

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD092619\
 Data File : VD063837.D
 Acq On : 26 Sep 2019 14:35
 Operator : VA/SY
 Sample : VD0926SBS01
 Misc : 5.00g/5.00mL/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0926SBS01

Quant Time: Sep 26 18:27:04 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D092519S.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 26 12:03:05 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	8.00	168	215951	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.88	114	342620	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.66	117	335551	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.59	152	177272	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.35	65	102917	50.61	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	101.22%	
35) Dibromofluoromethane	7.94	113	101960	46.88	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	93.76%	
50) Toluene-d8	10.36	98	425661	51.99	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	103.98%	
62) 4-Bromofluorobenzene	12.64	95	143334	48.78	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	97.56%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.00	85	32750	22.113	ug/l	97
3) Chloromethane	2.22	50	107247	25.721	ug/l	97
4) Vinyl Chloride	2.36	62	113110	24.694	ug/l	96
5) Bromomethane	2.77	94	53891	20.109	ug/l	99
6) Chloroethane	2.93	64	67725	23.074	ug/l	95
7) Trichlorofluoromethane	3.29	101	144326	23.436	ug/l	96
8) Diethyl Ether	3.72	74	21417	22.528	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	4.11	101	38389	21.014	ug/l	97
10) Methyl Iodide	4.31	142	45965	21.075	ug/l	97
11) Tert butyl alcohol	5.27	59	15609	105.387	ug/l #	89
12) 1,1-Dichloroethene	4.08	96	39067	21.186	ug/l	94
13) Acrolein	3.94	56	19844	102.870	ug/l	95
14) Allyl chloride	4.73	41	58965	20.229	ug/l	97
15) Acrylonitrile	5.46	53	48579	109.511	ug/l	98
16) Acetone	4.19	43	48688	111.256	ug/l #	85
17) Carbon Disulfide	4.42	76	134284	21.542	ug/l	97
18) Methyl Acetate	4.75	43	26267	25.042	ug/l	96
19) Methyl tert-butyl Ether	5.51	73	96971	21.004	ug/l	96
20) Methylene Chloride	4.99	84	52577	20.564	ug/l	92
21) trans-1,2-Dichloroethene	5.49	96	48394	22.546	ug/l #	92
22) Diisopropyl ether	6.40	45	132418	21.996	ug/l	95
23) Vinyl Acetate	6.33	43	378255	106.228	ug/l	97
24) 1,1-Dichloroethane	6.29	63	80692	22.062	ug/l	98
25) 2-Butanone	7.24	43	66349	111.190	ug/l #	80
26) 2,2-Dichloropropane	7.23	77	72885	21.308	ug/l	97
27) cis-1,2-Dichloroethene	7.23	96	52640	21.856	ug/l	97
28) Bromochloromethane	7.57	49	27839	19.398	ug/l	98
29) Tetrahydrofuran	7.59	42	39930	111.678	ug/l	96
30) Chloroform	7.73	83	83842	21.105	ug/l	95
31) Cyclohexane	8.00	56	78760	22.547	ug/l #	96
32) 1,1,1-Trichloroethane	7.93	97	77755	21.646	ug/l	95
36) 1,1-Dichloropropene	8.13	75	65989	21.115	ug/l	100
37) Ethyl Acetate	7.32	43	27884	22.415	ug/l #	92
38) Carbon Tetrachloride	8.11	117	70771	21.757	ug/l	98

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 Misc : 5.00g/5.00mL/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
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 ClientSampleId :
 VD0926SBS01

Quant Time: Sep 26 18:27:04 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D092519S.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 26 12:03:05 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.37	83	83004	21.330	ug/l	94
40) Benzene	8.37	78	184106	21.391	ug/l	96
41) Methacrylonitrile	7.54	41	14990	20.442	ug/l	96
42) 1,2-Dichloroethane	8.44	62	55023	21.862	ug/l	100
43) Isopropyl Acetate	8.47	43	54914	20.987	ug/l	98
44) Trichloroethene	9.13	130	51405	20.624	ug/l	90
45) 1,2-Dichloropropane	9.40	63	45948	21.611	ug/l	93
46) Dibromomethane	9.49	93	25779	21.483	ug/l	97
47) Bromodichloromethane	9.68	83	65767	21.260	ug/l	97
48) Methyl methacrylate	9.47	41	27141	22.806	ug/l	95
49) 1,4-Dioxane	9.48	88	6814	407.037	ug/l	96
51) 4-Methyl-2-Pentanone	10.25	43	144856	109.890	ug/l	99
52) Toluene	10.42	92	128442	22.009	ug/l	98
53) t-1,3-Dichloropropene	10.64	75	67137	21.895	ug/l	95
54) cis-1,3-Dichloropropene	10.11	75	75638	21.731	ug/l	94
55) 1,1,2-Trichloroethane	10.81	97	35171	20.742	ug/l #	86
56) Ethyl methacrylate	10.68	69	44474	20.636	ug/l	95
57) 1,3-Dichloropropane	10.96	76	61234	21.254	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.96	63	96943	100.643	ug/l	99
59) 2-Hexanone	11.00	43	103475	110.017	ug/l	97
60) Dibromochloromethane	11.16	129	47299	21.138	ug/l	100
61) 1,2-Dibromoethane	11.26	107	36027	21.254	ug/l	99
64) Tetrachloroethene	10.89	164	48946	21.655	ug/l	91
65) Chlorobenzene	11.68	112	141120	20.907	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.76	131	49352	19.895	ug/l	96
67) Ethyl Benzene	11.76	91	253460	20.789	ug/l	100
68) m/p-Xylenes	11.87	106	196732	42.019	ug/l	100
69) o-Xylene	12.19	106	92910	21.024	ug/l	96
70) Styrene	12.21	104	156495	20.924	ug/l	99
71) Bromoform	12.37	173	29432	21.358	ug/l #	96
73) Isopropylbenzene	12.49	105	254791	21.043	ug/l	99
74) N-amyl acetate	12.30	43	53144	20.050	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.74	83	42518	21.067	ug/l	97
76) 1,2,3-Trichloropropane	12.80	75	29289m	21.790	ug/l	
77) Bromobenzene	12.77	156	60203	20.689	ug/l	97
78) n-propylbenzene	12.84	91	299780	21.044	ug/l	97
79) 2-Chlorotoluene	12.92	91	162827	21.192	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	212422	21.045	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.55	75	14264	21.193	ug/l	96
82) 4-Chlorotoluene	13.02	91	172936	21.099	ug/l	96
83) tert-Butylbenzene	13.24	119	179033	20.299	ug/l	96
84) 1,2,4-Trimethylbenzene	13.28	105	213422	20.827	ug/l	98
85) sec-Butylbenzene	13.41	105	253340	20.643	ug/l	99
86) p-Isopropyltoluene	13.53	119	238523	20.695	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	118115	20.673	ug/l	98
88) 1,4-Dichlorobenzene	13.61	146	115391	20.307	ug/l	99
89) n-Butylbenzene	13.86	91	223688	20.391	ug/l	99
90) Hexachloroethane	14.13	117	42536	19.924	ug/l	100
91) 1,2-Dichlorobenzene	13.90	146	99956	20.396	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.53	75	7101	20.853	ug/l	92

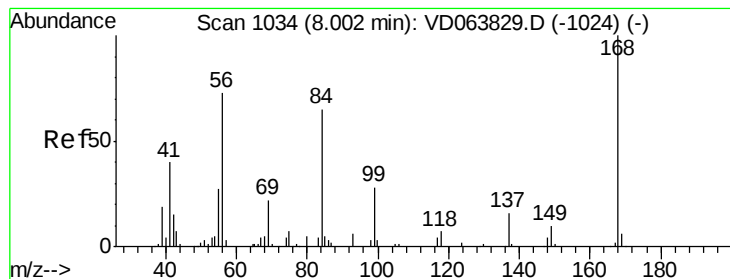
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD092619\
Data File : VD063837.D
Acq On : 26 Sep 2019 14:35
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Sample : VD0926SBS01
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Instrument :
MSVOA_D
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Quant Time: Sep 26 18:27:04 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D092519S.M
Quant Title : SW846 8260
QLast Update : Thu Sep 26 12:03:05 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.18	180	73497	19.748	ug/l	99
94) Hexachlorobutadiene	15.28	225	42706	20.252	ug/l	94
95) Naphthalene	15.41	128	133094	19.914	ug/l	98
96) 1,2,3-Trichlorobenzene	15.61	180	66658	20.202	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.00 min Scan# 1033

Delta R.T. -0.01 min

Lab File: VD063837.D

Acq: 26 Sep 2019 14:35

Instrument :

MSVOA_D

ClientSampleId :

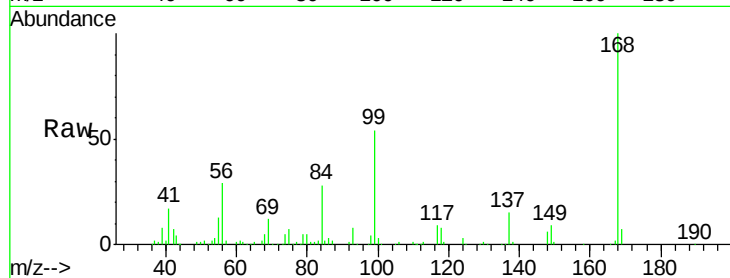
VD0926SBS01

Tot Ion:168 Resp: 215951

Ion Ratio Lower Upper

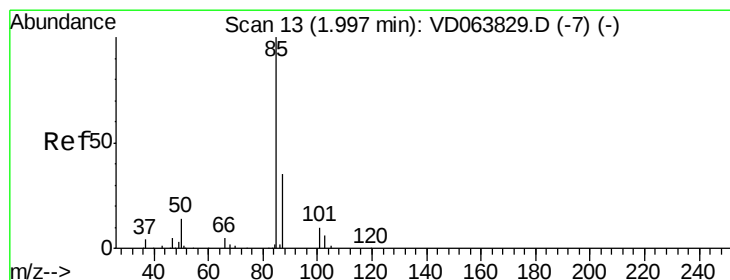
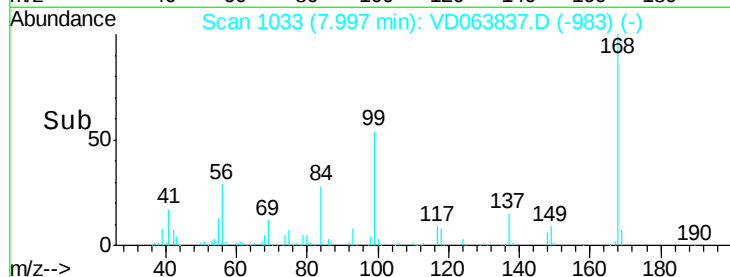
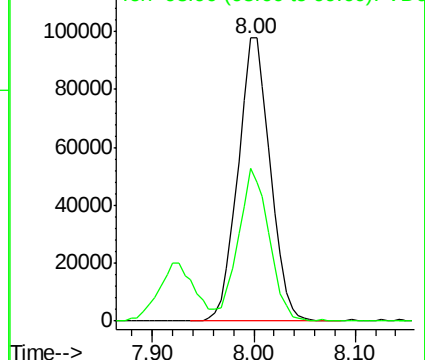
168 100

99 53.9 41.2 61.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 22.113 ug/l

RT: 2.00 min Scan# 13

Delta R.T. 0.00 min

Lab File: VD063837.D

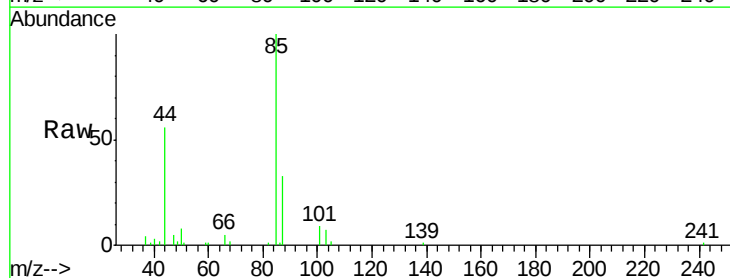
Acq: 26 Sep 2019 14:35

Tgt Ion: 85 Resp: 32750

Ion Ratio Lower Upper

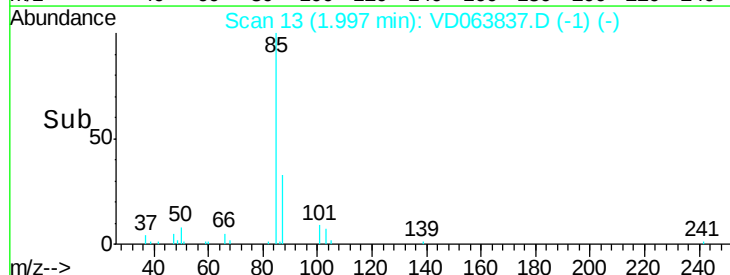
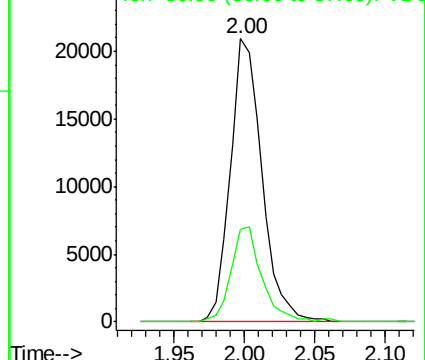
85 100

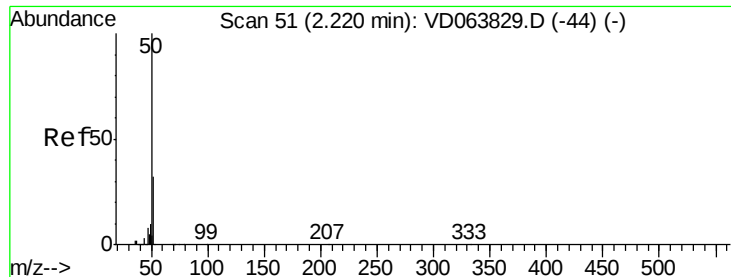
87 32.8 17.3 51.7



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 25.721 ug/l

RT: 2.22 min Scan# 51

Delta R.T. 0.00 min

Lab File: VD063837.D

Acq: 26 Sep 2019 14:35

Instrument :

MSVOA_D

ClientSampleId :

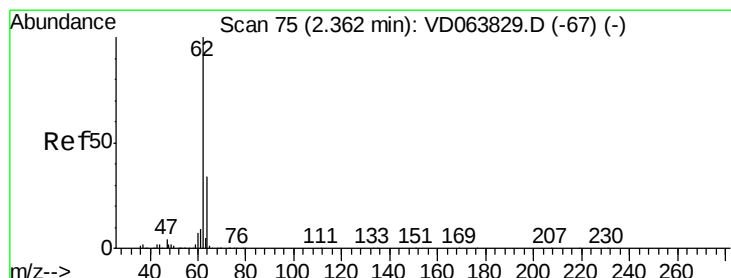
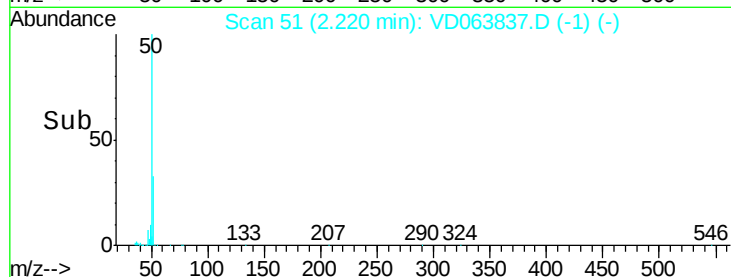
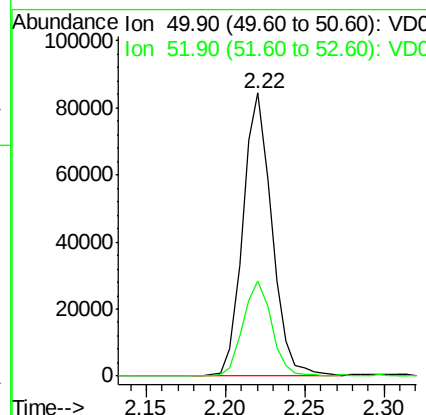
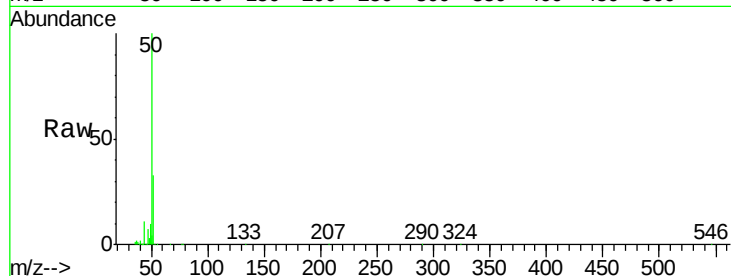
VD0926SBS01

Tot Ion: 50 Resp: 107247

Ion Ratio Lower Upper

50 100

52 33.4 25.6 38.4



#4

Vinyl Chloride

Concen: 24.694 ug/l

RT: 2.36 min Scan# 75

Delta R.T. 0.00 min

Lab File: VD063837.D

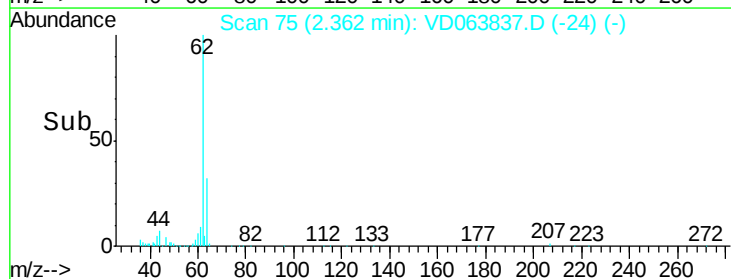
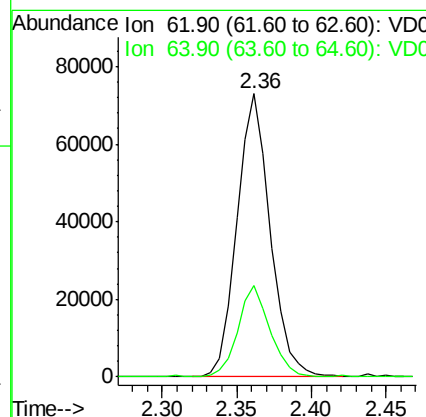
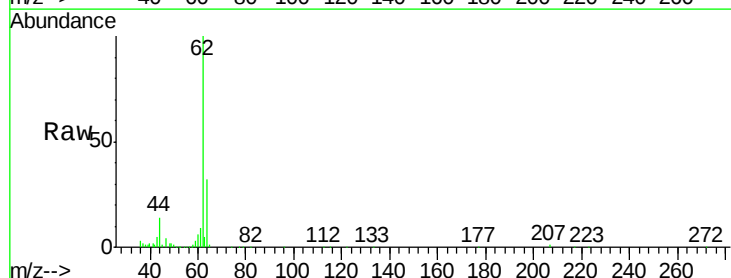
Acq: 26 Sep 2019 14:35

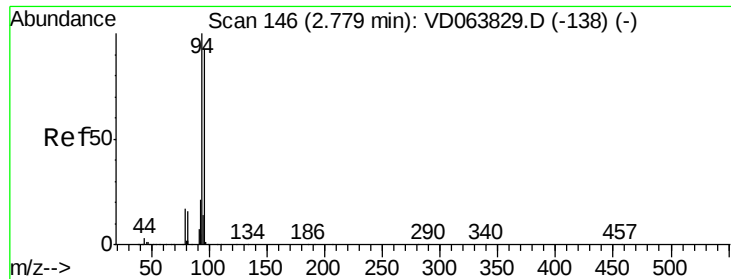
Tgt Ion: 62 Resp: 113110

Ion Ratio Lower Upper

62 100

64 31.9 27.1 40.7





#5

Bromomethane

Concen: 20.109 ug/l

RT: 2.77 min Scan# 145

Delta R.T. -0.01 min

Lab File: VD063837.D

Acq: 26 Sep 2019 14:35

Instrument :

MSVOA_D

ClientSampleId :

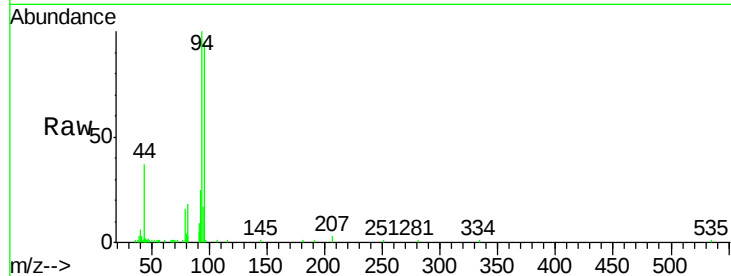
VD0926SBS01

Tot Ion: 94 Resp: 53891

Ion Ratio Lower Upper

94 100

96 93.8 74.2 111.2



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

2.77

25000

20000

15000

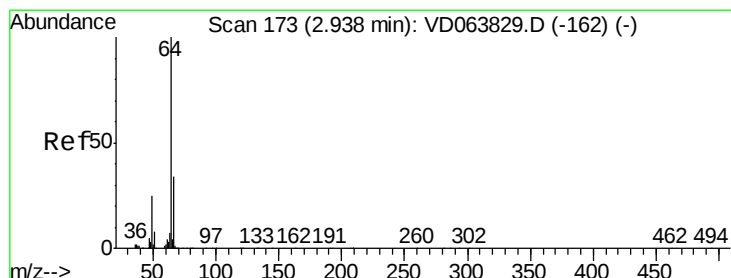
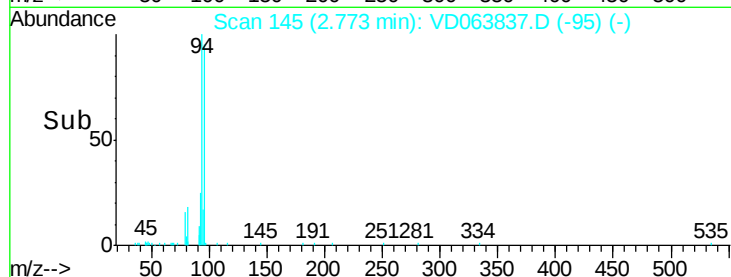
10000

5000

0

2.70 2.75 2.80 2.85

Time-->



#6

Chloroethane

Concen: 23.074 ug/l

RT: 2.93 min Scan# 172

Delta R.T. -0.01 min

Lab File: VD063837.D

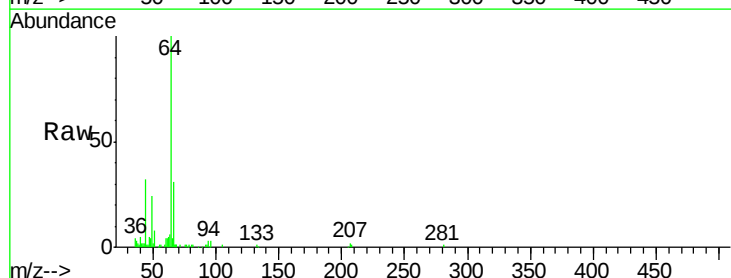
Acq: 26 Sep 2019 14:35

Tgt Ion: 64 Resp: 67725

Ion Ratio Lower Upper

64 100

66 30.7 26.9 40.3



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC

2.93

30000

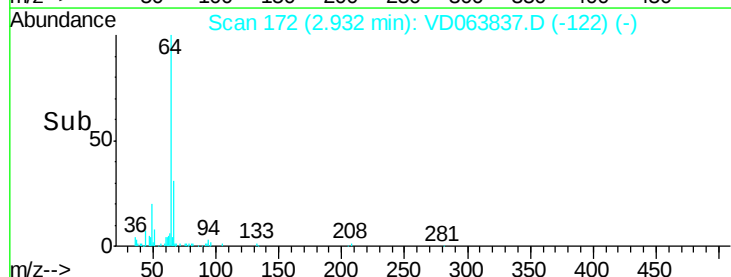
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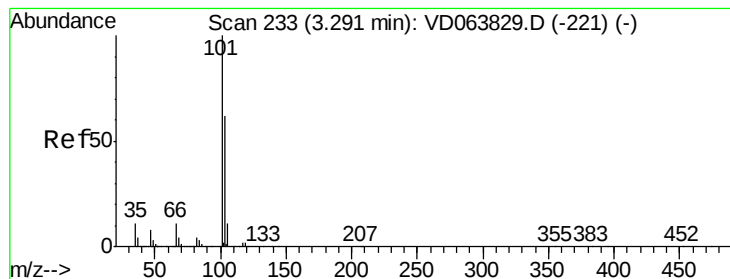
10000

0

2.80 2.90 3.00

Time-->



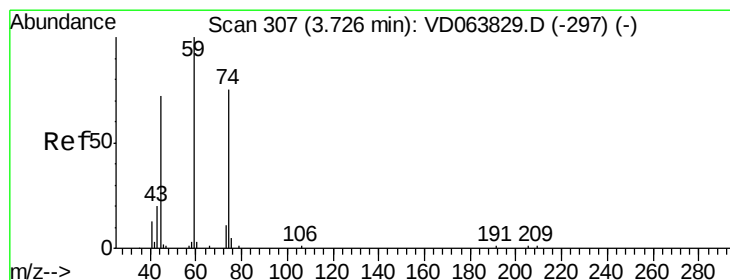
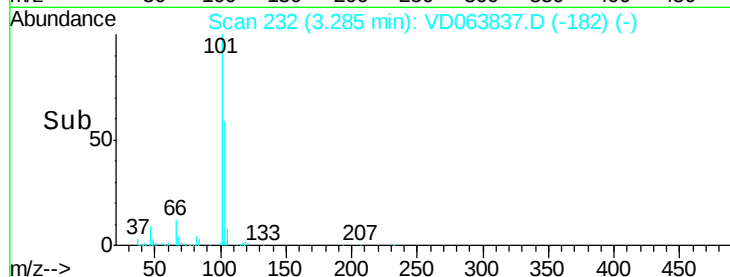
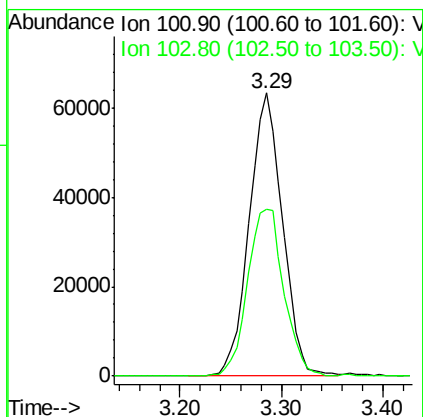
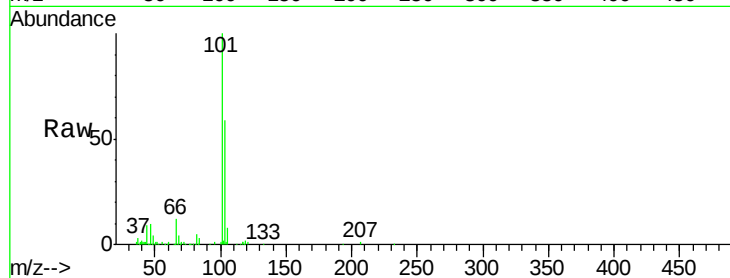


#7

Trichlorofluoromethane
Concen: 23.436 ug/l
RT: 3.29 min Scan# 232
Delta R.T. -0.01 min
Lab File: VD063837.D
Acq: 26 Sep 2019 14:35

