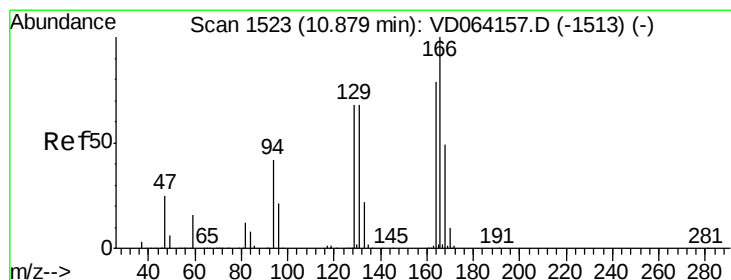
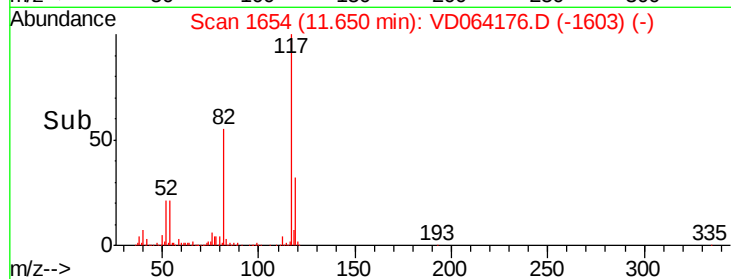
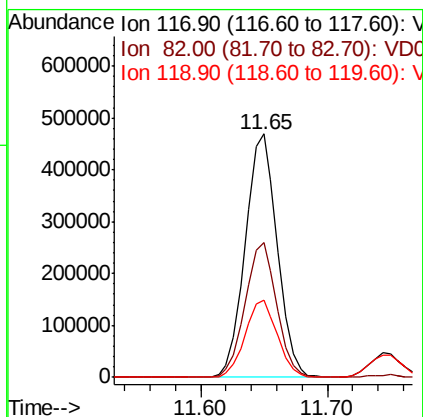
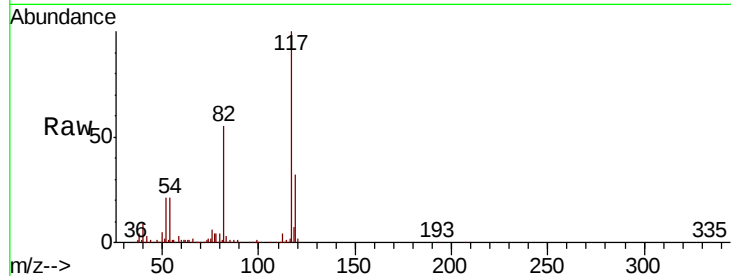




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD064176.D
Acq: 11 Nov 2019 14:21

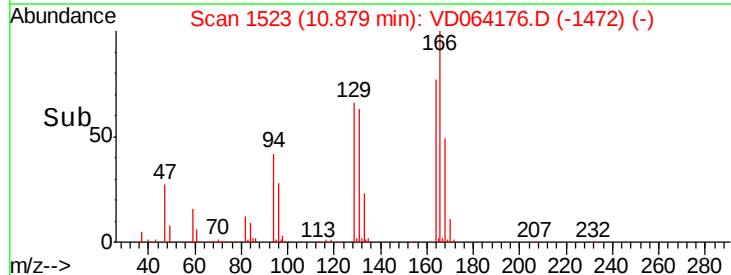
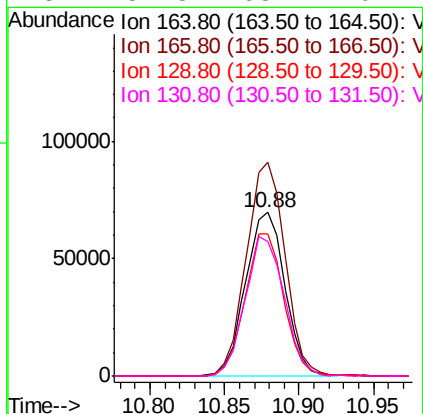
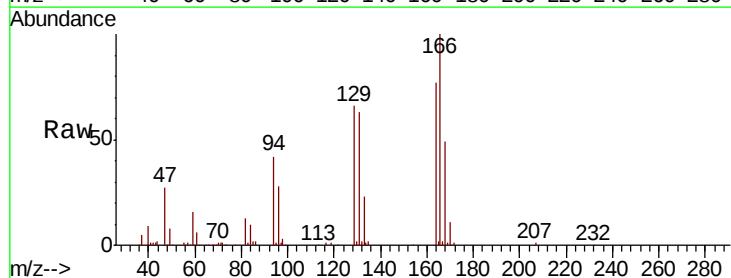
Instrument :
MSVOA_D
ClientSampleId :

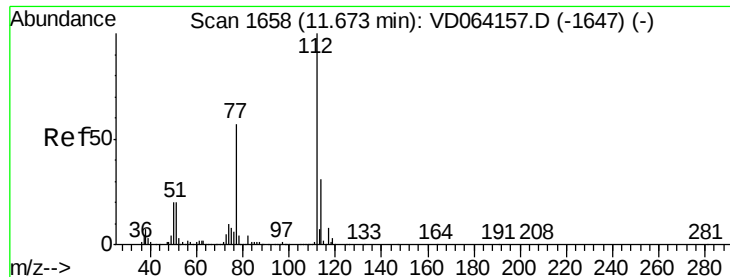
Tot Ion:117 Resp: 822094
Ion Ratio Lower Upper
117 100
82 55.4 42.8 64.2
119 31.9 25.6 38.4



#64
Tetrachloroethene
Concen: 20.115 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD064176.D
Acq: 11 Nov 2019 14:21

Tgt Ion:164 Resp: 127182
Ion Ratio Lower Upper
164 100
166 130.7 100.8 151.2
129 86.8 68.7 103.1
131 82.3 68.1 102.1

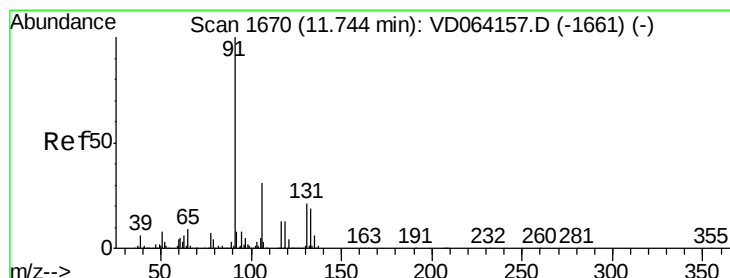
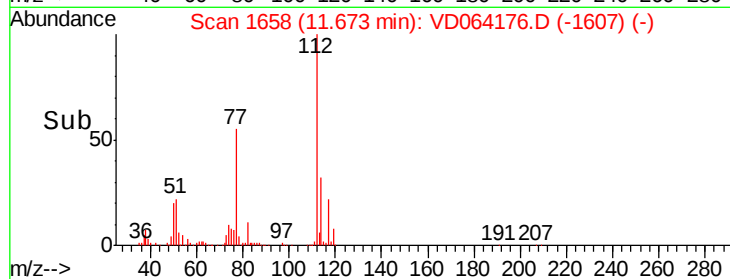
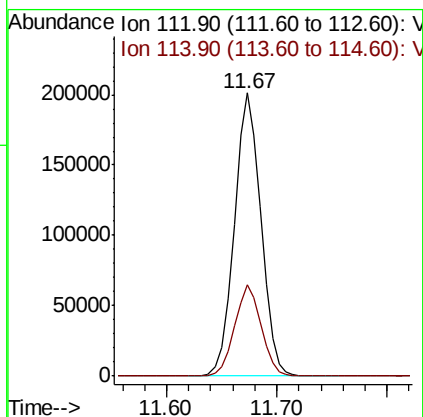
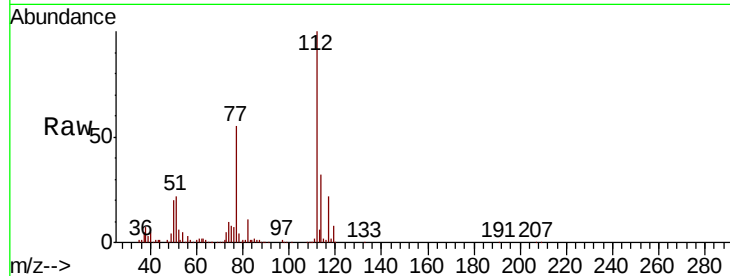




#65
Chlorobenzene
Concen: 20.323 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD064176.D
Acq: 11 Nov 2019 14:21

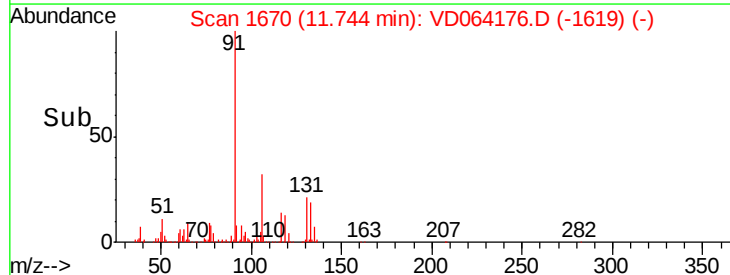
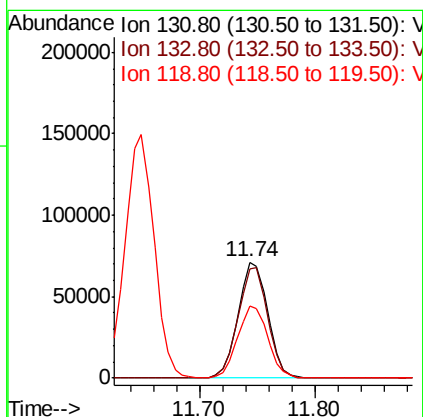
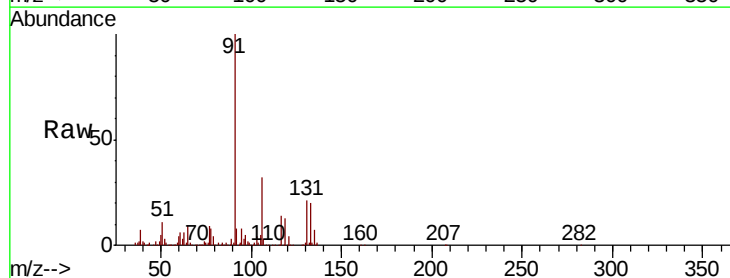
Instrument :
MSVOA_D
ClientSampleId :

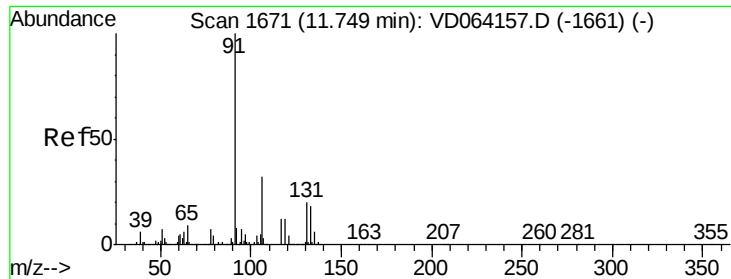
Tot Ion:112 Resp: 339740
Ion Ratio Lower Upper
112 100
114 32.4 25.2 37.8



#66
1,1,1,2-Tetrachloroethane
Concen: 19.980 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VD064176.D
Acq: 11 Nov 2019 14:21

