

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD041320\
 Data File : VD065616.D
 Acq On : 13 Apr 2020 14:52
 Operator : VA/SY
 Sample : VD0413SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0413SBS01

Quant Time: Apr 14 02:11:24 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D040920S.M
 Quant Title : SW846 8260
 QLast Update : Fri Apr 10 01:39:58 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	495827	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	685078	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	626872	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	316420	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	212822	45.38	ug/l	0.00
Spiked Amount			Recovery	=	90.76%	
35) Dibromofluoromethane	7.91	113	231724	48.42	ug/l	0.00
Spiked Amount			Recovery	=	96.84%	
50) Toluene-d8	10.34	98	858796	49.14	ug/l	0.00
Spiked Amount			Recovery	=	98.28%	
62) 4-Bromofluorobenzene	12.64	95	267154	47.57	ug/l	0.00
Spiked Amount			Recovery	=	95.14%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	86316	19.306	ug/l	98
3) Chloromethane	2.21	50	105260	18.932	ug/l	100
4) Vinyl Chloride	2.35	62	99591	19.158	ug/l	100
5) Bromomethane	2.76	94	70033	19.102	ug/l	95
6) Chloroethane	2.92	64	61480	19.204	ug/l	98
7) Trichlorofluoromethane	3.27	101	157747	20.007	ug/l	91
8) Diethyl Ether	3.70	74	35342	21.695	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	4.09	101	103965	20.171	ug/l	97
10) Methyl Iodide	4.29	142	102967	19.492	ug/l	99
11) Tert butyl alcohol	5.25	59	27862	117.695	ug/l #	86
12) 1,1-Dichloroethene	4.06	96	96142	20.224	ug/l	94
13) Acrolein	3.92	56	31518	95.916	ug/l	93
14) Allyl chloride	4.71	41	137214	19.458	ug/l	98
15) Acrylonitrile	5.43	53	91132	94.865	ug/l	98
16) Acetone	4.17	43	83472	98.576	ug/l	99
17) Carbon Disulfide	4.40	76	314976	19.913	ug/l	97
18) Methyl Acetate	4.72	43	47146	18.969	ug/l	98
19) Methyl tert-butyl Ether	5.48	73	181019	19.697	ug/l	98
20) Methylene Chloride	4.96	84	106134	18.961	ug/l	94
21) trans-1,2-Dichloroethene	5.47	96	109277	20.254	ug/l	91
22) Diisopropyl ether	6.36	45	277336	20.461	ug/l	96
23) Vinyl Acetate	6.31	43	706141	98.468	ug/l	99
24) 1,1-Dichloroethane	6.27	63	177961	19.735	ug/l	99
25) 2-Butanone	7.22	43	105150	90.723	ug/l	98
26) 2,2-Dichloropropane	7.21	77	163158	20.218	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	112688	20.408	ug/l	98
28) Bromochloromethane	7.54	49	71047	19.630	ug/l	99
29) Tetrahydrofuran	7.57	42	67830	93.131	ug/l	99
30) Chloroform	7.71	83	188500	19.963	ug/l	99
31) Cyclohexane	7.98	56	162783	19.459	ug/l	97
32) 1,1,1-Trichloroethane	7.90	97	170592	19.992	ug/l	98
36) 1,1-Dichloropropene	8.11	75	149549	21.203	ug/l	100
37) Ethyl Acetate	7.30	43	52790	20.158	ug/l	99
38) Carbon Tetrachloride	8.10	117	160988	21.021	ug/l	94

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	166016	20.793	ug/l	96
40) Benzene	8.35	78	406492	20.172	ug/l	99
41) Methacrylonitrile	7.57	41	71904	48.527	ug/l #	100
42) 1,2-Dichloroethane	8.43	62	111798	19.862	ug/l	100
43) Isopropyl Acetate	8.46	43	92904	19.444	ug/l	99
44) Trichloroethene	9.11	130	119870	20.697	ug/l	92
45) 1,2-Dichloropropane	9.39	63	97993	19.970	ug/l	98
46) Dibromomethane	9.48	93	51423	19.497	ug/l	96
47) Bromodichloromethane	9.67	83	139792	20.211	ug/l	99
48) Methyl methacrylate	9.46	41	44246	19.967	ug/l	98
49) 1,4-Dioxane	9.47	88	11797	422.325	ug/l	91
51) 4-Methyl-2-Pentanone	10.23	43	243536	98.908	ug/l	99
52) Toluene	10.41	92	265467	20.835	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	123015	20.038	ug/l	100
54) cis-1,3-Dichloropropene	10.09	75	151069	20.098	ug/l	94
55) 1,1,2-Trichloroethane	10.80	97	72089	19.477	ug/l	97
56) Ethyl methacrylate	10.66	69	72507	18.652	ug/l	97
57) 1,3-Dichloropropane	10.95	76	121950	19.892	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.94	63	192559	98.225	ug/l	99
59) 2-Hexanone	10.99	43	161221	98.523	ug/l	97
60) Dibromochloromethane	11.14	129	98253	19.932	ug/l	99
61) 1,2-Dibromoethane	11.25	107	70282	19.976	ug/l	100
64) Tetrachloroethene	10.88	164	109168	21.894	ug/l	96
65) Chlorobenzene	11.67	112	280875	20.689	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.75	131	106855	20.661	ug/l	99
67) Ethyl Benzene	11.75	91	477672	21.307	ug/l	100
68) m/p-Xylenes	11.86	106	381111	43.090	ug/l	100
69) o-Xylene	12.18	106	151593	19.890	ug/l	100
70) Styrene	12.20	104	263709	19.571	ug/l	97
71) Bromoform	12.37	173	53028	18.282	ug/l #	99
73) Isopropylbenzene	12.48	105	413345	20.502	ug/l	100
74) N-amyl acetate	12.30	43	77037	18.797	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	71912	19.404	ug/l	95
76) 1,2,3-Trichloropropane	12.79	75	96011	37.833	ug/l #	100
77) Bromobenzene	12.77	156	114626	20.738	ug/l	96
78) n-propylbenzene	12.83	91	540320	22.206	ug/l	100
79) 2-Chlorotoluene	12.91	91	307193	22.029	ug/l	98
80) 1,3,5-Trimethylbenzene	12.97	105	377083	22.191	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	20799	18.985	ug/l	95
82) 4-Chlorotoluene	13.01	91	325798	21.706	ug/l	100
83) tert-Butylbenzene	13.23	119	310802	21.874	ug/l	97
84) 1,2,4-Trimethylbenzene	13.28	105	372957	22.086	ug/l	99
85) sec-Butylbenzene	13.41	105	449435	22.229	ug/l	99
86) p-Isopropyltoluene	13.53	119	417736	22.389	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	223986	21.014	ug/l	100
88) 1,4-Dichlorobenzene	13.60	146	225168	21.150	ug/l	99
89) n-Butylbenzene	13.86	91	367373	21.818	ug/l	99
90) Hexachloroethane	14.12	117	79695	19.580	ug/l	97
91) 1,2-Dichlorobenzene	13.90	146	191949	21.168	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.52	75	11060	19.347	ug/l	95

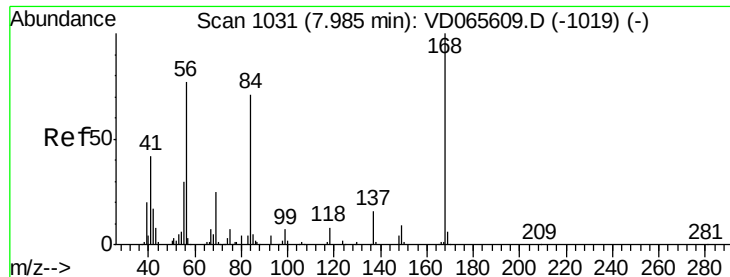
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD041320\
Data File : VD065616.D
Acq On : 13 Apr 2020 14:52
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QLast Update : Fri Apr 10 01:39:58 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	119516	20.066	ug/l	99
94) Hexachlorobutadiene	15.28	225	85008	20.533	ug/l	99
95) Naphthalene	15.41	128	169818	19.188	ug/l	100
96) 1,2,3-Trichlorobenzene	15.61	180	107584	20.867	ug/l	99

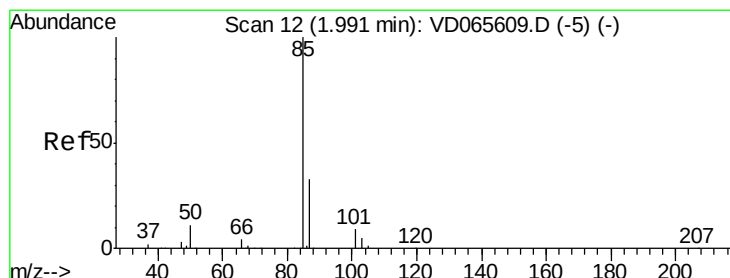
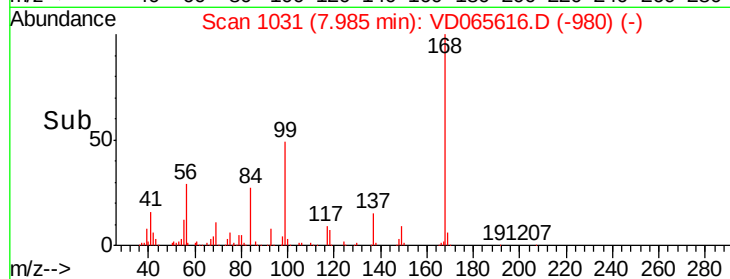
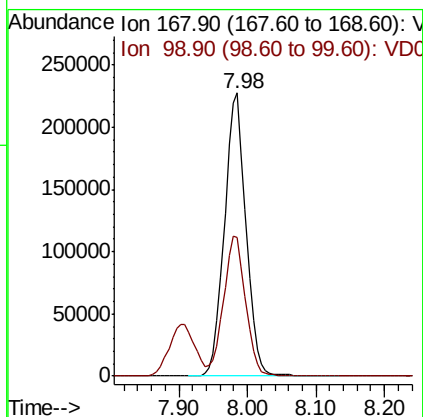
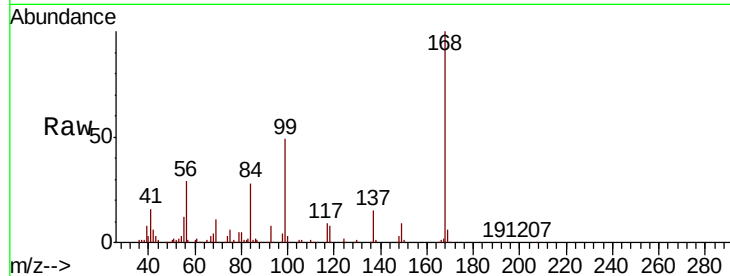
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD065616.D
Acq: 13 Apr 2020 14:52

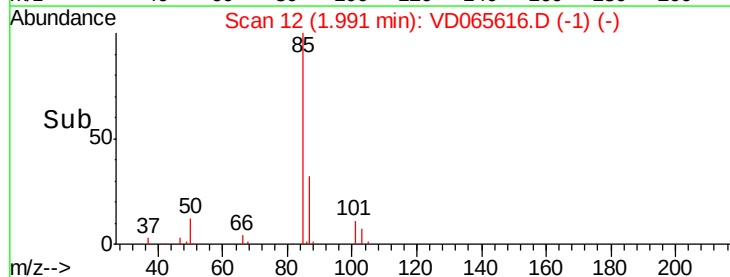
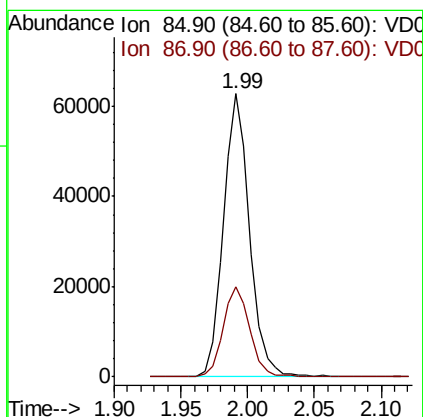
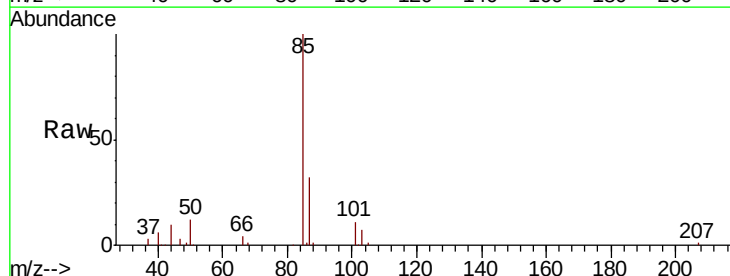
Instrument :
MSVOA_D
ClientSampleId :
VD0413SBS01

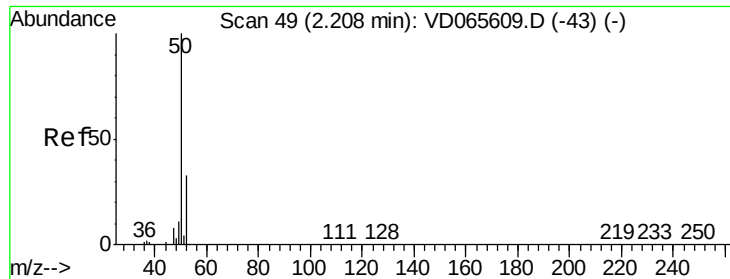
Tot Ion:168 Resp: 495827
Ion Ratio Lower Upper
168 100
99 48.9 40.2 60.2



#2
Dichlorodifluoromethane
Concen: 19.306 ug/l
RT: 1.99 min Scan# 12
Delta R.T. 0.00 min
Lab File: VD065616.D
Acq: 13 Apr 2020 14:52

Tgt Ion: 85 Resp: 86316
Ion Ratio Lower Upper
85 100
87 32.0 16.6 49.8





#3

Chloromethane

Concen: 18.932 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD065616.D

Acq: 13 Apr 2020 14:52

Instrument :

MSVOA_D

ClientSampleId :

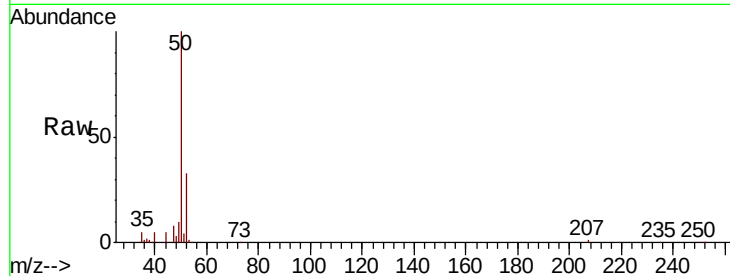
VD0413SBS01

Tot Ion: 50 Resp: 105260

Ion Ratio Lower Upper

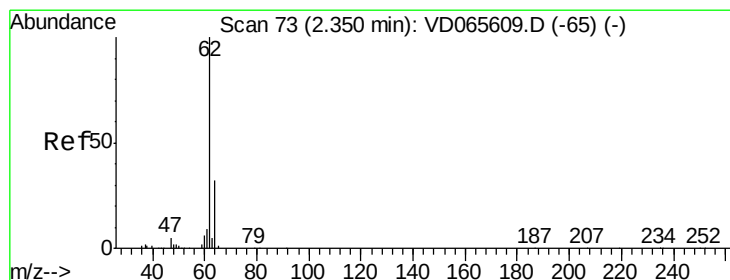
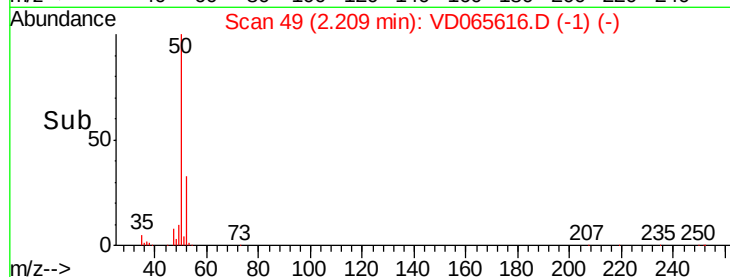
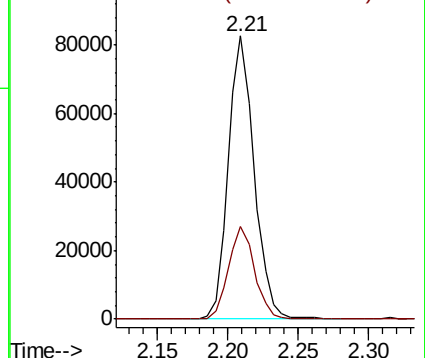
50 100

52 32.6 26.2 39.4



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 19.158 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD065616.D

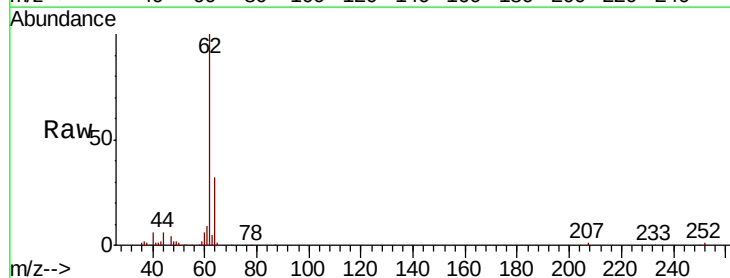
Acq: 13 Apr 2020 14:52

Tgt Ion: 62 Resp: 99591

Ion Ratio Lower Upper

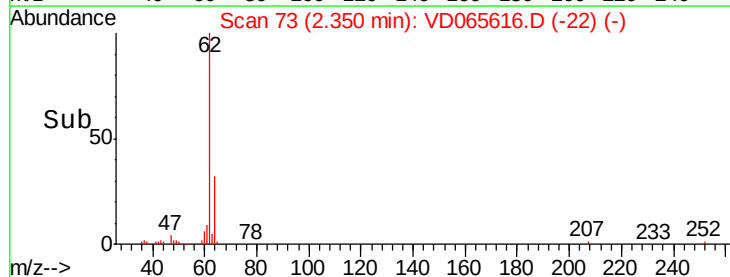
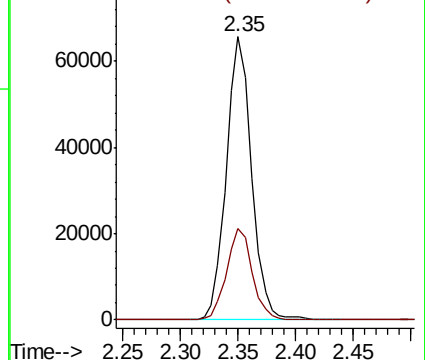
62 100

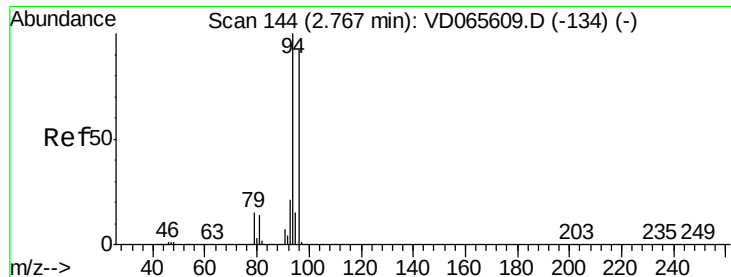
64 32.5 25.8 38.6



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 19.102 ug/l

RT: 2.76 min Scan# 143

Delta R.T. -0.01 min

Lab File: VD065616.D

Acq: 13 Apr 2020 14:52

Instrument :

MSVOA_D

ClientSampleId :

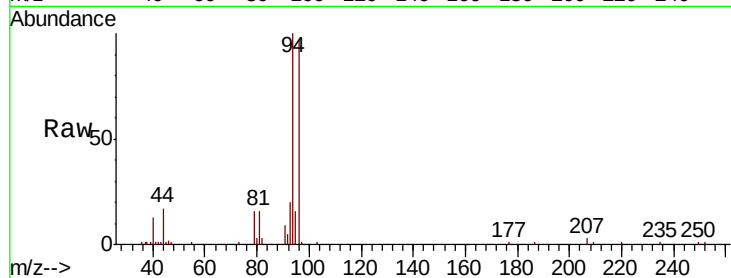
VD0413SBS01

Tot Ion: 94 Resp: 70033

Ion Ratio Lower Upper

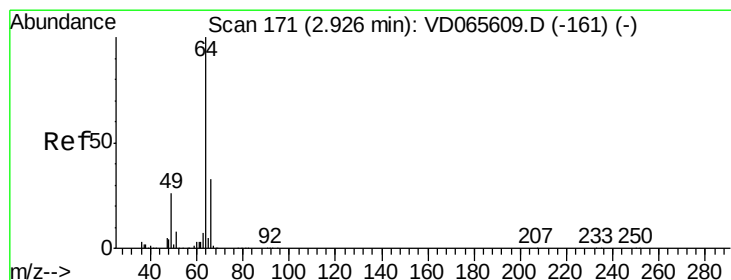
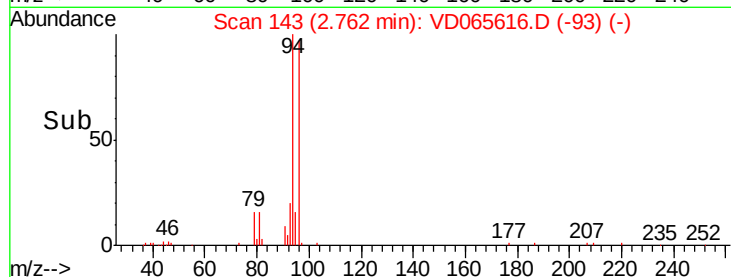
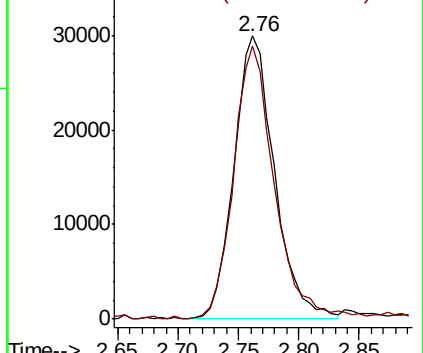
94 100

96 96.6 73.3 109.9



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 19.204 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.01 min

Lab File: VD065616.D

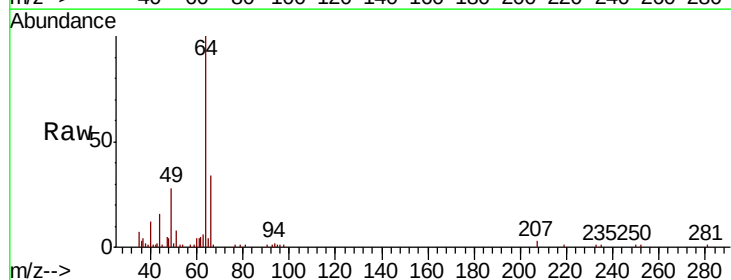
Acq: 13 Apr 2020 14:52

Tgt Ion: 64 Resp: 61480

Ion Ratio Lower Upper

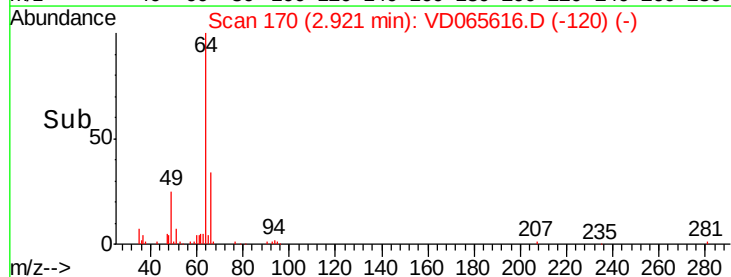
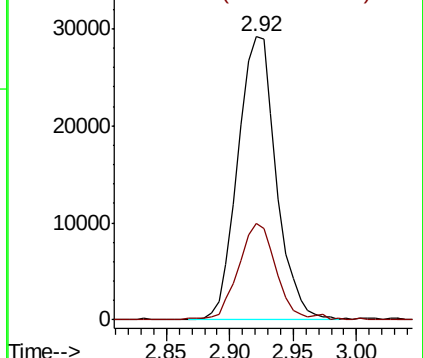
64 100

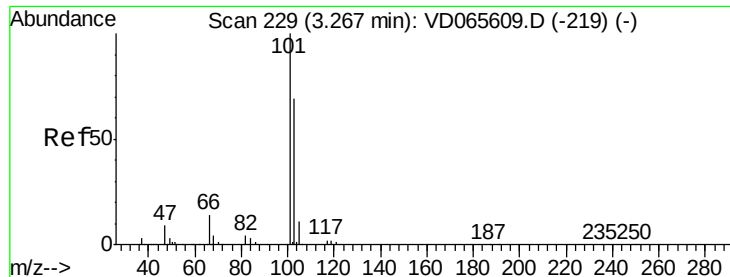
66 33.7 26.1 39.1



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC



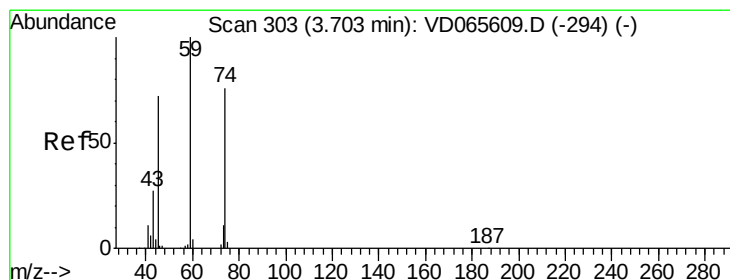
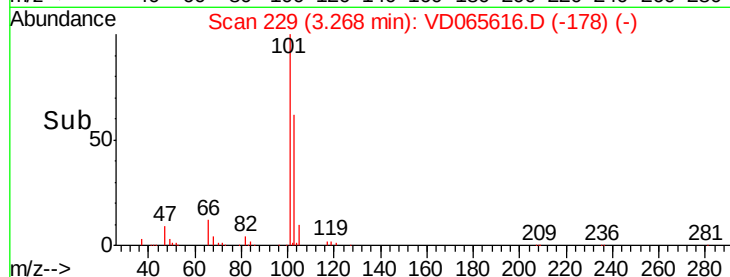
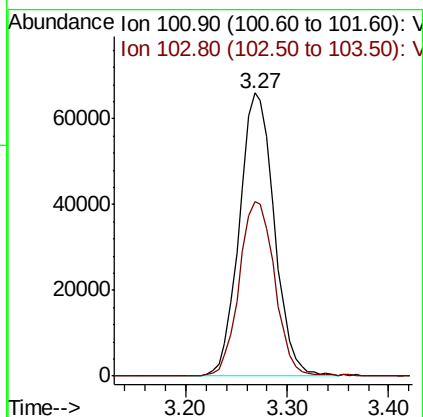
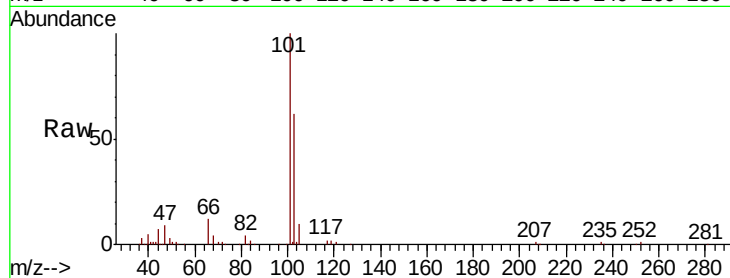


#7

Trichlorofluoromethane
 Concen: 20.007 ug/l
 RT: 3.27 min Scan# 229
 Delta R.T. 0.00 min
 Lab File: VD065616.D
 Acq: 13 Apr 2020 14:52

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0413SBS01

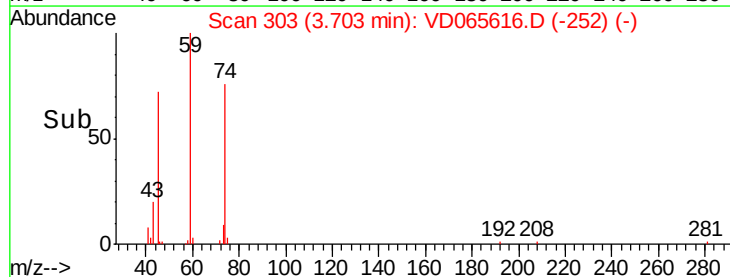
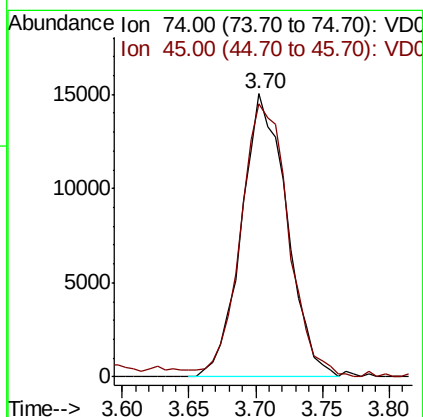
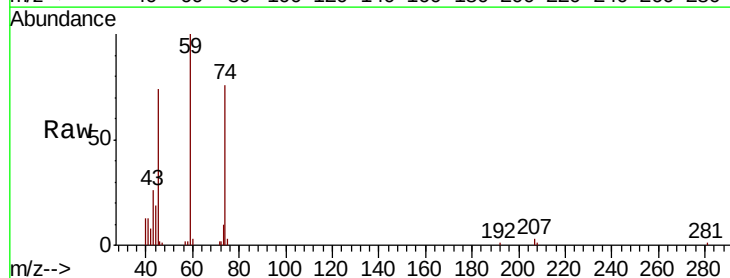
Tot Ion:101 Resp: 157747
 Ion Ratio Lower Upper
 101 100
 103 61.6 55.0 82.4

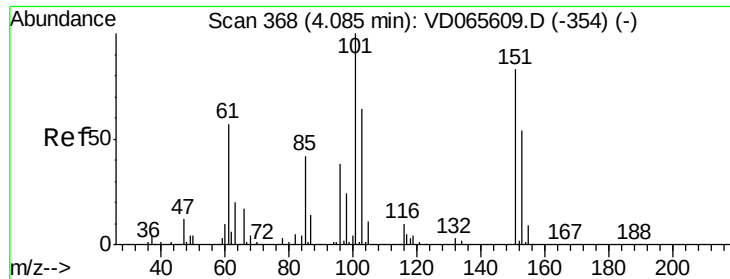


#8

Diethyl Ether
 Concen: 21.695 ug/l
 RT: 3.70 min Scan# 303
 Delta R.T. 0.00 min
 Lab File: VD065616.D
 Acq: 13 Apr 2020 14:52

Tgt Ion: 74 Resp: 35342
 Ion Ratio Lower Upper
 74 100
 45 102.3 47.8 143.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.171 ug/l

RT: 4.09 min Scan# 368

Delta R.T. 0.00 min

Lab File: VD065616.D

Acq: 13 Apr 2020 14:52

Instrument :

MSVOA_D

ClientSampleId :

VD0413SBS01

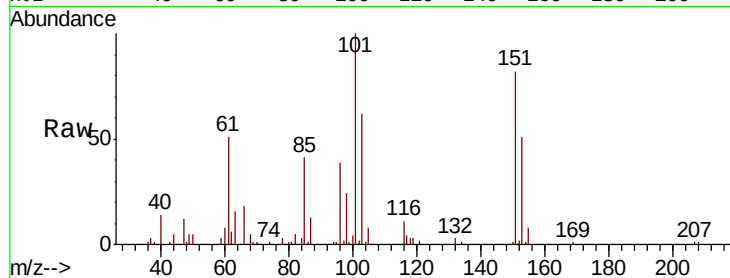
Tot Ion:101 Resp: 103965

Ion Ratio Lower Upper

101 100

85 41.1 33.8 50.6

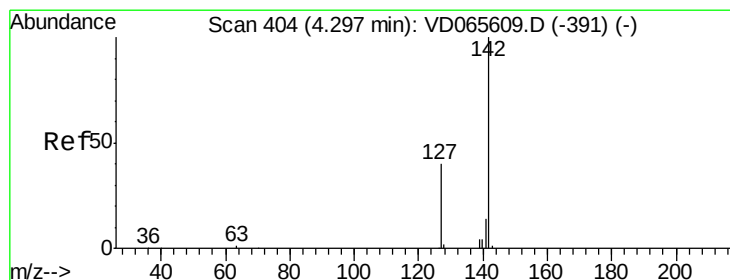
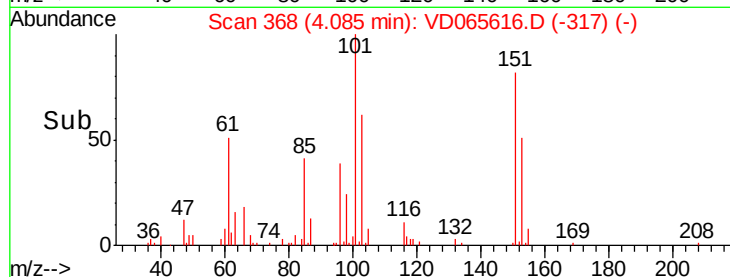
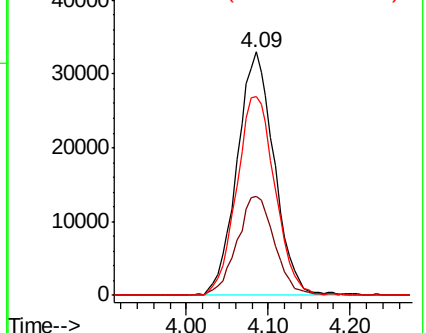
151 84.3 65.0 97.4



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 19.492 ug/l

RT: 4.29 min Scan# 403

Delta R.T. -0.00 min

Lab File: VD065616.D

Acq: 13 Apr 2020 14:52

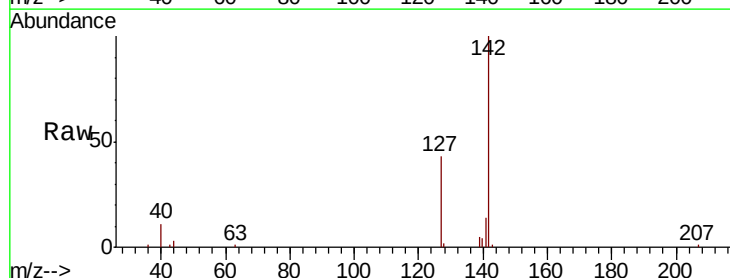
Tgt Ion:142 Resp: 102967

Ion Ratio Lower Upper

142 100

127 42.6 34.6 51.8

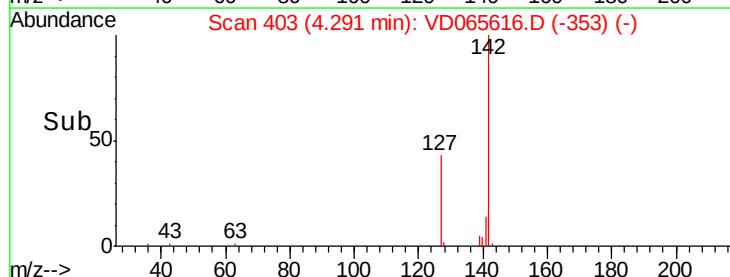
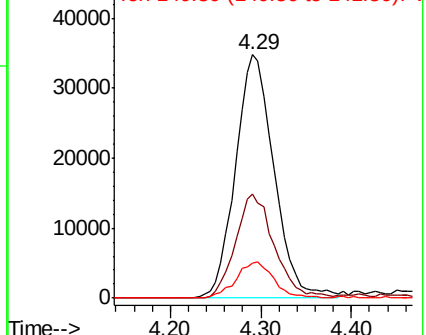
141 14.5 11.7 17.5

