

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD101419\
 Data File : VD063952.D
 Acq On : 14 Oct 2019 13:34
 Operator : VA/SY
 Sample : VD1014SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Oct 14 17:06:41 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100219S.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 05 03:51:17 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	171559	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	277047	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	269807	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	146815	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	86427	51.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.48%	
35) Dibromofluoromethane	7.92	113	89006	52.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.14%	
50) Toluene-d8	10.34	98	376986	54.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.72%	
62) 4-Bromofluorobenzene	12.63	95	120705	50.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.10%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	25508	20.966	ug/l	82
3) Chloromethane	2.21	50	82013	22.550	ug/l	98
4) Vinyl Chloride	2.35	62	91039	23.152	ug/l	96
5) Bromomethane	2.76	94	52208	20.652	ug/l	99
6) Chloroethane	2.91	64	58510	22.499	ug/l	99
7) Trichlorofluoromethane	3.27	101	127784	24.578	ug/l	92
8) Diethyl Ether	3.70	74	17121	20.517	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.07	101	32201	22.375	ug/l	97
10) Methyl Iodide	4.29	142	37196	18.757	ug/l	98
11) Tert butyl alcohol	5.26	59	13638	113.142	ug/l #	91
12) 1,1-Dichloroethene	4.05	96	31083	21.618	ug/l	91
13) Acrolein	3.92	56	11886	79.677	ug/l	96
14) Allyl chloride	4.71	41	47972	20.068	ug/l	94
15) Acrylonitrile	5.43	53	39350	106.956	ug/l	99
16) Acetone	4.16	43	41752	96.013	ug/l #	84
17) Carbon Disulfide	4.40	76	104745	20.041	ug/l	96
18) Methyl Acetate	4.71	43	20384	23.966	ug/l	97
19) Methyl tert-butyl Ether	5.48	73	72263	19.409	ug/l #	86
20) Methylene Chloride	4.96	84	43206	20.624	ug/l	93
21) trans-1,2-Dichloroethene	5.46	96	36823	20.573	ug/l	97
22) Diisopropyl ether	6.37	45	100561	20.598	ug/l	93
23) Vinyl Acetate	6.31	43	305303	105.122	ug/l	100
24) 1,1-Dichloroethane	6.26	63	62582	20.811	ug/l	96
25) 2-Butanone	7.22	43	51471	99.875	ug/l #	85
26) 2,2-Dichloropropane	7.20	77	56240	20.675	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	44082	21.759	ug/l	95
28) Bromochloromethane	7.54	49	20792	19.372	ug/l	100
29) Tetrahydrofuran	7.57	42	33231	110.474	ug/l	94
30) Chloroform	7.71	83	67732	20.738	ug/l	88
31) Cyclohexane	7.99	56	62107	22.810	ug/l #	94
32) 1,1,1-Trichloroethane	7.90	97	65331	23.318	ug/l	94
36) 1,1-Dichloropropene	8.11	75	57161	22.566	ug/l	99
37) Ethyl Acetate	7.30	43	22275	19.497	ug/l	99
38) Carbon Tetrachloride	8.10	117	57468	22.450	ug/l #	93

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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	70324	22.579	ug/l	92
40) Benzene	8.35	78	156165	21.513	ug/l	99
41) Methacrylonitrile	7.53	41	13397	22.811	ug/l #	90
42) 1,2-Dichloroethane	8.43	62	44908	21.387	ug/l	98
43) Isopropyl Acetate	8.46	43	43435	20.446	ug/l	99
44) Trichloroethene	9.11	130	46121	22.033	ug/l	100
45) 1,2-Dichloropropane	9.39	63	37260	20.970	ug/l	97
46) Dibromomethane	9.48	93	21198	20.949	ug/l	92
47) Bromodichloromethane	9.67	83	52876	20.296	ug/l	98
48) Methyl methacrylate	9.46	41	19229	18.892	ug/l	93
49) 1,4-Dioxane	9.46	88	5668	410.357	ug/l	94
51) 4-Methyl-2-Pentanone	10.23	43	116018	105.305	ug/l	94
52) Toluene	10.40	92	107562	21.585	ug/l	99
53) t-1,3-Dichloropropene	10.62	75	51490	20.254	ug/l	98
54) cis-1,3-Dichloropropene	10.09	75	59491	20.329	ug/l	93
55) 1,1,2-Trichloroethane	10.80	97	30697	21.485	ug/l	93
56) Ethyl methacrylate	10.67	69	34367	18.994	ug/l	95
57) 1,3-Dichloropropane	10.95	76	48078	19.667	ug/l	95
58) 2-Chloroethyl Vinyl ether	9.94	63	76464	98.319	ug/l	100
59) 2-Hexanone	10.99	43	83257	104.468	ug/l	100
60) Dibromochloromethane	11.14	129	37660	20.246	ug/l	99
61) 1,2-Dibromoethane	11.24	107	31262	22.570	ug/l	98
64) Tetrachloroethene	10.88	164	39729	21.569	ug/l	95
65) Chlorobenzene	11.67	112	117040	21.600	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.74	131	42660	21.367	ug/l	93
67) Ethyl Benzene	11.74	91	209909	21.484	ug/l	99
68) m/p-Xylenes	11.86	106	164161	43.530	ug/l	97
69) o-Xylene	12.18	106	75058	20.785	ug/l	98
70) Styrene	12.20	104	128660	21.047	ug/l	99
71) Bromoform	12.36	173	23147	21.602	ug/l #	94
73) Isopropylbenzene	12.48	105	203046	20.573	ug/l	98
74) N-amyl acetate	12.29	43	43070	20.269	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	36028	20.978	ug/l	98
76) 1,2,3-Trichloropropane	12.79	75	43839	44.582	ug/l #	100
77) Bromobenzene	12.76	156	50129	20.386	ug/l	98
78) n-propylbenzene	12.82	91	251346	21.696	ug/l	98
79) 2-Chlorotoluene	12.91	91	133425	20.887	ug/l	99
80) 1,3,5-Trimethylbenzene	12.96	105	173978	21.129	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	11494	20.685	ug/l	97
82) 4-Chlorotoluene	13.01	91	141048	20.815	ug/l	99
83) tert-Butylbenzene	13.23	119	149097	20.346	ug/l	95
84) 1,2,4-Trimethylbenzene	13.27	105	177126	20.866	ug/l	100
85) sec-Butylbenzene	13.40	105	217399	21.968	ug/l	98
86) p-Isopropyltoluene	13.52	119	200365	21.396	ug/l	98
87) 1,3-Dichlorobenzene	13.51	146	101019	20.792	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	102463	21.377	ug/l	96
89) n-Butylbenzene	13.85	91	192915	22.131	ug/l	98
90) Hexachloroethane	14.11	117	35353	20.990	ug/l	99
91) 1,2-Dichlorobenzene	13.89	146	86992	20.776	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.50	75	5639	19.640	ug/l	90

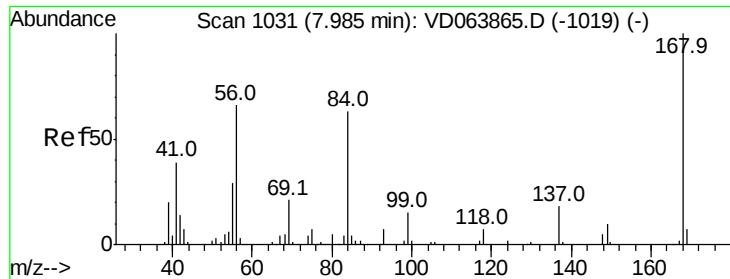
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	63462	19.643	ug/l	99
94) Hexachlorobutadiene	15.27	225	38787	21.756	ug/l	98
95) Naphthalene	15.40	128	107030	19.710	ug/l	96
96) 1,2,3-Trichlorobenzene	15.60	180	53706	19.267	ug/l	96

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD063952.D

Acq: 14 Oct 2019 13:34

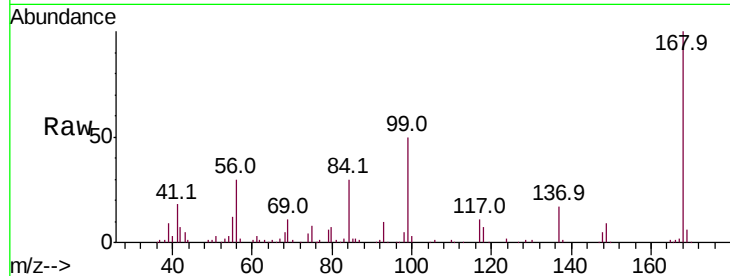
Instrument :
MSVOA_D
ClientSampled :

Tot Ion:168 Resp: 171559

Ion Ratio Lower Upper

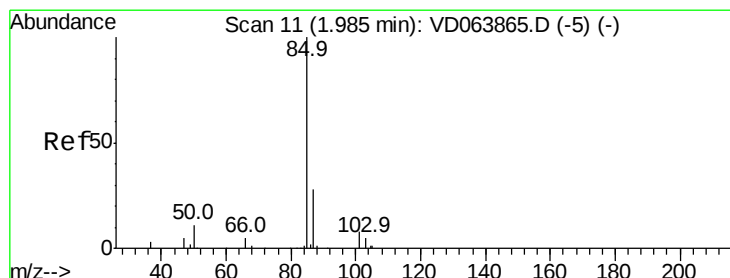
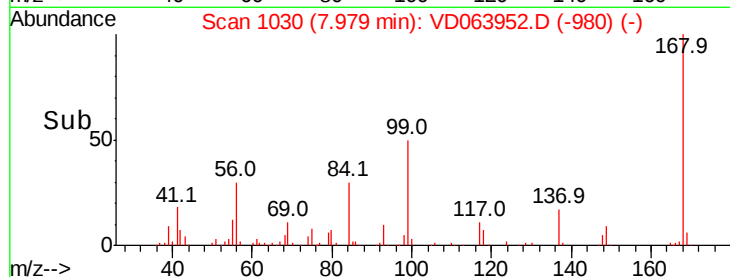
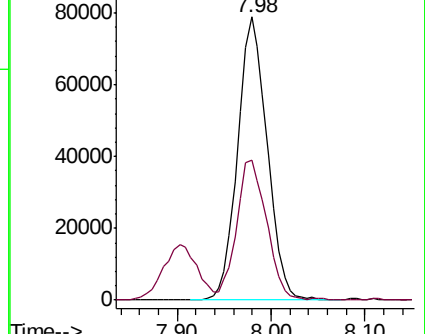
168 100

99 49.7 43.0 64.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 20.966 ug/l

RT: 1.99 min Scan# 11

Delta R.T. -0.00 min

Lab File: VD063952.D

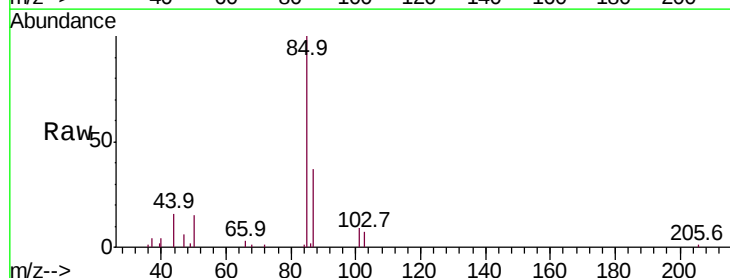
Acq: 14 Oct 2019 13:34

Tgt Ion: 85 Resp: 25508

Ion Ratio Lower Upper

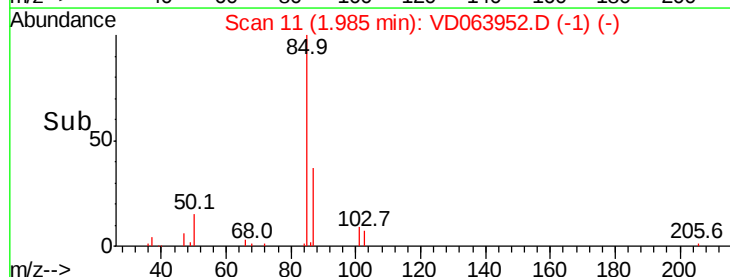
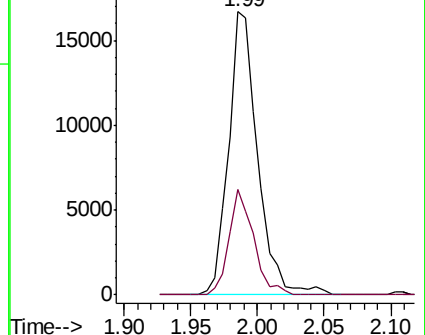
85 100

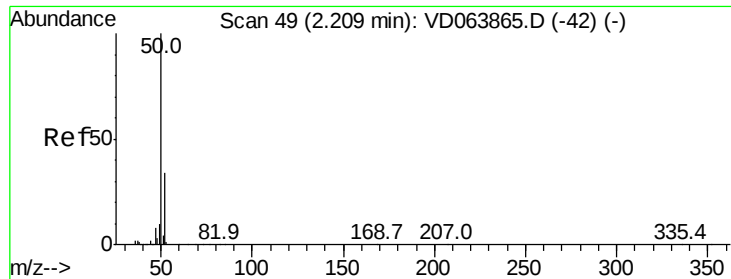
87 37.5 14.0 42.0



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 22.550 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD063952.D

Acq: 14 Oct 2019 13:34

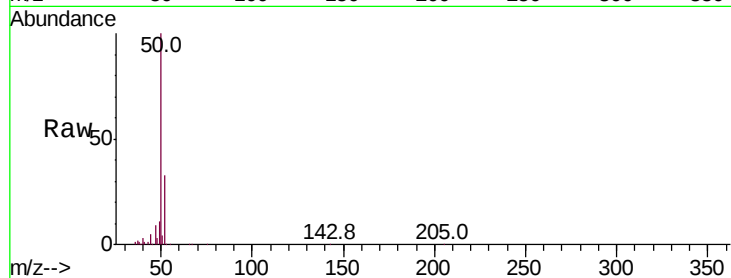
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 50 Resp: 82013

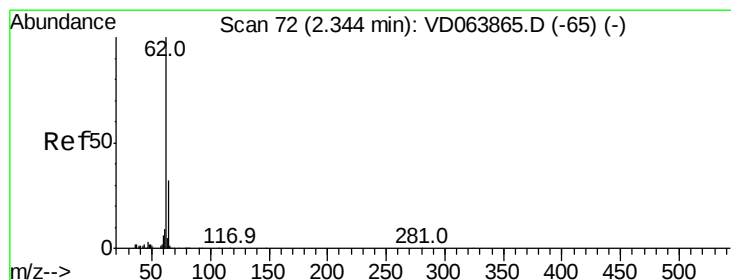
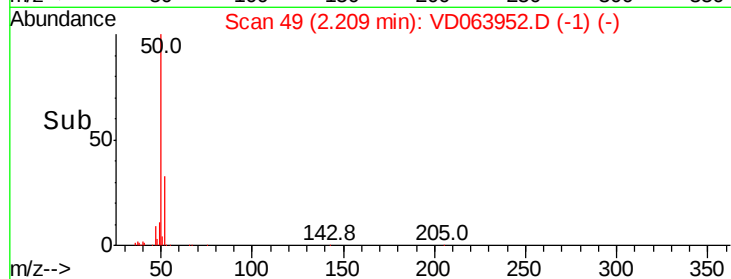
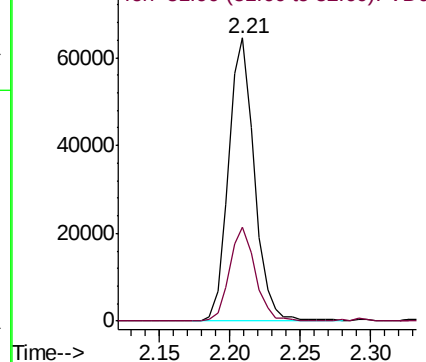
Ion Ratio Lower Upper

50 100

52 33.3 27.5 41.3



Abundance Ion 49.90 (49.60 to 50.60): VDC
Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 23.152 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.01 min

Lab File: VD063952.D

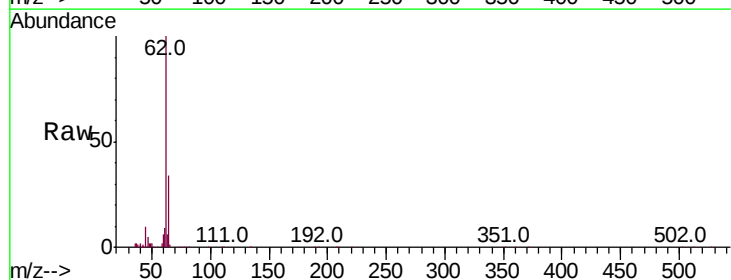
Acq: 14 Oct 2019 13:34

Tgt Ion: 62 Resp: 91039

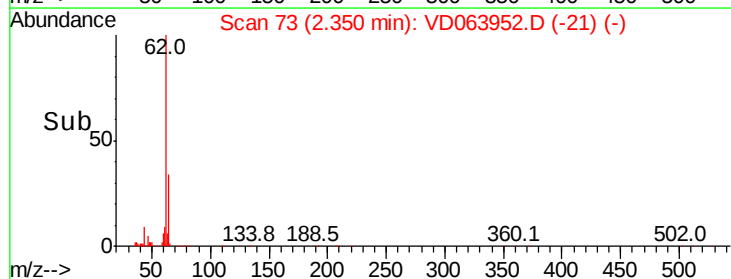
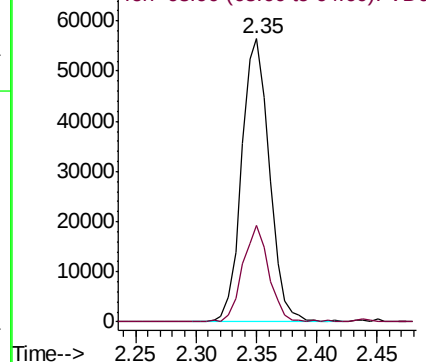
Ion Ratio Lower Upper

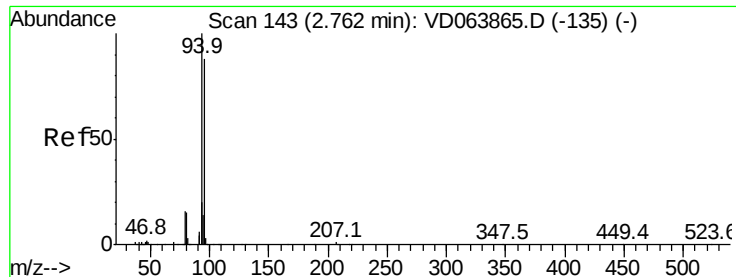
62 100

64 34.2 25.4 38.0



Abundance Ion 61.90 (61.60 to 62.60): VDC
Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 20.652 ug/l

RT: 2.76 min Scan# 142

Delta R.T. -0.01 min

Lab File: VD063952.D

Acq: 14 Oct 2019 13:34

Instrument :

MSVOA_D

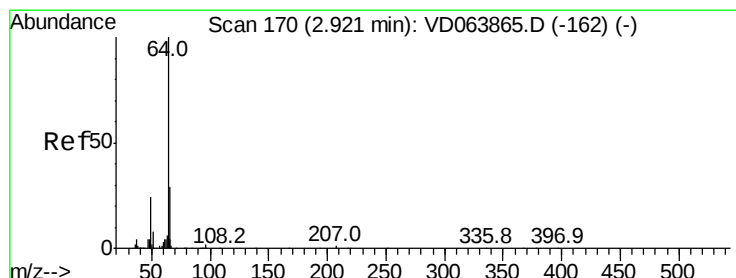
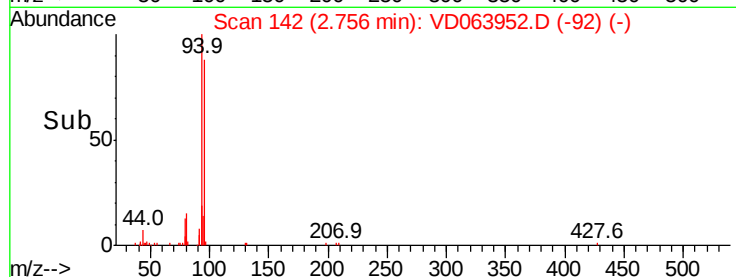
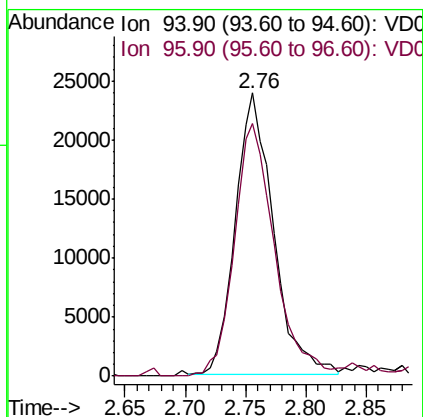
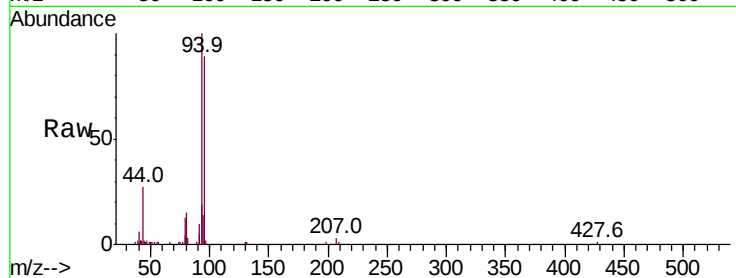
ClientSampleId :

Tot Ion: 94 Resp: 52208

Ion Ratio Lower Upper

94 100

96 89.7 70.8 106.2



#6

Chloroethane

Concen: 22.499 ug/l

RT: 2.91 min Scan# 169

Delta R.T. -0.01 min

Lab File: VD063952.D

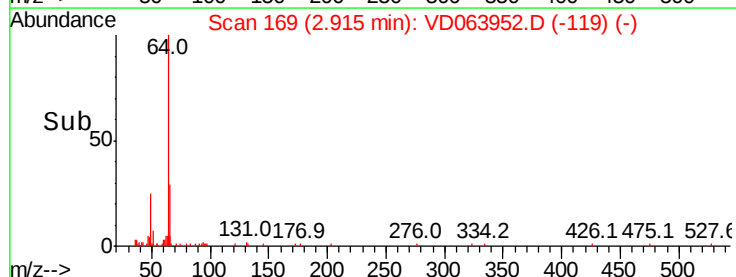
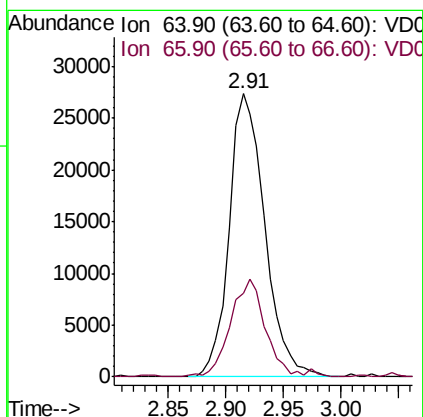
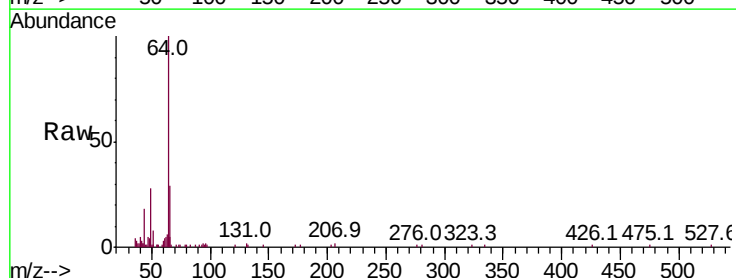
Acq: 14 Oct 2019 13:34

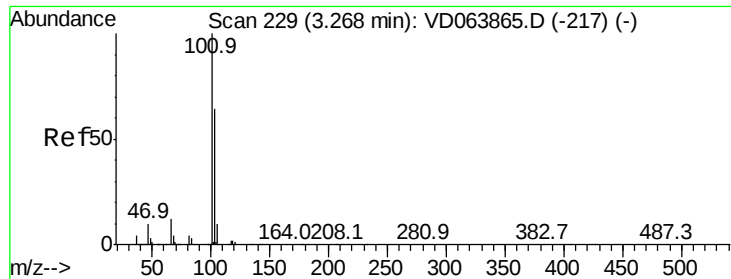
Tgt Ion: 64 Resp: 58510

Ion Ratio Lower Upper

64 100

66 29.4 23.0 34.4



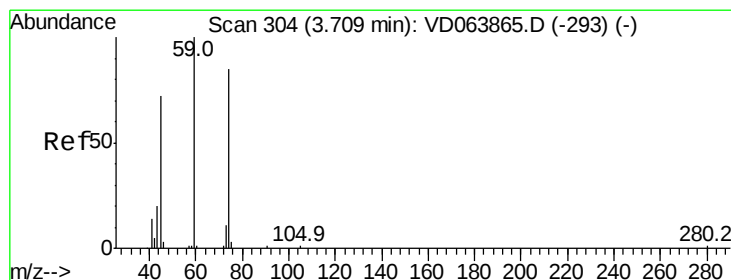
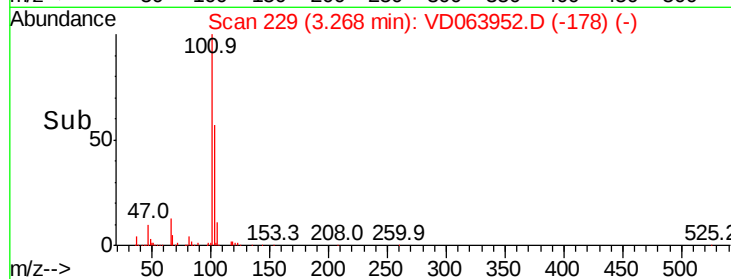
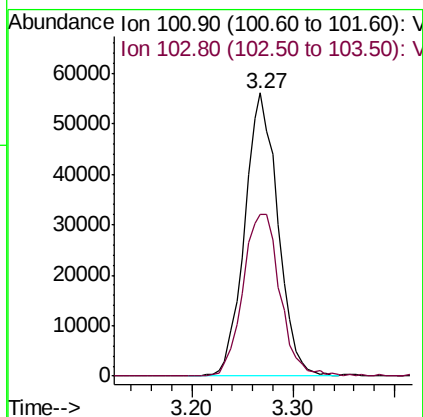
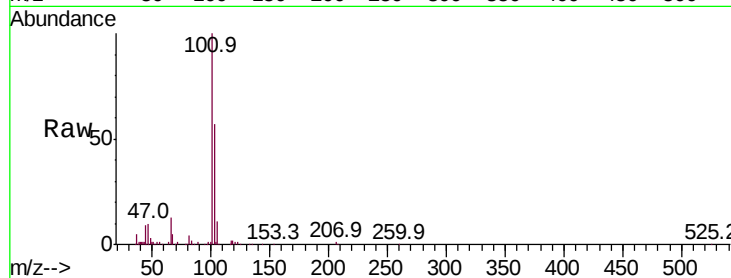


#7

Trichlorofluoromethane
Concen: 24.578 ug/l
RT: 3.27 min Scan# 229
Delta R.T. -0.00 min
Lab File: VD063952.D
Acq: 14 Oct 2019 13:34

Instrument :
MSVOA_D
ClientSampleId :

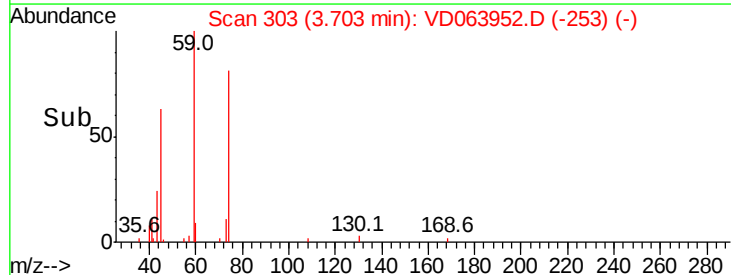
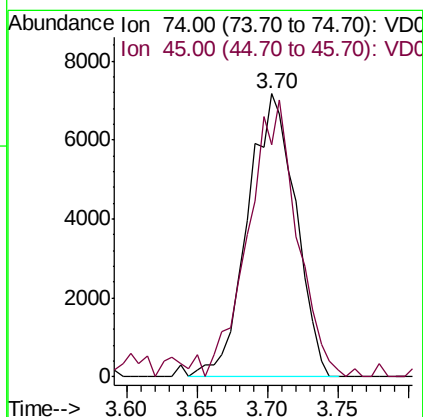
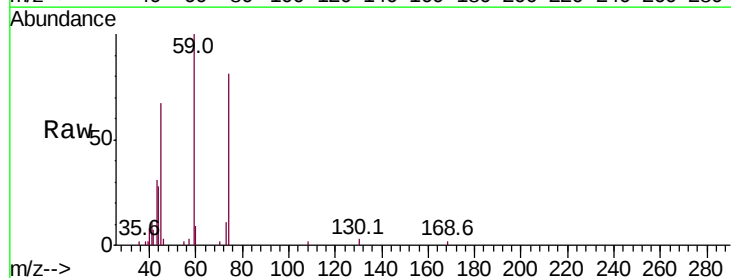
Tot Ion:101 Resp: 127784
Ion Ratio Lower Upper
101 100
103 57.4 51.1 76.7

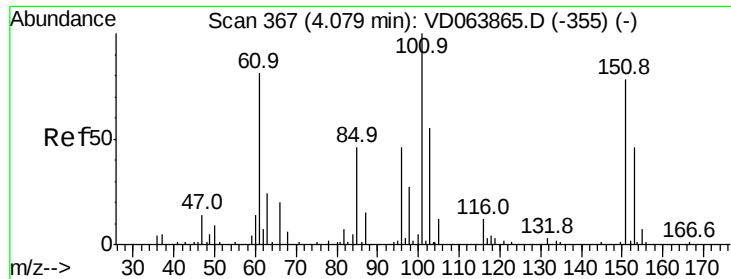


#8

Diethyl Ether
Concen: 20.517 ug/l
RT: 3.70 min Scan# 303
Delta R.T. -0.01 min
Lab File: VD063952.D
Acq: 14 Oct 2019 13:34

Tgt Ion: 74 Resp: 17121
Ion Ratio Lower Upper
74 100
45 98.0 48.1 144.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.375 ug/l

RT: 4.07 min Scan# 366

Delta R.T. -0.01 min

Lab File: VD063952.D

Acq: 14 Oct 2019 13:34

Instrument :

MSVOA_D

ClientSampled :

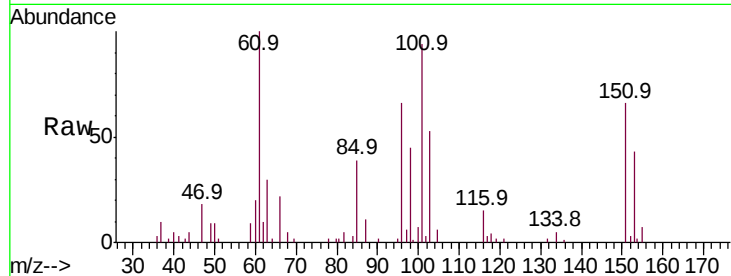
Tot Ion:101 Resp: 32201

Ion Ratio Lower Upper

101 100

85 48.7 37.5 56.3

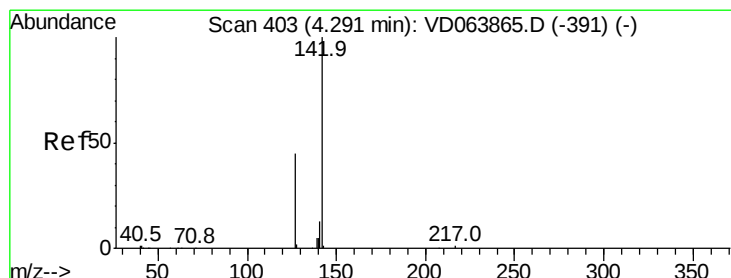
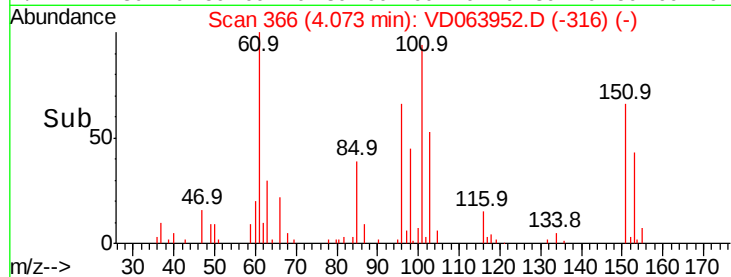
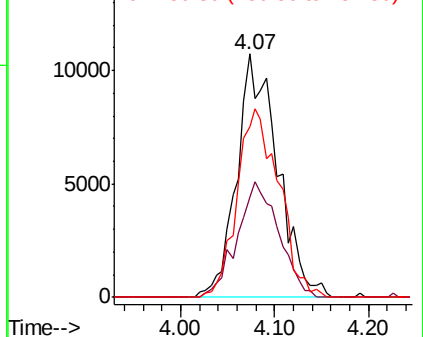
151 79.8 65.5 98.3



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 18.757 ug/l

RT: 4.29 min Scan# 403

Delta R.T. -0.00 min

Lab File: VD063952.D

Acq: 14 Oct 2019 13:34

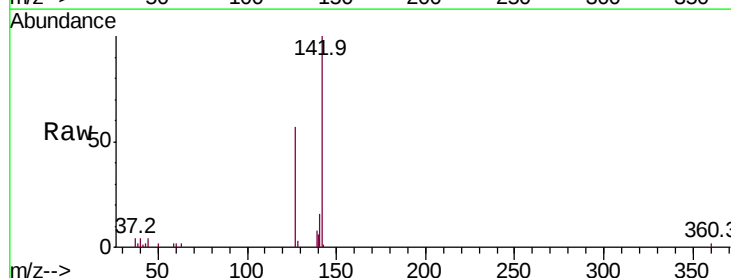
Tgt Ion:142 Resp: 37196

Ion Ratio Lower Upper

142 100

127 43.4 35.3 52.9

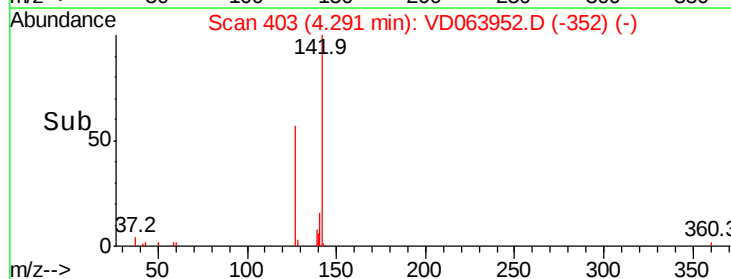
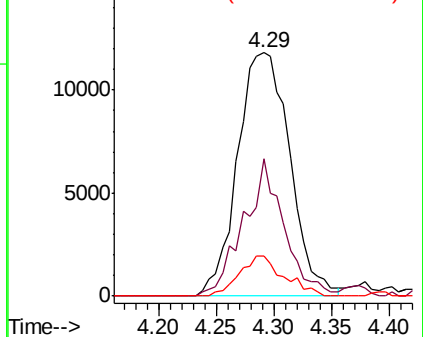
141 13.9 12.2 18.2