Tgt Ion:131 Resp: 127006
Ion Ratio Lower Upper
131 100
133 95.5 47.3 141.9
119 63.2 31.1 93.3





#67

Ethyl Benzene

Concen: 20.404 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD064176.D

Acq: 11 Nov 2019 14:21

Instrument :

MSVOA_D

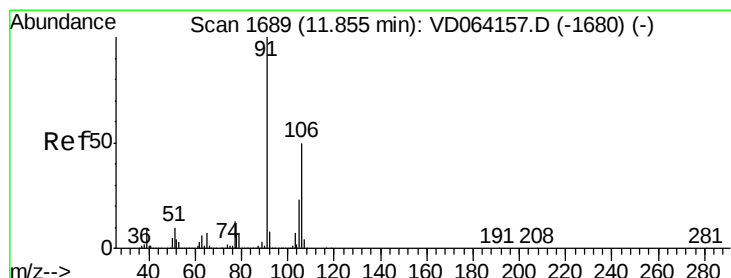
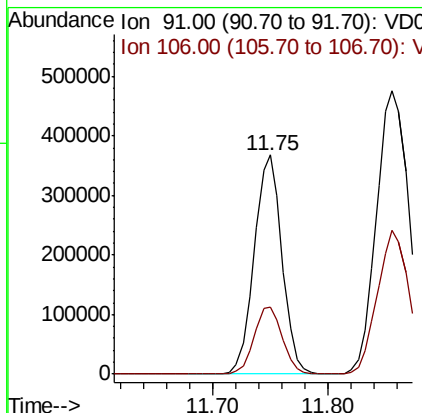
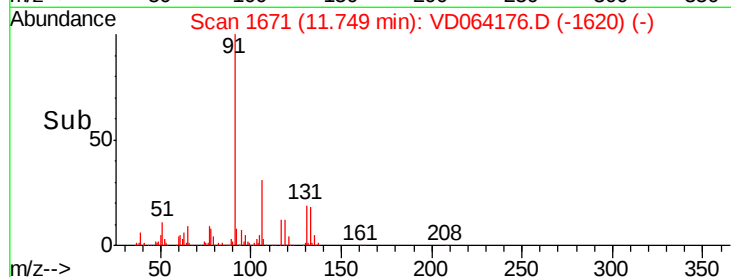
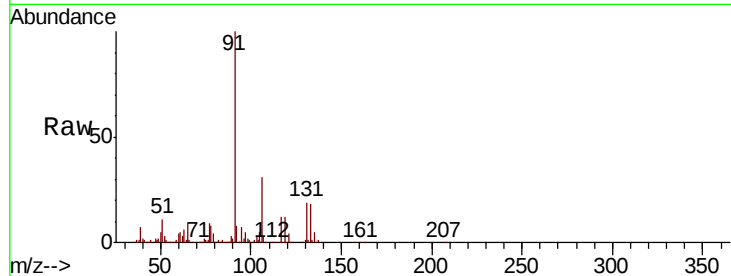
ClientSampled :

Tot Ion: 91 Resp: 616989

Ion Ratio Lower Upper

91 100

106 30.6 25.5 38.3



#68

m/p-Xylenes

Concen: 40.078 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. 0.00 min

Lab File: VD064176.D

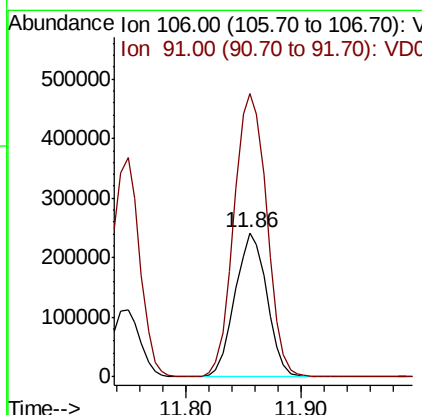
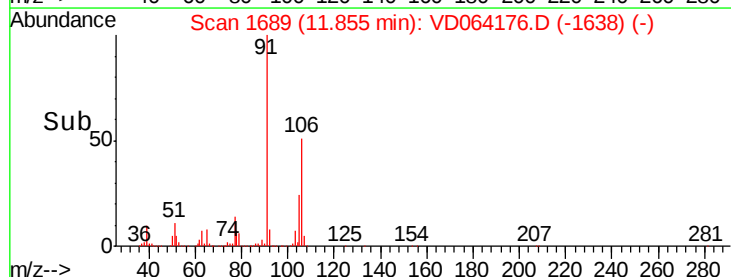
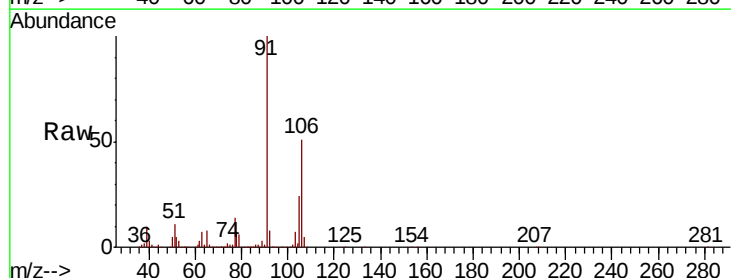
Acq: 11 Nov 2019 14:21

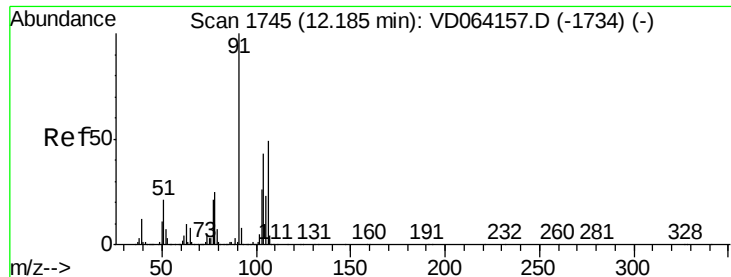
Tgt Ion: 106 Resp: 464528

Ion Ratio Lower Upper

106 100

91 201.8 160.3 240.5

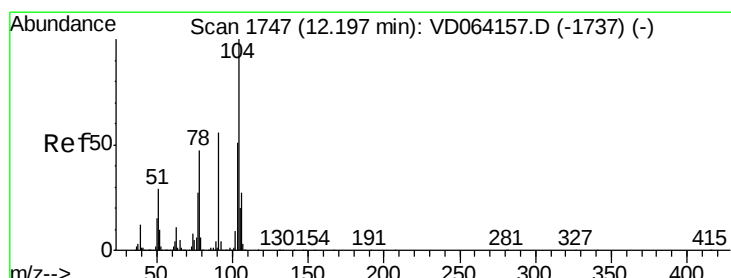
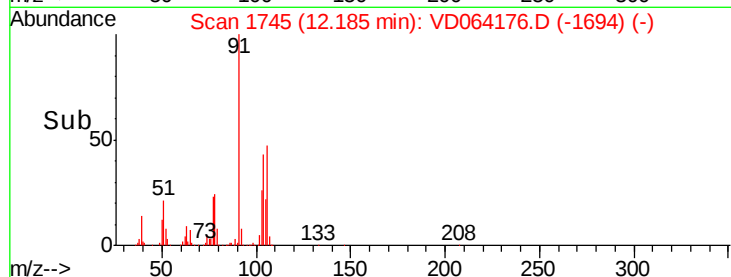
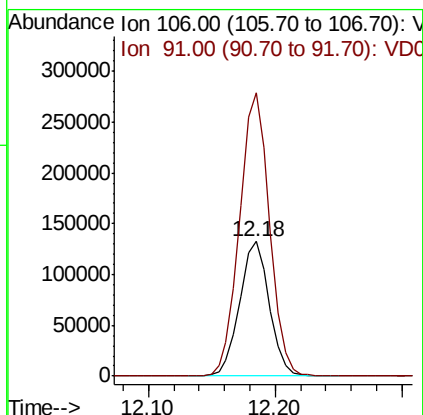
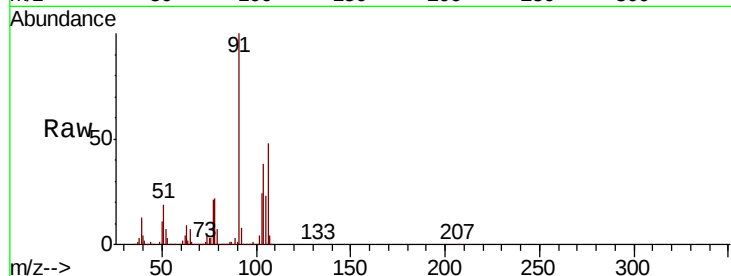




#69
o-Xylene
Concen: 20.039 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD064176.D
Acq: 11 Nov 2019 14:21

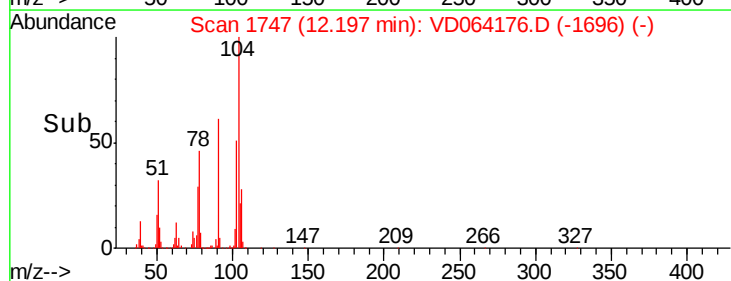
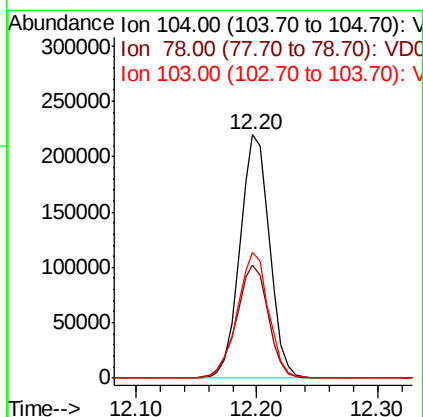
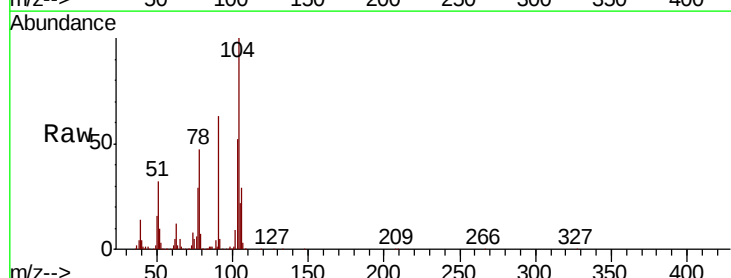
Instrument :
MSVOA_D
ClientSampleId :

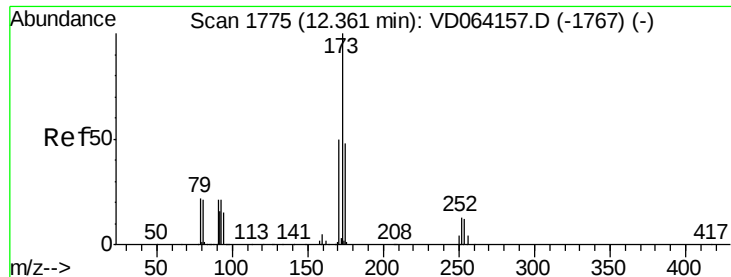
Tot Ion:106 Resp: 215410
Ion Ratio Lower Upper
106 100
91 212.7 105.1 315.3