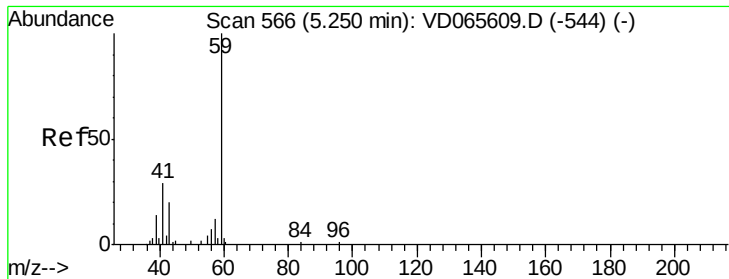


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



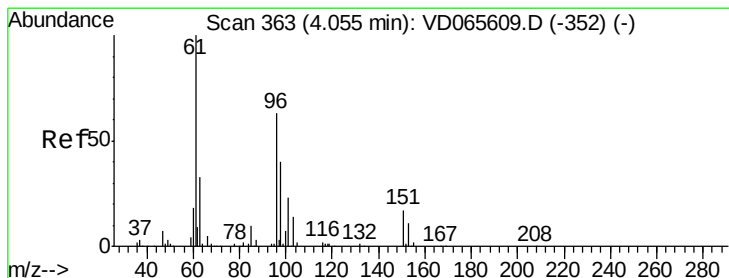
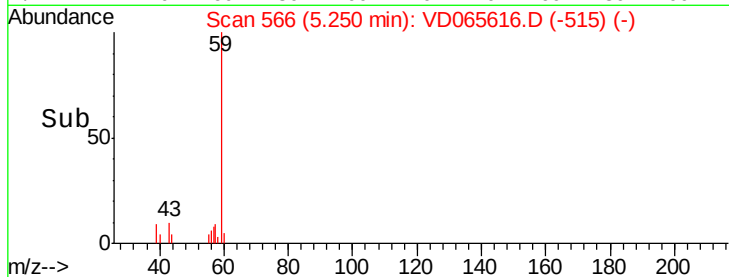
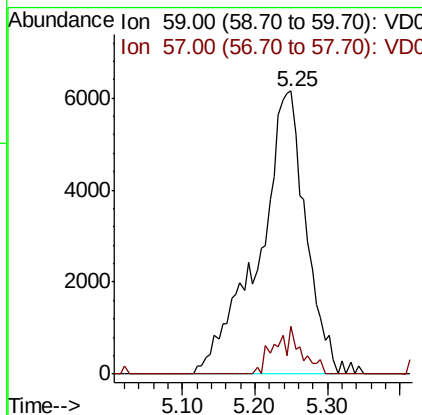
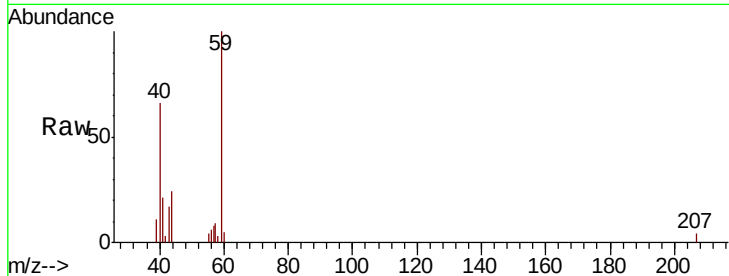


#11

Tert butyl alcohol
 Concen: 117.695 ug/l
 RT: 5.25 min Scan# 566
 Delta R.T. 0.00 min
 Lab File: VD065616.D
 Acq: 13 Apr 2020 14:52

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0413SBS01

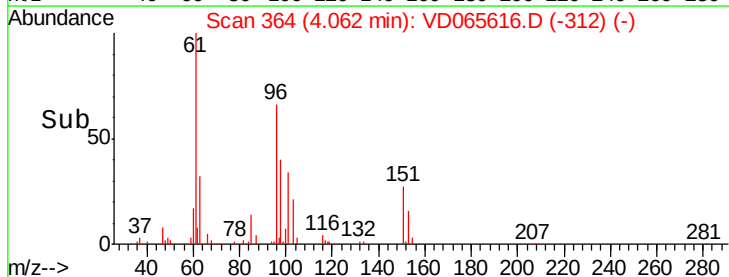
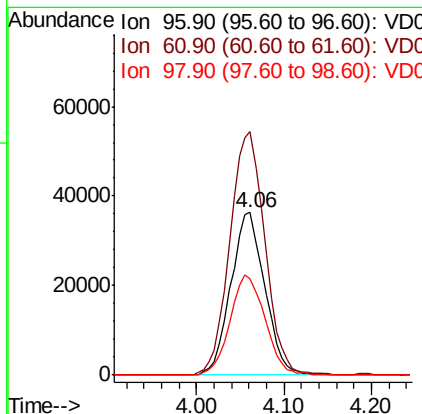
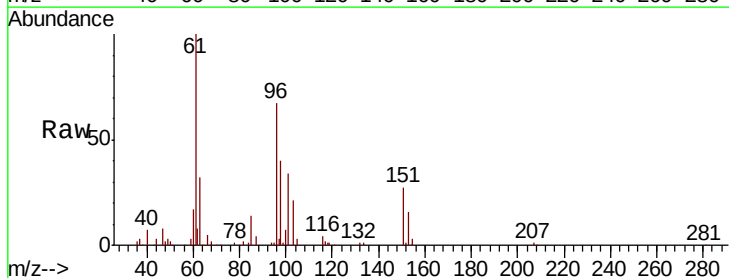
Tot Ion: 59 Resp: 27862
 Ion Ratio Lower Upper
 59 100
 57 4.8 8.1 12.1#

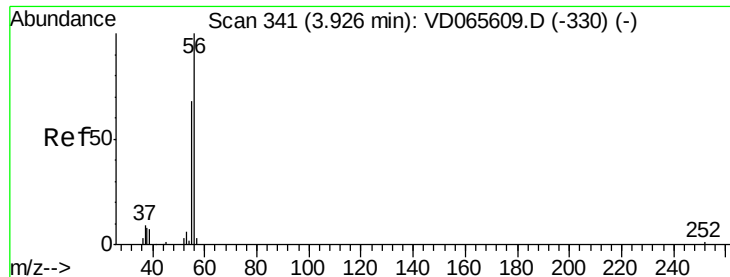


#12

1,1-Dichloroethene
 Concen: 20.224 ug/l
 RT: 4.06 min Scan# 364
 Delta R.T. 0.01 min
 Lab File: VD065616.D
 Acq: 13 Apr 2020 14:52

Tgt Ion: 96 Resp: 96142
 Ion Ratio Lower Upper
 96 100
 61 149.9 126.6 190.0
 98 59.3 50.2 75.4





#13

Acrolein

Concen: 95.916 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.01 min

Lab File: VD065616.D

Acq: 13 Apr 2020 14:52

Instrument :

MSVOA_D

ClientSampleId :

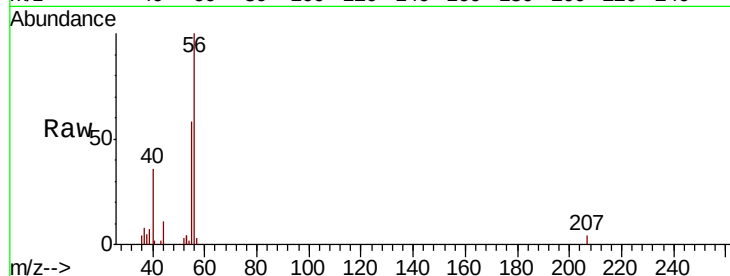
VD0413SBS01

Tot Ion: 56 Resp: 31518

Ion Ratio Lower Upper

56 100

55 66.2 57.9 86.9



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

15000

10000

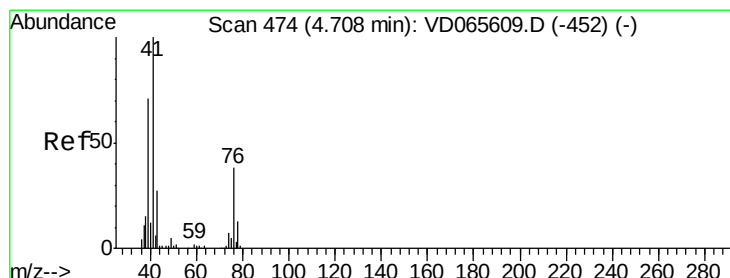
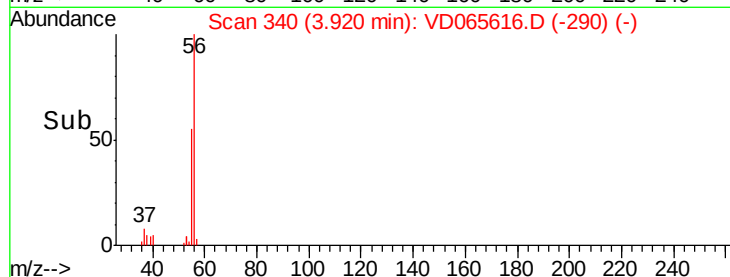
5000

0

Time-->

3.80 3.90 4.00

3.92



#14

Allyl chloride

Concen: 19.458 ug/l

RT: 4.71 min Scan# 474

Delta R.T. 0.00 min

Lab File: VD065616.D

Acq: 13 Apr 2020 14:52

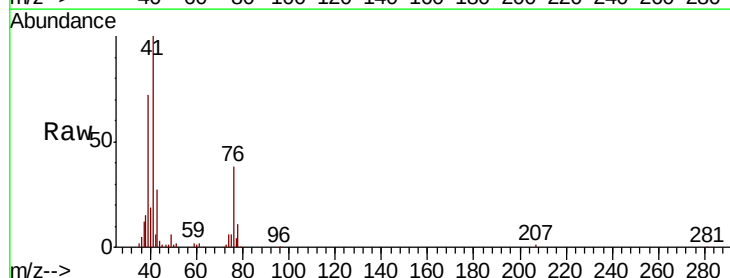
Tgt Ion: 41 Resp: 137214

Ion Ratio Lower Upper

41 100

39 70.1 54.2 81.2

76 37.7 29.7 44.5



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

60000

50000

40000

30000

20000

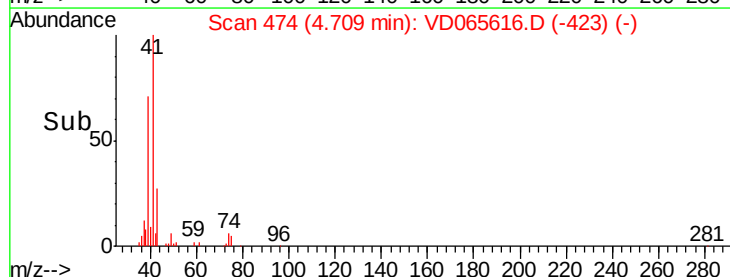
10000

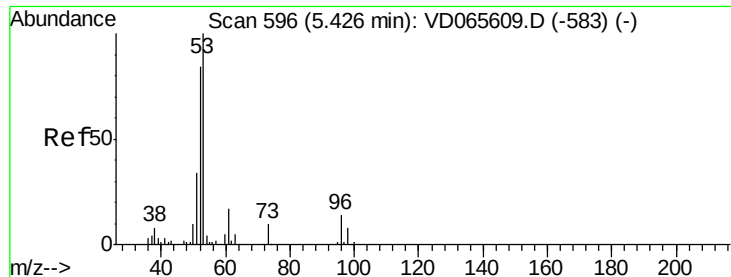
0

Time-->

4.50 4.60 4.70 4.80

4.71





#15

Acrylonitrile

Concen: 94.865 ug/l

RT: 5.43 min Scan# 596

Delta R.T. 0.00 min

Lab File: VD065616.D

Acq: 13 Apr 2020 14:52

Instrument :

MSVOA_D

ClientSampleId :

VD0413SBS01

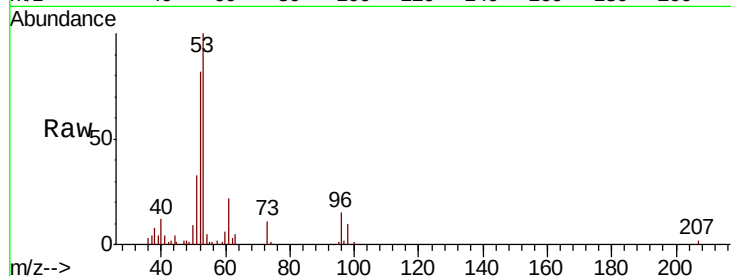
Tot Ion: 53 Resp: 91132

Ion Ratio Lower Upper

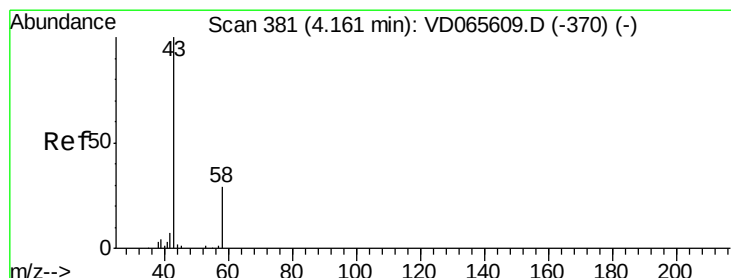
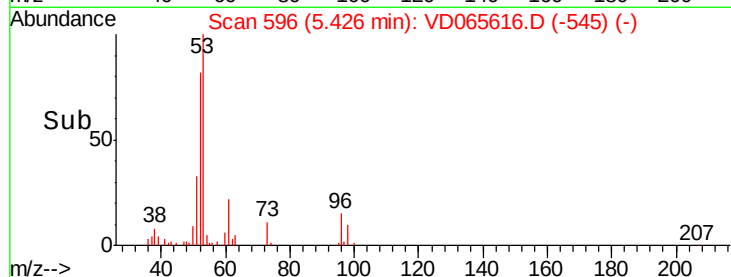
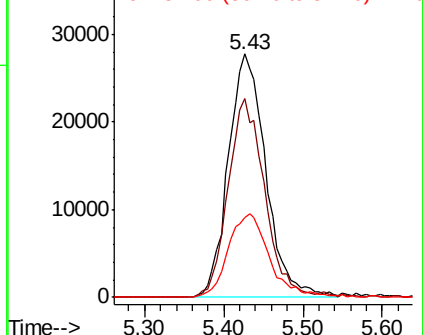
53 100

52 78.9 65.3 97.9

51 37.2 29.5 44.3



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: 98.576 ug/l

RT: 4.17 min Scan# 382

Delta R.T. 0.01 min

Lab File: VD065616.D

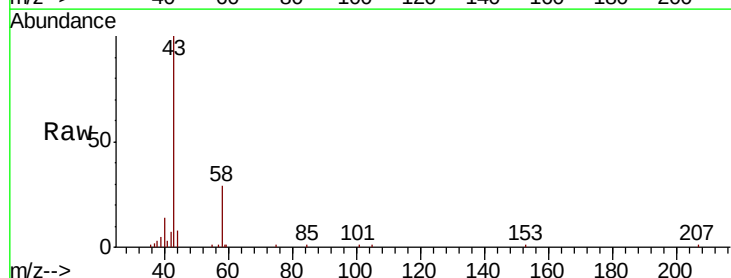
Acq: 13 Apr 2020 14:52

Tgt Ion: 43 Resp: 83472

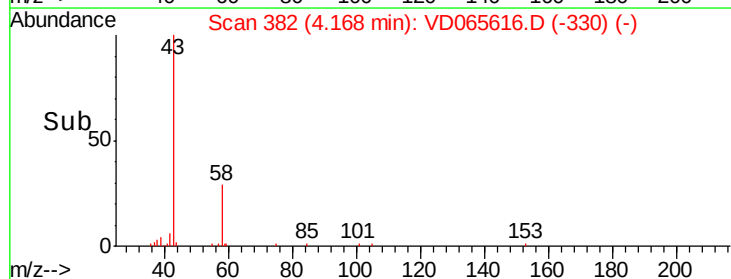
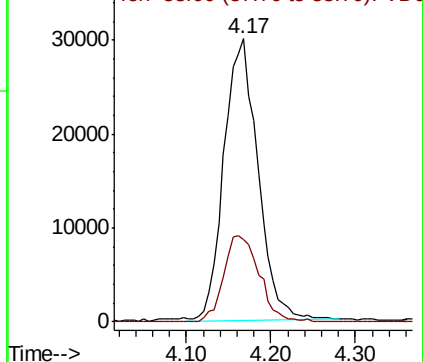
Ion Ratio Lower Upper

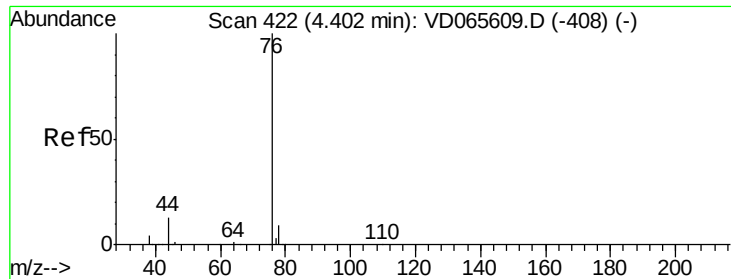
43 100

58 29.3 23.2 34.8



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

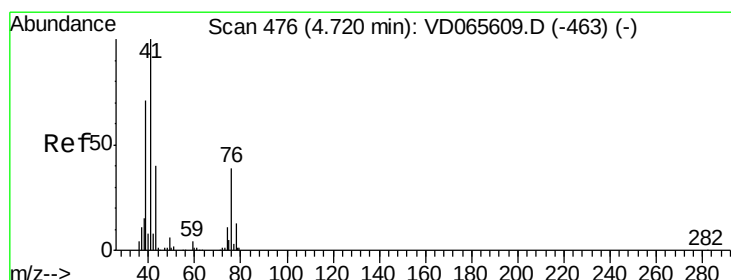
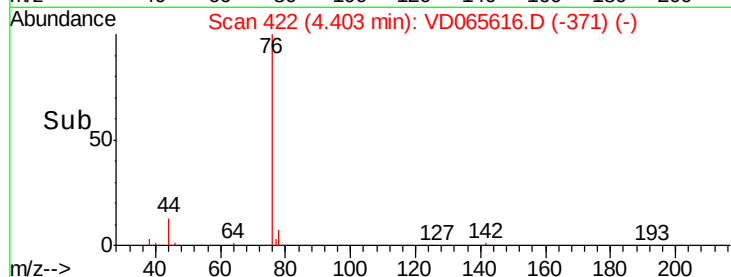
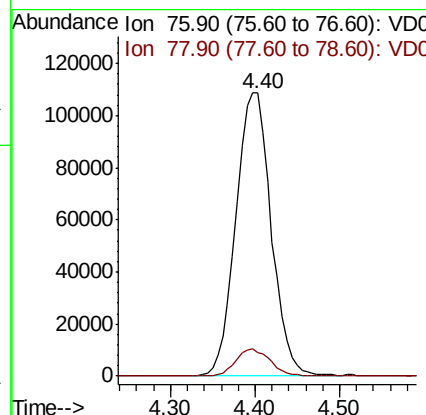
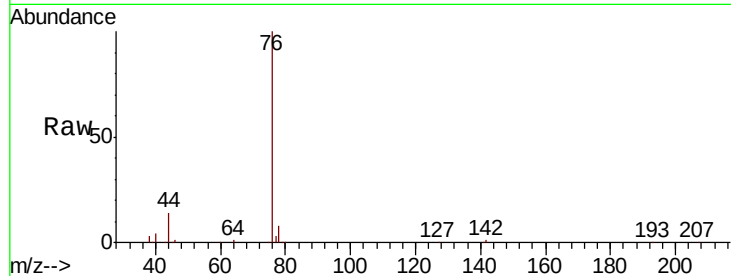




#17
Carbon Disulfide
Concen: 19.913 ug/l
RT: 4.40 min Scan# 422
Delta R.T. 0.00 min
Lab File: VD065616.D
Acq: 13 Apr 2020 14:52

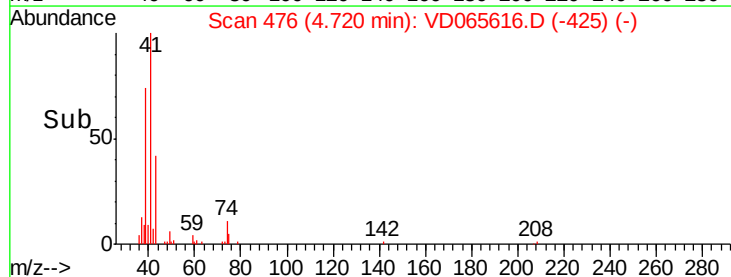
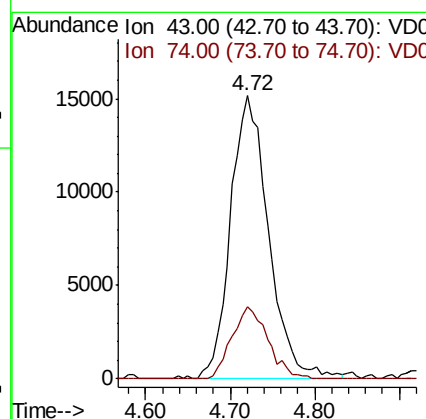
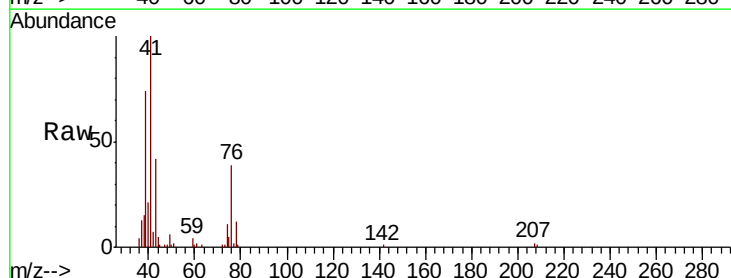
Instrument :
MSVOA_D
ClientSampleId :
VD0413SBS01

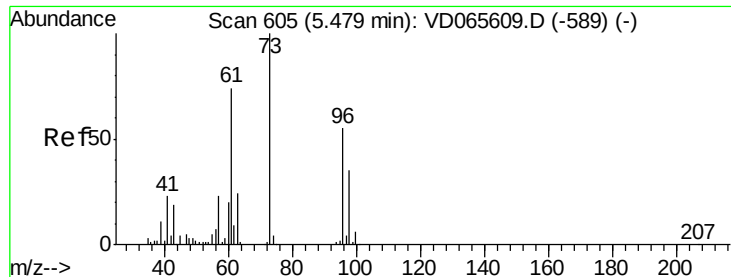
Tot Ion: 76 Resp: 314976
Ion Ratio Lower Upper
76 100
78 8.1 7.3 10.9



#18
Methyl Acetate
Concen: 18.969 ug/l
RT: 4.72 min Scan# 476
Delta R.T. 0.00 min
Lab File: VD065616.D
Acq: 13 Apr 2020 14:52

Tgt Ion: 43 Resp: 47146
Ion Ratio Lower Upper
43 100
74 24.4 20.2 30.2

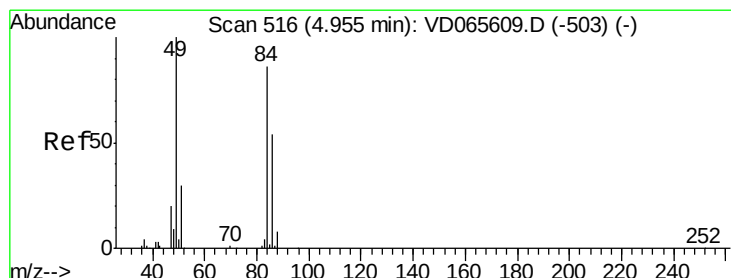
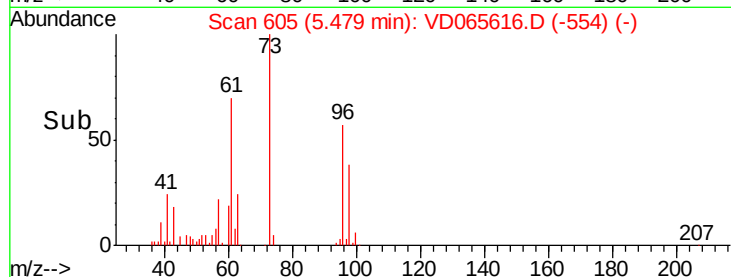
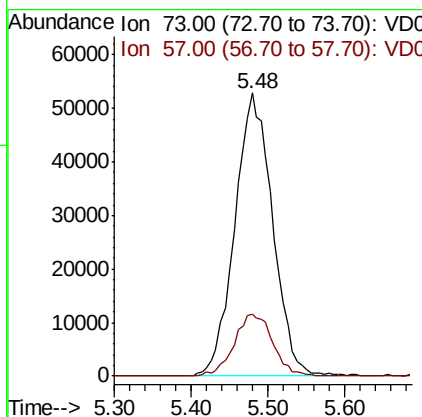
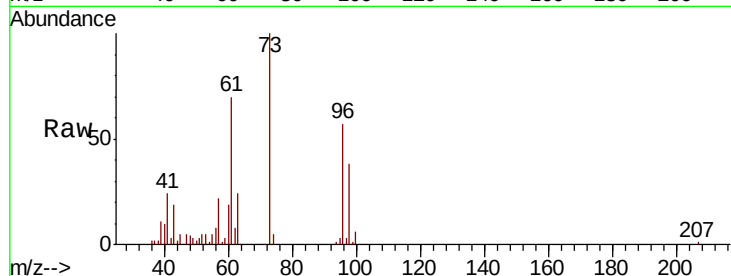




#19
Methyl tert-butyl Ether
Concen: 19.697 ug/l
RT: 5.48 min Scan# 605
Delta R.T. 0.00 min
Lab File: VD065616.D
Acq: 13 Apr 2020 14:52

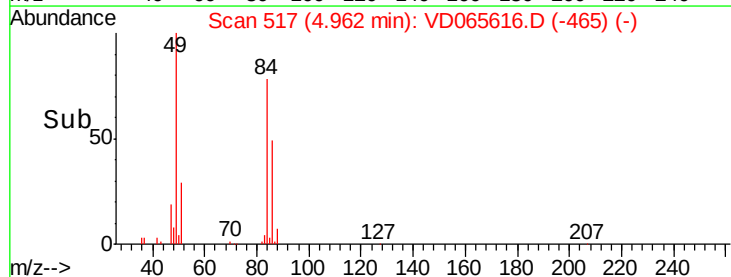
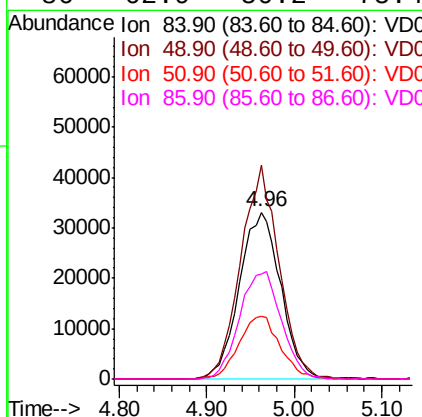
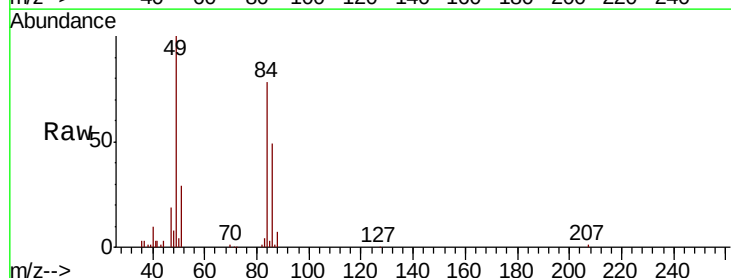
Instrument :
MSVOA_D
ClientSampleId :
VD0413SBS01

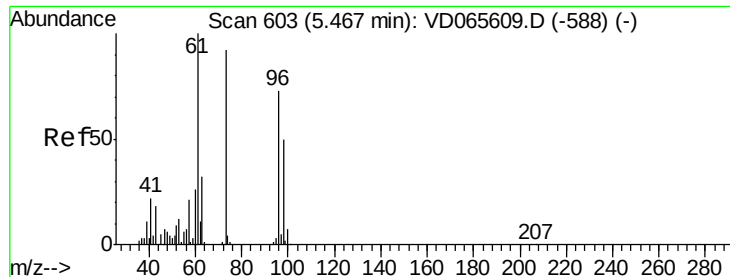
Tot Ion: 73 Resp: 181019
Ion Ratio Lower Upper
73 100
57 21.7 18.2 27.2



#20
Methylene Chloride
Concen: 18.961 ug/l
RT: 4.96 min Scan# 517
Delta R.T. 0.01 min
Lab File: VD065616.D
Acq: 13 Apr 2020 14:52

Tgt Ion: 84 Resp: 106134
Ion Ratio Lower Upper
84 100
49 128.1 93.4 140.2
51 37.6 28.5 42.7
86 62.9 50.2 75.4





#21

trans-1,2-Dichloroethene

Concen: 20.254 ug/l

RT: 5.47 min Scan# 603

Delta R.T. 0.00 min

Lab File: VD065616.D

Acq: 13 Apr 2020 14:52

Instrument :

MSVOA_D

ClientSampleId :

VD0413SBS01

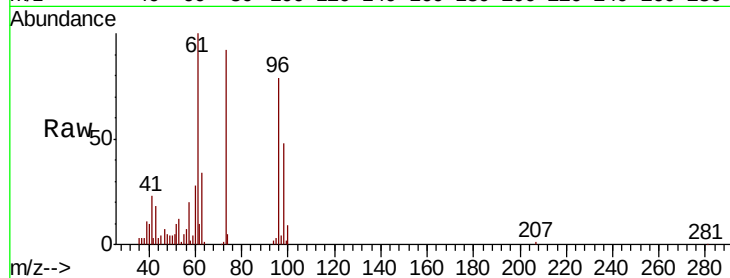
Tot Ion: 96 Resp: 109277

Ion Ratio Lower Upper

96 100

61 126.6 109.8 164.6

98 60.2 54.8 82.2

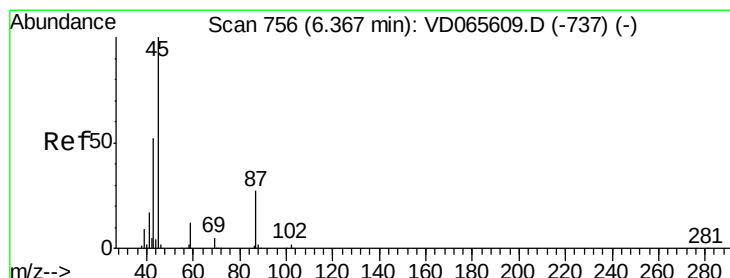
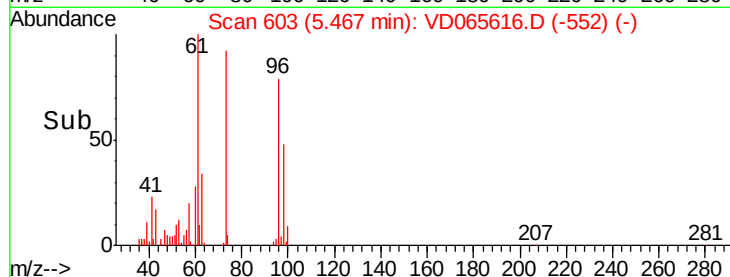
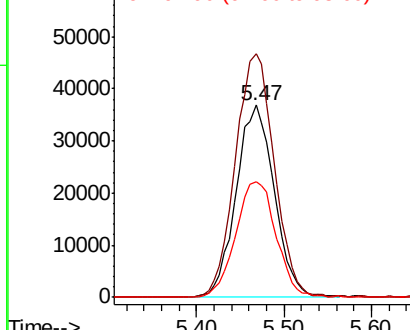


Abundance

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



#22

Diisopropyl ether

Concen: 20.461 ug/l

RT: 6.36 min Scan# 755

Delta R.T. -0.01 min

Lab File: VD065616.D

Acq: 13 Apr 2020 14:52

Tgt Ion: 45 Resp: 277336

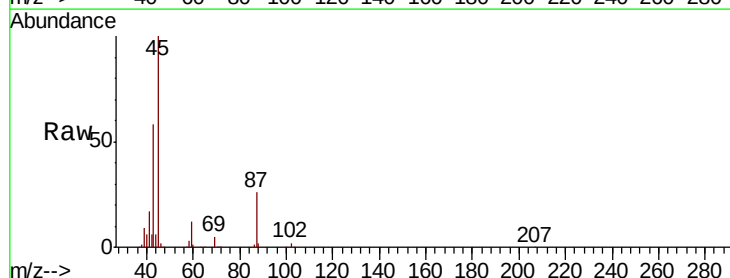
Ion Ratio Lower Upper

45 100

43 56.9 42.5 63.7

87 26.1 22.3 33.5

59 12.0 9.5 14.3



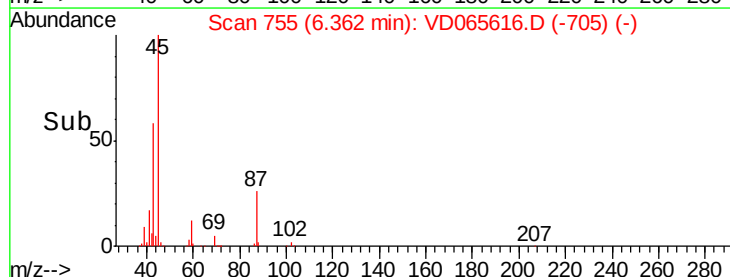
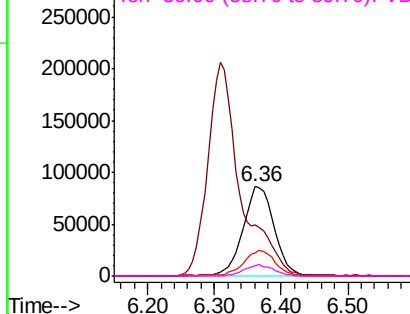
Abundance