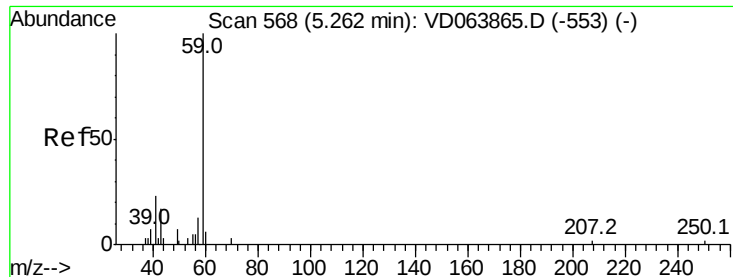


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



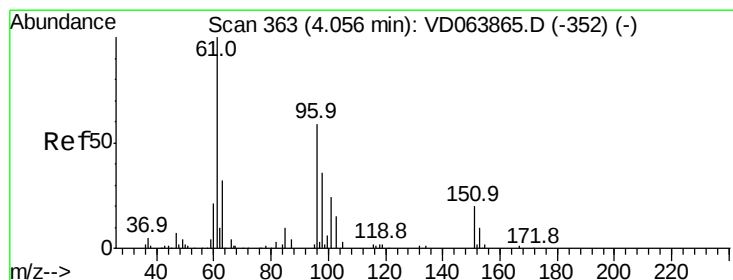
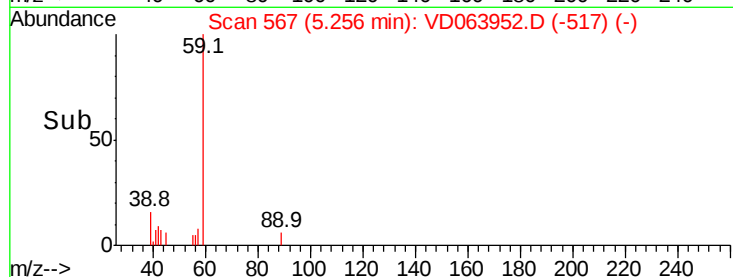
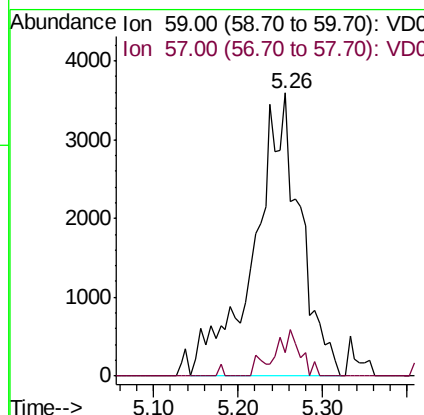
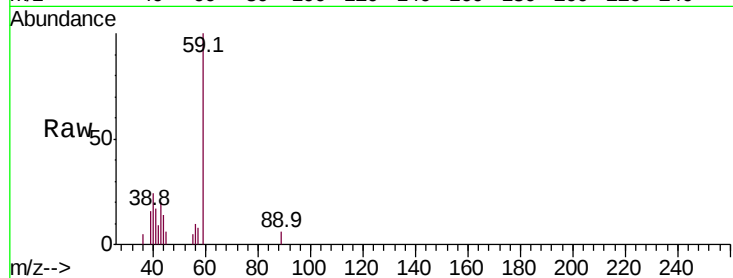


#11

Tert butyl alcohol
 Concen: 113.142 ug/l
 RT: 5.26 min Scan# 567
 Delta R.T. -0.01 min
 Lab File: VD063952.D
 Acq: 14 Oct 2019 13:34

Instrument :
 MSVOA_D
 ClientSampleId :

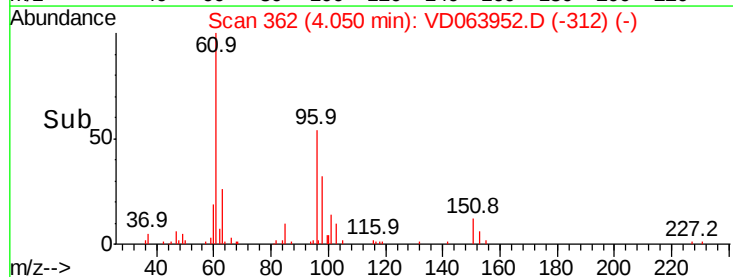
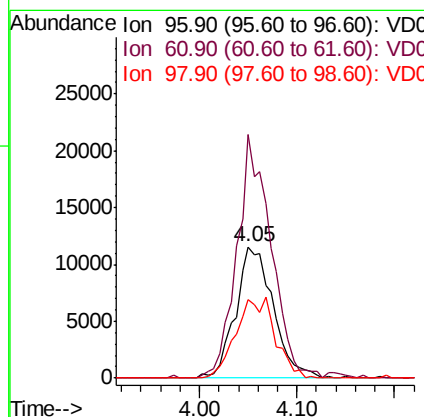
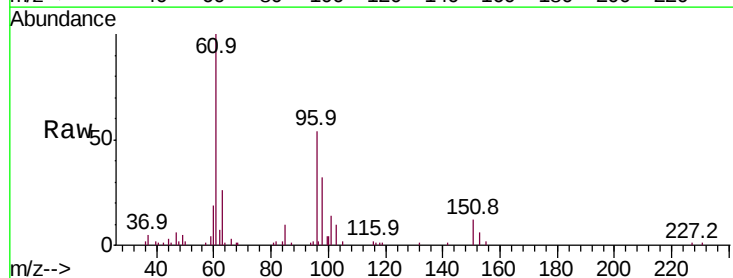
Tot Ion: 59 Resp: 13638
 Ion Ratio Lower Upper
 59 100
 57 7.6 8.8 13.2#

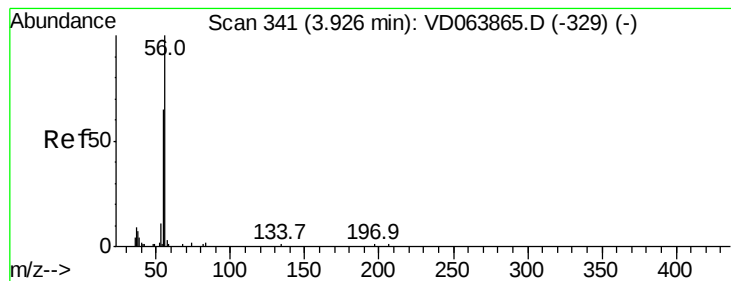


#12

1,1-Dichloroethene
 Concen: 21.618 ug/l
 RT: 4.05 min Scan# 362
 Delta R.T. -0.01 min
 Lab File: VD063952.D
 Acq: 14 Oct 2019 13:34

Tgt Ion: 96 Resp: 31083
 Ion Ratio Lower Upper
 96 100
 61 185.3 135.6 203.4
 98 59.4 49.2 73.8





#13

Acrolein

Concen: 79.677 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.01 min

Lab File: VD063952.D

Acq: 14 Oct 2019 13:34

Instrument :

MSVOA_D

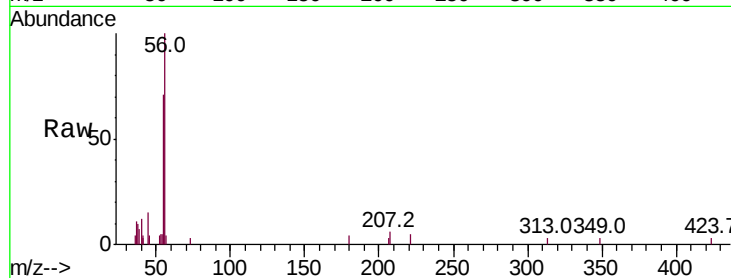
ClientSampleId :

Tot Ion: 56 Resp: 11886

Ion Ratio Lower Upper

56 100

55 69.6 53.0 79.6



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

3.92

6000

5000

4000

3000

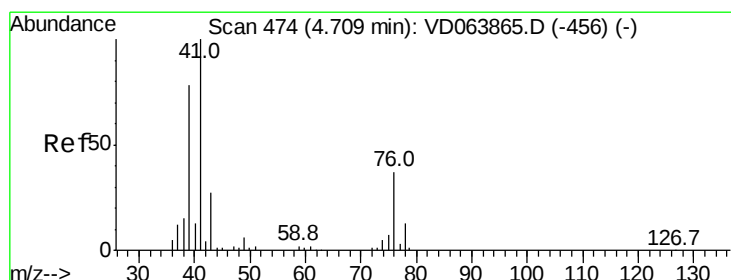
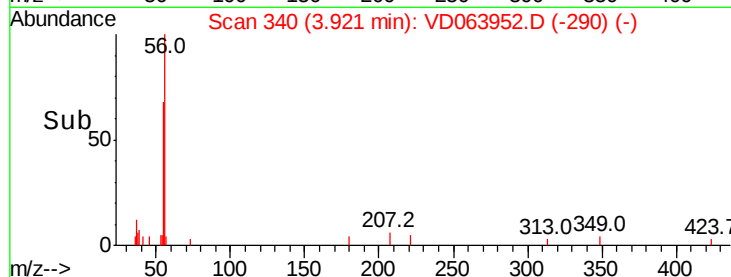
2000

1000

0

3.85 3.90 3.95 4.00

Time-->



#14

Allyl chloride

Concen: 20.068 ug/l

RT: 4.71 min Scan# 474

Delta R.T. -0.00 min

Lab File: VD063952.D

Acq: 14 Oct 2019 13:34

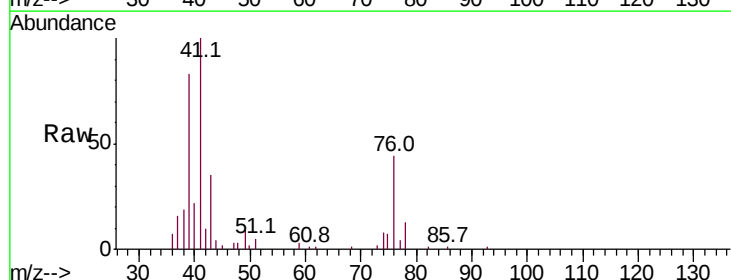
Tgt Ion: 41 Resp: 47972

Ion Ratio Lower Upper

41 100

39 82.8 61.8 92.6

76 42.5 31.3 46.9



Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC

20000

15000

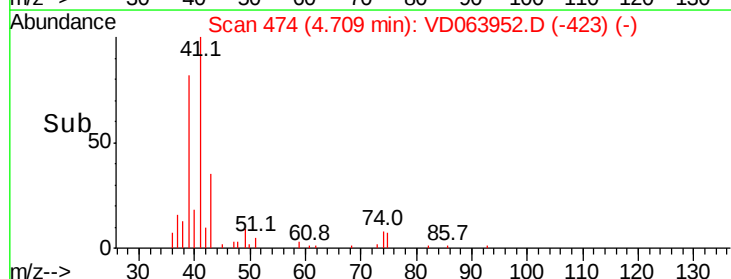
10000

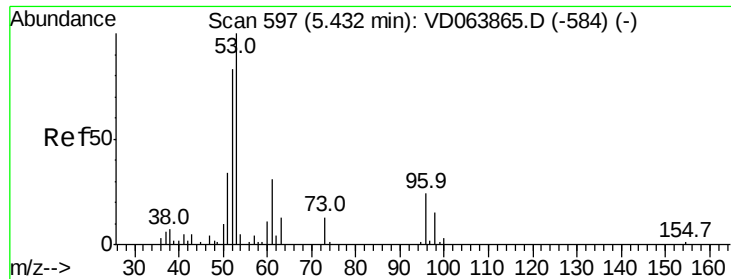
5000

0

4.50 4.60 4.70 4.80

Time-->





#15

Acrylonitrile

Concen: 106.956 ug/l

RT: 5.43 min Scan# 596

Delta R.T. -0.01 min

Lab File: VD063952.D

Acq: 14 Oct 2019 13:34

Instrument :

MSVOA_D

ClientSampleId :

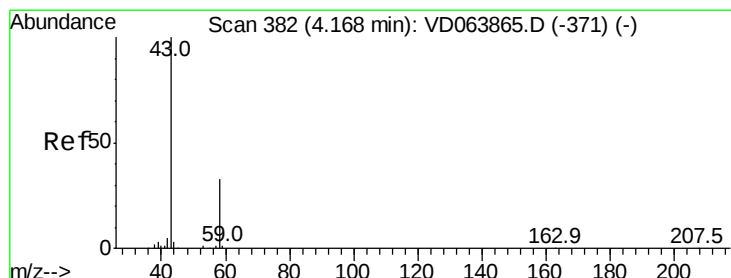
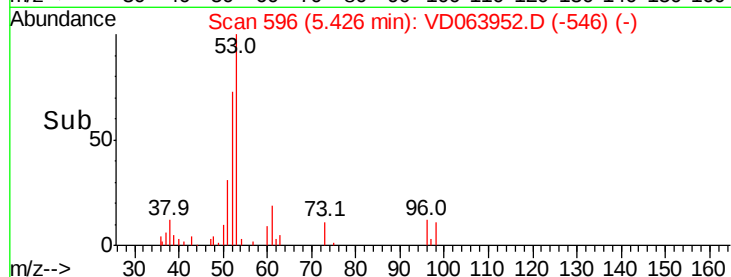
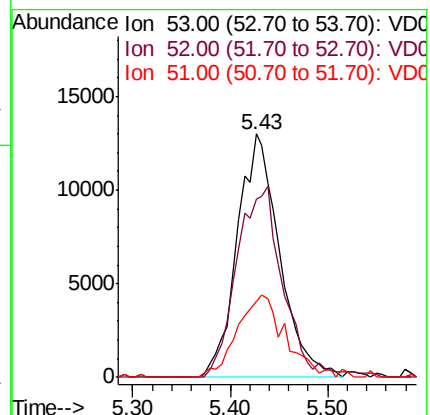
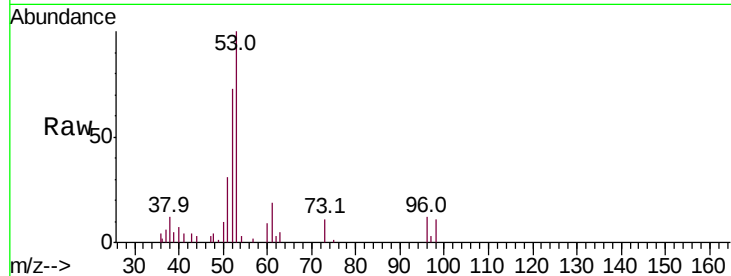
Tot Ion: 53 Resp: 39350

Ion Ratio Lower Upper

53 100

52 85.7 67.3 100.9

51 38.3 30.5 45.7



#16

Acetone

Concen: 96.013 ug/l

RT: 4.16 min Scan# 381

Delta R.T. -0.01 min

Lab File: VD063952.D

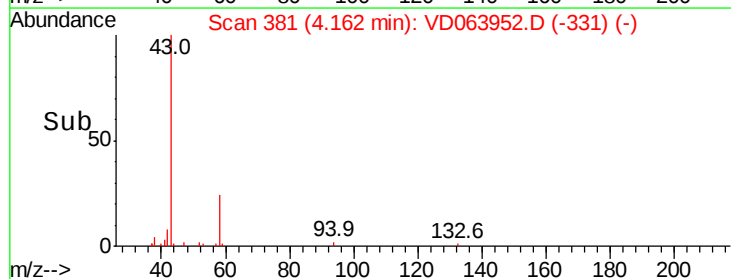
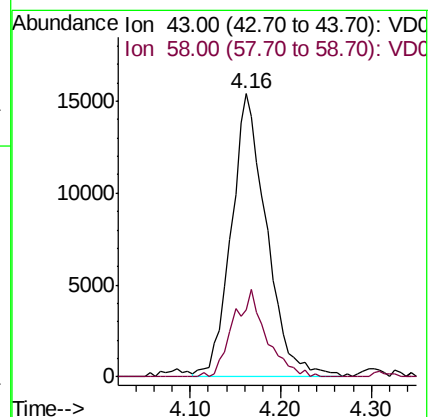
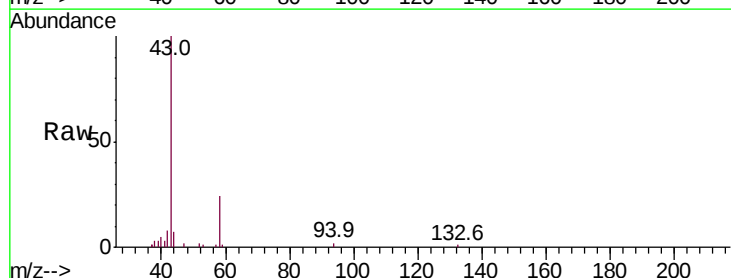
Acq: 14 Oct 2019 13:34

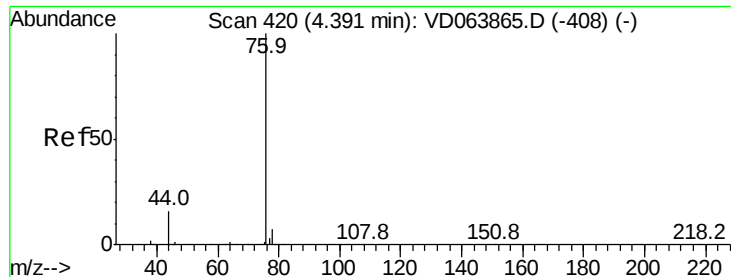
Tgt Ion: 43 Resp: 41752

Ion Ratio Lower Upper

43 100

58 23.8 26.2 39.4#

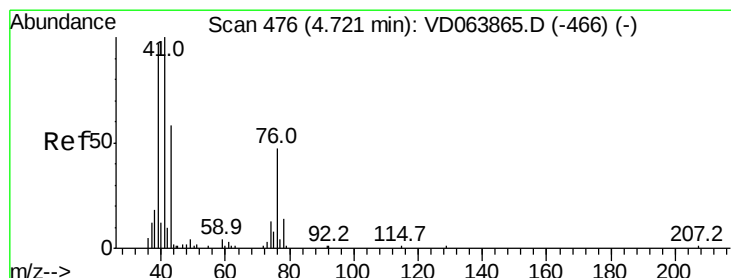
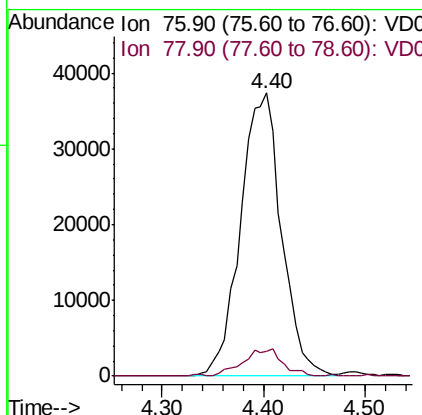
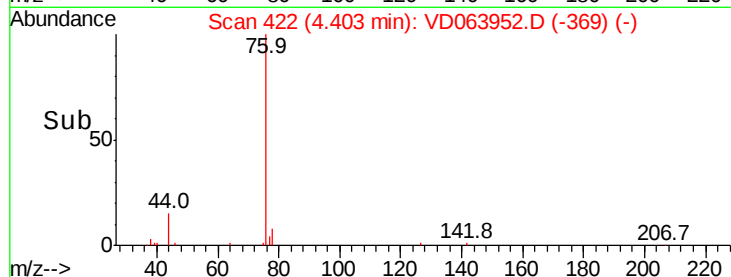
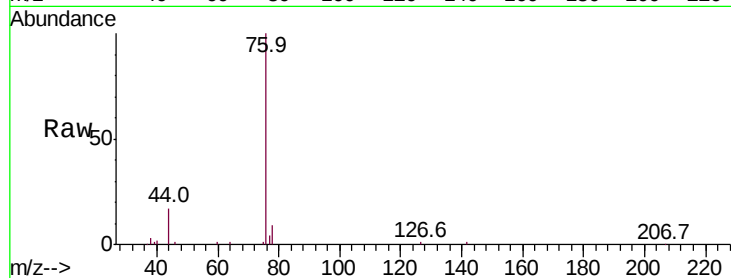




#17
Carbon Disulfide
Concen: 20.041 ug/l
RT: 4.40 min Scan# 422
Delta R.T. 0.01 min
Lab File: VD063952.D
Acq: 14 Oct 2019 13:34

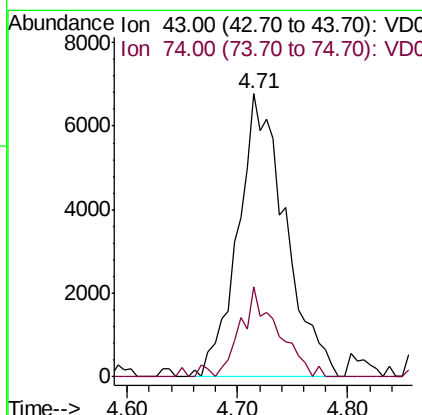
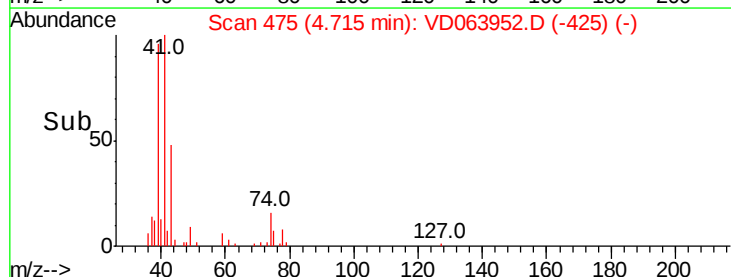
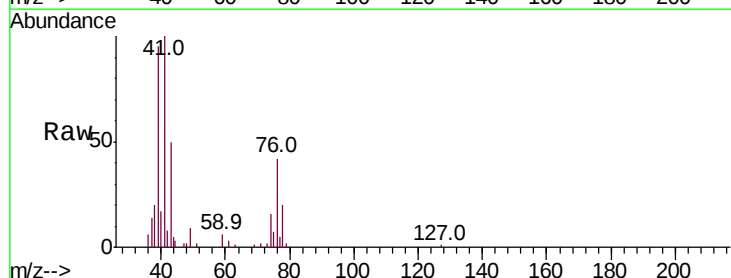
Instrument :
MSVOA_D
ClientSampleId :

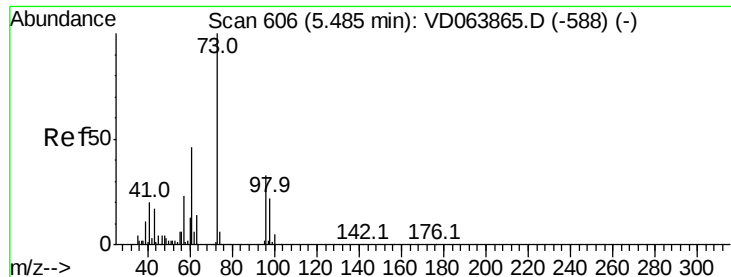
Tot Ion: 76 Resp: 104745
Ion Ratio Lower Upper
76 100
78 8.6 5.8 8.8



#18
Methyl Acetate
Concen: 23.966 ug/l
RT: 4.71 min Scan# 475
Delta R.T. -0.01 min
Lab File: VD063952.D
Acq: 14 Oct 2019 13:34

Tgt Ion: 43 Resp: 20384
Ion Ratio Lower Upper
43 100
74 24.7 20.8 31.2

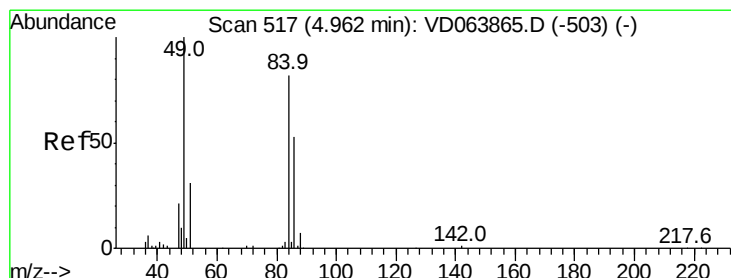
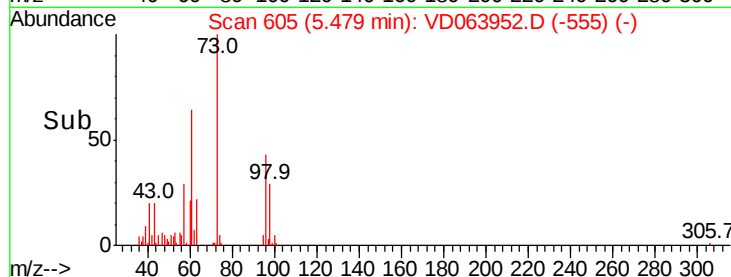
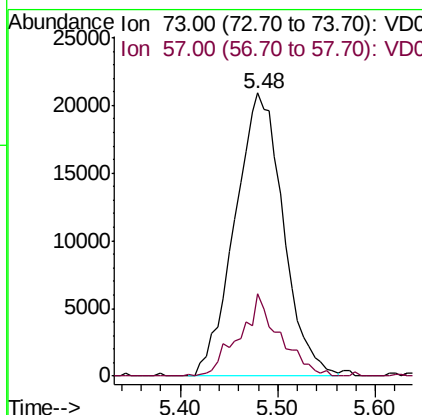
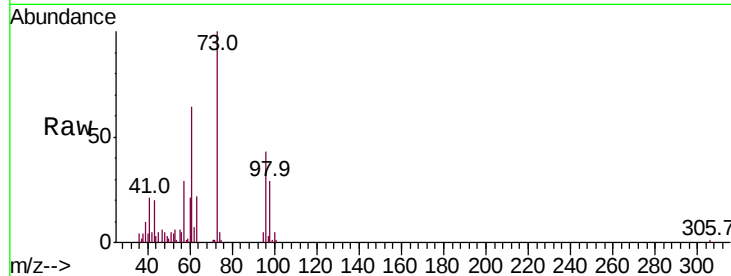




#19
Methyl tert-butyl Ether
Concen: 19.409 ug/l
RT: 5.48 min Scan# 605
Delta R.T. -0.01 min
Lab File: VD063952.D
Acq: 14 Oct 2019 13:34

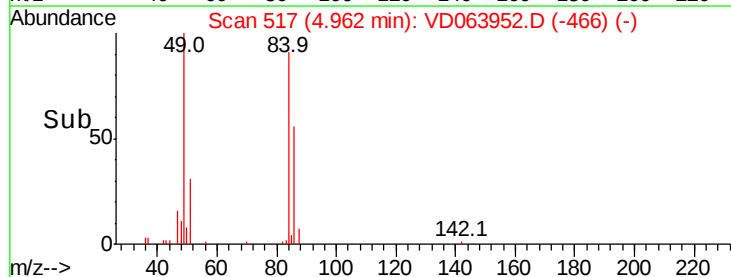
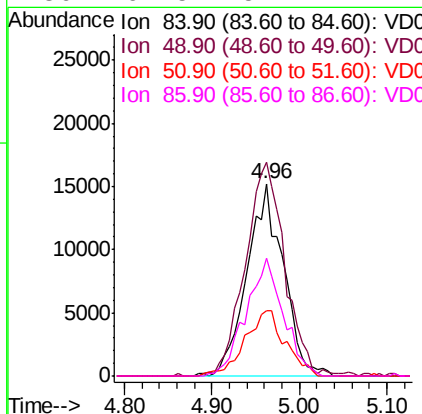
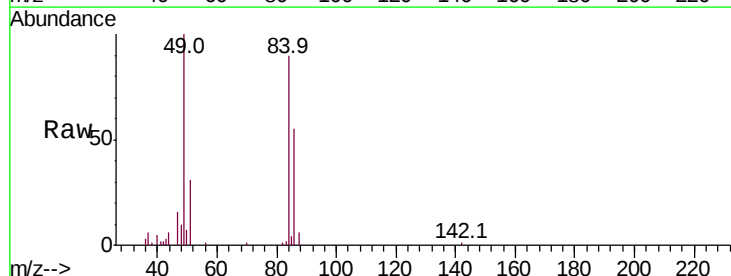
Instrument :
MSVOA_D
ClientSampleID :

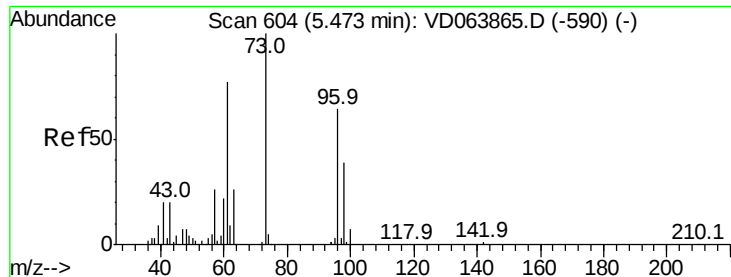
Tot Ion: 73 Resp: 72263
Ion Ratio Lower Upper
73 100
57 29.3 18.1 27.1#



#20
Methylene Chloride
Concen: 20.624 ug/l
RT: 4.96 min Scan# 517
Delta R.T. 0.00 min
Lab File: VD063952.D
Acq: 14 Oct 2019 13:34

Tgt Ion: 84 Resp: 43206
Ion Ratio Lower Upper
84 100
49 111.1 97.3 145.9
51 34.0 30.1 45.1
86 61.5 51.4 77.2





#21

trans-1,2-Dichloroethene

Concen: 20.573 ug/l

RT: 5.46 min Scan# 601

Delta R.T. -0.02 min

Lab File: VD063952.D

Acq: 14 Oct 2019 13:34

Instrument :

MSVOA_D

ClientSampleId :

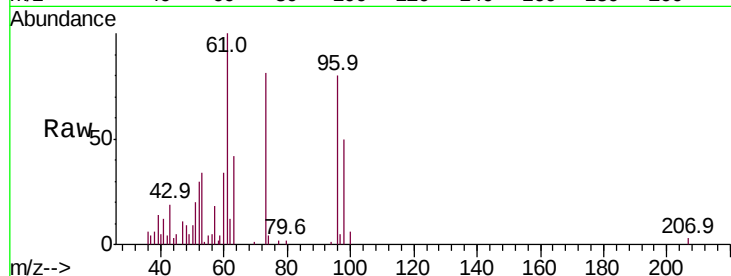
Tot Ion: 96 Resp: 36823

Ion Ratio Lower Upper

96 100

61 125.0 96.6 145.0

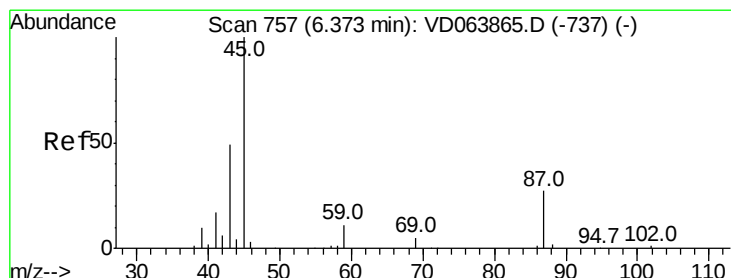
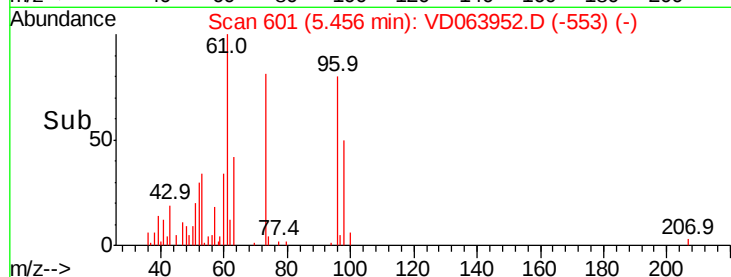
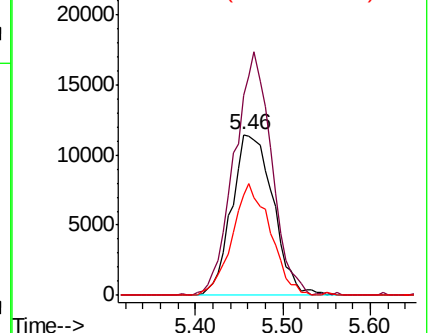
98 62.6 48.7 73.1



Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.90 (60.60 to 61.60): VDC

Ion 97.90 (97.60 to 98.60): VDC



#22

Diisopropyl ether

Concen: 20.598 ug/l

RT: 6.37 min Scan# 757

Delta R.T. -0.00 min

Lab File: VD063952.D

Acq: 14 Oct 2019 13:34

Tgt Ion: 45 Resp: 100561

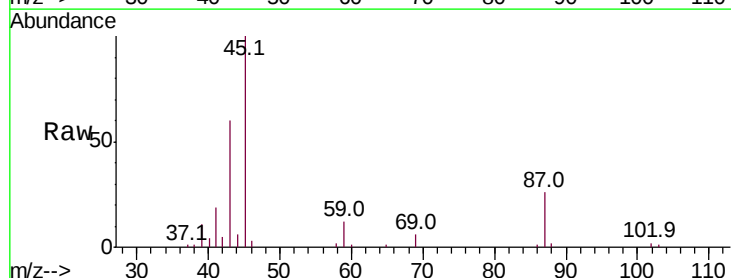
Ion Ratio Lower Upper

45 100

43 57.7 41.2 61.8

87 24.6 22.2 33.4

59 12.1 9.2 13.8

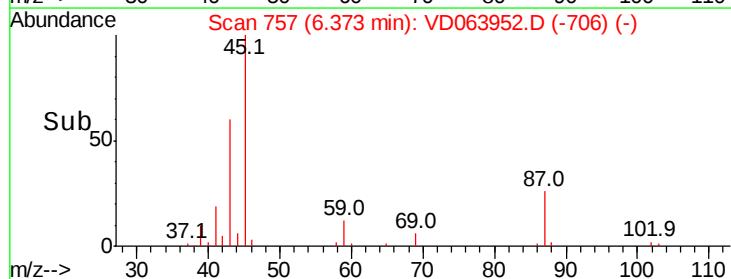
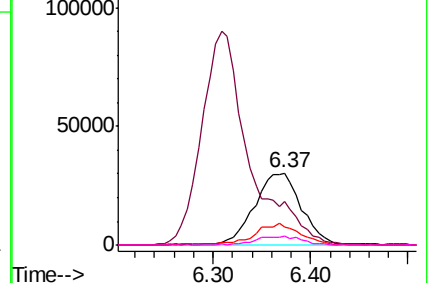