#70
Styrene
Concen: 20.010 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VD064176.D
Acq: 11 Nov 2019 14:21

Tgt Ion:104 Resp: 375469
Ion Ratio Lower Upper
104 100
78 50.0 39.9 59.9
103 54.3 43.4 65.0





#71

Bromoform

Concen: 20.551 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. 0.01 min

Lab File: VD064176.D

Acq: 11 Nov 2019 14:21

Instrument :

MSVOA_D

ClientSampled :

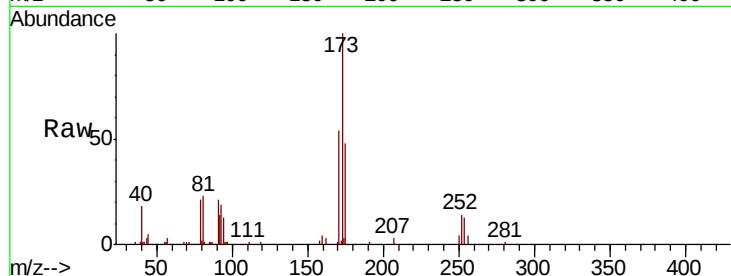
Tot Ion:173 Resp: 74344

Ion Ratio Lower Upper

173 100

175 48.3 24.1 72.3

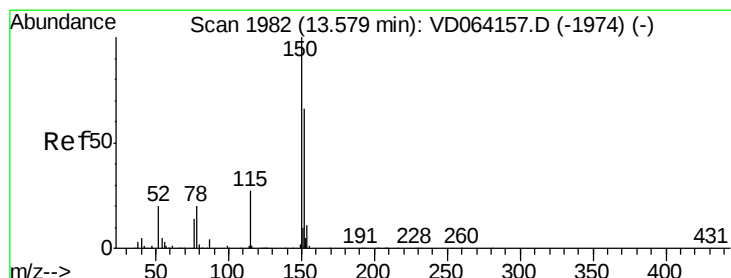
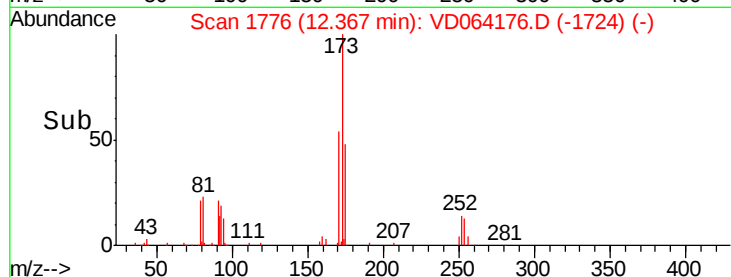
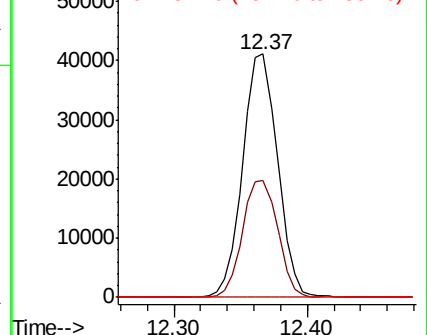
254 0.0 0.2 0.2#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1982

Delta R.T. 0.00 min

Lab File: VD064176.D

Acq: 11 Nov 2019 14:21

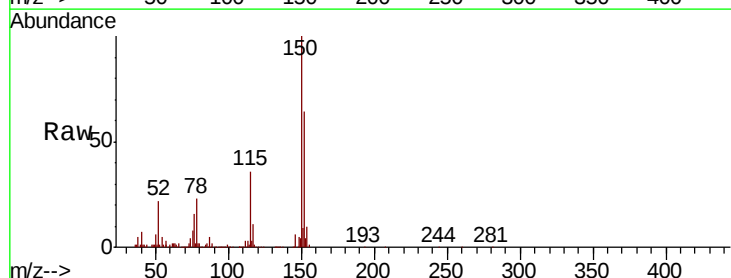
Tgt Ion:152 Resp: 393460

Ion Ratio Lower Upper

152 100

115 56.1 27.4 82.2

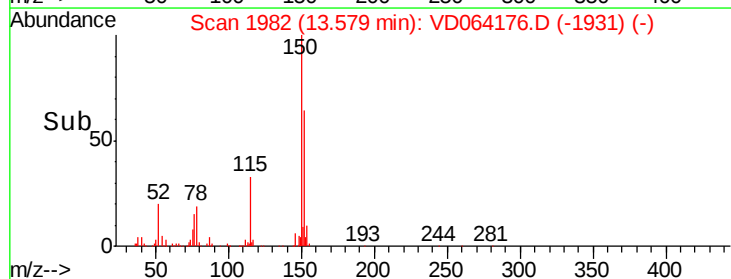
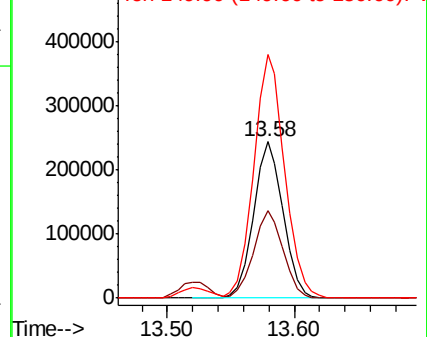
150 163.5 0.0 351.6

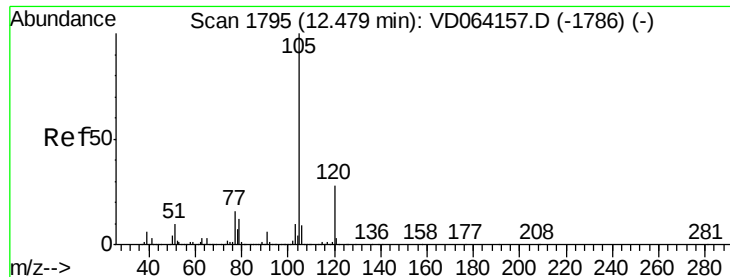


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.733 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.01 min

Lab File: VD064176.D

Acq: 11 Nov 2019 14:21

Instrument :

MSVOA_D

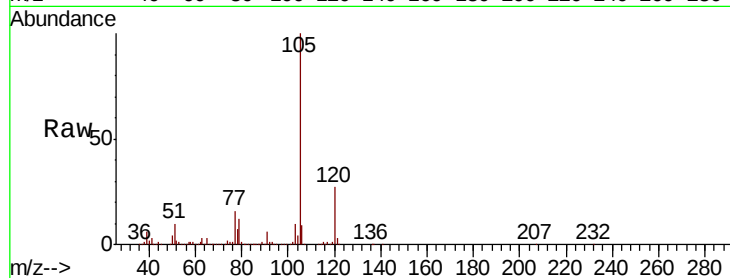
ClientSampleId :

Tot Ion:105 Resp: 598776

Ion Ratio Lower Upper

105 100

120 26.8 13.6 40.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.48

400000

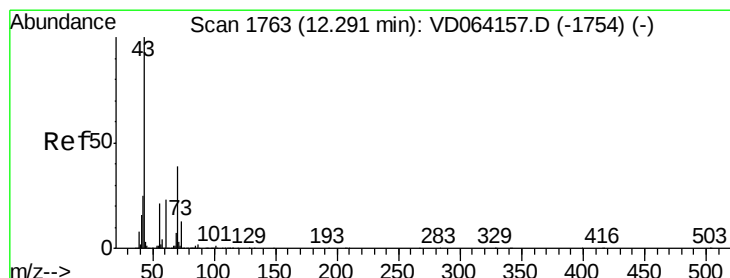
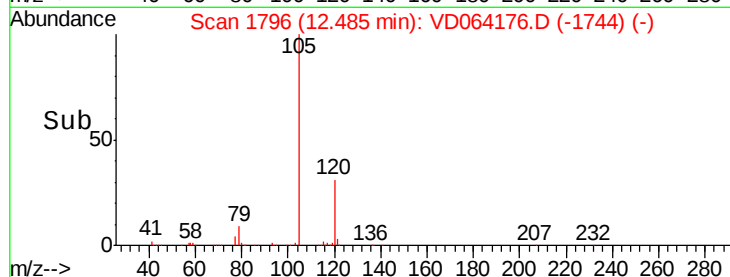
300000

200000

100000

0

Time-->



#74

N-ethyl acetate

Concen: 21.069 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. 0.00 min

Lab File: VD064176.D

Acq: 11 Nov 2019 14:21

Tgt Ion: 43 Resp: 143689

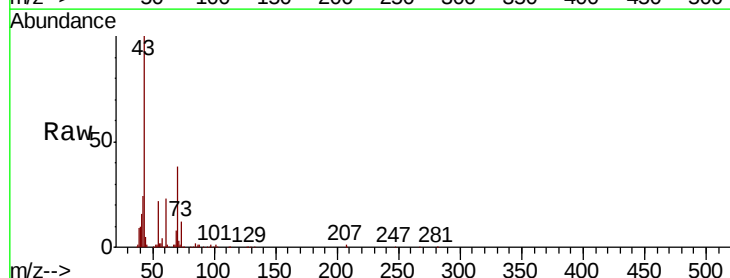
Ion Ratio Lower Upper

43 100

70 39.5 32.4 48.6

55 24.0 17.9 26.9

61 23.2 19.0 28.4



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

12.29

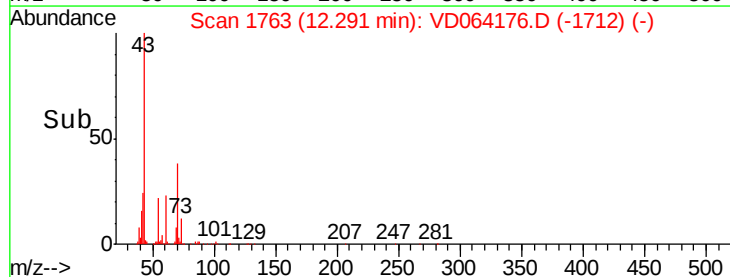
150000

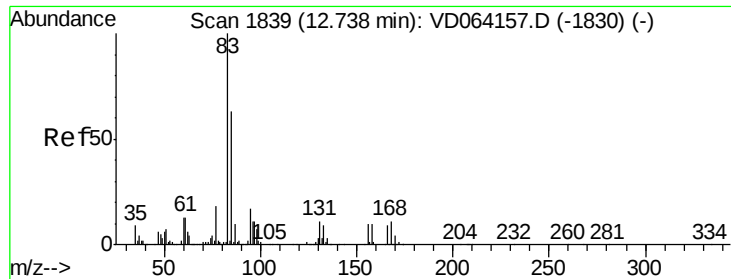
100000

50000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 21.539 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD064176.D

Acq: 11 Nov 2019 14:21

Instrument :

MSVOA_D

ClientSampleId :