Instrument :
MSVOA_D
ClientSampleId :
VD0926SBS01

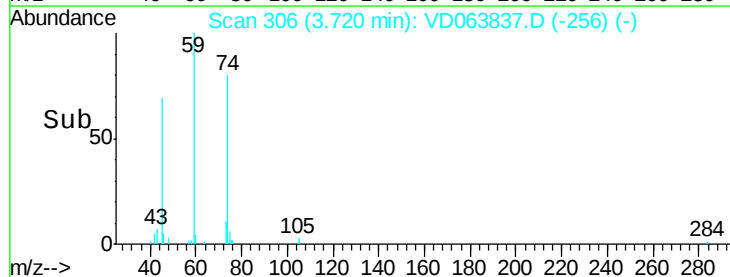
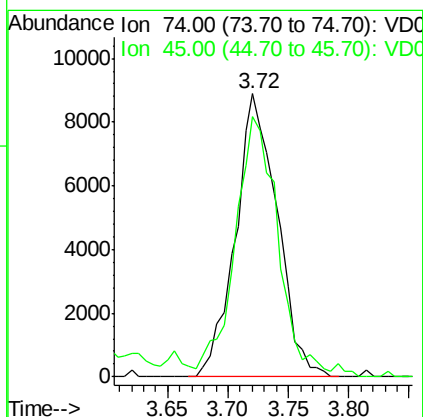
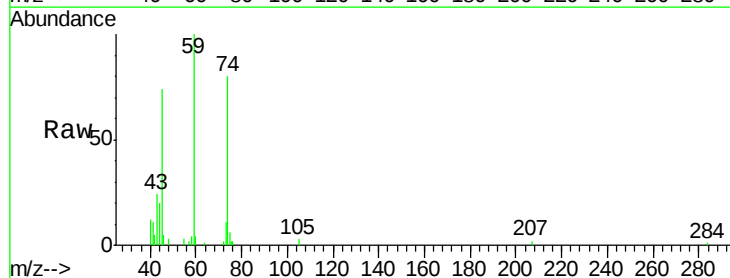
Tot Ion:101 Resp: 144326
Ion Ratio Lower Upper
101 100
103 58.8 49.8 74.8

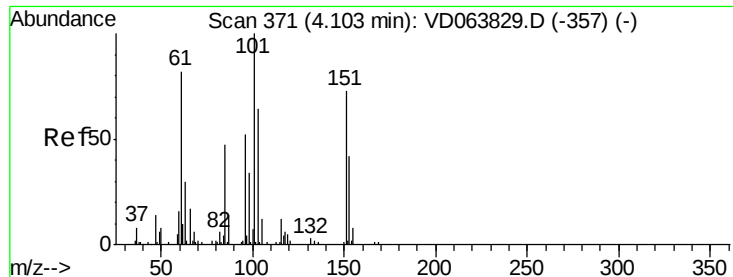


#8

Diethyl Ether
Concen: 22.528 ug/l
RT: 3.72 min Scan# 306
Delta R.T. -0.01 min
Lab File: VD063837.D
Acq: 26 Sep 2019 14:35

Tgt Ion: 74 Resp: 21417
Ion Ratio Lower Upper
74 100
45 89.2 48.9 146.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.014 ug/l

RT: 4.11 min Scan# 372

Delta R.T. 0.01 min

Lab File: VD063837.D

Acq: 26 Sep 2019 14:35

Instrument :

MSVOA_D

ClientSampleId :

VD0926SBS01

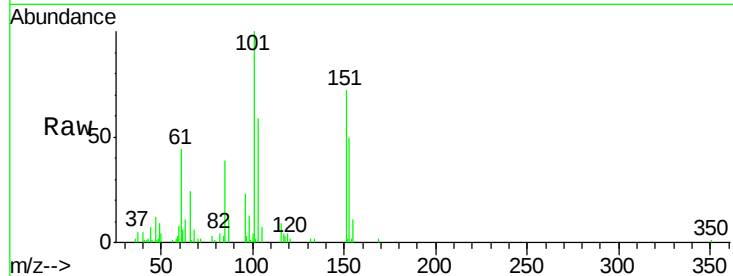
Tot Ion:101 Resp: 38389

Ion Ratio Lower Upper

101 100

85 47.2 37.8 56.6

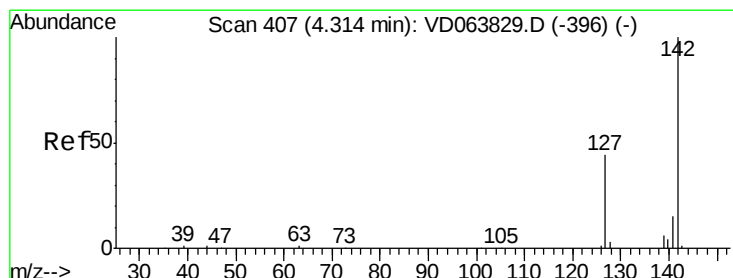
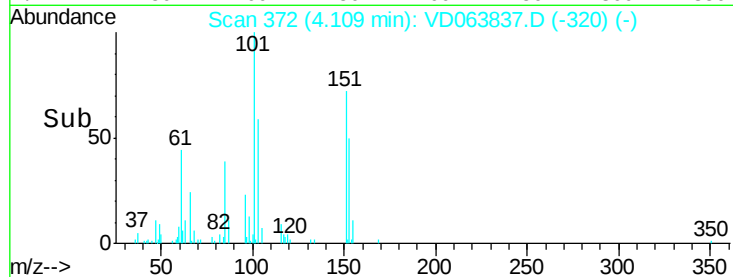
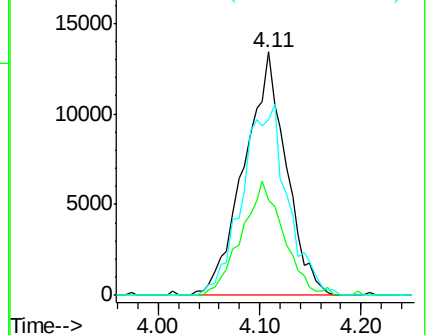
151 85.0 64.2 96.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 21.075 ug/l

RT: 4.31 min Scan# 406

Delta R.T. -0.01 min

Lab File: VD063837.D

Acq: 26 Sep 2019 14:35

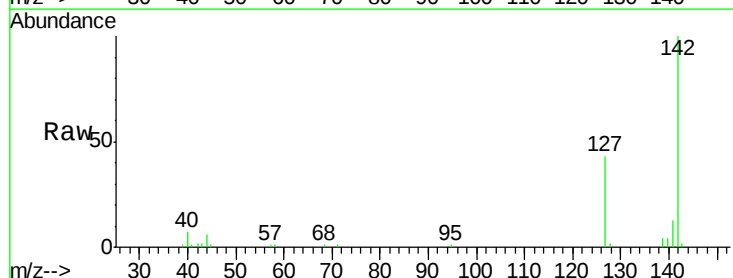
Tgt Ion:142 Resp: 45965

Ion Ratio Lower Upper

142 100

127 47.2 35.8 53.6

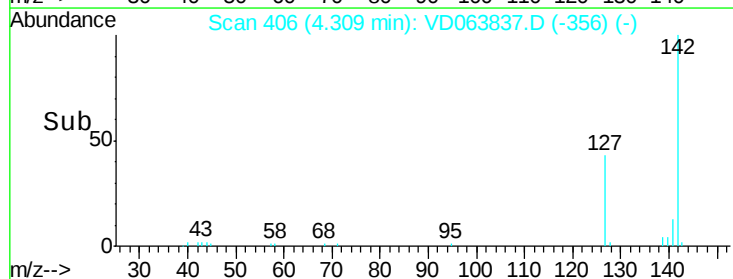
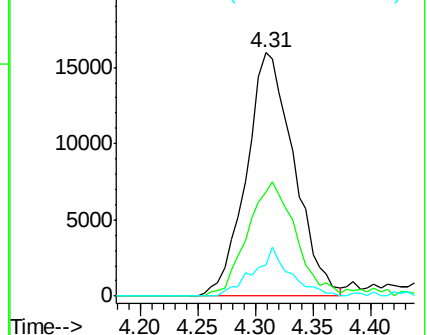
141 15.4 11.9 17.9

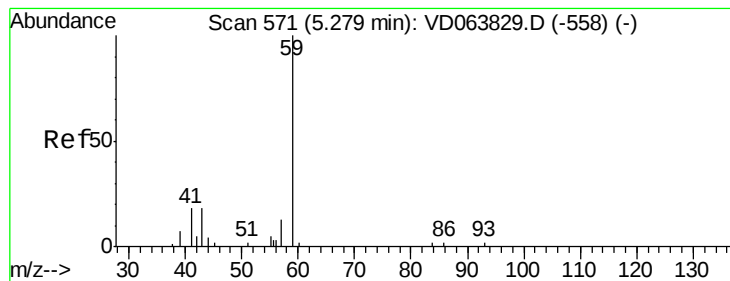


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



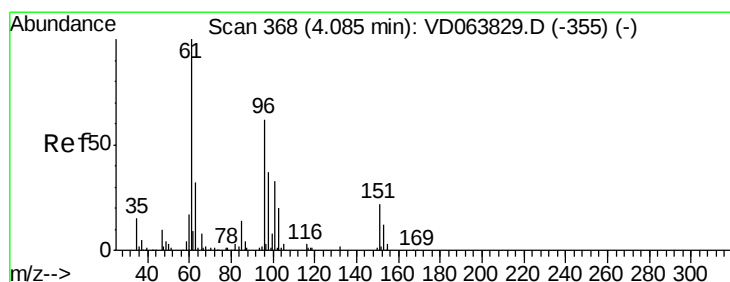
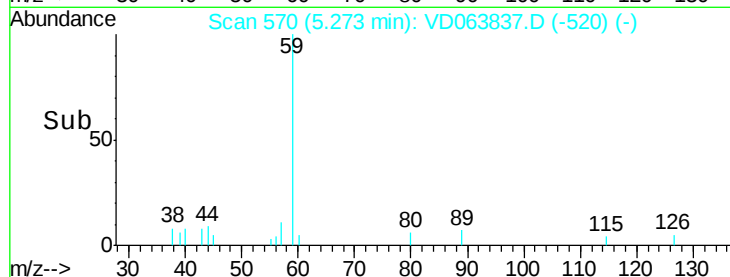
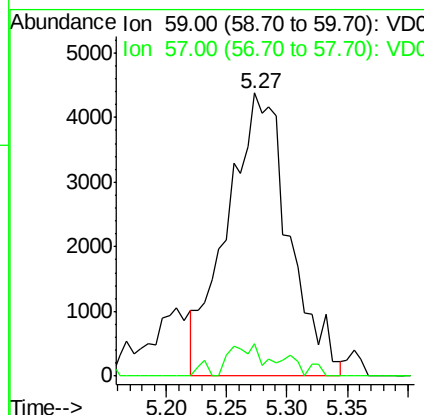
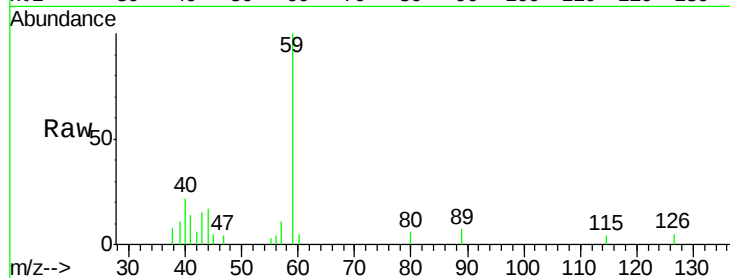


#11

Tert butyl alcohol
 Concen: 105.387 ug/l
 RT: 5.27 min Scan# 570
 Delta R.T. -0.01 min
 Lab File: VD063837.D
 Acq: 26 Sep 2019 14:35

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0926SBS01

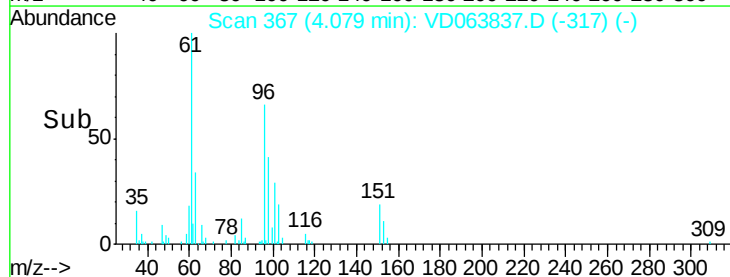
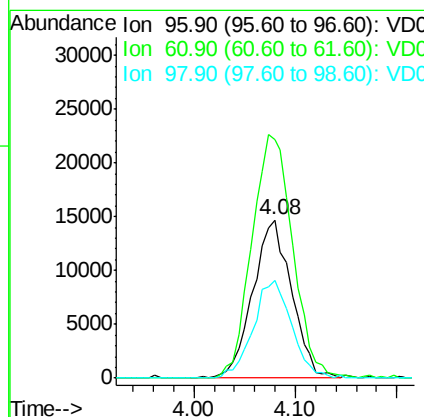
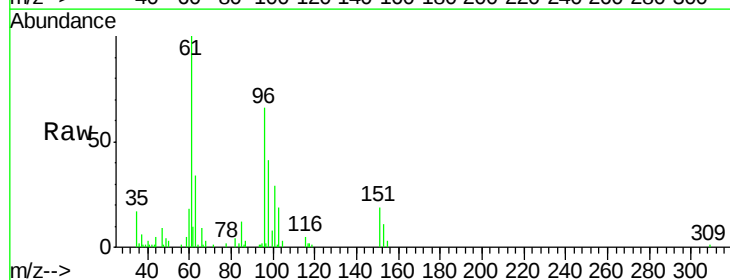
Tot Ion: 59 Resp: 15609
 Ion Ratio Lower Upper
 59 100
 57 6.1 8.3 12.5#

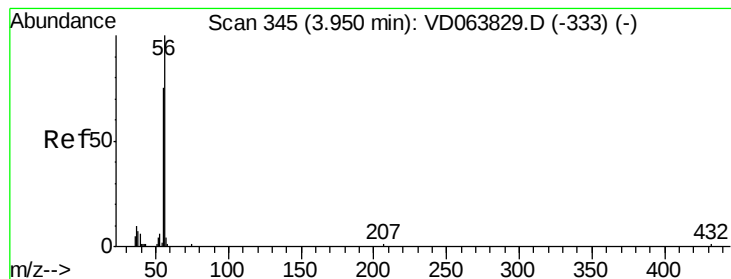


#12

1,1-Dichloroethene
 Concen: 21.186 ug/l
 RT: 4.08 min Scan# 367
 Delta R.T. -0.01 min
 Lab File: VD063837.D
 Acq: 26 Sep 2019 14:35

Tgt Ion: 96 Resp: 39067
 Ion Ratio Lower Upper
 96 100
 61 150.8 129.0 193.4
 98 61.5 47.8 71.6





#13

Acrolein

Concen: 102.870 ug/l

RT: 3.94 min Scan# 343

Delta R.T. -0.01 min

Lab File: VD063837.D

Acq: 26 Sep 2019 14:35

Instrument :

MSVOA_D

ClientSampleId :

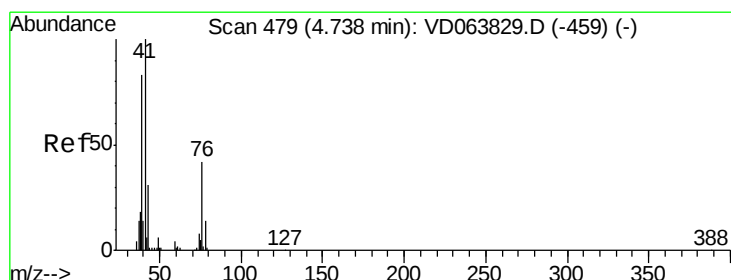
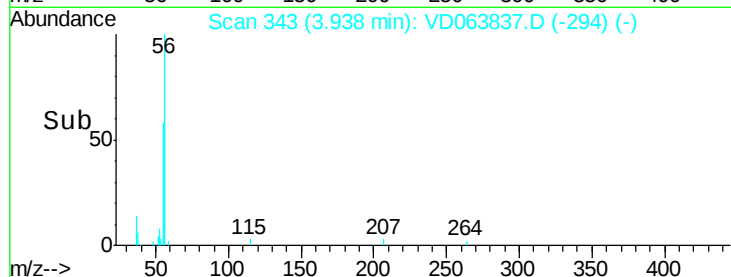
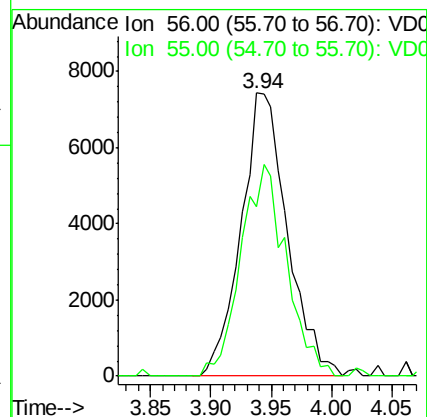
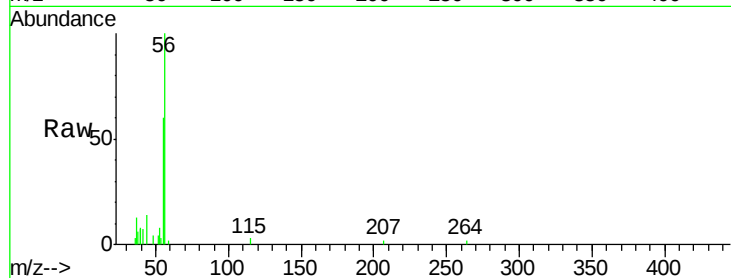
VD0926SBS01

Tot Ion: 56 Resp: 19844

Ion Ratio Lower Upper

56 100

55 72.9 55.0 82.6



#14

Allyl chloride

Concen: 20.229 ug/l

RT: 4.73 min Scan# 477

Delta R.T. -0.01 min

Lab File: VD063837.D

Acq: 26 Sep 2019 14:35

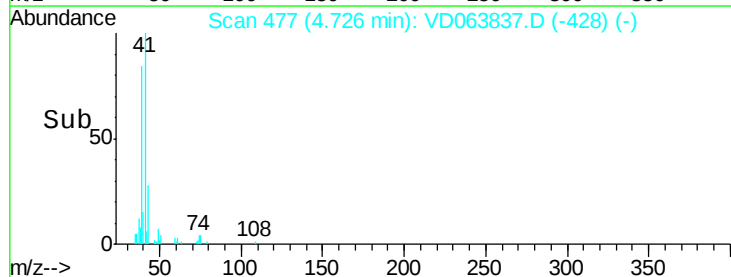
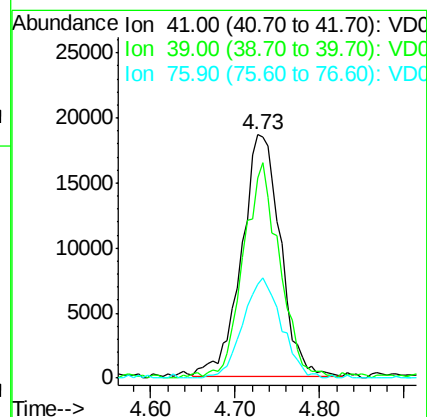
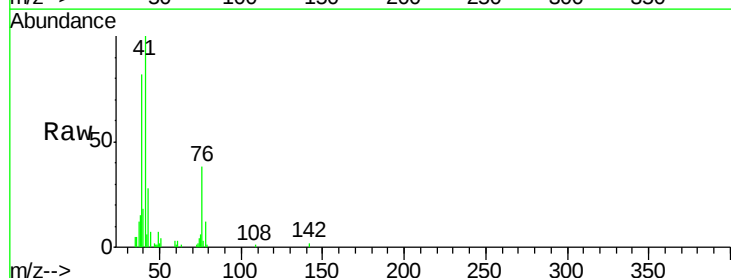
Tgt Ion: 41 Resp: 58965

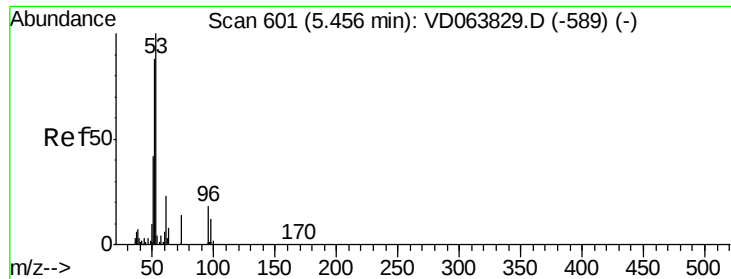
Ion Ratio Lower Upper

41 100

39 83.4 63.7 95.5

76 41.3 33.5 50.3





#15

Acrylonitrile

Concen: 109.511 ug/l

RT: 5.46 min Scan# 602

Delta R.T. 0.01 min

Lab File: VD063837.D

Acq: 26 Sep 2019 14:35

Instrument :

MSVOA_D

ClientSampleId :

VD0926SBS01

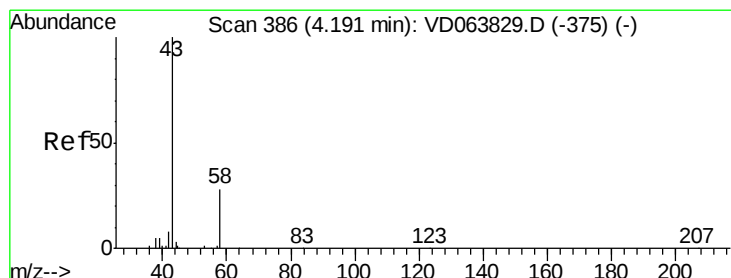
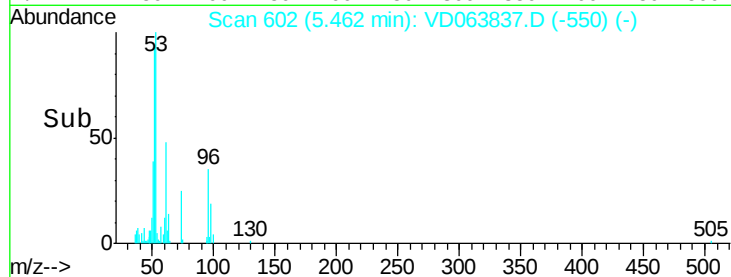
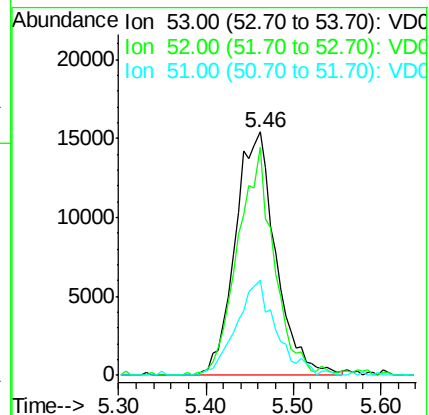
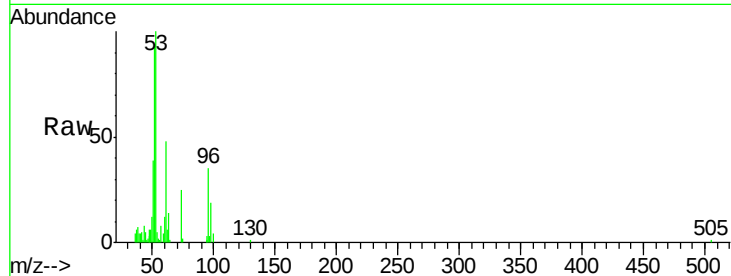
Tot Ion: 53 Resp: 48579

Ion Ratio Lower Upper

53 100

52 83.3 68.7 103.1

51 37.8 30.7 46.1



#16

Acetone

Concen: 111.256 ug/l

RT: 4.19 min Scan# 386

Delta R.T. 0.00 min

Lab File: VD063837.D

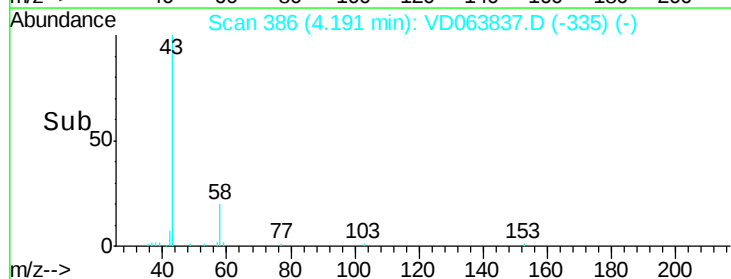
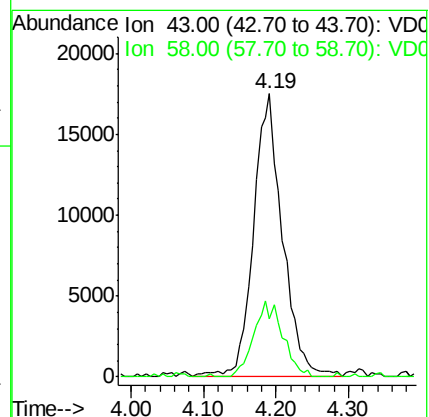
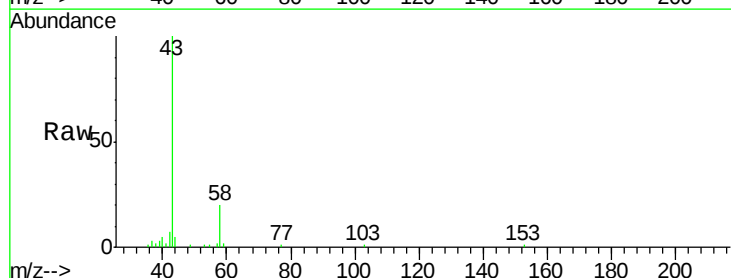
Acq: 26 Sep 2019 14:35

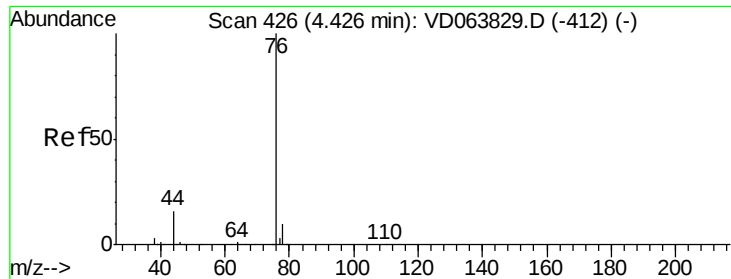
Tgt Ion: 43 Resp: 48688

Ion Ratio Lower Upper

43 100

58 20.4 22.6 34.0#

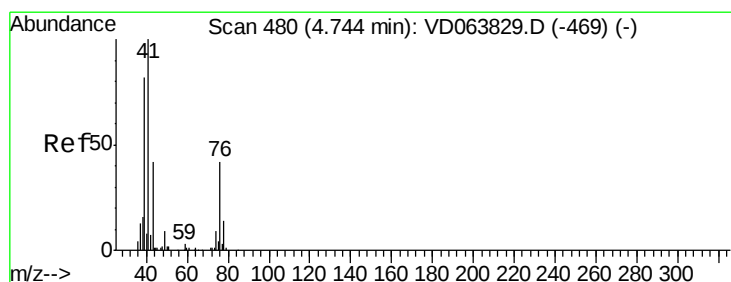
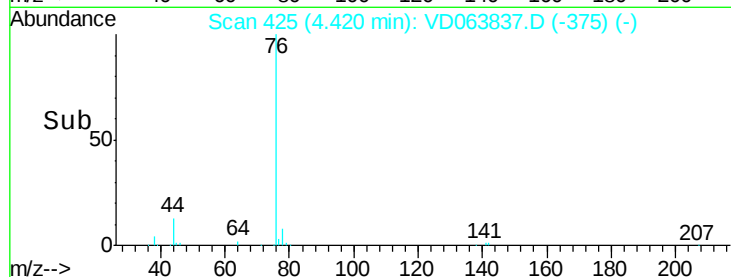
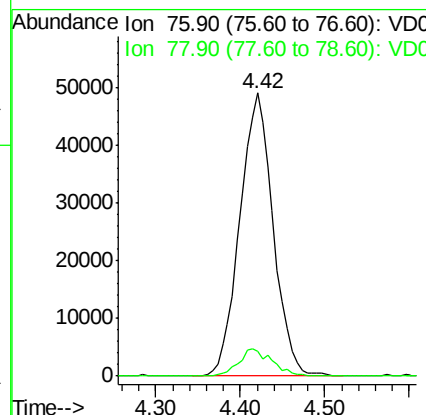
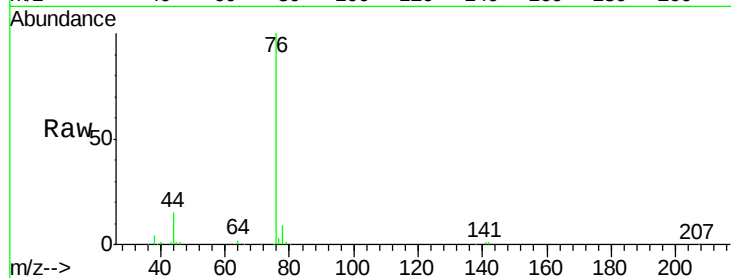