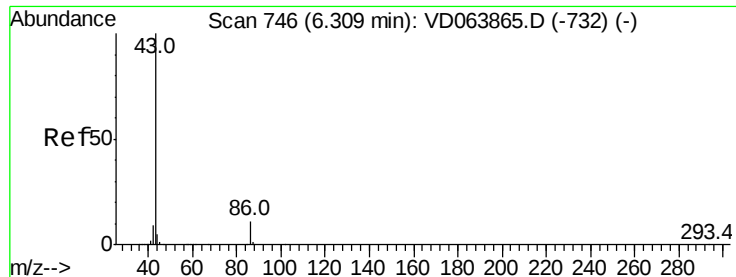
Abundance Ion 45.00 (44.70 to 45.70): VDC

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: 105.122 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.00 min

Lab File: VD063952.D

Acq: 14 Oct 2019 13:34

Instrument :

MSVOA_D

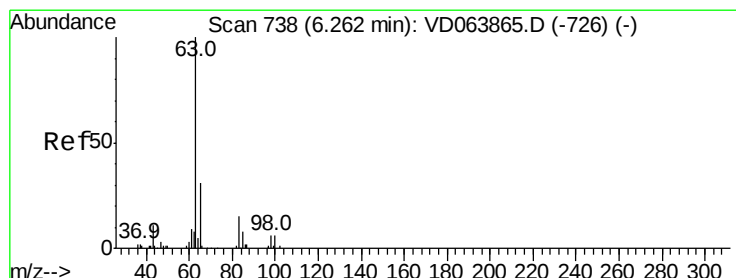
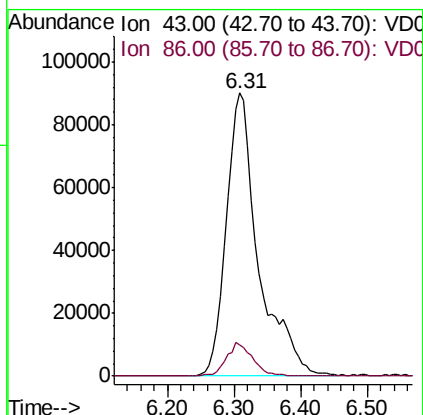
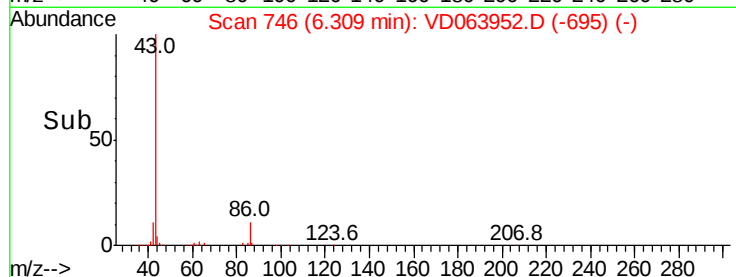
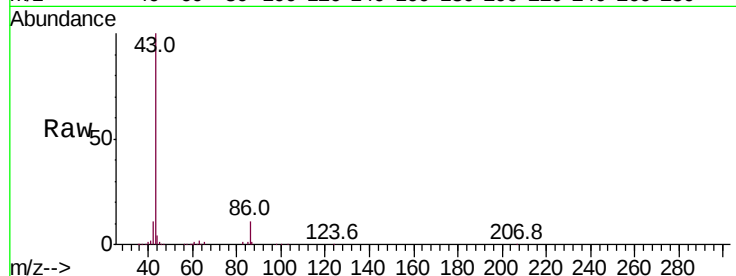
ClientSampled :

Tot Ion: 43 Resp: 305303

Ion Ratio Lower Upper

43 100

86 11.0 8.8 13.2



#24

1,1-Dichloroethane

Concen: 20.811 ug/l

RT: 6.26 min Scan# 738

Delta R.T. -0.00 min

Lab File: VD063952.D

Acq: 14 Oct 2019 13:34

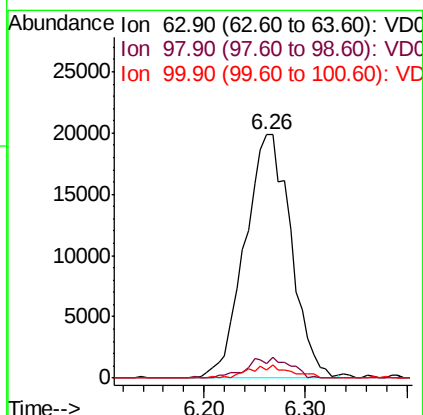
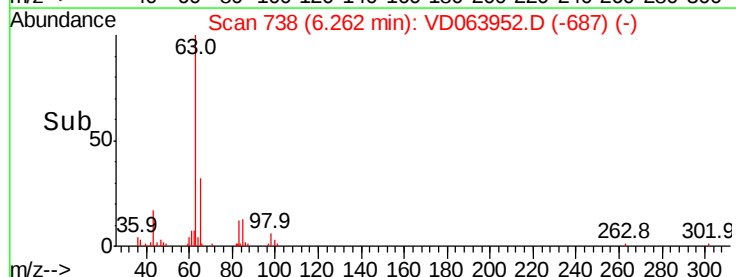
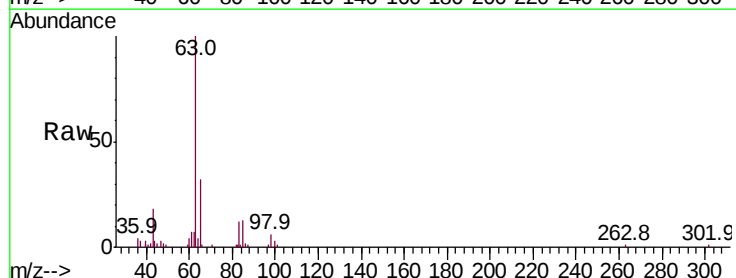
Tgt Ion: 63 Resp: 62582

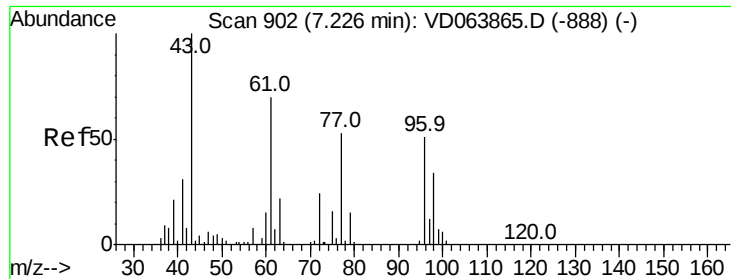
Ion Ratio Lower Upper

63 100

98 6.2 3.1 9.4

100 3.3 3.0 9.2





#25

2-Butanone

Concen: 99.875 ug/l

RT: 7.22 min Scan# 901

Delta R.T. -0.01 min

Lab File: VD063952.D

Acq: 14 Oct 2019 13:34

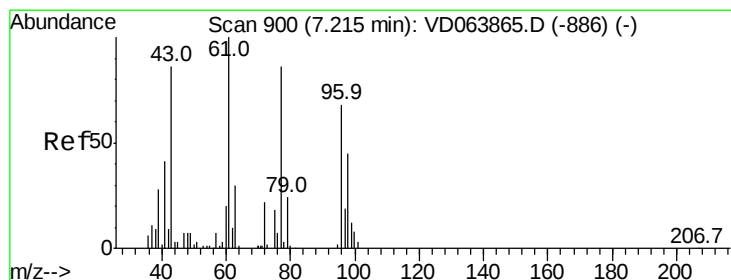
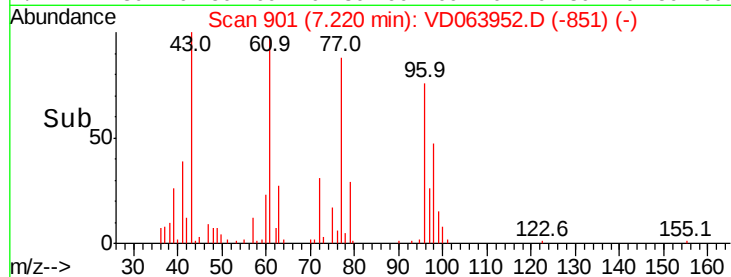
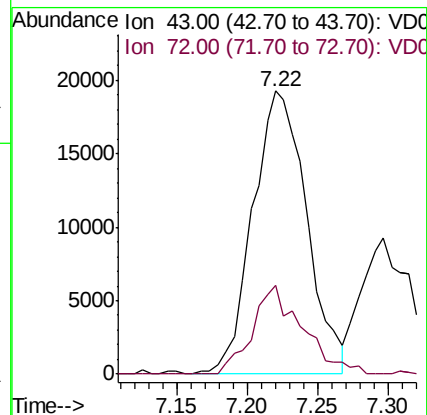
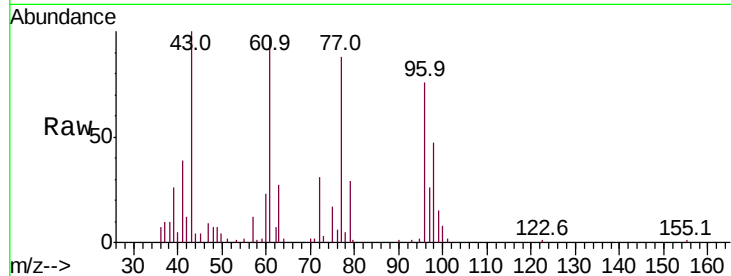
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 43 Resp: 51471

Ion Ratio Lower Upper

43 100

72 31.4 19.2 28.8#



#26

2,2-Dichloropropane

Concen: 20.675 ug/l

RT: 7.20 min Scan# 898

Delta R.T. -0.01 min

Lab File: VD063952.D

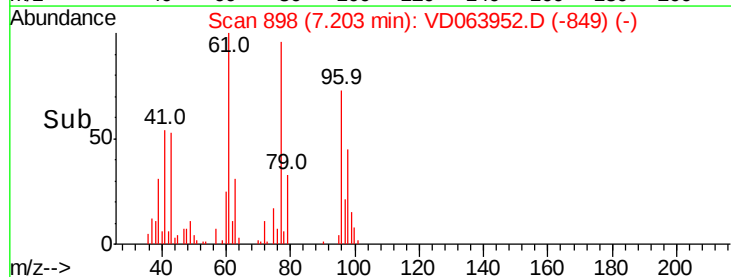
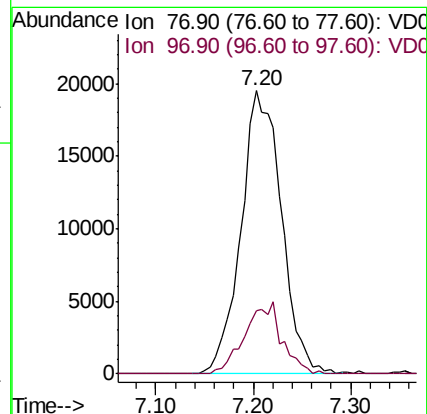
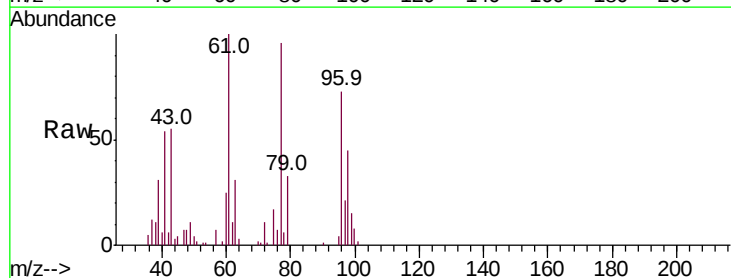
Acq: 14 Oct 2019 13:34

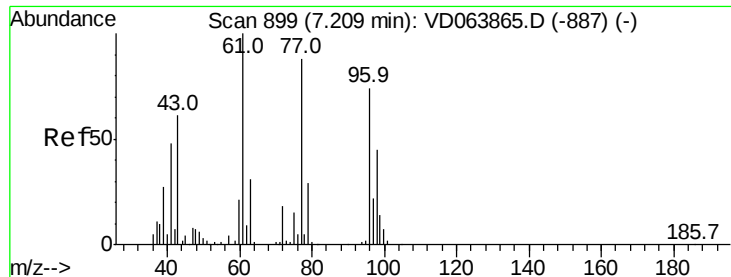
Tgt Ion: 77 Resp: 56240

Ion Ratio Lower Upper

77 100

97 23.1 11.4 34.1





#27

cis-1,2-Dichloroethene

Concen: 21.759 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.00 min

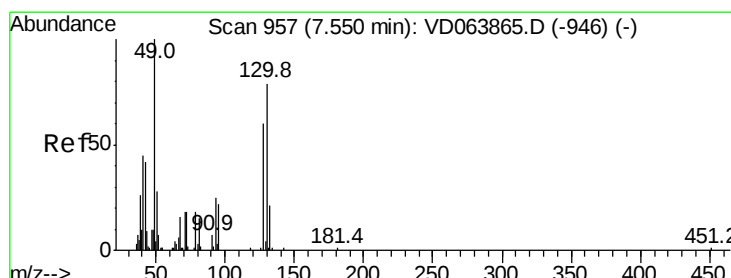
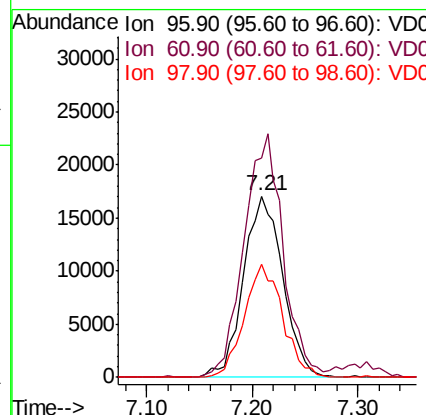
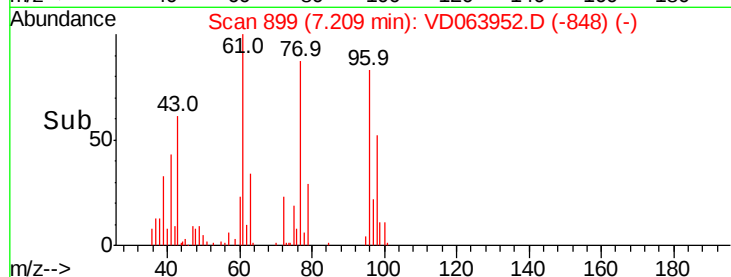
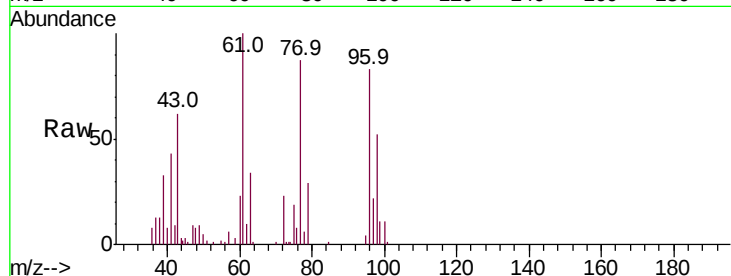
Lab File: VD063952.D

Acq: 14 Oct 2019 13:34

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 96 Resp: 44082

Ion	Ratio	Lower	Upper
96	100		
61	133.5	0.0	280.0
98	60.7	0.0	130.4



#28

Bromochloromethane

Concen: 19.372 ug/l

RT: 7.54 min Scan# 956

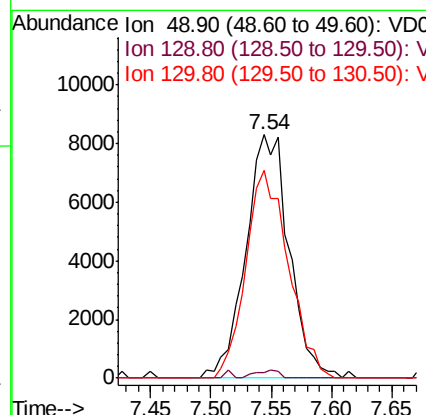
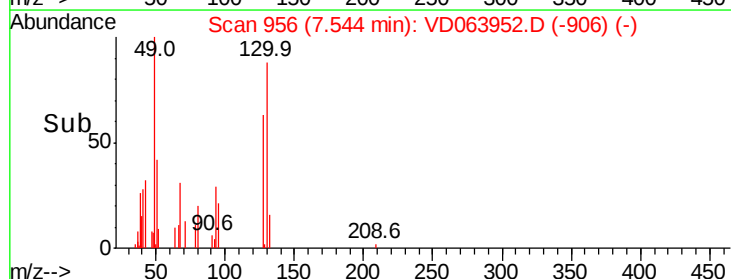
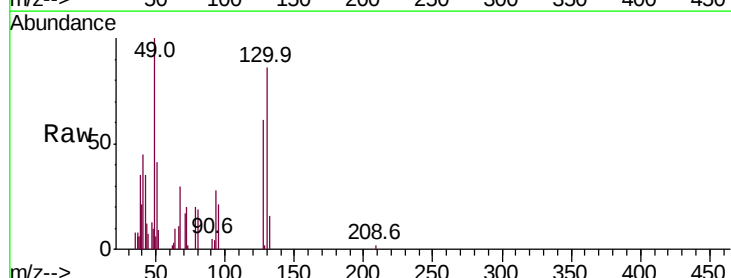
Delta R.T. -0.01 min

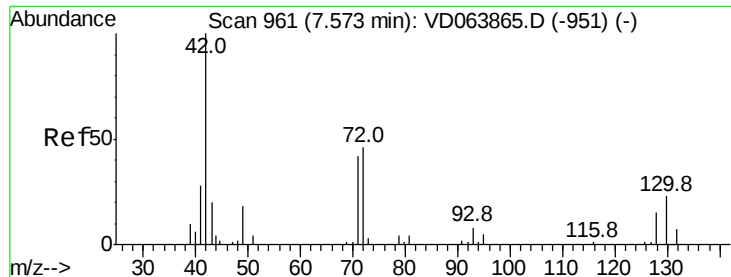
Lab File: VD063952.D

Acq: 14 Oct 2019 13:34

Tgt Ion: 49 Resp: 20792

Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	5.6
130	83.8	66.8	100.2

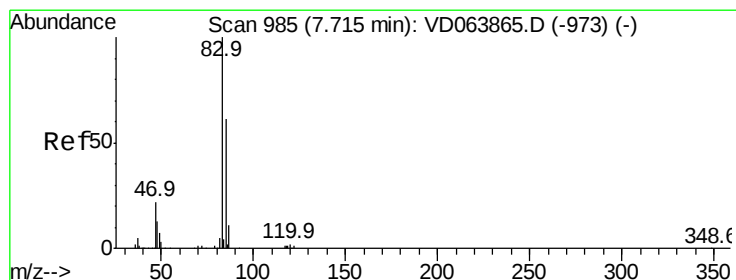
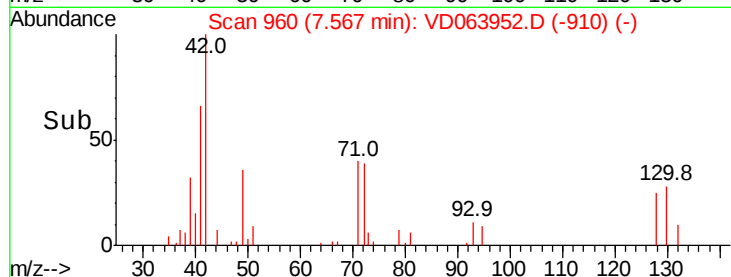
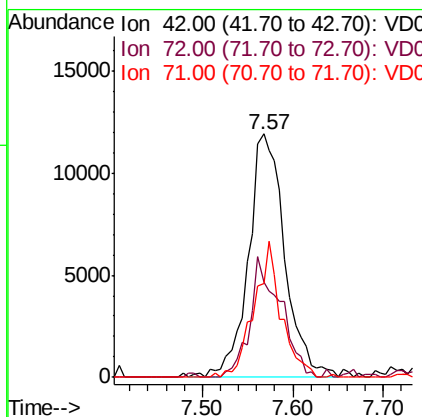
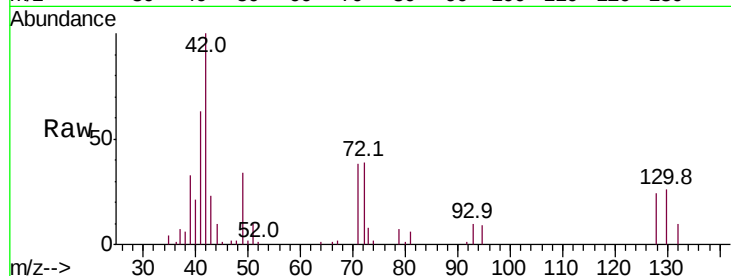




#29
Tetrahydrofuran
Concen: 110.474 ug/l
RT: 7.57 min Scan# 960
Delta R.T. -0.01 min
Lab File: VD063952.D
Acq: 14 Oct 2019 13:34

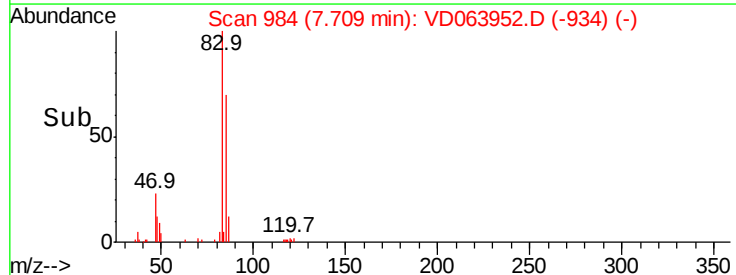
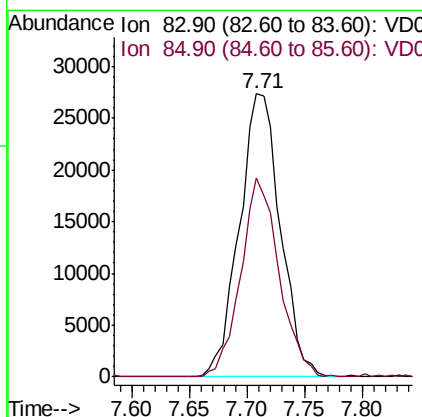
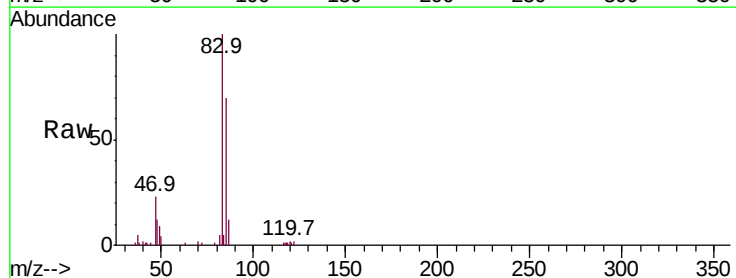
Instrument :
MSVOA_D
ClientSampleId :

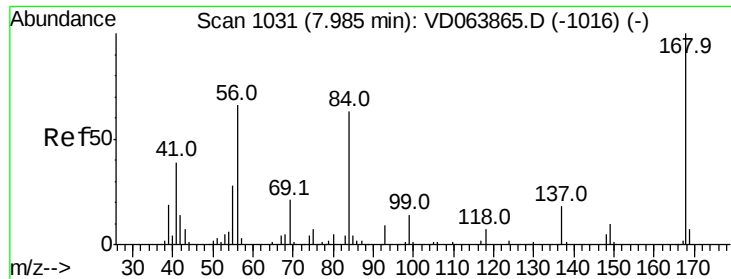
Tot Ion: 42 Resp: 33231
Ion Ratio Lower Upper
42 100
72 41.4 37.6 56.4
71 41.6 35.0 52.6



#30
Chloroform
Concen: 20.738 ug/l
RT: 7.71 min Scan# 984
Delta R.T. -0.01 min
Lab File: VD063952.D
Acq: 14 Oct 2019 13:34

Tgt Ion: 83 Resp: 67732
Ion Ratio Lower Upper
83 100
85 70.3 48.9 73.3

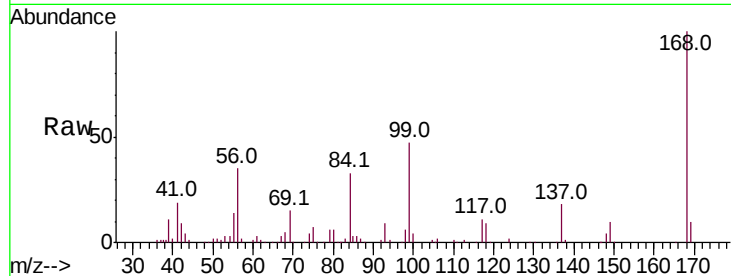




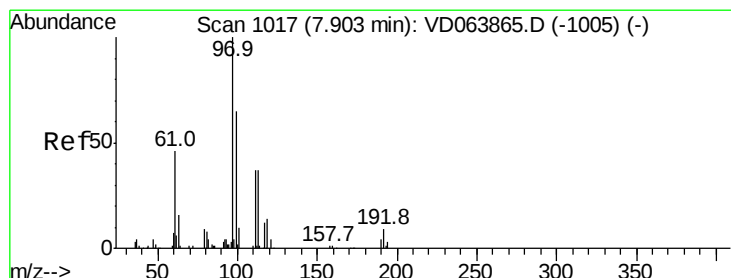
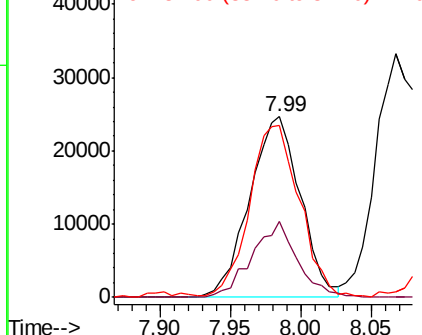
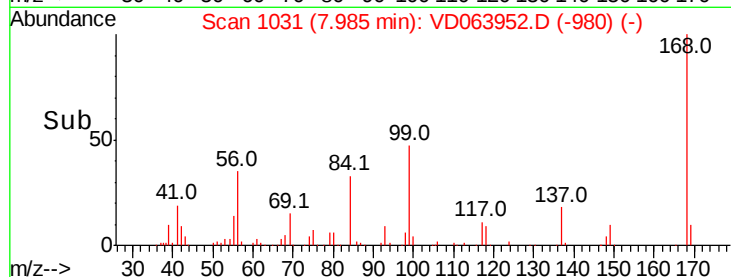
#31
Cyclohexane
Concen: 22.810 ug/l
RT: 7.99 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD063952.D
Acq: 14 Oct 2019 13:34

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 56 Resp: 62107
Ion Ratio Lower Upper
56 100
69 41.0 25.0 37.4#
84 93.4 76.3 114.5

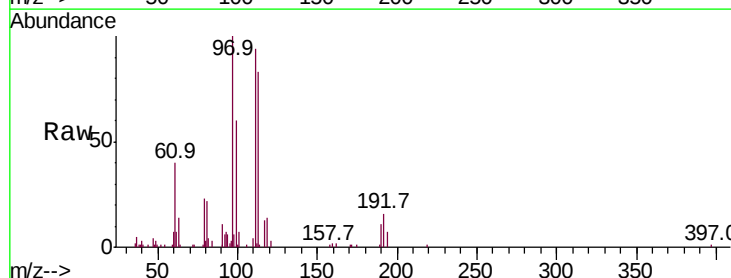


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

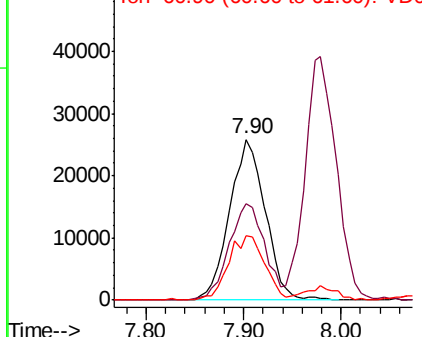
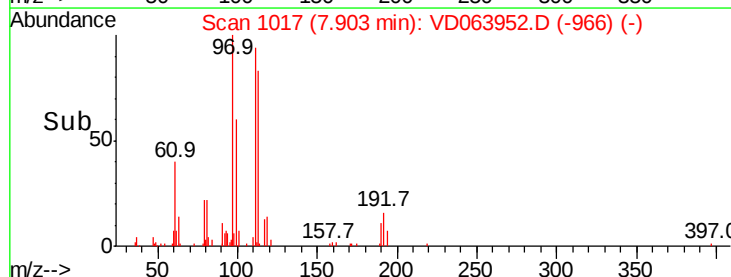


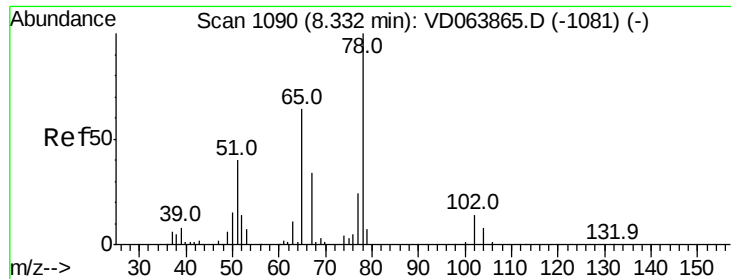
#32
1,1,1-Trichloroethane
Concen: 23.318 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. -0.00 min
Lab File: VD063952.D
Acq: 14 Oct 2019 13:34

Tgt Ion: 97 Resp: 65331
Ion Ratio Lower Upper
97 100
99 59.8 52.4 78.6
61 40.5 33.8 50.8



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: 51.745 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. -0.00 min

Lab File: VD063952.D

Acq: 14 Oct 2019 13:34

Instrument :

MSVOA_D

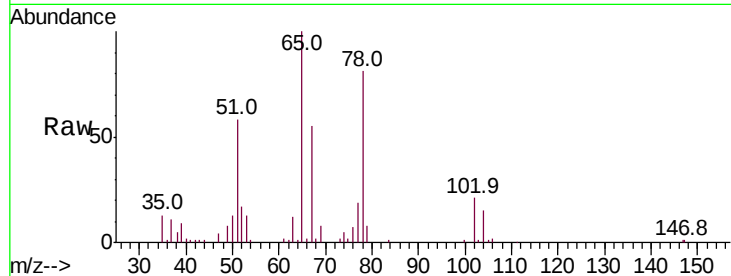
ClientSampleId :

Tot Ion: 65 Resp: 86427

Ion Ratio Lower Upper

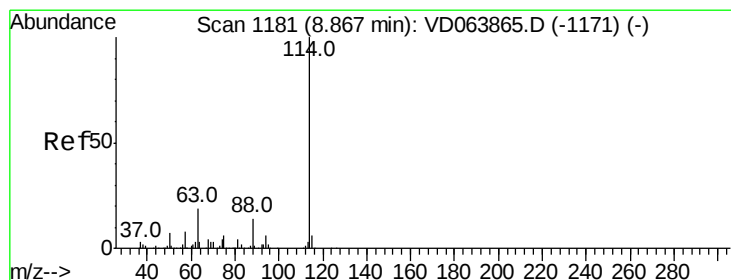
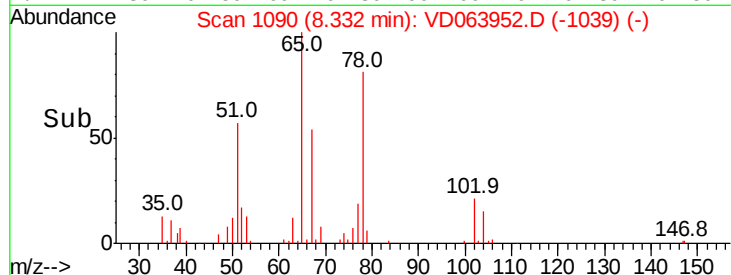
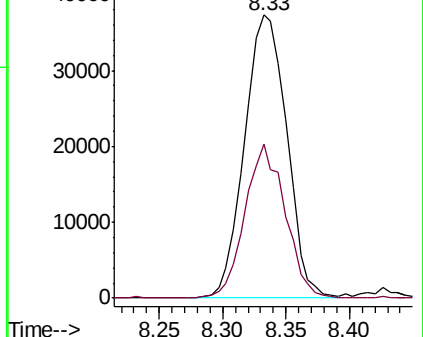
65 100

67 51.7 0.0 106.4



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. -0.00 min

Lab File: VD063952.D

Acq: 14 Oct 2019 13:34

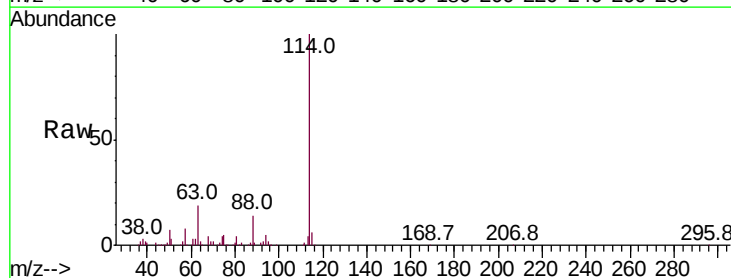
Tgt Ion: 114 Resp: 277047

Ion Ratio Lower Upper

114 100

63 19.1 0.0 38.4

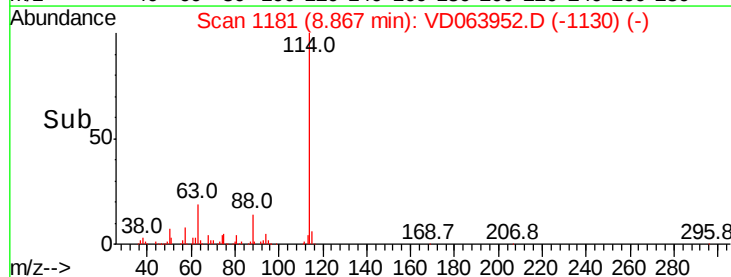
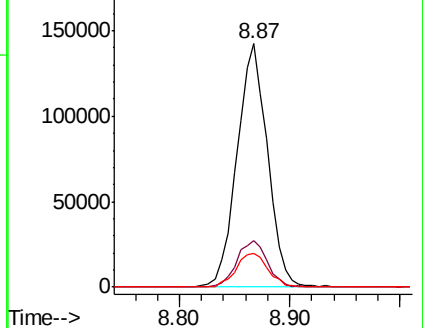
88 13.8 0.0 27.4