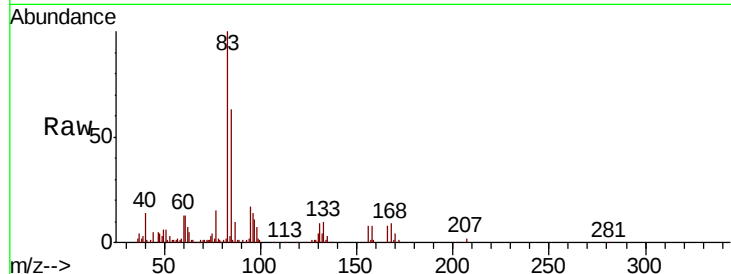
Tot Ion: 83 Resp: 93732

Ion Ratio Lower Upper

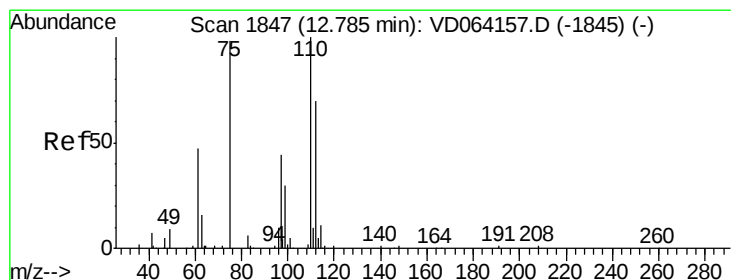
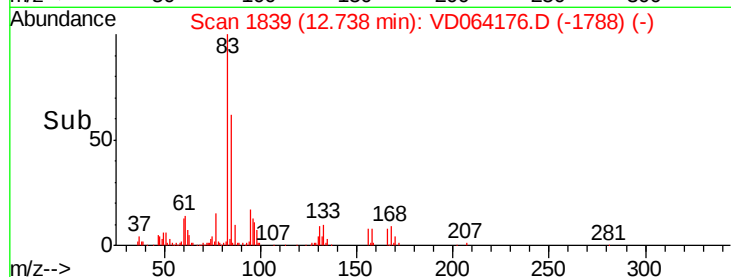
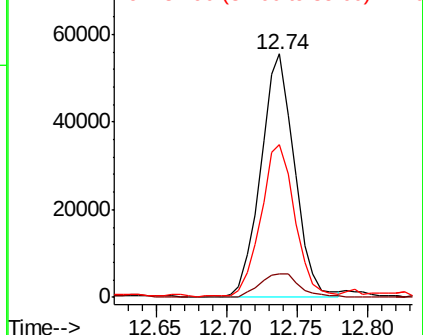
83 100

131 11.2 5.9 17.7

85 63.7 32.5 97.5



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



#76

1,2,3-Trichloropropane

Concen: 39.682 ug/l

RT: 12.78 min Scan# 1847

Delta R.T. 0.00 min

Lab File: VD064176.D

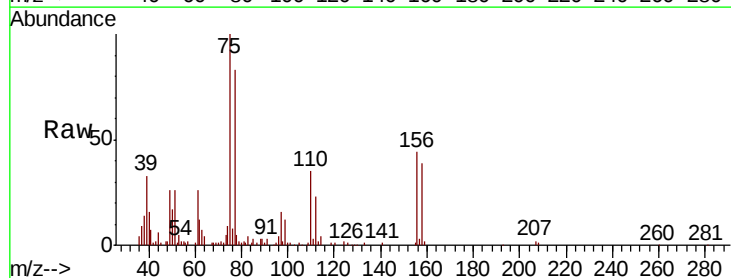
Acq: 11 Nov 2019 14:21

Tgt Ion: 75 Resp: 125760

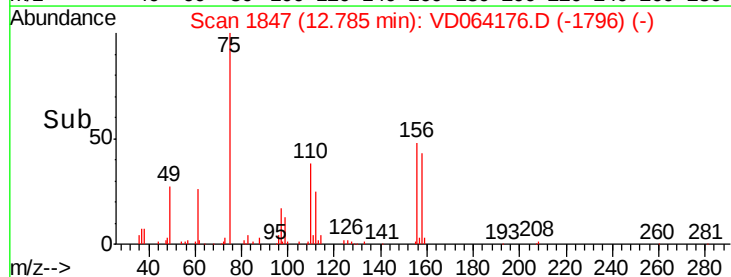
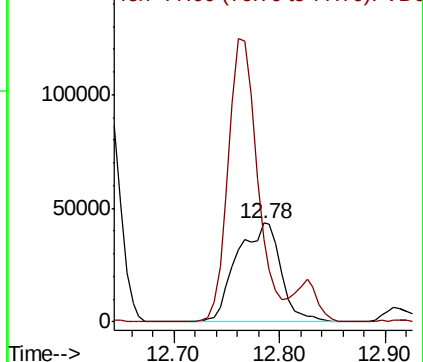
Ion Ratio Lower Upper

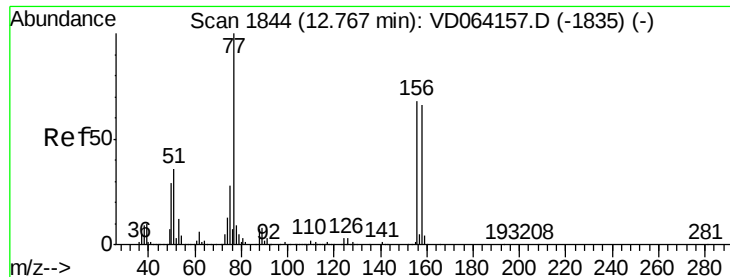
75 100

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: 20.329 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD064176.D

Acq: 11 Nov 2019 14:21

Instrument :

MSVOA_D

ClientSampleId :

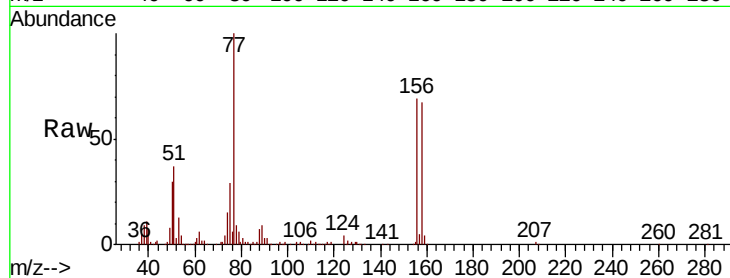
Tot Ion:156 Resp: 142631

Ion Ratio Lower Upper

156 100

77 168.1 81.2 243.4

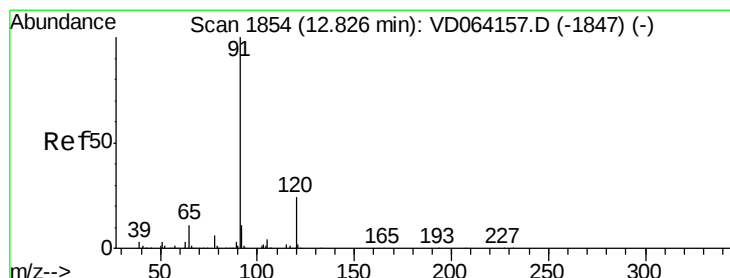
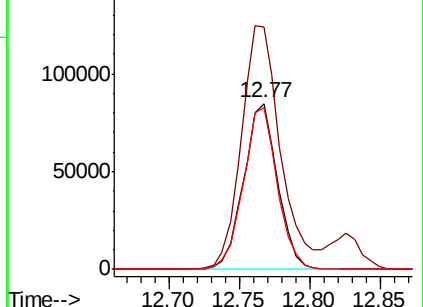
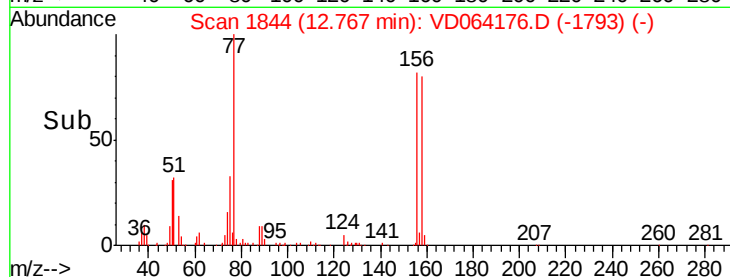
158 97.3 48.4 145.2



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.858 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD064176.D

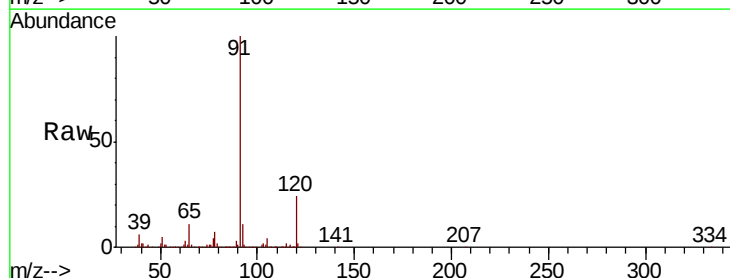
Acq: 11 Nov 2019 14:21

Tgt Ion: 91 Resp: 688233

Ion Ratio Lower Upper

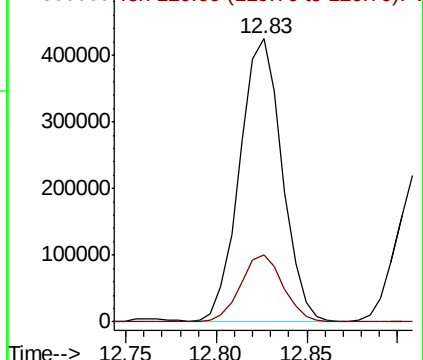
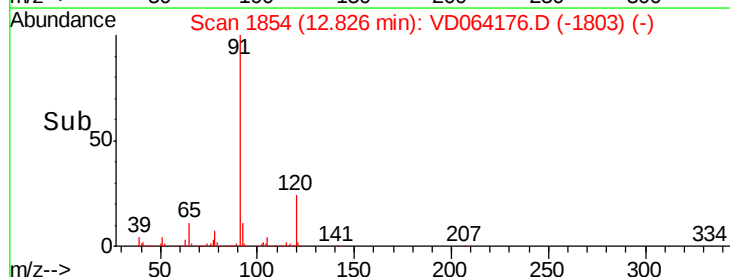
91 100

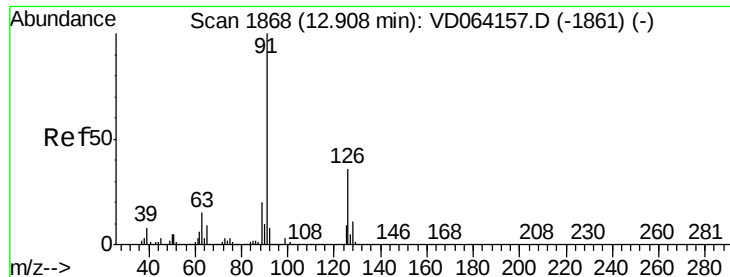
120 23.8 11.8 35.4



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.495 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.01 min

Lab File: VD064176.D

Acq: 11 Nov 2019 14:21

Instrument :

MSVOA_D

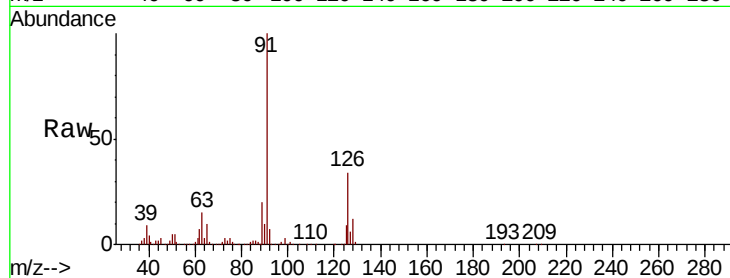
ClientSampleId :