#17
Carbon Disulfide
Concen: 21.542 ug/l
RT: 4.42 min Scan# 425
Delta R.T. -0.01 min
Lab File: VD063837.D
Acq: 26 Sep 2019 14:35

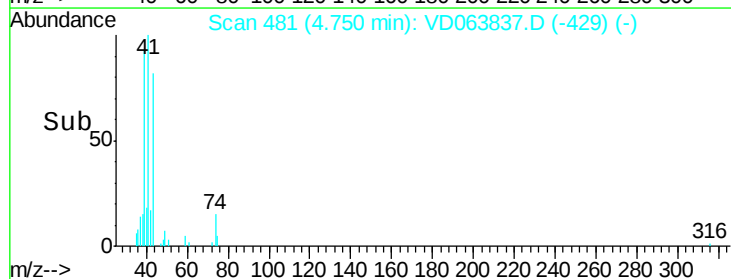
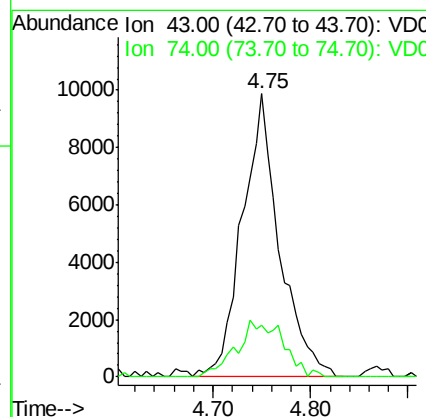
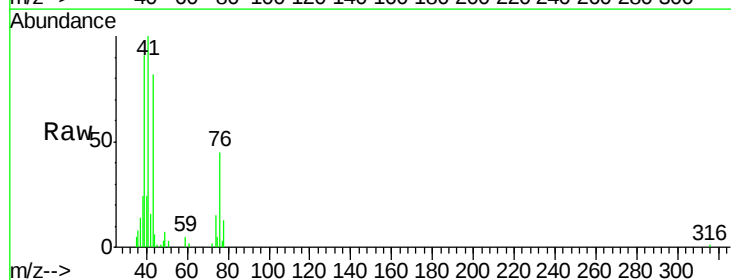
Instrument :
MSVOA_D
ClientSampleId :
VD0926SBS01

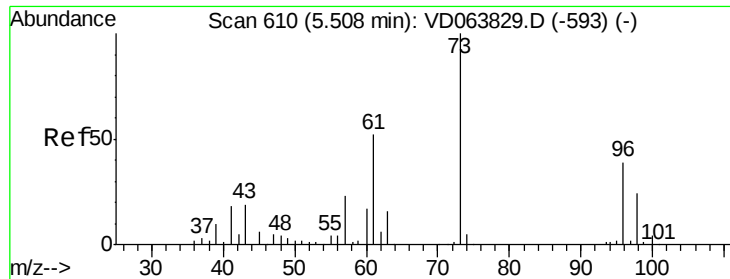
Tot Ion: 76 Resp: 134284
Ion Ratio Lower Upper
76 100
78 8.7 7.9 11.9



#18
Methyl Acetate
Concen: 25.042 ug/l
RT: 4.75 min Scan# 481
Delta R.T. 0.01 min
Lab File: VD063837.D
Acq: 26 Sep 2019 14:35

Tgt Ion: 43 Resp: 26267
Ion Ratio Lower Upper
43 100
74 25.1 18.6 28.0

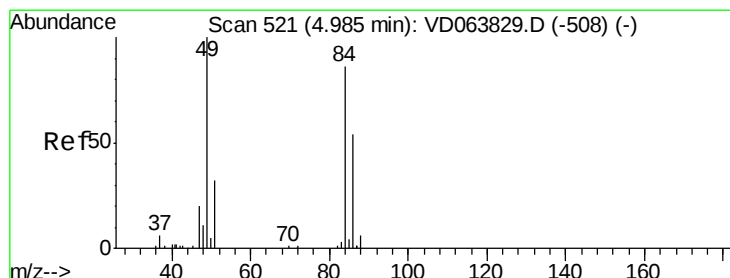
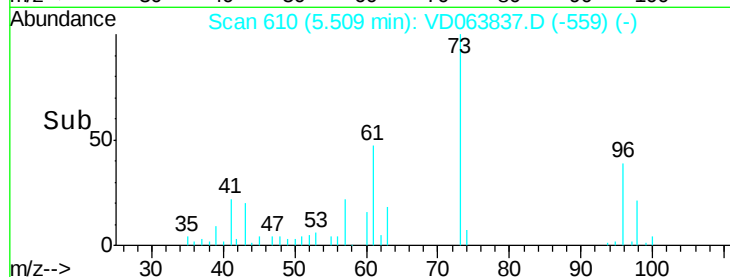
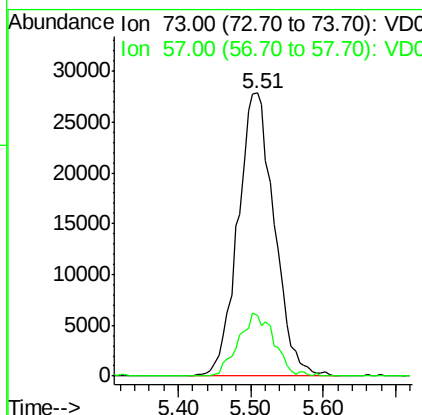
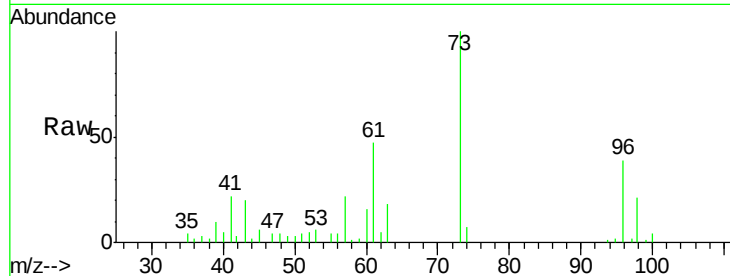




#19
Methyl tert-butyl Ether
Concen: 21.004 ug/l
RT: 5.51 min Scan# 610
Delta R.T. 0.00 min
Lab File: VD063837.D
Acq: 26 Sep 2019 14:35

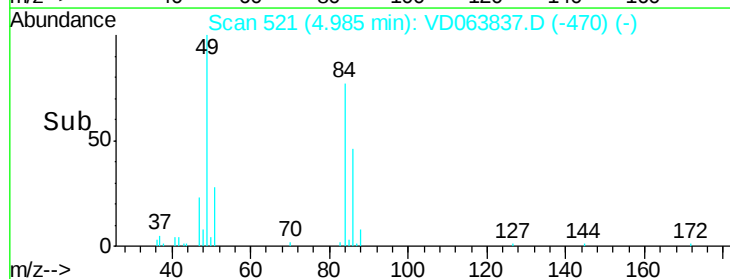
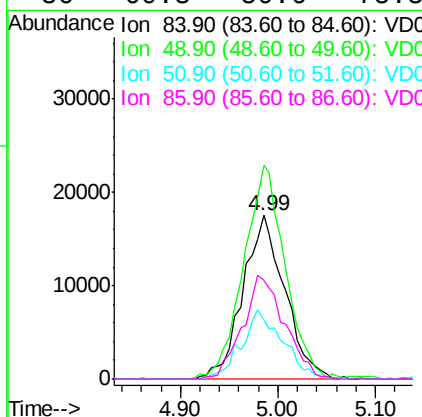
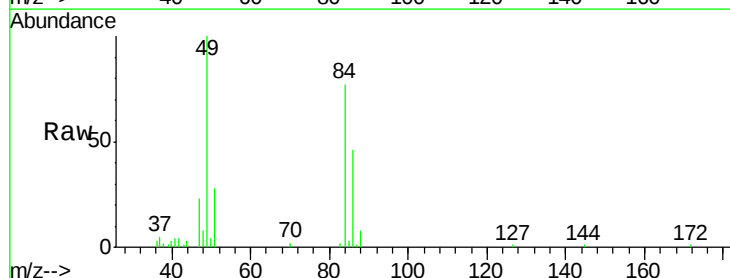
Instrument :
MSVOA_D
ClientSampleId :
VD0926SBS01

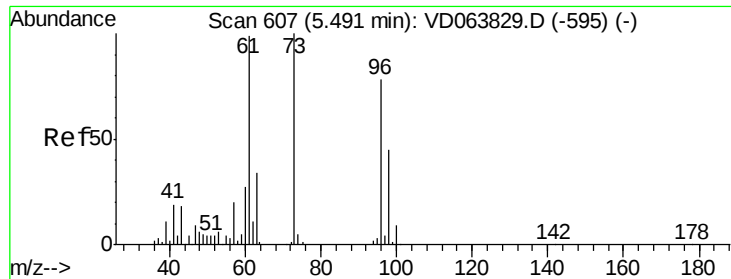
Tot Ion: 73 Resp: 96971
Ion Ratio Lower Upper
73 100
57 21.6 18.7 28.1



#20
Methylene Chloride
Concen: 20.564 ug/l
RT: 4.99 min Scan# 521
Delta R.T. 0.00 min
Lab File: VD063837.D
Acq: 26 Sep 2019 14:35

Tgt Ion: 84 Resp: 52577
Ion Ratio Lower Upper
84 100
49 130.4 93.6 140.4
51 35.9 29.8 44.6
86 60.3 50.6 75.8





#21

trans-1,2-Dichloroethene

Concen: 22.546 ug/l

RT: 5.49 min Scan# 607

Delta R.T. 0.00 min

Lab File: VD063837.D

Acq: 26 Sep 2019 14:35

Instrument :

MSVOA_D

ClientSampleId :

VD0926SBS01

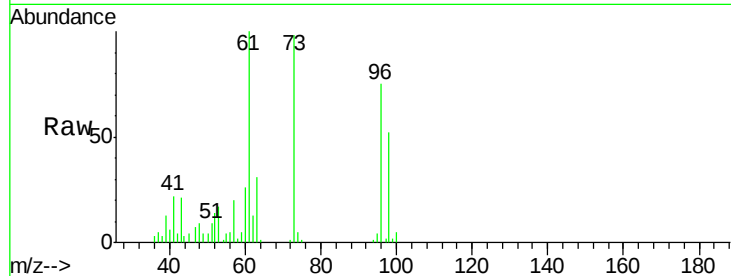
Tot Ion: 96 Resp: 48394

Ion Ratio Lower Upper

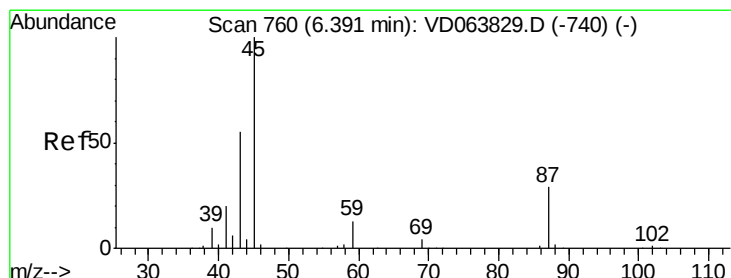
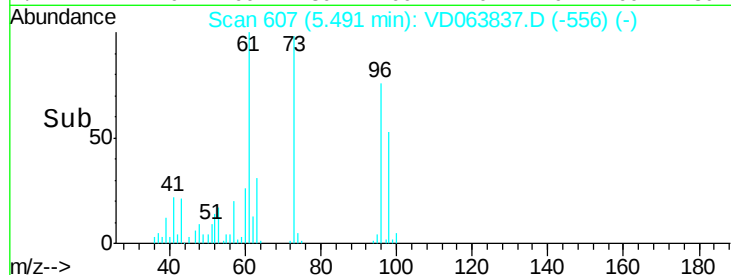
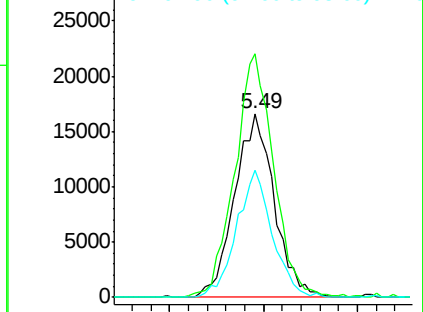
96 100

61 131.7 101.3 151.9

98 69.4 45.4 68.2#



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



#22

Diisopropyl ether

Concen: 21.996 ug/l

RT: 6.40 min Scan# 761

Delta R.T. 0.01 min

Lab File: VD063837.D

Acq: 26 Sep 2019 14:35

Tgt Ion: 45 Resp: 132418

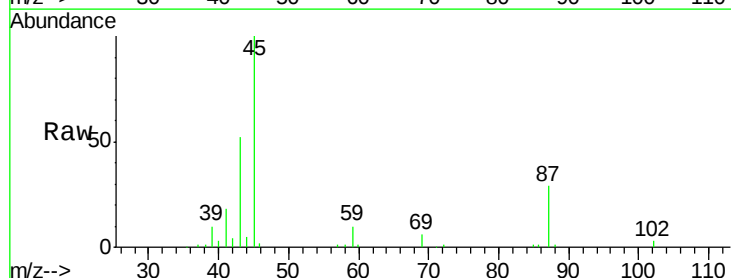
Ion Ratio Lower Upper

45 100

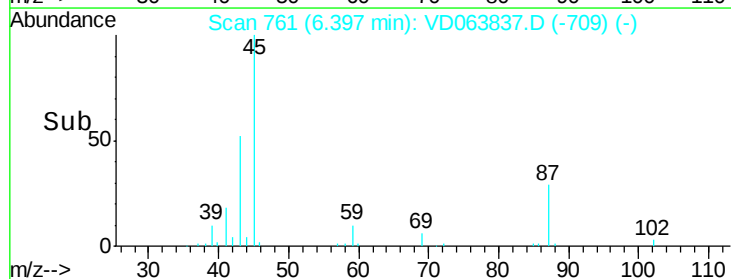
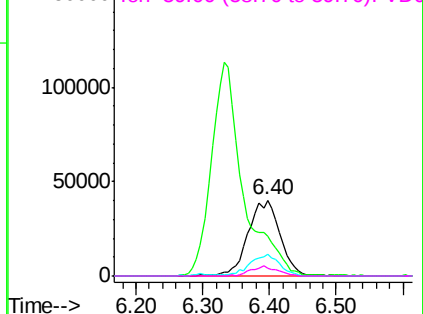
43 50.1 44.2 66.2

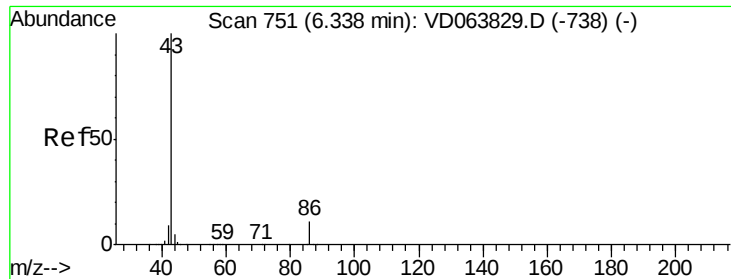
87 29.2 23.9 35.9

59 10.3 10.0 15.0



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: 106.228 ug/l

RT: 6.33 min Scan# 750

Delta R.T. -0.01 min

Lab File: VD063837.D

Acq: 26 Sep 2019 14:35

Instrument :

MSVOA_D

ClientSampleId :

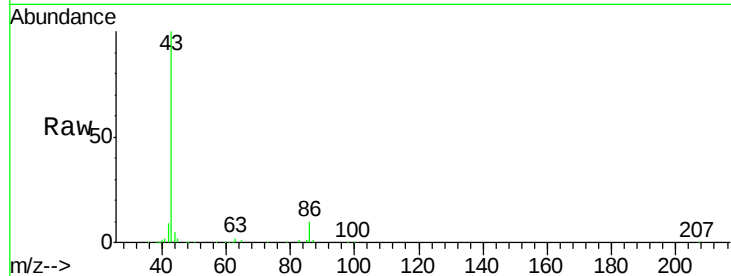
VD0926SBS01

Tot Ion: 43 Resp: 378255

Ion Ratio Lower Upper

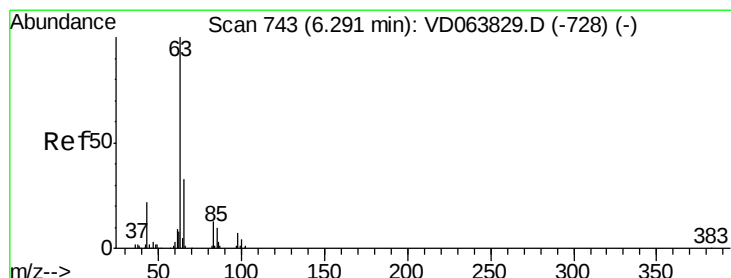
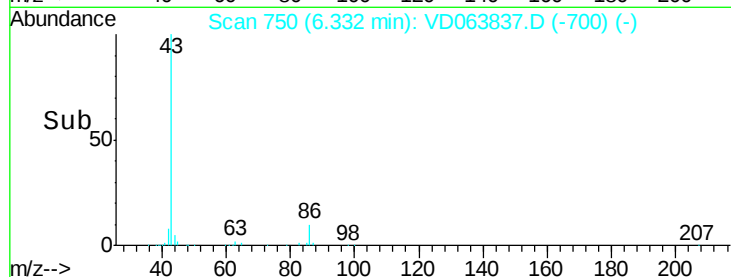
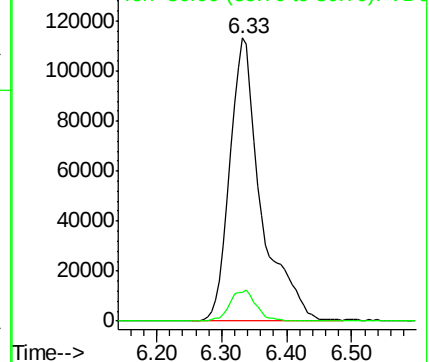
43 100

86 10.0 8.8 13.2



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 22.062 ug/l

RT: 6.29 min Scan# 743

Delta R.T. 0.00 min

Lab File: VD063837.D

Acq: 26 Sep 2019 14:35

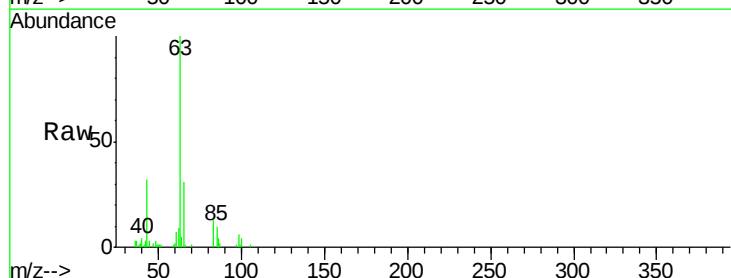
Tgt Ion: 63 Resp: 80692

Ion Ratio Lower Upper

63 100

98 6.4 3.5 10.5

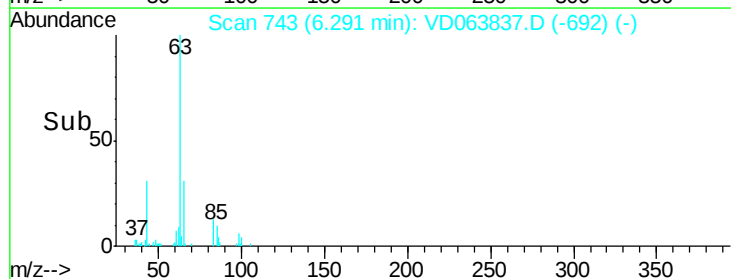
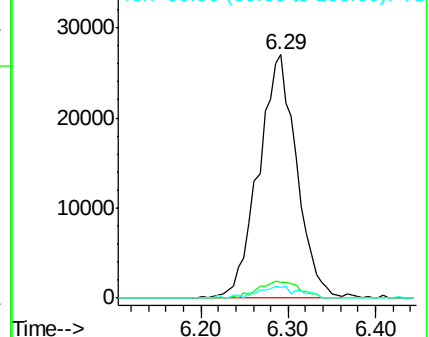
100 4.5 2.0 6.0

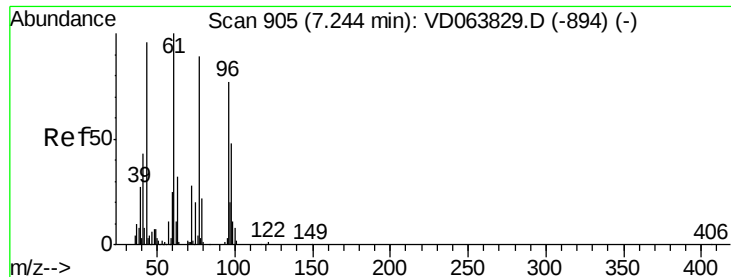


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC

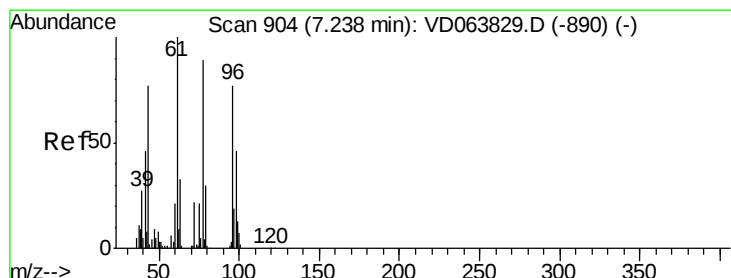
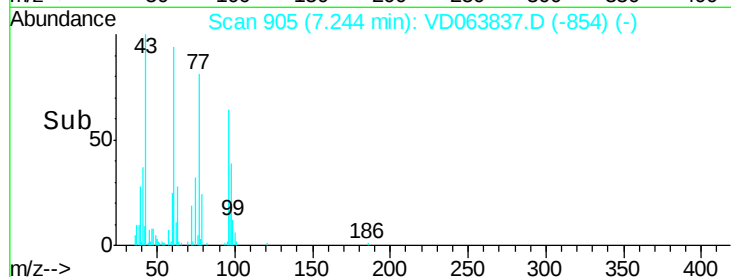
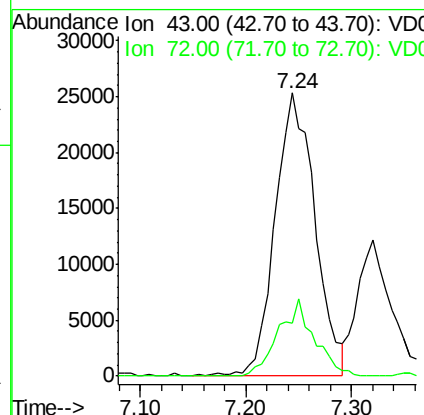
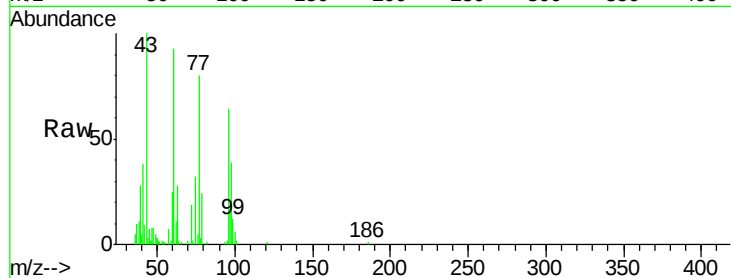




#25
 2-Butanone
 Concen: 111.190 ug/l
 RT: 7.24 min Scan# 905
 Delta R.T. 0.00 min
 Lab File: VD063837.D
 Acq: 26 Sep 2019 14:35

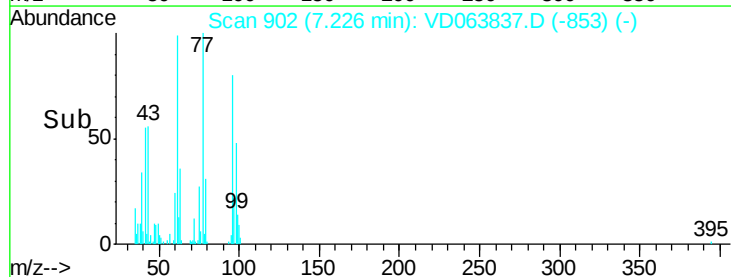
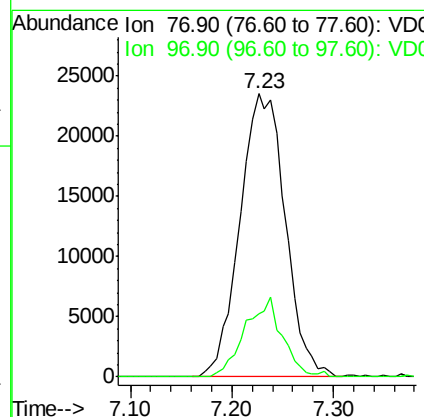
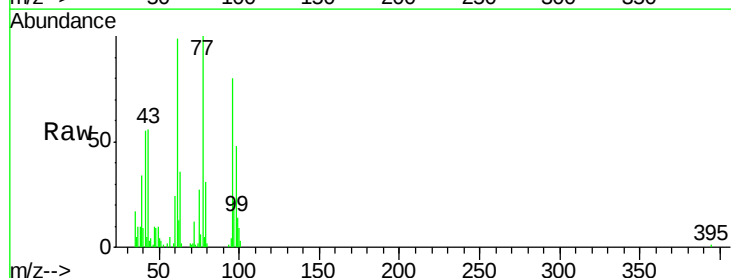
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0926SBS01

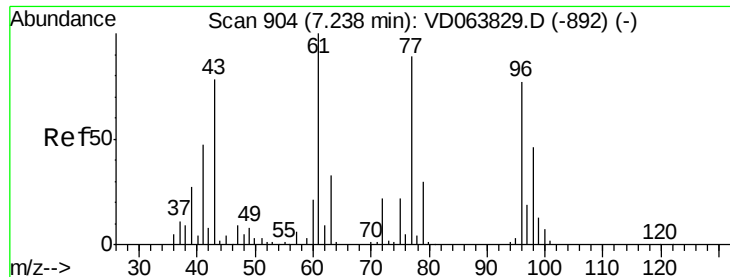
Tot Ion: 43 Resp: 66349
 Ion Ratio Lower Upper
 43 100
 72 18.8 23.5 35.3#



#26
 2,2-Dichloropropane
 Concen: 21.308 ug/l
 RT: 7.23 min Scan# 902
 Delta R.T. -0.01 min
 Lab File: VD063837.D
 Acq: 26 Sep 2019 14:35