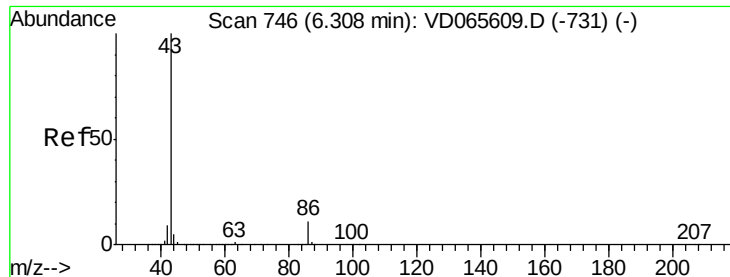
Ion 45.00 (44.70 to 45.70): VDC

Ion 43.00 (42.70 to 43.70): VDC

Ion 87.00 (86.70 to 87.70): VDC

Ion 59.00 (58.70 to 59.70): VDC





#23

Vinyl Acetate

Concen: 98.468 ug/l

RT: 6.31 min Scan# 746

Delta R.T. 0.00 min

Lab File: VD065616.D

Acq: 13 Apr 2020 14:52

Instrument :

MSVOA_D

ClientSampleId :

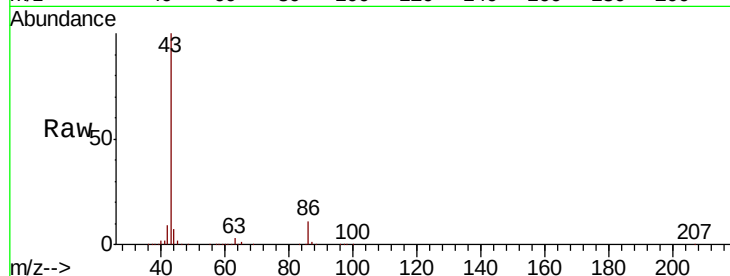
VD0413SBS01

Tot Ion: 43 Resp: 706141

Ion Ratio Lower Upper

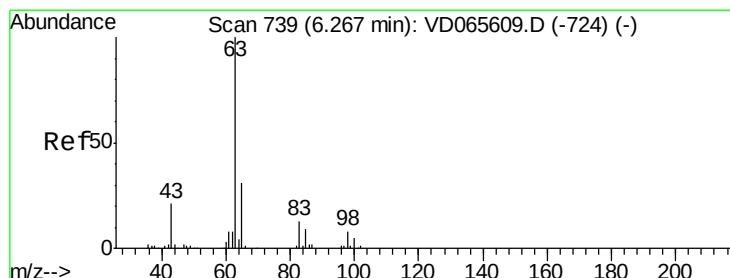
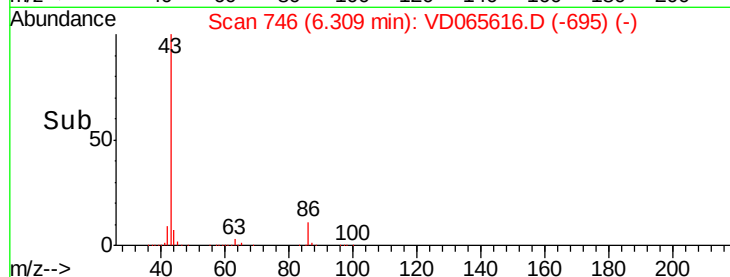
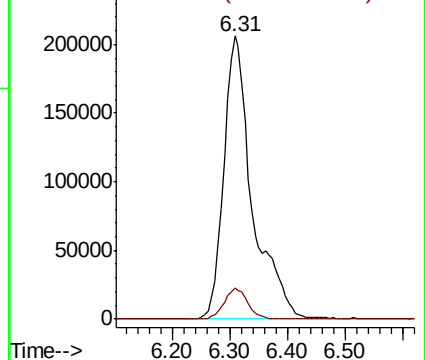
43 100

86 11.2 9.1 13.7



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 19.735 ug/l

RT: 6.27 min Scan# 739

Delta R.T. 0.00 min

Lab File: VD065616.D

Acq: 13 Apr 2020 14:52

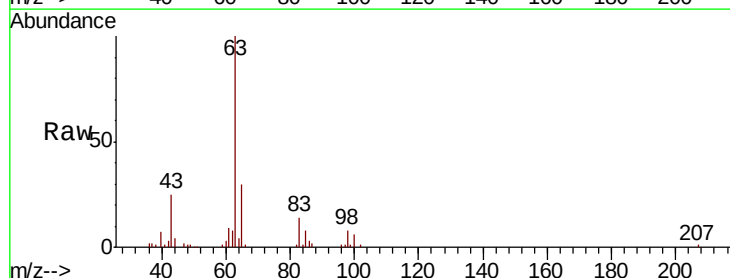
Tgt Ion: 63 Resp: 177961

Ion Ratio Lower Upper

63 100

98 7.8 4.0 11.9

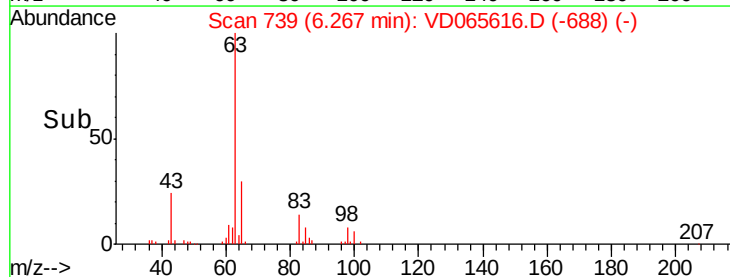
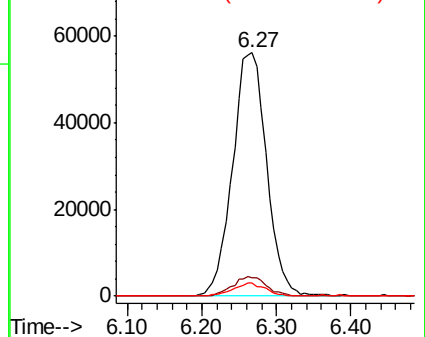
100 5.5 2.6 7.8

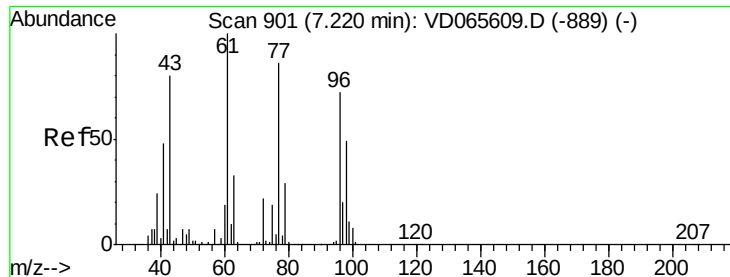


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 90.723 ug/l

RT: 7.22 min Scan# 901

Delta R.T. 0.00 min

Lab File: VD065616.D

Acq: 13 Apr 2020 14:52

Instrument :

MSVOA_D

ClientSampleId :

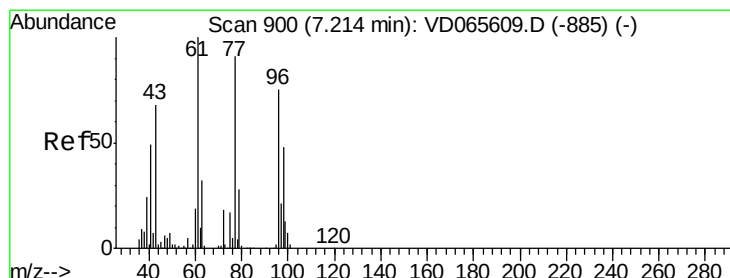
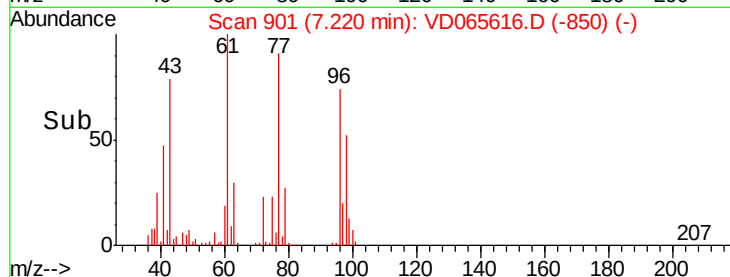
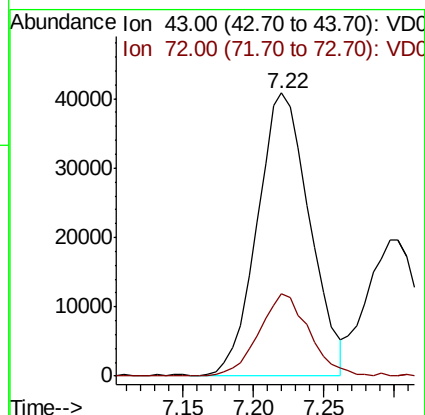
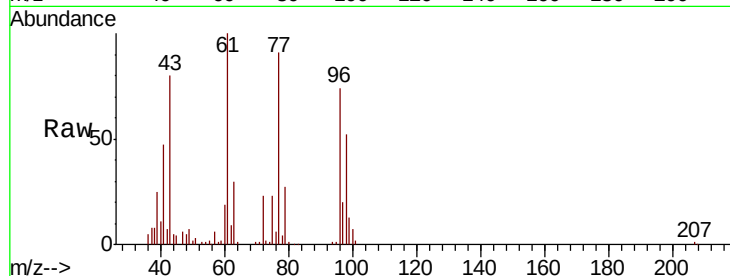
VD0413SBS01

Tot Ion: 43 Resp: 105150

Ion Ratio Lower Upper

43 100

72 29.1 22.5 33.7



#26

2,2-Dichloropropane

Concen: 20.218 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD065616.D

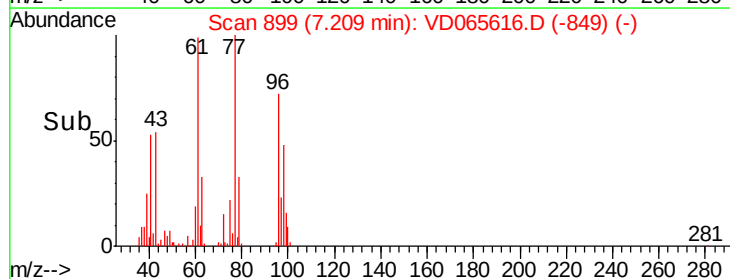
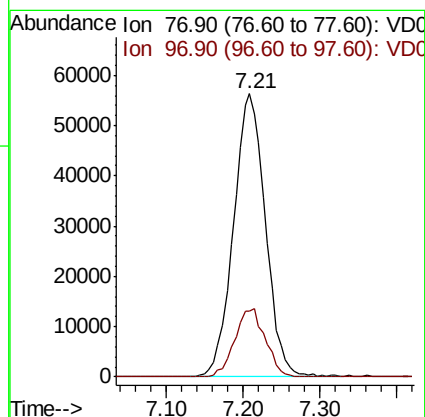
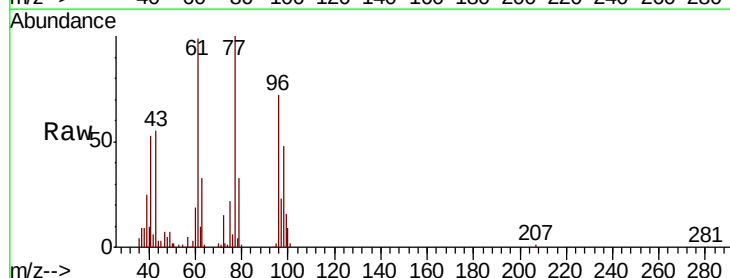
Acq: 13 Apr 2020 14:52

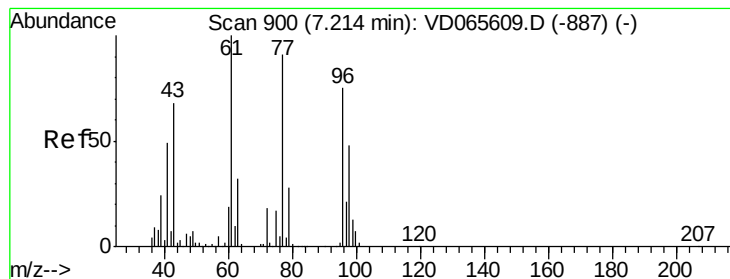
Tgt Ion: 77 Resp: 163158

Ion Ratio Lower Upper

77 100

97 23.2 11.7 35.1





#27

cis-1,2-Dichloroethene

Concen: 20.408 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.00 min

Lab File: VD065616.D

Acq: 13 Apr 2020 14:52

Instrument :

MSVOA_D

ClientSampleId :

VD0413SBS01

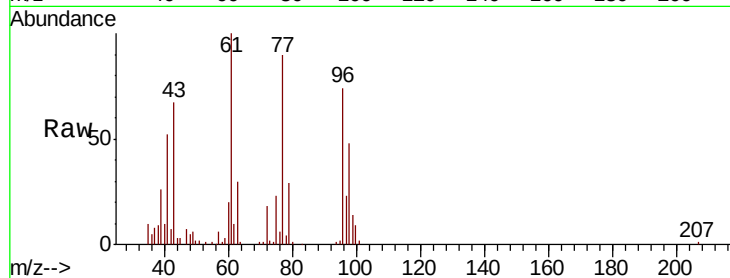
Tot Ion: 96 Resp: 112688

Ion Ratio Lower Upper

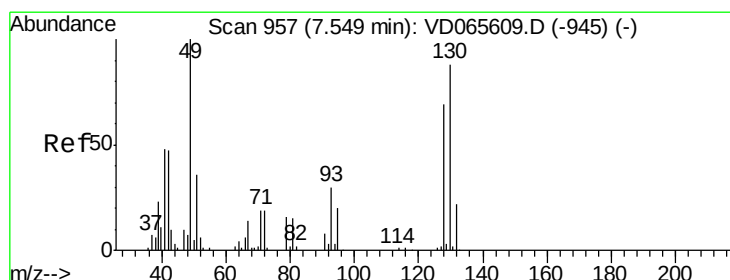
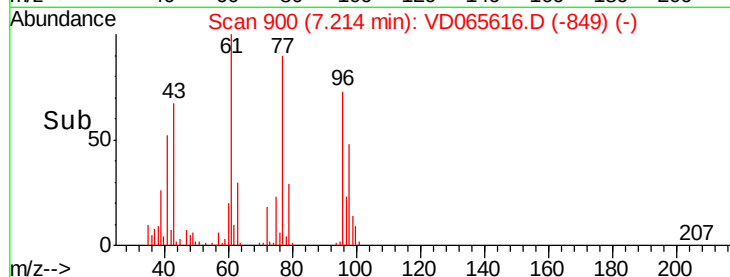
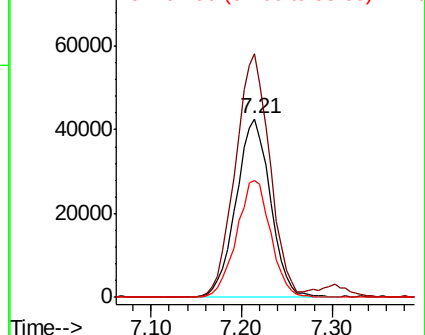
96 100

61 136.5 0.0 279.0

98 64.9 0.0 130.2



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: 19.630 ug/l

RT: 7.54 min Scan# 956

Delta R.T. -0.01 min

Lab File: VD065616.D

Acq: 13 Apr 2020 14:52

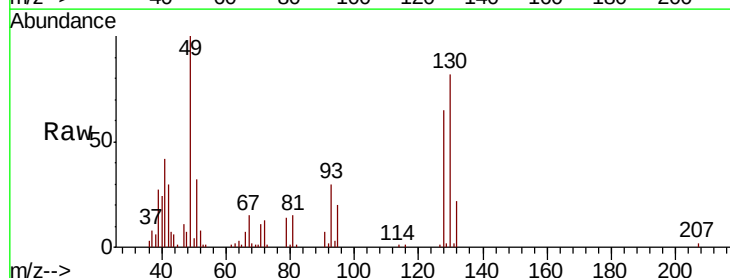
Tgt Ion: 49 Resp: 71047

Ion Ratio Lower Upper

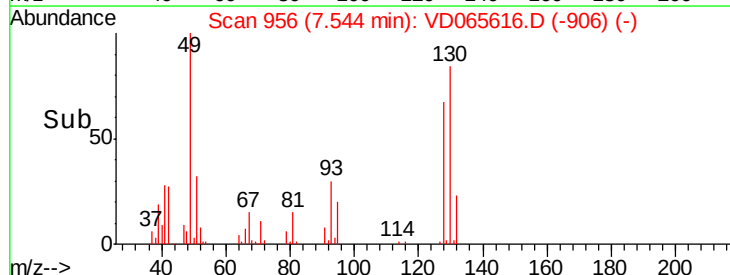
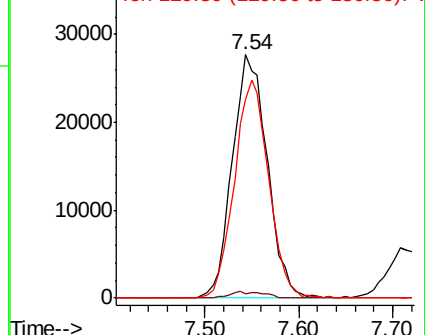
49 100

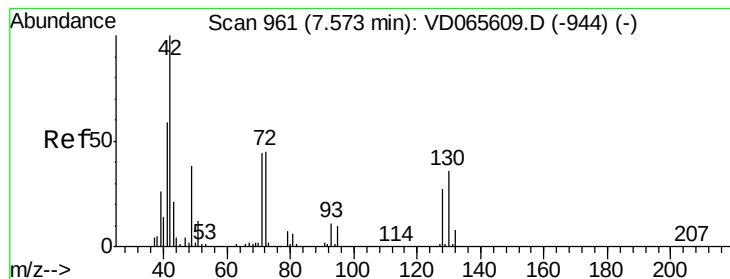
129 2.6 0.0 4.8

130 88.2 69.4 104.2



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





#29

Tetrahydrofuran

Concen: 93.131 ug/l

RT: 7.57 min Scan# 961

Delta R.T. 0.00 min

Lab File: VD065616.D

Acq: 13 Apr 2020 14:52

Instrument :

MSVOA_D

ClientSampleId :

VD0413SBS01

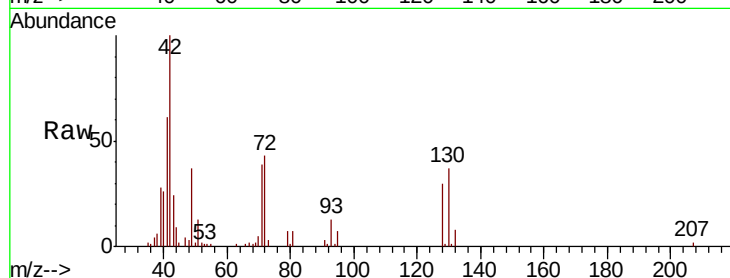
Tot Ion: 42 Resp: 67830

Ion Ratio Lower Upper

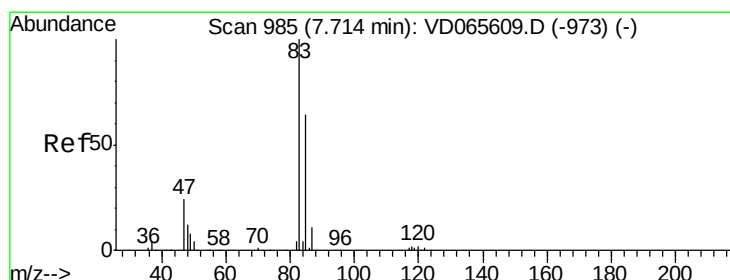
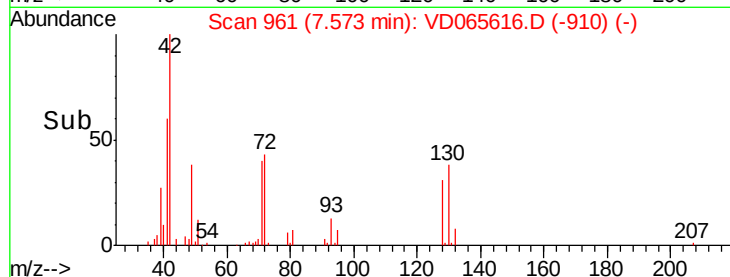
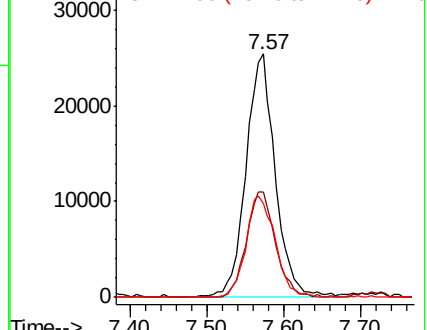
42 100

72 42.9 35.3 52.9

71 41.3 33.1 49.7



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: 19.963 ug/l

RT: 7.71 min Scan# 985

Delta R.T. 0.00 min

Lab File: VD065616.D

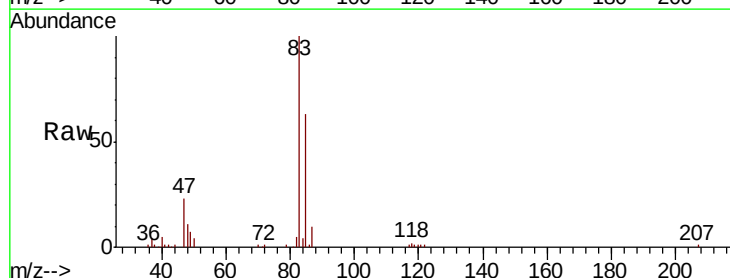
Acq: 13 Apr 2020 14:52

Tgt Ion: 83 Resp: 188500

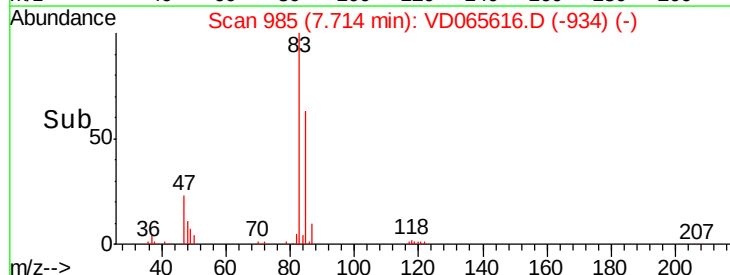
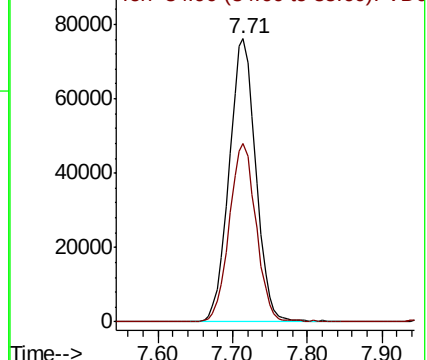
Ion Ratio Lower Upper

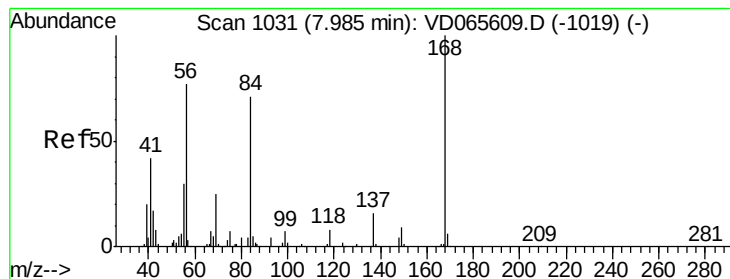
83 100

85 63.1 50.9 76.3



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





#31

Cyclohexane

Concen: 19.459 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD065616.D

Acq: 13 Apr 2020 14:52

Instrument :

MSVOA_D

ClientSampleId :

VD0413SBS01

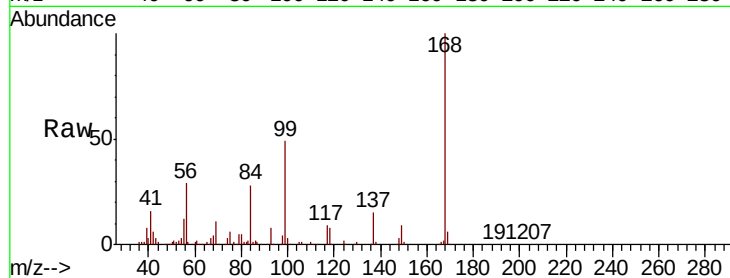
Tot Ion: 56 Resp: 162783

Ion Ratio Lower Upper

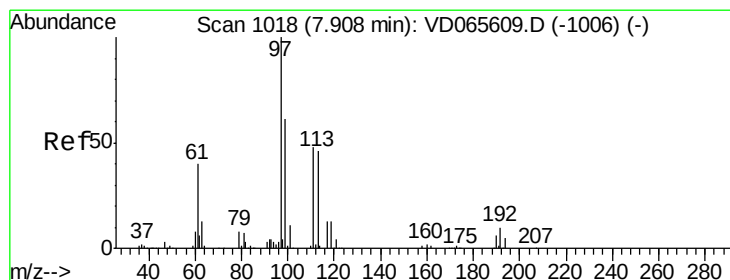
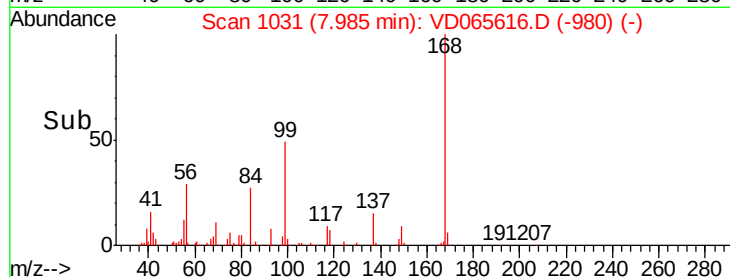
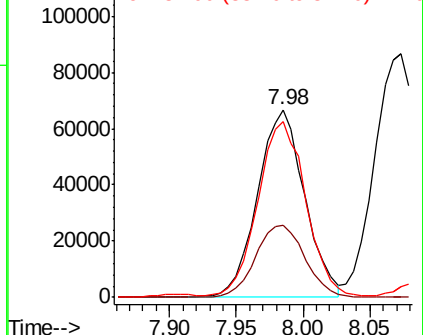
56 100

69 38.2 26.2 39.4

84 91.9 73.7 110.5



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



#32

1,1,1-Trichloroethane

Concen: 19.992 ug/l

RT: 7.90 min Scan# 1017

Delta R.T. -0.01 min

Lab File: VD065616.D

Acq: 13 Apr 2020 14:52

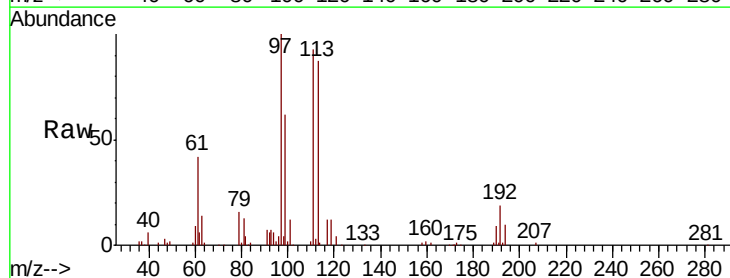
Tgt Ion: 97 Resp: 170592

Ion Ratio Lower Upper

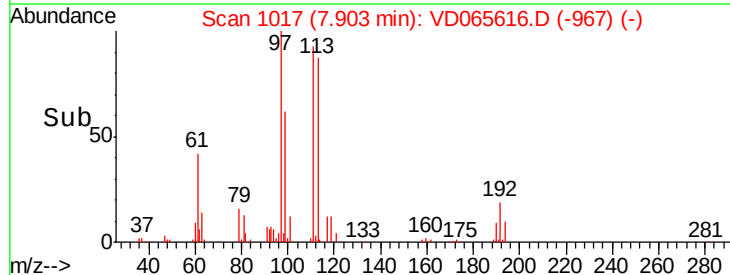
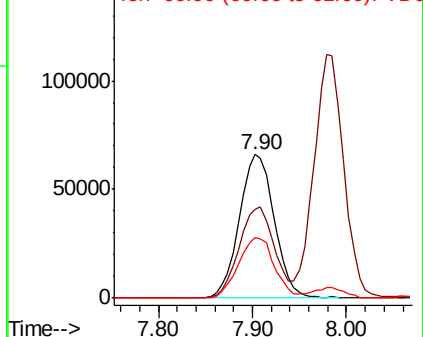
97 100

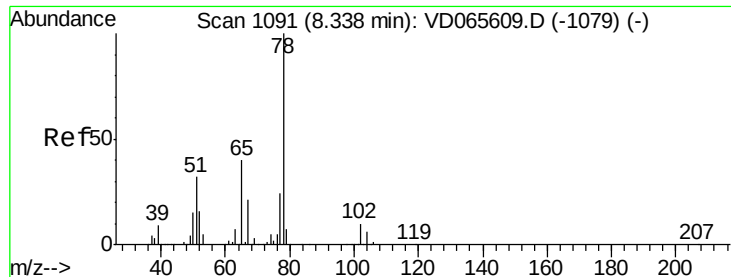
99 63.4 50.2 75.2

61 43.7 33.5 50.3



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

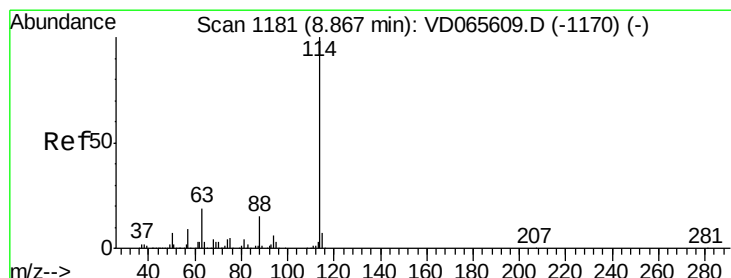
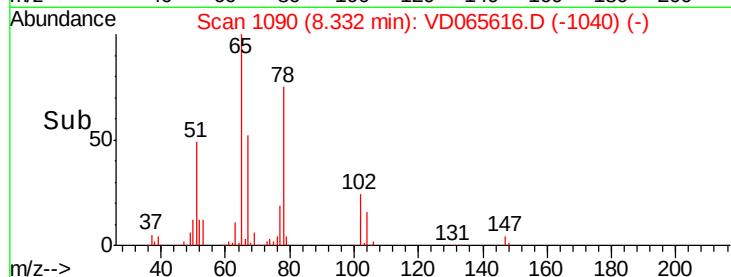
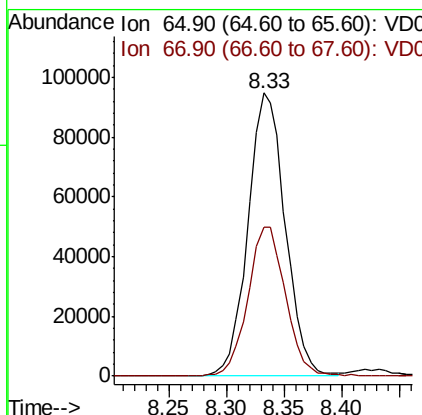
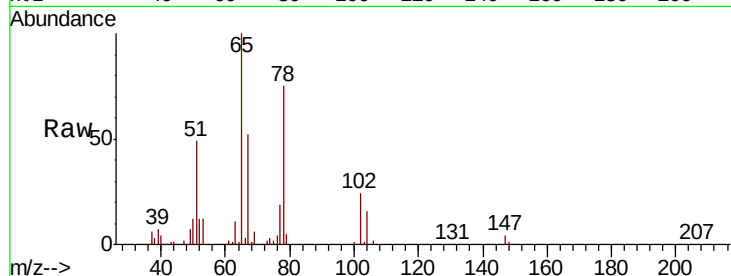




#33
 1,2-Dichloroethane-d4
 Concen: 45.384 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. -0.01 min
 Lab File: VD065616.D
 Acq: 13 Apr 2020 14:52

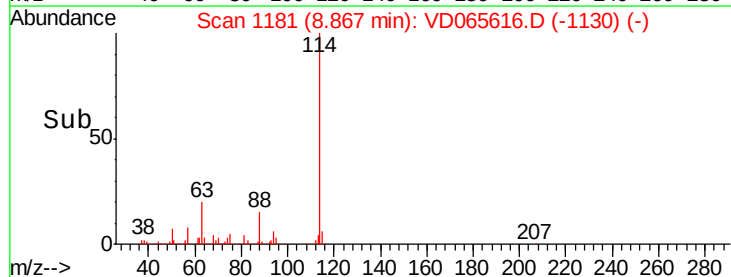
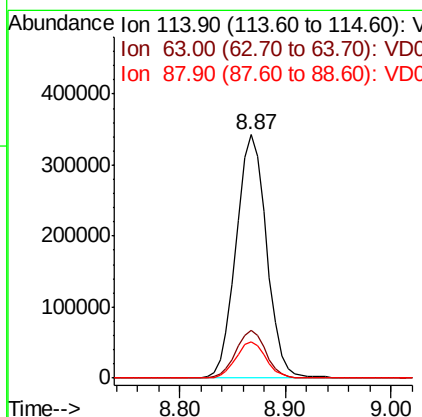
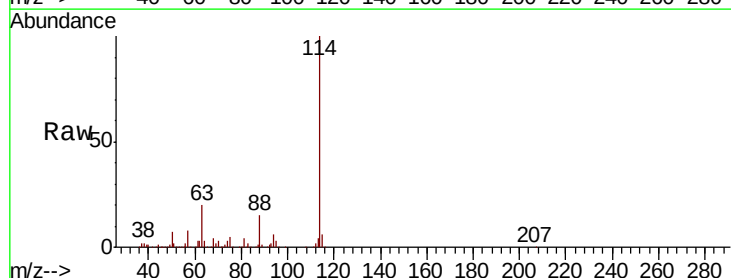
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0413SBS01