Tot Ion: 91 Resp: 381797

Ion Ratio Lower Upper

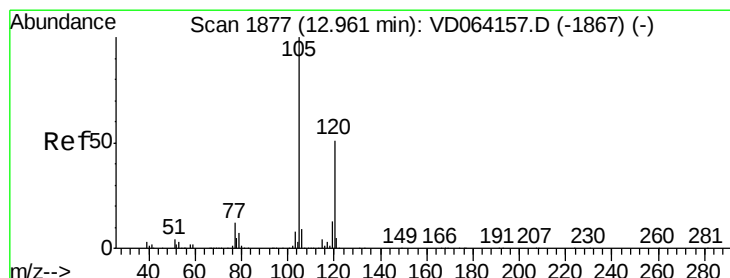
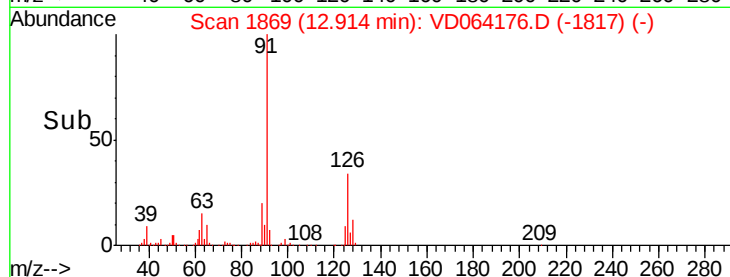
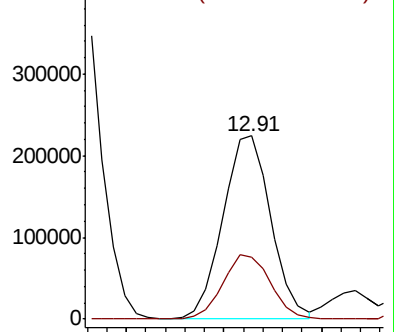
91 100

126 35.0 17.7 53.1



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 20.544 ug/l

RT: 12.96 min Scan# 1877

Delta R.T. 0.00 min

Lab File: VD064176.D

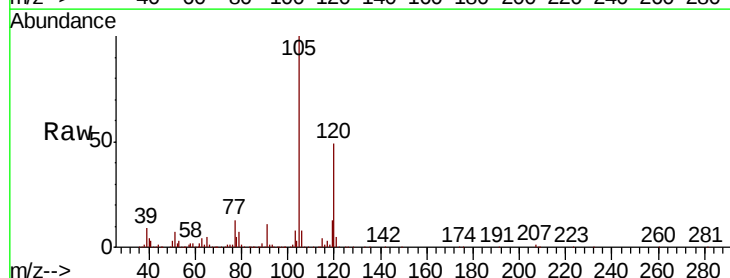
Acq: 11 Nov 2019 14:21

Tgt Ion: 105 Resp: 487526

Ion Ratio Lower Upper

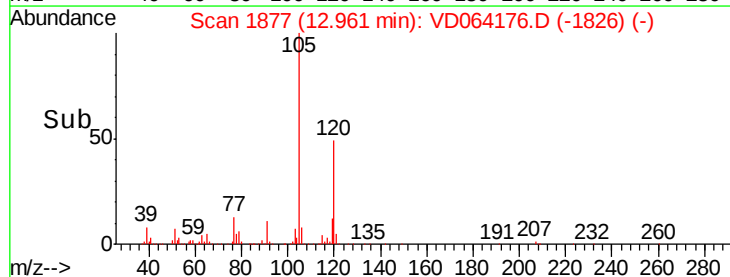
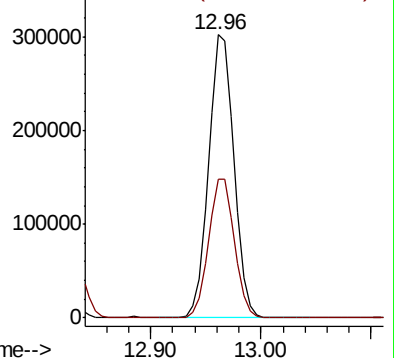
105 100

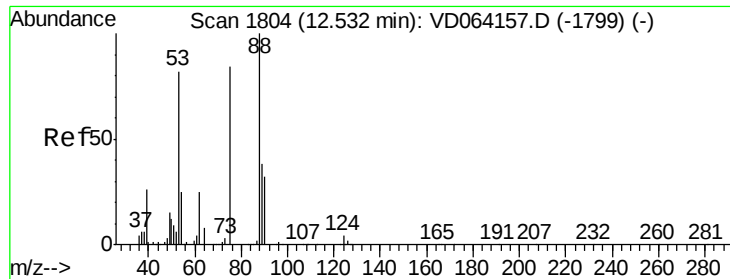
120 50.0 25.4 76.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

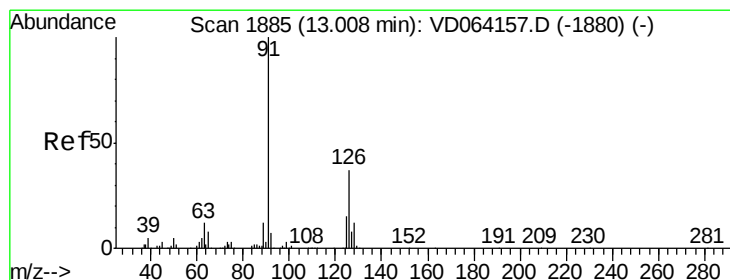
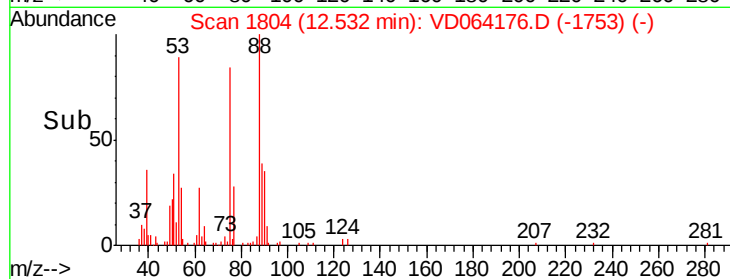
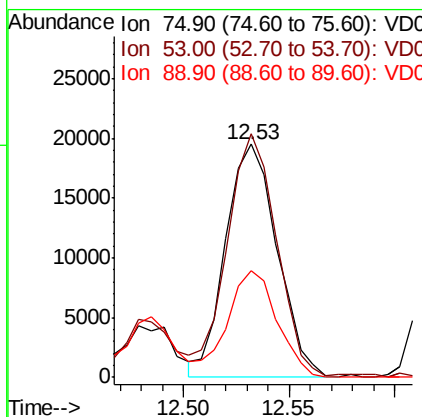
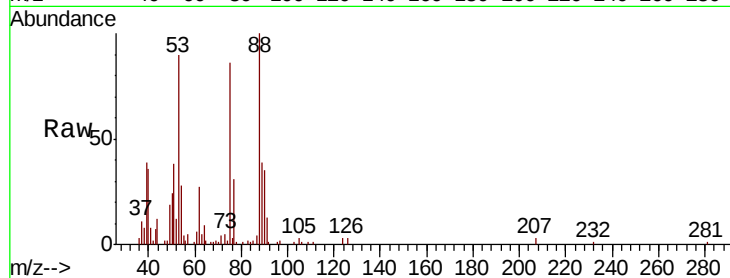




#81
trans-1,4-Dichloro-2-butene
Concen: 20.694 ug/l
RT: 12.53 min Scan# 1804
Delta R.T. 0.00 min
Lab File: VD064176.D
Acq: 11 Nov 2019 14:21

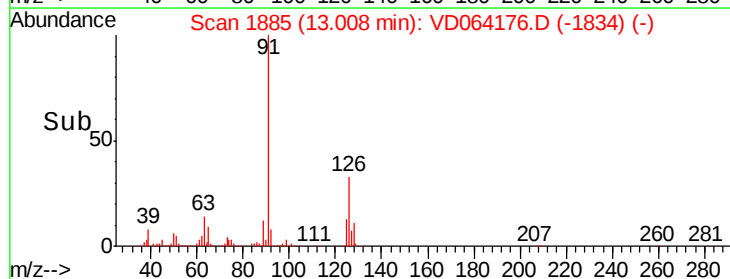
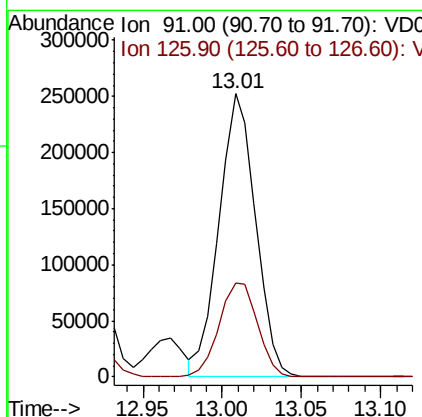
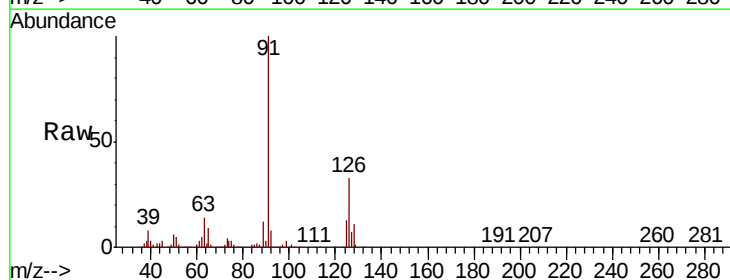
Instrument :
MSVOA_D
ClientSampleId :

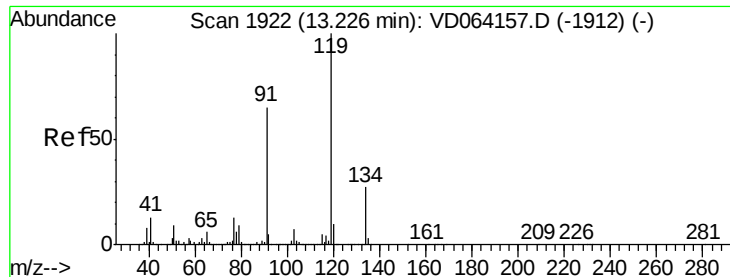
Tot Ion: 75 Resp: 33016
Ion Ratio Lower Upper
75 100
53 98.5 79.4 119.0
89 44.5 36.6 55.0



#82
4-Chlorotoluene
Concen: 20.770 ug/l
RT: 13.01 min Scan# 1885
Delta R.T. 0.00 min
Lab File: VD064176.D
Acq: 11 Nov 2019 14:21

Tgt Ion: 91 Resp: 403558
Ion Ratio Lower Upper
91 100
126 35.0 17.8 53.4





#83

tert-Butylbenzene

Concen: 20.401 ug/l

RT: 13.23 min Scan# 1922

Delta R.T. 0.00 min

Lab File: VD064176.D

Acq: 11 Nov 2019 14:21

Instrument :

MSVOA_D

ClientSampleId :