Tgt Ion: 77 Resp: 72885
 Ion Ratio Lower Upper
 77 100
 97 23.2 10.9 32.7



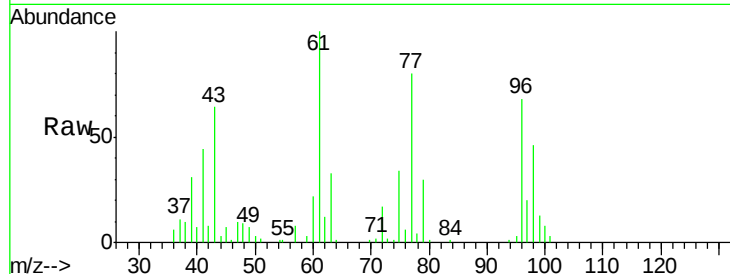


#27

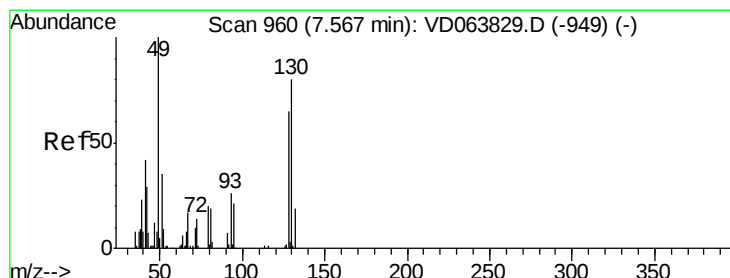
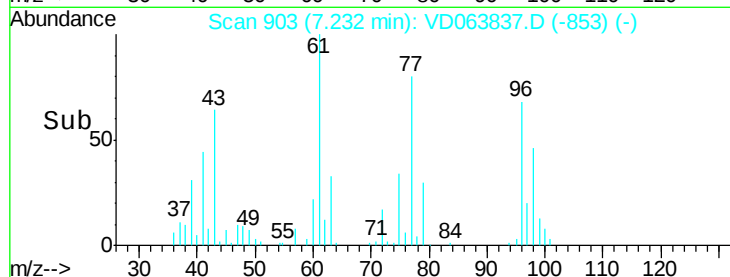
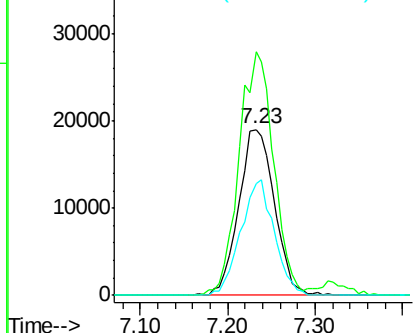
cis-1,2-Dichloroethene
 Concen: 21.856 ug/l
 RT: 7.23 min Scan# 903
 Delta R.T. -0.01 min
 Lab File: VD063837.D
 Acq: 26 Sep 2019 14:35

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0926SBS01

Tot Ion: 96 Resp: 52640
 Ion Ratio Lower Upper
 96 100
 61 142.7 0.0 275.6
 98 64.8 0.0 130.2



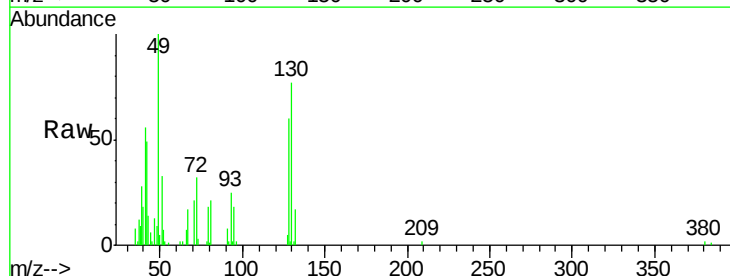
Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.90 (60.60 to 61.60): VDC
 Ion 97.90 (97.60 to 98.60): VDC



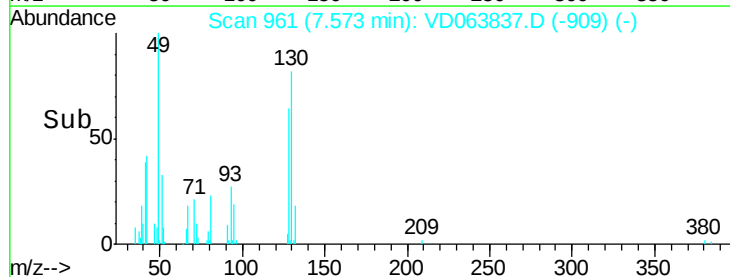
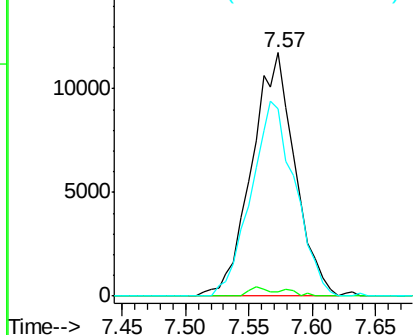
#28

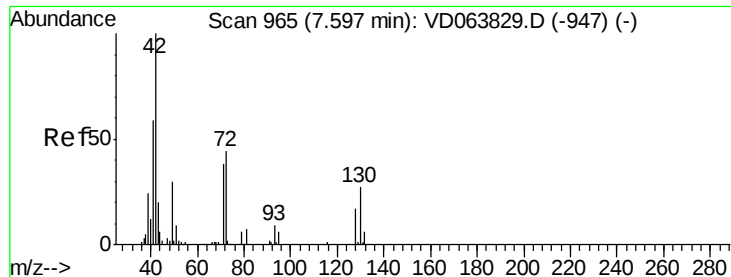
Bromochloromethane
 Concen: 19.398 ug/l
 RT: 7.57 min Scan# 961
 Delta R.T. 0.01 min
 Lab File: VD063837.D
 Acq: 26 Sep 2019 14:35

Tgt Ion: 49 Resp: 27839
 Ion Ratio Lower Upper
 49 100
 129 1.5 0.0 2.6
 130 82.1 67.0 100.4



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





#29

Tetrahydrofuran

Concen: 111.678 ug/l

RT: 7.59 min Scan# 964

Delta R.T. -0.01 min

Lab File: VD063837.D

Acq: 26 Sep 2019 14:35

Instrument :

MSVOA_D

ClientSampleId :

VD0926SBS01

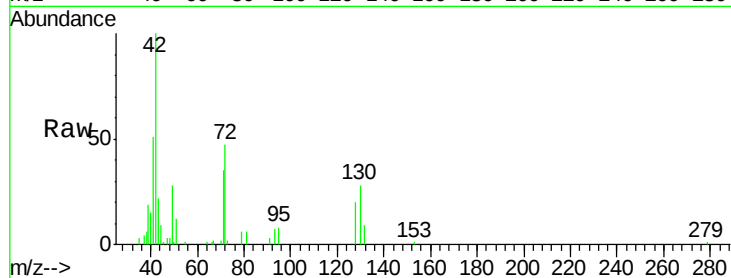
Tot Ion: 42 Resp: 39930

Ion Ratio Lower Upper

42 100

72 44.6 37.3 55.9

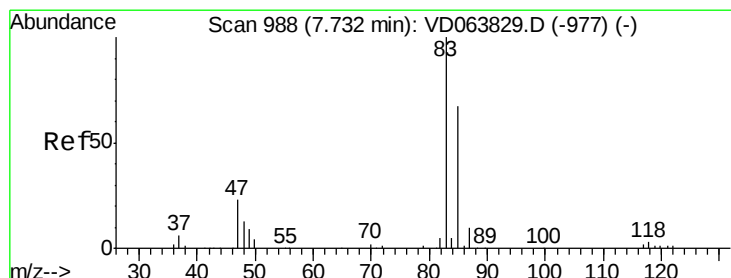
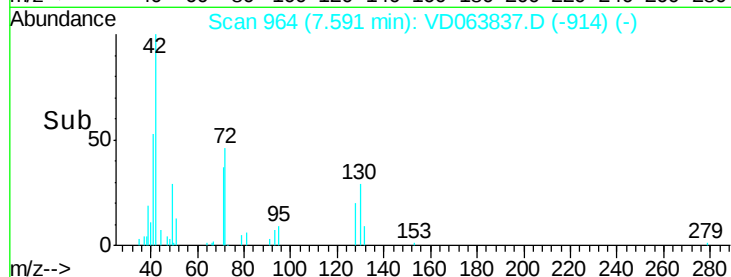
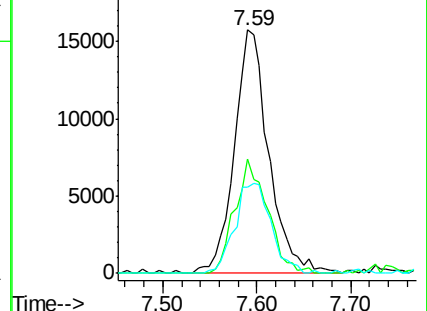
71 39.2 33.4 50.2



Abundance Ion 42.00 (41.70 to 42.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

Ion 71.00 (70.70 to 71.70): VDC



#30

Chloroform

Concen: 21.105 ug/l

RT: 7.73 min Scan# 988

Delta R.T. 0.00 min

Lab File: VD063837.D

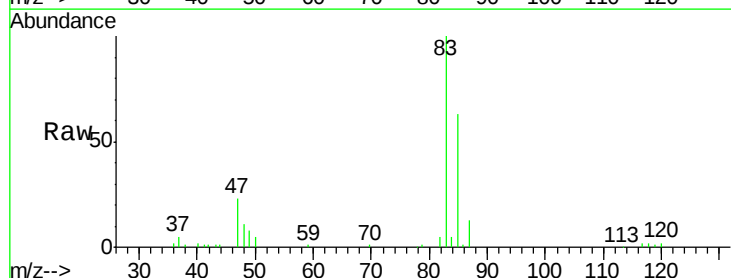
Acq: 26 Sep 2019 14:35

Tgt Ion: 83 Resp: 83842

Ion Ratio Lower Upper

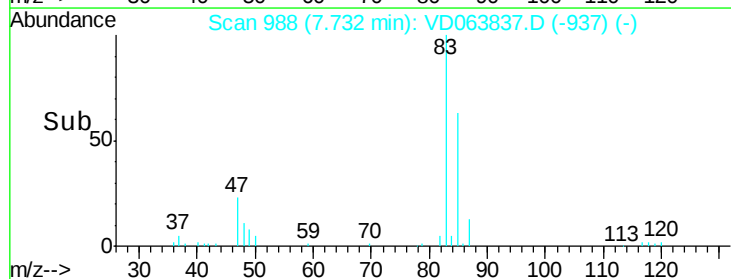
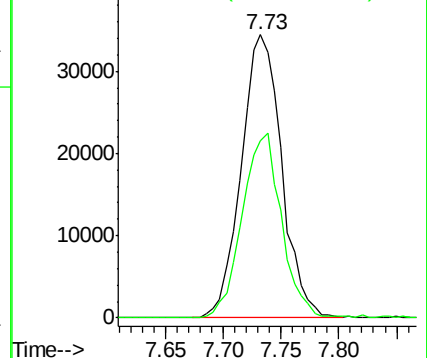
83 100

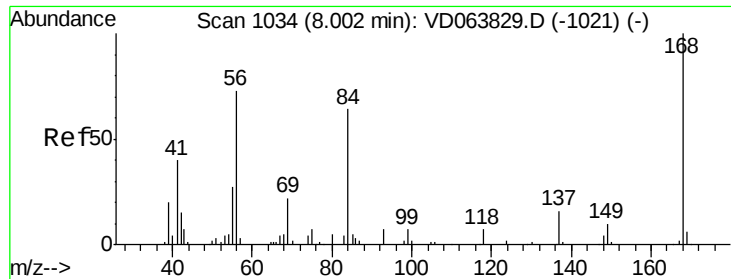
85 62.8 53.4 80.2



Abundance Ion 82.90 (82.60 to 83.60): VDC

Ion 84.90 (84.60 to 85.60): VDC

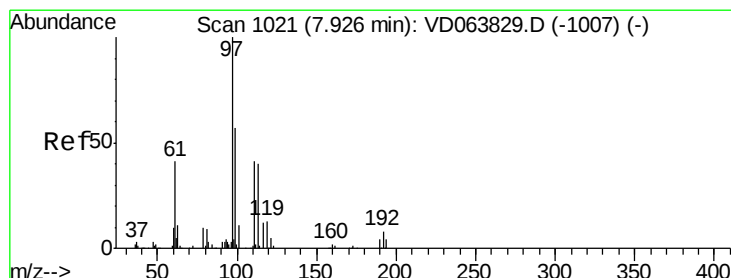
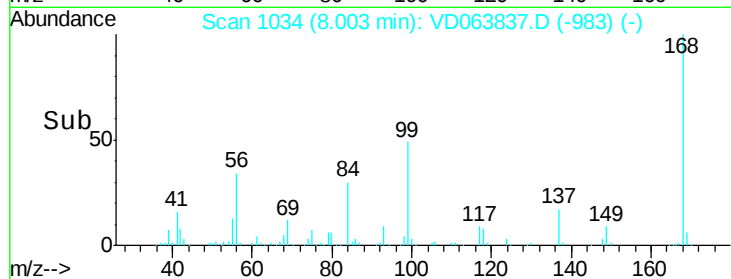
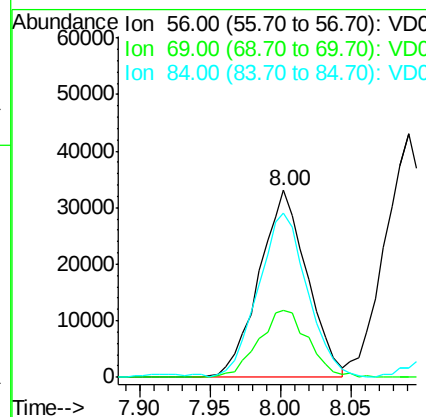
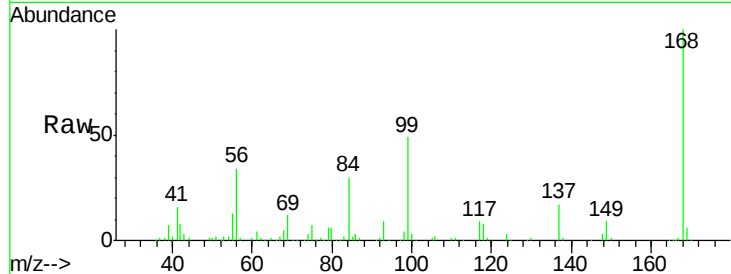




#31
Cyclohexane
Concen: 22.547 ug/l
RT: 8.00 min Scan# 1034
Delta R.T. 0.00 min
Lab File: VD063837.D
Acq: 26 Sep 2019 14:35

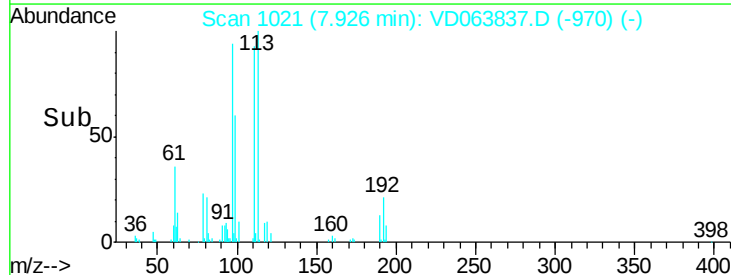
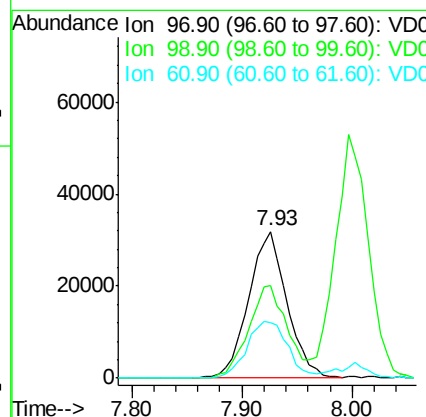
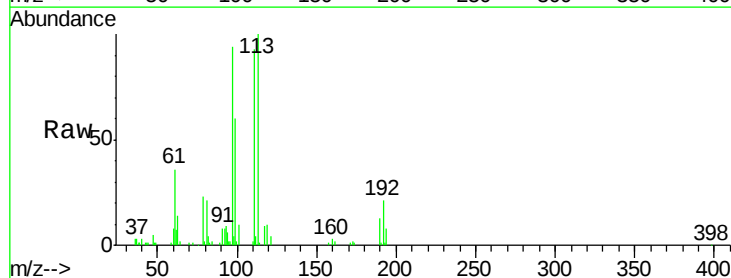
Instrument :
MSVOA_D
ClientSampleId :
VD0926SBS01

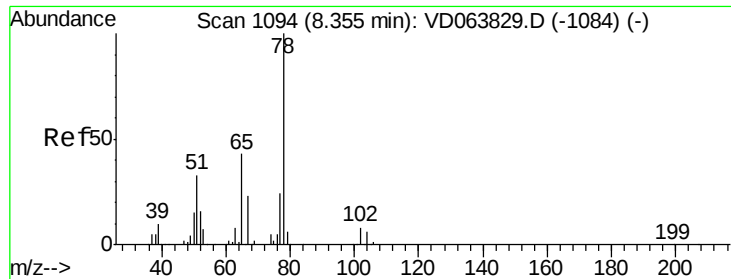
Tot Ion: 56 Resp: 78760
Ion Ratio Lower Upper
56 100
69 36.0 23.1 34.7#
84 86.4 69.7 104.5



#32
1,1,1-Trichloroethane
Concen: 21.646 ug/l
RT: 7.93 min Scan# 1021
Delta R.T. 0.00 min
Lab File: VD063837.D
Acq: 26 Sep 2019 14:35

Tgt Ion: 97 Resp: 77755
Ion Ratio Lower Upper
97 100
99 62.7 52.9 79.3
61 41.3 35.8 53.8





#33

1,2-Dichloroethane-d4

Concen: 50.613 ug/l

RT: 8.35 min Scan# 1093

Delta R.T. -0.01 min

Lab File: VD063837.D

Acq: 26 Sep 2019 14:35

Instrument :

MSVOA_D

ClientSampleId :

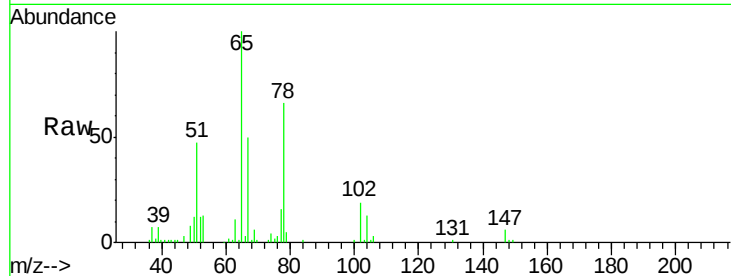
VD0926SBS01

Tot Ion: 65 Resp: 102917

Ion Ratio Lower Upper

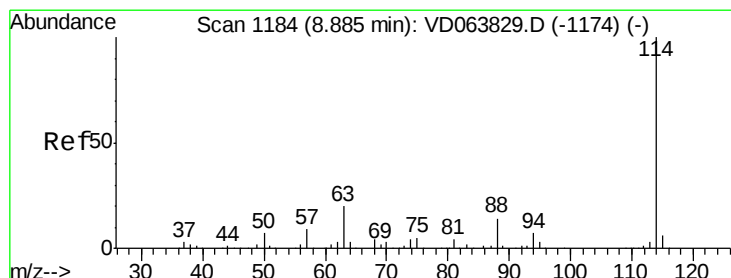
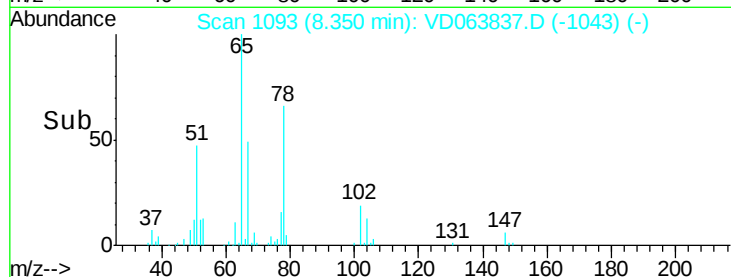
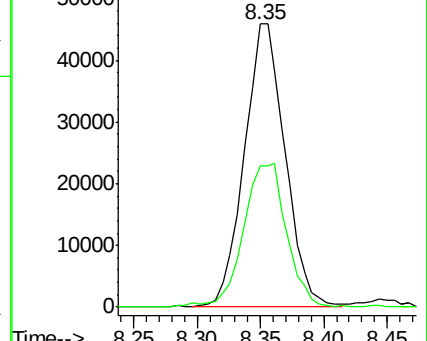
65 100

67 53.7 0.0 107.4



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: 8.88 min Scan# 1184

Delta R.T. 0.00 min

Lab File: VD063837.D

Acq: 26 Sep 2019 14:35

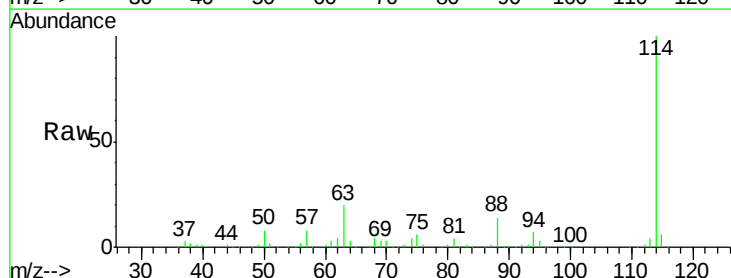
Tgt Ion: 114 Resp: 342620

Ion Ratio Lower Upper

114 100

63 19.6 0.0 39.2

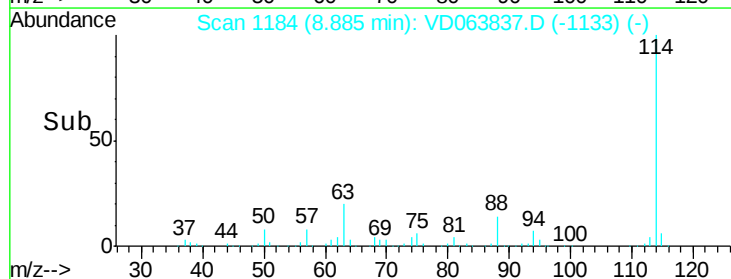
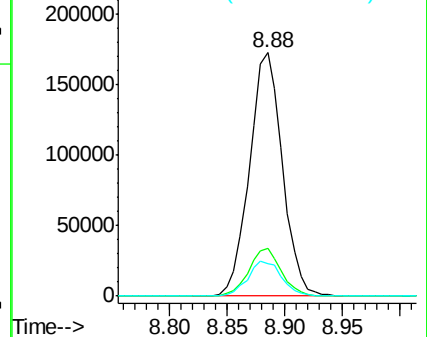
88 13.5 0.0 28.4

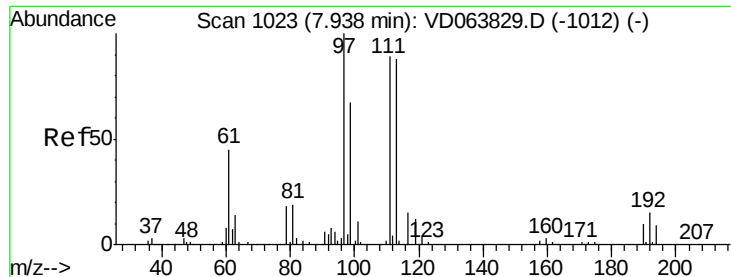


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

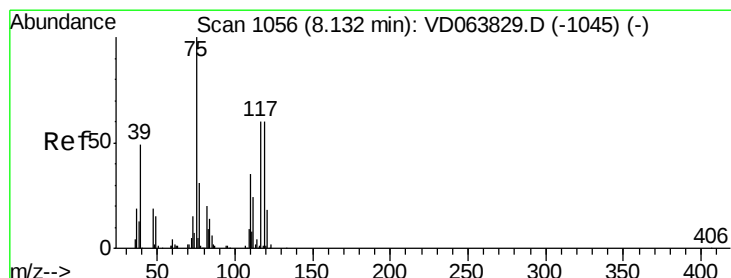
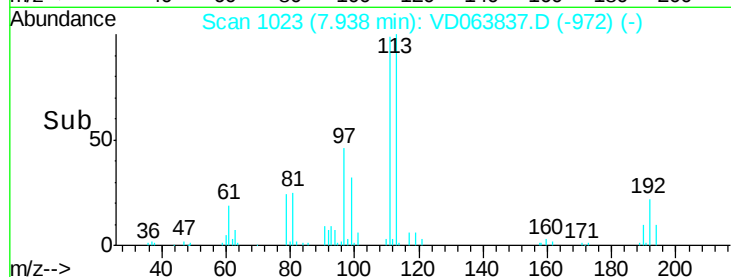
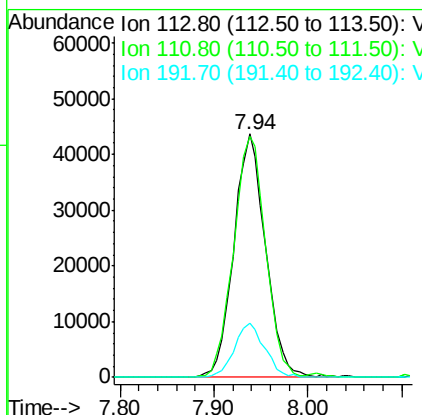
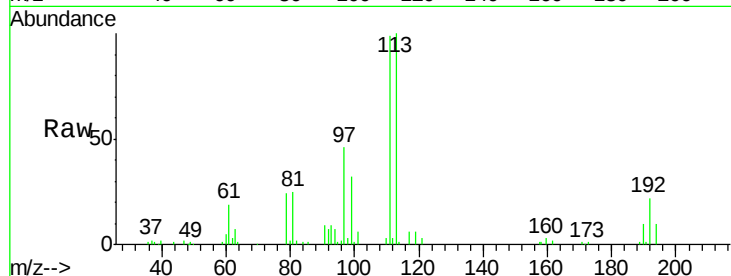




#35
 Dibromofluoromethane
 Concen: 46.879 ug/l
 RT: 7.94 min Scan# 1023
 Delta R.T. 0.00 min
 Lab File: VD063837.D
 Acq: 26 Sep 2019 14:35

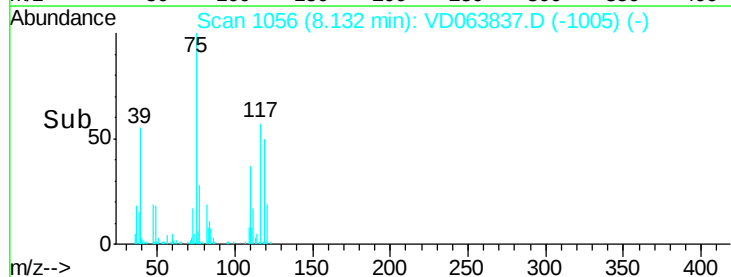
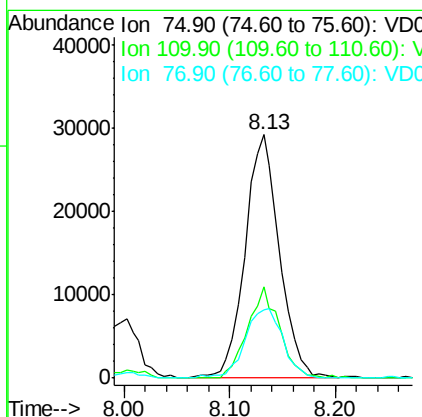
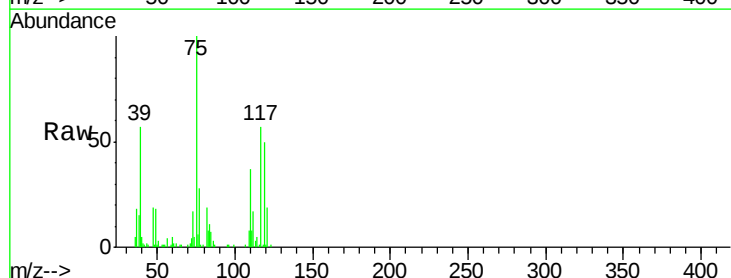
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0926SBS01