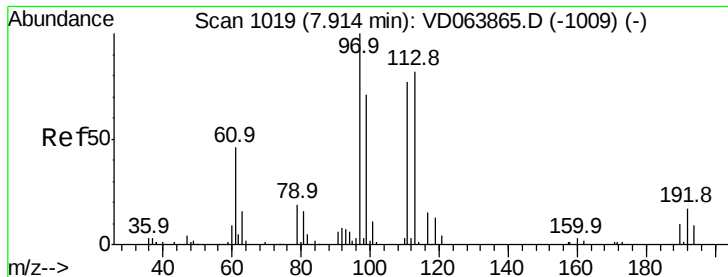


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 52.569 ug/l

RT: 7.92 min Scan# 1020

Delta R.T. 0.01 min

Lab File: VD063952.D

Acq: 14 Oct 2019 13:34

Instrument :

MSVOA_D

ClientSampled :

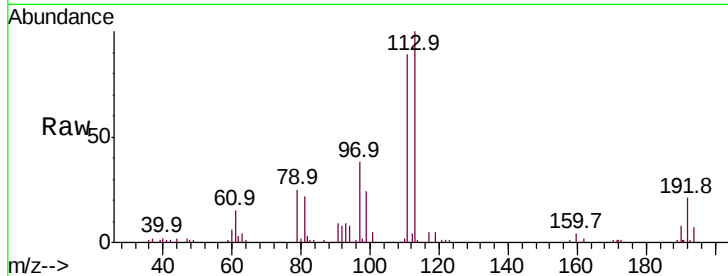
Tot Ion:113 Resp: 89006

Ion Ratio Lower Upper

113 100

111 101.0 82.6 123.8

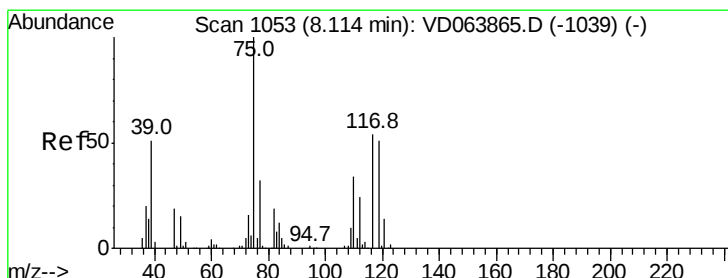
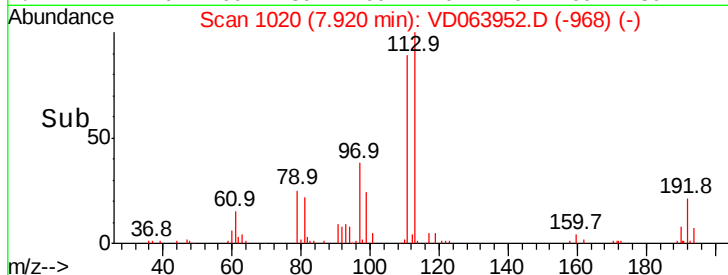
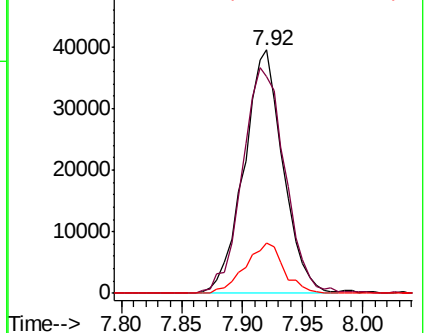
192 20.3 17.1 25.7



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 22.566 ug/l

RT: 8.11 min Scan# 1053

Delta R.T. -0.00 min

Lab File: VD063952.D

Acq: 14 Oct 2019 13:34

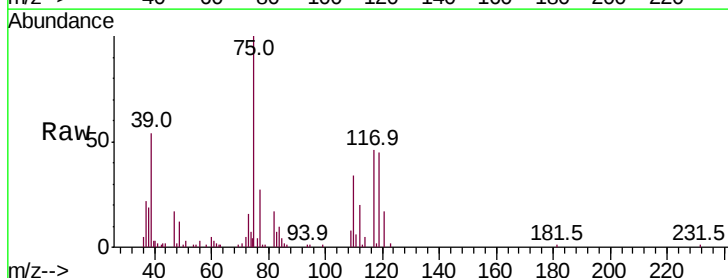
Tgt Ion: 75 Resp: 57161

Ion Ratio Lower Upper

75 100

110 35.5 17.4 52.3

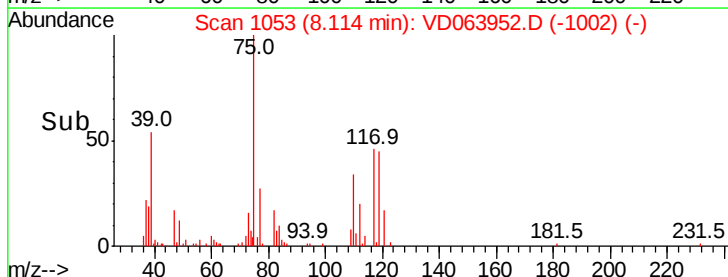
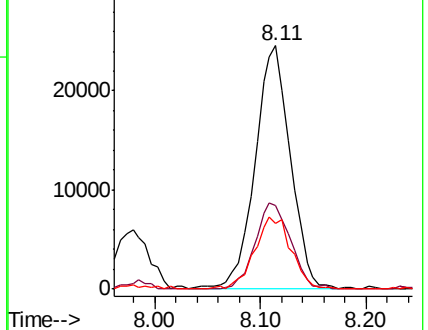
77 30.7 25.4 38.0

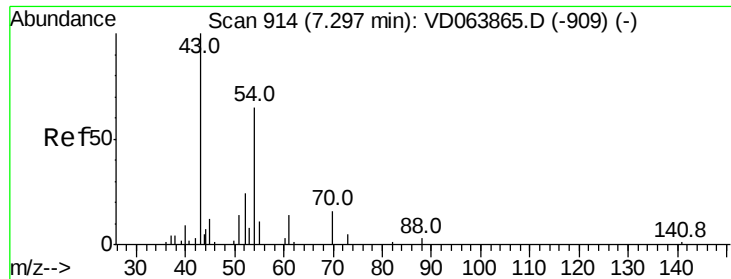


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

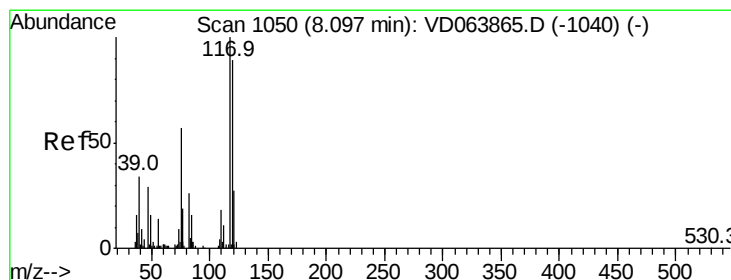
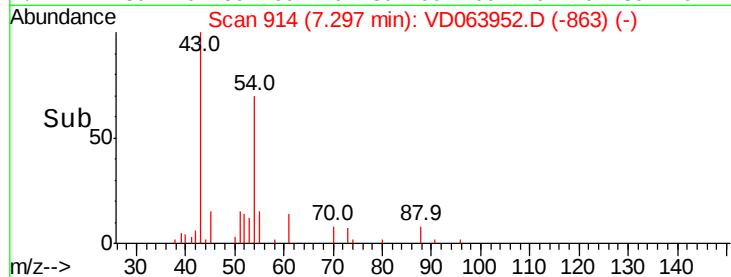
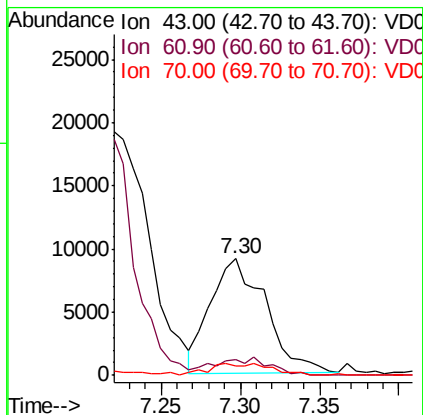
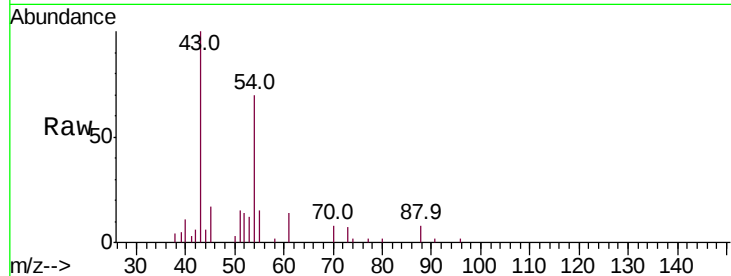




#37
Ethyl Acetate
Concen: 19.497 ug/l
RT: 7.30 min Scan# 914
Delta R.T. 0.00 min
Lab File: VD063952.D
Acq: 14 Oct 2019 13:34

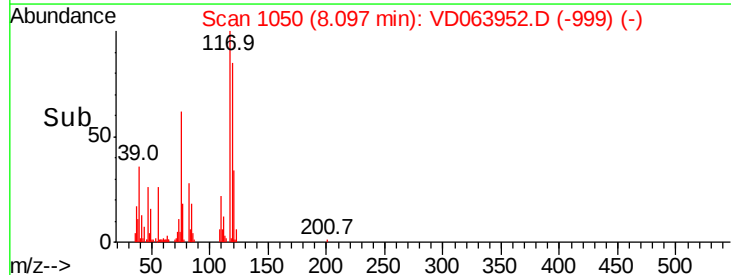
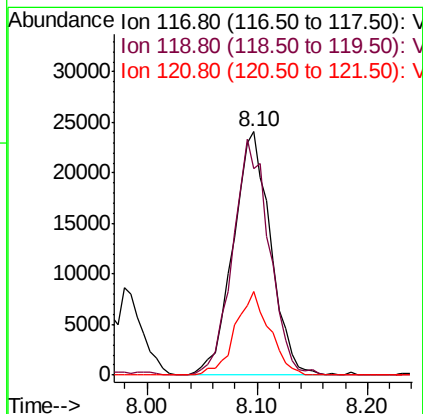
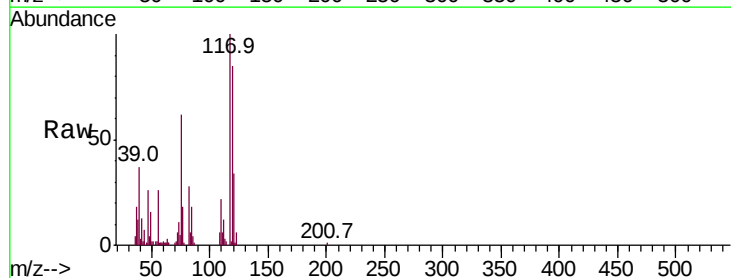
Instrument :
MSVOA_D
ClientSampleId :

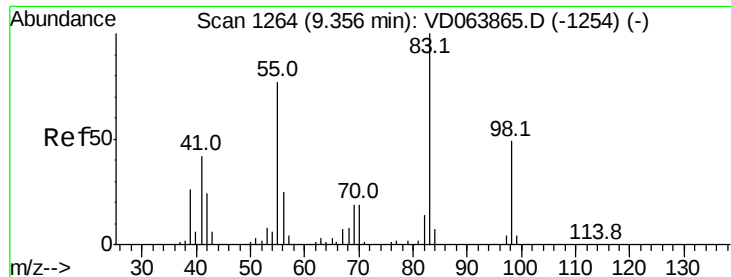
Tot Ion: 43 Resp: 22275
Ion Ratio Lower Upper
43 100
61 14.4 11.5 17.3
70 11.0 8.2 12.4



#38
Carbon Tetrachloride
Concen: 22.450 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VD063952.D
Acq: 14 Oct 2019 13:34

Tgt Ion: 117 Resp: 57468
Ion Ratio Lower Upper
117 100
119 84.8 70.8 106.2
121 34.5 21.4 32.0#

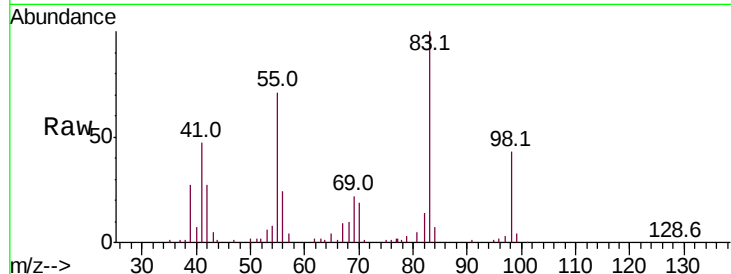




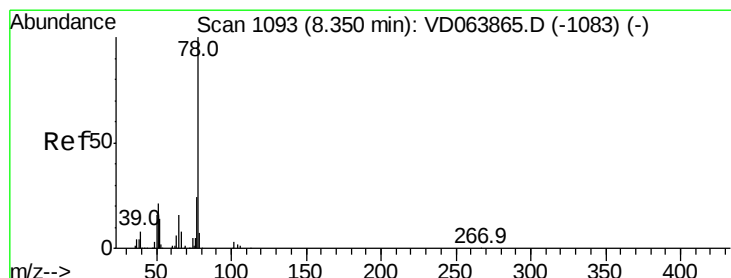
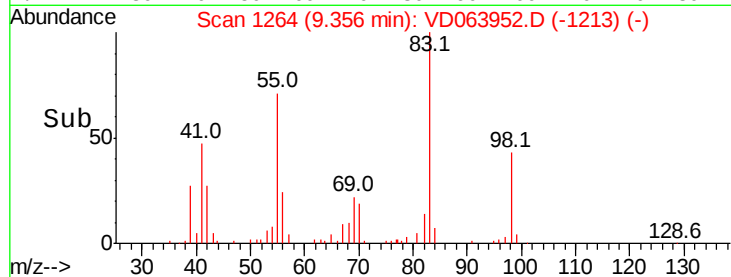
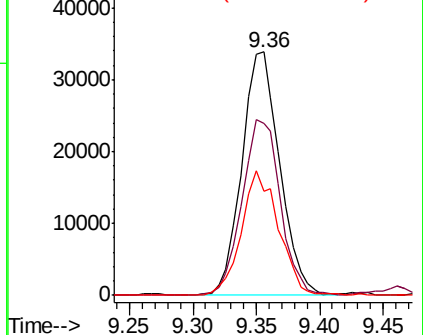
#39
Methvlcvclohexane
Concen: 22.579 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VD063952.D
Acq: 14 Oct 2019 13:34

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 83 Resp: 70324
Ion Ratio Lower Upper
83 100
55 70.6 61.3 91.9
98 42.9 39.3 58.9

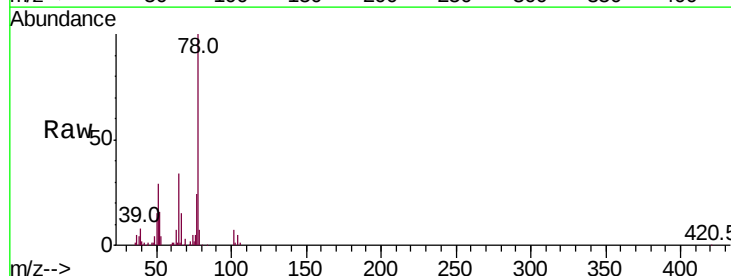


Abundance Ion 83.00 (82.70 to 83.70): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.00 (97.70 to 98.70): VDC

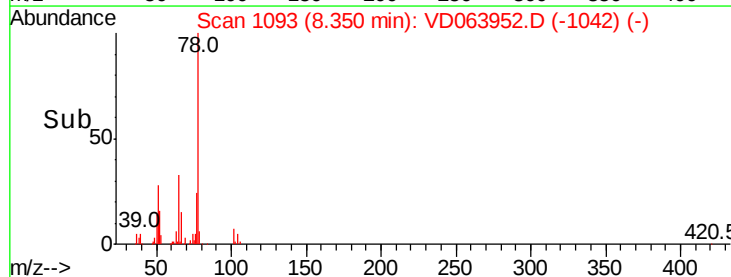
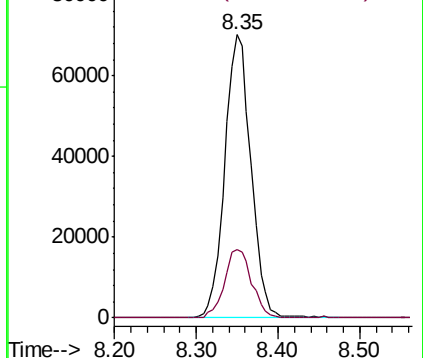


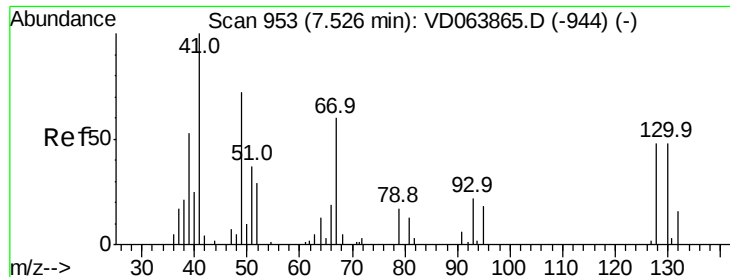
#40
Benzene
Concen: 21.513 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. -0.00 min
Lab File: VD063952.D
Acq: 14 Oct 2019 13:34

Tgt Ion: 78 Resp: 156165
Ion Ratio Lower Upper
78 100
77 24.3 19.0 28.6



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

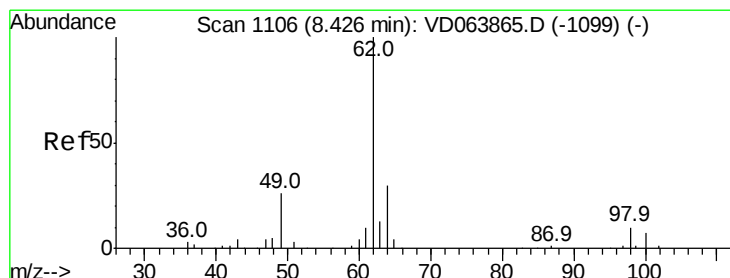
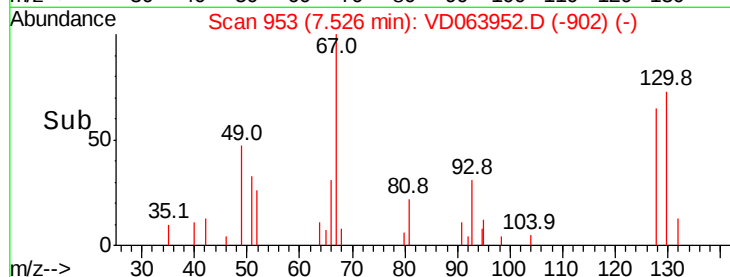
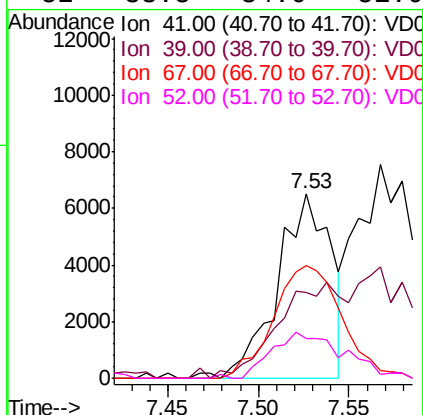
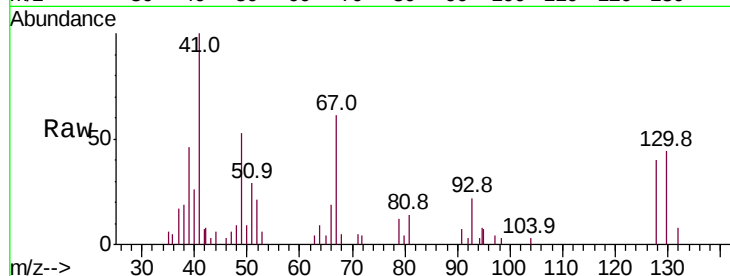




#41
Methacrylonitrile
Concen: 22.811 ug/l
RT: 7.53 min Scan# 953
Delta R.T. -0.00 min
Lab File: VD063952.D
Acq: 14 Oct 2019 13:34

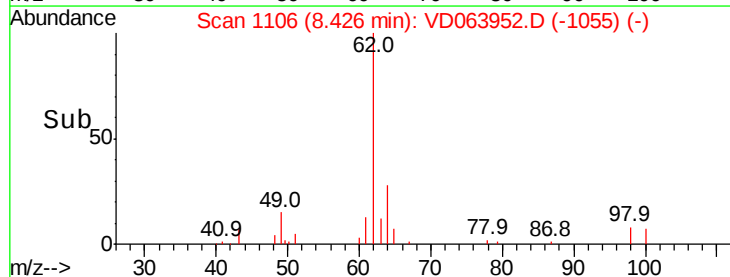
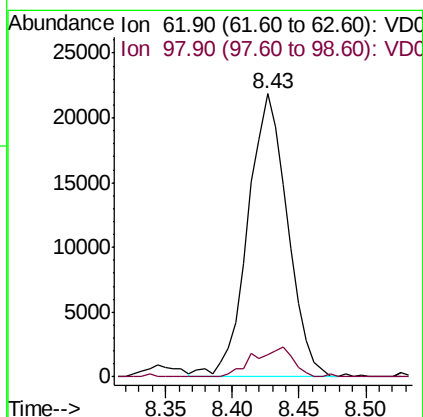
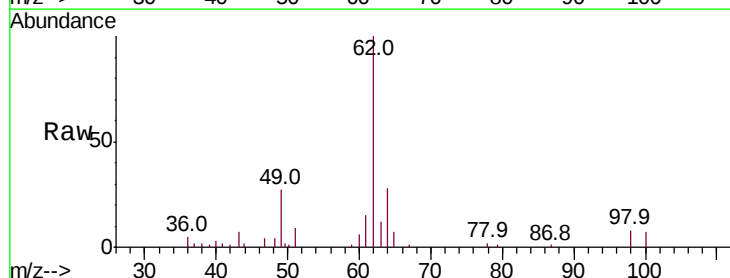
Instrument :
MSVOA_D
ClientSampled :

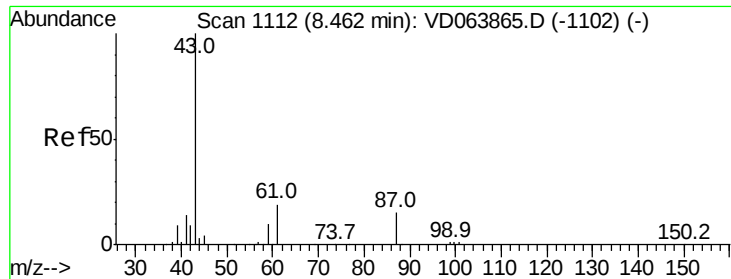
Tot Ion: 41 Resp: 13397
Ion Ratio Lower Upper
41 100
39 65.3 52.6 78.8
67 77.8 74.2 111.2
52 33.8 34.0 51.0#



#42
1,2-Dichloroethane
Concen: 21.387 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. -0.00 min
Lab File: VD063952.D
Acq: 14 Oct 2019 13:34

Tgt Ion: 62 Resp: 44908
Ion Ratio Lower Upper
62 100
98 10.6 0.0 20.0





#43

Isopropyl Acetate

Concen: 20.446 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. -0.01 min

Lab File: VD063952.D

Acq: 14 Oct 2019 13:34

Instrument :

MSVOA_D

ClientSampleId :

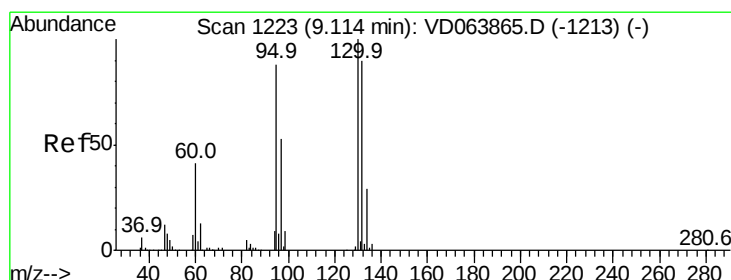
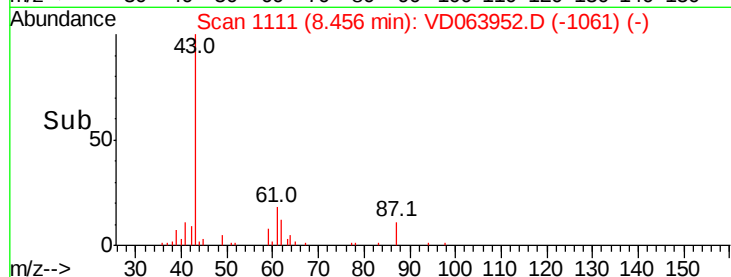
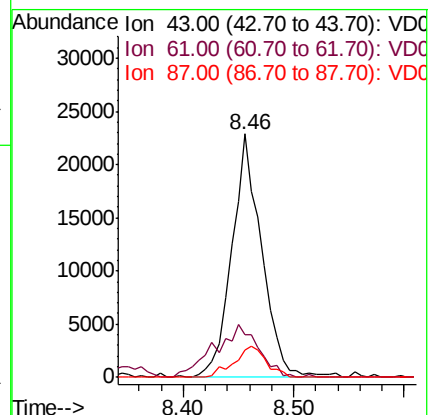
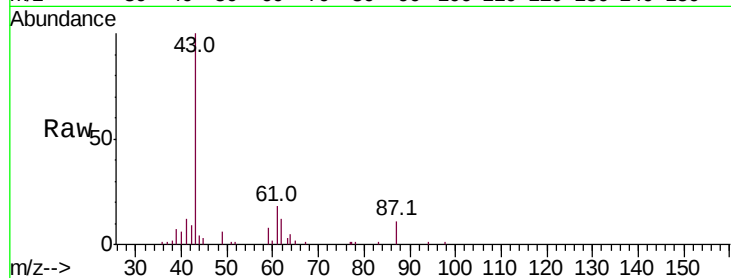
Tot Ion: 43 Resp: 43435

Ion Ratio Lower Upper

43 100

61 31.7 25.7 38.5

87 13.6 11.6 17.4



#44

Trichloroethene

Concen: 22.033 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. -0.00 min

Lab File: VD063952.D

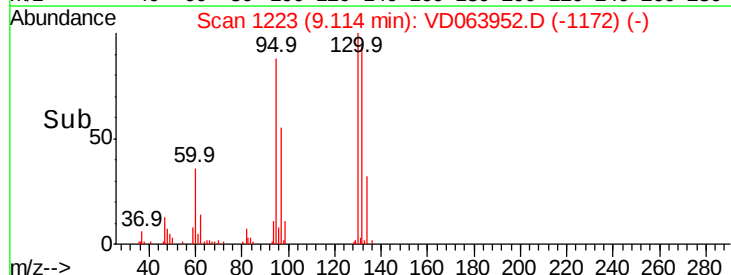
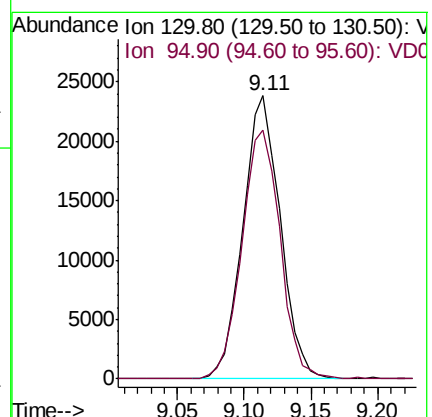
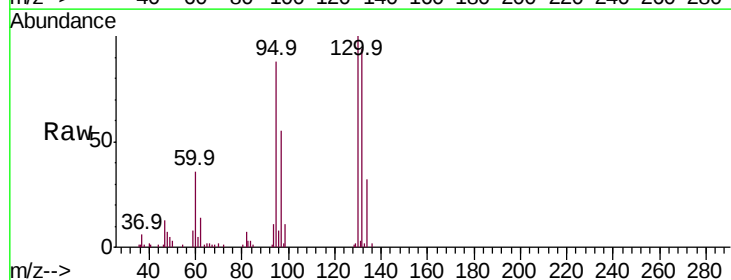
Acq: 14 Oct 2019 13:34

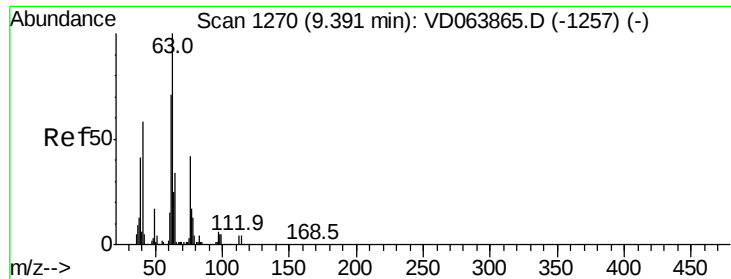
Tgt Ion:130 Resp: 46121

Ion Ratio Lower Upper

130 100

95 88.1 0.0 175.6

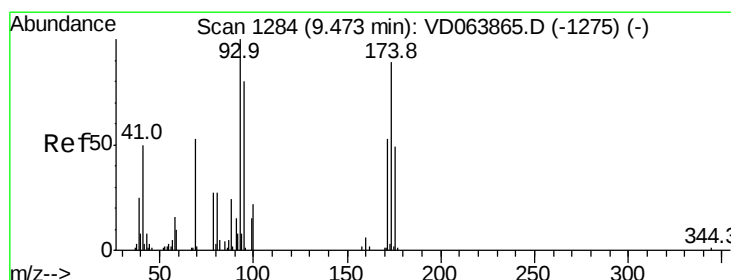
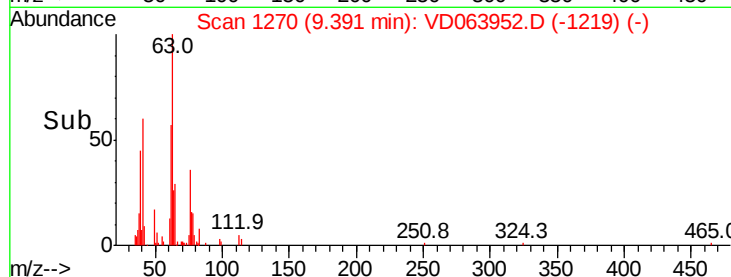
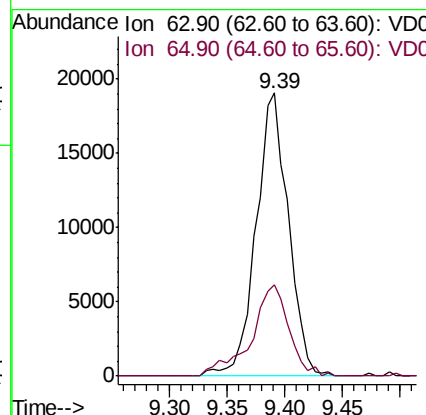
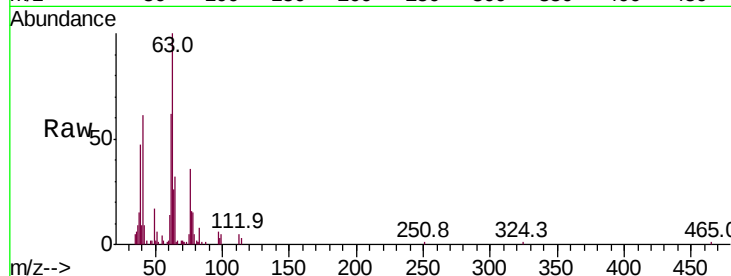




#45
 1,2-Dichloropropane
 Concen: 20.970 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VD063952.D
 Acq: 14 Oct 2019 13:34

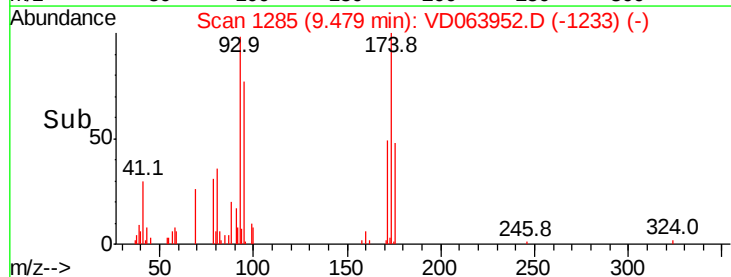
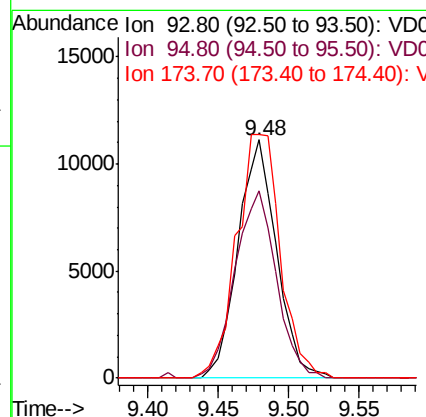
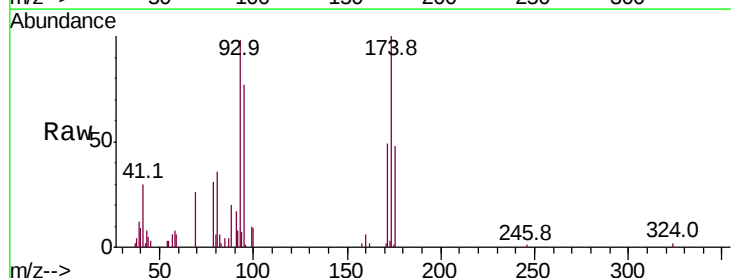
Instrument :
 MSVOA_D
 ClientSampleId :

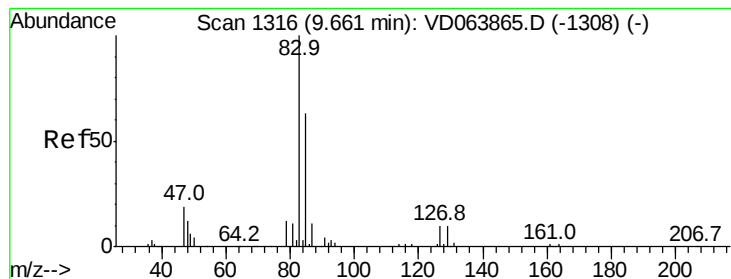
Tot Ion: 63 Resp: 37260
 Ion Ratio Lower Upper
 63 100
 65 32.4 27.3 40.9



#46
 Dibromomethane
 Concen: 20.949 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. 0.01 min
 Lab File: VD063952.D
 Acq: 14 Oct 2019 13:34

Tgt Ion: 93 Resp: 21198
 Ion Ratio Lower Upper
 93 100
 95 84.3 66.0 99.0
 174 116.4 83.4 125.0





#47

Bromodichloromethane

Concen: 20.296 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. 0.01 min

Lab File: VD063952.D

Acq: 14 Oct 2019 13:34

Instrument :

MSVOA_D

ClientSampleId :