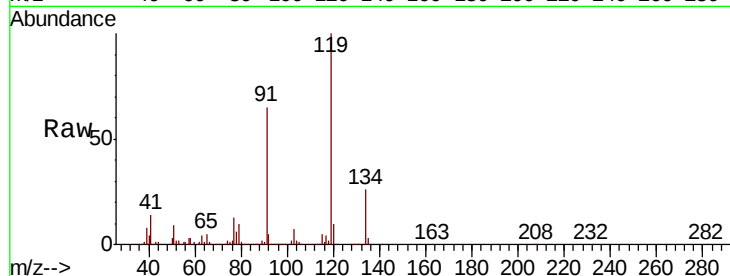
Tot Ion:119 Resp: 426893

Ion Ratio Lower Upper

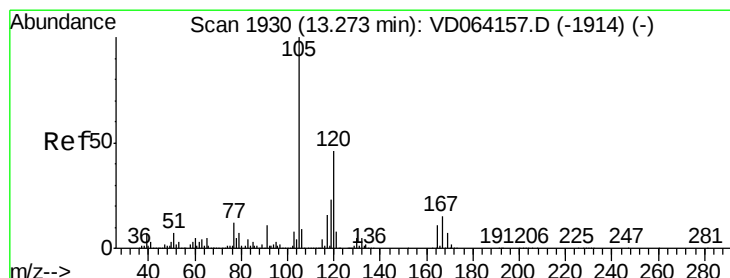
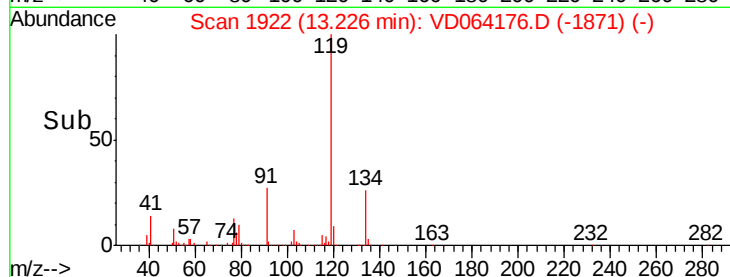
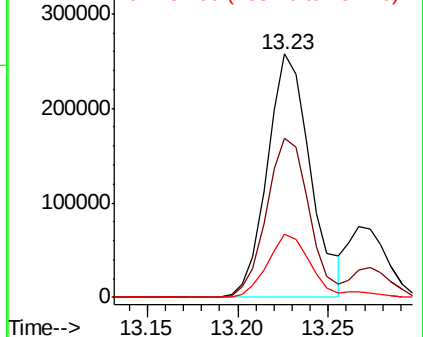
119 100

91 64.8 31.8 95.4

134 27.3 13.7 41.0



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



#84

1,2,4-Trimethylbenzene

Concen: 20.634 ug/l

RT: 13.27 min Scan# 1930

Delta R.T. 0.00 min

Lab File: VD064176.D

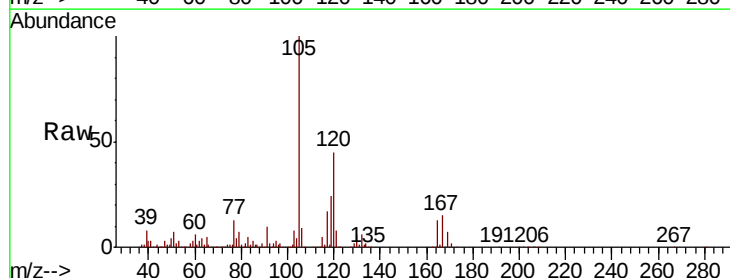
Acq: 11 Nov 2019 14:21

Tgt Ion:105 Resp: 483410

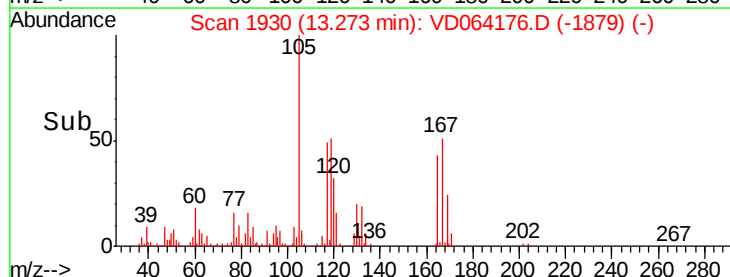
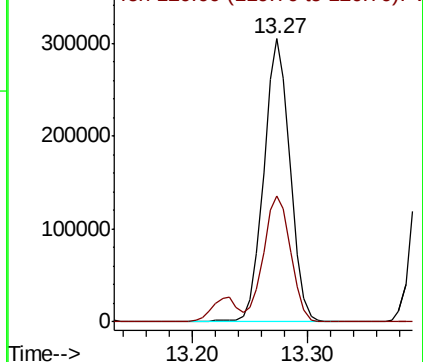
Ion Ratio Lower Upper

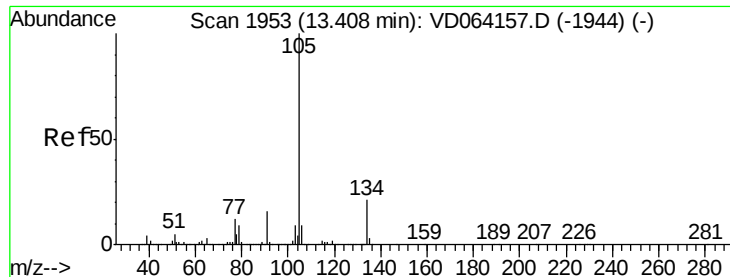
105 100

120 46.2 23.3 69.8



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





#85

sec-Butylbenzene

Concen: 20.710 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.00 min

Lab File: VD064176.D

Acq: 11 Nov 2019 14:21

Instrument :

MSVOA_D

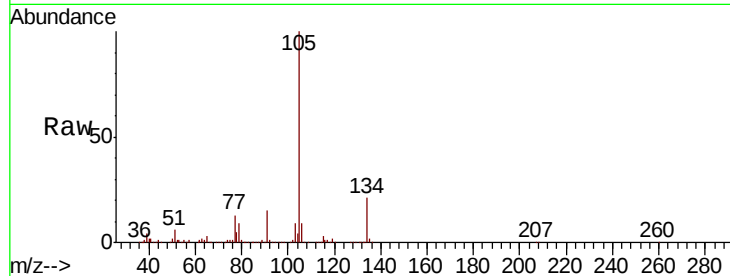
ClientSampleId :

Tot Ion:105 Resp: 582029

Ion Ratio Lower Upper

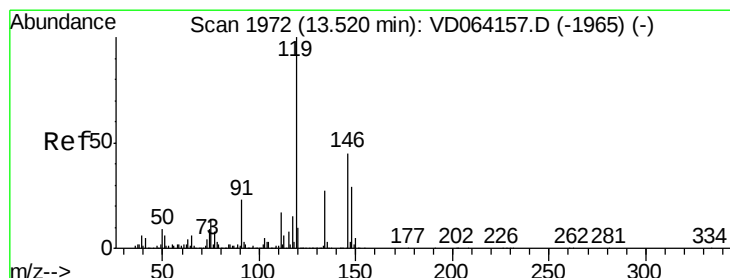
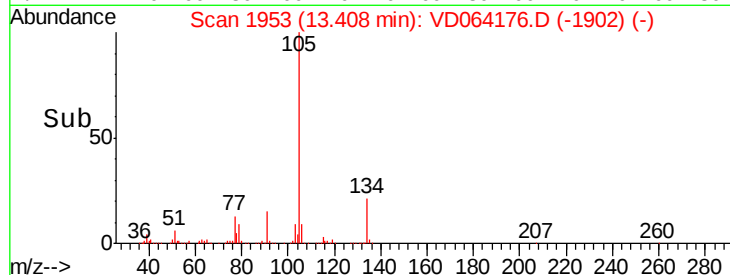
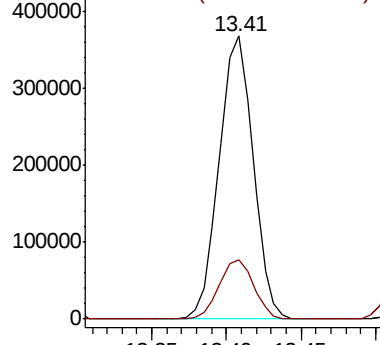
105 100

134 21.3 10.7 31.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 20.402 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VD064176.D

Acq: 11 Nov 2019 14:21

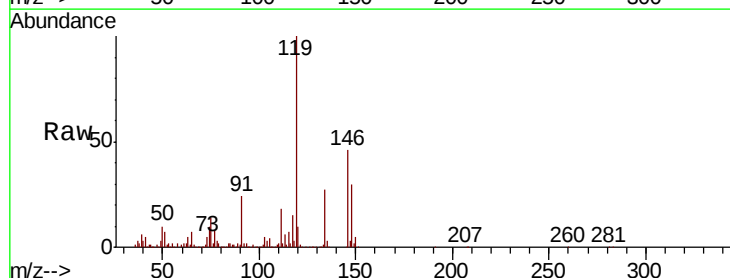
Tgt Ion:119 Resp: 545123

Ion Ratio Lower Upper

119 100

134 26.4 13.5 40.5

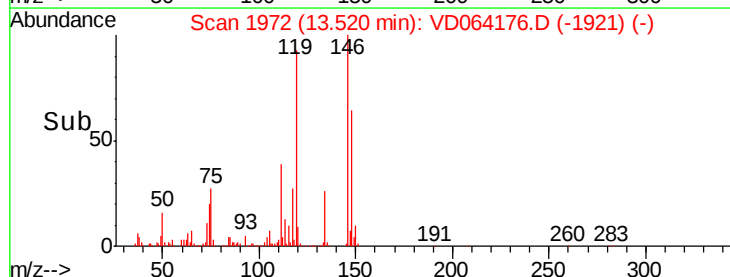
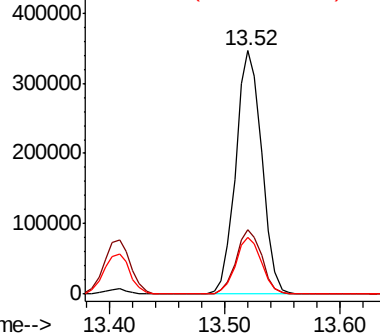
91 23.2 11.5 34.4

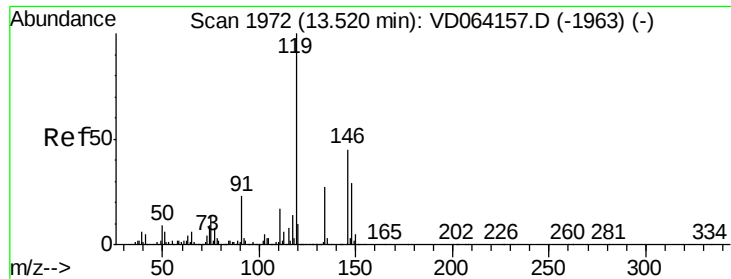


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

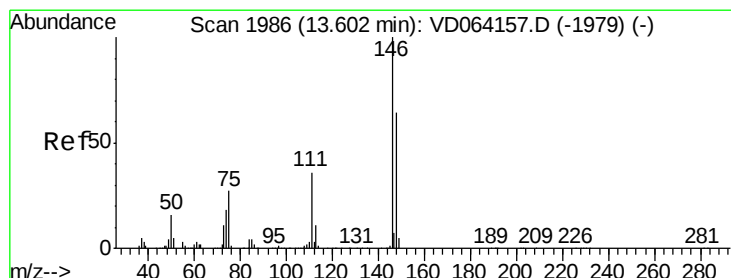
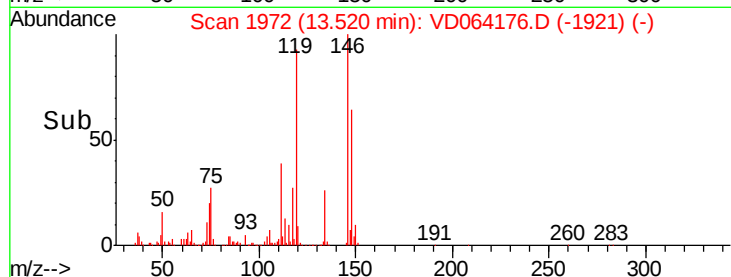
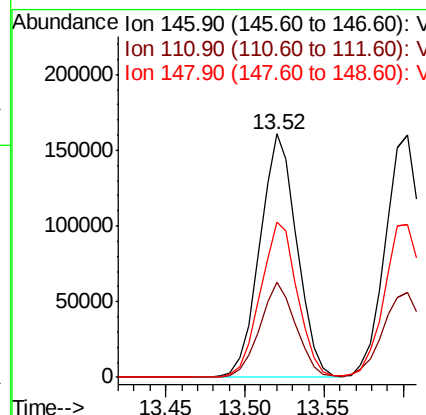
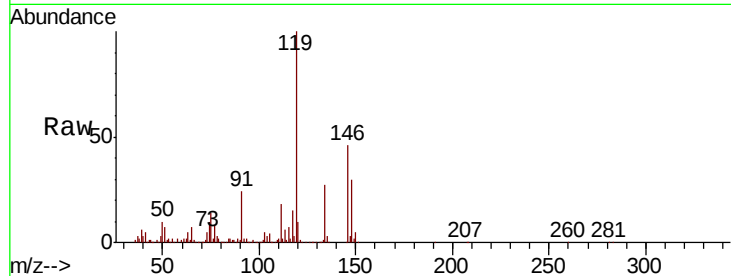