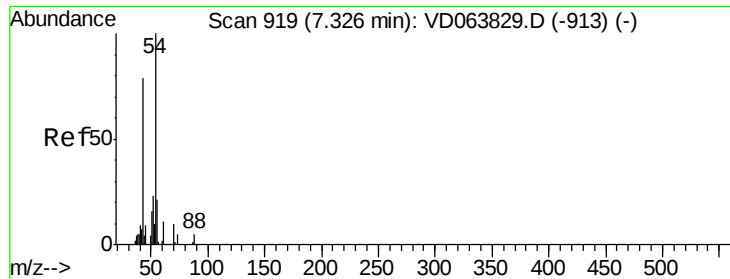
Tot Ion	Ratio	Lower	Upper
113	100		
111	99.9	77.7	116.5
192	21.4	15.9	23.9



#36
 1,1-Dichloropropene
 Concen: 21.115 ug/l
 RT: 8.13 min Scan# 1056
 Delta R.T. 0.00 min
 Lab File: VD063837.D
 Acq: 26 Sep 2019 14:35

Tgt Ion	Ratio	Lower	Upper
75	100		
110	34.9	17.5	52.5
77	31.4	24.9	37.3

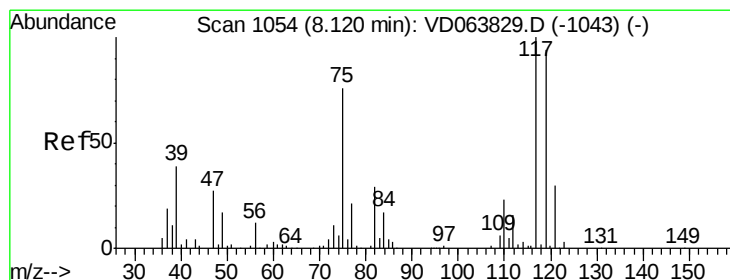
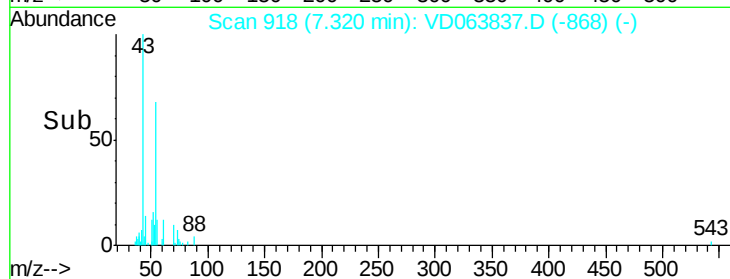
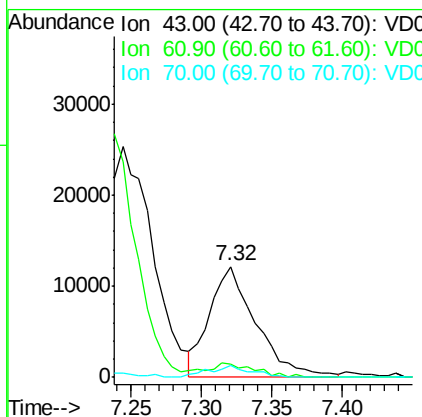
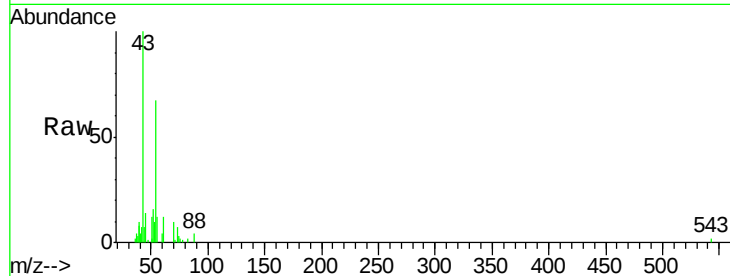




#37
Ethyl Acetate
Concen: 22.415 ug/l
RT: 7.32 min Scan# 918
Delta R.T. -0.01 min
Lab File: VD063837.D
Acq: 26 Sep 2019 14:35

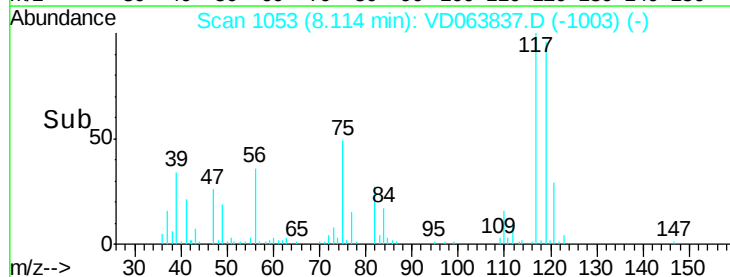
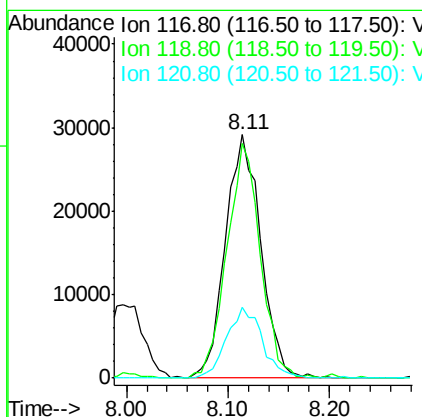
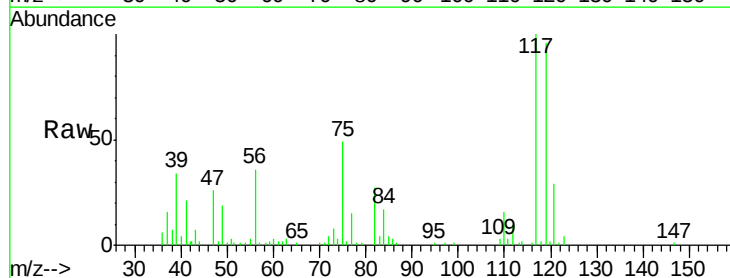
Instrument :
MSVOA_D
ClientSampleId :
VD0926SBS01

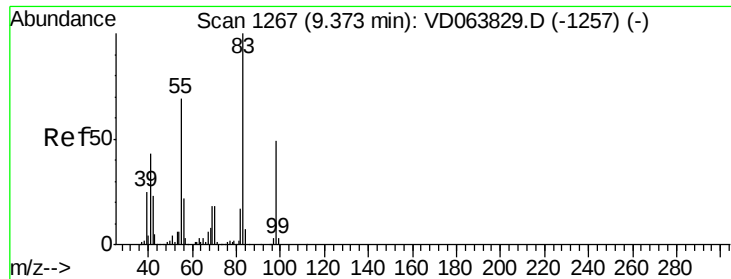
Tot Ion: 43 Resp: 27884
Ion Ratio Lower Upper
43 100
61 11.1 12.7 19.1#
70 9.4 8.3 12.5



#38
Carbon Tetrachloride
Concen: 21.757 ug/l
RT: 8.11 min Scan# 1053
Delta R.T. -0.01 min
Lab File: VD063837.D
Acq: 26 Sep 2019 14:35

Tgt Ion: 117 Resp: 70771
Ion Ratio Lower Upper
117 100
119 96.4 75.2 112.8
121 29.2 23.9 35.9

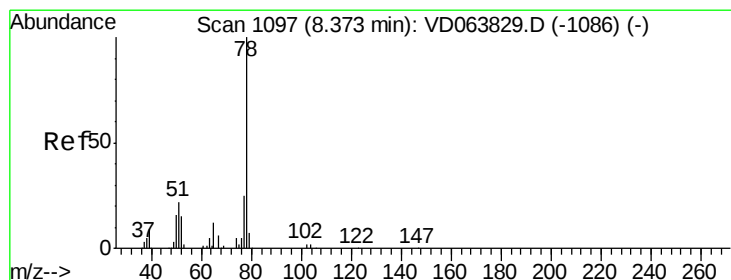
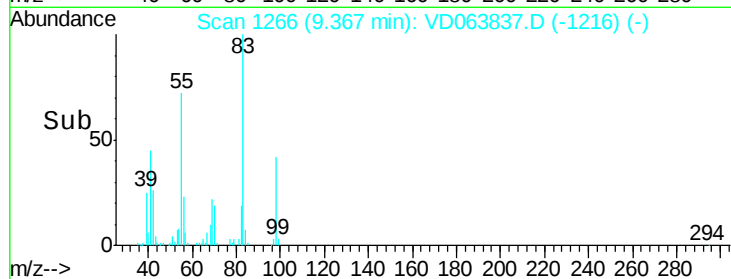
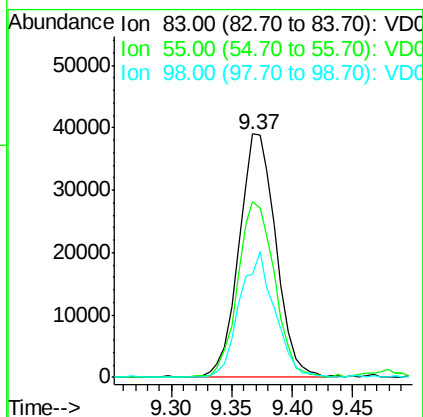
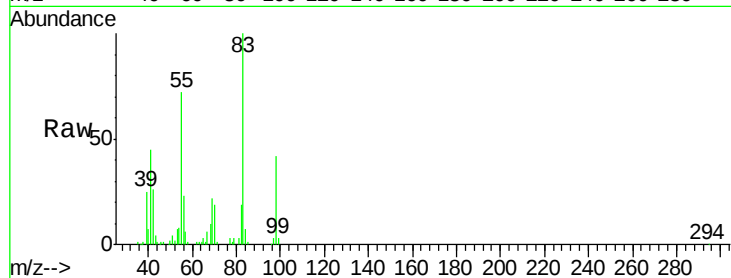




#39
Methvlcvclohexane
Concen: 21.330 ug/l
RT: 9.37 min Scan# 1266
Delta R.T. -0.01 min
Lab File: VD063837.D
Acq: 26 Sep 2019 14:35

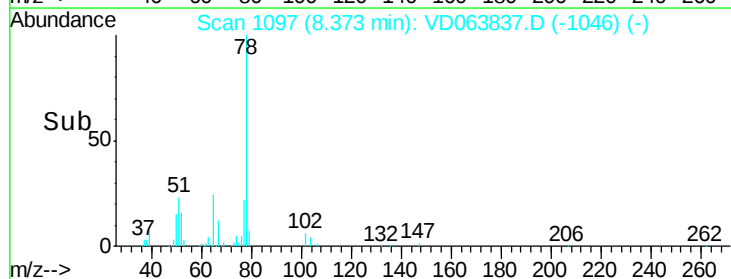
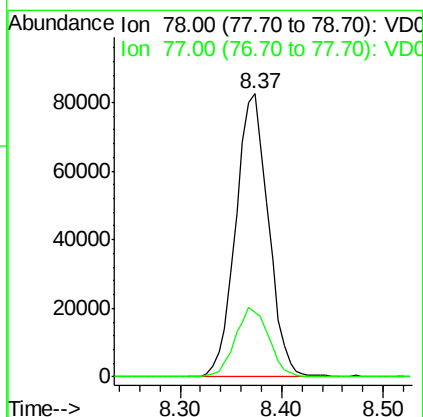
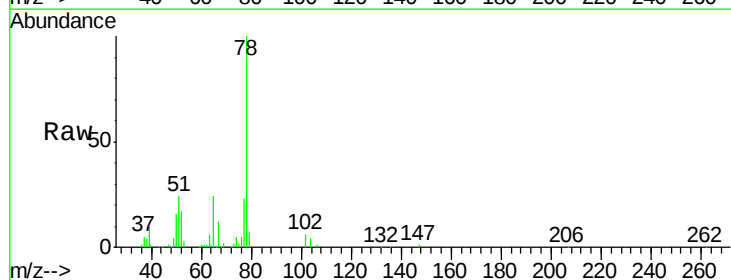
Instrument :
MSVOA_D
ClientSampleId :
VD0926SBS01

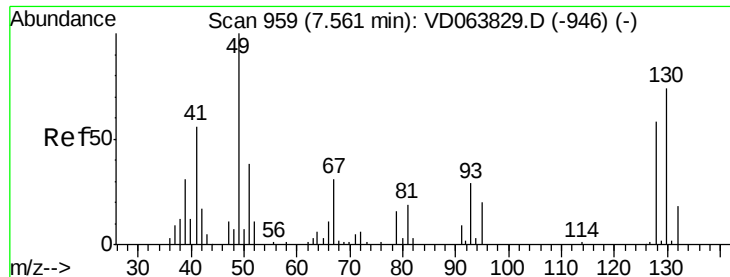
Tot Ion	83	Resp	83004
Ion Ratio	Lower	Upper	
83	100		
55	72.2	54.9	82.3
98	42.4	39.0	58.6



#40
Benzene
Concen: 21.391 ug/l
RT: 8.37 min Scan# 1097
Delta R.T. 0.00 min
Lab File: VD063837.D
Acq: 26 Sep 2019 14:35

Tgt Ion	78	Resp	184106
Ion Ratio	Lower	Upper	
78	100		
77	22.7	19.8	29.6

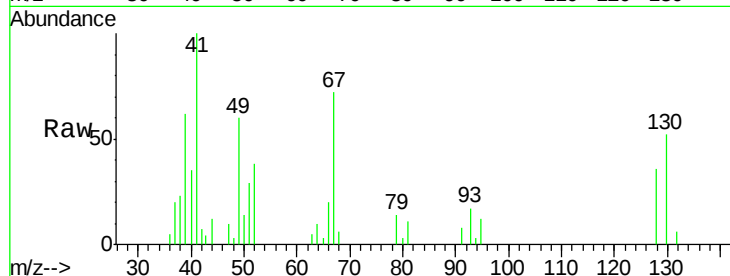




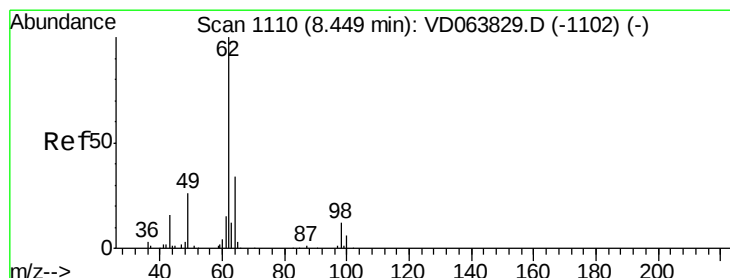
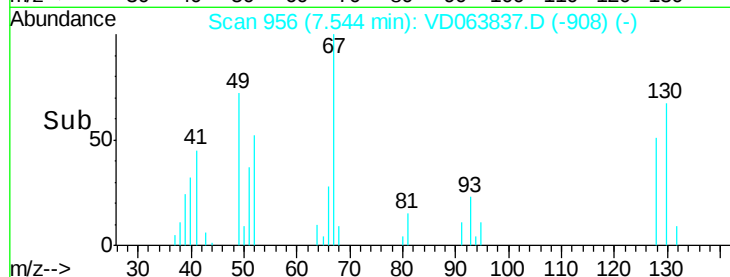
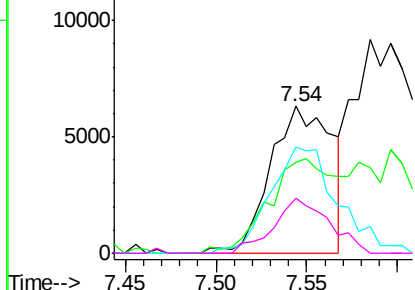
#41
Methacrylonitrile
Concen: 20.442 ug/l
RT: 7.54 min Scan# 956
Delta R.T. -0.02 min
Lab File: VD063837.D
Acq: 26 Sep 2019 14:35

Instrument :
MSVOA_D
ClientSampleId :
VD0926SBS01

Tot Ion: 41 Resp: 14990
Ion Ratio Lower Upper
41 100
39 67.7 52.2 78.4
67 79.6 58.6 87.8
52 33.5 26.6 39.8

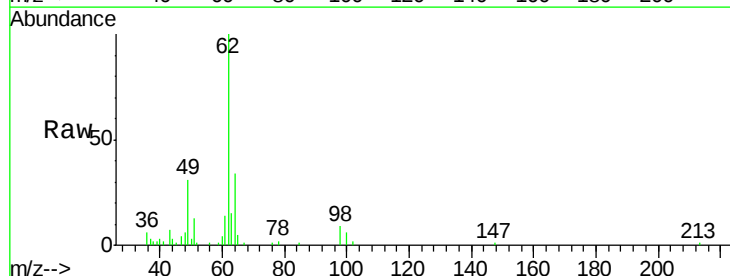


Abundance Ion 41.00 (40.70 to 41.70): VDC
Ion 39.00 (38.70 to 39.70): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

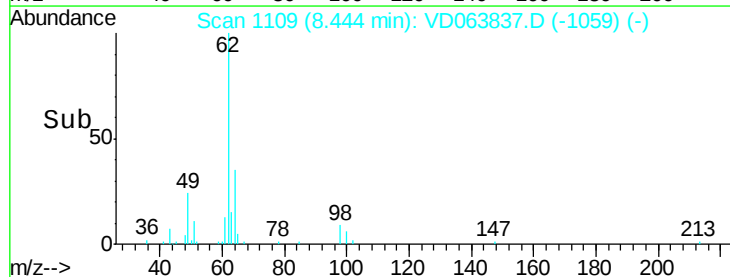
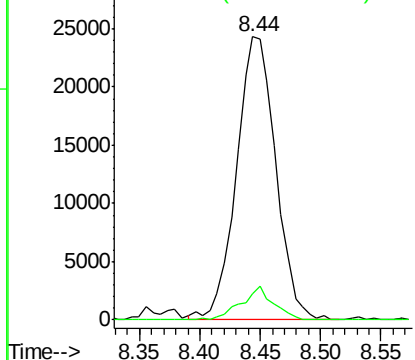


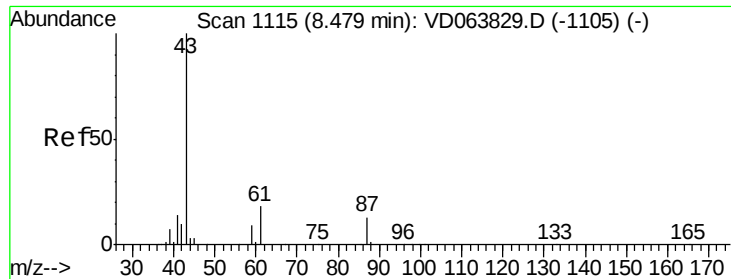
#42
1,2-Dichloroethane
Concen: 21.862 ug/l
RT: 8.44 min Scan# 1109
Delta R.T. -0.01 min
Lab File: VD063837.D
Acq: 26 Sep 2019 14:35

Tgt Ion: 62 Resp: 55023
Ion Ratio Lower Upper
62 100
98 9.7 0.0 19.6



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



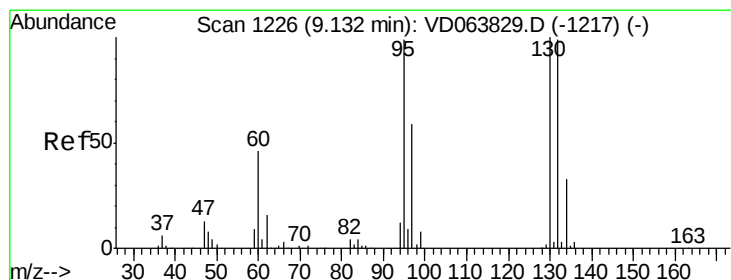
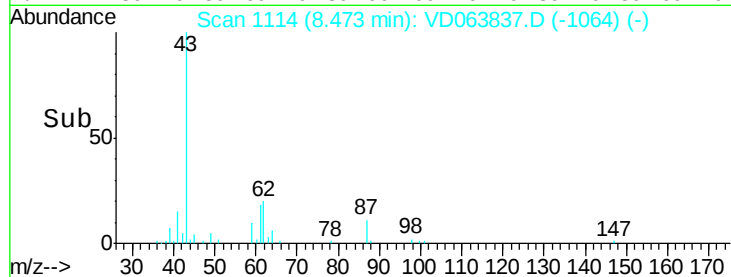
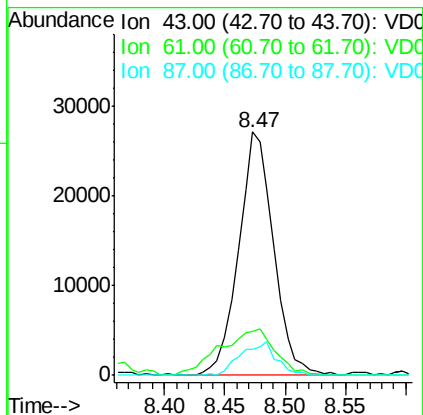
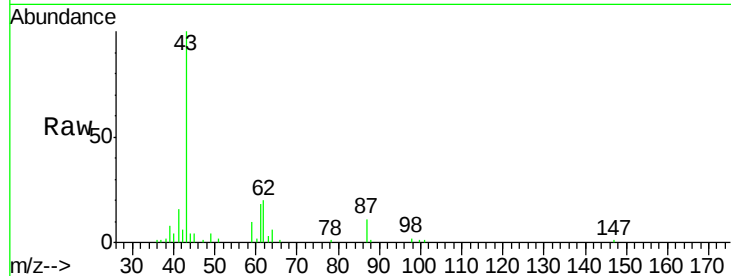


#43

Isopropyl Acetate
 Concen: 20.987 ug/l
 RT: 8.47 min Scan# 1114
 Delta R.T. -0.01 min
 Lab File: VD063837.D
 Acq: 26 Sep 2019 14:35

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0926SBS01

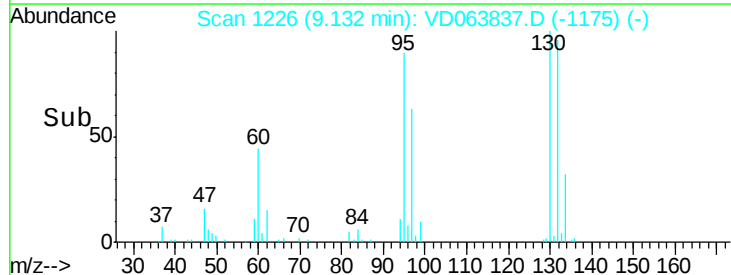
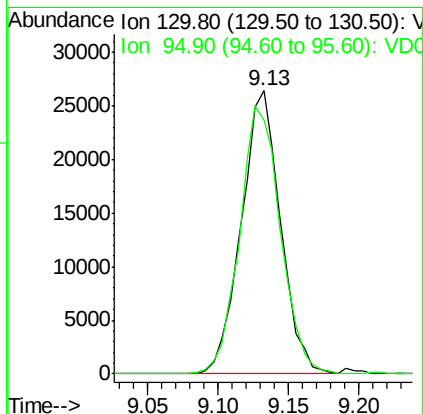
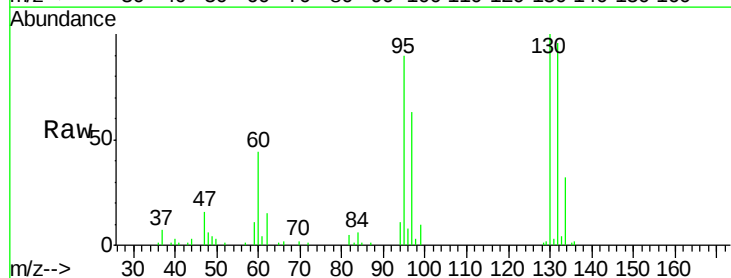
Tot Ion	43	Resp	54914
Ion Ratio	Lower	Upper	
43	100		
61	29.9	24.6	37.0
87	14.0	10.5	15.7

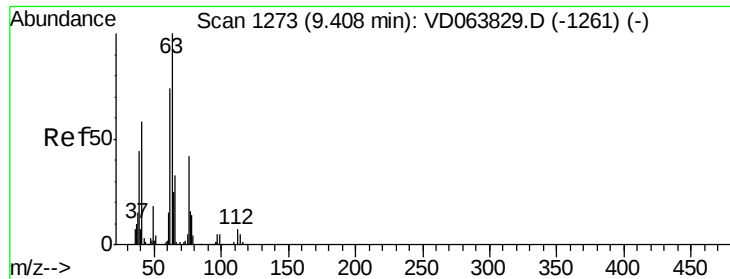


#44

Trichloroethene
 Concen: 20.624 ug/l
 RT: 9.13 min Scan# 1226
 Delta R.T. 0.00 min
 Lab File: VD063837.D
 Acq: 26 Sep 2019 14:35

Tgt Ion	130	Resp	51405
Ion Ratio	Lower	Upper	
130	100		
95	89.8	0.0	198.6

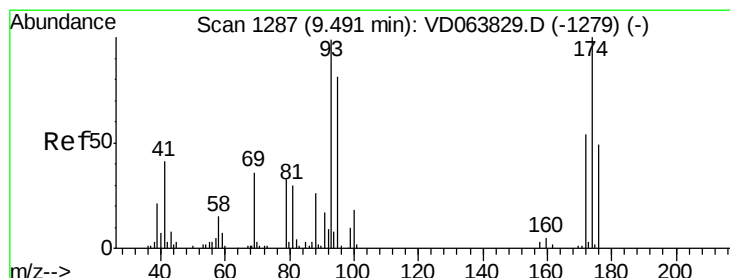
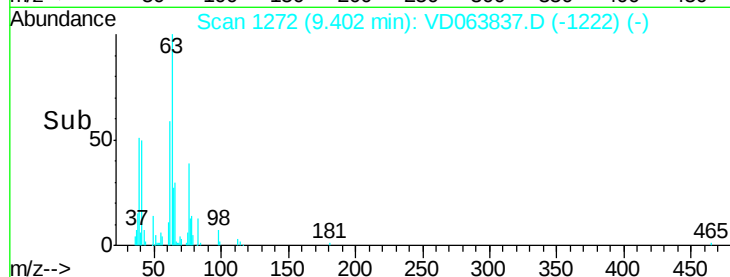
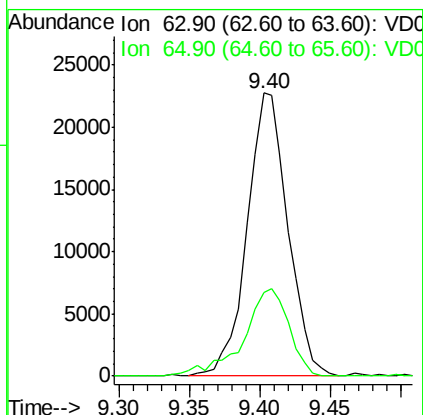
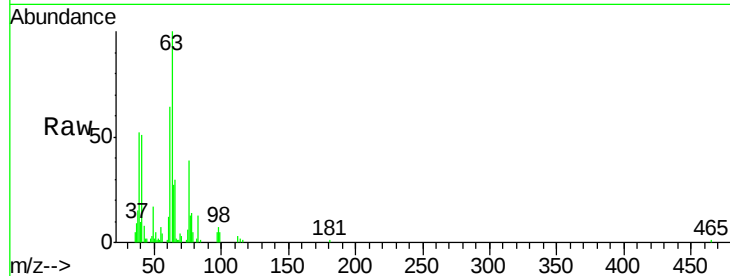