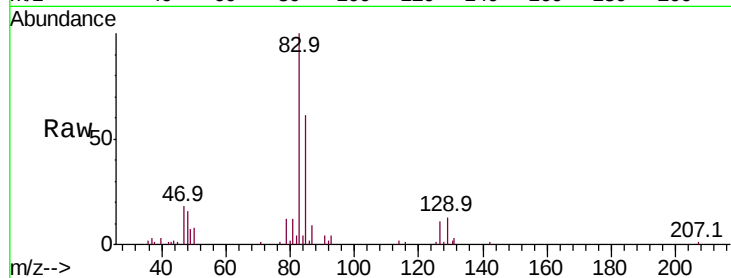
Tot Ion: 83 Resp: 52876

Ion Ratio Lower Upper

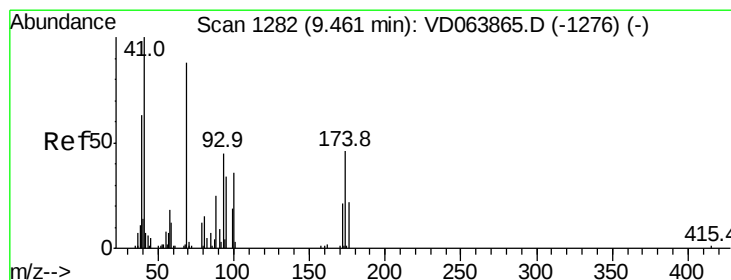
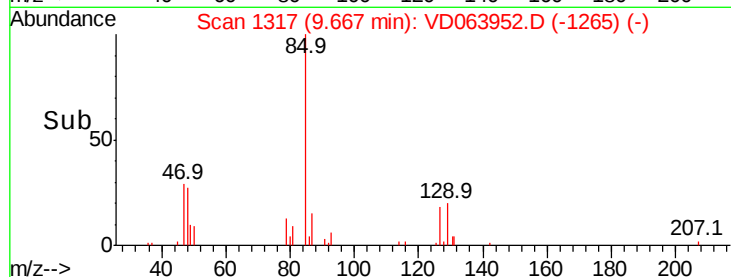
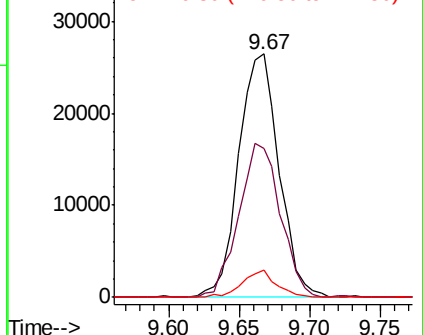
83 100

85 61.2 50.2 75.2

127 11.3 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: 18.892 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. -0.00 min

Lab File: VD063952.D

Acq: 14 Oct 2019 13:34

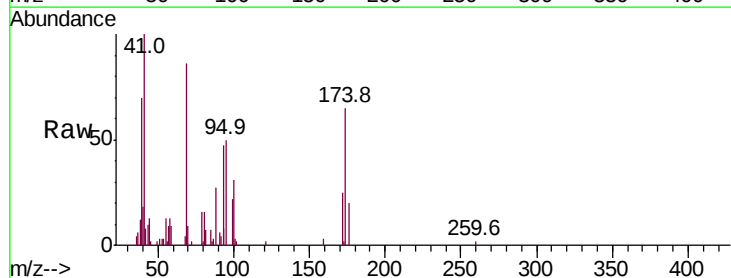
Tgt Ion: 41 Resp: 19229

Ion Ratio Lower Upper

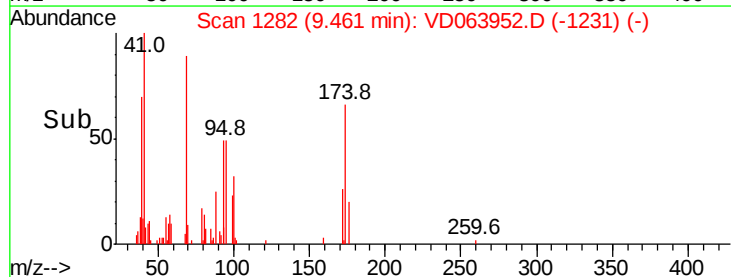
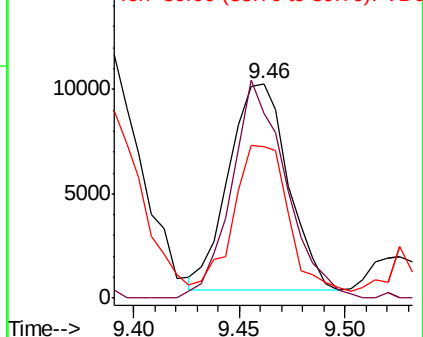
41 100

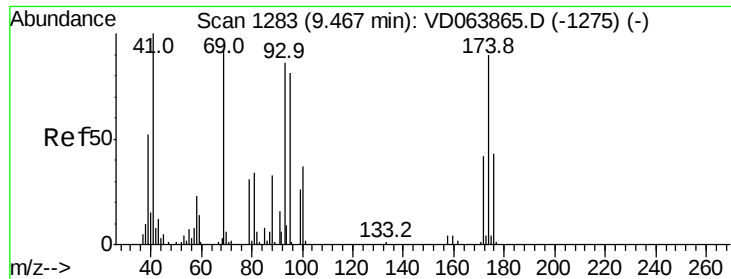
69 97.0 75.1 112.7

39 72.7 50.2 75.2



Abundance Ion 41.00 (40.70 to 41.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 39.00 (38.70 to 39.70): VDC

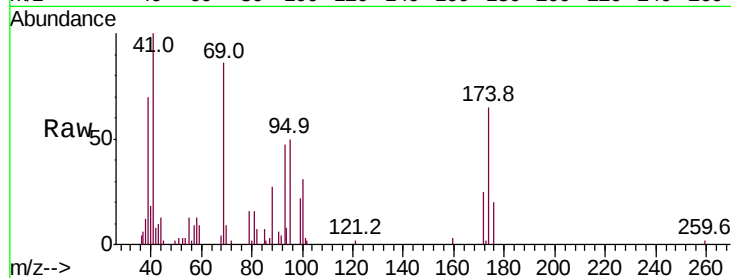




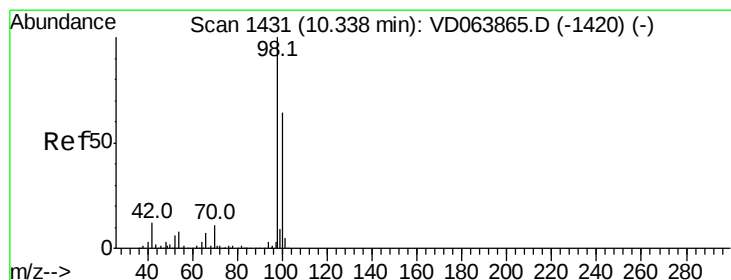
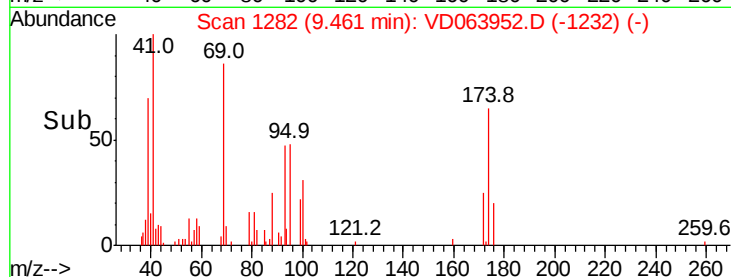
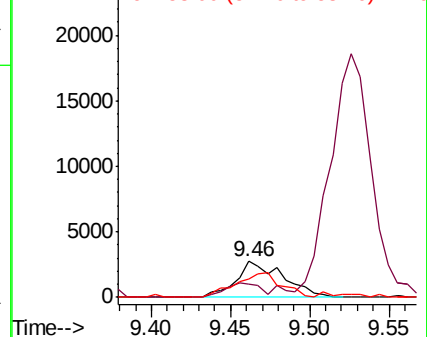
#49
1,4-Dioxane
Concen: 410.357 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. -0.01 min
Lab File: VD063952.D
Acq: 14 Oct 2019 13:34

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 88 Resp: 5668
Ion Ratio Lower Upper
88 100
43 29.4 27.6 41.4
58 64.5 54.1 81.1

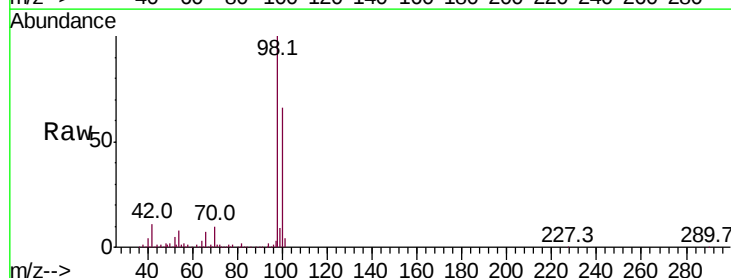


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.00 (42.70 to 43.70): VDC
Ion 58.00 (57.70 to 58.70): VDC

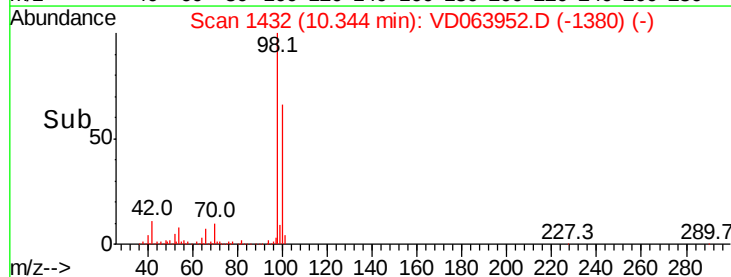
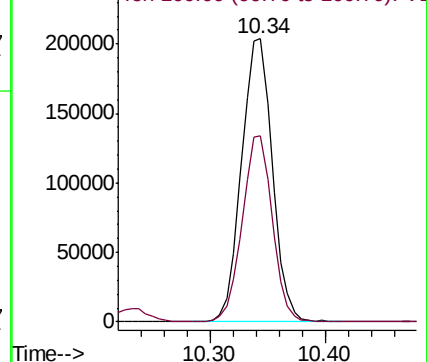


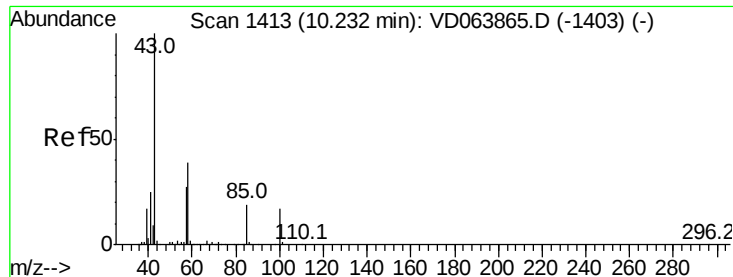
#50
Toluene-d8
Concen: 54.857 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.01 min
Lab File: VD063952.D
Acq: 14 Oct 2019 13:34

Tgt Ion: 98 Resp: 376986
Ion Ratio Lower Upper
98 100
100 64.3 52.1 78.1



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: 105.305 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. -0.00 min

Lab File: VD063952.D

Acq: 14 Oct 2019 13:34

Instrument :

MSVOA_D

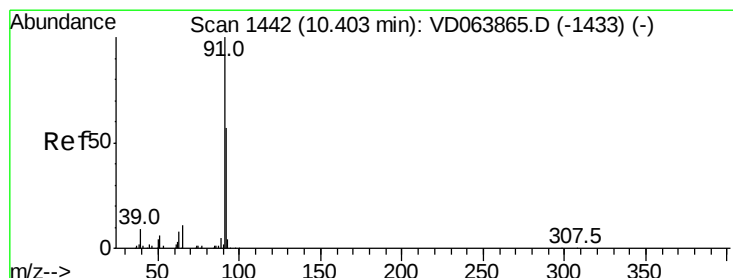
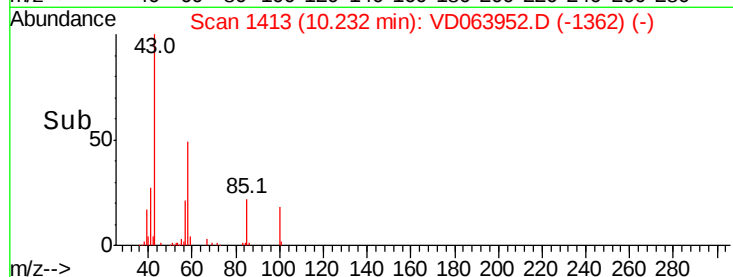
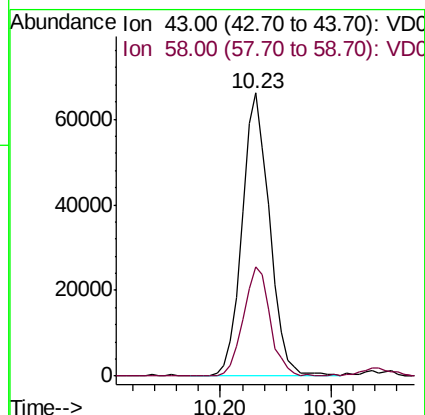
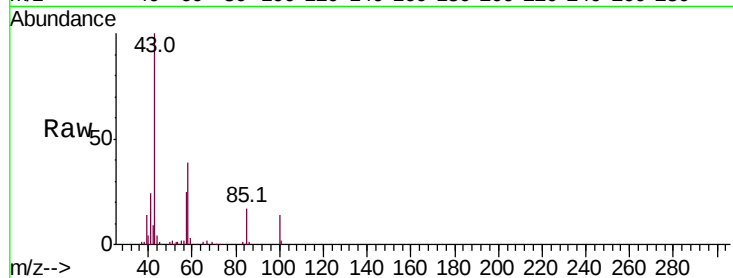
ClientSampleId :

Tot Ion: 43 Resp: 116018

Ion Ratio Lower Upper

43 100

58 37.5 33.0 49.4



#52

Toluene

Concen: 21.585 ug/l

RT: 10.40 min Scan# 1442

Delta R.T. -0.00 min

Lab File: VD063952.D

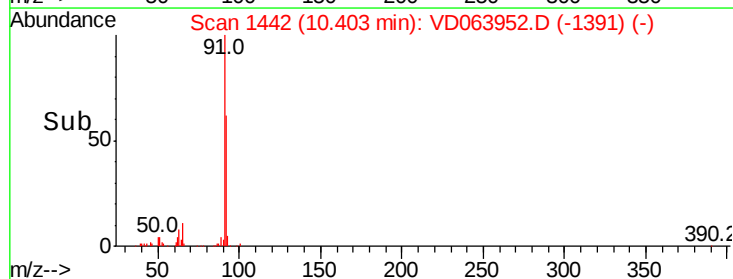
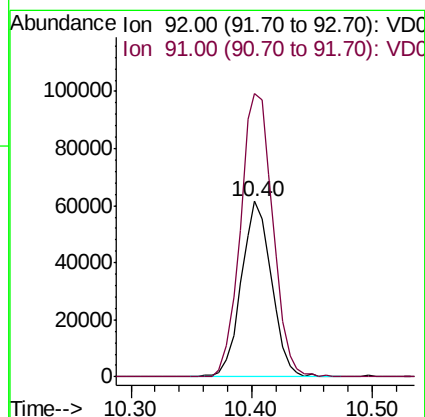
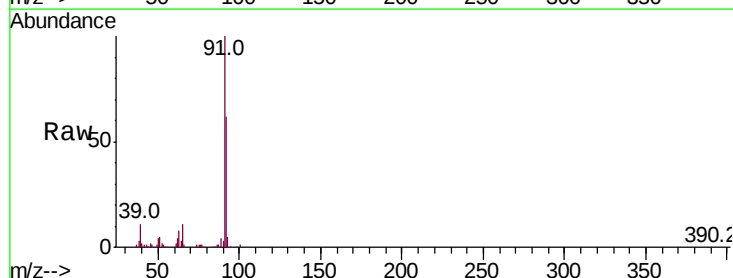
Acq: 14 Oct 2019 13:34

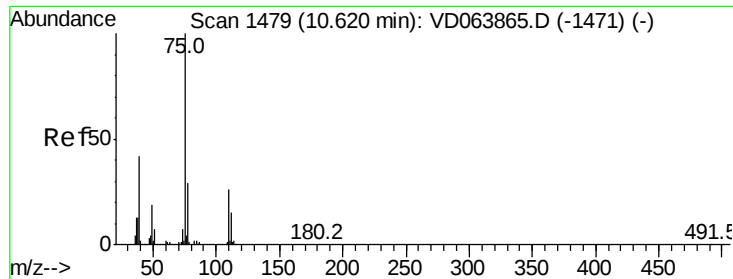
Tgt Ion: 92 Resp: 107562

Ion Ratio Lower Upper

92 100

91 173.0 139.5 209.3

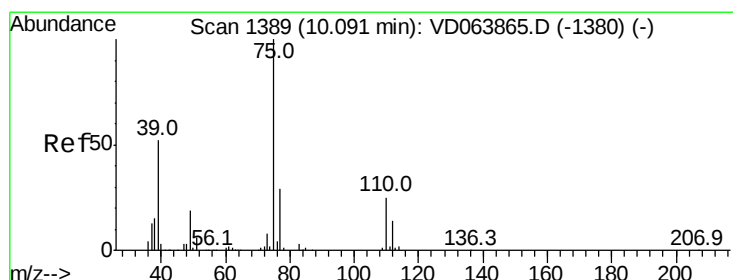
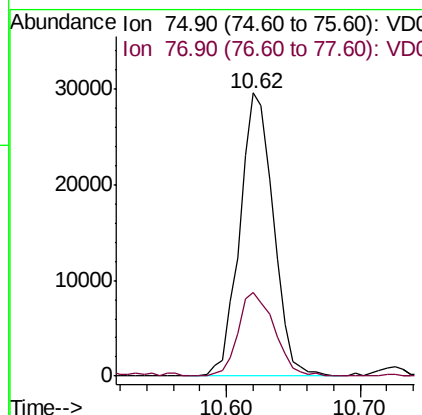
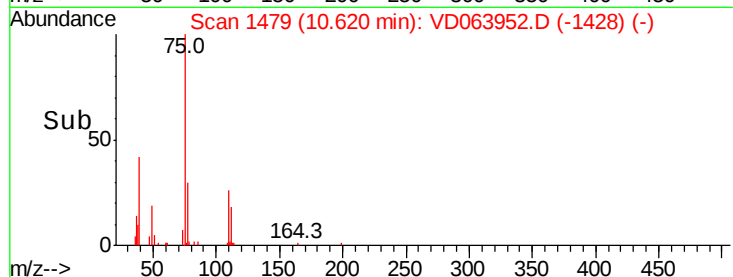
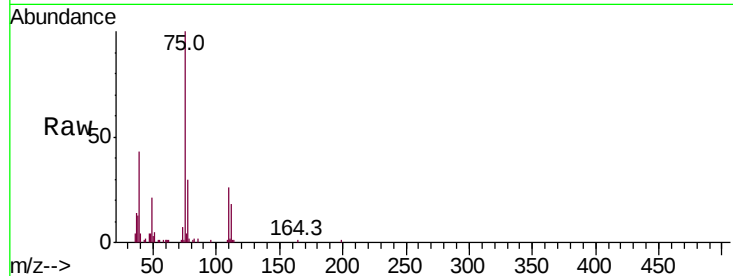




#53
 t-1,3-Dichloropropene
 Concen: 20.254 ug/l
 RT: 10.62 min Scan# 1479
 Delta R.T. -0.00 min
 Lab File: VD063952.D
 Acq: 14 Oct 2019 13:34

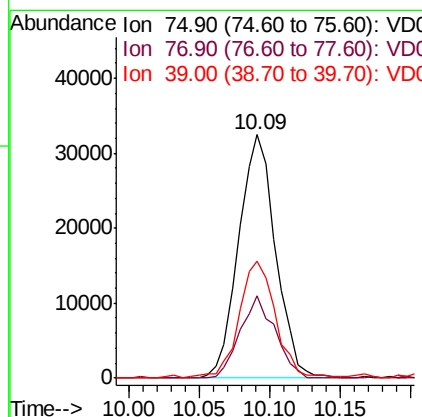
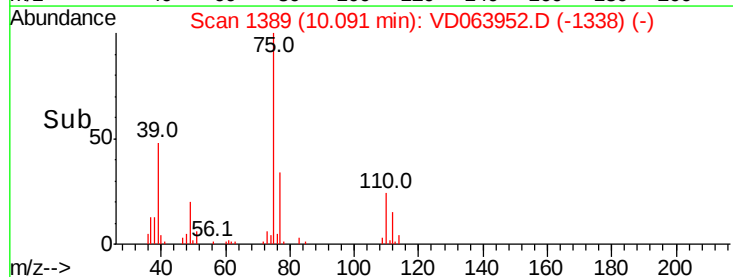
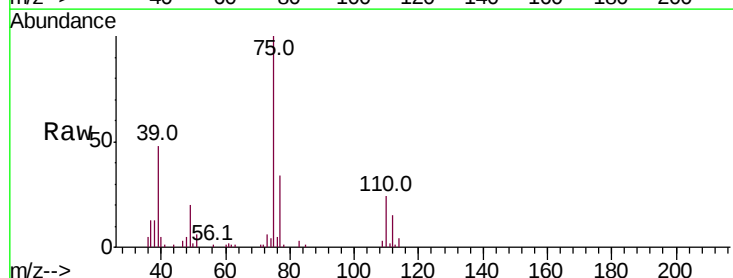
Instrument :
 MSVOA_D
 ClientSampleId :

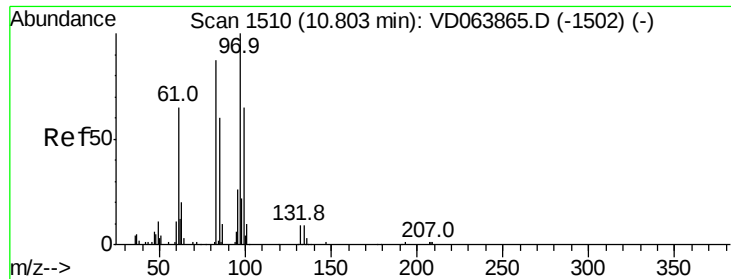
Tot Ion: 75 Resp: 51490
 Ion Ratio Lower Upper
 75 100
 77 29.7 22.8 34.2



#54
 cis-1,3-Dichloropropene
 Concen: 20.329 ug/l
 RT: 10.09 min Scan# 1389
 Delta R.T. -0.00 min
 Lab File: VD063952.D
 Acq: 14 Oct 2019 13:34

Tgt Ion: 75 Resp: 59491
 Ion Ratio Lower Upper
 75 100
 77 33.7 23.2 34.8
 39 47.6 41.5 62.3





#55

1,1,2-Trichloroethane

Concen: 21.485 ug/l

RT: 10.80 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VD063952.D

Acq: 14 Oct 2019 13:34

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 97 Resp: 30697

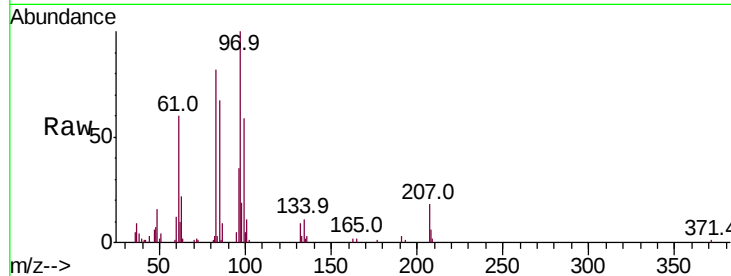
Ion	Ratio	Lower	Upper
97	100		
83	82.4	69.7	104.5
85	66.9	48.1	72.1
99	58.6	51.9	77.9

97 100

83 82.4 69.7 104.5

85 66.9 48.1 72.1

99 58.6 51.9 77.9



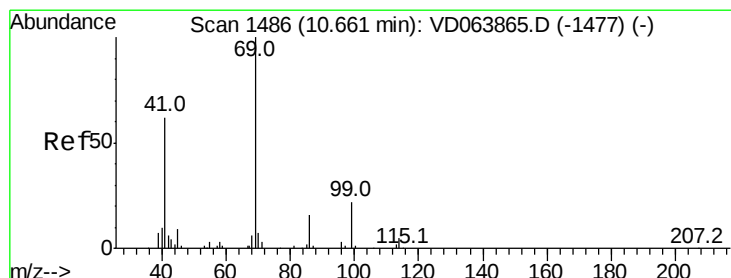
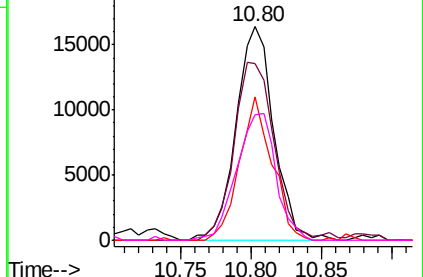
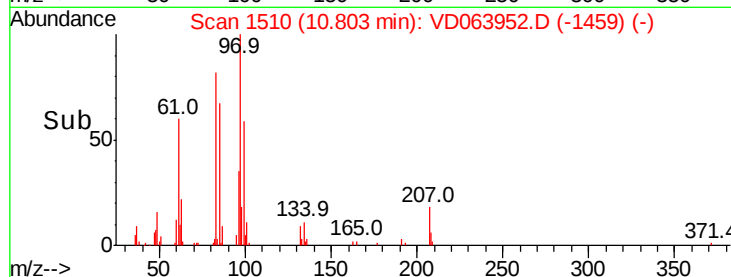
Abundance Ion 96.90 (96.60 to 97.60): VDC

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

Time-->



#56

Ethyl methacrylate

Concen: 18.994 ug/l

RT: 10.67 min Scan# 1487

Delta R.T. 0.01 min

Lab File: VD063952.D

Acq: 14 Oct 2019 13:34

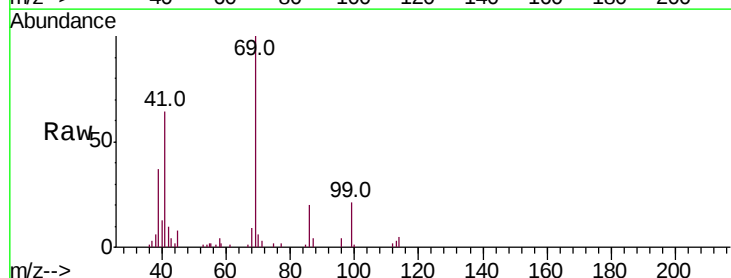
Tgt Ion: 69 Resp: 34367

Ion	Ratio	Lower	Upper
69	100		
41	67.3	51.3	76.9
39	39.4	28.0	42.0

69 100

41 67.3 51.3 76.9

39 39.4 28.0 42.0

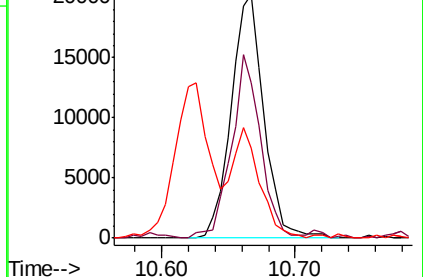
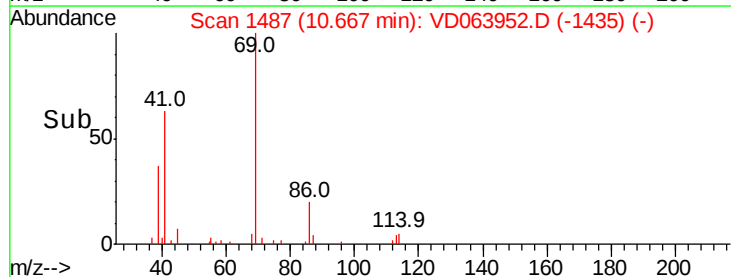


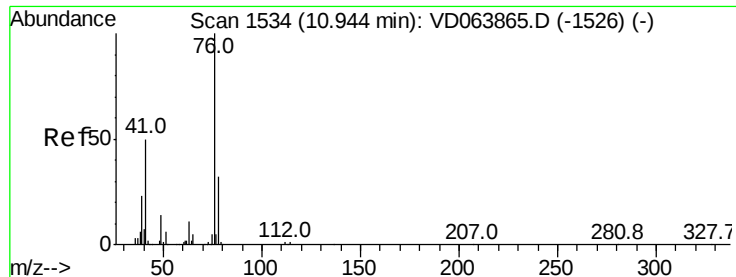
Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Time-->





#57

1,3-Dichloropropane

Concen: 19.667 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. 0.01 min

Lab File: VD063952.D

Acq: 14 Oct 2019 13:34

Instrument :

MSVOA_D

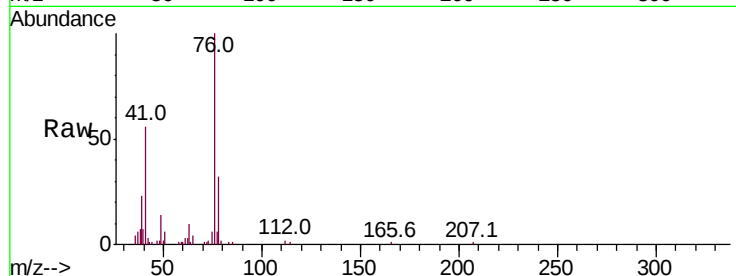
ClientSampleId :

Tot Ion: 76 Resp: 48078

Ion Ratio Lower Upper

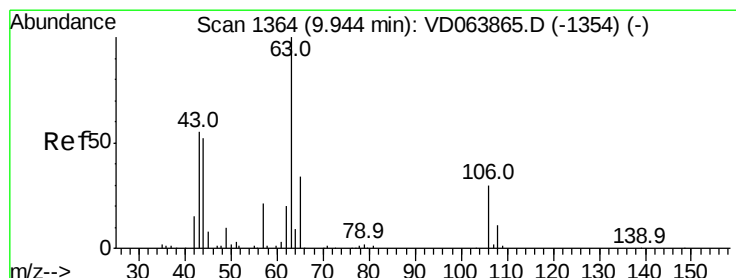
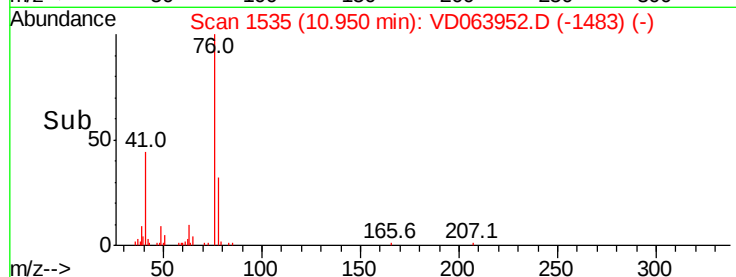
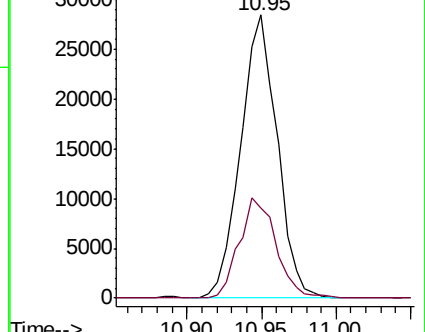
76 100

78 35.9 26.6 40.0



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 98.319 ug/l

RT: 9.94 min Scan# 1364

Delta R.T. -0.00 min

Lab File: VD063952.D

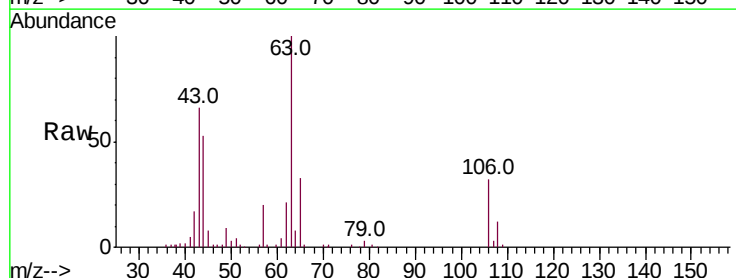
Acq: 14 Oct 2019 13:34

Tgt Ion: 63 Resp: 76464

Ion Ratio Lower Upper

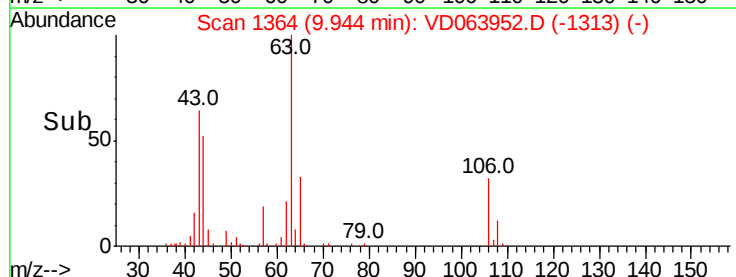
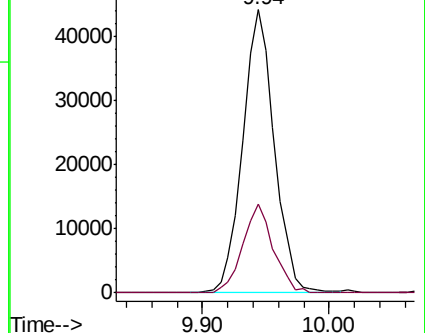
63 100

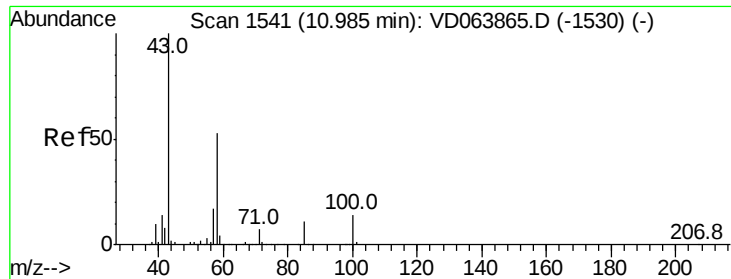
106 30.3 24.3 36.5



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 105.90 (105.60 to 106.60): VDC