#87
 1,3-Dichlorobenzene
 Concen: 20.053 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. 0.00 min
 Lab File: VD064176.D
 Acq: 11 Nov 2019 14:21

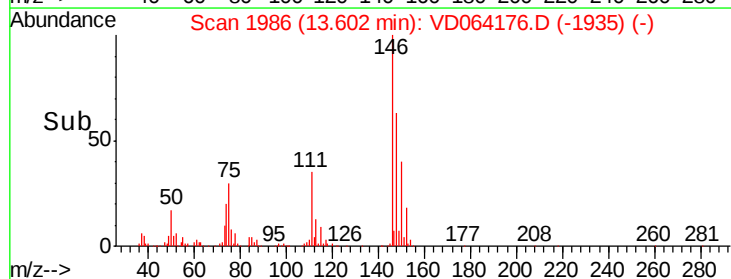
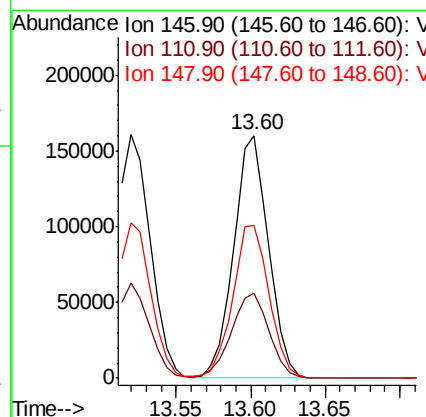
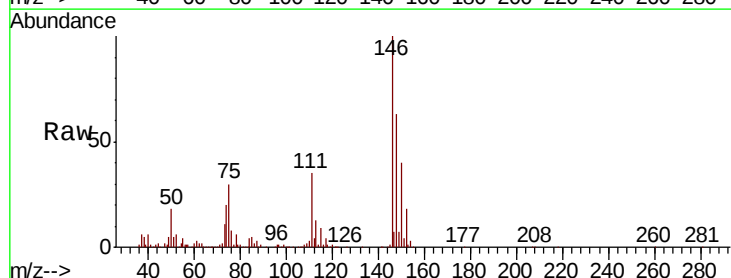
Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.9	18.9	56.9
148	63.9	32.1	96.5



#88
 1,4-Dichlorobenzene
 Concen: 20.469 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VD064176.D
 Acq: 11 Nov 2019 14:21

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.9	18.1	54.4
148	66.0	31.9	95.7

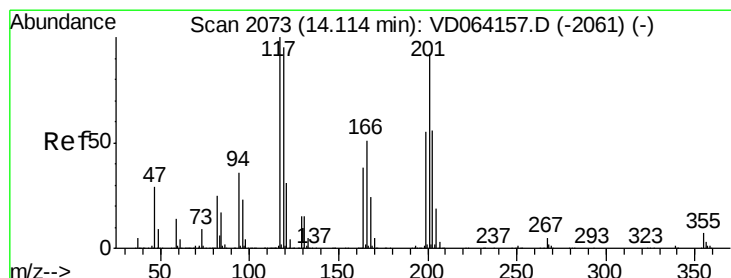
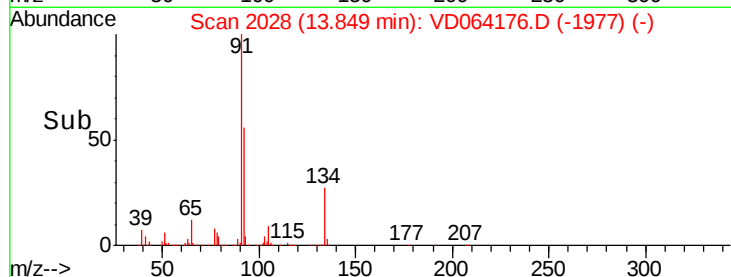
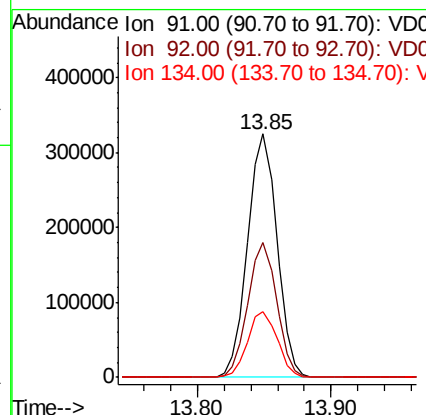
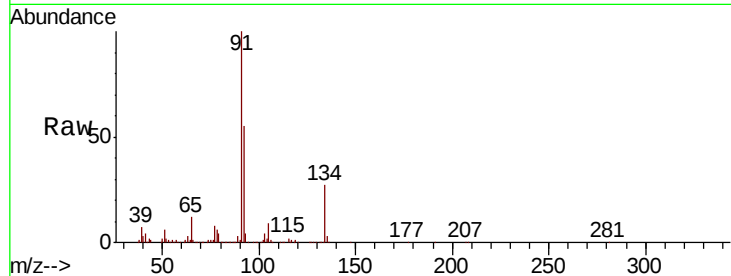




#89
n-Butylbenzene
Concen: 20.456 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.00 min
Lab File: VD064176.D
Acq: 11 Nov 2019 14:21

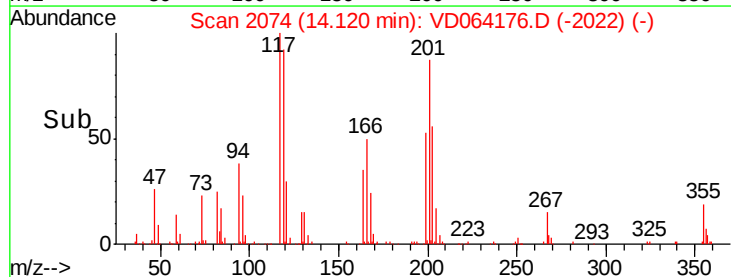
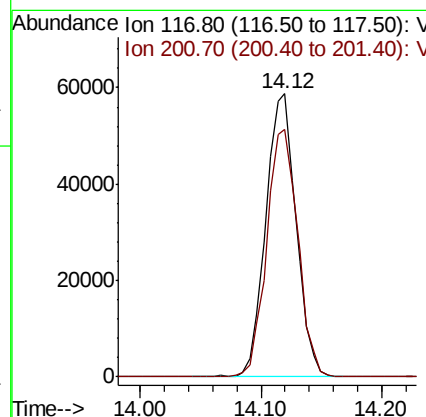
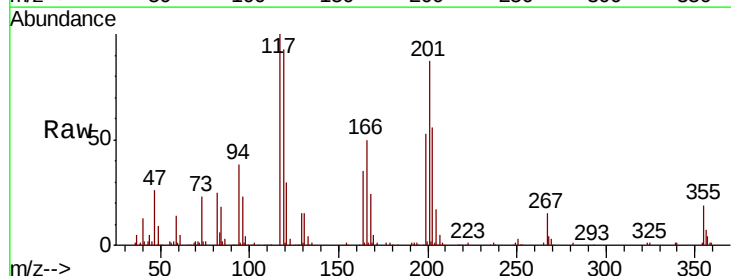
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 91 Resp: 493779
Ion Ratio Lower Upper
91 100
92 54.4 27.3 81.8
134 27.2 14.1 42.4



#90
Hexachloroethane
Concen: 20.622 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.01 min
Lab File: VD064176.D
Acq: 11 Nov 2019 14:21

Tgt Ion: 117 Resp: 101831
Ion Ratio Lower Upper
117 100
201 89.5 45.8 137.4

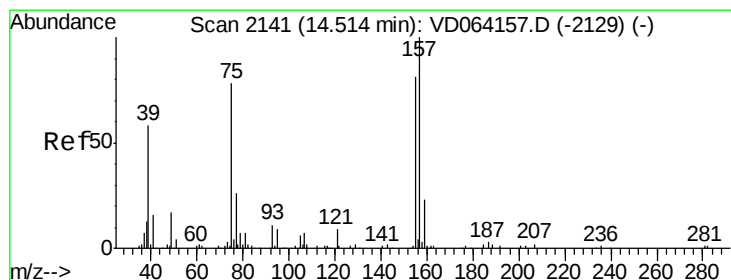
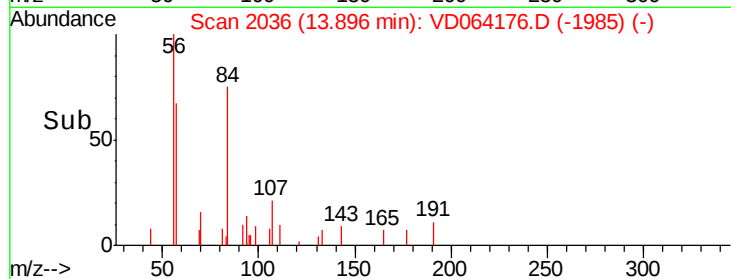
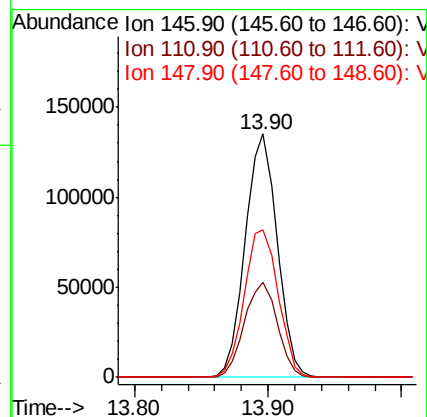
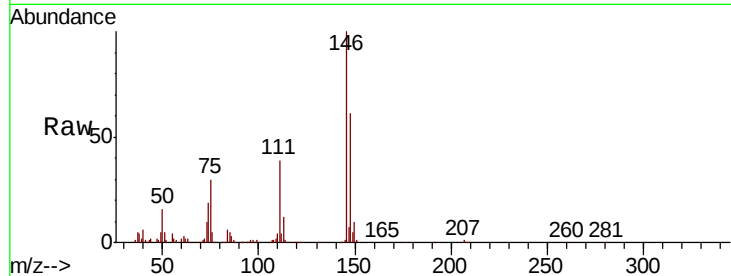