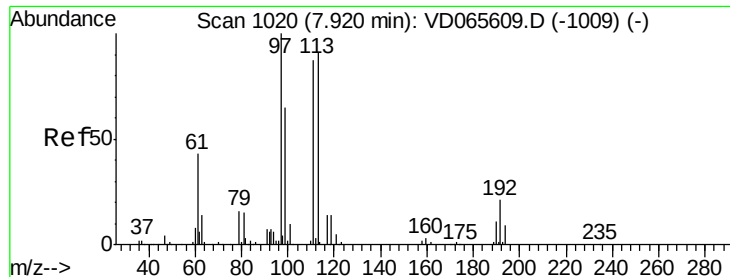
Tot Ion: 65 Resp: 212822
 Ion Ratio Lower Upper
 65 100
 67 53.4 0.0 107.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD065616.D
 Acq: 13 Apr 2020 14:52

Tgt Ion: 114 Resp: 685078
 Ion Ratio Lower Upper
 114 100
 63 19.6 0.0 38.2
 88 15.0 0.0 29.6

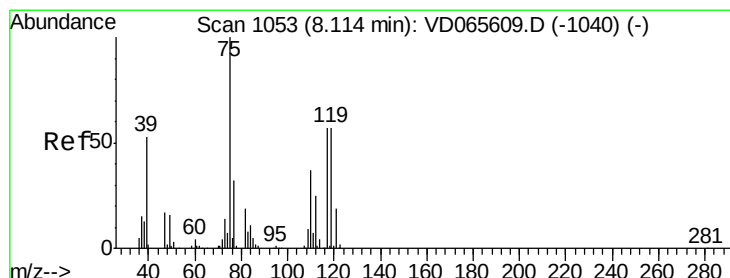
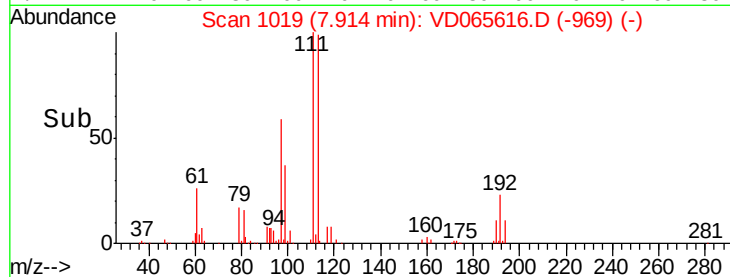
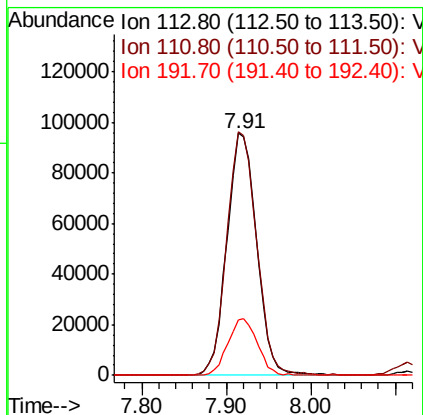
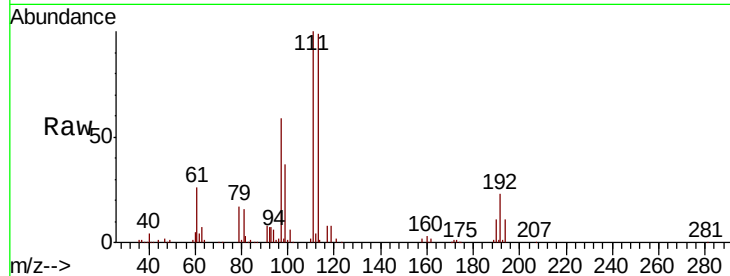




#35
 Dibromofluoromethane
 Concen: 48.416 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. -0.01 min
 Lab File: VD065616.D
 Acq: 13 Apr 2020 14:52

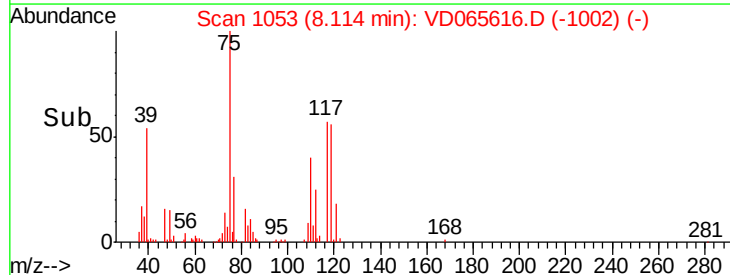
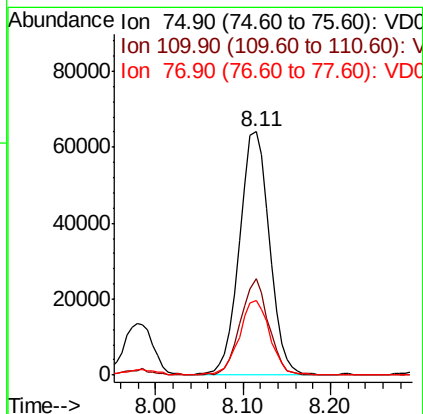
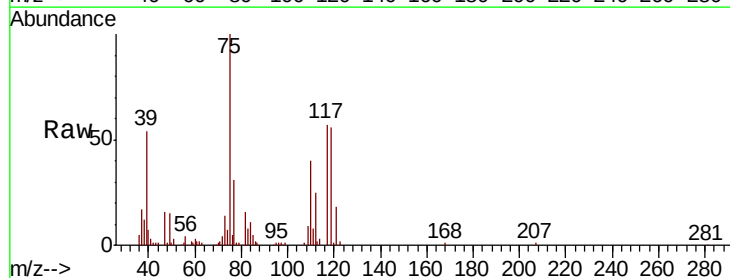
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0413SBS01

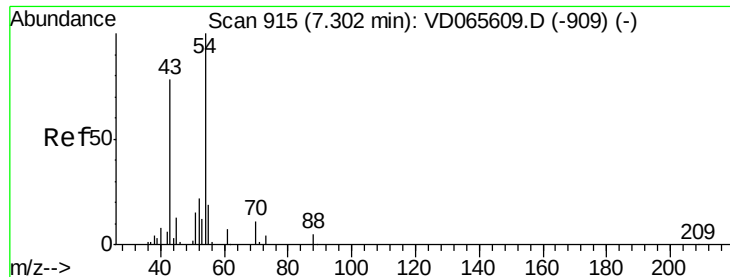
Tot Ion	Ratio	Lower	Upper
113	100		
111	101.5	80.6	120.8
192	23.2	18.6	27.8



#36
 1,1-Dichloropropene
 Concen: 21.203 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. 0.00 min
 Lab File: VD065616.D
 Acq: 13 Apr 2020 14:52

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.6	18.3	54.9
77	31.1	25.0	37.6

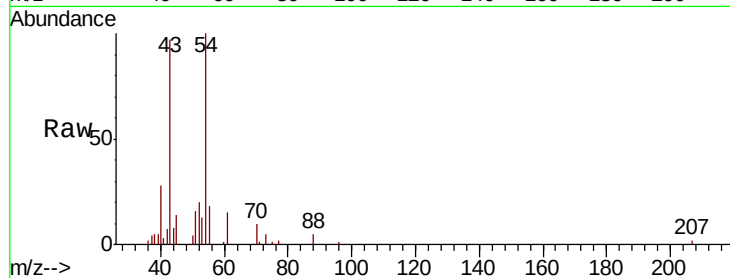




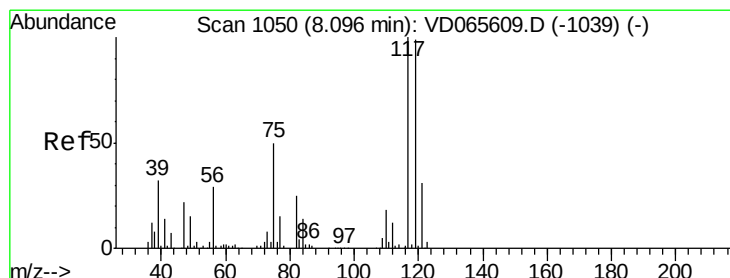
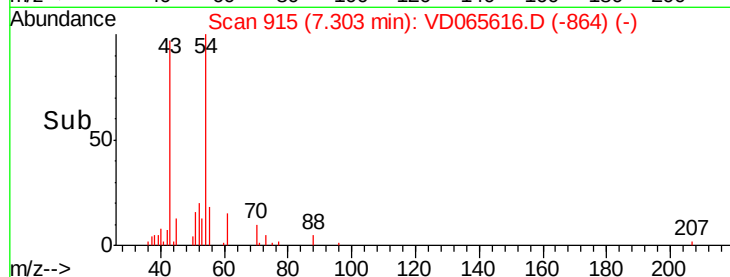
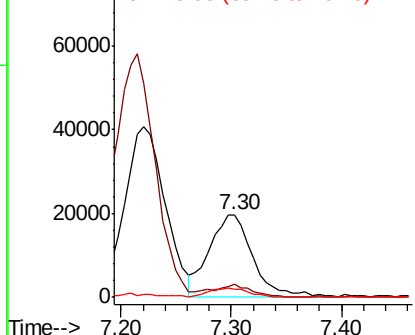
#37
Ethyl Acetate
Concen: 20.158 ug/l
RT: 7.30 min Scan# 915
Delta R.T. 0.00 min
Lab File: VD065616.D
Acq: 13 Apr 2020 14:52

Instrument :
MSVOA_D
ClientSampleId :
VD0413SBS01

Tot Ion: 43 Resp: 52790
Ion Ratio Lower Upper
43 100
61 14.6 11.3 16.9
70 10.4 8.6 13.0

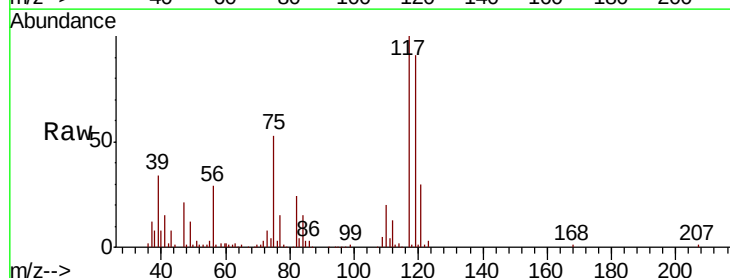


Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 60.90 (60.60 to 61.60): VDC
Ion 70.00 (69.70 to 70.70): VDC

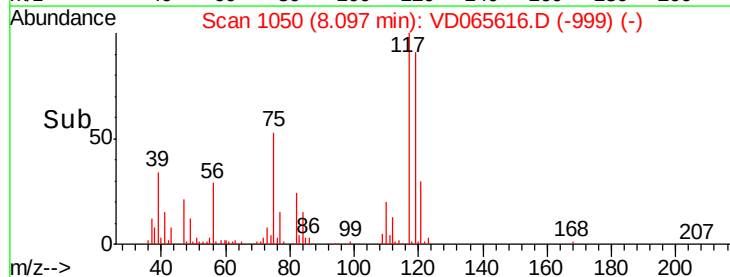
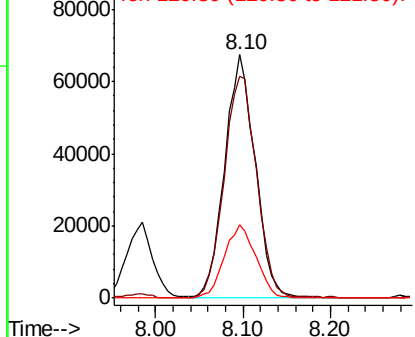


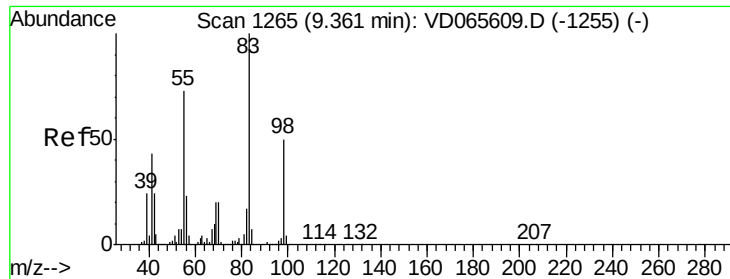
#38
Carbon Tetrachloride
Concen: 21.021 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VD065616.D
Acq: 13 Apr 2020 14:52

Tgt Ion: 117 Resp: 160988
Ion Ratio Lower Upper
117 100
119 91.1 78.9 118.3
121 30.1 24.6 37.0



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

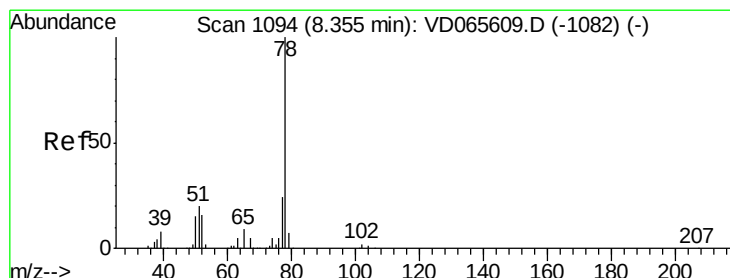
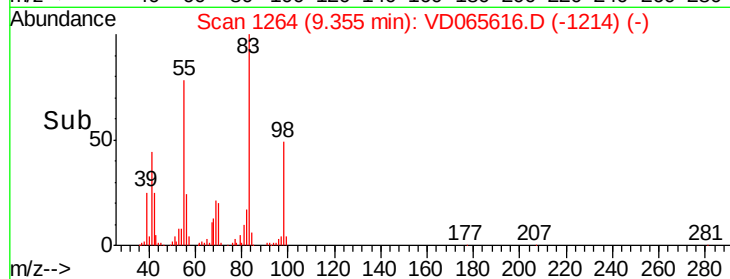
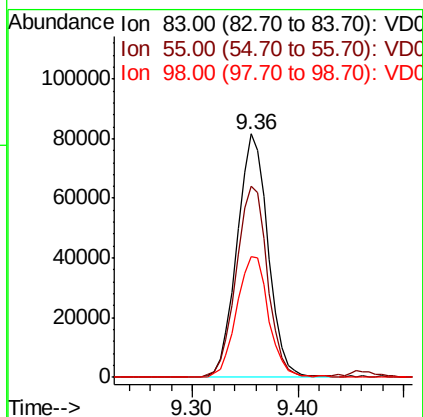
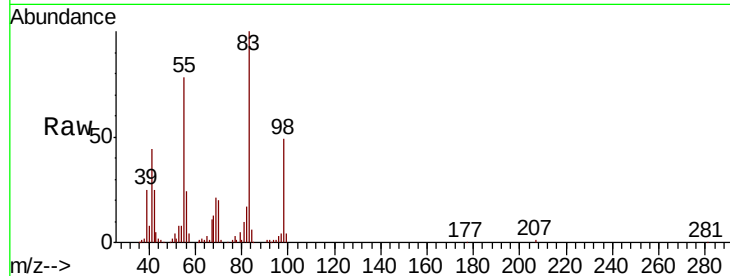




#39
Methylvlcyclohexane
Concen: 20.793 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.01 min
Lab File: VD065616.D
Acq: 13 Apr 2020 14:52

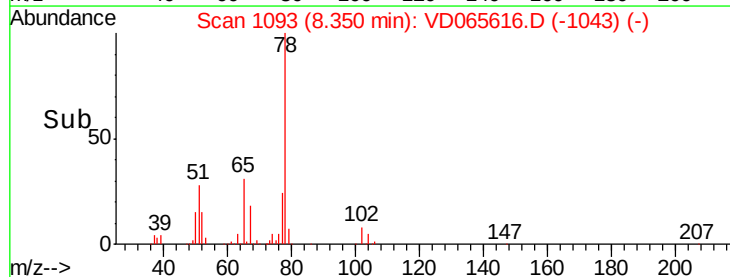
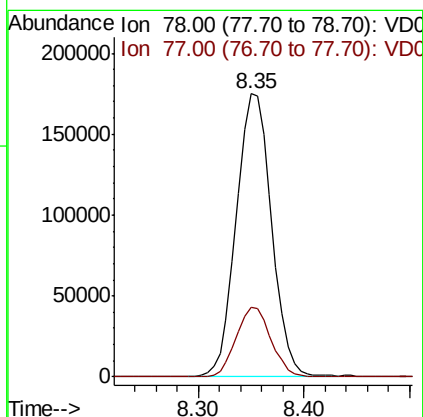
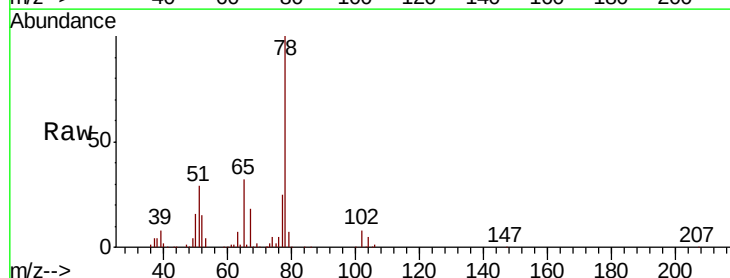
Instrument :
MSVOA_D
ClientSampleId :
VD0413SBS01

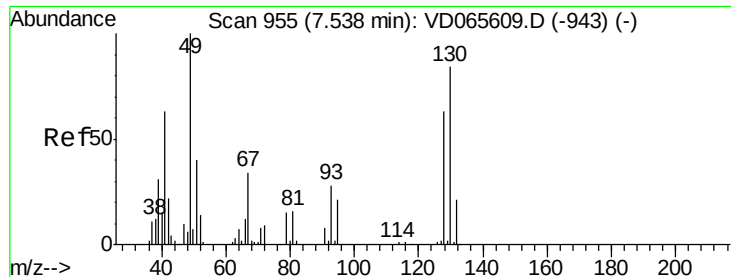
Tot Ion: 83 Resp: 166016
Ion Ratio Lower Upper
83 100
55 78.4 58.7 88.1
98 49.4 40.2 60.4



#40
Benzene
Concen: 20.172 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. -0.01 min
Lab File: VD065616.D
Acq: 13 Apr 2020 14:52

Tgt Ion: 78 Resp: 406492
Ion Ratio Lower Upper
78 100
77 24.6 19.4 29.0





#41

Methacrylonitrile

Concen: 48.527 ug/l

RT: 7.57 min Scan# 960

Delta R.T. 0.03 min

Lab File: VD065616.D

Acq: 13 Apr 2020 14:52

Instrument :

MSVOA_D

ClientSampleId :

VD0413SBS01

Tot Ion: 41 Resp: 71904

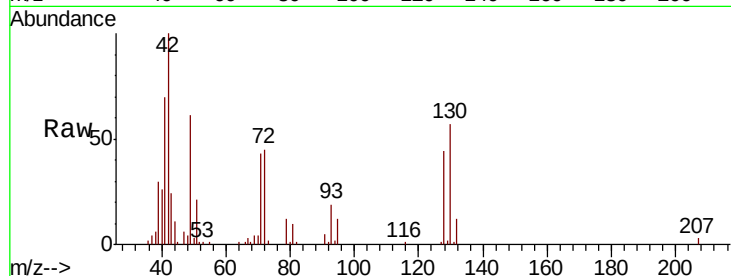
Ion Ratio Lower Upper

41 100

39 0.0 0.0 0.0

67 0.0 0.0 0.0

52 0.0 0.0 0.0

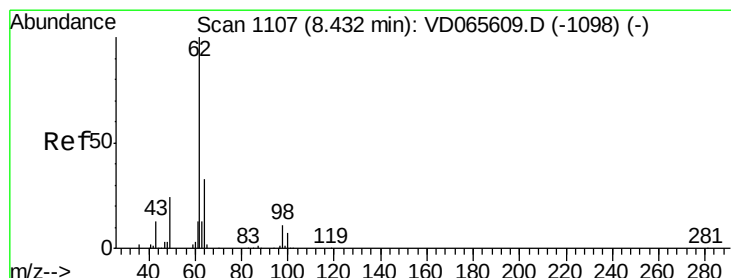
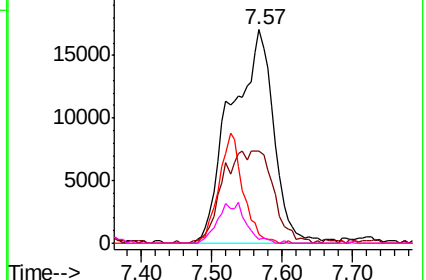
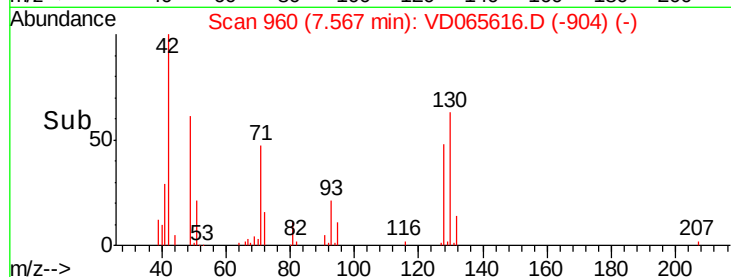


Abundance Ion 41.00 (40.70 to 41.70): VDC

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: 19.862 ug/l

RT: 8.43 min Scan# 1106

Delta R.T. -0.01 min

Lab File: VD065616.D

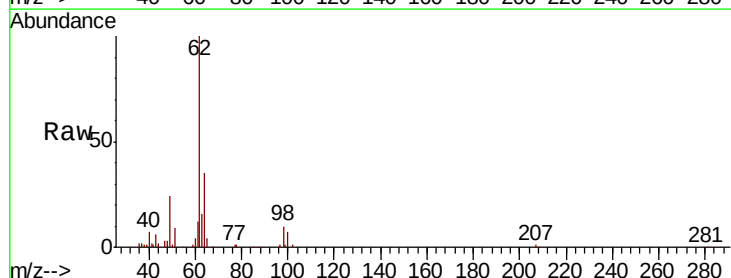
Acq: 13 Apr 2020 14:52

Tgt Ion: 62 Resp: 111798

Ion Ratio Lower Upper

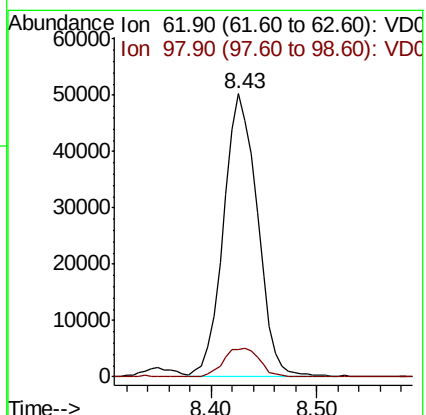
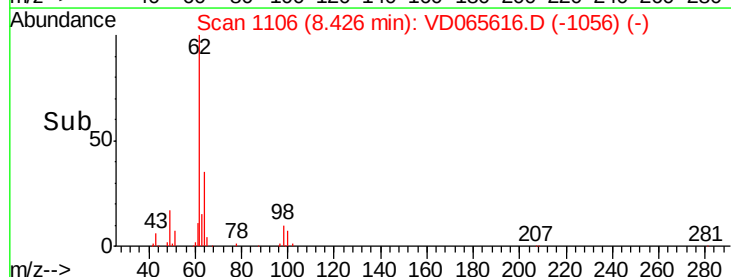
62 100

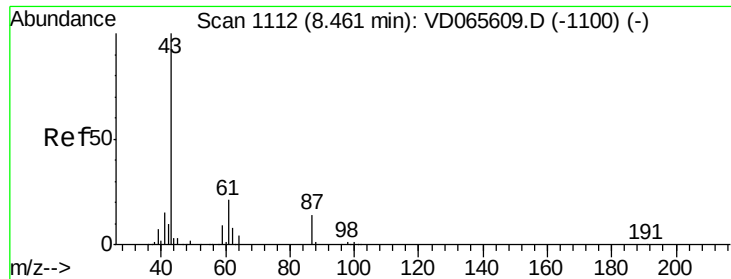
98 10.7 0.0 21.0



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 97.90 (97.60 to 98.60): VDC





#43

Isopropyl Acetate

Concen: 19.444 ug/l

RT: 8.46 min Scan# 1112

Delta R.T. 0.00 min

Lab File: VD065616.D

Acq: 13 Apr 2020 14:52

Instrument :

MSVOA_D

ClientSampleId :

VD0413SBS01

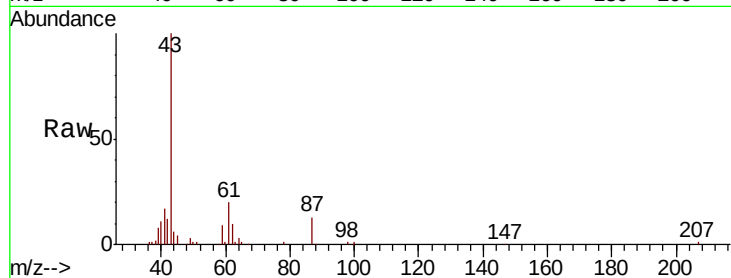
Tot Ion: 43 Resp: 92904

Ion Ratio Lower Upper

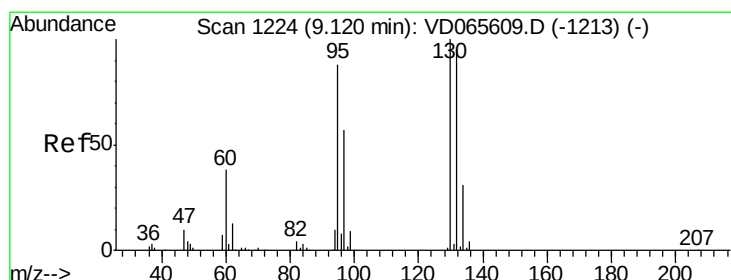
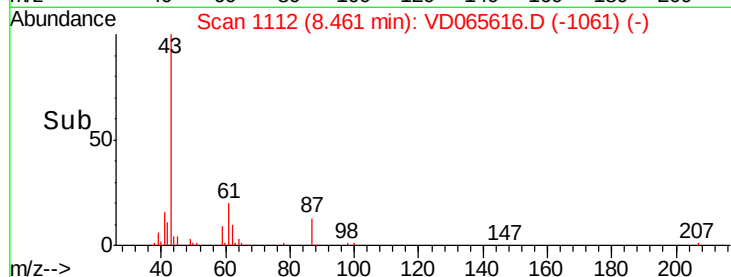
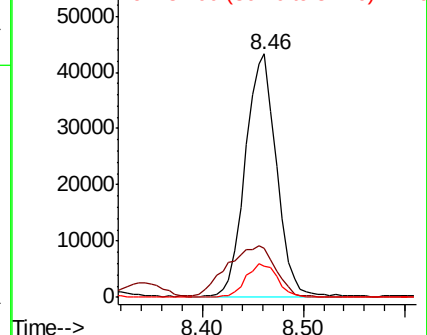
43 100

61 32.8 25.9 38.9

87 13.7 10.9 16.3



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: 20.697 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. -0.01 min

Lab File: VD065616.D

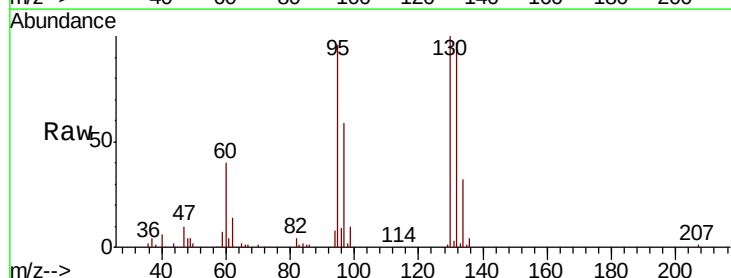
Acq: 13 Apr 2020 14:52

Tgt Ion: 130 Resp: 119870

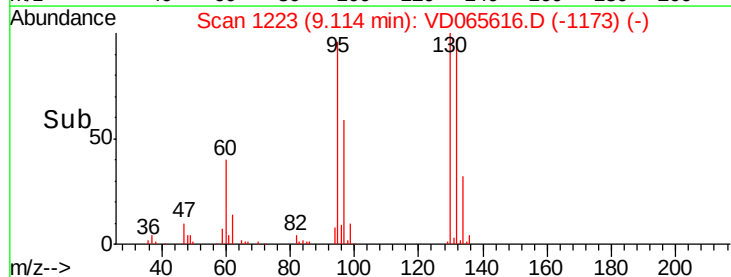
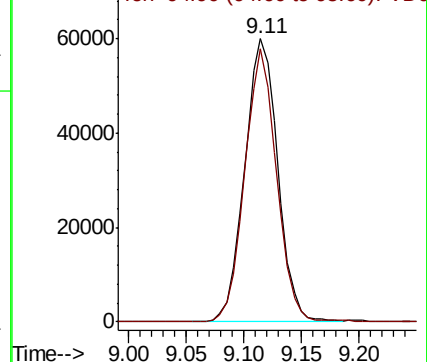
Ion Ratio Lower Upper

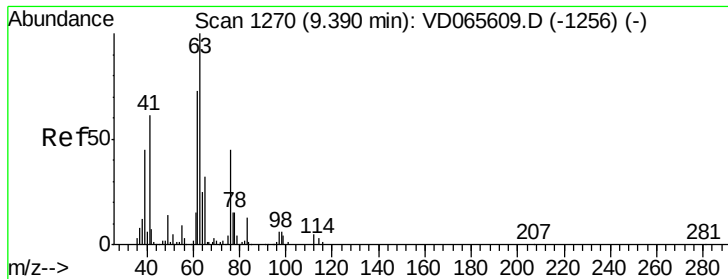
130 100

95 96.3 0.0 176.8



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

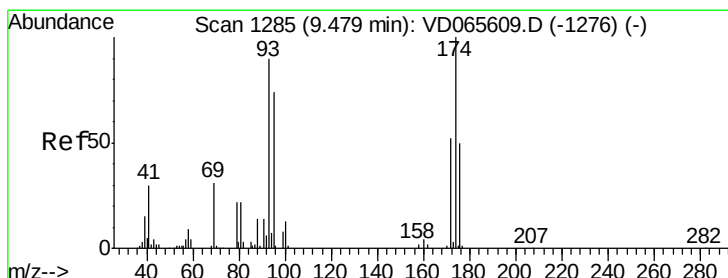
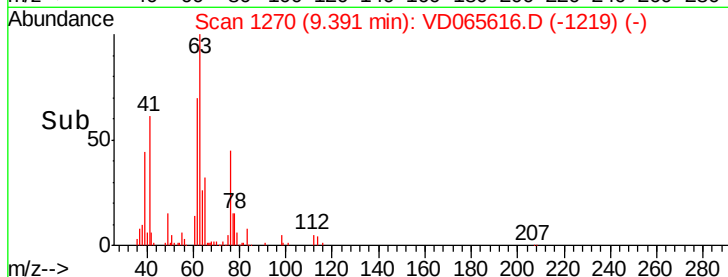
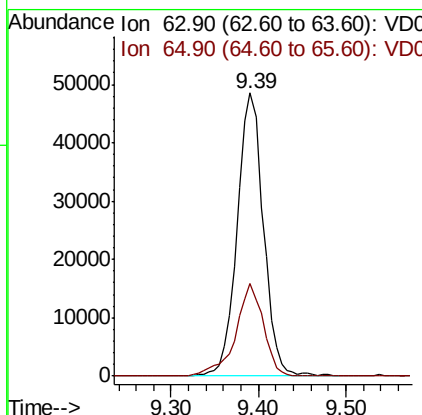
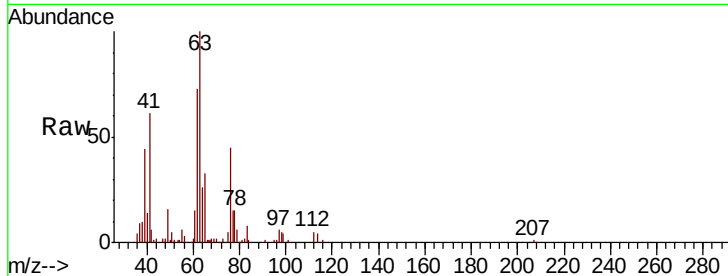




#45
 1,2-Dichloropropane
 Concen: 19.970 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VD065616.D
 Acq: 13 Apr 2020 14:52

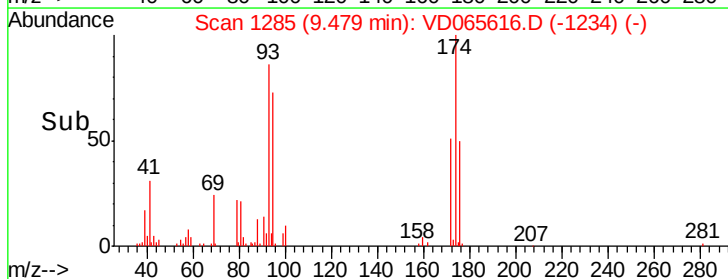
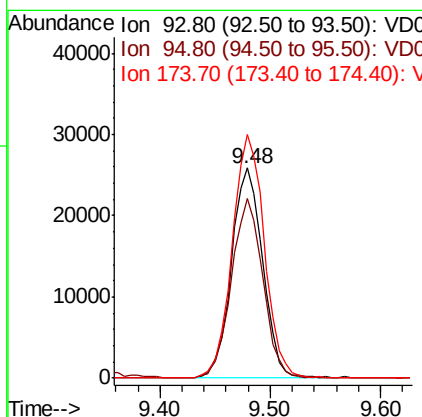
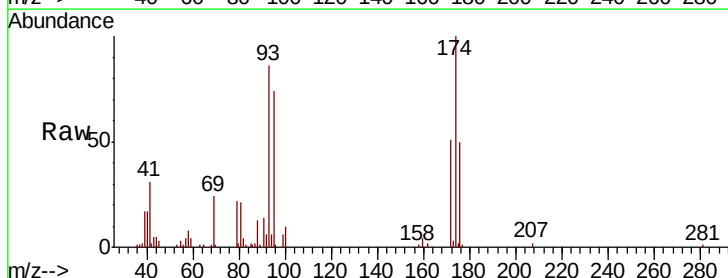
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0413SBS01

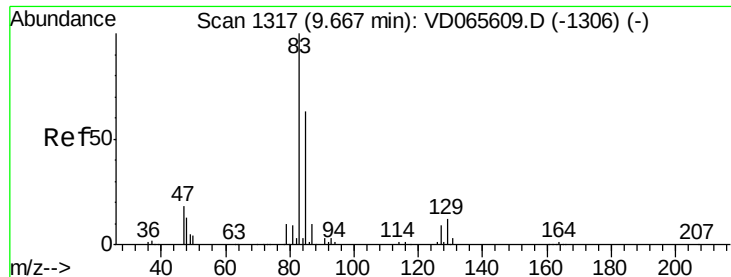
Tot Ion: 63 Resp: 97993
 Ion Ratio Lower Upper
 63 100
 65 32.7 25.3 37.9