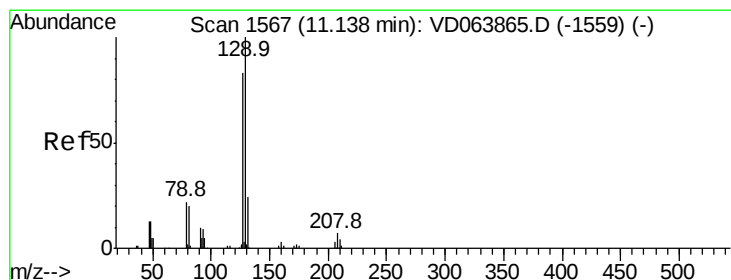
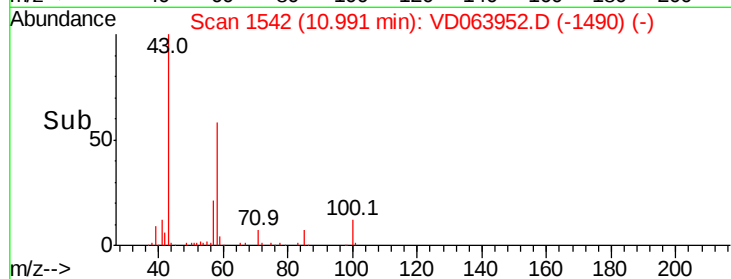
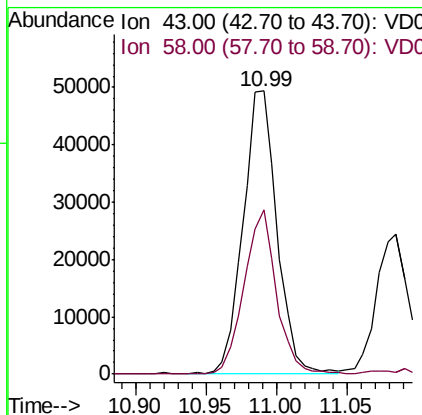
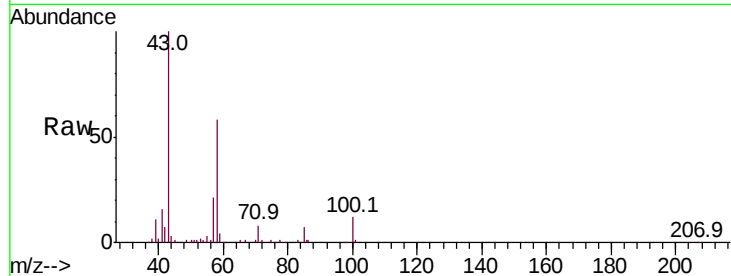




#59
2-Hexanone
Concen: 104.468 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.01 min
Lab File: VD063952.D
Acq: 14 Oct 2019 13:34

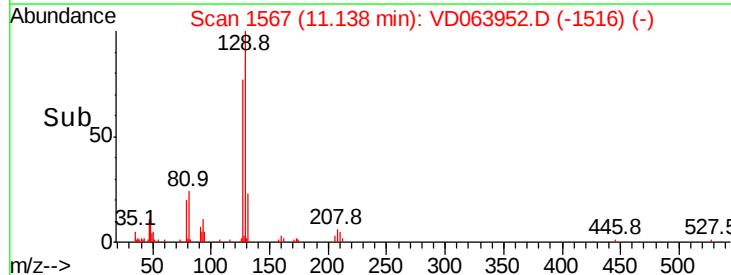
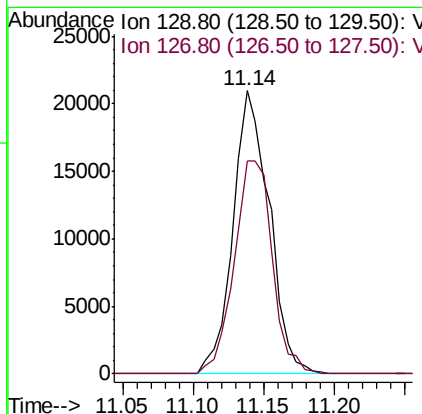
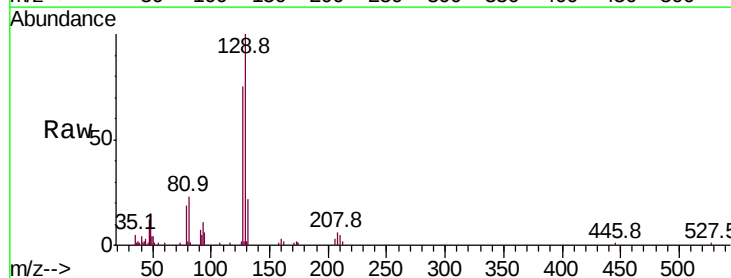
Instrument :
MSVOA_D
ClientSampled :

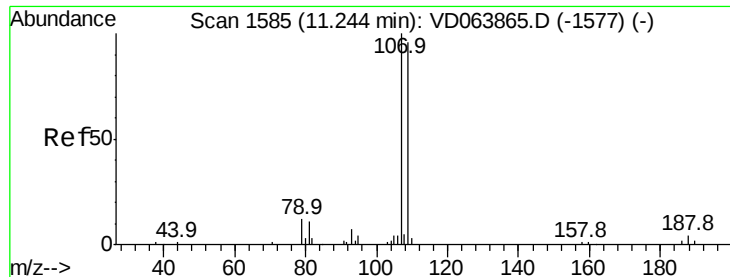
Tot Ion: 43 Resp: 83257
Ion Ratio Lower Upper
43 100
58 55.1 27.7 83.0



#60
Dibromochloromethane
Concen: 20.246 ug/l
RT: 11.14 min Scan# 1567
Delta R.T. -0.00 min
Lab File: VD063952.D
Acq: 14 Oct 2019 13:34

Tgt Ion:129 Resp: 37660
Ion Ratio Lower Upper
129 100
127 78.9 39.9 119.6

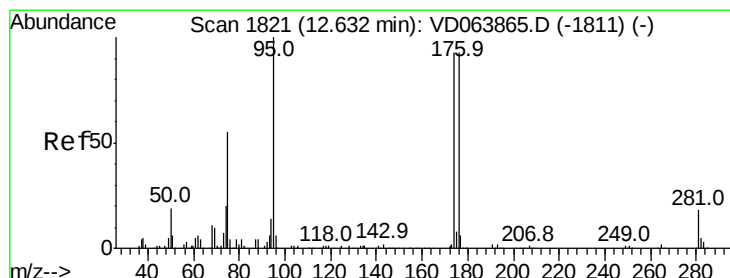
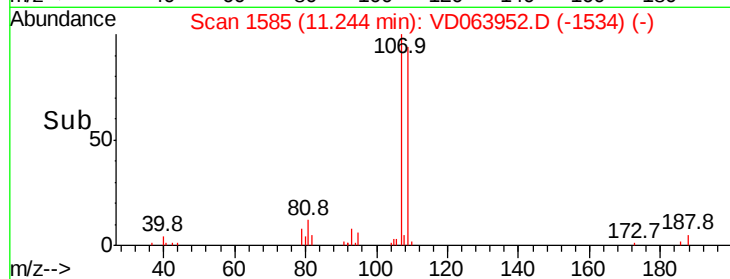
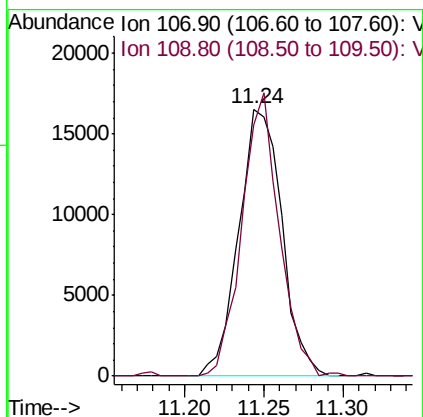
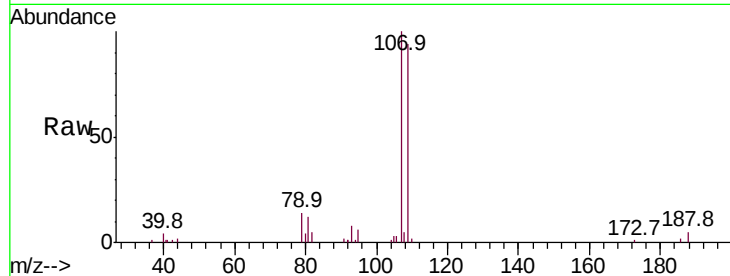




#61
 1,2-Dibromoethane
 Concen: 22.570 ug/l
 RT: 11.24 min Scan# 1585
 Delta R.T. -0.00 min
 Lab File: VD063952.D
 Acq: 14 Oct 2019 13:34

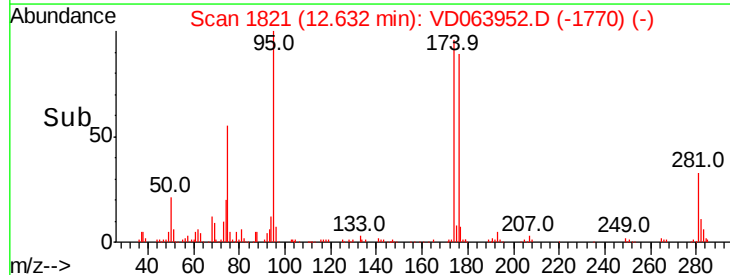
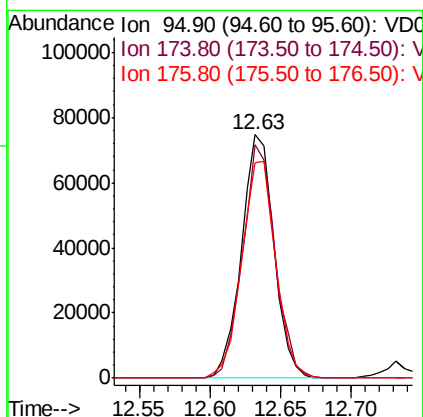
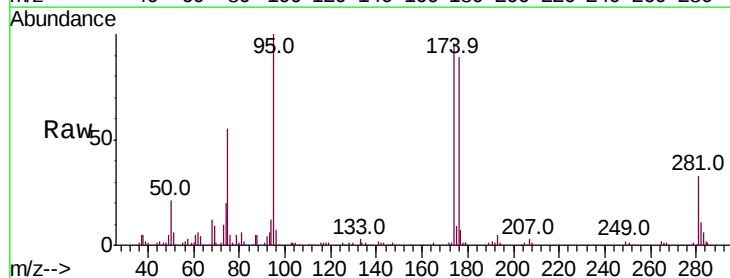
Instrument :
 MSVOA_D
 ClientSampleId :

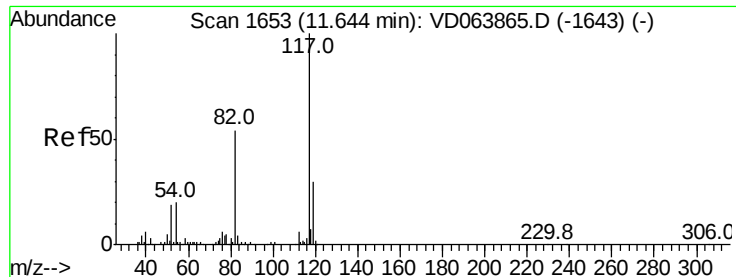
Tot Ion:107 Resp: 31262
 Ion Ratio Lower Upper
 107 100
 109 91.7 75.2 112.8



#62
 4-Bromofluorobenzene
 Concen: 50.545 ug/l
 RT: 12.63 min Scan# 1821
 Delta R.T. -0.00 min
 Lab File: VD063952.D
 Acq: 14 Oct 2019 13:34

Tgt Ion: 95 Resp: 120705
 Ion Ratio Lower Upper
 95 100
 174 95.8 0.0 186.4
 176 93.1 0.0 184.2

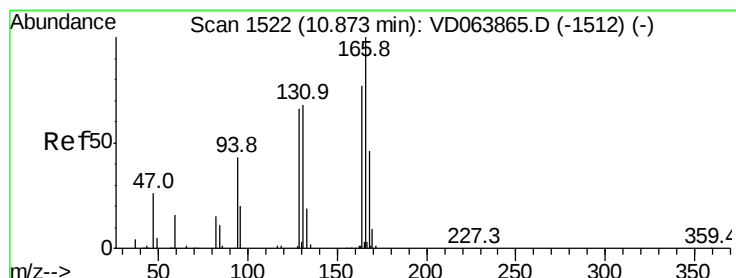
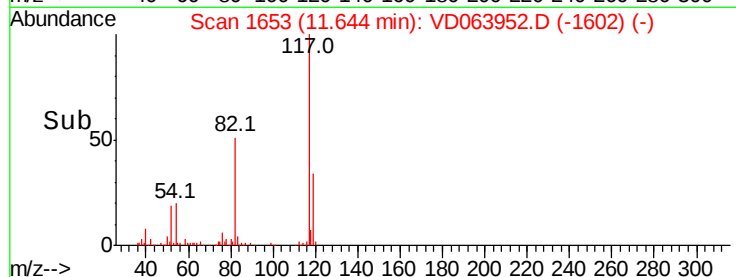
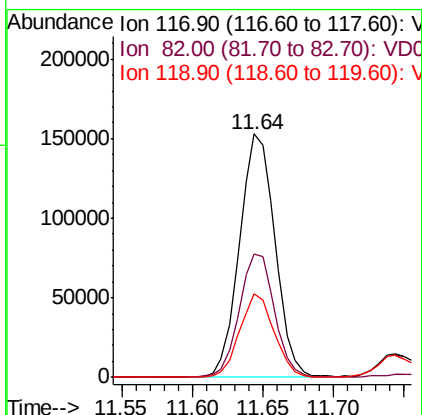
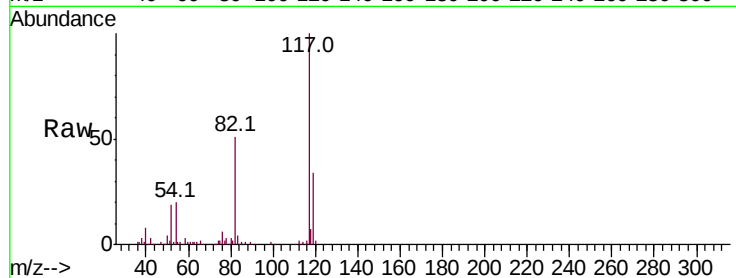




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. -0.00 min
Lab File: VD063952.D
Acq: 14 Oct 2019 13:34

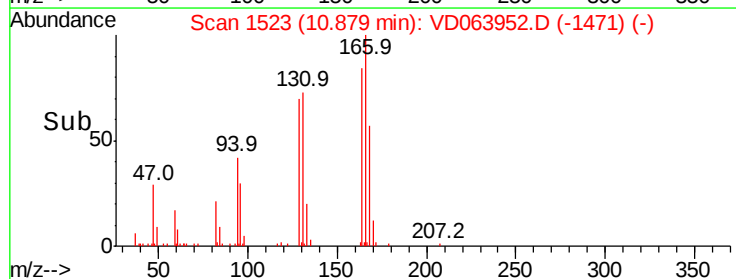
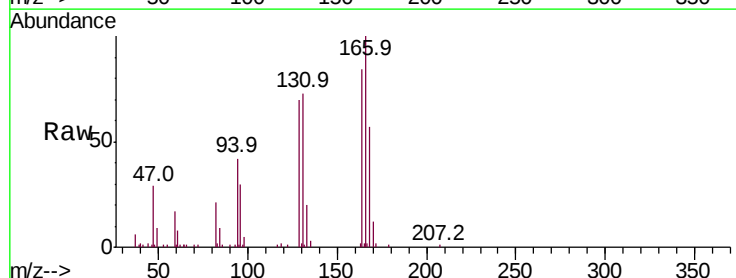
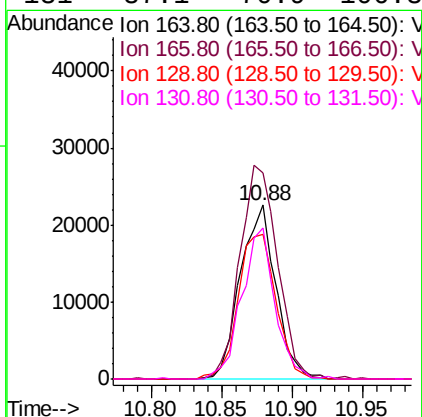
Instrument :
MSVOA_D
ClientSampleId :

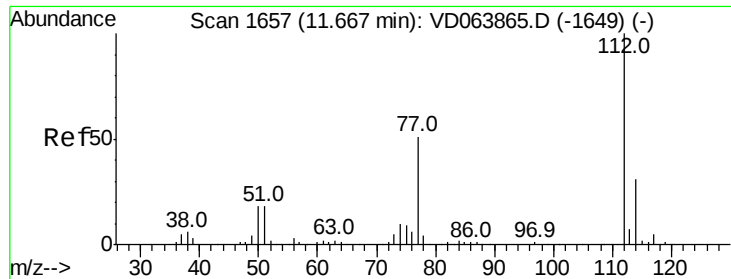
Tot Ion	Ratio	Lower	Upper
117	100		
82	50.5	42.8	64.2
119	34.2	24.4	36.6



#64
Tetrachloroethene
Concen: 21.569 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.01 min
Lab File: VD063952.D
Acq: 14 Oct 2019 13:34

Tgt Ion	Ratio	Lower	Upper
164	100		
166	118.9	103.8	155.6
129	83.0	68.9	103.3
131	87.1	70.9	106.3

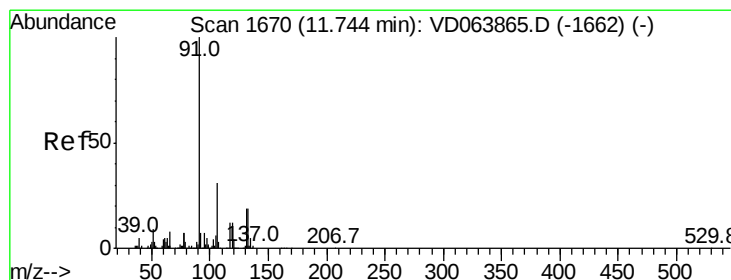
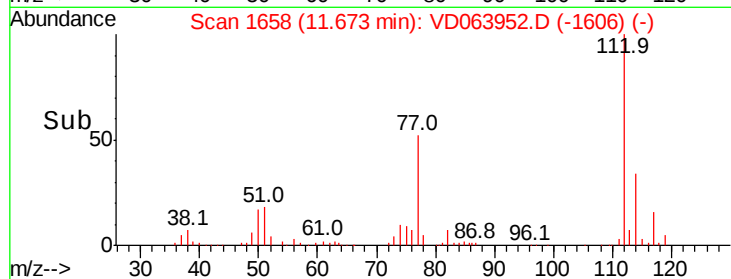
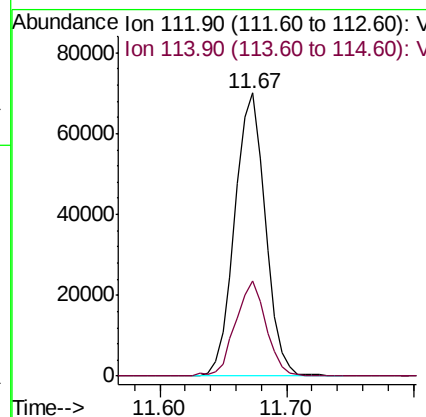
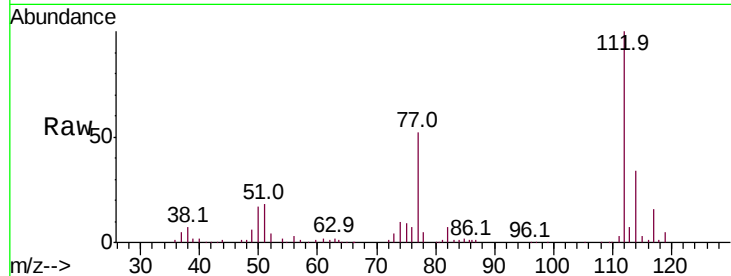




#65
Chlorobenzene
Concen: 21.600 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.01 min
Lab File: VD063952.D
Acq: 14 Oct 2019 13:34

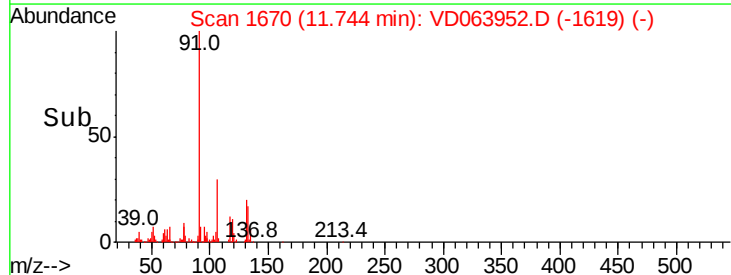
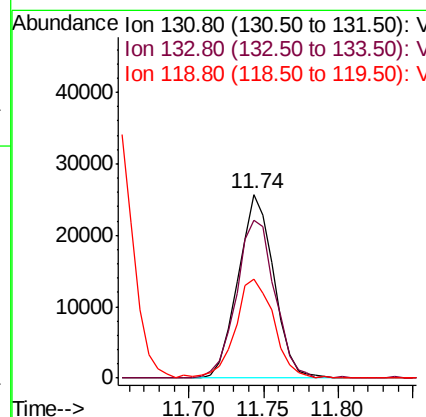
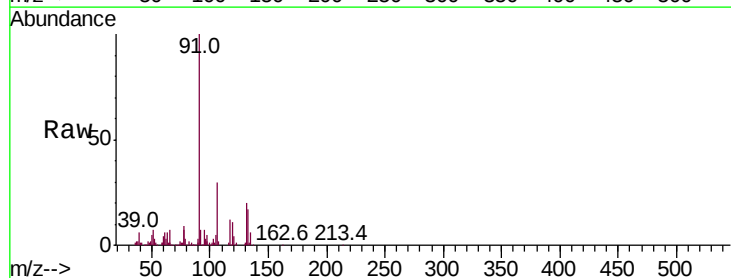
Instrument :
MSVOA_D
ClientSampled :

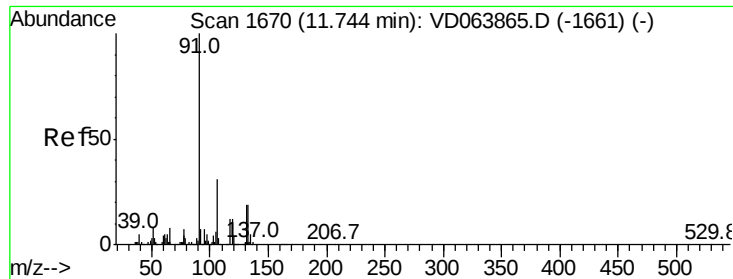
Tot Ion:112 Resp: 117040
Ion Ratio Lower Upper
112 100
114 33.7 25.1 37.7



#66
1,1,1,2-Tetrachloroethane
Concen: 21.367 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. -0.00 min
Lab File: VD063952.D
Acq: 14 Oct 2019 13:34

Tgt Ion:131 Resp: 42660
Ion Ratio Lower Upper
131 100
133 92.6 48.9 146.7
119 58.2 32.6 97.8

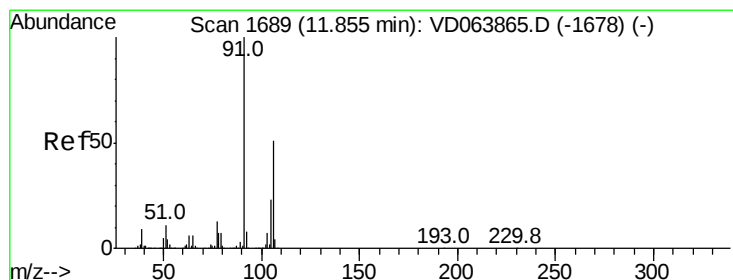
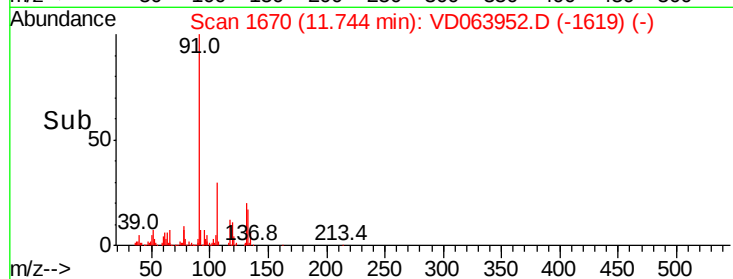
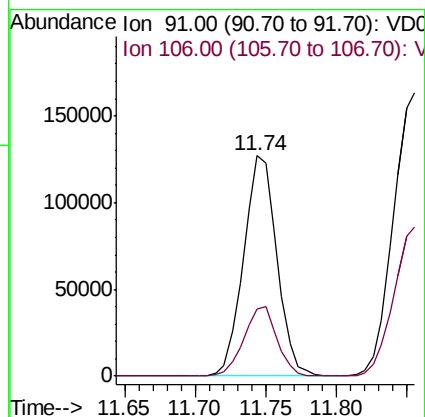
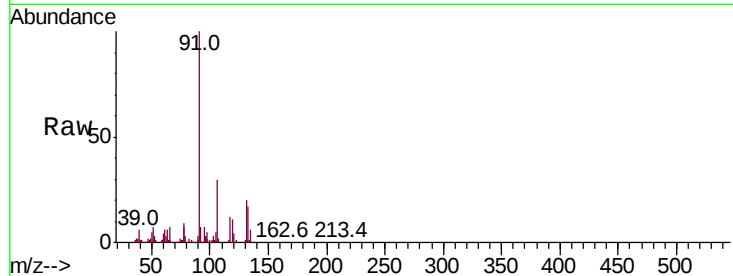




#67
Ethyl Benzene
Concen: 21.484 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. -0.00 min
Lab File: VD063952.D
Acq: 14 Oct 2019 13:34

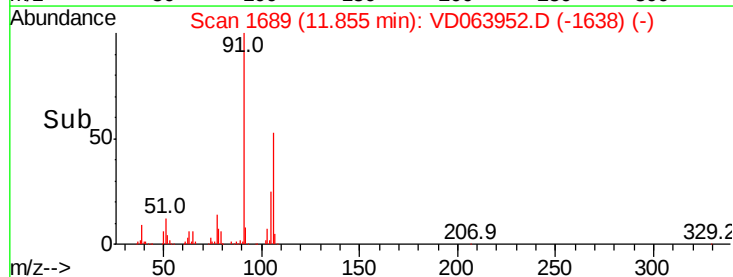
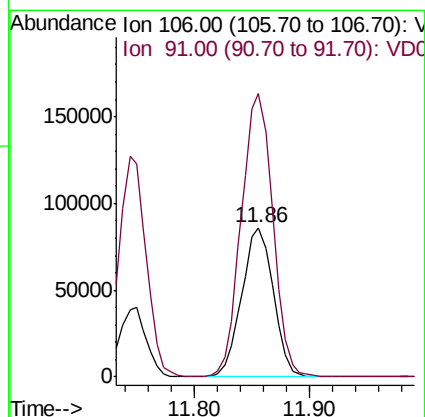
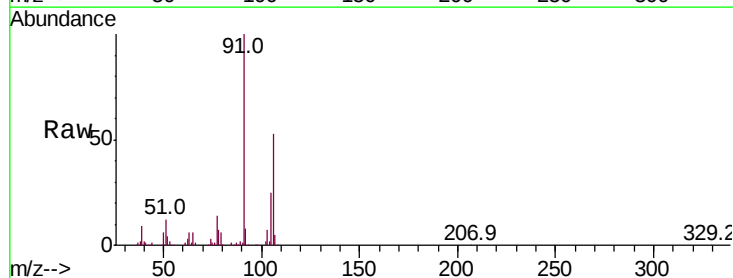
Instrument :
MSVOA_D
ClientSampled :

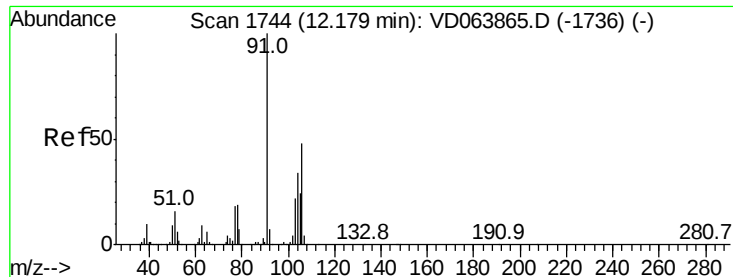
Tot Ion: 91 Resp: 209909
Ion Ratio Lower Upper
91 100
106 30.2 24.6 37.0



#68
m/p-Xylenes
Concen: 43.530 ug/l
RT: 11.86 min Scan# 1689
Delta R.T. -0.00 min
Lab File: VD063952.D
Acq: 14 Oct 2019 13:34

Tgt Ion: 106 Resp: 164161
Ion Ratio Lower Upper
106 100
91 189.1 154.8 232.2





#69

o-Xylene

Concen: 20.785 ug/l

RT: 12.18 min Scan# 1744

Delta R.T. -0.00 min

Lab File: VD063952.D

Acq: 14 Oct 2019 13:34

Instrument :

MSVOA_D

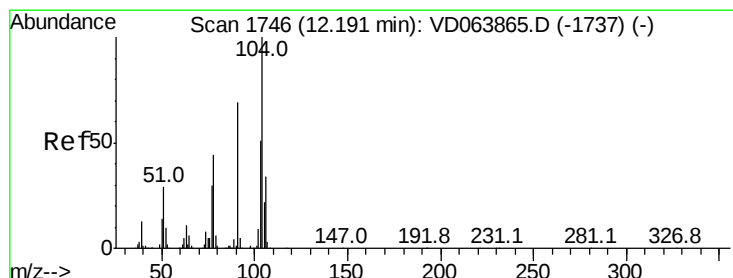
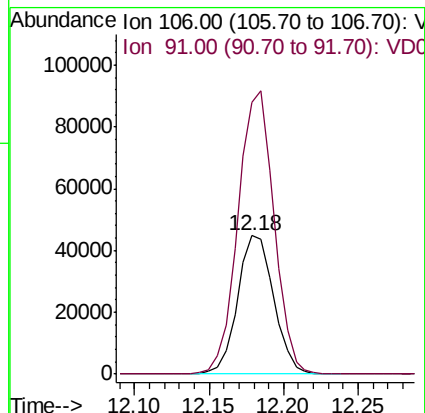
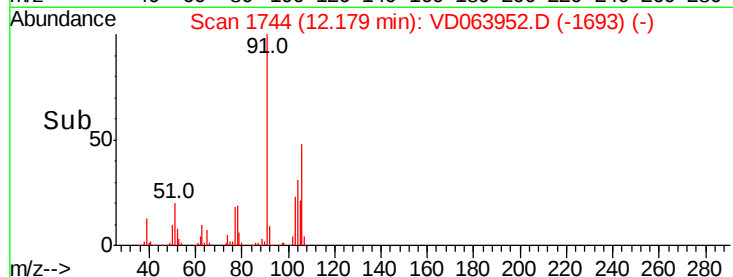
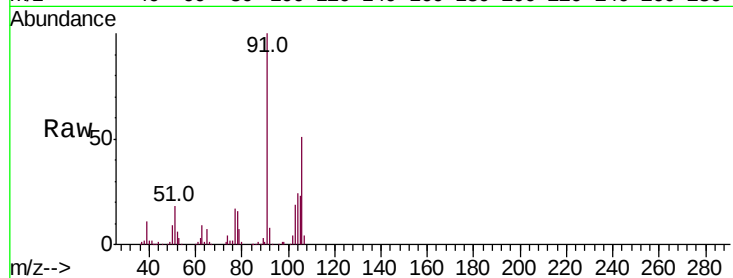
ClientSampled :

Tot Ion:106 Resp: 75058

Ion Ratio Lower Upper

106 100

91 204.9 103.9 311.7



#70

Styrene

Concen: 21.047 ug/l

RT: 12.20 min Scan# 1747

Delta R.T. 0.01 min

Lab File: VD063952.D

Acq: 14 Oct 2019 13:34

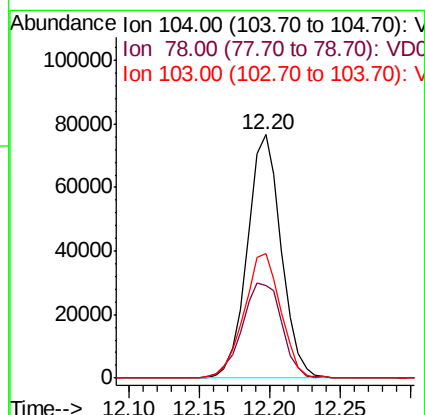
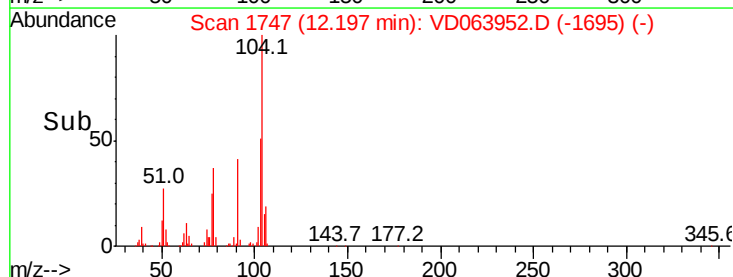
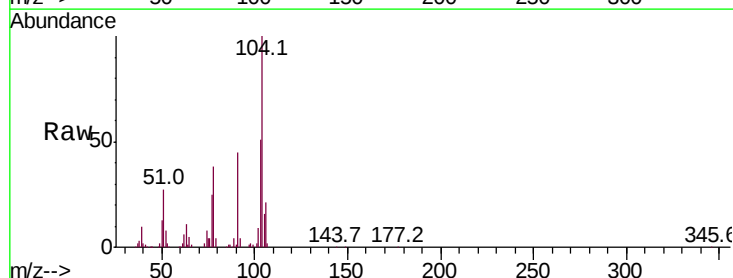
Tgt Ion:104 Resp: 128660

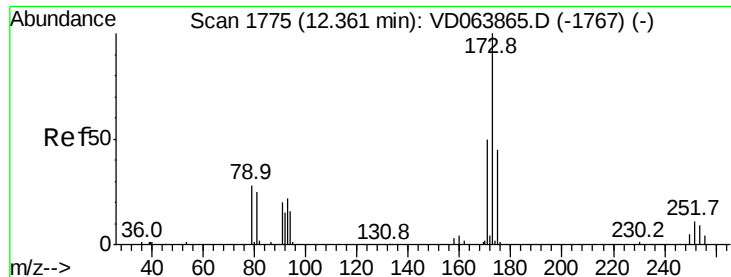
Ion Ratio Lower Upper

104 100

78 46.0 37.0 55.4

103 55.8 44.2 66.4





#71

Bromoform

Concen: 21.602 ug/l

RT: 12.36 min Scan# 1775

Delta R.T. -0.00 min

Lab File: VD063952.D

Acq: 14 Oct 2019 13:34

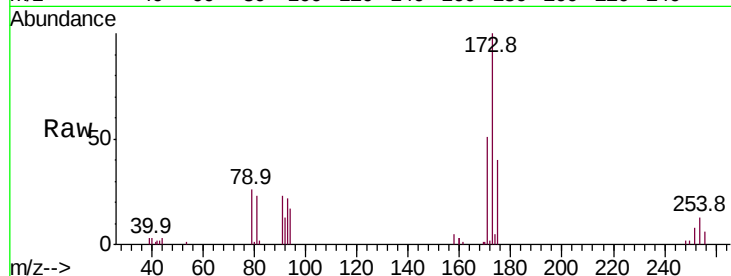
Instrument :