#45
 1,2-Dichloropropane
 Concen: 21.611 ug/l
 RT: 9.40 min Scan# 1272
 Delta R.T. -0.01 min
 Lab File: VD063837.D
 Acq: 26 Sep 2019 14:35

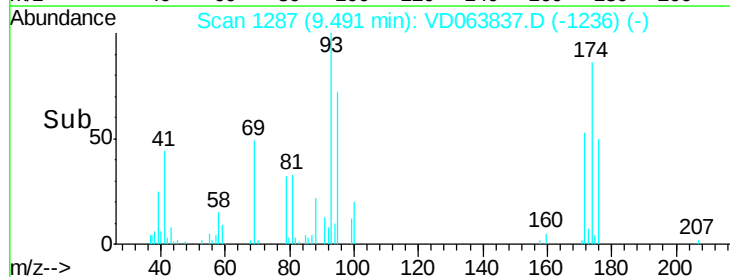
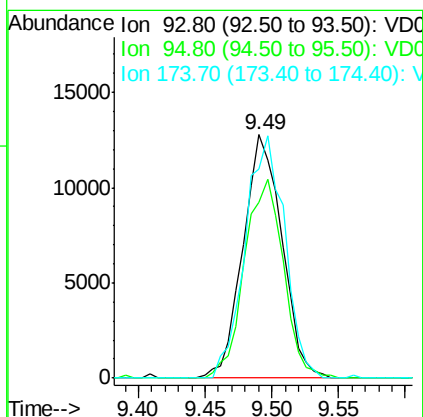
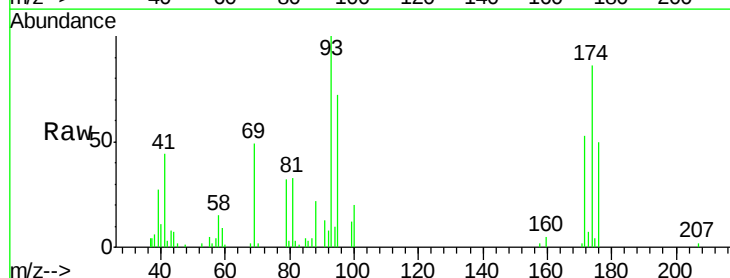
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0926SBS01

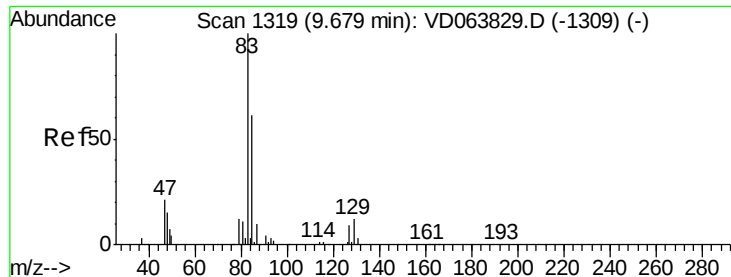
Tot Ion: 63 Resp: 45948
 Ion Ratio Lower Upper
 63 100
 65 29.6 26.8 40.2



#46
 Dibromomethane
 Concen: 21.483 ug/l
 RT: 9.49 min Scan# 1287
 Delta R.T. 0.00 min
 Lab File: VD063837.D
 Acq: 26 Sep 2019 14:35

Tgt Ion: 93 Resp: 25779
 Ion Ratio Lower Upper
 93 100
 95 81.9 63.8 95.8
 174 100.8 84.2 126.2





#47

Bromodichloromethane

Concen: 21.260 ug/l

RT: 9.68 min Scan# 1319

Delta R.T. 0.00 min

Lab File: VD063837.D

Acq: 26 Sep 2019 14:35

Instrument :

MSVOA_D

ClientSampleId :

VD0926SBS01

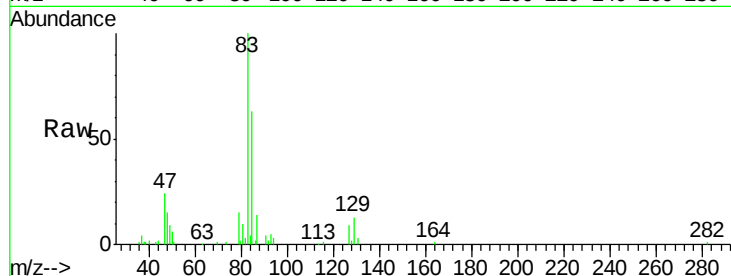
Tot Ion: 83 Resp: 65767

Ion Ratio Lower Upper

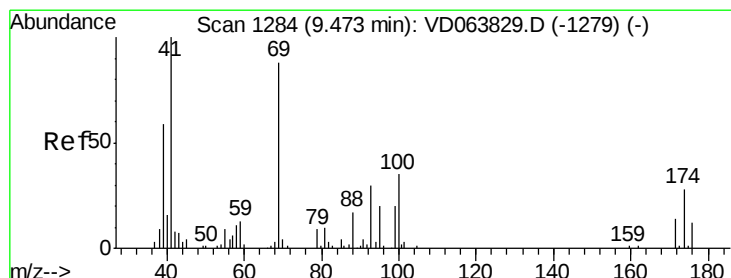
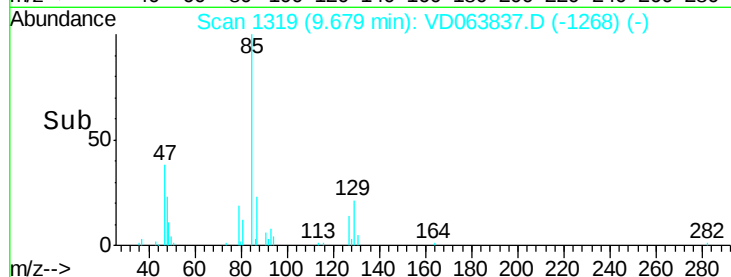
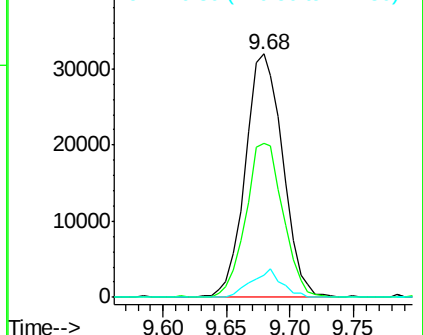
83 100

85 63.4 48.6 73.0

127 9.0 6.9 10.3



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



#48

Methyl methacrylate

Concen: 22.806 ug/l

RT: 9.47 min Scan# 1284

Delta R.T. 0.00 min

Lab File: VD063837.D

Acq: 26 Sep 2019 14:35

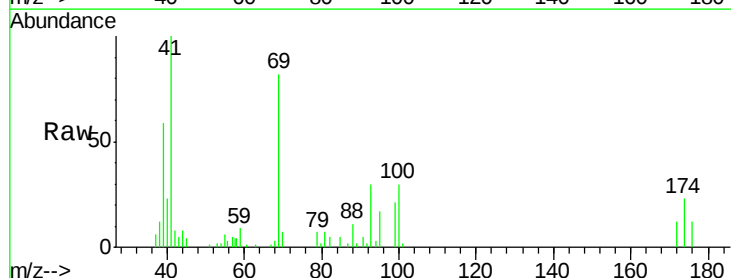
Tgt Ion: 41 Resp: 27141

Ion Ratio Lower Upper

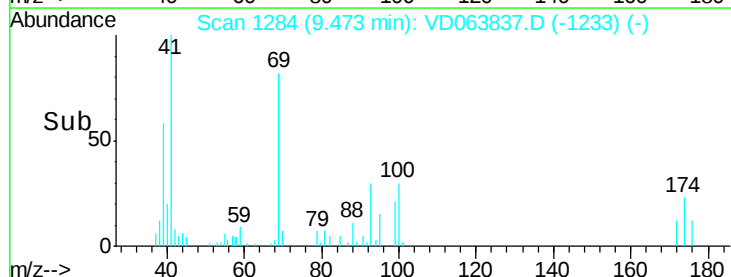
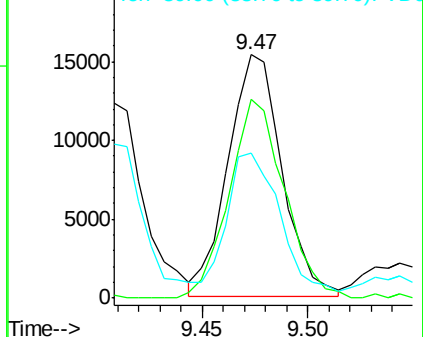
41 100

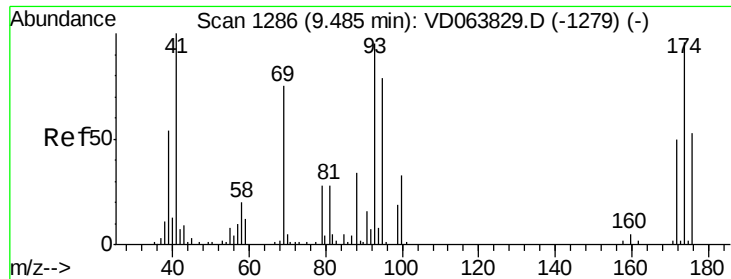
69 84.0 71.7 107.5

39 61.9 51.7 77.5



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: 407.037 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. -0.01 min

Lab File: VD063837.D

Acq: 26 Sep 2019 14:35

Instrument :

MSVOA_D

ClientSampleId :

VD0926SBS01

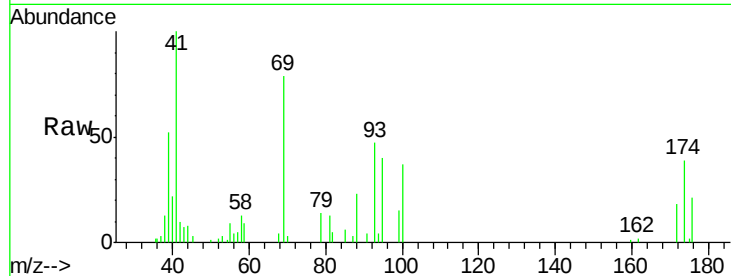
Tot Ion: 88 Resp: 6814

Ion Ratio Lower Upper

88 100

43 29.6 25.8 38.6

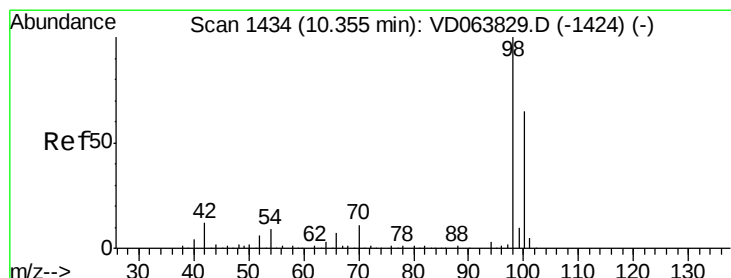
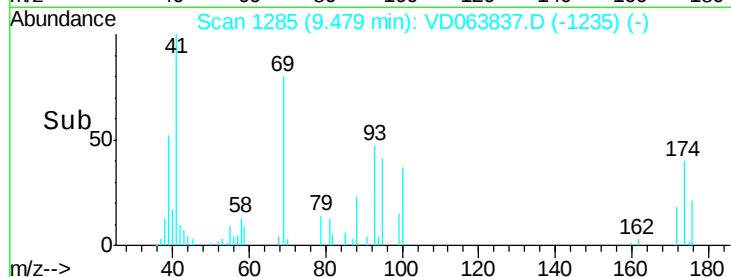
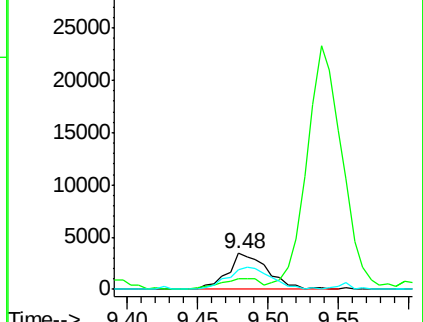
58 67.4 55.9 83.9



Abundance Ion 88.00 (87.70 to 88.70): VDC

Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#50

Toluene-d8

Concen: 51.991 ug/l

RT: 10.36 min Scan# 1434

Delta R.T. 0.00 min

Lab File: VD063837.D

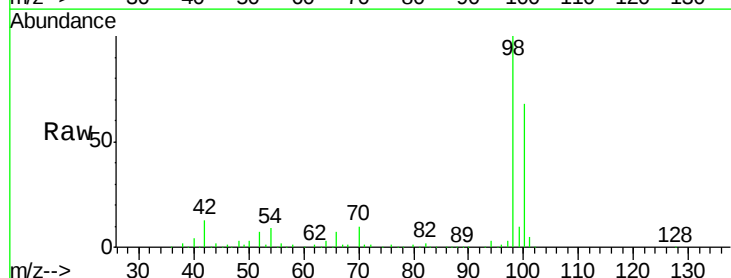
Acq: 26 Sep 2019 14:35

Tgt Ion: 98 Resp: 425661

Ion Ratio Lower Upper

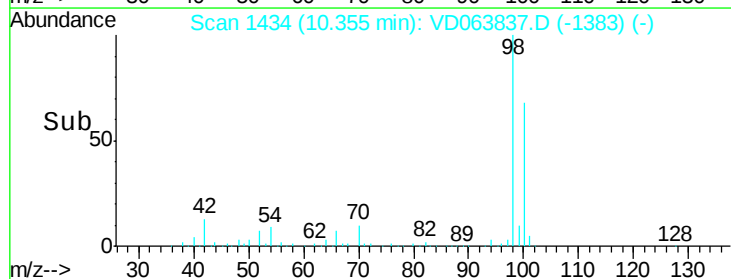
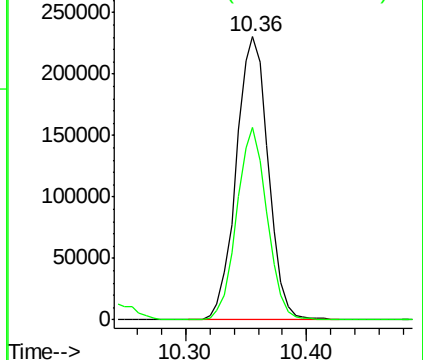
98 100

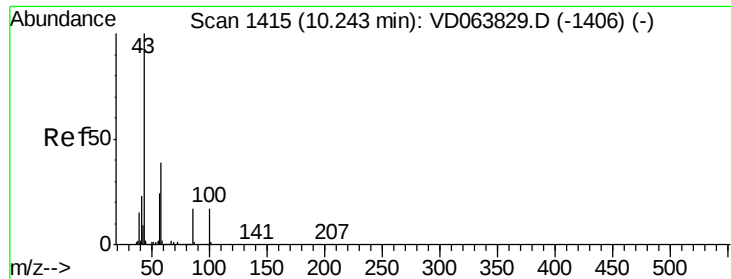
100 64.5 51.6 77.4



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: 109.890 ug/l

RT: 10.25 min Scan# 1416

Delta R.T. 0.01 min

Lab File: VD063837.D

Acq: 26 Sep 2019 14:35

Instrument :

MSVOA_D

ClientSampleId :

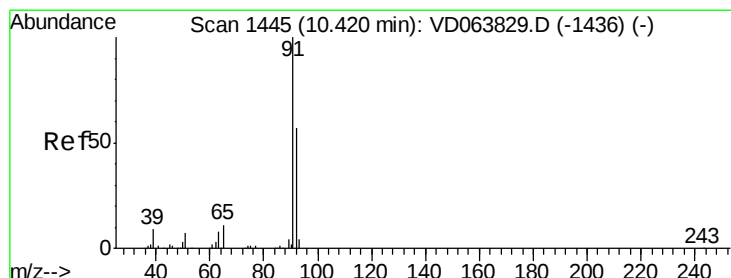
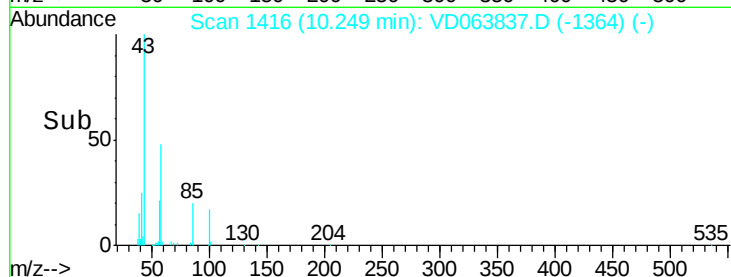
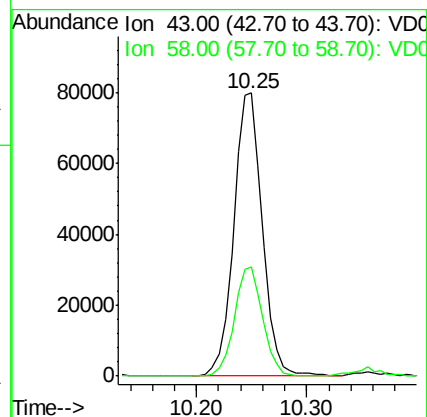
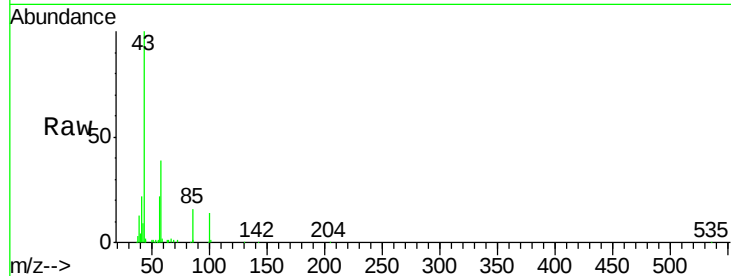
VD0926SBS01

Tot Ion: 43 Resp: 144856

Ion Ratio Lower Upper

43 100

58 38.1 30.9 46.3



#52

Toluene

Concen: 22.009 ug/l

RT: 10.42 min Scan# 1445

Delta R.T. 0.00 min

Lab File: VD063837.D

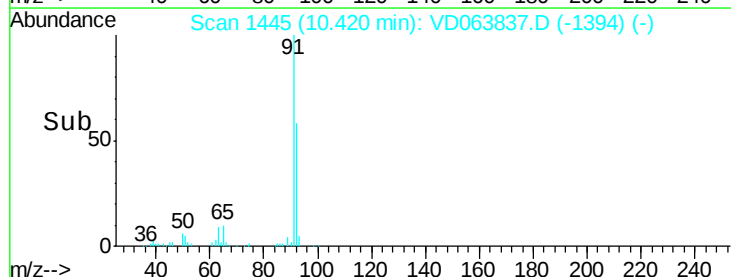
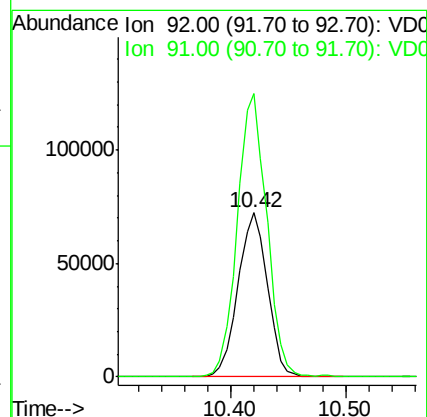
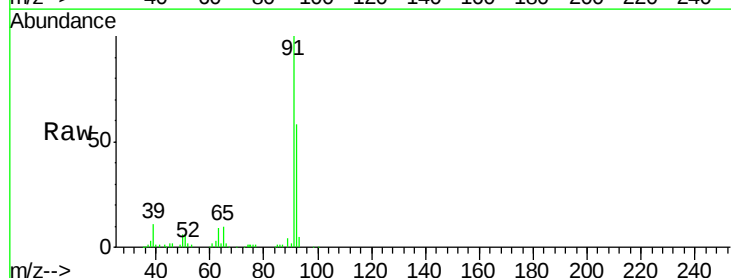
Acq: 26 Sep 2019 14:35

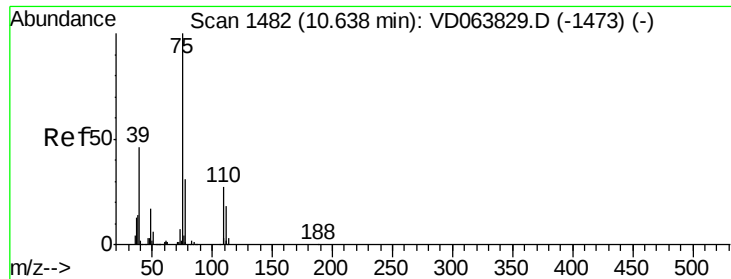
Tgt Ion: 92 Resp: 128442

Ion Ratio Lower Upper

92 100

91 172.0 139.7 209.5





#53

t-1,3-Dichloropropene

Concen: 21.895 ug/l

RT: 10.64 min Scan# 1482

Delta R.T. 0.00 min

Lab File: VD063837.D

Acq: 26 Sep 2019 14:35

Instrument :

MSVOA_D

ClientSampleId :

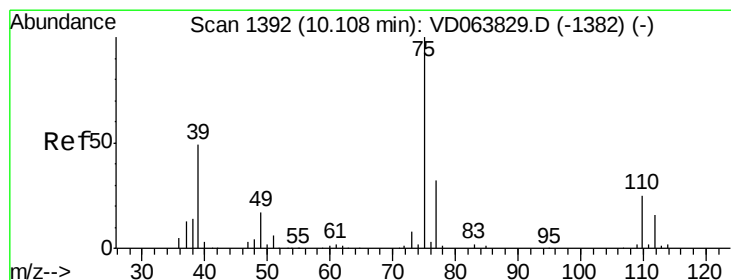
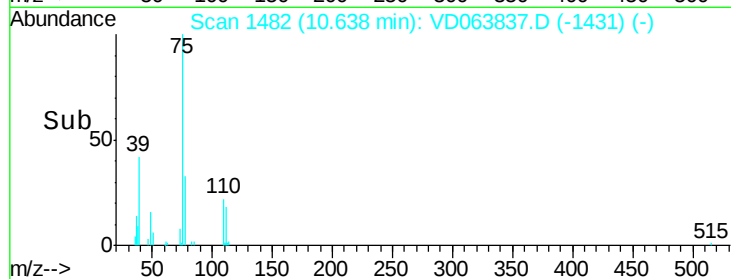
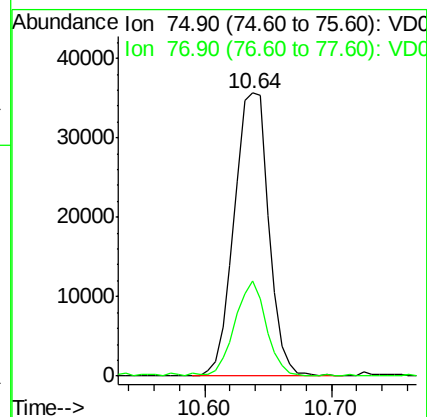
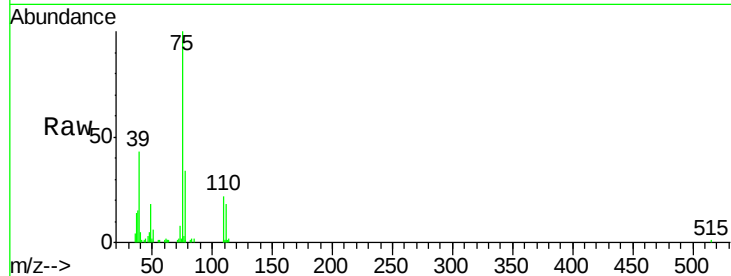
VD0926SBS01

Tot Ion: 75 Resp: 67137

Ion Ratio Lower Upper

75 100

77 33.8 24.9 37.3



#54

cis-1,3-Dichloropropene

Concen: 21.731 ug/l

RT: 10.11 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VD063837.D

Acq: 26 Sep 2019 14:35

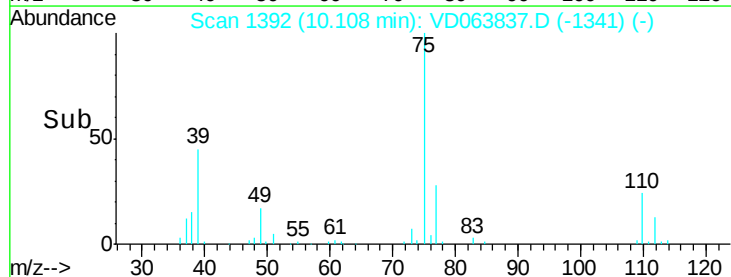
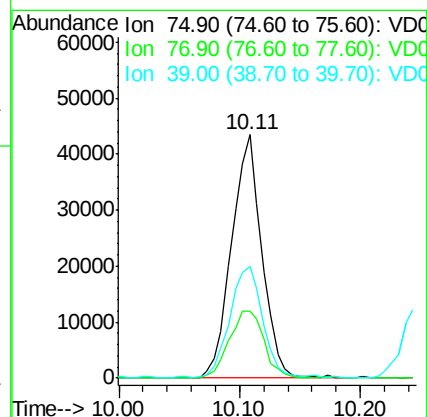
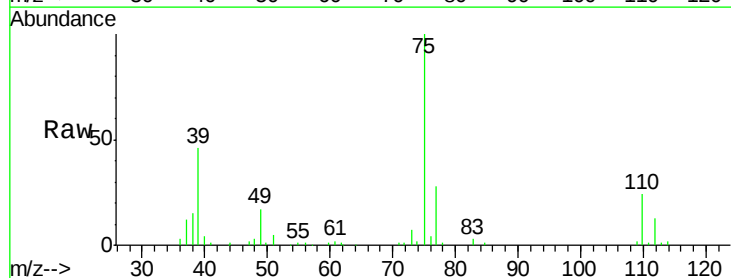
Tgt Ion: 75 Resp: 75638

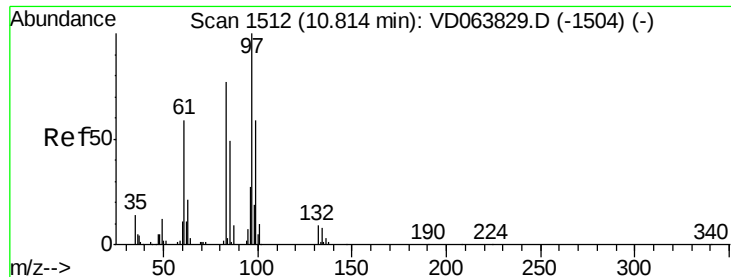
Ion Ratio Lower Upper

75 100

77 27.6 25.8 38.8

39 45.9 39.5 59.3

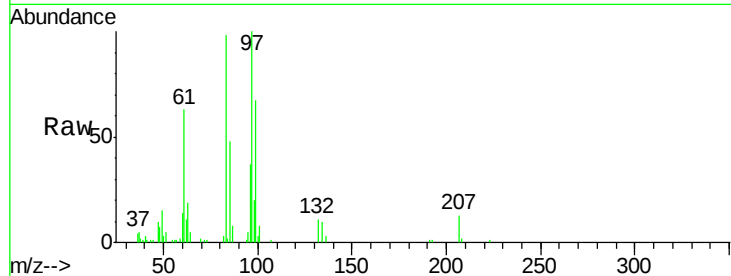




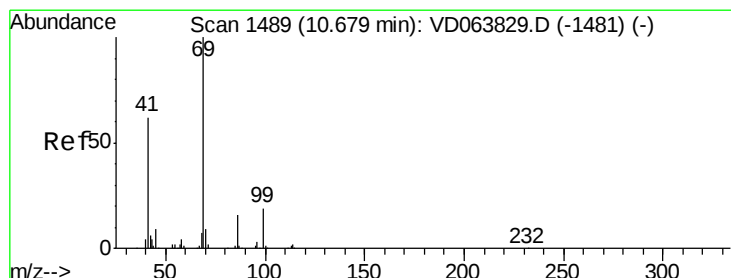
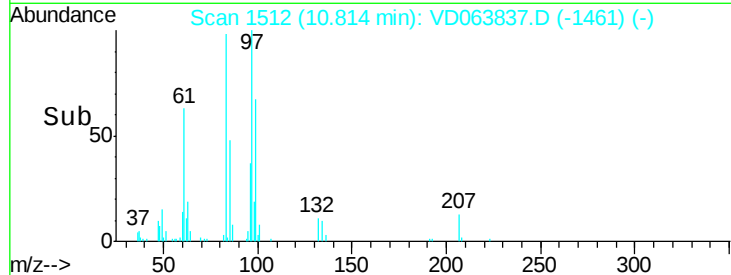
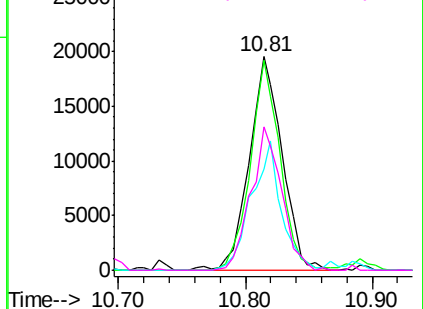
#55
 1,1,2-Trichloroethane
 Concen: 20.742 ug/l
 RT: 10.81 min Scan# 1512
 Delta R.T. 0.00 min
 Lab File: VD063837.D
 Acq: 26 Sep 2019 14:35