#46
 Dibromomethane
 Concen: 19.497 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. 0.00 min
 Lab File: VD065616.D
 Acq: 13 Apr 2020 14:52

Tgt Ion: 93 Resp: 51423
 Ion Ratio Lower Upper
 93 100
 95 86.4 66.5 99.7
 174 118.7 91.5 137.3





#47

Bromodichloromethane

Concen: 20.211 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VD065616.D

Acq: 13 Apr 2020 14:52

Instrument :

MSVOA_D

ClientSampleId :

VD0413SBS01

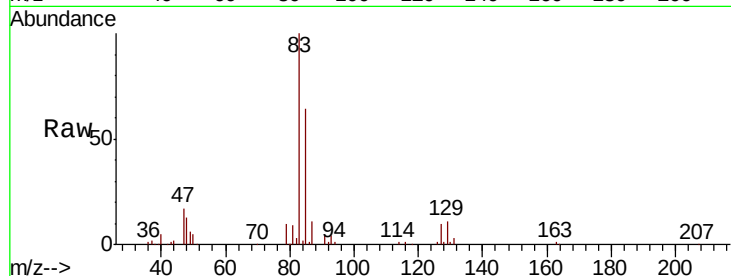
Tot Ion: 83 Resp: 139792

Ion Ratio Lower Upper

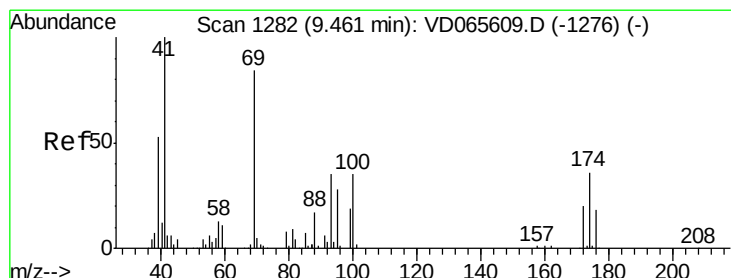
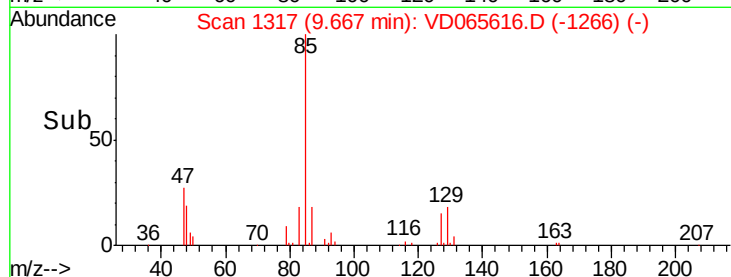
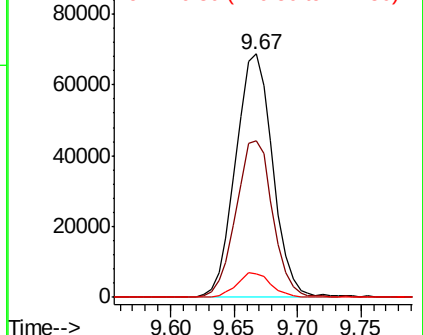
83 100

85 64.4 50.7 76.1

127 9.7 7.6 11.4



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: 19.967 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VD065616.D

Acq: 13 Apr 2020 14:52

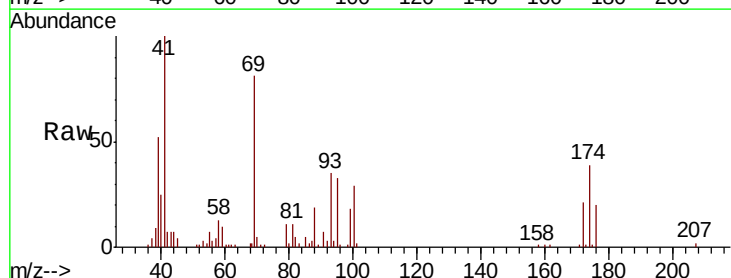
Tgt Ion: 41 Resp: 44246

Ion Ratio Lower Upper

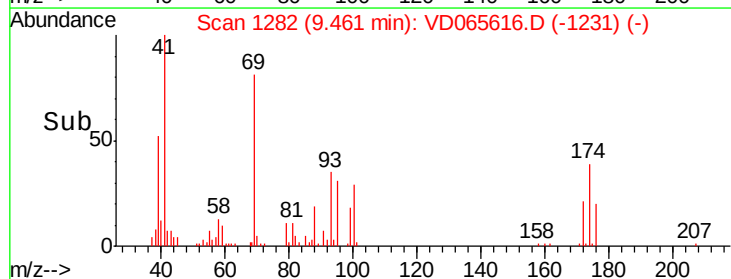
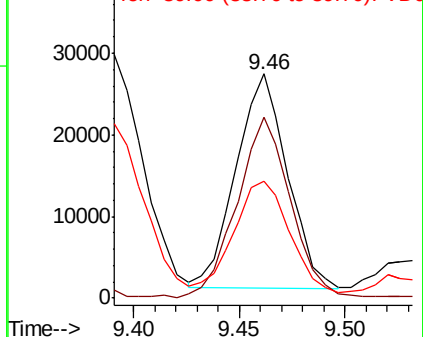
41 100

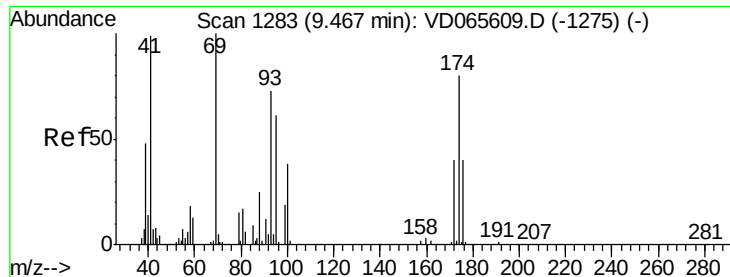
69 88.7 72.4 108.6

39 55.9 43.5 65.3



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: 422.325 ug/l

RT: 9.47 min Scan# 1284

Delta R.T. 0.01 min

Lab File: VD065616.D

Acq: 13 Apr 2020 14:52

Instrument :

MSVOA_D

ClientSampleId :

VD0413SBS01

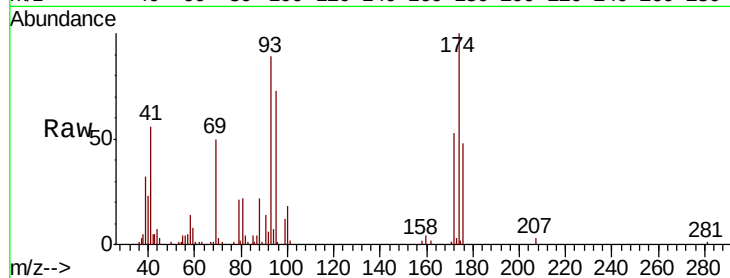
Tot Ion: 88 Resp: 11797

Ion Ratio Lower Upper

88 100

43 33.1 29.8 44.8

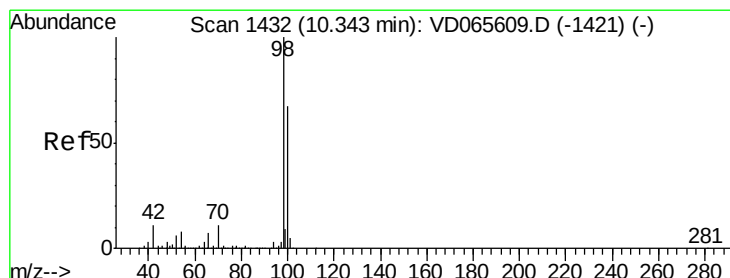
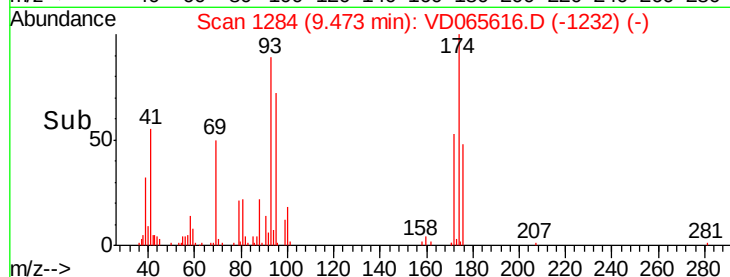
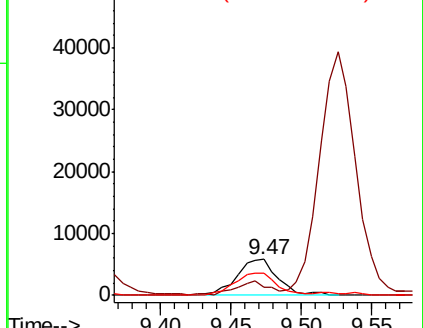
58 64.2 57.7 86.5



Abundance Ion 88.00 (87.70 to 88.70): VDC

Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#50

Toluene-d8

Concen: 49.137 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.00 min

Lab File: VD065616.D

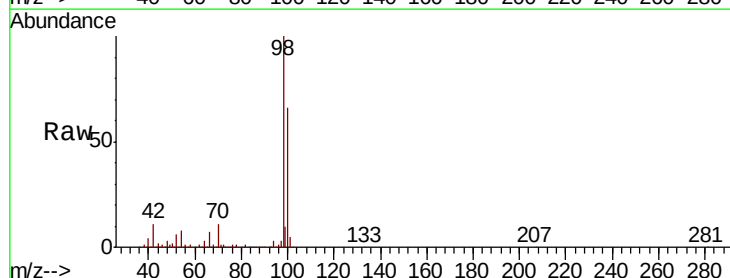
Acq: 13 Apr 2020 14:52

Tgt Ion: 98 Resp: 858796

Ion Ratio Lower Upper

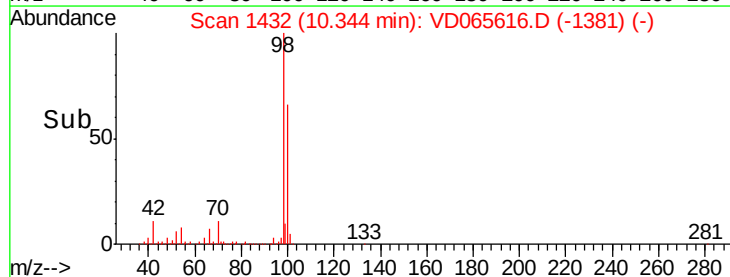
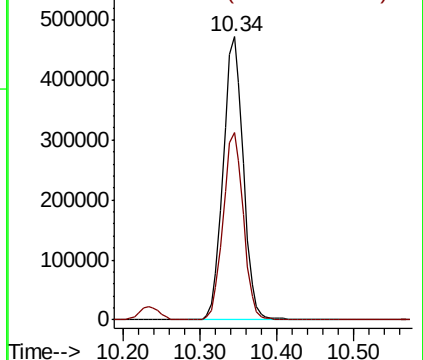
98 100

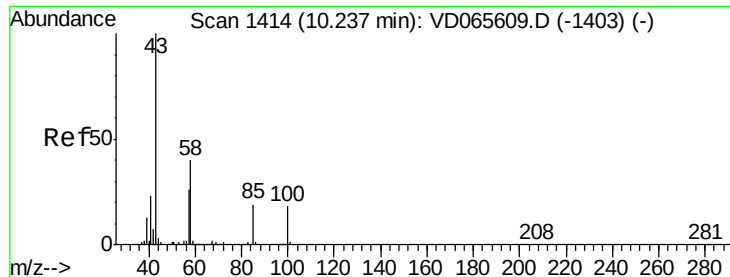
100 66.7 52.6 79.0



Abundance Ion 98.00 (97.70 to 98.70): VDC

Ion 100.00 (99.70 to 100.70): VDC





#51

4-Methyl-2-Pentanone

Concen: 98.908 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. -0.01 min

Lab File: VD065616.D

Acq: 13 Apr 2020 14:52

Instrument :

MSVOA_D

ClientSampleId :

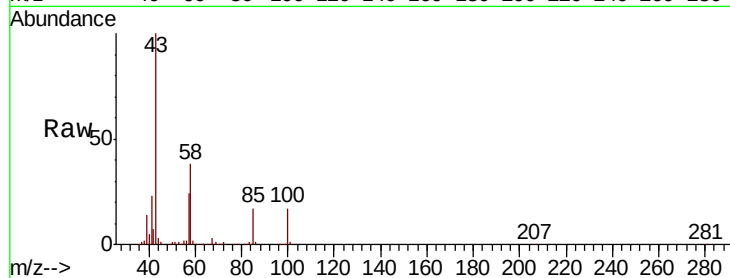
VD0413SBS01

Tot Ion: 43 Resp: 243536

Ion Ratio Lower Upper

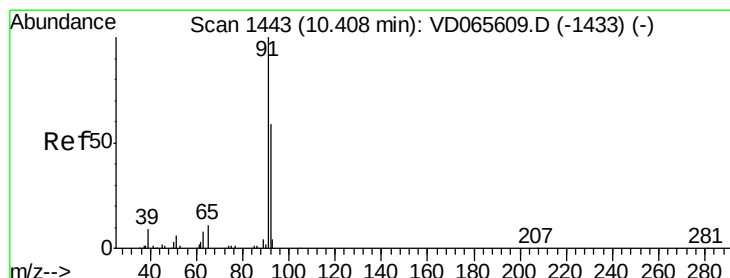
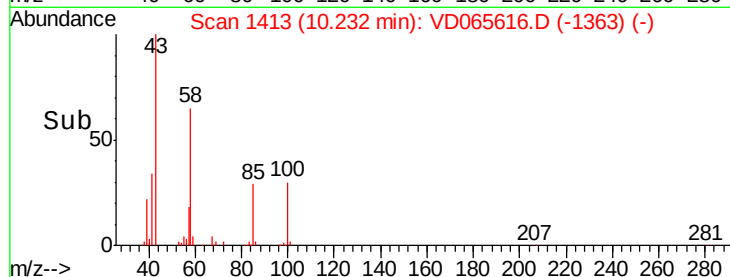
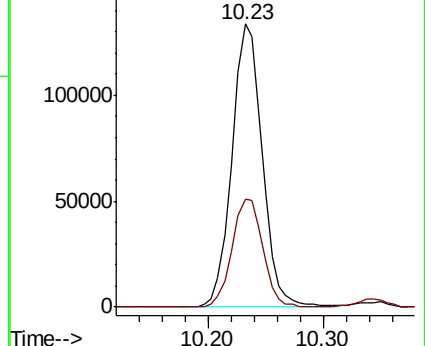
43 100

58 38.9 31.4 47.2



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#52

Toluene

Concen: 20.835 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. 0.00 min

Lab File: VD065616.D

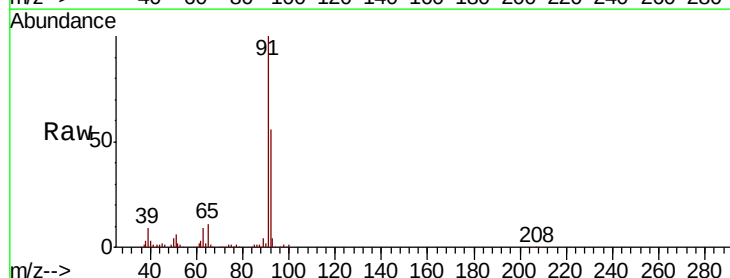
Acq: 13 Apr 2020 14:52

Tgt Ion: 92 Resp: 265467

Ion Ratio Lower Upper

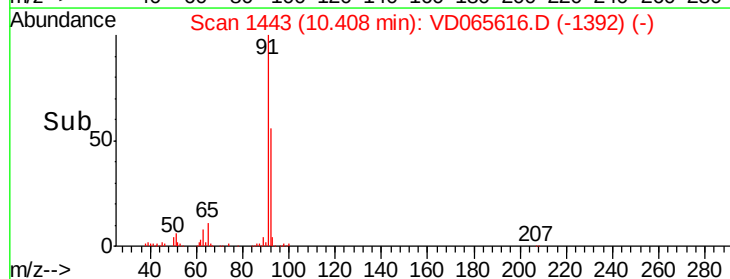
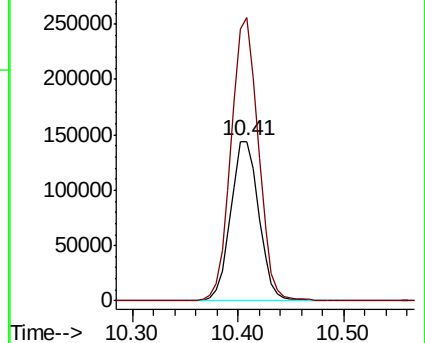
92 100

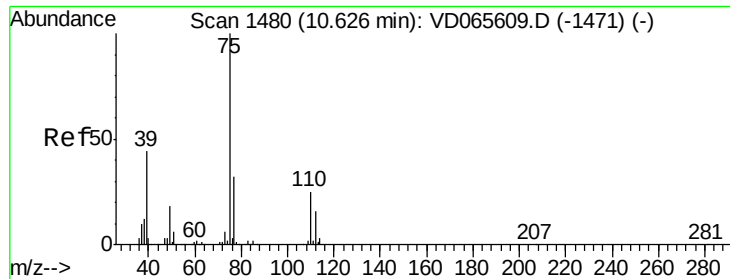
91 171.7 137.9 206.9



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





#53

t-1,3-Dichloropropene

Concen: 20.038 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. 0.00 min

Lab File: VD065616.D

Acq: 13 Apr 2020 14:52

Instrument :

MSVOA_D

ClientSampleId :

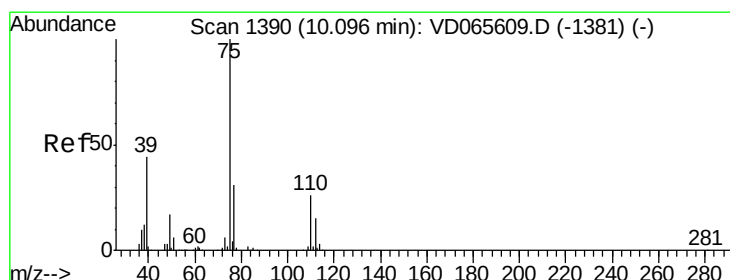
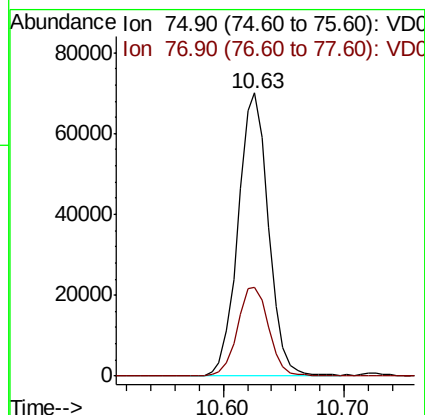
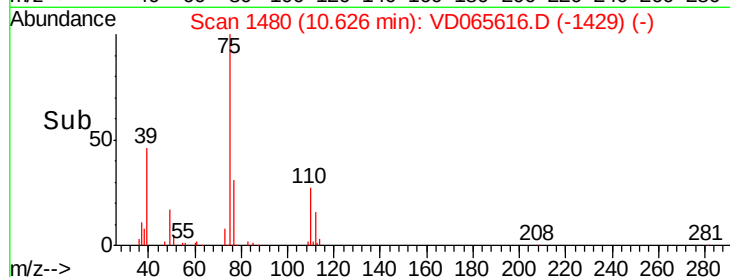
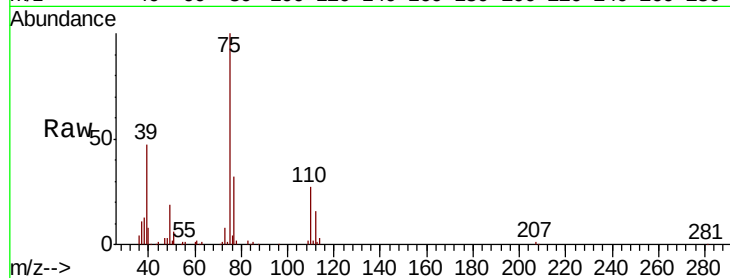
VD0413SBS01

Tot Ion: 75 Resp: 123015

Ion Ratio Lower Upper

75 100

77 31.5 25.4 38.0



#54

cis-1,3-Dichloropropene

Concen: 20.098 ug/l

RT: 10.09 min Scan# 1389

Delta R.T. -0.01 min

Lab File: VD065616.D

Acq: 13 Apr 2020 14:52

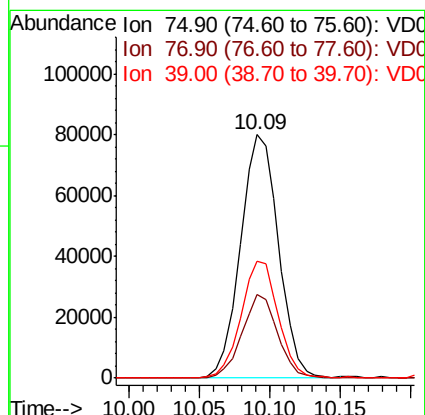
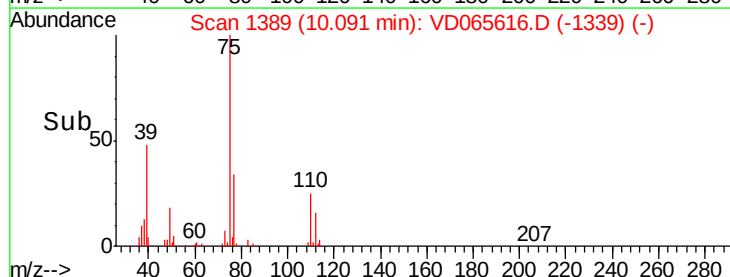
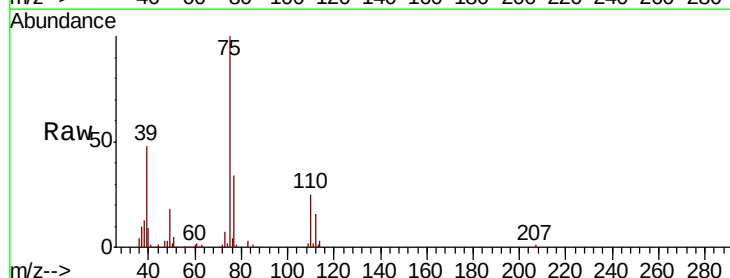
Tgt Ion: 75 Resp: 151069

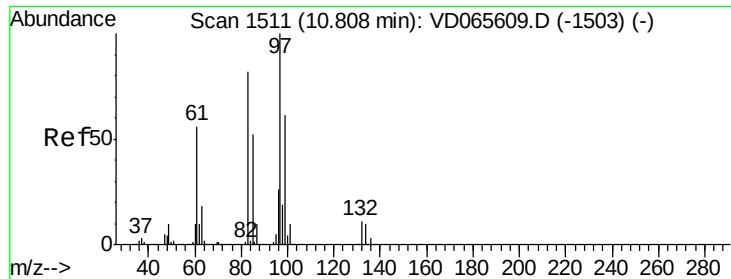
Ion Ratio Lower Upper

75 100

77 34.4 24.5 36.7

39 47.8 35.5 53.3





#55

1,1,2-Trichloroethane

Concen: 19.477 ug/l

RT: 10.80 min Scan# 1510

Delta R.T. -0.01 min

Lab File: VD065616.D

Acq: 13 Apr 2020 14:52

Instrument :

MSVOA_D

ClientSampleId :

VD0413SBS01

Tot Ion: 97 Resp: 72089

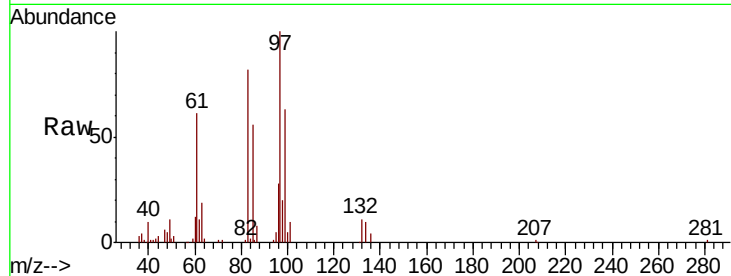
Ion Ratio Lower Upper

97 100

83 81.6 65.7 98.5

85 56.4 41.6 62.4

99 62.6 48.7 73.1

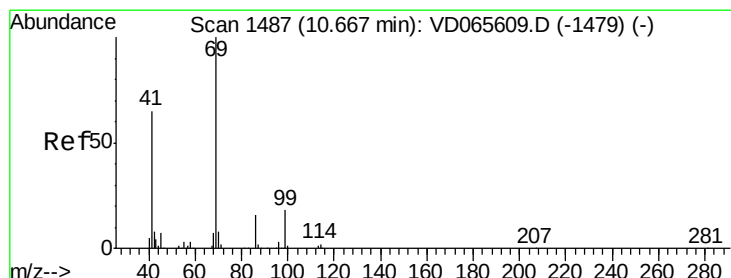
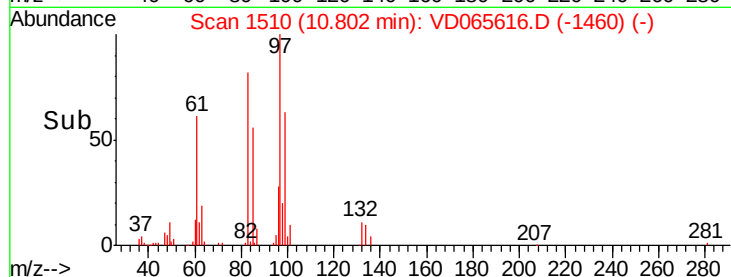
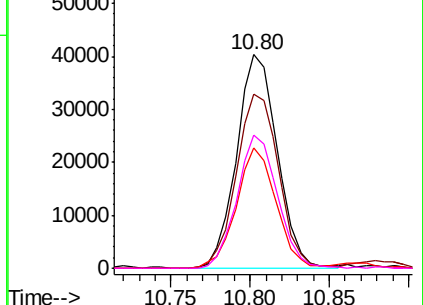


Abundance Ion 96.90 (96.60 to 97.60): VDC

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: 18.652 ug/l

RT: 10.66 min Scan# 1486

Delta R.T. -0.00 min

Lab File: VD065616.D

Acq: 13 Apr 2020 14:52

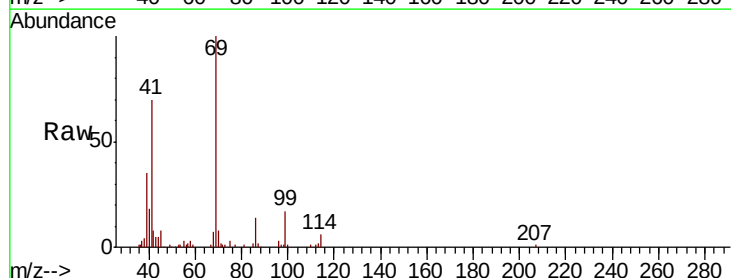
Tgt Ion: 69 Resp: 72507

Ion Ratio Lower Upper

69 100

41 71.3 54.4 81.6

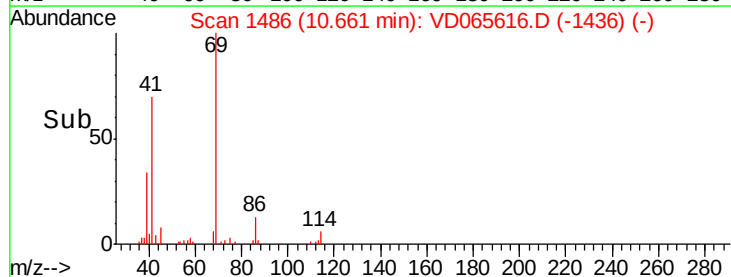
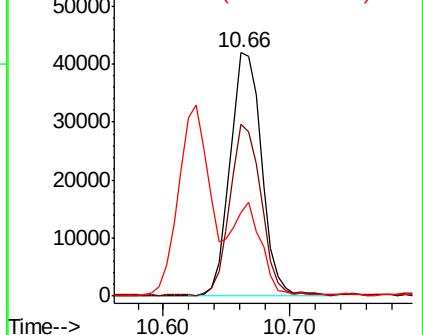
39 32.6 26.5 39.7

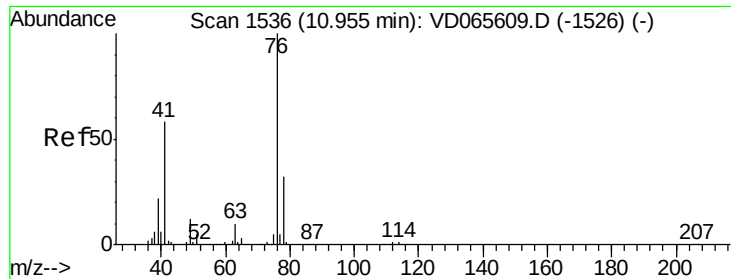


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC





#57

1,3-Dichloropropane

Concen: 19.892 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. -0.01 min

Lab File: VD065616.D

Acq: 13 Apr 2020 14:52

Instrument :

MSVOA_D

ClientSampleId :

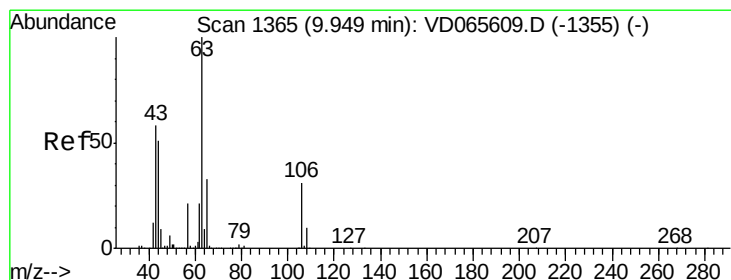
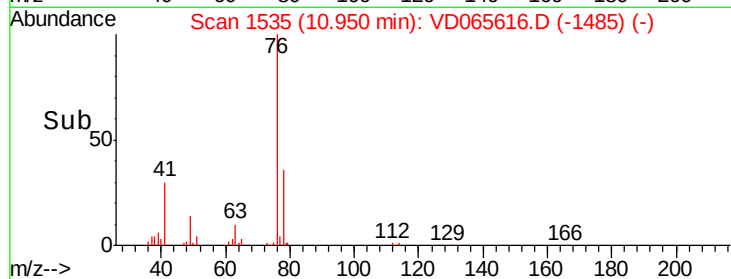
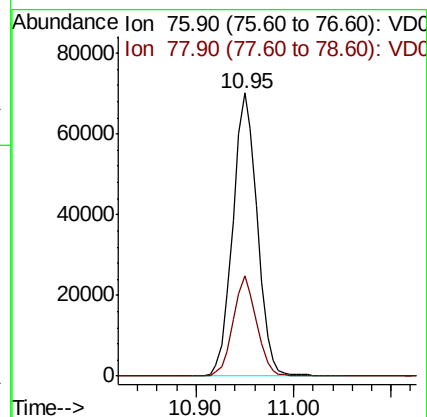
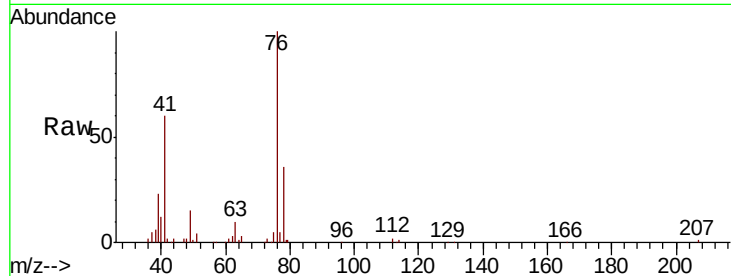
VD0413SBS01

Tot Ion: 76 Resp: 121950

Ion Ratio Lower Upper

76 100

78 33.9 26.0 39.0



#58

2-Chloroethyl Vinyl ether

Concen: 98.225 ug/l

RT: 9.94 min Scan# 1364

Delta R.T. -0.01 min

Lab File: VD065616.D

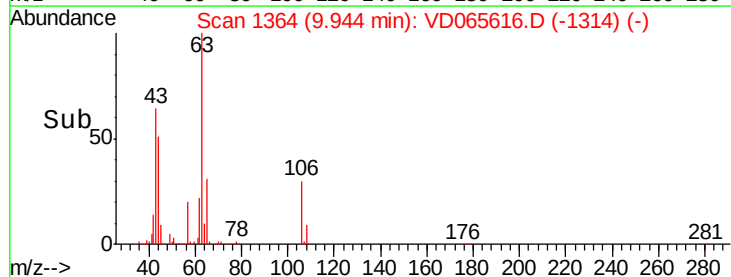
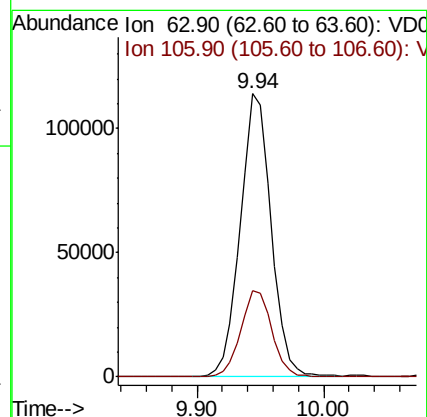
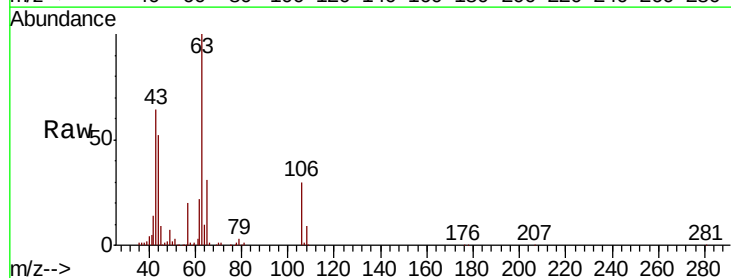
Acq: 13 Apr 2020 14:52