MSVOA_D

ClientSampleId :

Tot Ion:173 Resp: 23147

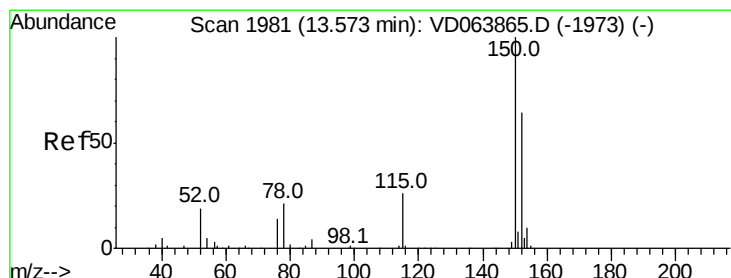
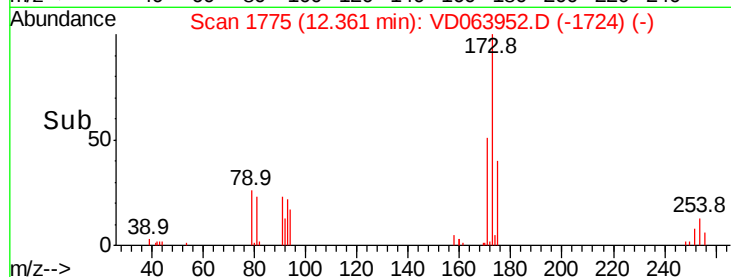
Ion	Ratio	Lower	Upper
173	100		
175	45.4	24.6	74.0
254	0.0	0.0	0.0



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# 1982

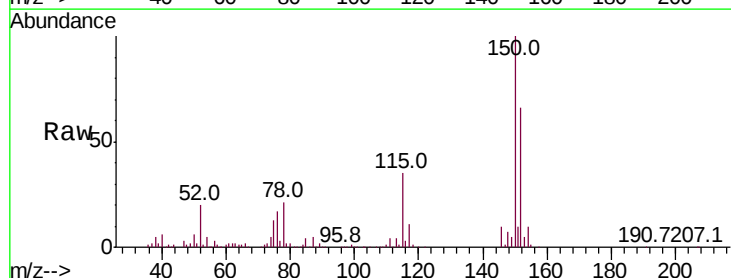
Delta R.T. 0.01 min

Lab File: VD063952.D

Acq: 14 Oct 2019 13:34

Tgt Ion:152 Resp: 146815

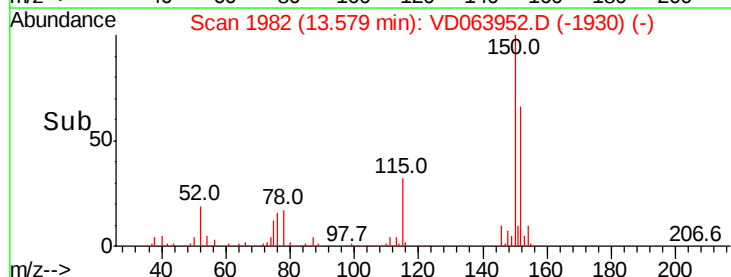
Ion	Ratio	Lower	Upper
152	100		
115	52.3	25.9	77.7
150	161.5	0.0	344.2

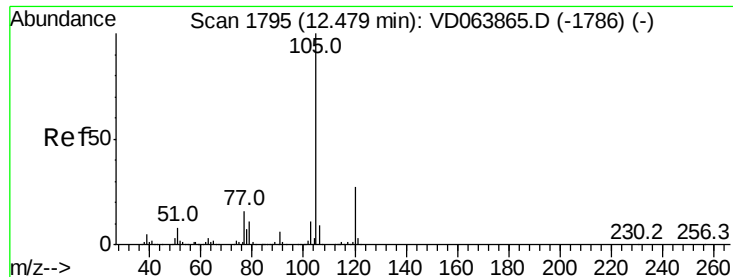


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.573 ug/l

RT: 12.48 min Scan# 1795

Delta R.T. -0.00 min

Lab File: VD063952.D

Acq: 14 Oct 2019 13:34

Instrument :

MSVOA_D

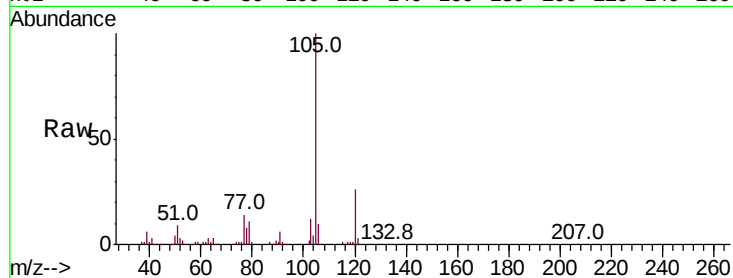
ClientSampled :

Tot Ion:105 Resp: 203046

Ion Ratio Lower Upper

105 100

120 27.8 13.3 39.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.48

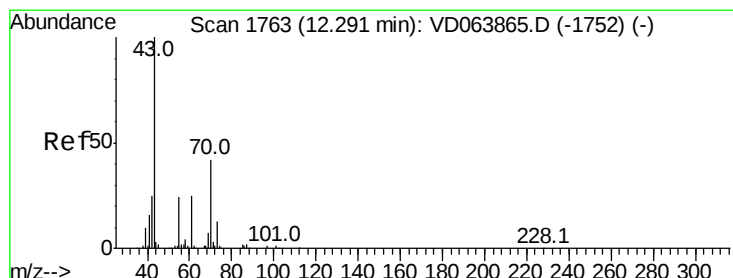
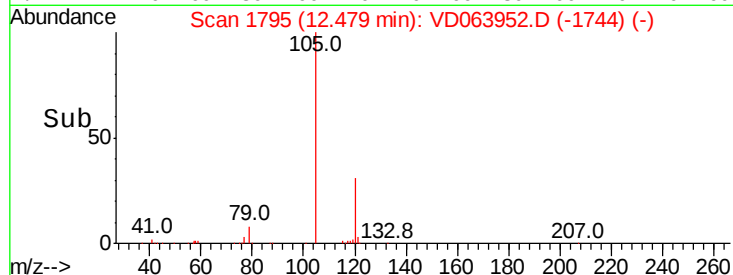
150000

100000

50000

0

Time-->



#74

N-ethyl acetate

Concen: 20.269 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. -0.00 min

Lab File: VD063952.D

Acq: 14 Oct 2019 13:34

Tgt Ion: 43 Resp: 43070

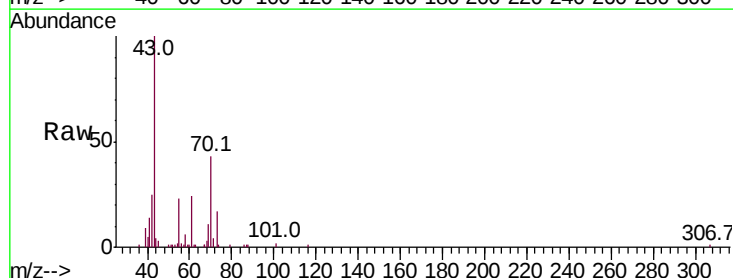
Ion Ratio Lower Upper

43 100

70 43.5 35.8 53.6

55 25.9 19.4 29.0

61 25.4 20.4 30.6



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 61.00 (60.70 to 61.70): VDC

40000

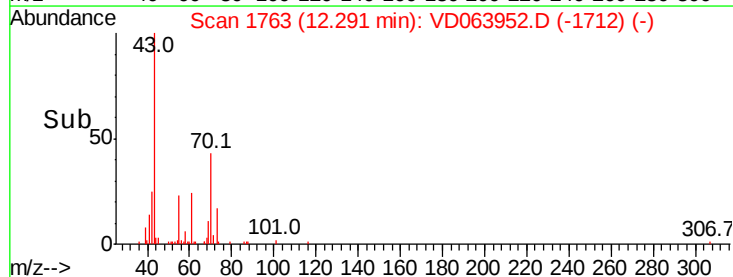
30000

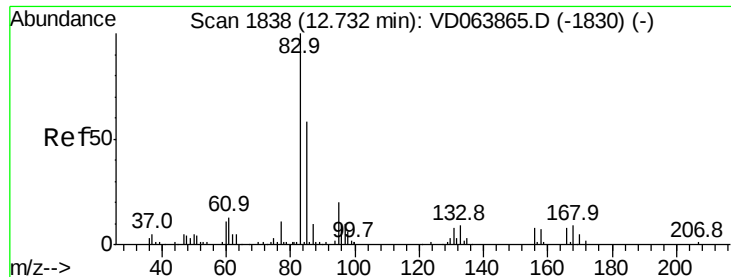
20000

10000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 20.978 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.01 min

Lab File: VD063952.D

Acq: 14 Oct 2019 13:34

Instrument :

MSVOA_D

ClientSampleId :

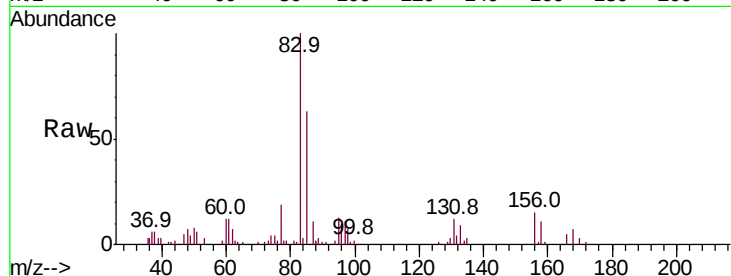
Tot Ion: 83 Resp: 36028

Ion Ratio Lower Upper

83 100

131 12.3 5.6 16.8

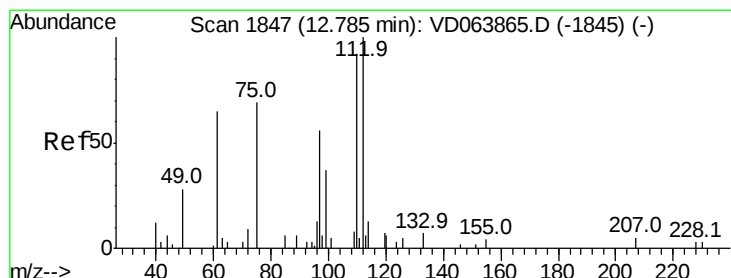
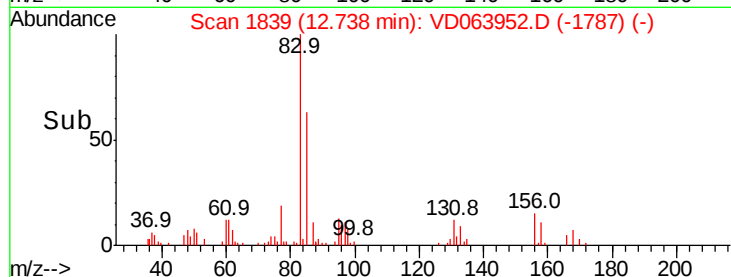
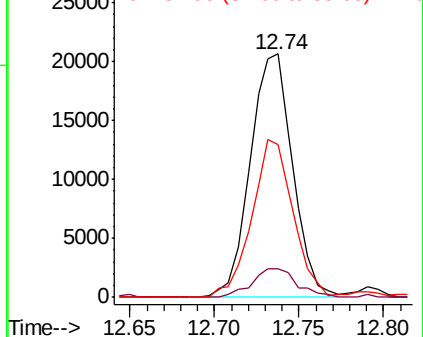
85 63.0 32.3 96.8



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: 44.582 ug/l

RT: 12.79 min Scan# 1848

Delta R.T. 0.01 min

Lab File: VD063952.D

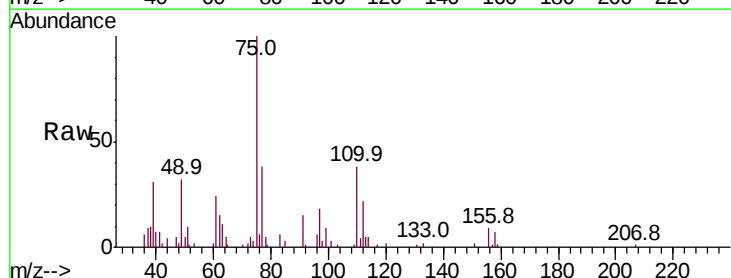
Acq: 14 Oct 2019 13:34

Tgt Ion: 75 Resp: 43839

Ion Ratio Lower Upper

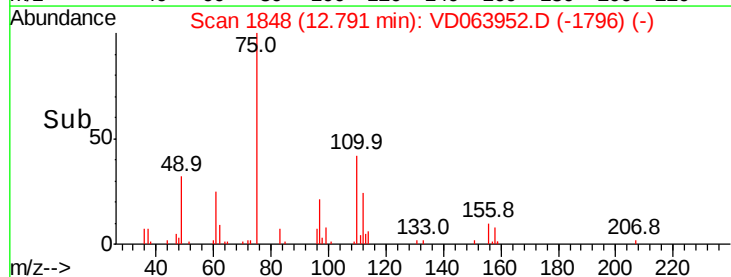
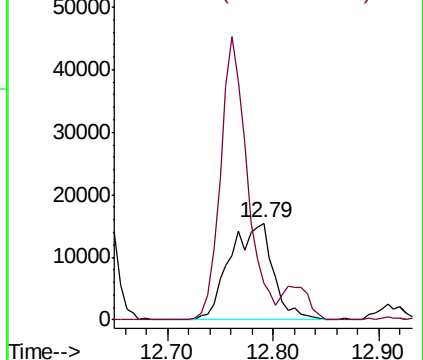
75 100

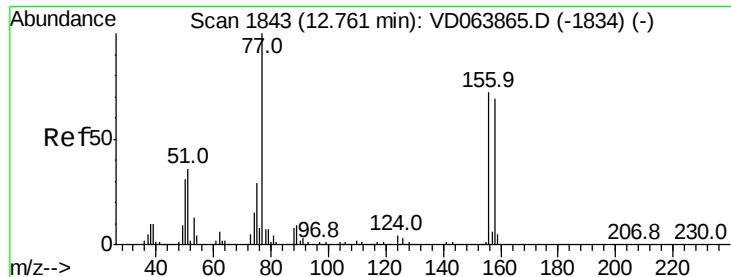
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC





#77

Bromobenzene

Concen: 20.386 ug/l

RT: 12.76 min Scan# 1843

Delta R.T. -0.00 min

Lab File: VD063952.D

Acq: 14 Oct 2019 13:34

Instrument :

MSVOA_D

ClientSampled :

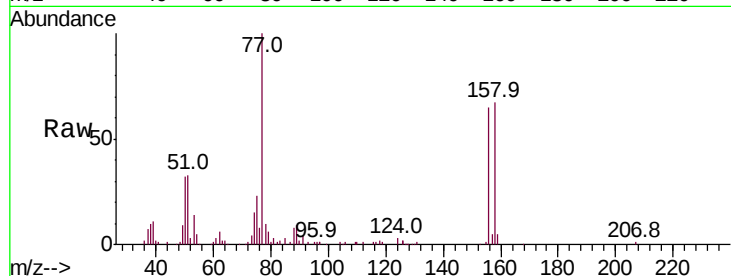
Tot Ion:156 Resp: 50129

Ion Ratio Lower Upper

156 100

77 159.6 80.3 241.0

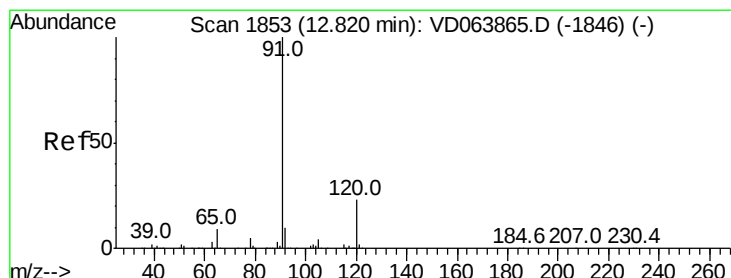
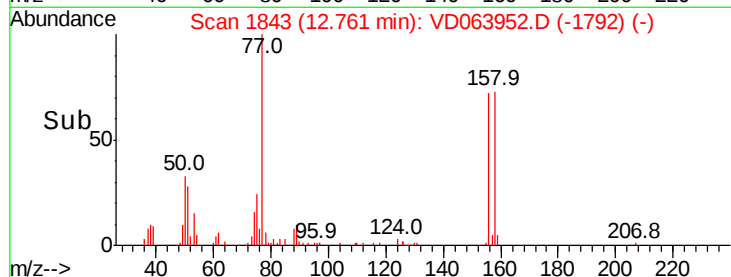
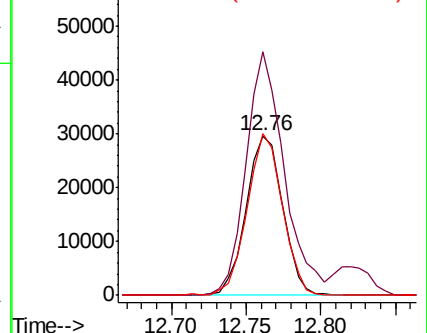
158 97.5 47.4 142.2



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 21.696 ug/l

RT: 12.82 min Scan# 1853

Delta R.T. -0.00 min

Lab File: VD063952.D

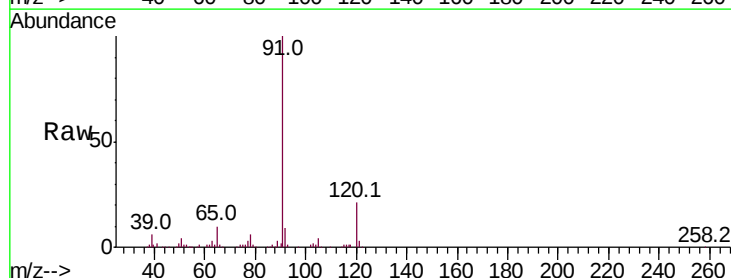
Acq: 14 Oct 2019 13:34

Tgt Ion: 91 Resp: 251346

Ion Ratio Lower Upper

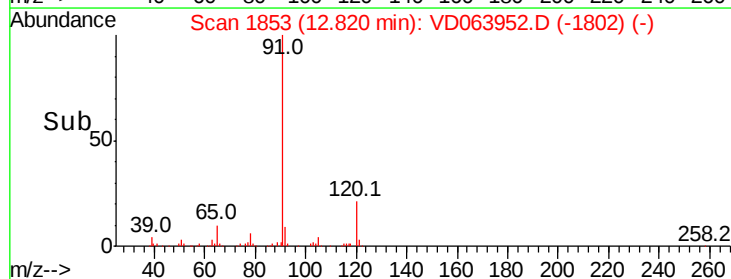
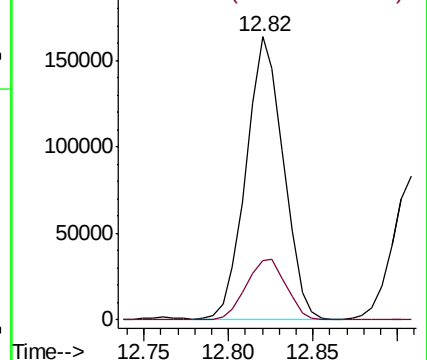
91 100

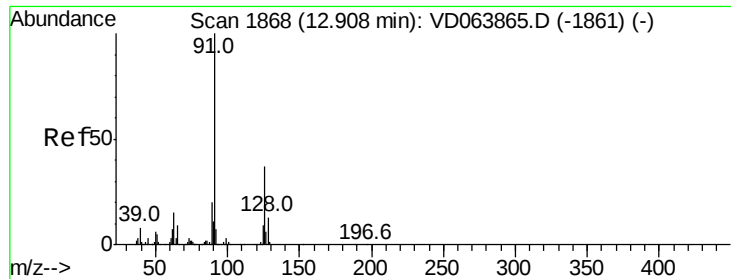
120 23.2 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V

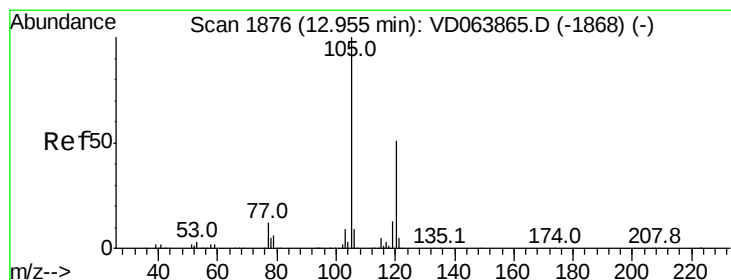
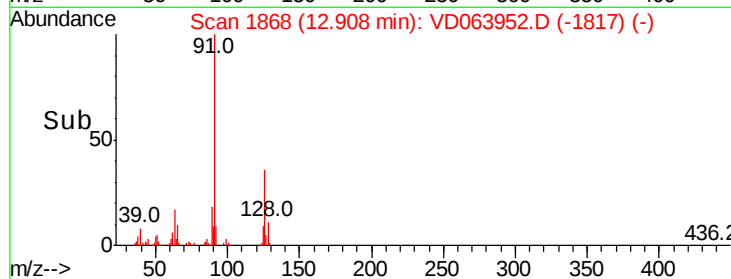
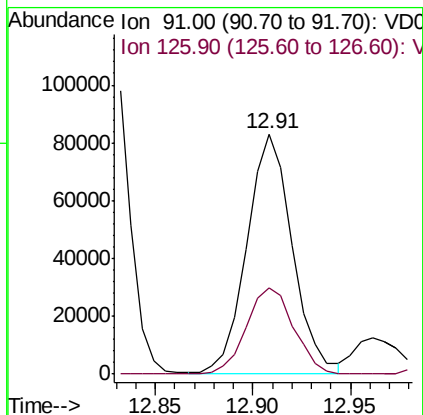
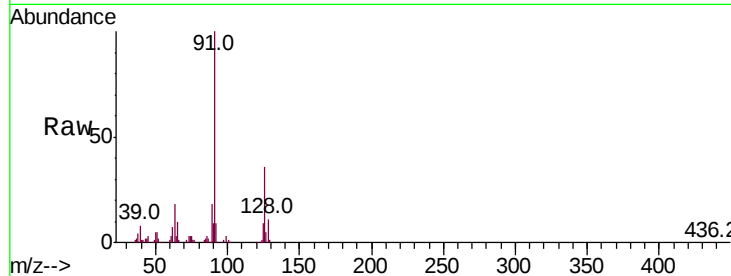




#79
 2-Chlorotoluene
 Concen: 20.887 ug/l
 RT: 12.91 min Scan# 1868
 Delta R.T. -0.00 min
 Lab File: VD063952.D
 Acq: 14 Oct 2019 13:34

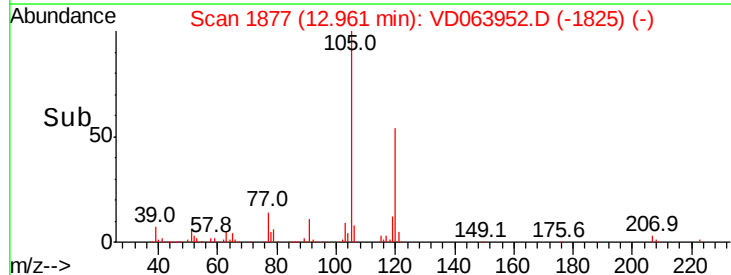
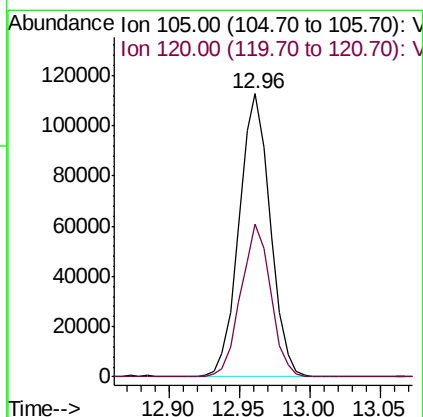
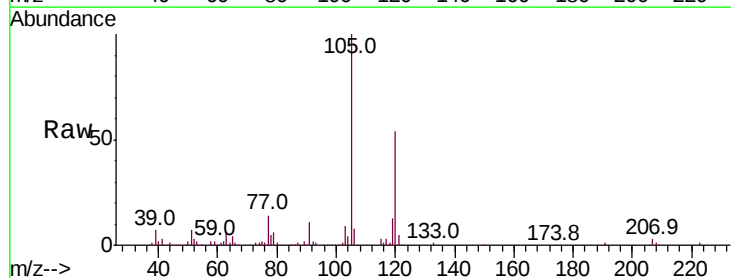
Instrument :
 MSVOA_D
 ClientSampleId :

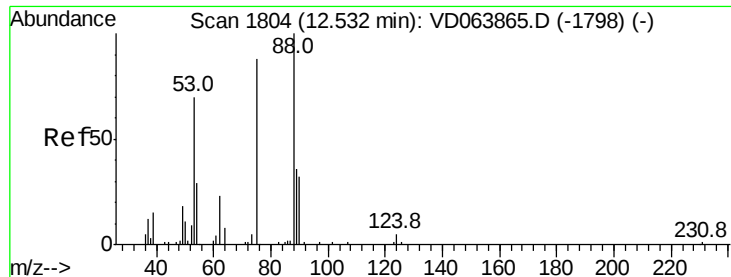
Tot Ion: 91 Resp: 133425
 Ion Ratio Lower Upper
 91 100
 126 37.6 18.4 55.2



#80
 1,3,5-Trimethylbenzene
 Concen: 21.129 ug/l
 RT: 12.96 min Scan# 1877
 Delta R.T. 0.01 min
 Lab File: VD063952.D
 Acq: 14 Oct 2019 13:34

Tgt Ion: 105 Resp: 173978
 Ion Ratio Lower Upper
 105 100
 120 51.8 25.9 77.8





#81

trans-1,4-Dichloro-2-butene

Concen: 20.685 ug/l

RT: 12.53 min Scan# 1803

Delta R.T. -0.01 min

Lab File: VD063952.D

Acq: 14 Oct 2019 13:34

Instrument :

MSVOA_D

ClientSampled :

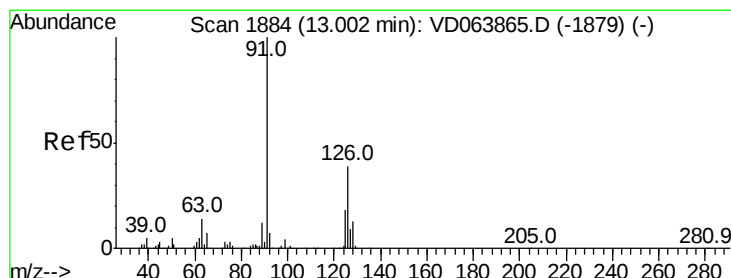
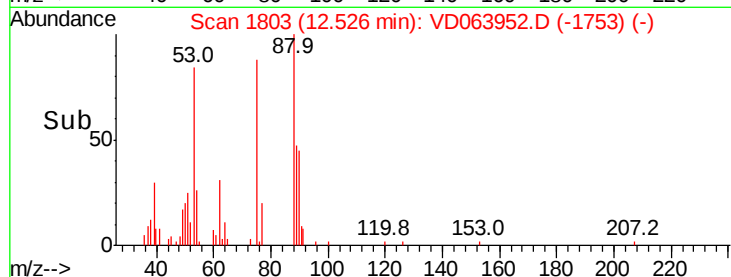
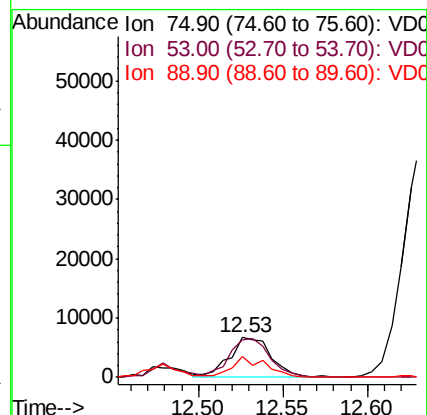
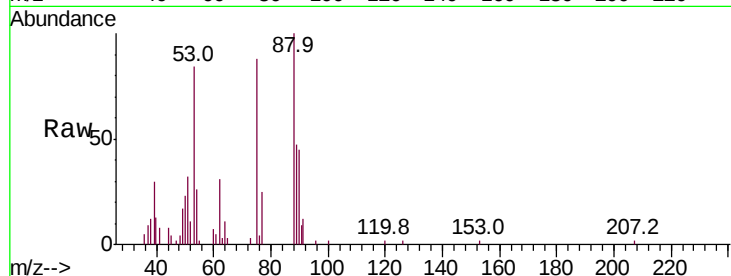
Tot Ion: 75 Resp: 11494

Ion Ratio Lower Upper

75 100

53 94.0 75.0 112.6

89 42.1 38.2 57.4



#82

4-Chlorotoluene

Concen: 20.815 ug/l

RT: 13.01 min Scan# 1885

Delta R.T. 0.01 min

Lab File: VD063952.D

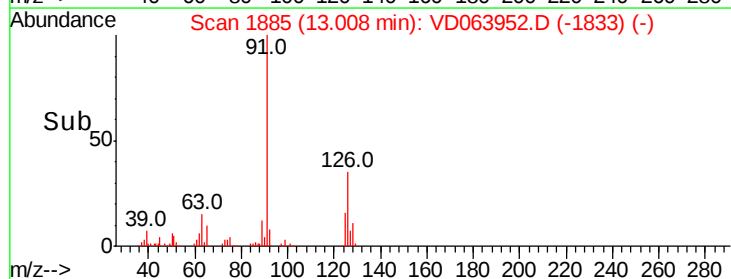
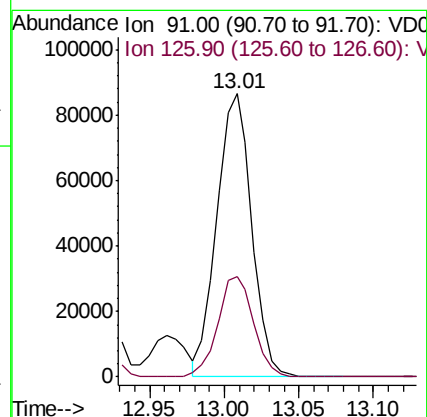
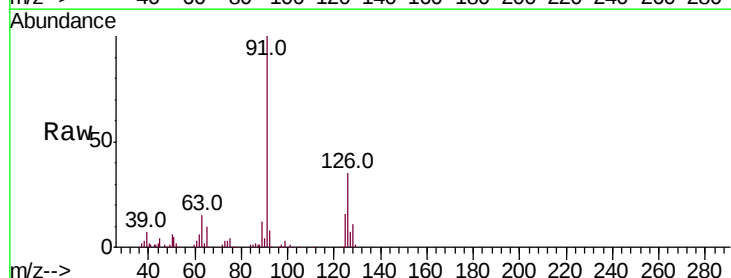
Acq: 14 Oct 2019 13:34

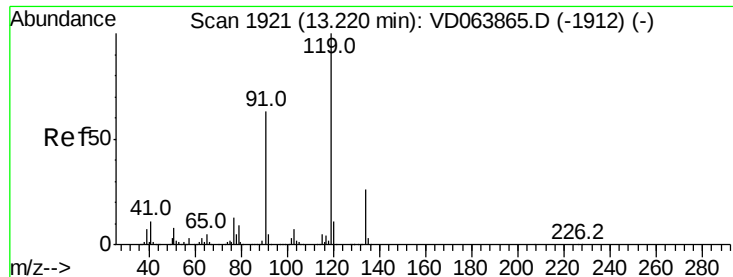
Tgt Ion: 91 Resp: 141048

Ion Ratio Lower Upper

91 100

126 36.6 18.6 55.8





#83

tert-Butylbenzene

Concen: 20.346 ug/l

RT: 13.23 min Scan# 1922

Delta R.T. 0.01 min

Lab File: VD063952.D

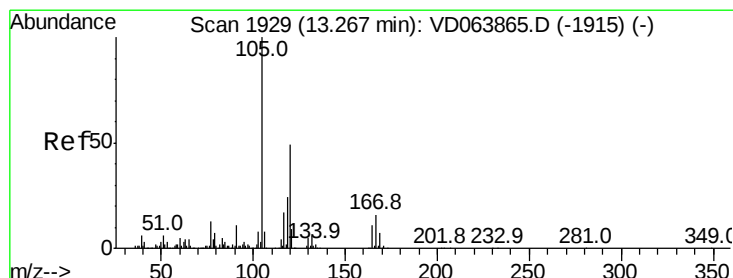
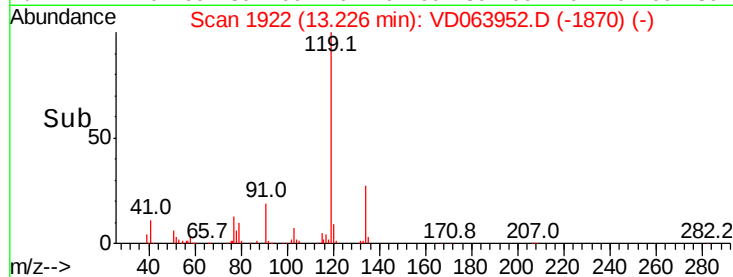
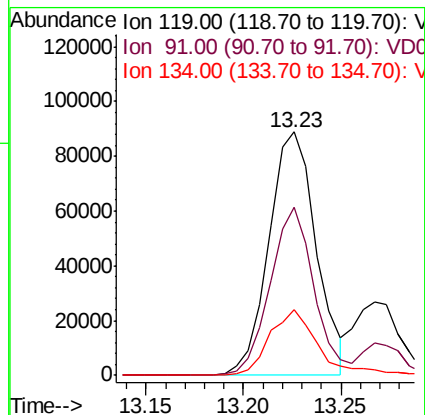
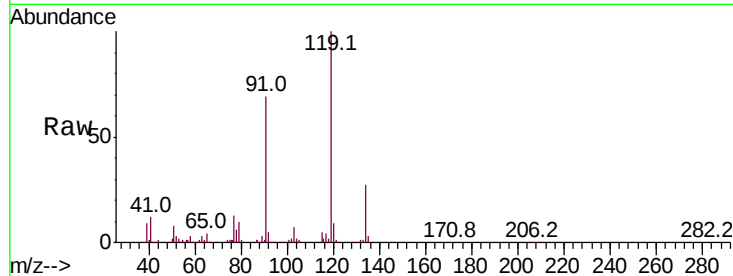
Acq: 14 Oct 2019 13:34