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0926SBS01

Tot Ion:	97	Resp:	35171
Ion	Ratio	Lower	Upper
97	100		
83	98.3	61.9	92.9#
85	47.6	39.4	59.2
99	67.3	47.3	70.9

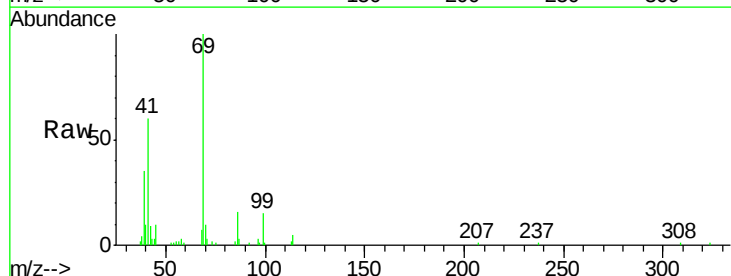


Abundance Ion 96.90 (96.60 to 97.60): VDC
 Ion 82.90 (82.60 to 83.60): VDC
 Ion 84.90 (84.60 to 85.60): VDC
 Ion 98.90 (98.60 to 99.60): VDC

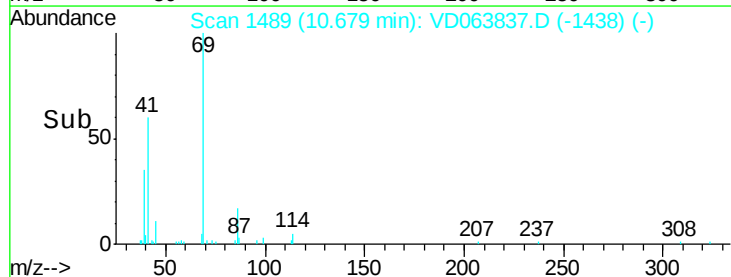
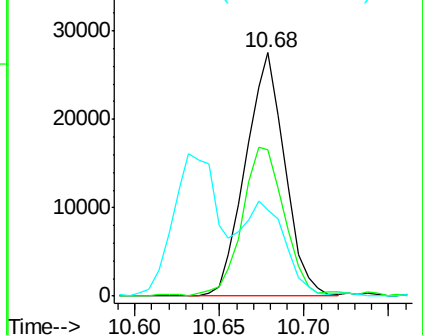


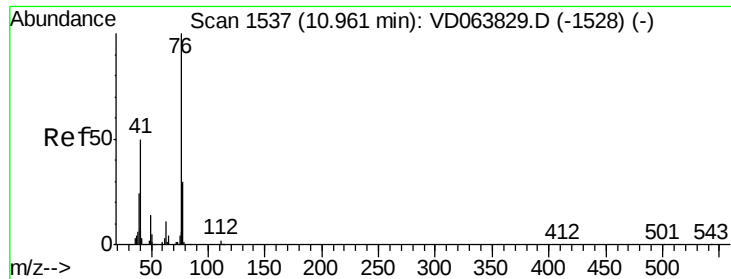
#56
 Ethyl methacrylate
 Concen: 20.636 ug/l
 RT: 10.68 min Scan# 1489
 Delta R.T. 0.00 min
 Lab File: VD063837.D
 Acq: 26 Sep 2019 14:35

Tgt Ion:	69	Resp:	44474
Ion	Ratio	Lower	Upper
69	100		
41	66.6	52.2	78.4
39	41.6	28.7	43.1



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

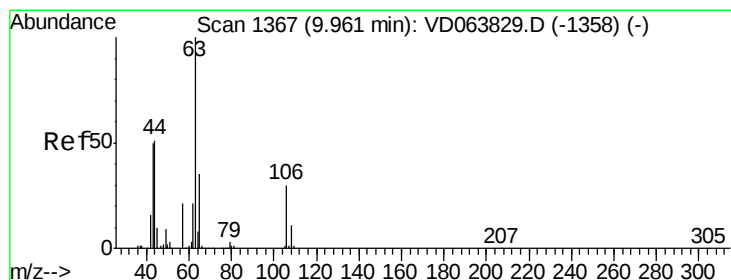
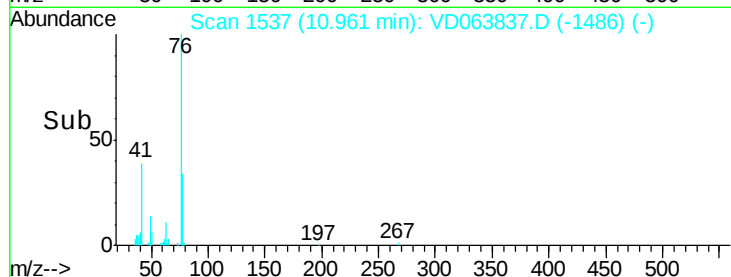
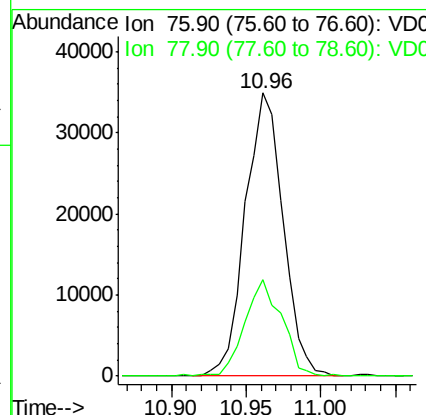
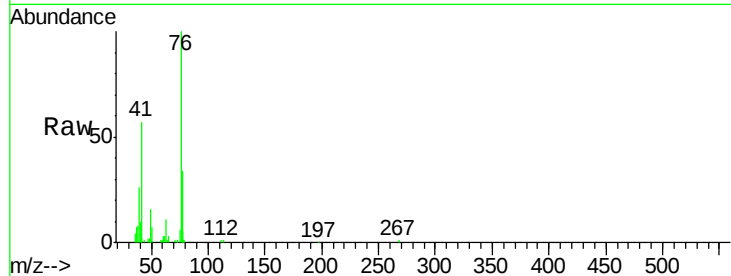




#57
 1,3-Dichloropropane
 Concen: 21.254 ug/l
 RT: 10.96 min Scan# 1537
 Delta R.T. 0.00 min
 Lab File: VD063837.D
 Acq: 26 Sep 2019 14:35

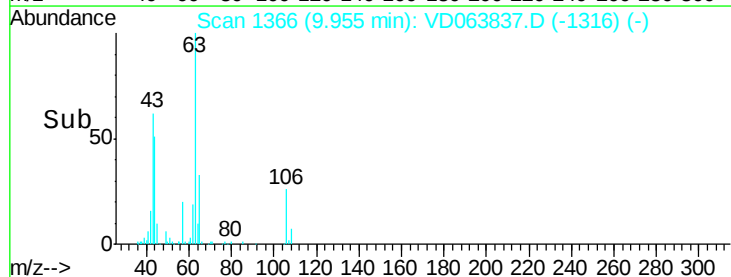
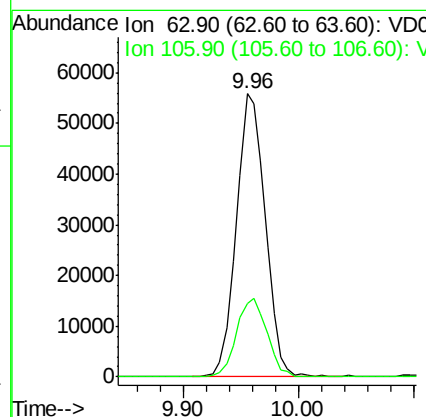
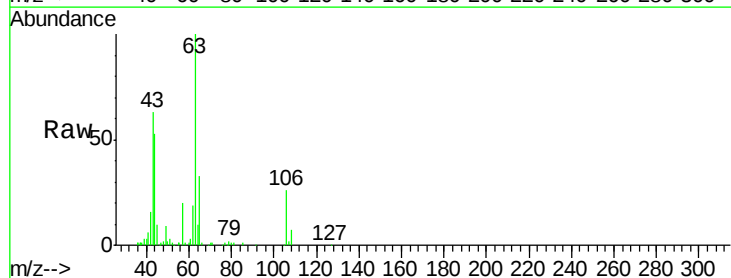
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0926SBS01

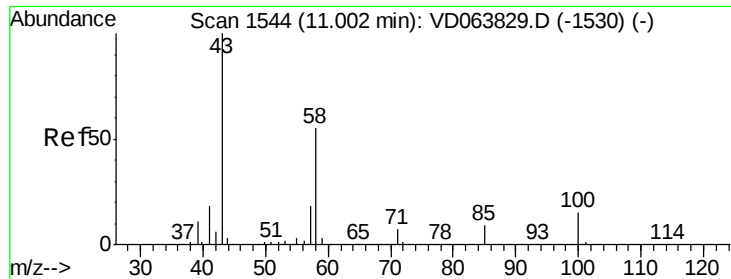
Tot Ion: 76 Resp: 61234
 Ion Ratio Lower Upper
 76 100
 78 33.6 25.7 38.5



#58
 2-Chloroethyl Vinyl ether
 Concen: 100.643 ug/l
 RT: 9.96 min Scan# 1366
 Delta R.T. -0.01 min
 Lab File: VD063837.D
 Acq: 26 Sep 2019 14:35

Tgt Ion: 63 Resp: 96943
 Ion Ratio Lower Upper
 63 100
 106 28.9 23.4 35.0

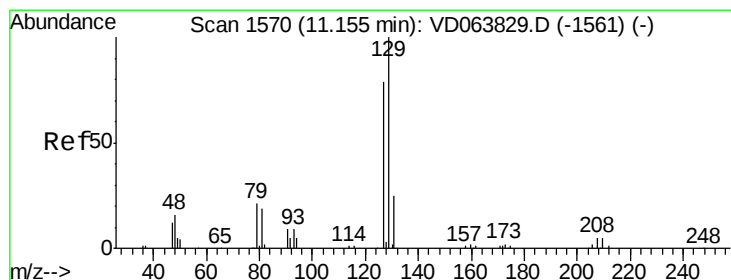
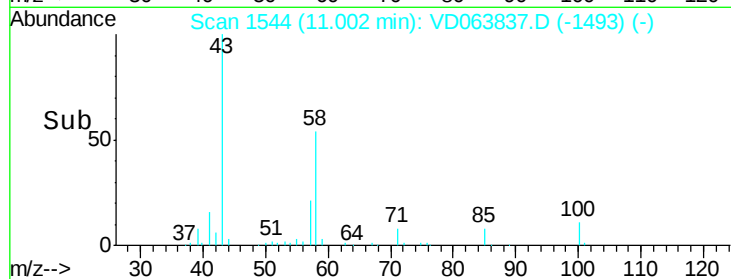
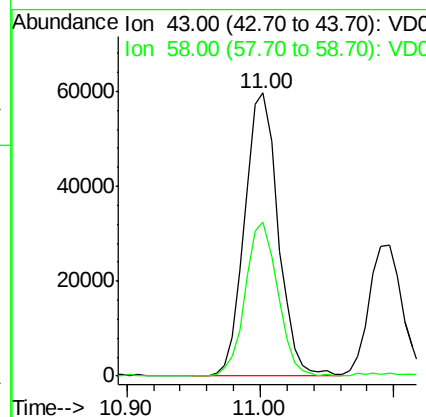
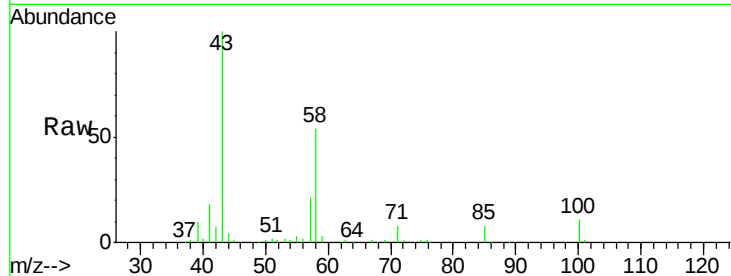




#59
2-Hexanone
Concen: 110.017 ug/l
RT: 11.00 min Scan# 1544
Delta R.T. 0.00 min
Lab File: VD063837.D
Acq: 26 Sep 2019 14:35

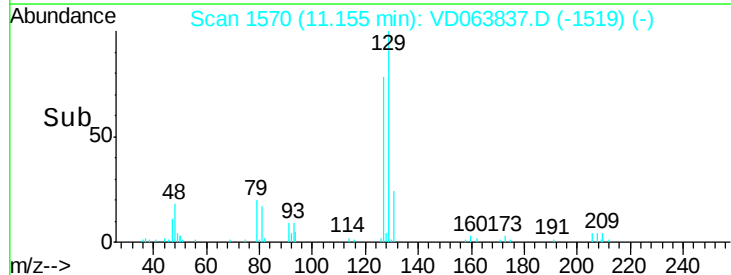
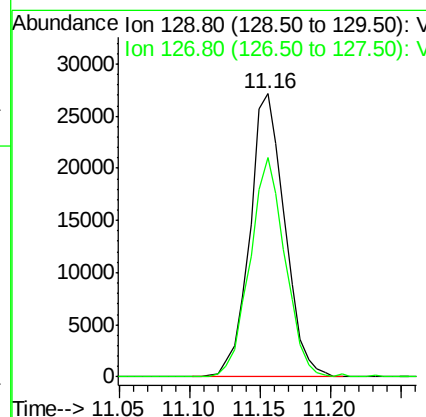
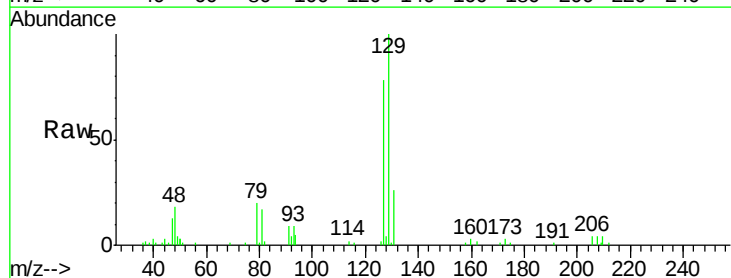
Instrument :
MSVOA_D
ClientSampleId :
VD0926SBS01

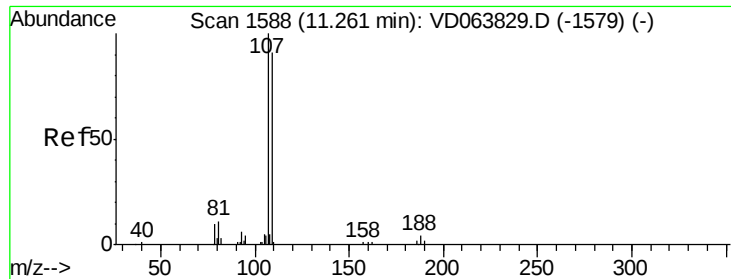
Tot Ion: 43 Resp: 103475
Ion Ratio Lower Upper
43 100
58 52.6 27.6 82.7



#60
Dibromochloromethane
Concen: 21.138 ug/l
RT: 11.16 min Scan# 1570
Delta R.T. 0.00 min
Lab File: VD063837.D
Acq: 26 Sep 2019 14:35

Tgt Ion: 129 Resp: 47299
Ion Ratio Lower Upper
129 100
127 77.5 38.8 116.3

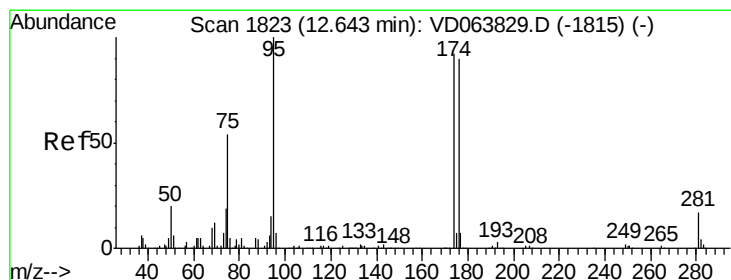
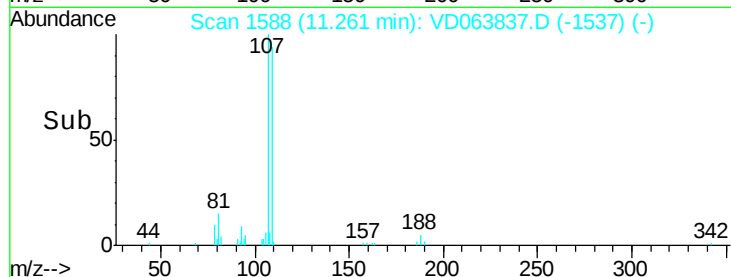
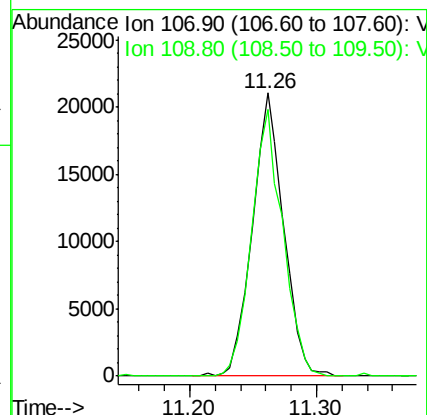
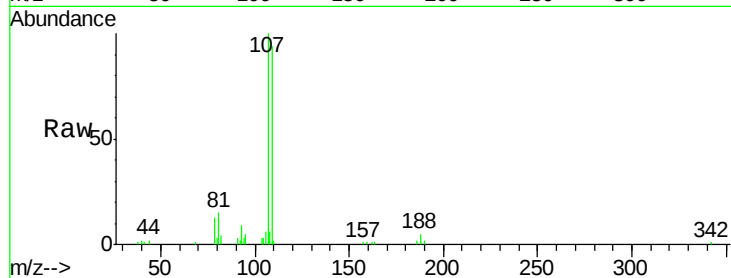




#61
1,2-Dibromoethane
Concen: 21.254 ug/l
RT: 11.26 min Scan# 1588
Delta R.T. 0.00 min
Lab File: VD063837.D
Acq: 26 Sep 2019 14:35

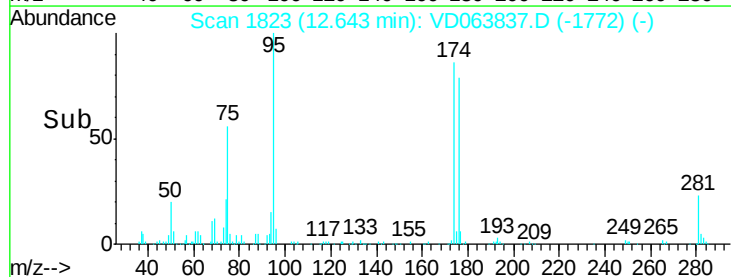
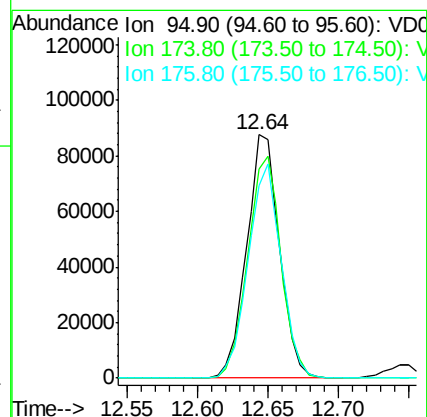
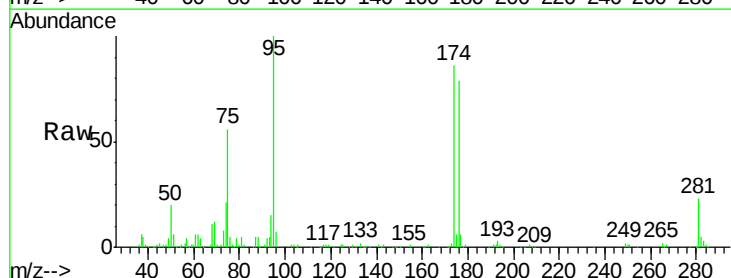
Instrument :
MSVOA_D
ClientSampleId :
VD0926SBS01

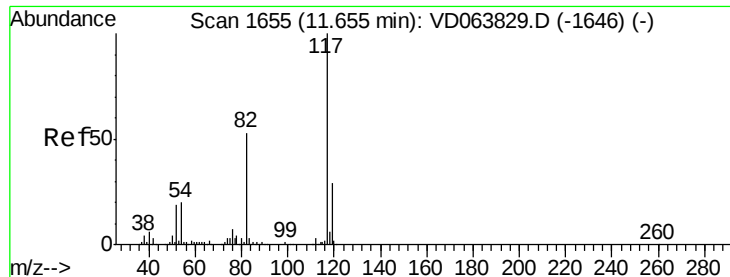
Tot Ion: 107 Resp: 36027
Ion Ratio Lower Upper
107 100
109 94.3 74.9 112.3



#62
4-Bromofluorobenzene
Concen: 48.784 ug/l
RT: 12.64 min Scan# 1823
Delta R.T. 0.00 min
Lab File: VD063837.D
Acq: 26 Sep 2019 14:35

Tgt Ion: 95 Resp: 143334
Ion Ratio Lower Upper
95 100
174 92.1 0.0 183.2
176 87.9 0.0 177.4

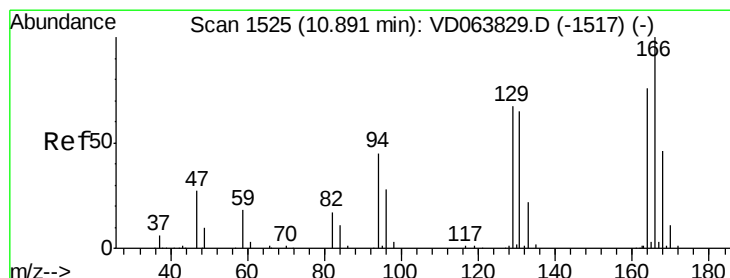
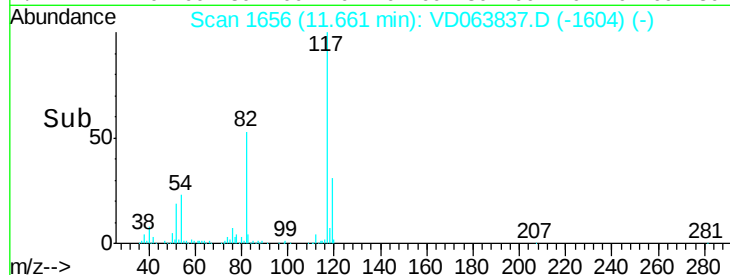
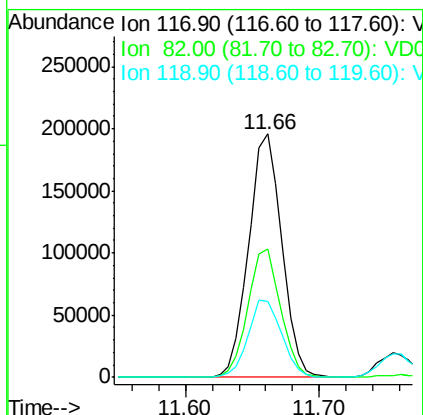
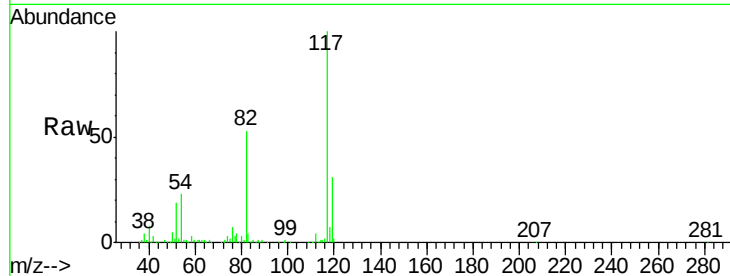




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.66 min Scan# 1656
Delta R.T. 0.01 min
Lab File: VD063837.D
Acq: 26 Sep 2019 14:35

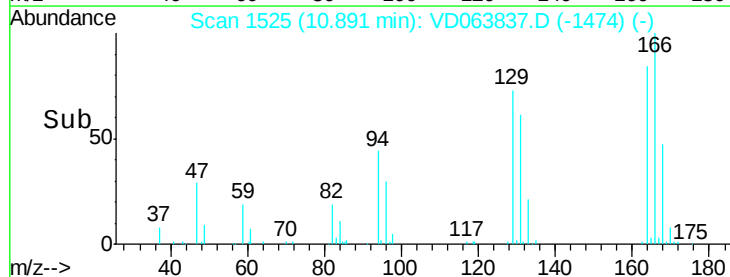
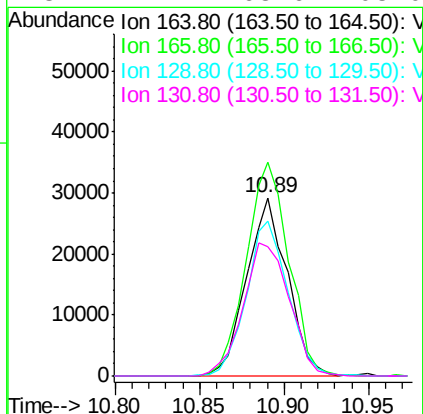
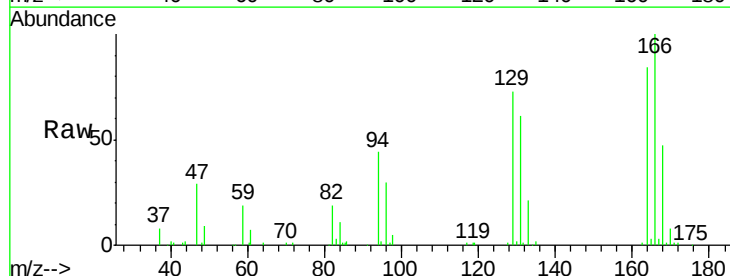
Instrument :
MSVOA_D
ClientSampleId :
VD0926SBS01

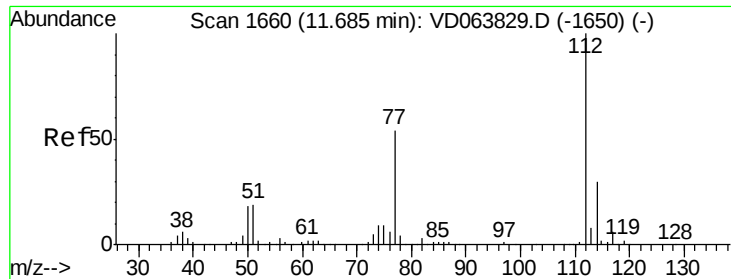
Tot Ion:117 Resp: 335551
Ion Ratio Lower Upper
117 100
82 52.5 42.4 63.6
119 31.2 23.5 35.3