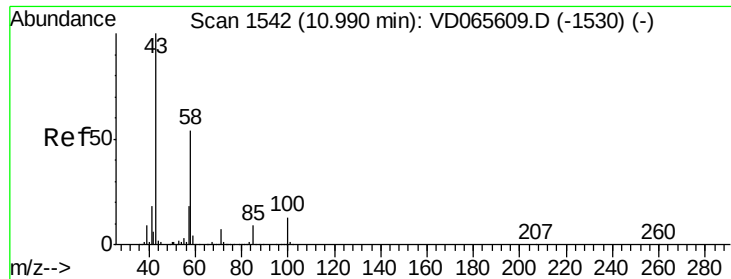
Tgt Ion: 63 Resp: 192559

Ion Ratio Lower Upper

63 100

106 30.7 24.2 36.2

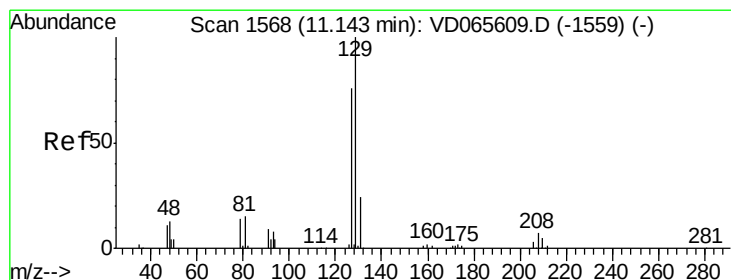
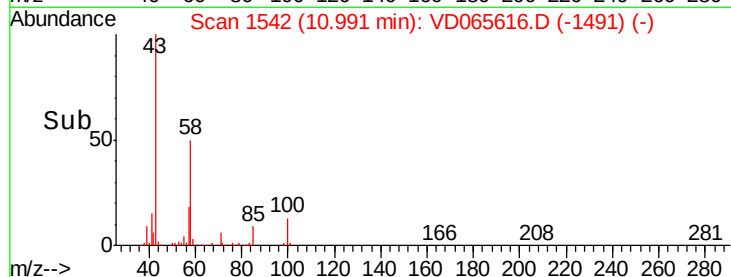
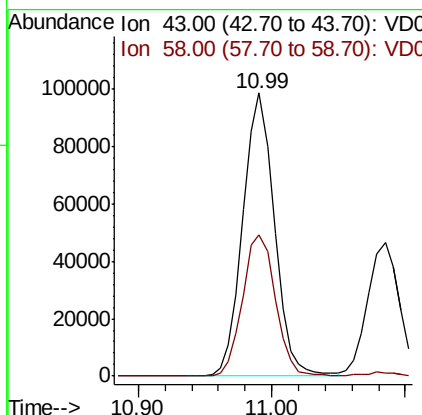
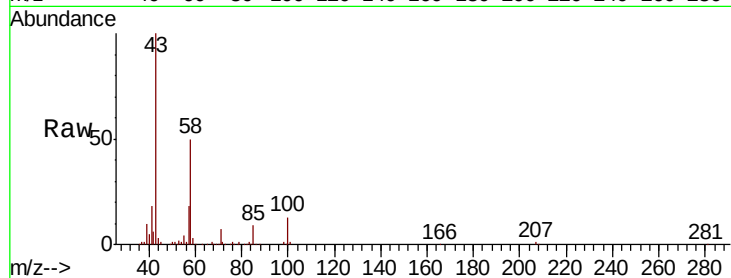




#59
2-Hexanone
Concen: 98.523 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD065616.D
Acq: 13 Apr 2020 14:52

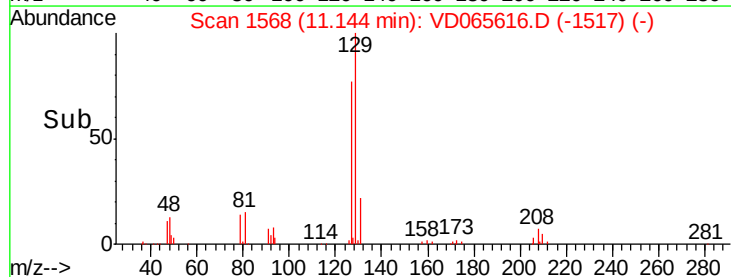
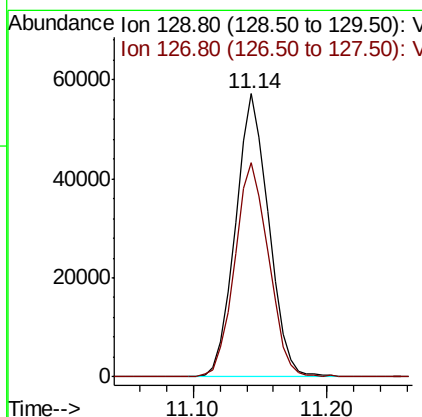
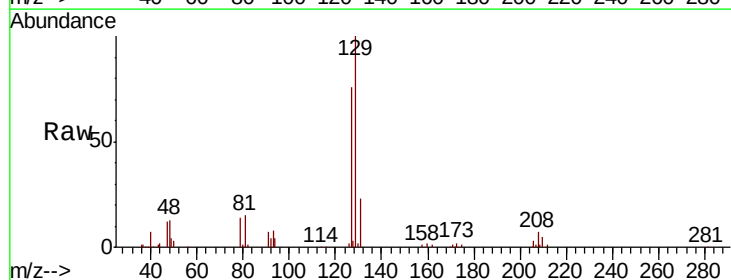
Instrument :
MSVOA_D
ClientSampleId :
VD0413SBS01

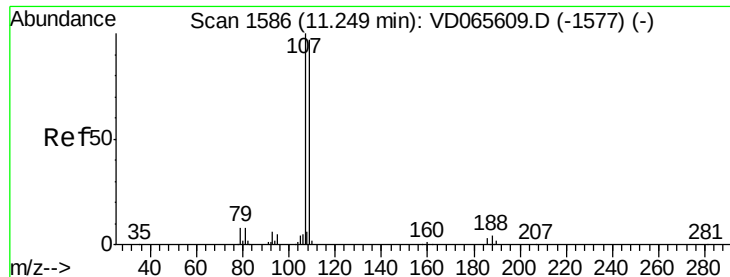
Tot Ion: 43 Resp: 161221
Ion Ratio Lower Upper
43 100
58 52.1 27.1 81.3



#60
Dibromochloromethane
Concen: 19.932 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD065616.D
Acq: 13 Apr 2020 14:52

Tgt Ion: 129 Resp: 98253
Ion Ratio Lower Upper
129 100
127 77.3 38.1 114.3

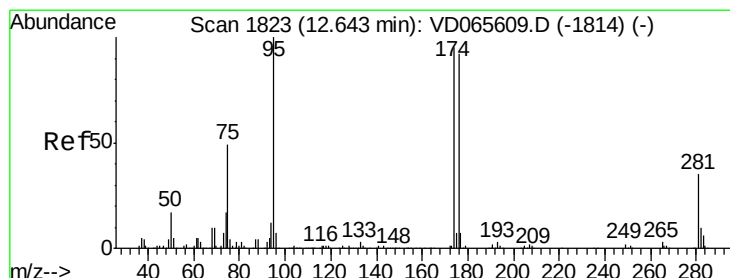
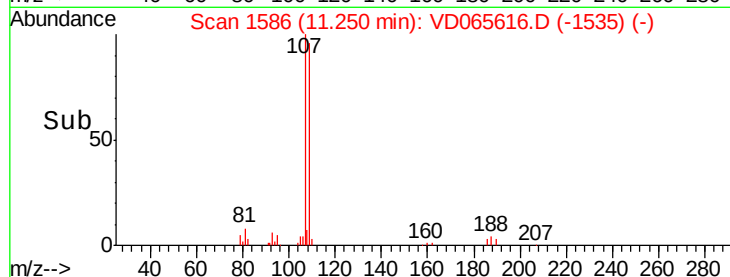
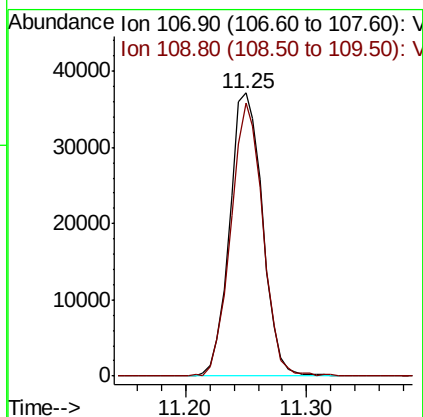
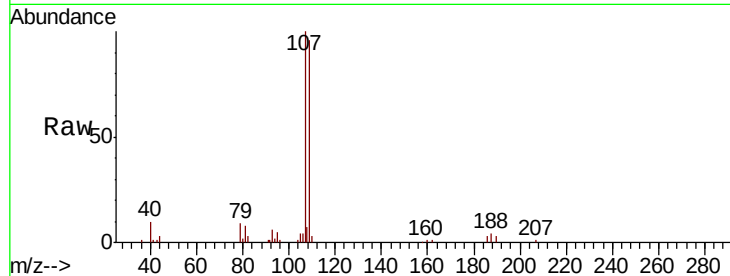




#61
 1,2-Dibromoethane
 Concen: 19.976 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD065616.D
 Acq: 13 Apr 2020 14:52

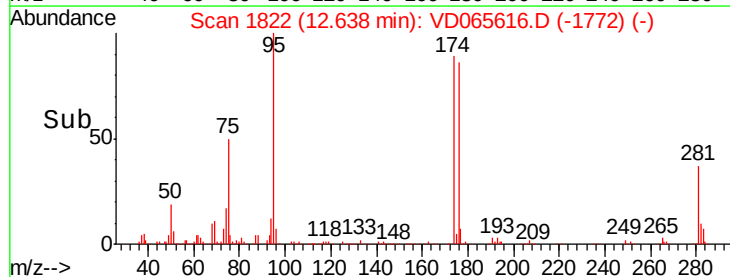
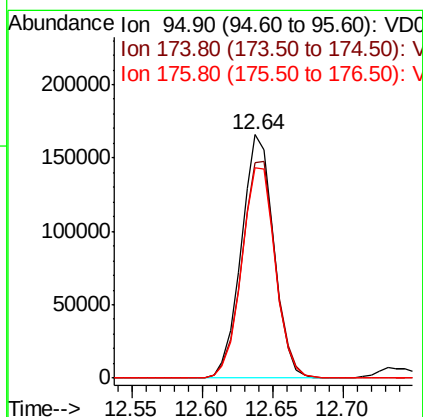
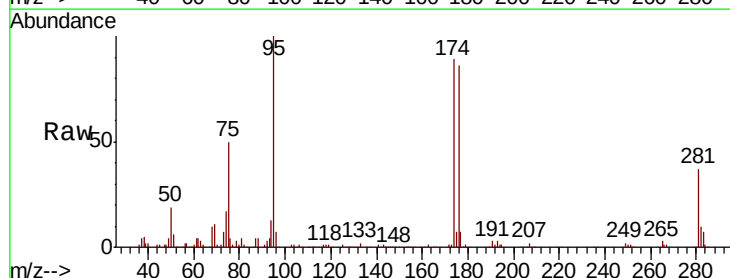
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0413SBS01

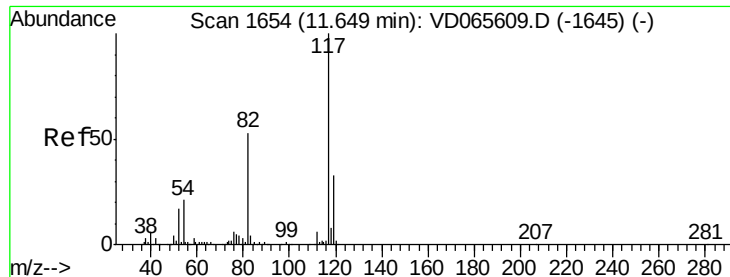
Tot Ion:107 Resp: 70282
 Ion Ratio Lower Upper
 107 100
 109 93.8 74.9 112.3



#62
 4-Bromofluorobenzene
 Concen: 47.567 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. -0.01 min
 Lab File: VD065616.D
 Acq: 13 Apr 2020 14:52

Tgt Ion: 95 Resp: 267154
 Ion Ratio Lower Upper
 95 100
 174 92.3 0.0 182.8
 176 89.2 0.0 176.6

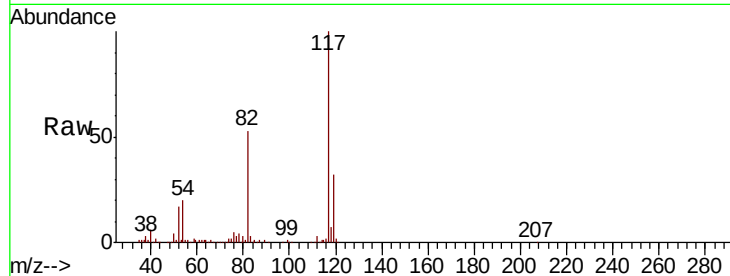




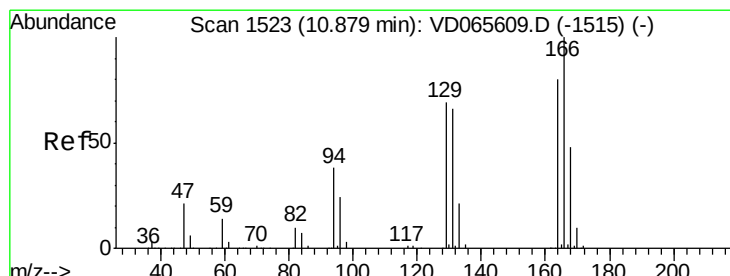
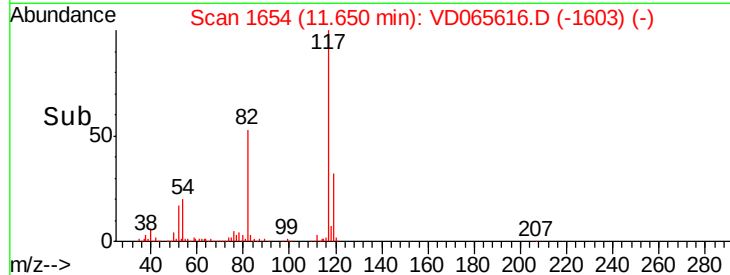
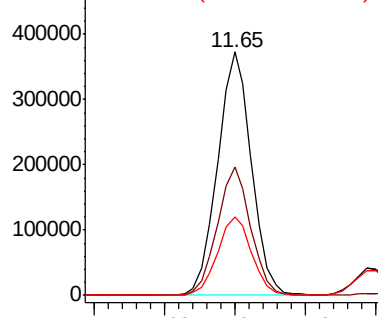
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD065616.D
Acq: 13 Apr 2020 14:52

Instrument :
MSVOA_D
ClientSampleId :
VD0413SBS01

Tot Ion:117 Resp: 626872
Ion Ratio Lower Upper
117 100
82 52.7 42.6 64.0
119 32.3 26.7 40.1

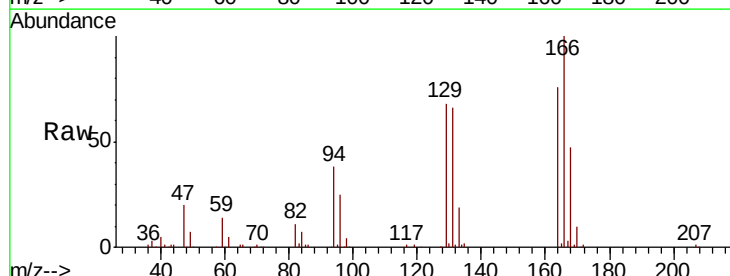


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

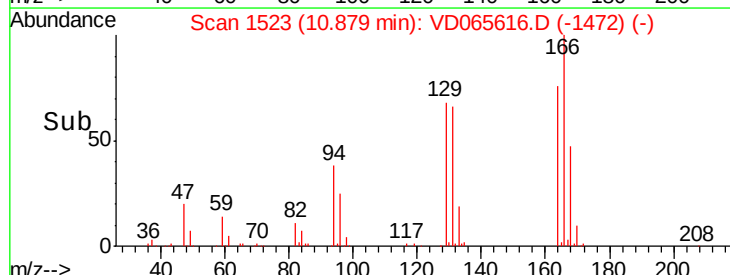
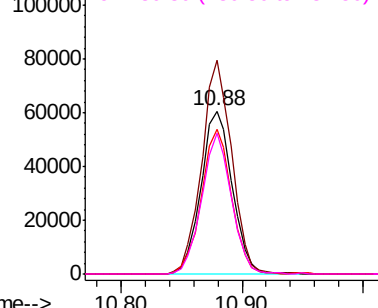


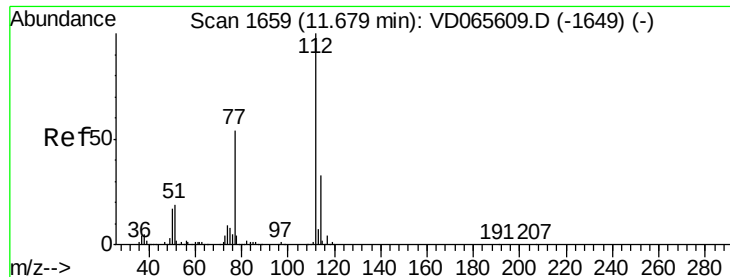
#64
Tetrachloroethene
Concen: 21.894 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD065616.D
Acq: 13 Apr 2020 14:52

Tgt Ion:164 Resp: 109168
Ion Ratio Lower Upper
164 100
166 131.2 100.2 150.2
129 88.6 69.5 104.3
131 86.2 65.8 98.6



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V





#65

Chlorobenzene

Concen: 20.689 ug/l

RT: 11.67 min Scan# 1658

Delta R.T. -0.01 min

Lab File: VD065616.D

Acq: 13 Apr 2020 14:52

Instrument :

MSVOA_D

ClientSampleId :

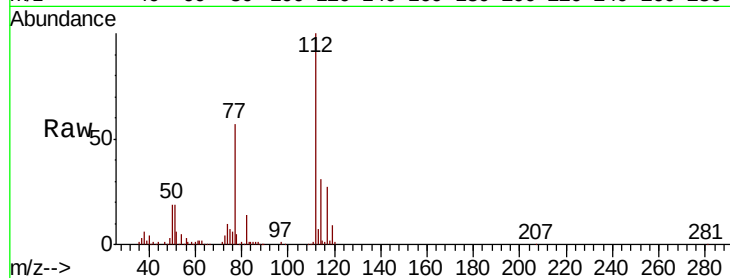
VD0413SBS01

Tot Ion:112 Resp: 280875

Ion Ratio Lower Upper

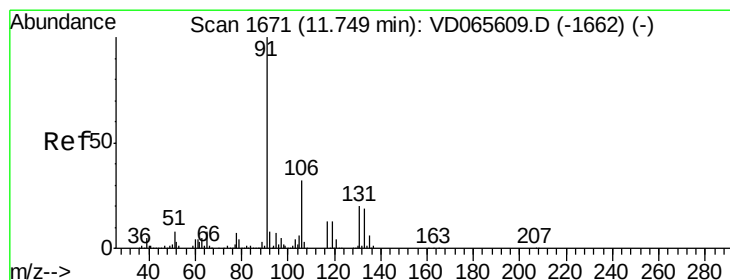
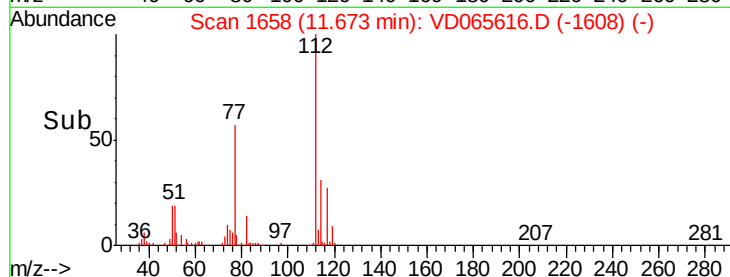
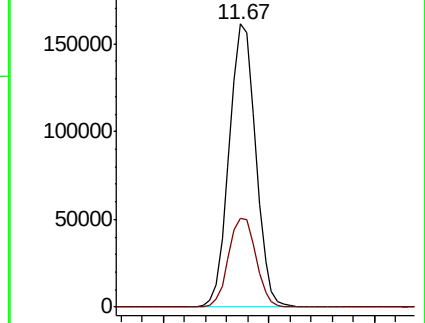
112 100

114 31.2 26.2 39.2



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 20.661 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD065616.D

Acq: 13 Apr 2020 14:52

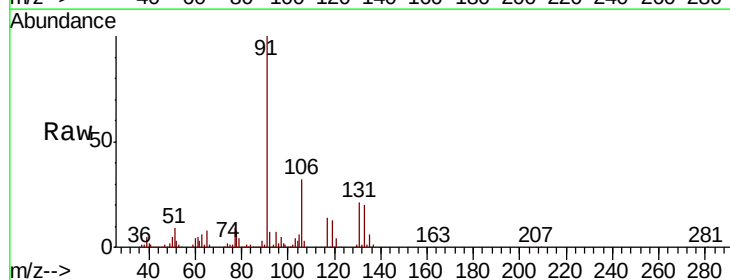
Tgt Ion:131 Resp: 106855

Ion Ratio Lower Upper

131 100

133 93.9 47.3 142.0

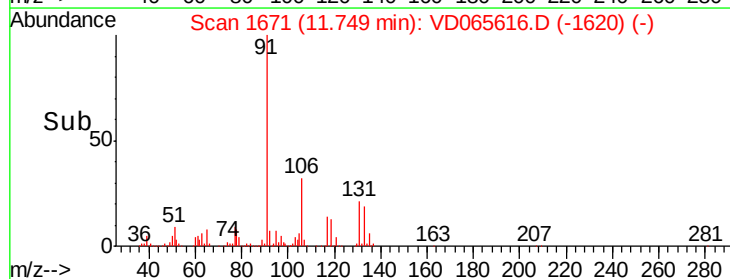
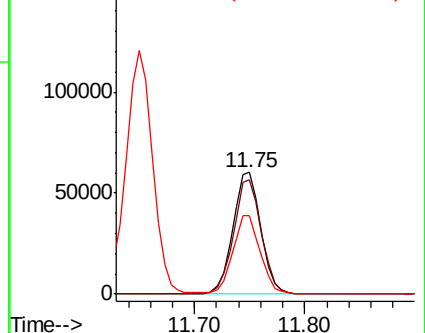
119 63.6 31.9 95.9

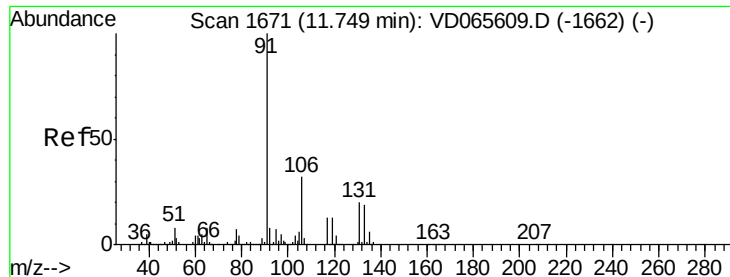


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 21.307 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD065616.D

Acq: 13 Apr 2020 14:52

Instrument :

MSVOA_D

ClientSampleId :

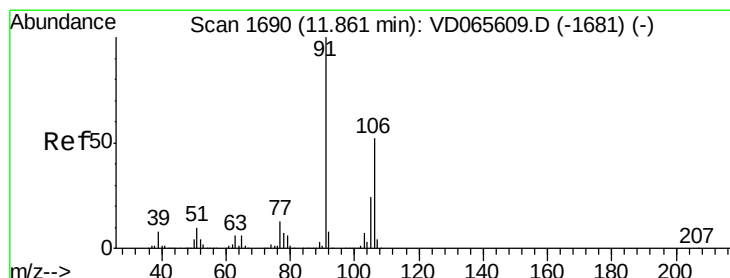
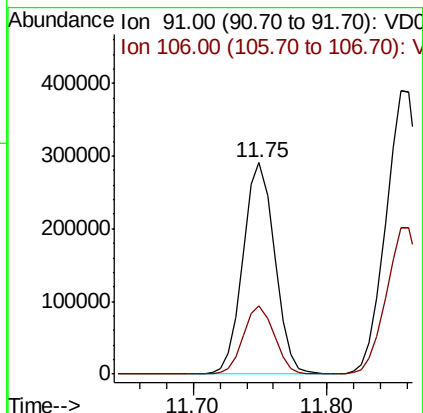
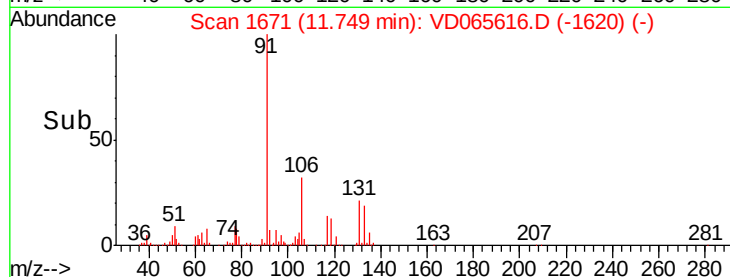
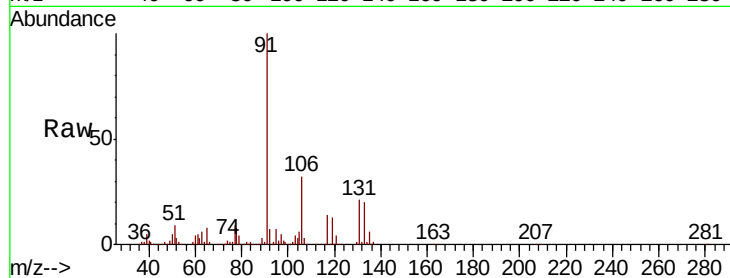
VD0413SBS01

Tot Ion: 91 Resp: 477672

Ion Ratio Lower Upper

91 100

106 32.0 25.6 38.4



#68

m/p-Xylenes

Concen: 43.090 ug/l

RT: 11.86 min Scan# 1690

Delta R.T. 0.00 min

Lab File: VD065616.D

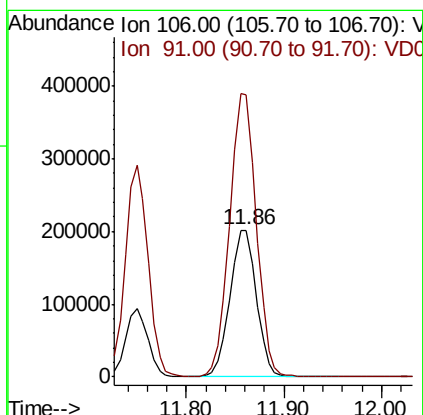
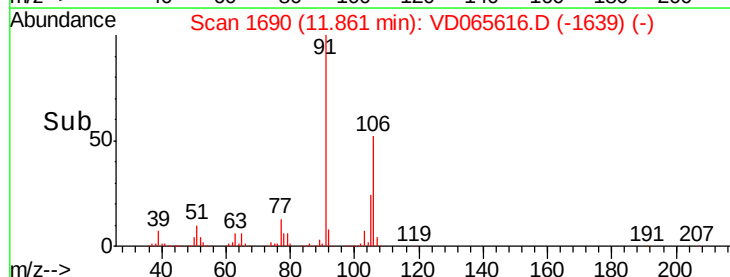
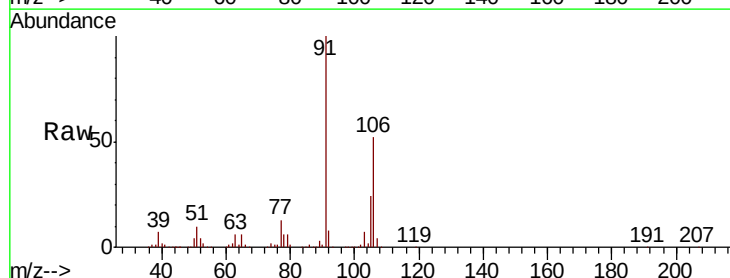
Acq: 13 Apr 2020 14:52

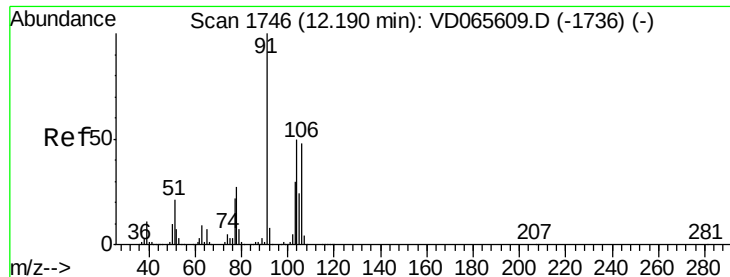
Tgt Ion: 106 Resp: 381111

Ion Ratio Lower Upper

106 100

91 194.1 155.0 232.4

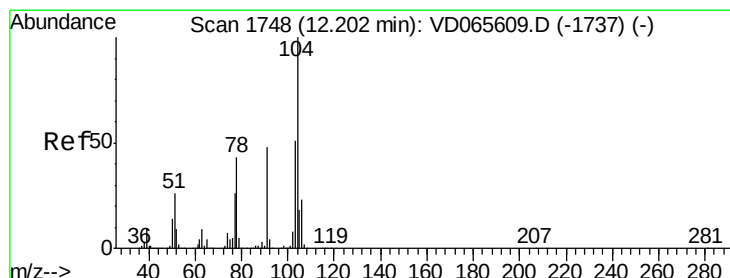
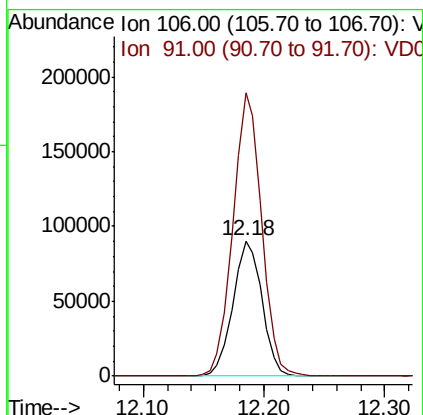
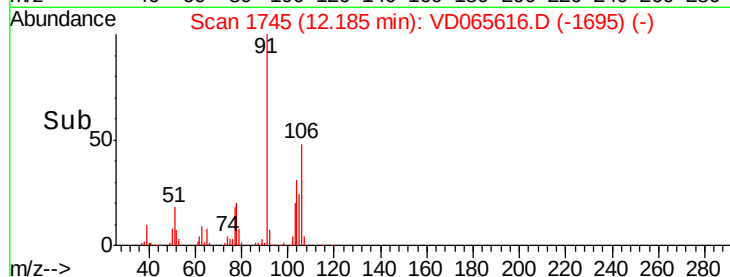
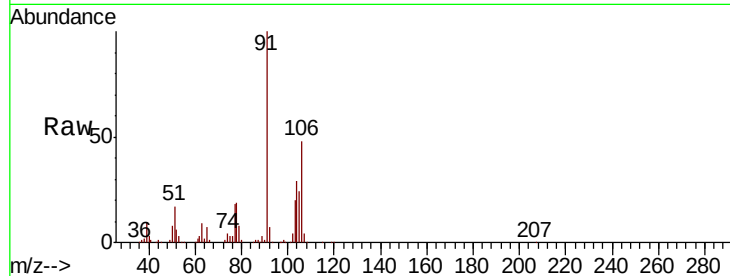




#69
o-Xylene
Concen: 19.890 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. -0.01 min
Lab File: VD065616.D
Acq: 13 Apr 2020 14:52

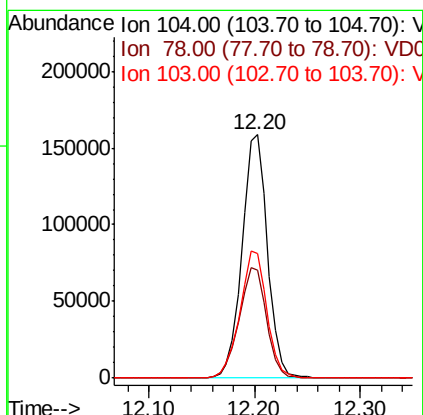
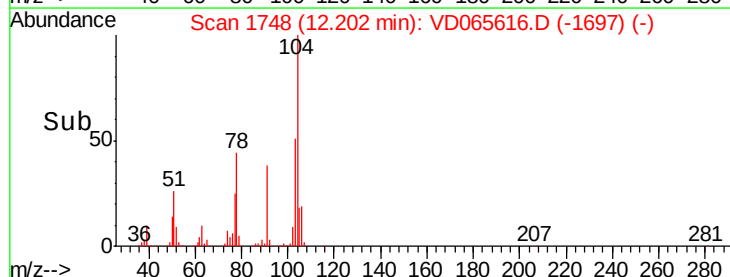
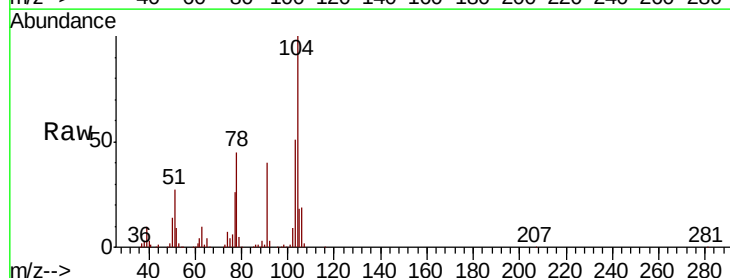
Instrument :
MSVOA_D
ClientSampleId :
VD0413SBS01

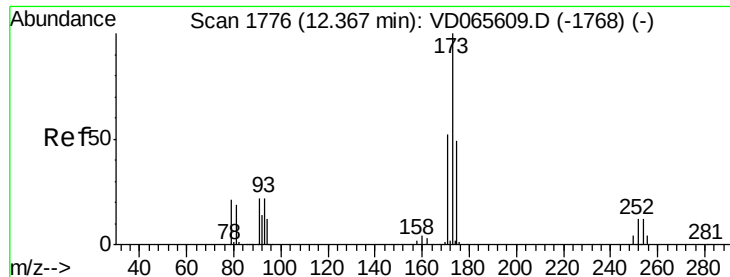
Tot Ion:106 Resp: 151593
Ion Ratio Lower Upper
106 100
91 206.8 103.8 311.3



#70
Styrene
Concen: 19.571 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. 0.00 min
Lab File: VD065616.D
Acq: 13 Apr 2020 14:52

Tgt Ion:104 Resp: 263709
Ion Ratio Lower Upper
104 100
78 49.2 37.1 55.7
103 55.3 43.2 64.8