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion:	119	Resp:	149097
Ion	Ratio	Lower	Upper
119	100		
91	64.2	30.0	90.0
134	28.0	13.0	38.9



#84

1,2,4-Trimethylbenzene

Concen: 20.866 ug/l

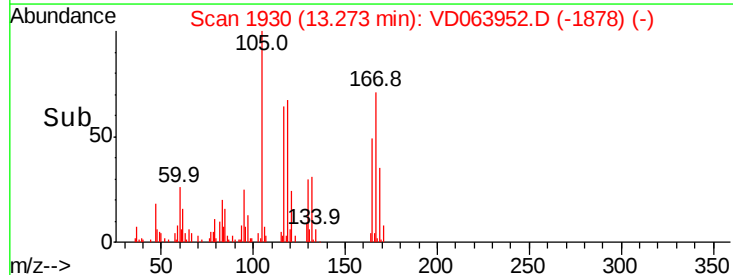
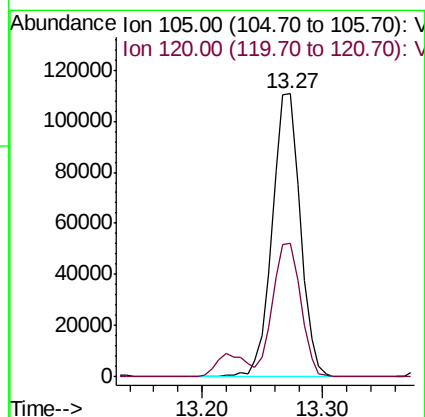
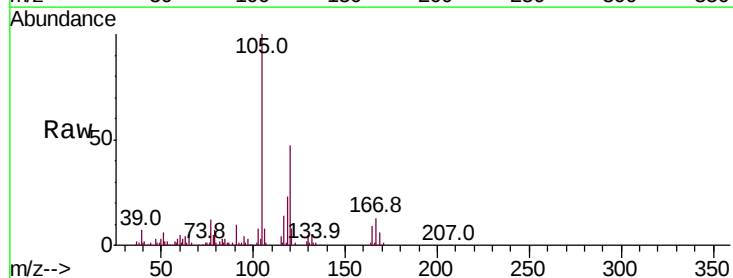
RT: 13.27 min Scan# 1930

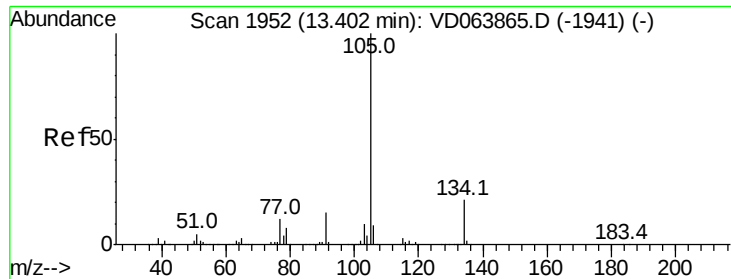
Delta R.T. 0.01 min

Lab File: VD063952.D

Acq: 14 Oct 2019 13:34

Tgt Ion:	105	Resp:	177126
Ion	Ratio	Lower	Upper
105	100		
120	47.4	23.8	71.5





#85

sec-Butylbenzene

Concen: 21.968 ug/l

RT: 13.40 min Scan# 1952

Delta R.T. -0.00 min

Lab File: VD063952.D

Acq: 14 Oct 2019 13:34

Instrument :

MSVOA_D

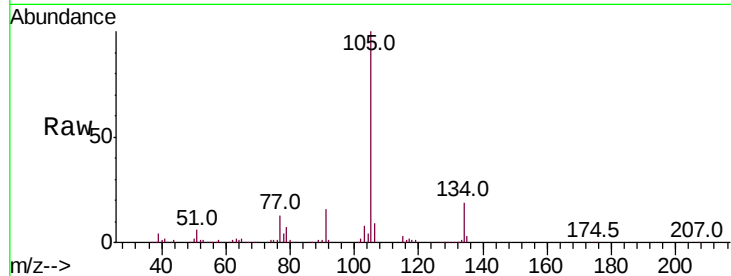
ClientSampleId :

Tot Ion:105 Resp: 217399

Ion Ratio Lower Upper

105 100

134 20.0 10.6 31.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.40

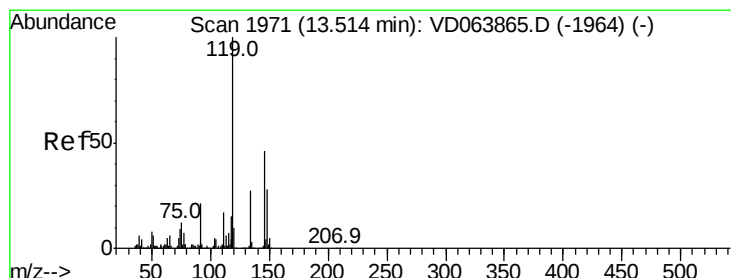
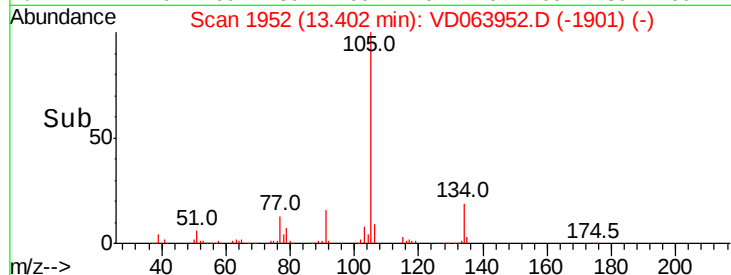
150000

100000

50000

0

Time--> 13.30 13.35 13.40 13.45



#86

p-Isopropyltoluene

Concen: 21.396 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. 0.01 min

Lab File: VD063952.D

Acq: 14 Oct 2019 13:34

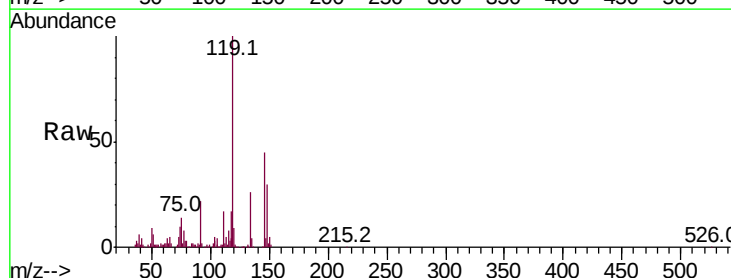
Tgt Ion:119 Resp: 200365

Ion Ratio Lower Upper

119 100

134 26.1 13.9 41.6

91 21.8 11.2 33.5



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

13.52

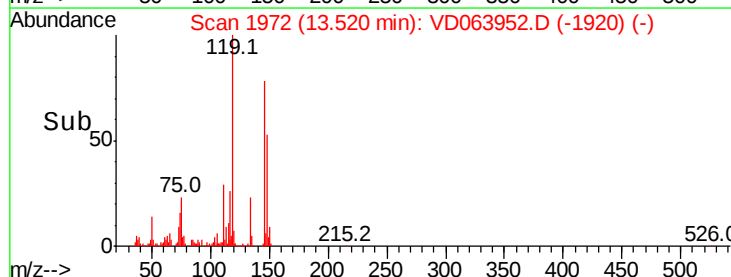
150000

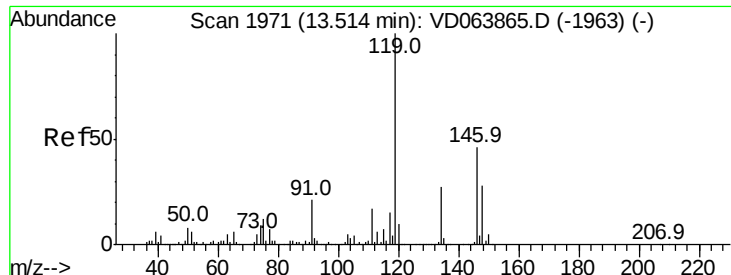
100000

50000

0

Time--> 13.45 13.50 13.55





#87

1,3-Dichlorobenzene

Concen: 20.792 ug/l

RT: 13.51 min Scan# 1971

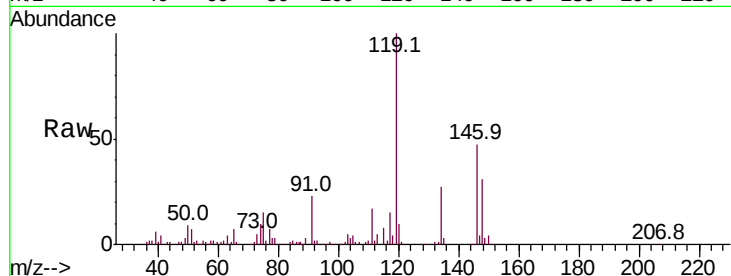
Delta R.T. -0.00 min

Lab File: VD063952.D

Acq: 14 Oct 2019 13:34

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.2	18.3	54.9
148	61.6	31.8	95.4

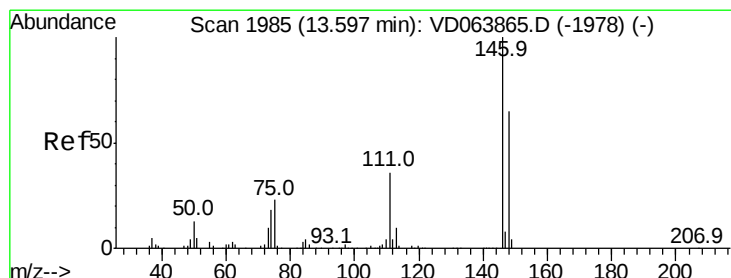
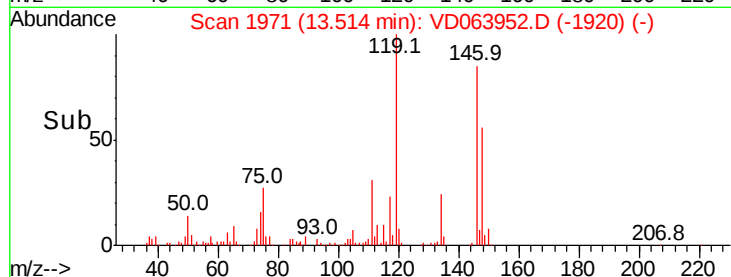
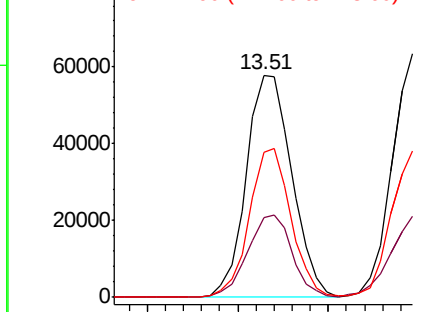


Abundance

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



#88

1,4-Dichlorobenzene

Concen: 21.377 ug/l

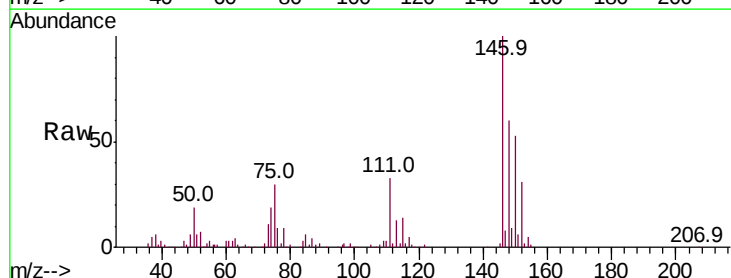
RT: 13.60 min Scan# 1985

Delta R.T. -0.00 min

Lab File: VD063952.D

Acq: 14 Oct 2019 13:34

Tgt Ion	Ratio	Lower	Upper
146	100		
111	34.0	18.6	56.0
148	62.3	32.6	98.0

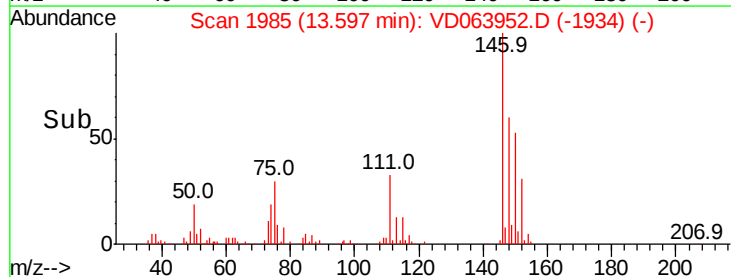
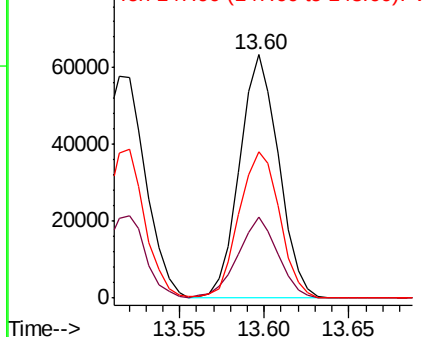


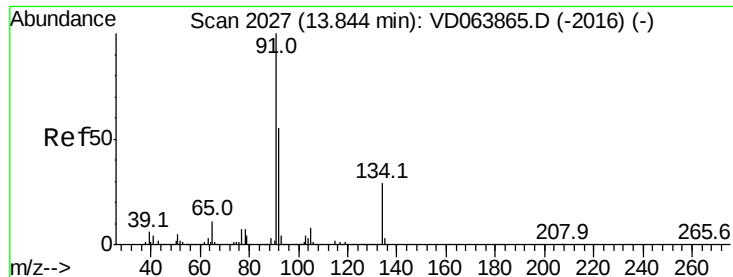
Abundance

Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

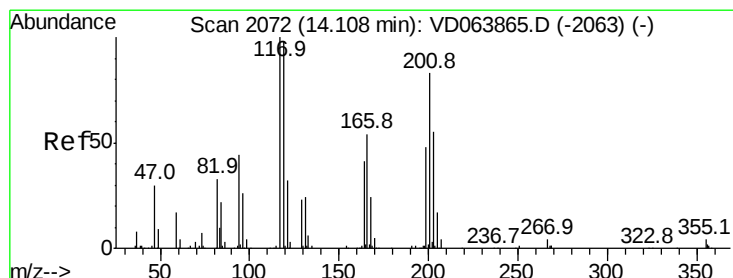
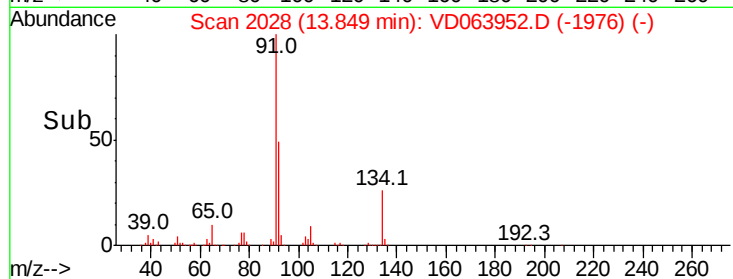
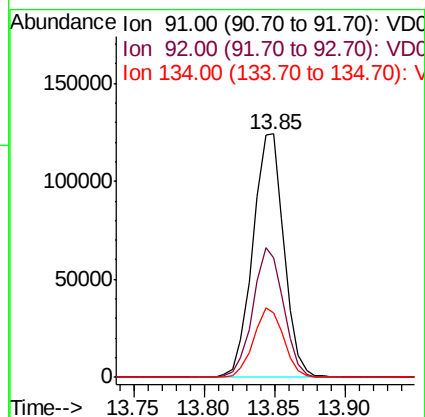
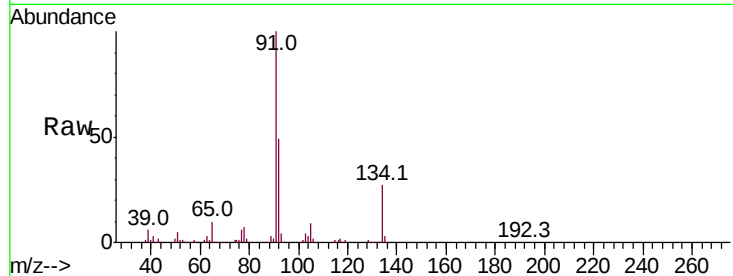




#89
n-Butylbenzene
Concen: 22.131 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.01 min
Lab File: VD063952.D
Acq: 14 Oct 2019 13:34

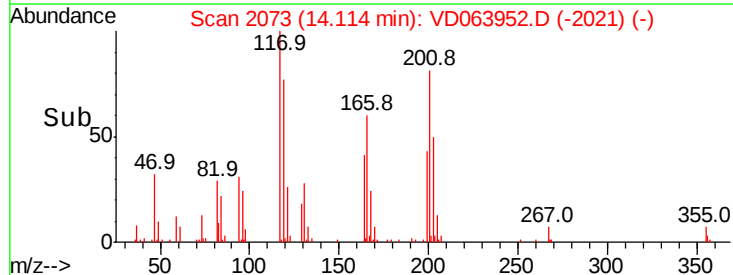
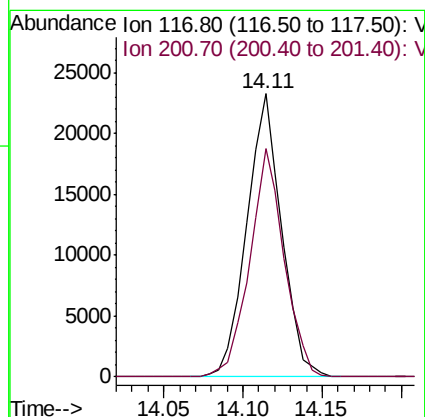
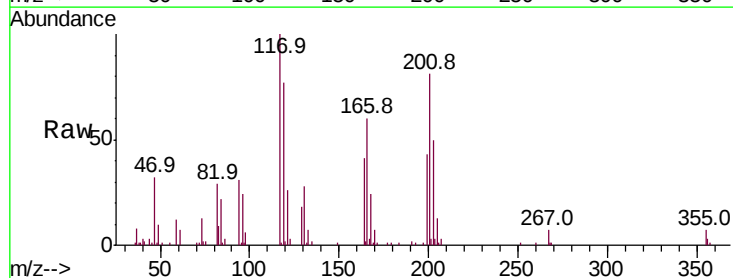
Instrument :
MSVOA_D
ClientSampleId :

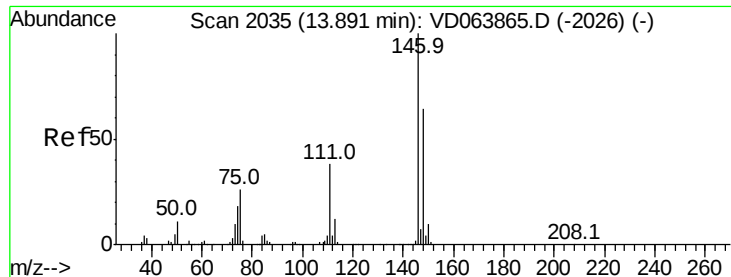
Tot Ion	Ratio	Lower	Upper
91	100		
92	52.2	26.8	80.3
134	27.4	14.4	43.0



#90
Hexachloroethane
Concen: 20.990 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. 0.01 min
Lab File: VD063952.D
Acq: 14 Oct 2019 13:34

Tgt Ion	Ratio	Lower	Upper
117	100		
201	80.0	40.6	121.7

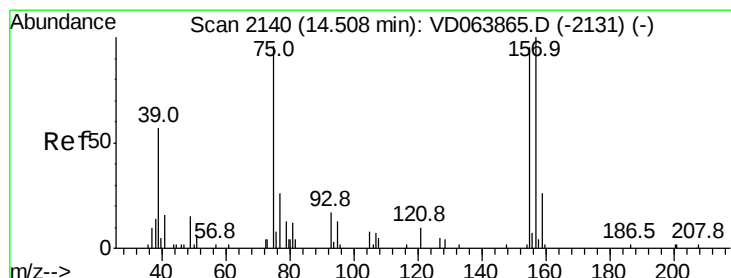
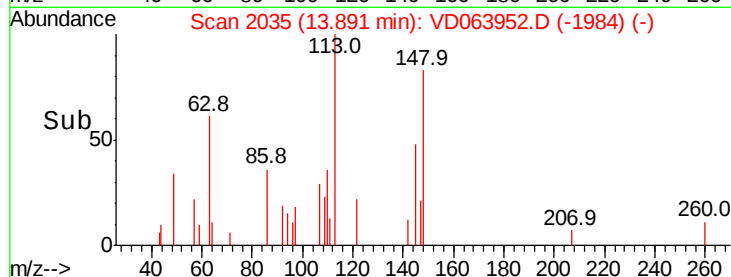
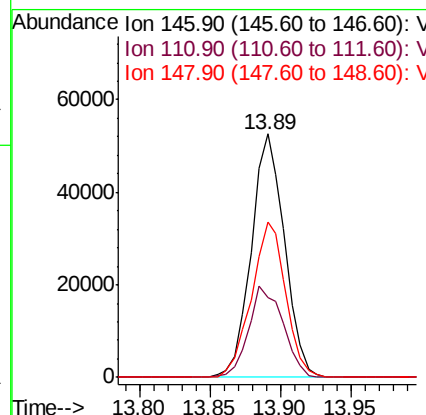
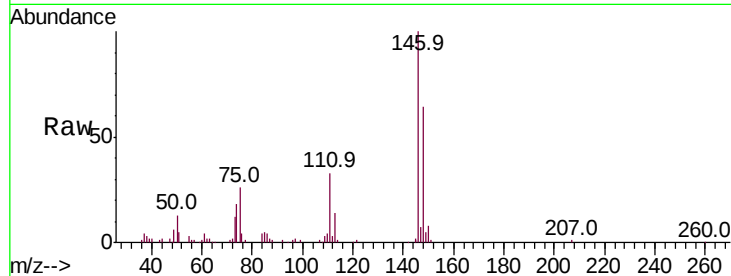




#91
 1,2-Dichlorobenzene
 Concen: 20.776 ug/l
 RT: 13.89 min Scan# 2035
 Delta R.T. -0.00 min
 Lab File: VD063952.D
 Acq: 14 Oct 2019 13:34

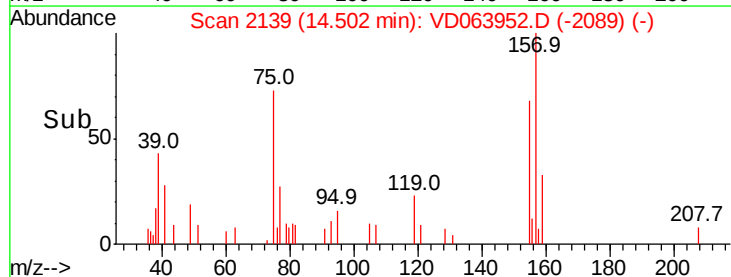
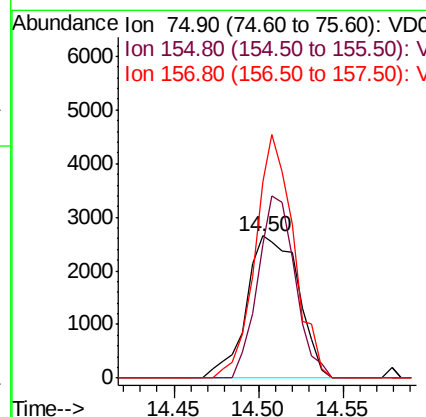
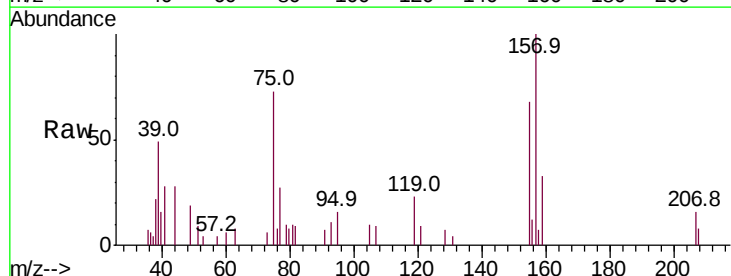
Instrument :
 MSVOA_D
 ClientSampleId :

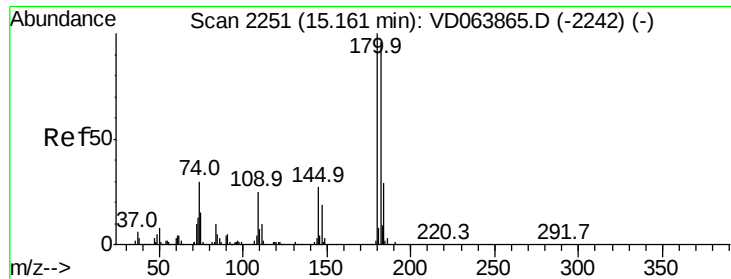
Tot Ion:146 Resp: 86992
 Ion Ratio Lower Upper
 146 100
 111 38.6 18.6 55.6
 148 65.4 31.6 95.0



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.640 ug/l
 RT: 14.50 min Scan# 2139
 Delta R.T. -0.01 min
 Lab File: VD063952.D
 Acq: 14 Oct 2019 13:34

Tgt Ion: 75 Resp: 5639
 Ion Ratio Lower Upper
 75 100
 155 92.5 43.9 131.6
 157 127.2 56.0 167.9

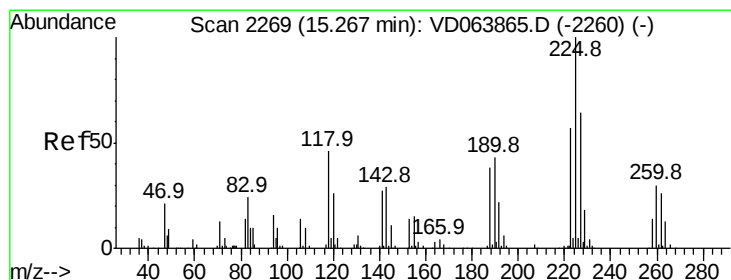
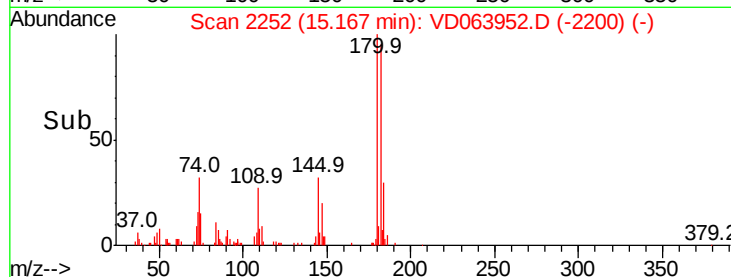
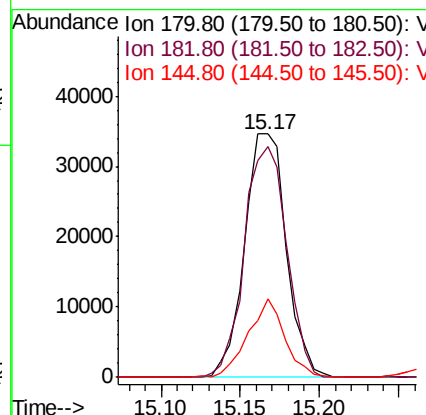
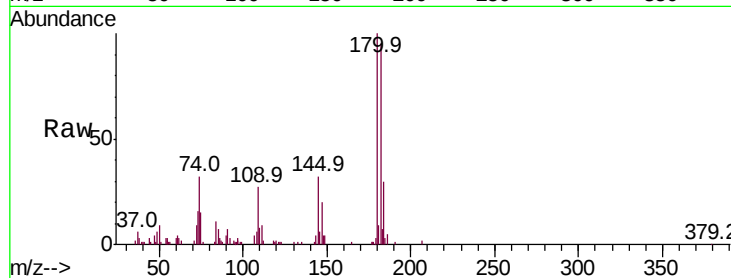




#93
 1,2,4-Trichlorobenzene
 Concen: 19.643 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. 0.01 min
 Lab File: VD063952.D
 Acq: 14 Oct 2019 13:34

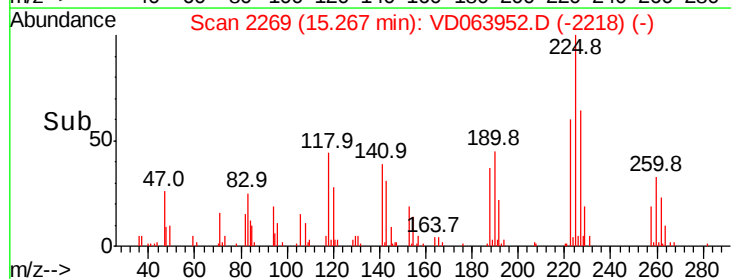
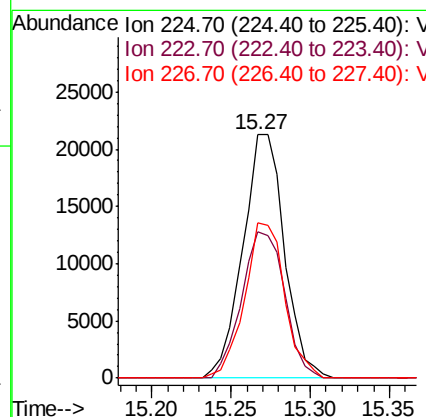
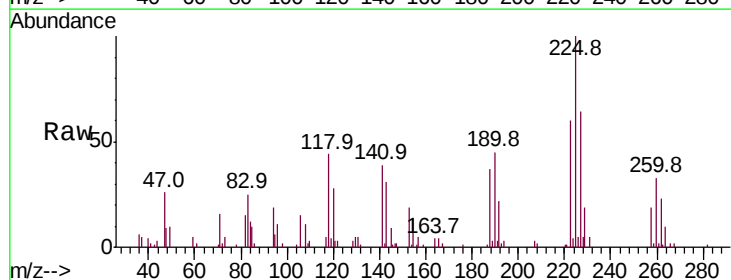
Instrument :
 MSVOA_D
 ClientSampleId :

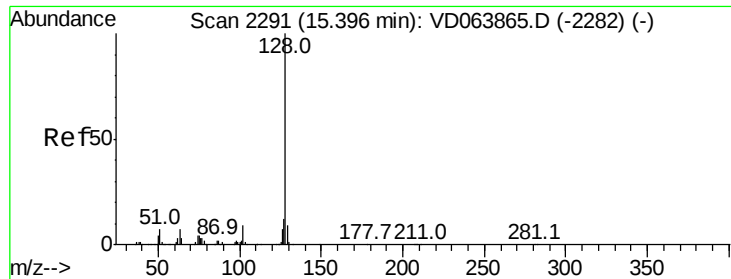
Tot Ion	Ratio	Lower	Upper
180	100		
182	96.0	47.4	142.3
145	28.4	13.9	41.7



#94
 Hexachlorobutadiene
 Concen: 21.756 ug/l
 RT: 15.27 min Scan# 2269
 Delta R.T. -0.00 min
 Lab File: VD063952.D
 Acq: 14 Oct 2019 13:34

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.2	29.5	88.6
227	61.4	30.8	92.4

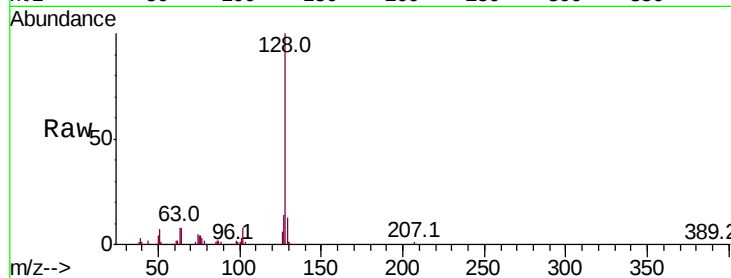




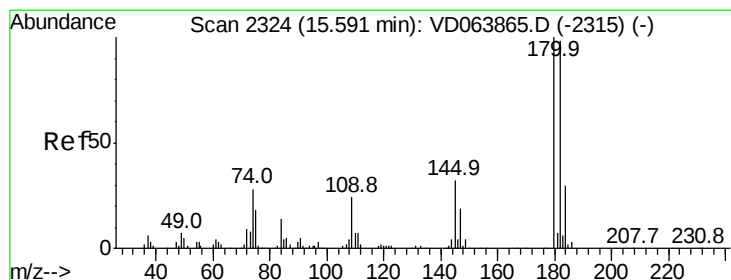
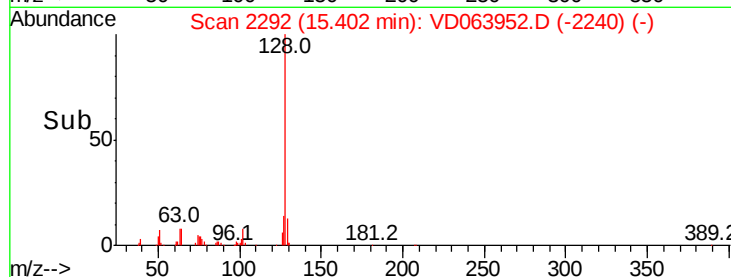
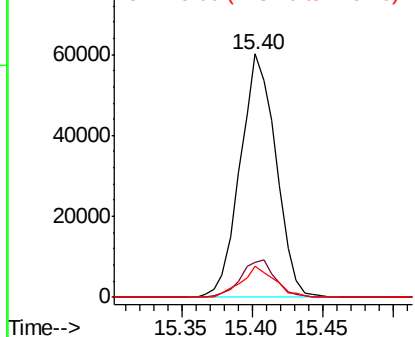
#95
Naphthalene
Concen: 19.710 ug/l
RT: 15.40 min Scan# 2292
Delta R.T. 0.01 min
Lab File: VD063952.D
Acq: 14 Oct 2019 13:34

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:128 Resp: 107030
Ion Ratio Lower Upper
128 100
127 14.8 10.6 16.0
129 12.1 8.6 13.0

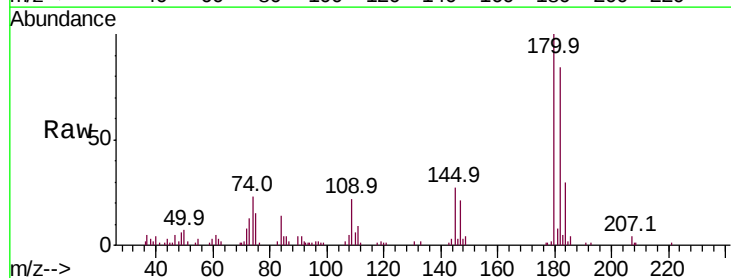


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 19.267 ug/l
RT: 15.60 min Scan# 2326
Delta R.T. 0.01 min
Lab File: VD063952.D
Acq: 14 Oct 2019 13:34

Tgt Ion:180 Resp: 53706
Ion Ratio Lower Upper
180 100
182 98.3 47.0 141.0
145 31.6 15.3 45.9



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