#91
 1,2-Dichlorobenzene
 Concen: 20.292 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. 0.00 min
 Lab File: VD064176.D
 Acq: 11 Nov 2019 14:21

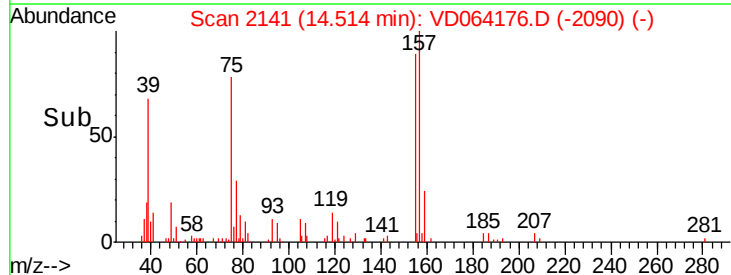
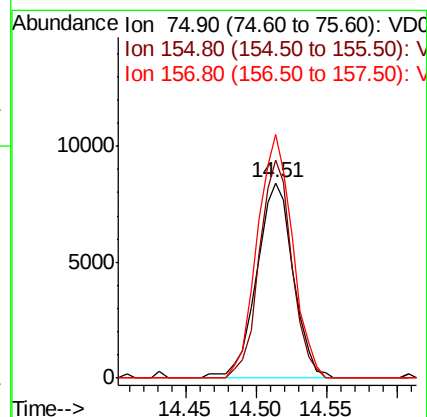
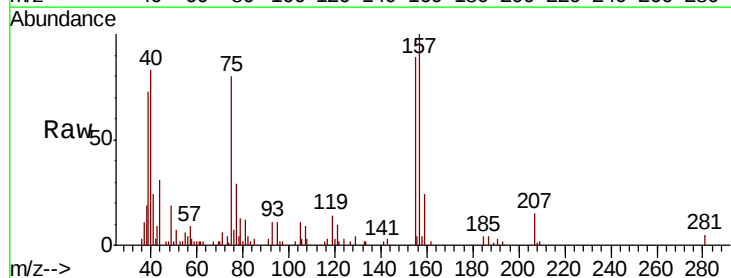
Instrument :
 MSVOA_D
 ClientSampleId :

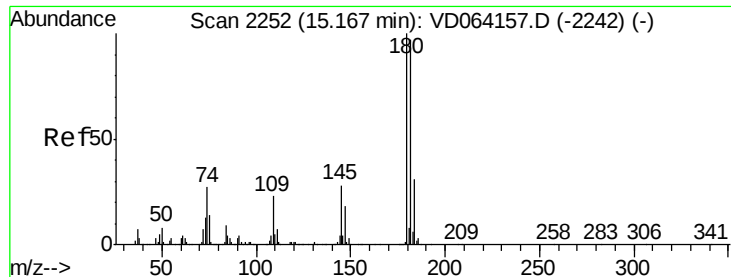
Tot Ion	Ratio	Lower	Upper
146	100		
111	40.4	19.7	59.0
148	64.5	32.3	96.8



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.670 ug/l
 RT: 14.51 min Scan# 2141
 Delta R.T. 0.00 min
 Lab File: VD064176.D
 Acq: 11 Nov 2019 14:21

Tgt Ion	Ratio	Lower	Upper
75	100		
155	99.2	48.0	144.0
157	120.2	61.5	184.4

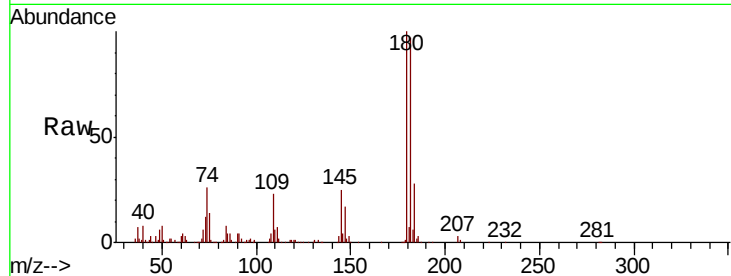




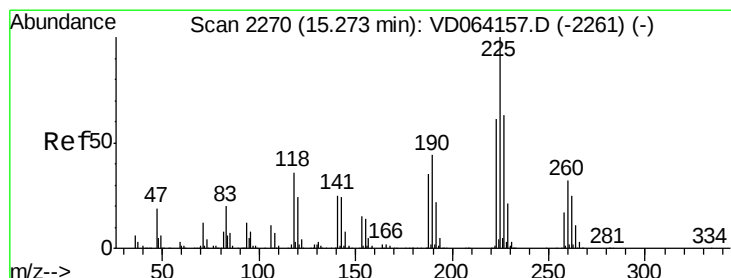
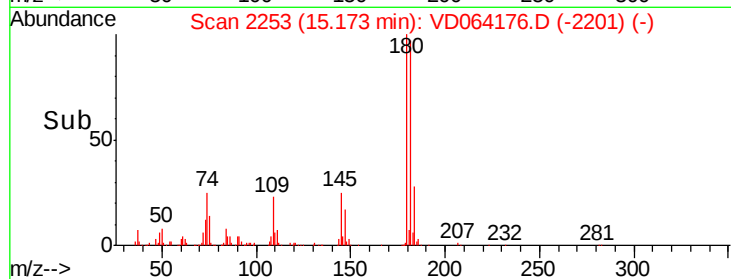
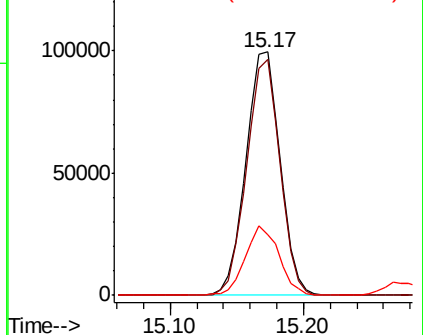
#93
 1,2,4-Trichlorobenzene
 Concen: 20.680 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. 0.01 min
 Lab File: VD064176.D
 Acq: 11 Nov 2019 14:21

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.2	47.5	142.5
145	28.0	14.2	42.6

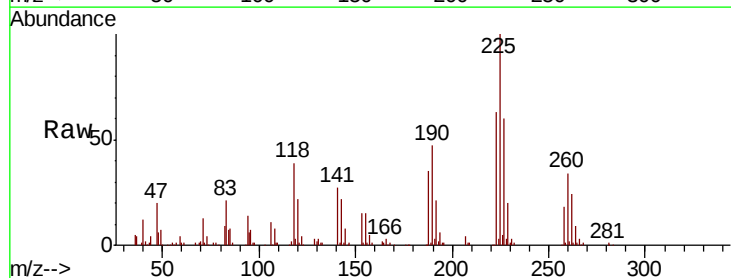


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

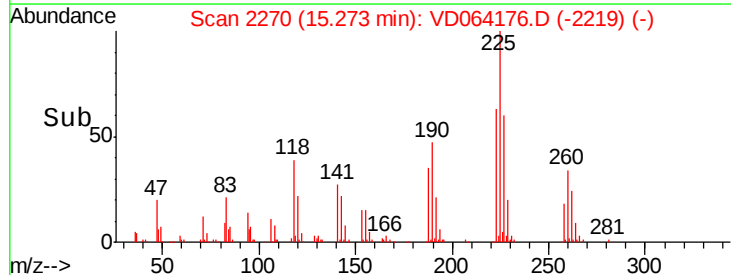
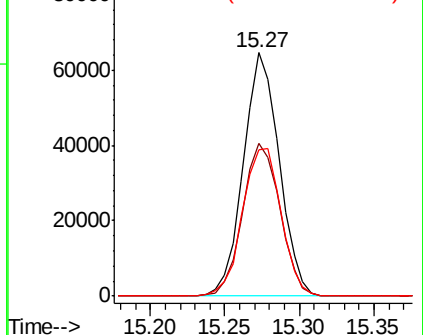


#94
 Hexachlorobutadiene
 Concen: 19.543 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. 0.00 min
 Lab File: VD064176.D
 Acq: 11 Nov 2019 14:21

Tgt Ion	Ratio	Lower	Upper
225	100		
223	65.3	31.1	93.3
227	65.5	31.5	94.5



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V

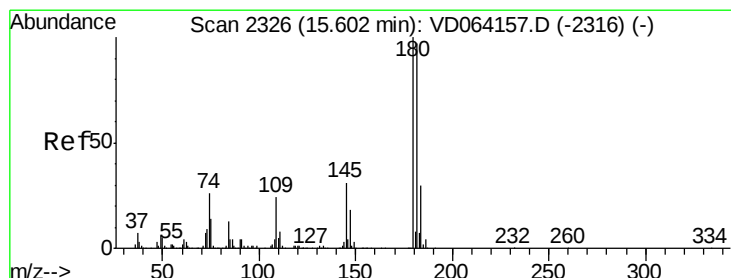
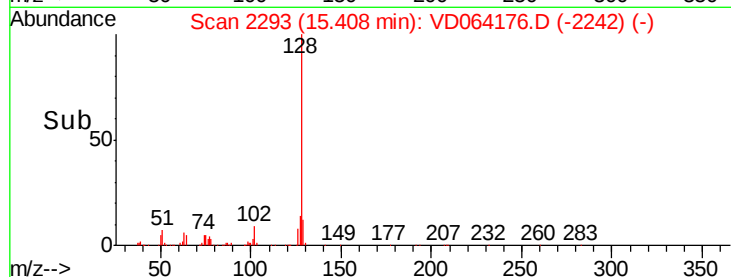
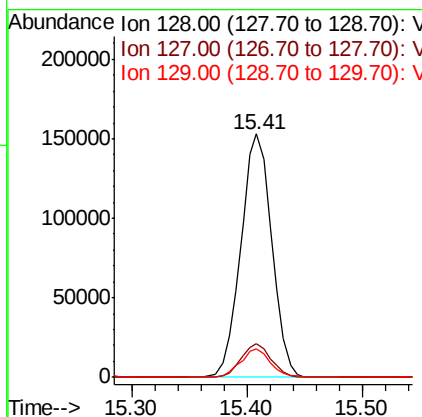
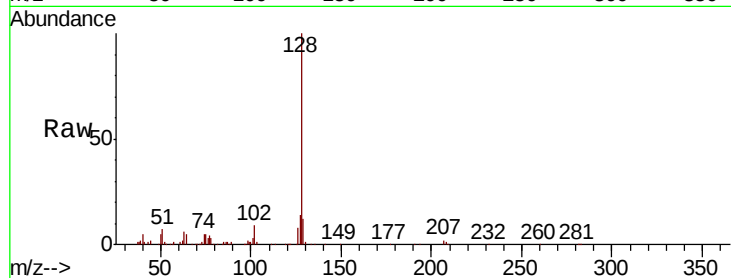




#95
Naphthalene
Concen: 20.404 ug/l
RT: 15.41 min Scan# 2293
Delta R.T. 0.00 min
Lab File: VD064176.D
Acq: 11 Nov 2019 14:21

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.5	10.5	15.7
129	11.3	8.6	13.0



#96
1,2,3-Trichlorobenzene
Concen: 20.457 ug/l
RT: 15.60 min Scan# 2326
Delta R.T. 0.00 min
Lab File: VD064176.D
Acq: 11 Nov 2019 14:21

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.8	48.3	144.9
145	29.5	15.3	45.8