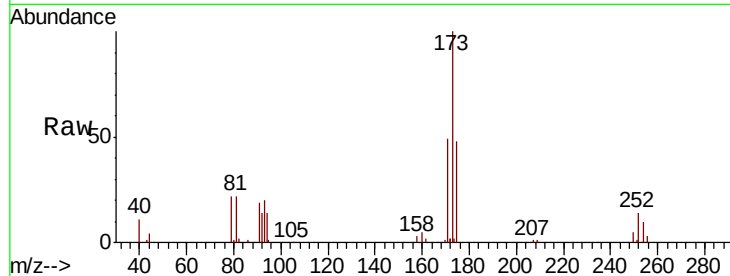




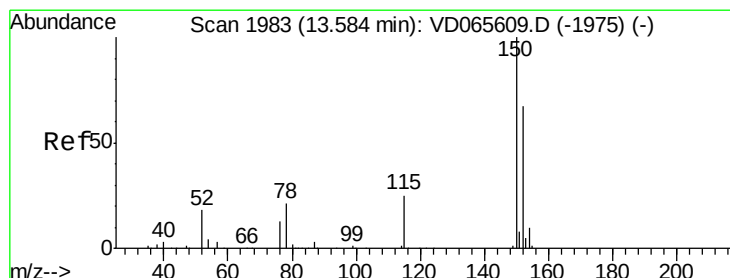
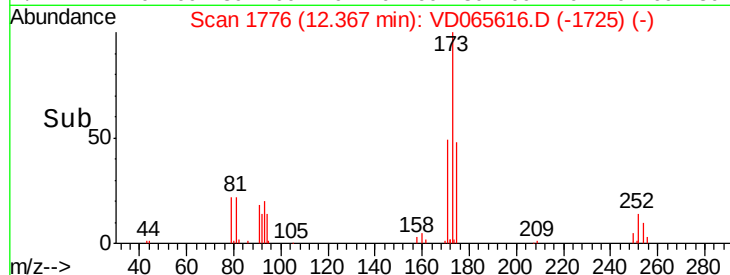
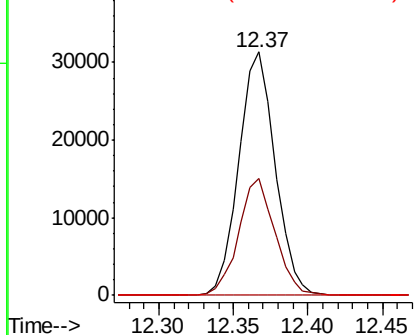
#71
Bromoform
Concen: 18.282 ug/l
RT: 12.37 min Scan# 1776
Delta R.T. 0.00 min
Lab File: VD065616.D
Acq: 13 Apr 2020 14:52

Instrument :
MSVOA_D
ClientSampleId :
VD0413SBS01

Tot Ion:173 Resp: 53028
Ion Ratio Lower Upper
173 100
175 48.0 24.5 73.5
254 0.0 0.0 0.0

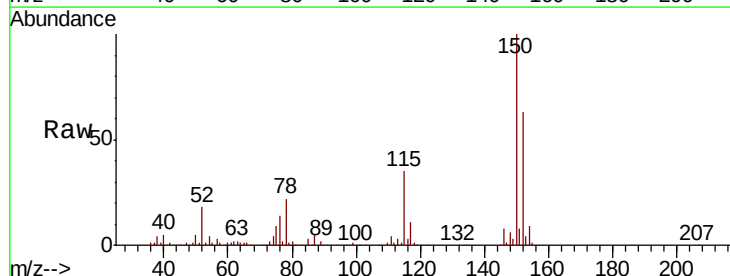


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

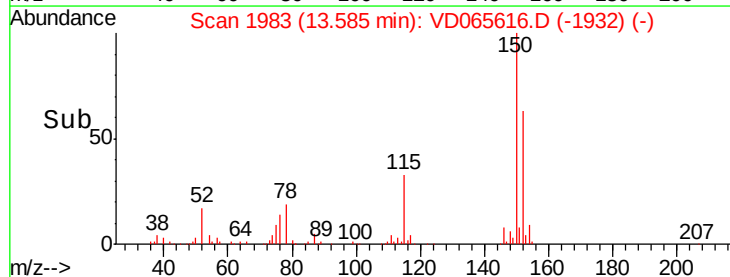
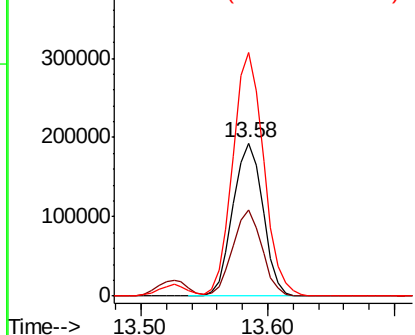


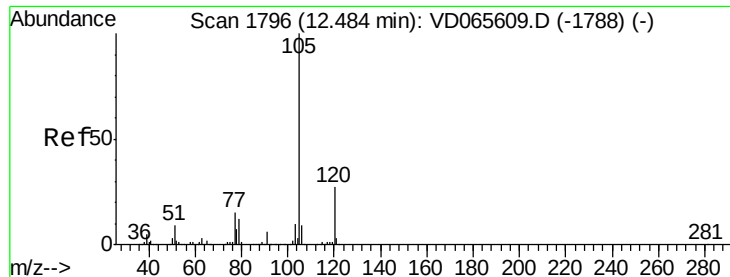
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.00 min
Lab File: VD065616.D
Acq: 13 Apr 2020 14:52

Tgt Ion:152 Resp: 316420
Ion Ratio Lower Upper
152 100
115 54.4 27.1 81.2
150 164.1 0.0 348.2



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





#73

Isopropylbenzene

Concen: 20.502 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD065616.D

Acq: 13 Apr 2020 14:52

Instrument :

MSVOA_D

ClientSampleId :

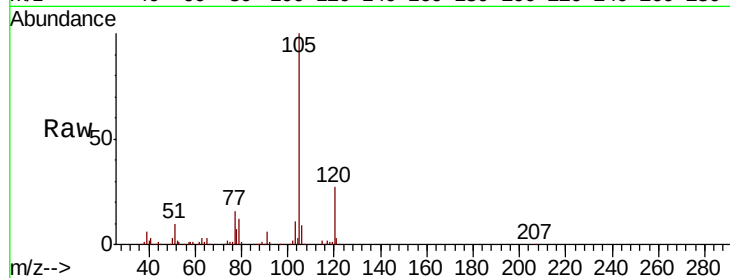
VD0413SBS01

Tot Ion:105 Resp: 413345

Ion Ratio Lower Upper

105 100

120 27.6 13.8 41.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.48

250000

200000

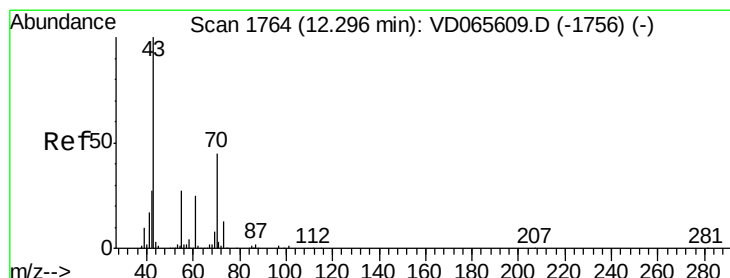
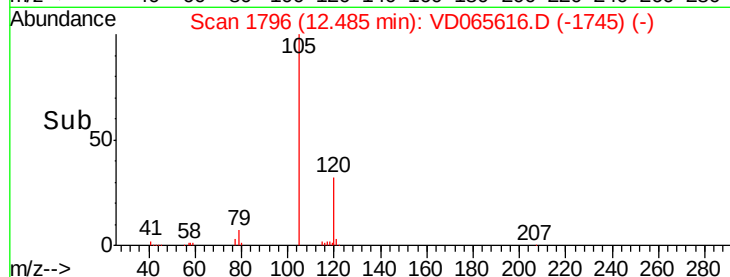
150000

100000

50000

0

Time-->



#74

N-ethyl acetate

Concen: 18.797 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. 0.00 min

Lab File: VD065616.D

Acq: 13 Apr 2020 14:52

Tgt Ion: 43 Resp: 77037

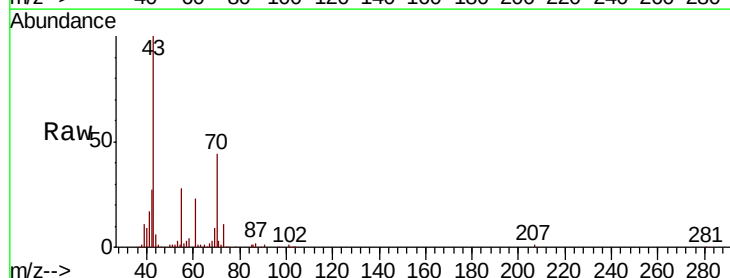
Ion Ratio Lower Upper

43 100

70 43.0 35.2 52.8

55 28.2 22.5 33.7

61 23.2 19.4 29.0



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

12.30

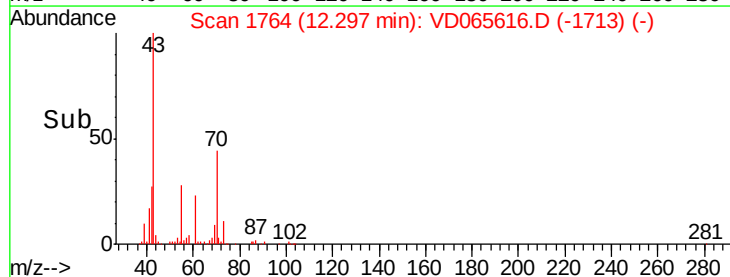
60000

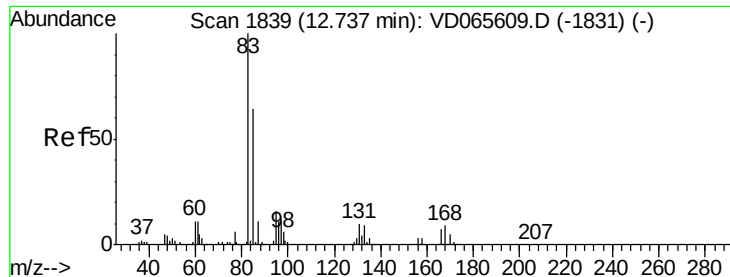
40000

20000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 19.404 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD065616.D

Acq: 13 Apr 2020 14:52

Instrument :

MSVOA_D

ClientSampleId :

VD0413SBS01

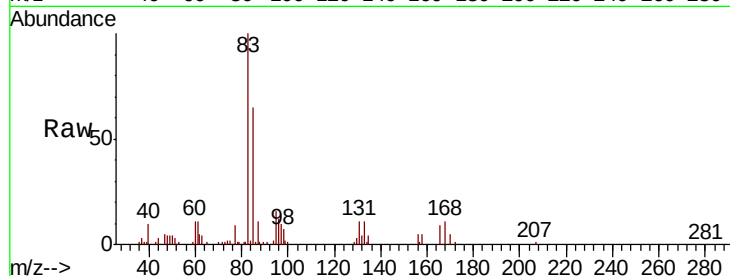
Tot Ion: 83 Resp: 71912

Ion Ratio Lower Upper

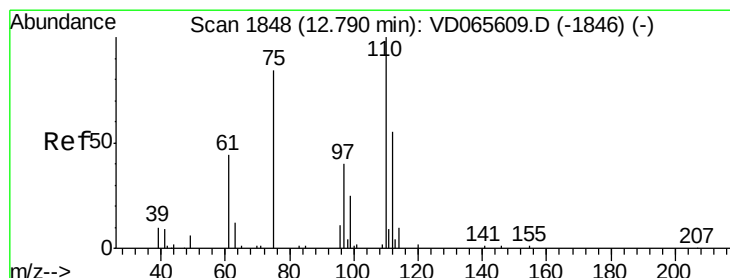
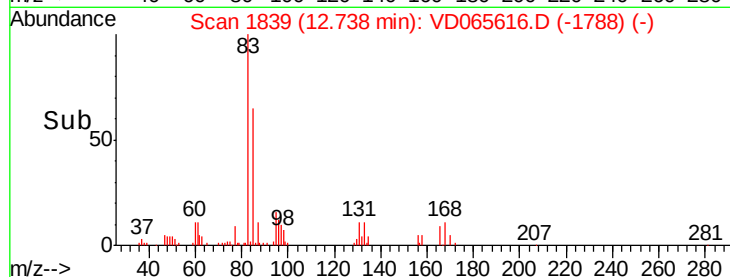
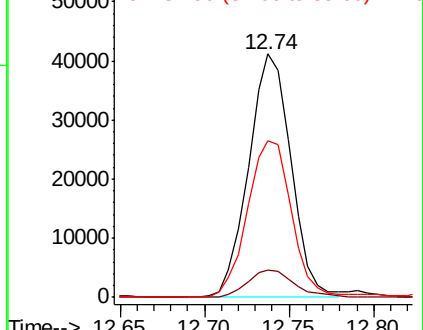
83 100

131 12.3 5.7 17.0

85 67.4 31.8 95.4



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: 37.833 ug/l

RT: 12.79 min Scan# 1848

Delta R.T. 0.00 min

Lab File: VD065616.D

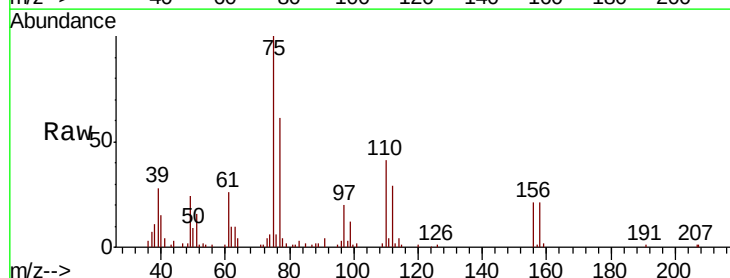
Acq: 13 Apr 2020 14:52

Tgt Ion: 75 Resp: 96011

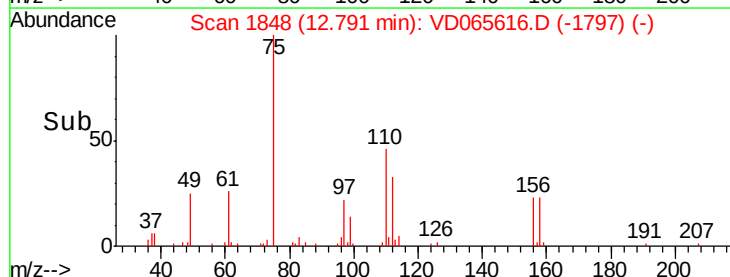
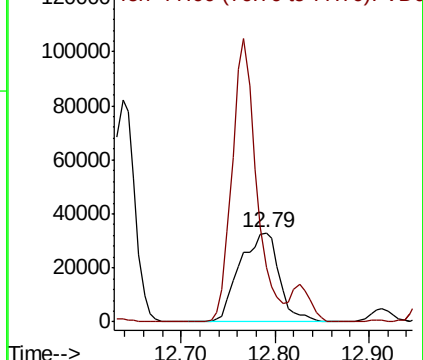
Ion Ratio Lower Upper

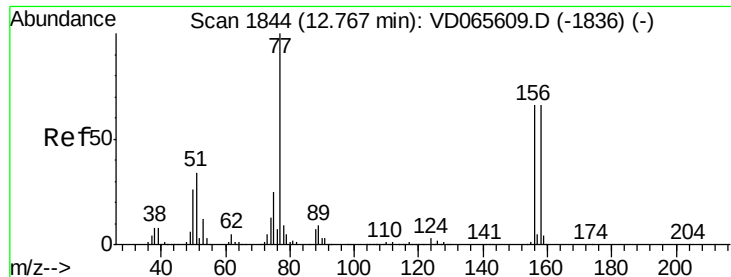
75 100

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: 20.738 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD065616.D

Acq: 13 Apr 2020 14:52

Instrument :

MSVOA_D

ClientSampleId :

VD0413SBS01

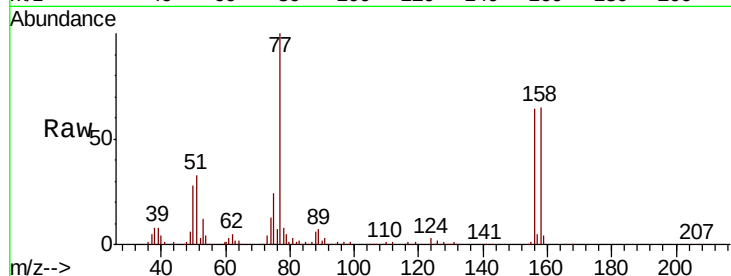
Tot Ion:156 Resp: 114626

Ion Ratio Lower Upper

156 100

77 165.4 80.3 240.9

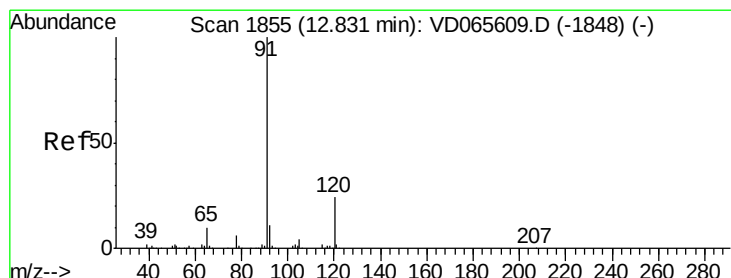
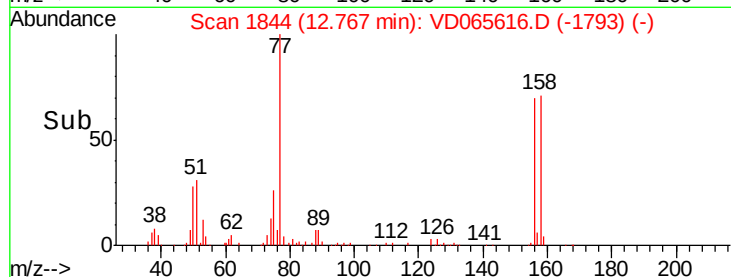
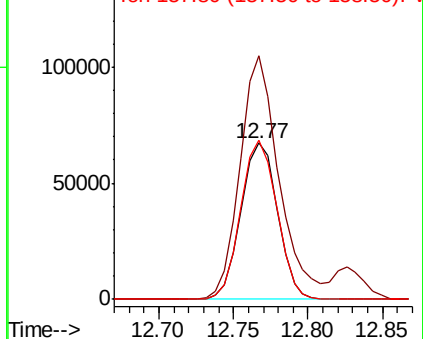
158 100.8 48.5 145.5



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): V

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 22.206 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. -0.01 min

Lab File: VD065616.D

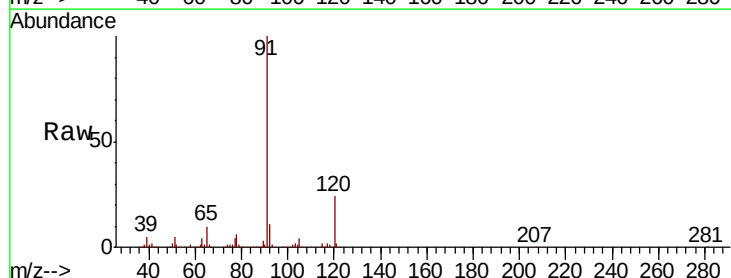
Acq: 13 Apr 2020 14:52

Tgt Ion: 91 Resp: 540320

Ion Ratio Lower Upper

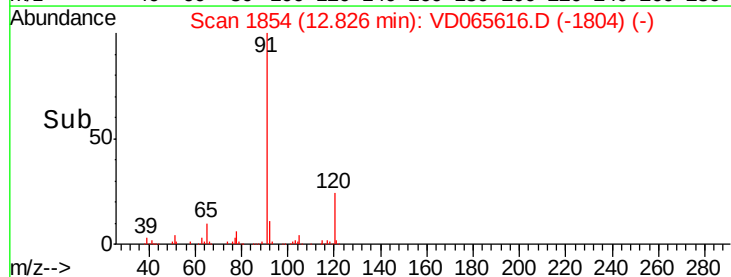
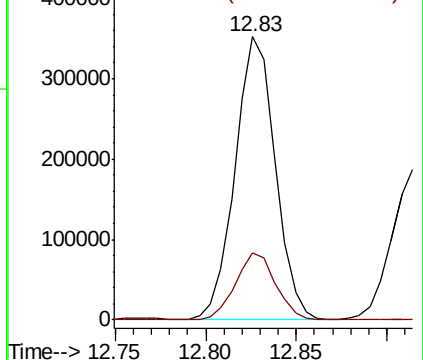
91 100

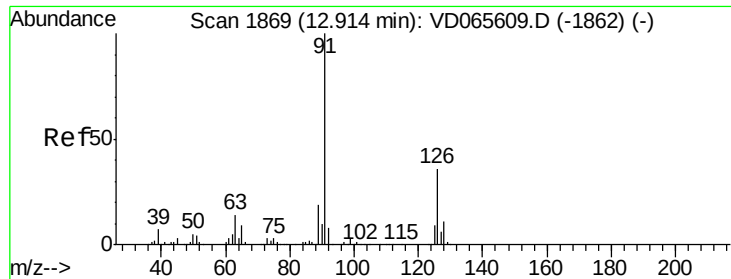
120 23.8 11.9 35.5



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 22.029 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.00 min

Lab File: VD065616.D

Acq: 13 Apr 2020 14:52

Instrument :

MSVOA_D

ClientSampleId :

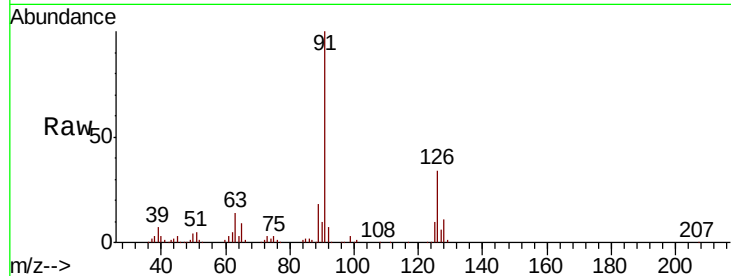
VD0413SBS01

Tot Ion: 91 Resp: 307193

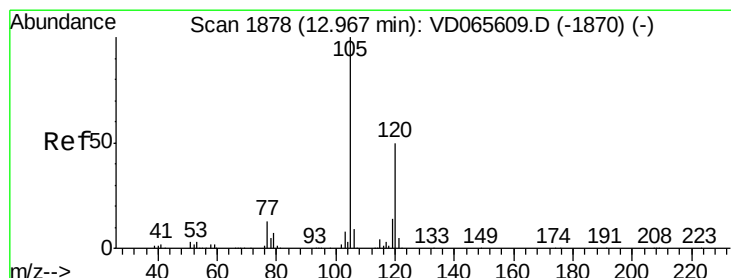
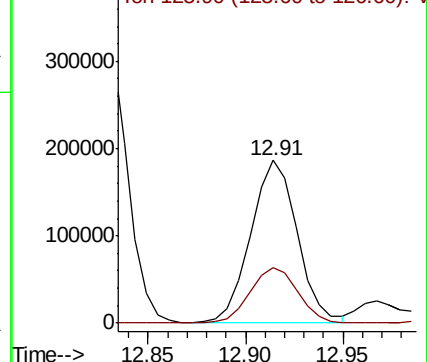
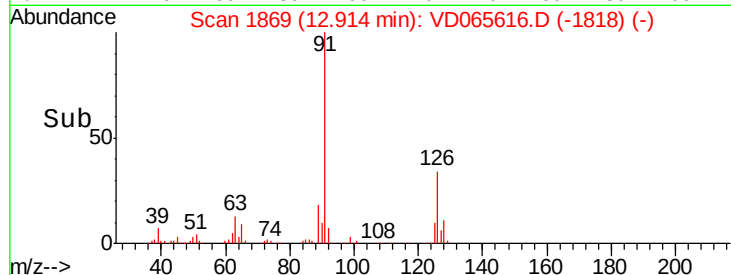
Ion Ratio Lower Upper

91 100

126 35.1 18.0 54.0



Abundance Ion 91.00 (90.70 to 91.70): VD065616.D (-1818) (-)



#80

1,3,5-Trimethylbenzene

Concen: 22.191 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.00 min

Lab File: VD065616.D

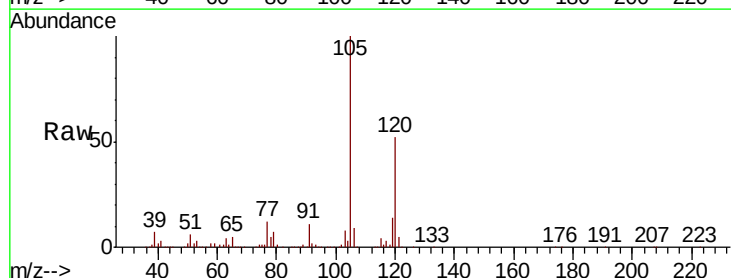
Acq: 13 Apr 2020 14:52

Tgt Ion:105 Resp: 377083

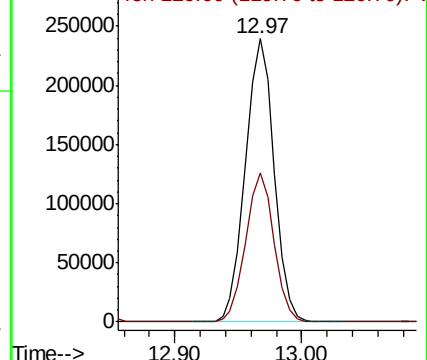
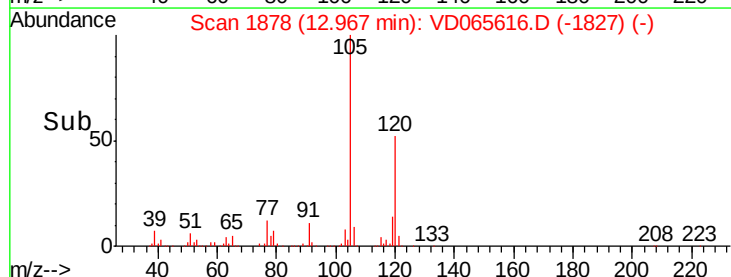
Ion Ratio Lower Upper

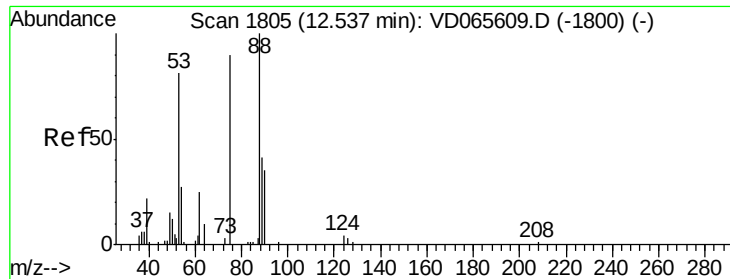
105 100

120 51.6 25.7 77.0



Abundance Ion 105.00 (104.70 to 105.70): VD065616.D (-1827) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 18.985 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. -0.01 min

Lab File: VD065616.D

Acq: 13 Apr 2020 14:52

Instrument :

MSVOA_D

ClientSampleId :

VD0413SBS01

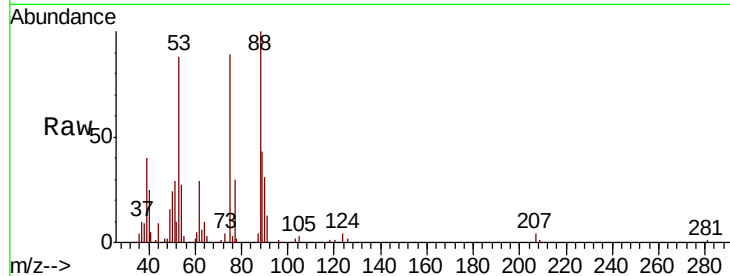
Tot Ion: 75 Resp: 20799

Ion Ratio Lower Upper

75 100

53 98.6 73.8 110.8

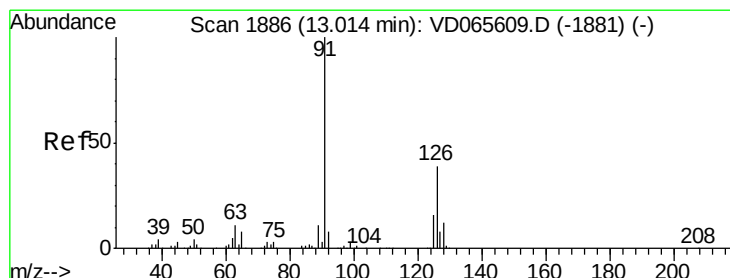
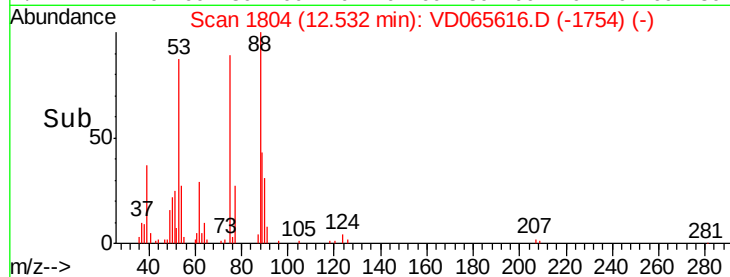
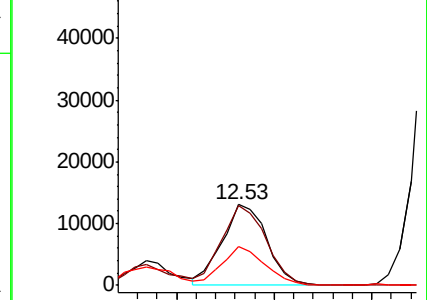
89 45.8 36.1 54.1



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 88.90 (88.60 to 89.60): VDC



#82

4-Chlorotoluene

Concen: 21.706 ug/l

RT: 13.01 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VD065616.D

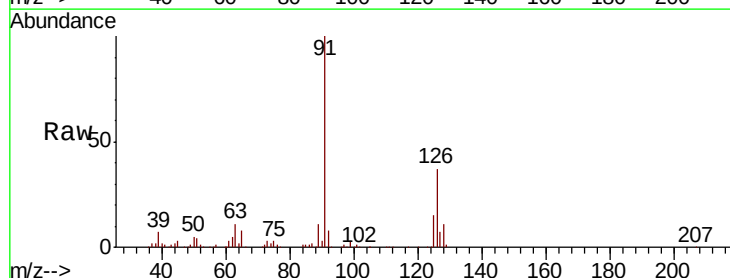
Acq: 13 Apr 2020 14:52

Tgt Ion: 91 Resp: 325798

Ion Ratio Lower Upper

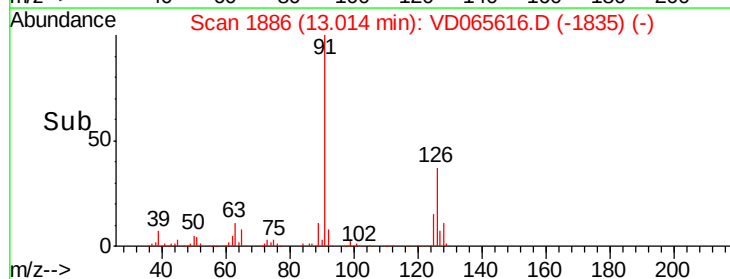
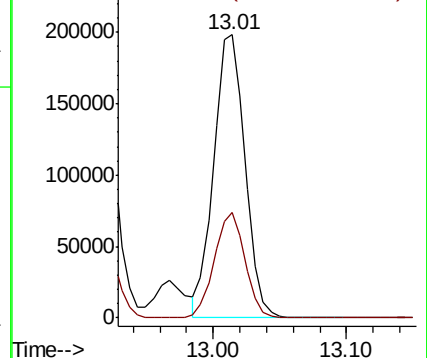
91 100

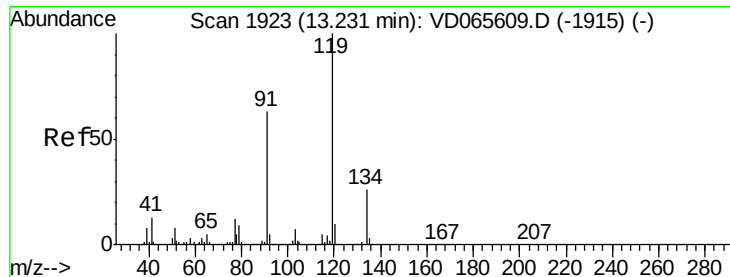
126 36.5 18.1 54.4



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.90 (125.60 to 126.60): V

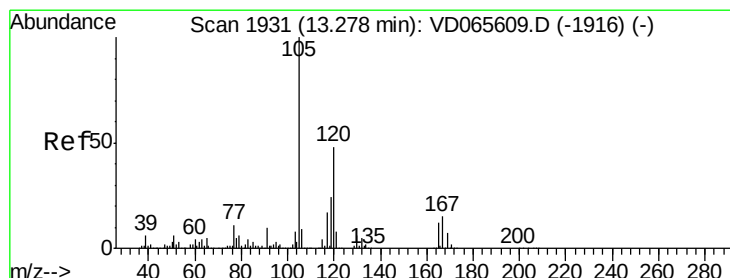
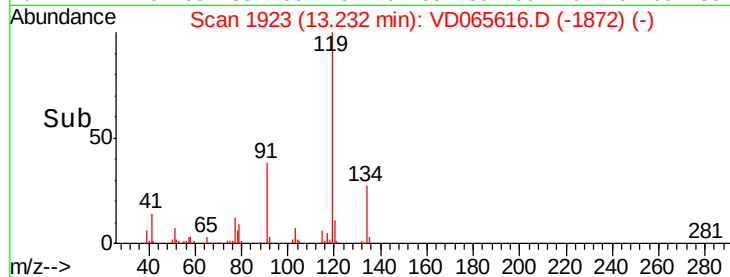
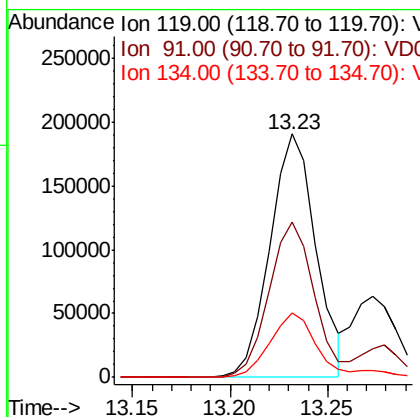
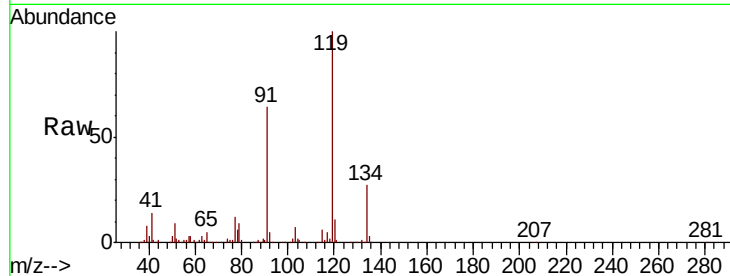




#83
 tert-Butylbenzene
 Concen: 21.874 ug/l
 RT: 13.23 min Scan# 1923
 Delta R.T. 0.00 min
 Lab File: VD065616.D
 Acq: 13 Apr 2020 14:52

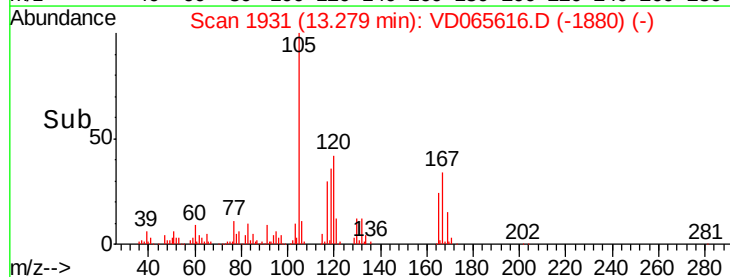
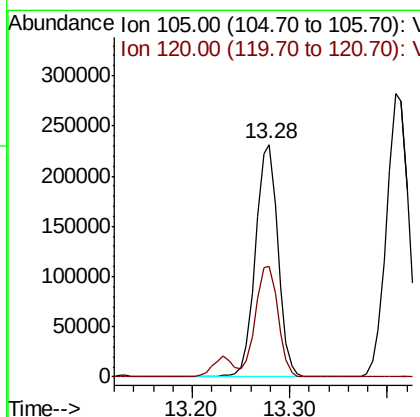
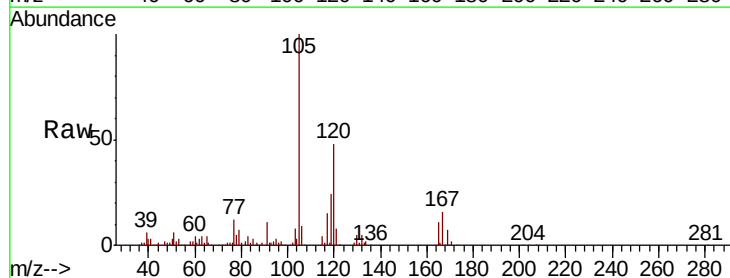
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0413SBS01

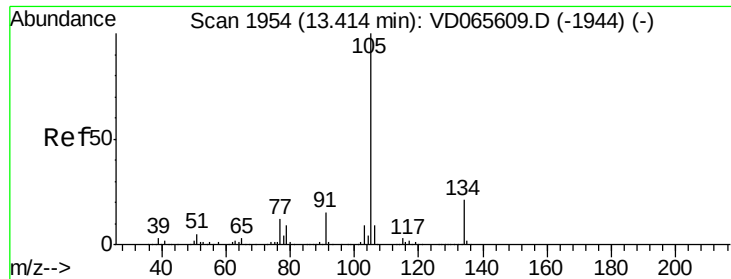
Tot Ion:119 Resp: 310802
 Ion Ratio Lower Upper
 119 100
 91 63.3 30.4 91.2
 134 28.2 13.7 41.0



#84
 1,2,4-Trimethylbenzene
 Concen: 22.086 ug/l
 RT: 13.28 min Scan# 1931
 Delta R.T. 0.00 min
 Lab File: VD065616.D
 Acq: 13 Apr 2020 14:52

Tgt Ion:105 Resp: 372957
 Ion Ratio Lower Upper
 105 100
 120 47.7 23.5 70.6





#85

sec-Butylbenzene

Concen: 22.229 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. -0.01 min

Lab File: VD065616.D

Acq: 13 Apr 2020 14:52

Instrument :

MSVOA_D

ClientSampleId :

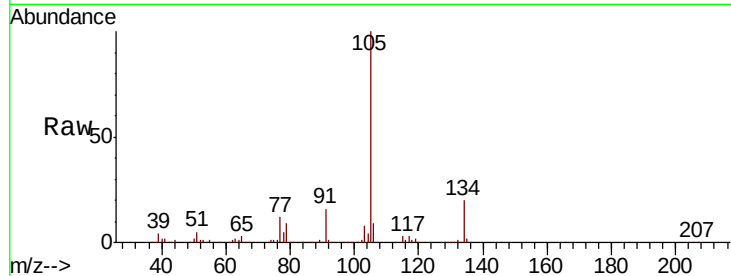
VD0413SBS01

Tot Ion:105 Resp: 449435

Ion Ratio Lower Upper

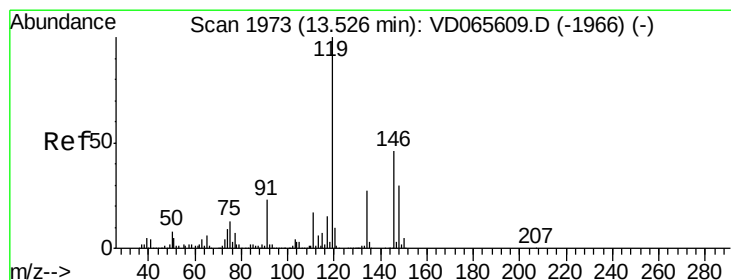
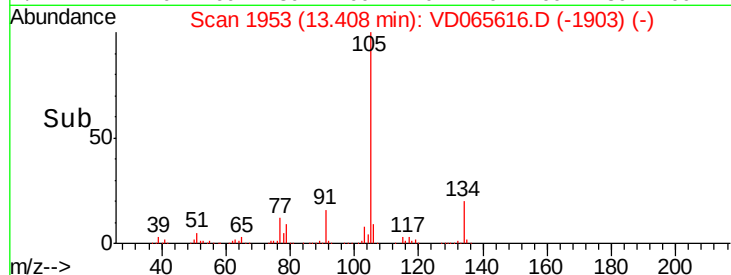
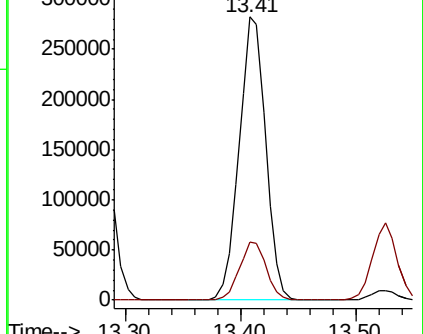
105 100

134 20.6 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: 22.389 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VD065616.D

Acq: 13 Apr 2020 14:52

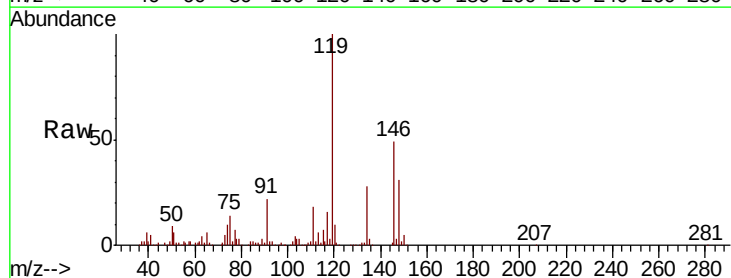
Tgt Ion:119 Resp: 417736

Ion Ratio Lower Upper

119 100

134 27.3 13.5 40.4

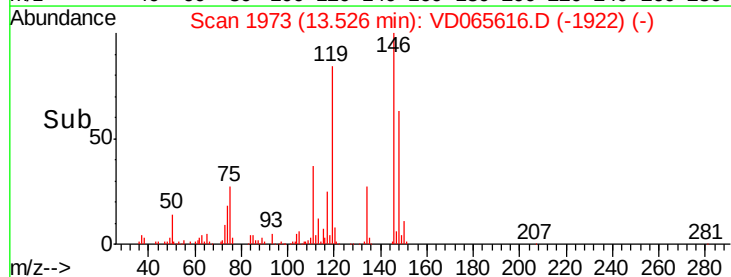
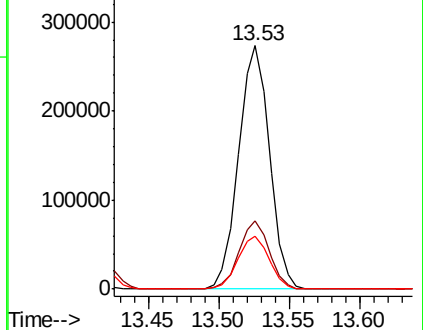
91 21.8 11.1 33.1

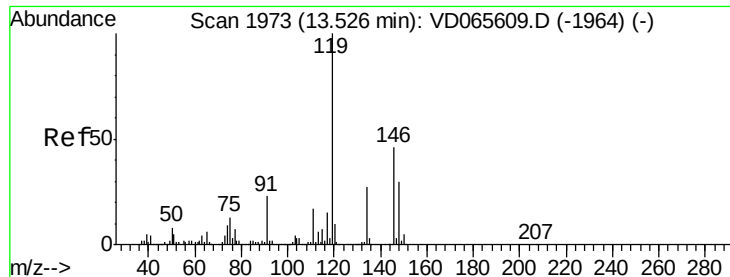


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

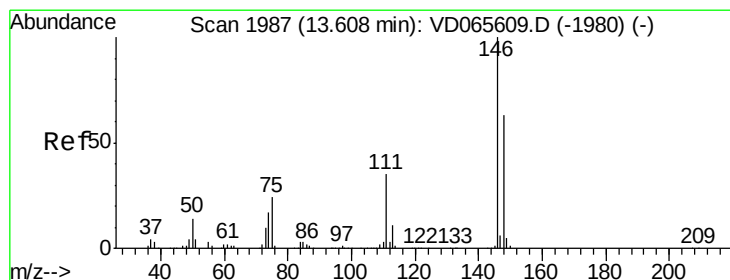
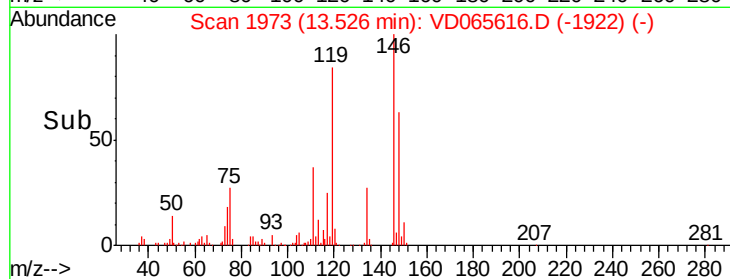
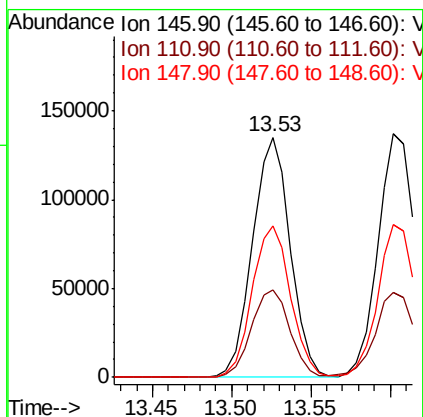
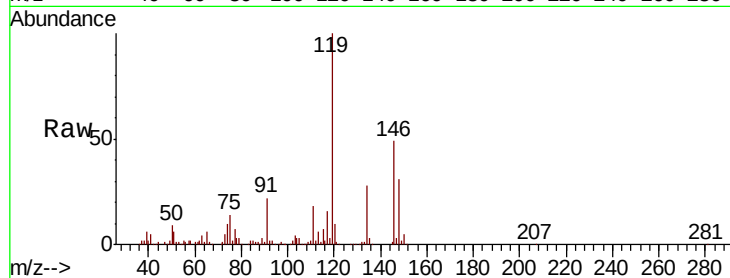




#87
 1,3-Dichlorobenzene
 Concen: 21.014 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.00 min
 Lab File: VD065616.D
 Acq: 13 Apr 2020 14:52

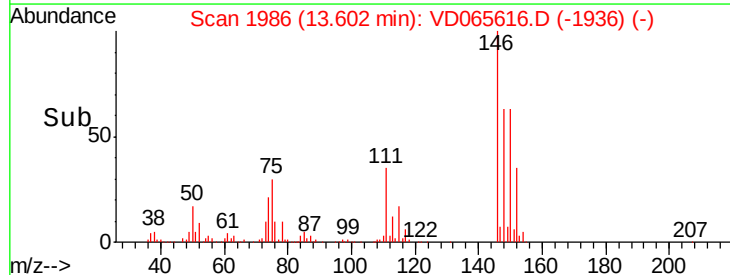
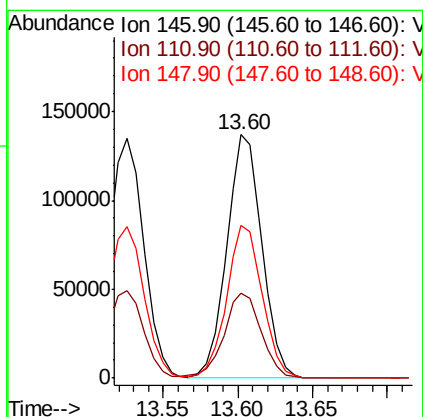
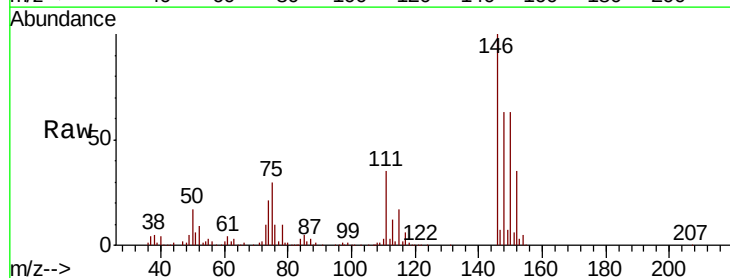
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0413SBS01

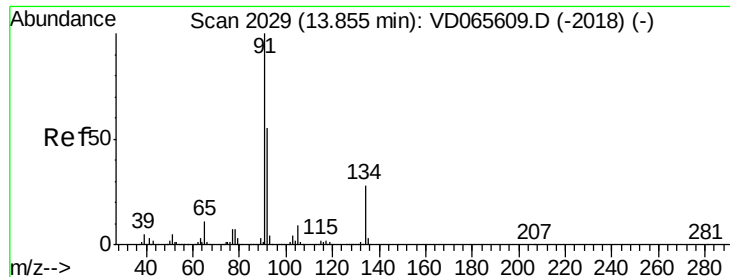
Tot Ion	Ratio	Lower	Upper
146	100		
111	37.3	18.6	55.8
148	64.1	32.1	96.5



#88
 1,4-Dichlorobenzene
 Concen: 21.150 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. -0.01 min
 Lab File: VD065616.D
 Acq: 13 Apr 2020 14:52

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.9	18.0	54.0
148	63.6	31.8	95.4





#89

n-Butylbenzene

Concen: 21.818 ug/l

RT: 13.86 min Scan# 2029

Delta R.T. 0.00 min

Lab File: VD065616.D

Acq: 13 Apr 2020 14:52

Instrument :

MSVOA_D

ClientSampleId :

VD0413SBS01

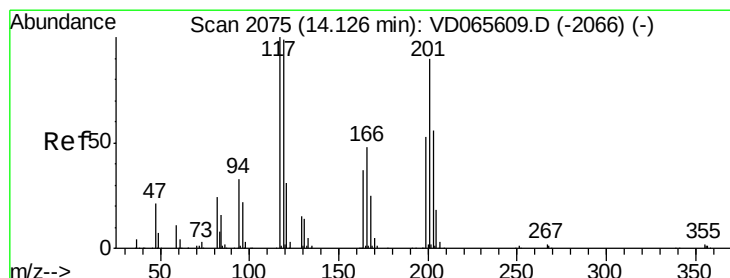
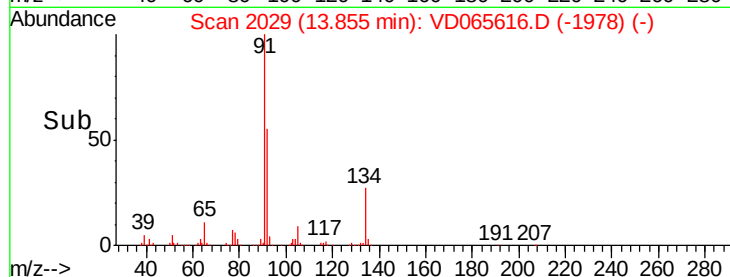
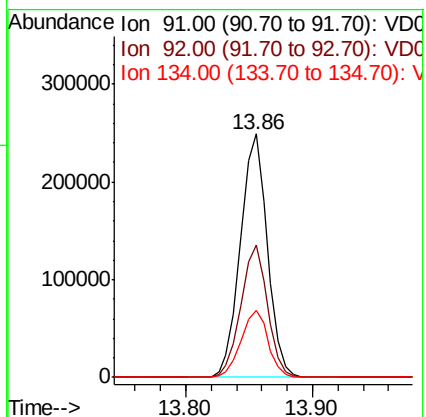
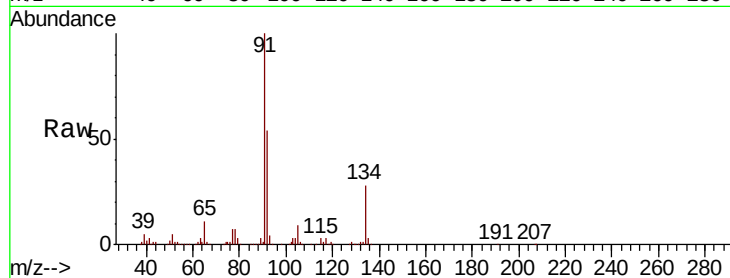
Tot Ion: 91 Resp: 367373

Ion Ratio Lower Upper

91 100

92 53.8 27.2 81.6

134 27.6 13.9 41.7



#90

Hexachloroethane

Concen: 19.580 ug/l

RT: 14.12 min Scan# 2074

Delta R.T. -0.01 min

Lab File: VD065616.D

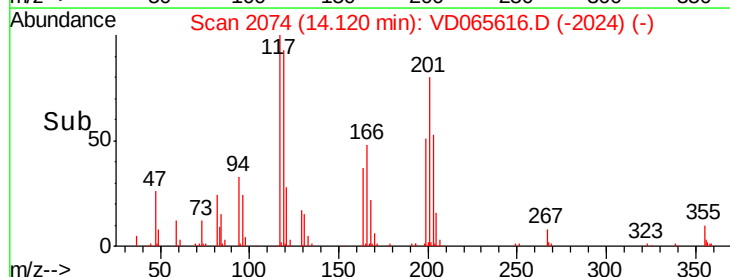
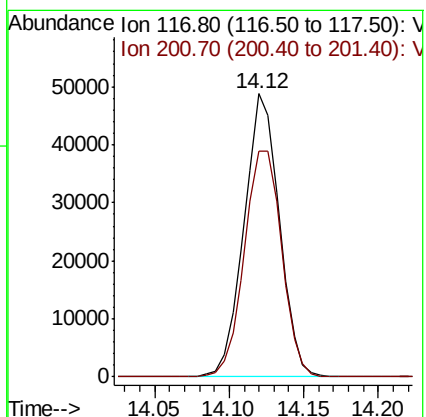
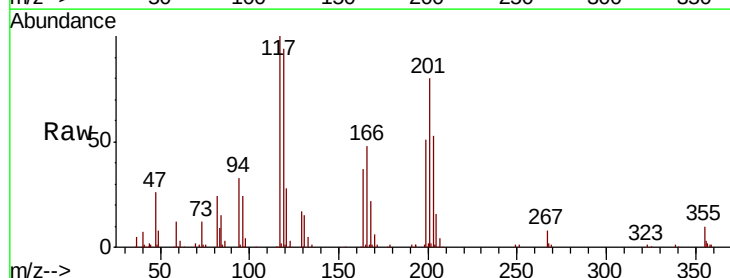
Acq: 13 Apr 2020 14:52

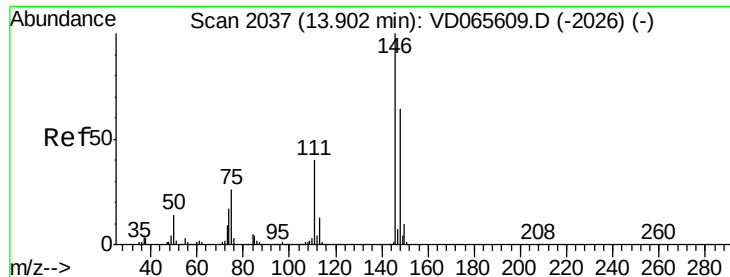
Tgt Ion: 117 Resp: 79695

Ion Ratio Lower Upper

117 100

201 85.0 43.9 131.7

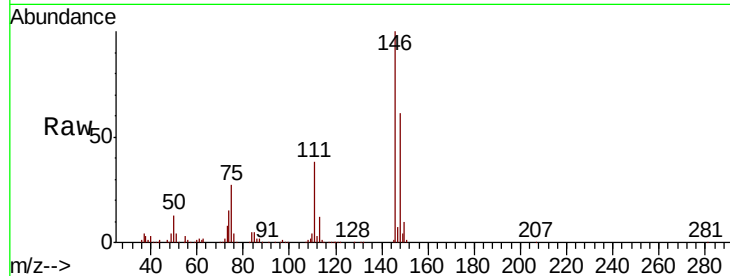




#91
 1,2-Dichlorobenzene
 Concen: 21.168 ug/l
 RT: 13.90 min Scan# 2037
 Delta R.T. 0.00 min
 Lab File: VD065616.D
 Acq: 13 Apr 2020 14:52

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0413SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.7	19.1	57.5
148	62.8	31.8	95.4

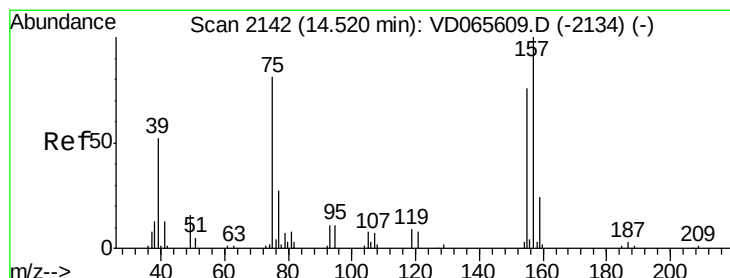
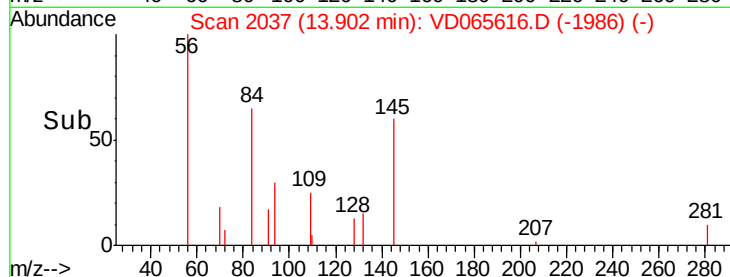
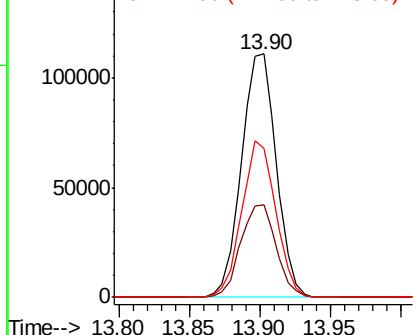


Abundance

Ion 145.90 (145.60 to 146.60): V

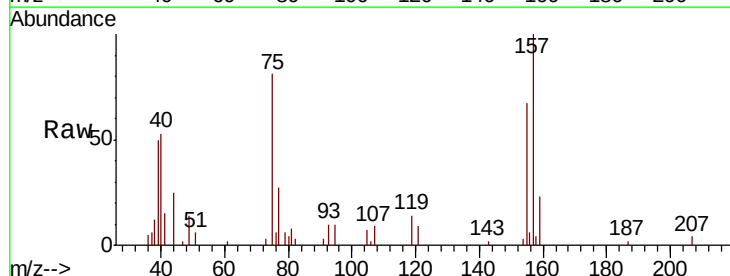
Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.347 ug/l
 RT: 14.52 min Scan# 2142
 Delta R.T. 0.00 min
 Lab File: VD065616.D
 Acq: 13 Apr 2020 14:52

Tgt Ion	Ratio	Lower	Upper
75	100		
155	90.4	46.8	140.4
157	111.7	59.6	178.7

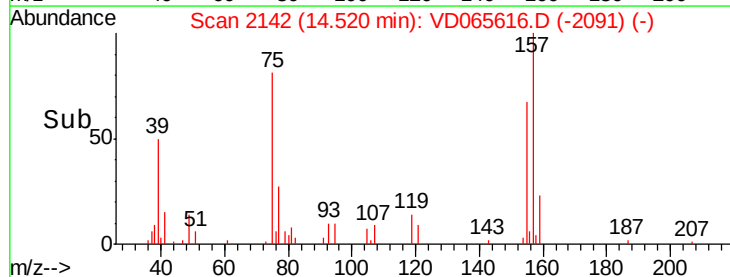
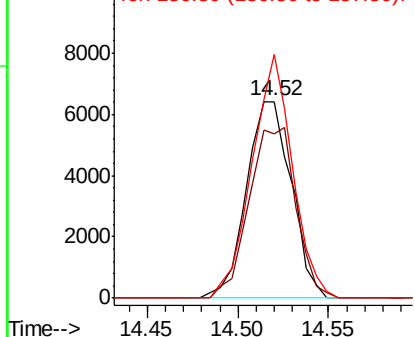


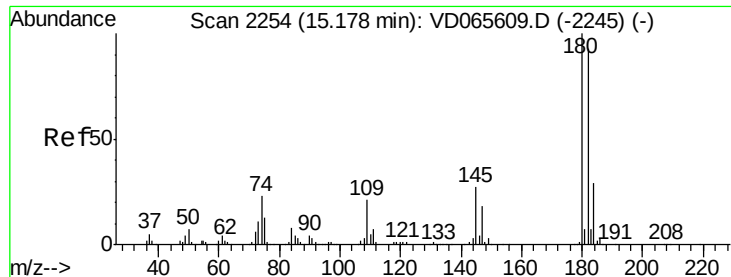
Abundance

Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

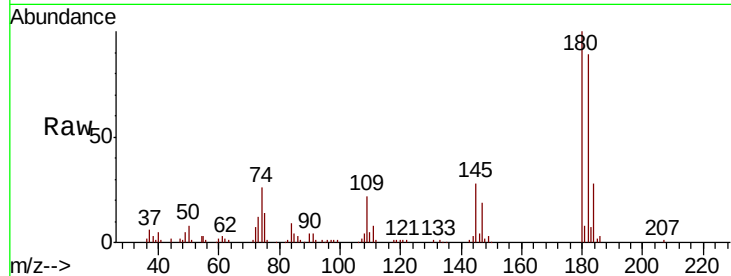




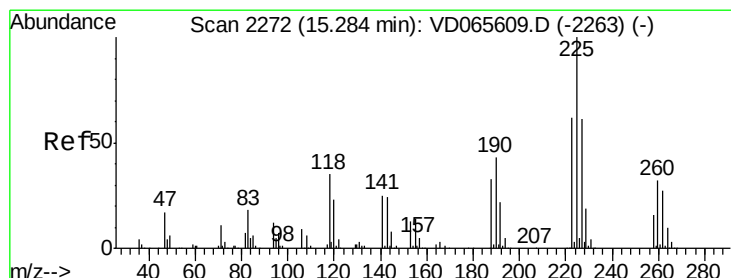
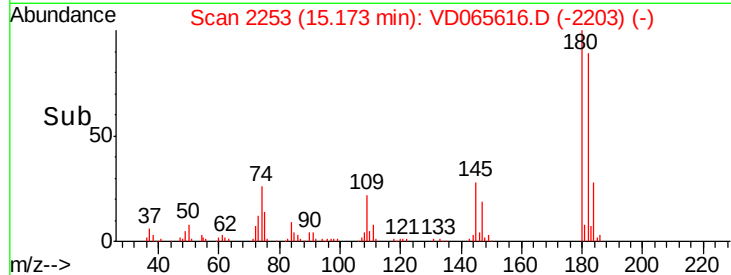
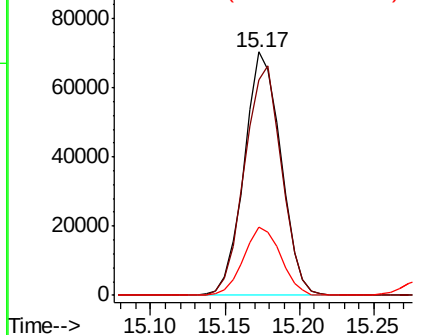
#93
 1,2,4-Trichlorobenzene
 Concen: 20.066 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. -0.01 min
 Lab File: VD065616.D
 Acq: 13 Apr 2020 14:52

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0413SBS01

Tot Ion:180 Resp: 119516
 Ion Ratio Lower Upper
 180 100
 182 95.2 47.0 141.2
 145 28.5 14.0 41.9

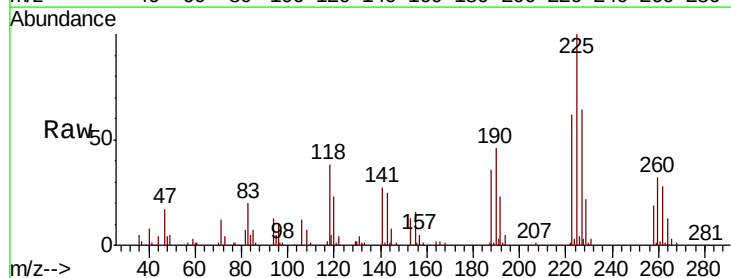


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

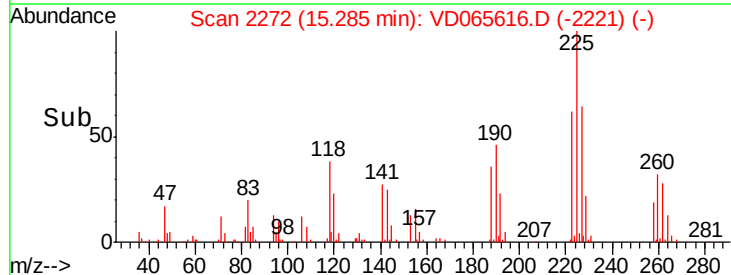
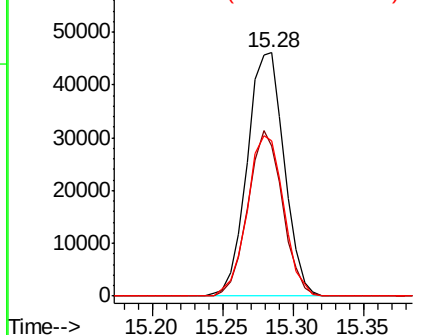


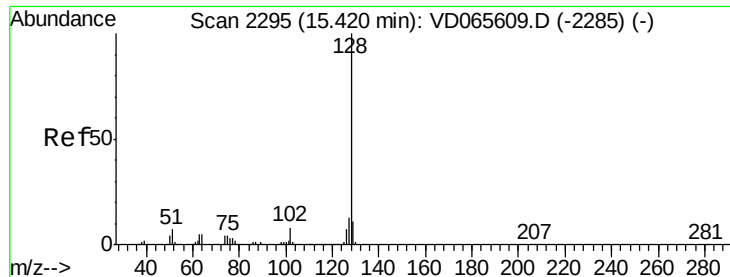
#94
 Hexachlorobutadiene
 Concen: 20.533 ug/l
 RT: 15.28 min Scan# 2272
 Delta R.T. 0.00 min
 Lab File: VD065616.D
 Acq: 13 Apr 2020 14:52

Tgt Ion:225 Resp: 85008
 Ion Ratio Lower Upper
 225 100
 223 63.3 31.6 94.7
 227 65.1 31.6 95.0



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

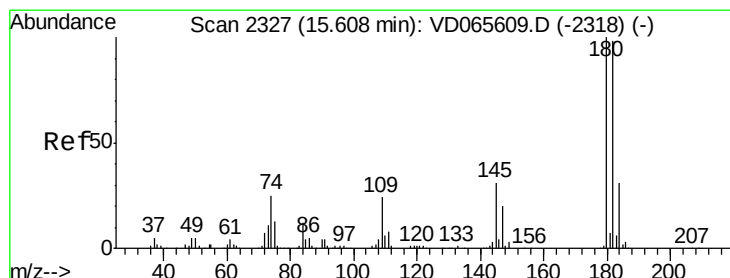
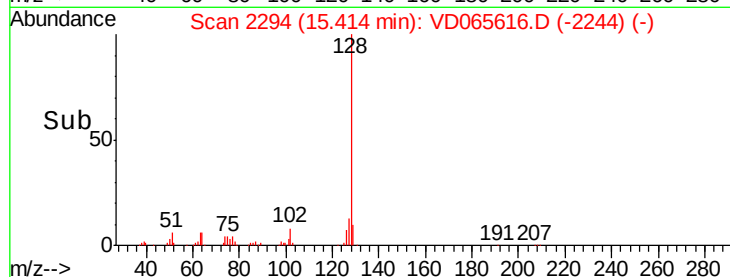
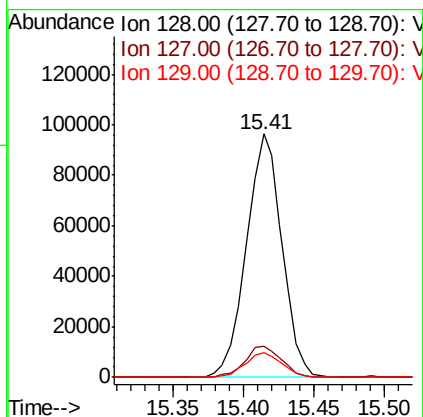
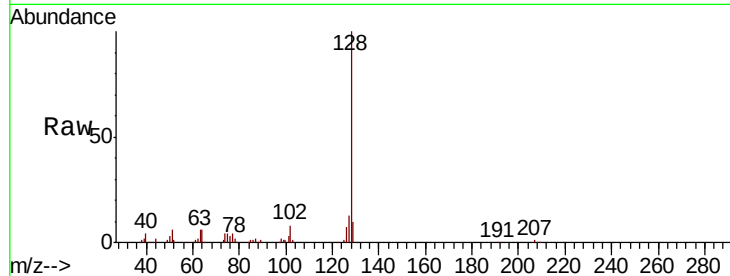




#95
Naphthalene
Concen: 19.188 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. -0.01 min
Lab File: VD065616.D
Acq: 13 Apr 2020 14:52

Instrument :
MSVOA_D
ClientSampleId :
VD0413SBS01

Tot Ion:128 Resp: 169818
Ion Ratio Lower Upper
128 100
127 13.2 10.6 15.8
129 10.6 8.4 12.6



#96
1,2,3-Trichlorobenzene
Concen: 20.867 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. 0.00 min
Lab File: VD065616.D
Acq: 13 Apr 2020 14:52

Tgt Ion:180 Resp: 107584
Ion Ratio Lower Upper
180 100
182 93.9 47.7 143.1
145 30.5 15.2 45.6