#64
Tetrachloroethene
Concen: 21.655 ug/l
RT: 10.89 min Scan# 1525
Delta R.T. 0.00 min
Lab File: VD063837.D
Acq: 26 Sep 2019 14:35

Tgt Ion:164 Resp: 48946
Ion Ratio Lower Upper
164 100
166 119.7 105.5 158.3
129 87.0 70.2 105.4
131 72.7 68.6 103.0





#65

Chlorobenzene

Concen: 20.907 ug/l

RT: 11.68 min Scan# 1660

Delta R.T. 0.00 min

Lab File: VD063837.D

Acq: 26 Sep 2019 14:35

Instrument :

MSVOA_D

ClientSampleId :

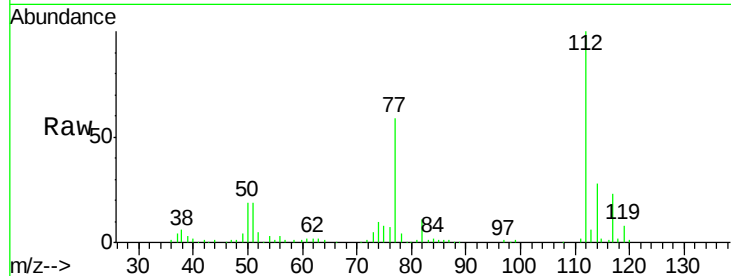
VD0926SBS01

Tot Ion:112 Resp: 141120

Ion Ratio Lower Upper

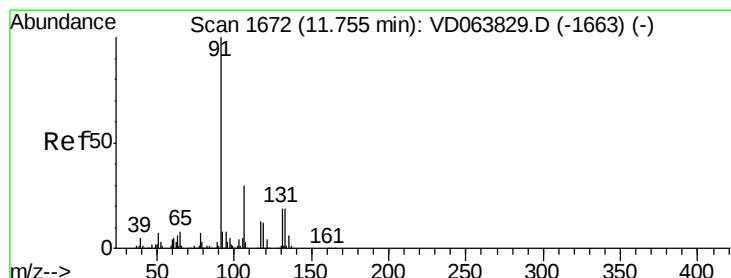
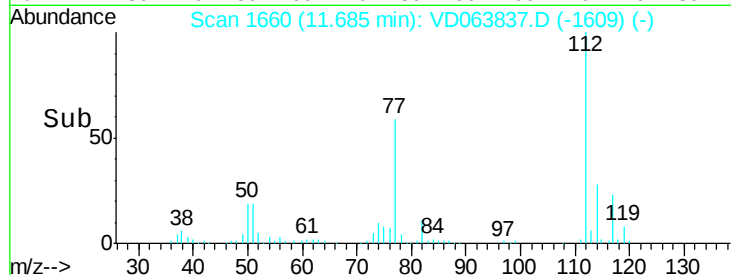
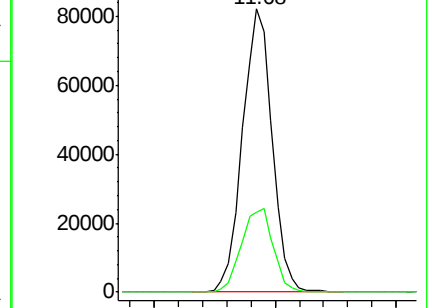
112 100

114 28.4 24.2 36.2



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 19.895 ug/l

RT: 11.76 min Scan# 1673

Delta R.T. 0.01 min

Lab File: VD063837.D

Acq: 26 Sep 2019 14:35

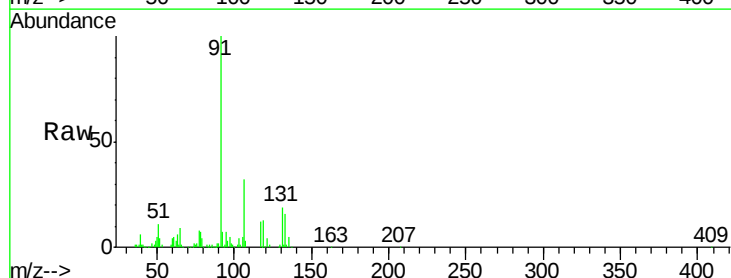
Tgt Ion:131 Resp: 49352

Ion Ratio Lower Upper

131 100

133 96.9 47.4 142.3

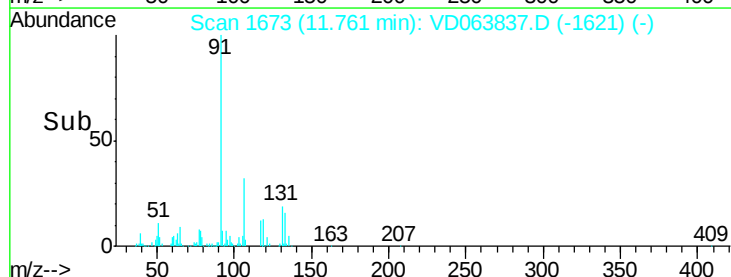
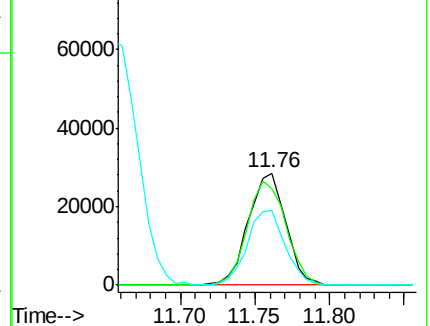
119 67.9 31.6 94.8

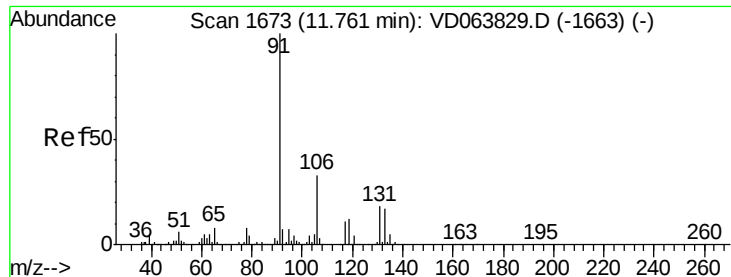


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 20.789 ug/l

RT: 11.76 min Scan# 1672

Delta R.T. -0.01 min

Lab File: VD063837.D

Acq: 26 Sep 2019 14:35

Instrument :

MSVOA_D

ClientSampleId :

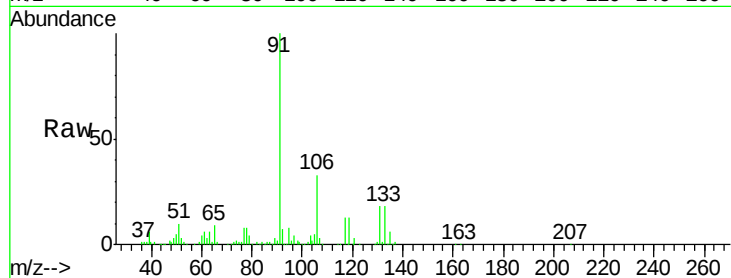
VD0926SBS01

Tot Ion: 91 Resp: 253460

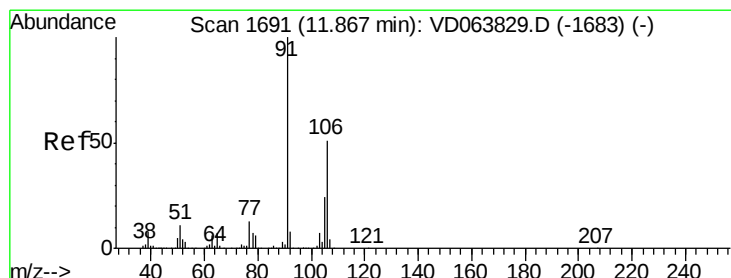
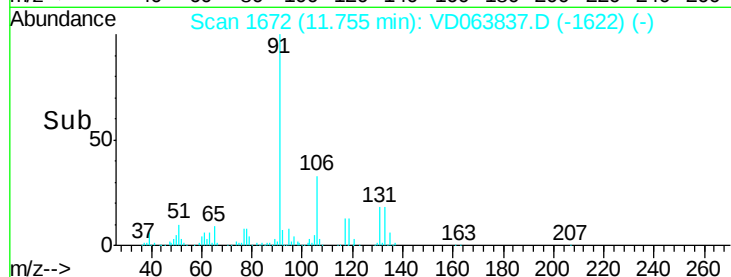
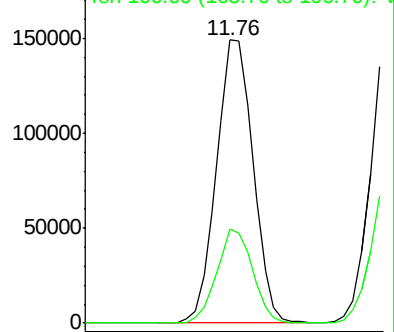
Ion Ratio Lower Upper

91 100

106 33.2 26.6 40.0



Abundance Ion 91.00 (90.70 to 91.70): V



#68

m/p-Xylenes

Concen: 42.019 ug/l

RT: 11.87 min Scan# 1691

Delta R.T. 0.00 min

Lab File: VD063837.D

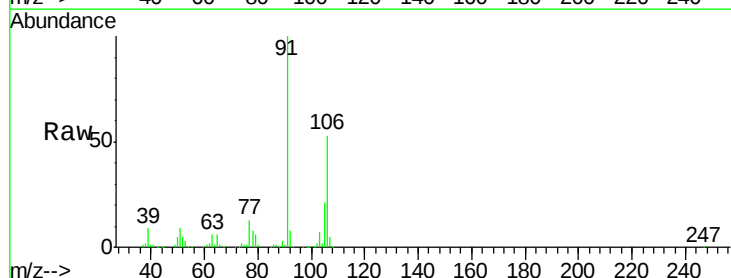
Acq: 26 Sep 2019 14:35

Tgt Ion: 106 Resp: 196732

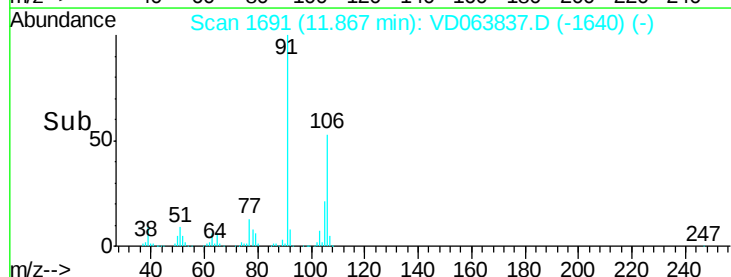
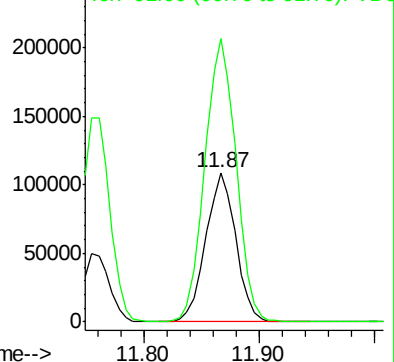
Ion Ratio Lower Upper

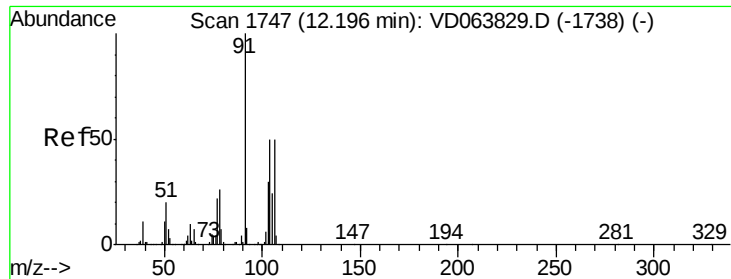
106 100

91 197.0 157.6 236.4



Abundance Ion 106.00 (105.70 to 106.70): V

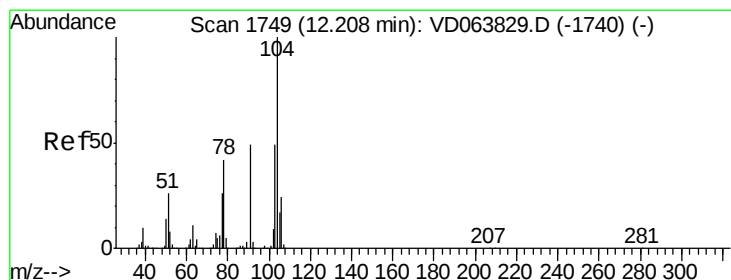
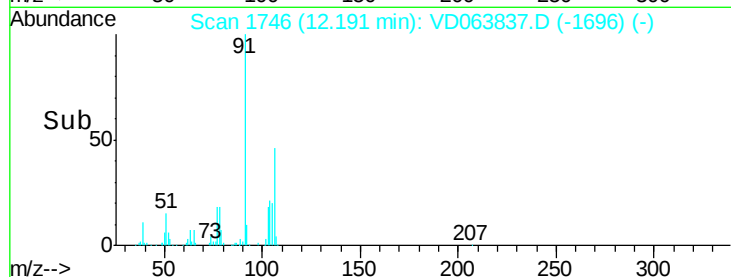
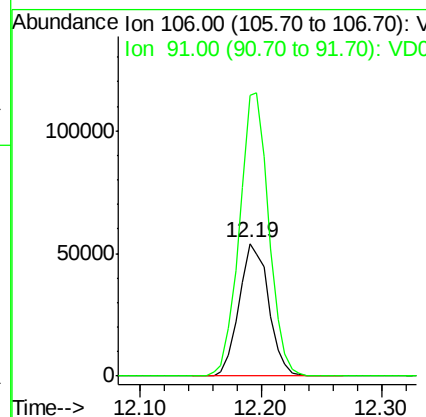
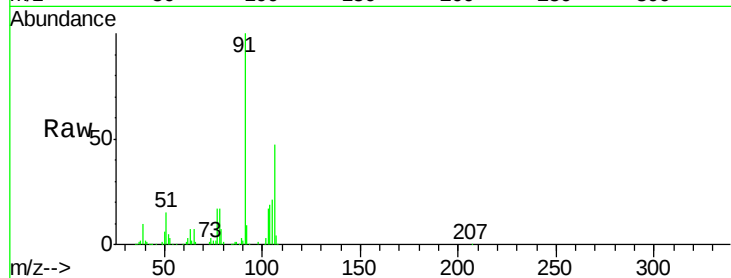




#69
o-Xylene
Concen: 21.024 ug/l
RT: 12.19 min Scan# 1746
Delta R.T. -0.01 min
Lab File: VD063837.D
Acq: 26 Sep 2019 14:35

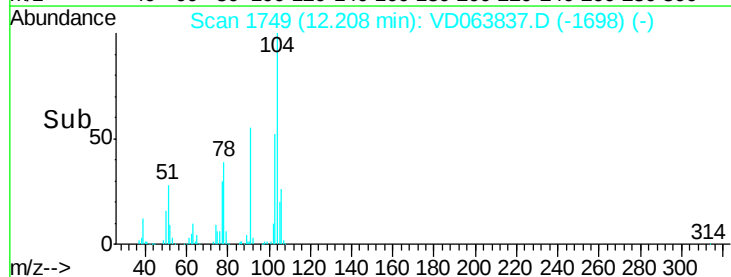
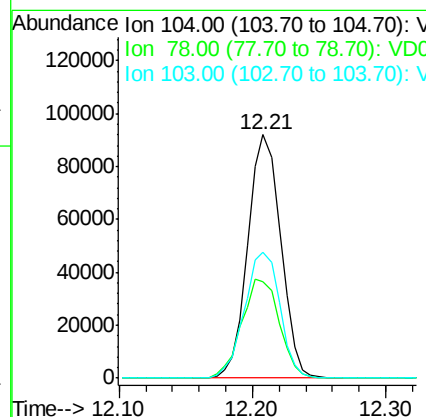
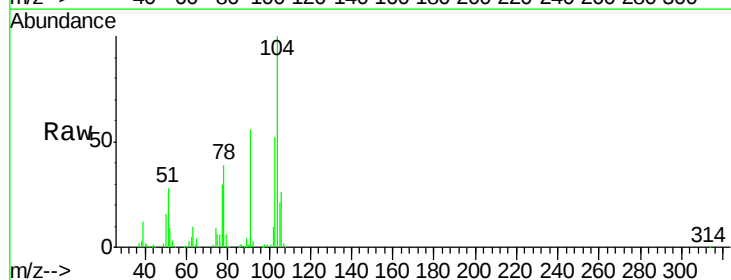
Instrument :
MSVOA_D
ClientSampleId :
VD0926SBS01

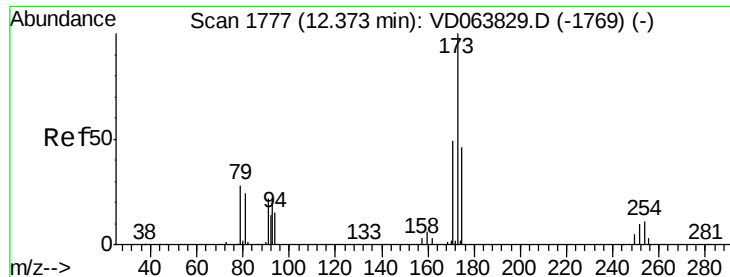
Tot Ion:106 Resp: 92910
Ion Ratio Lower Upper
106 100
91 210.2 102.4 307.1



#70
Styrene
Concen: 20.924 ug/l
RT: 12.21 min Scan# 1749
Delta R.T. 0.00 min
Lab File: VD063837.D
Acq: 26 Sep 2019 14:35

Tgt Ion:104 Resp: 156495
Ion Ratio Lower Upper
104 100
78 46.5 37.3 55.9
103 56.0 44.2 66.4

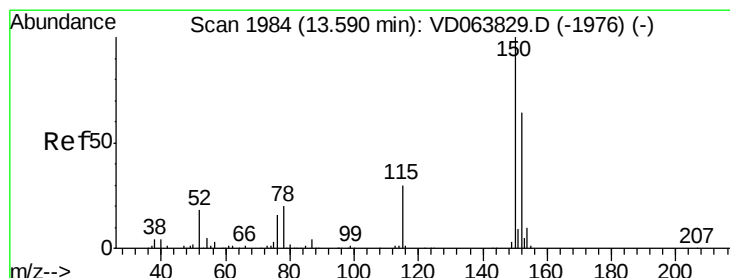
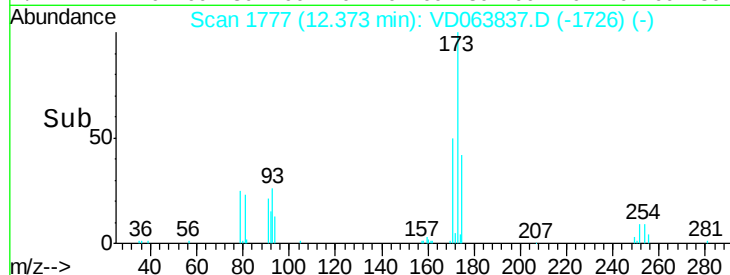
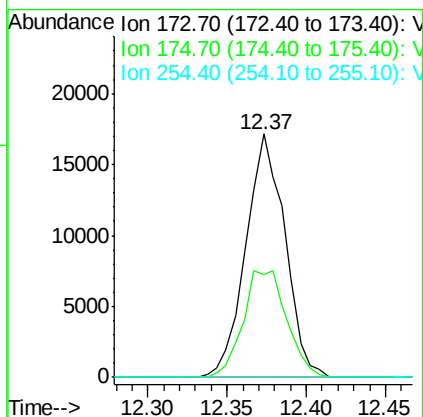
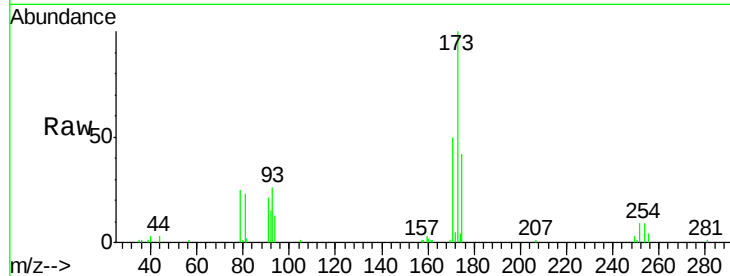




#71
Bromoform
Concen: 21.358 ug/l
RT: 12.37 min Scan# 1777
Delta R.T. 0.00 min
Lab File: VD063837.D
Acq: 26 Sep 2019 14:35

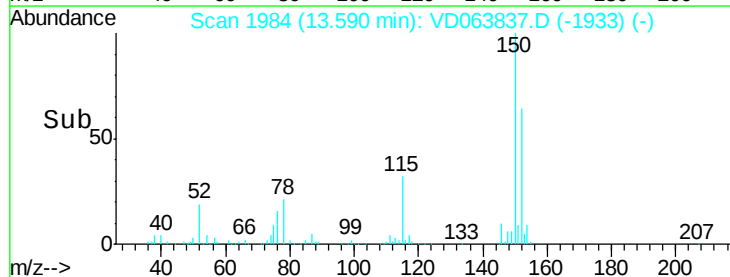
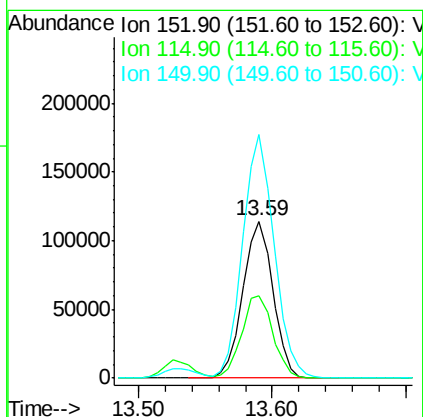
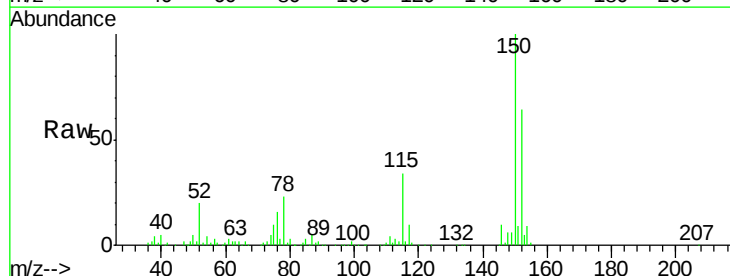
Instrument :
MSVOA_D
ClientSampleId :
VD0926SBS01

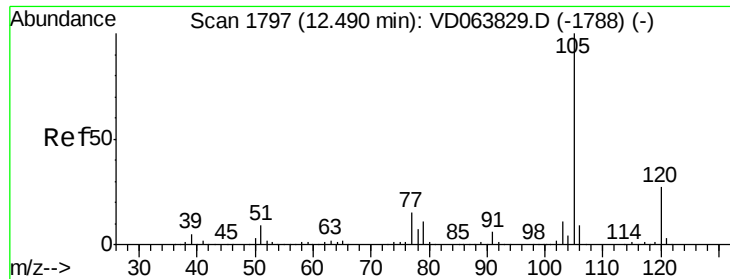
Tot Ion:173 Resp: 29432
Ion Ratio Lower Upper
173 100
175 48.8 23.3 69.8
254 0.0 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.59 min Scan# 1984
Delta R.T. 0.00 min
Lab File: VD063837.D
Acq: 26 Sep 2019 14:35

Tgt Ion:152 Resp: 177272
Ion Ratio Lower Upper
152 100
115 54.7 27.0 81.0
150 162.3 0.0 344.0





#73

Isopropylbenzene

Concen: 21.043 ug/l

RT: 12.49 min Scan# 1797

Delta R.T. 0.00 min

Lab File: VD063837.D

Acq: 26 Sep 2019 14:35

Instrument :

MSVOA_D

ClientSampleId :

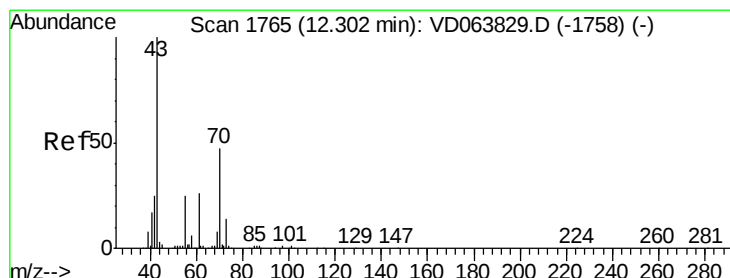
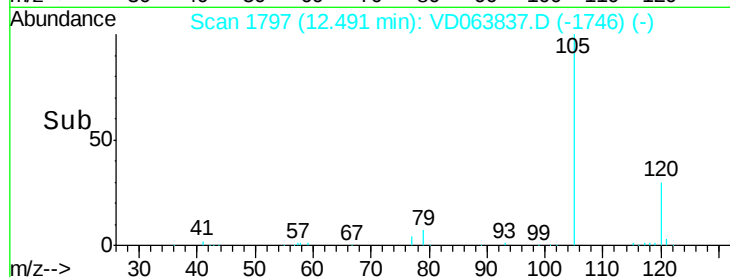
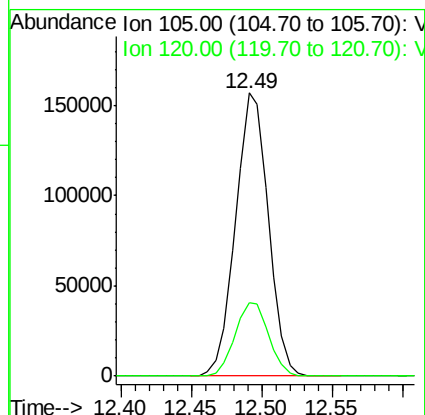
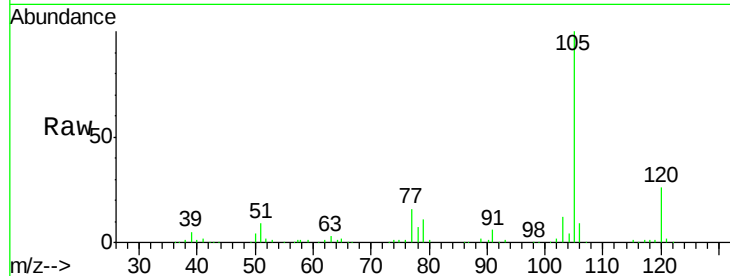
VD0926SBS01

Tot Ion:105 Resp: 254791

Ion Ratio Lower Upper

105 100

120 26.6 13.7 41.0



#74

N-ethyl acetate

Concen: 20.050 ug/l

RT: 12.30 min Scan# 1765

Delta R.T. 0.00 min

Lab File: VD063837.D

Acq: 26 Sep 2019 14:35

Tgt Ion: 43 Resp: 53144

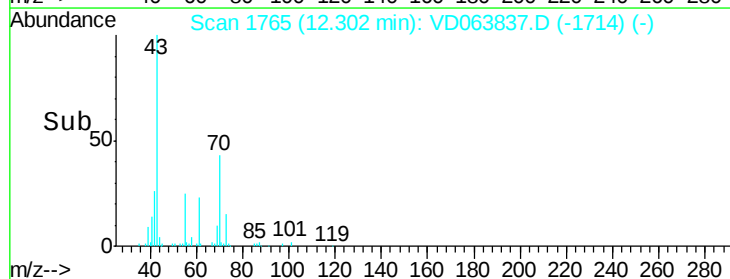
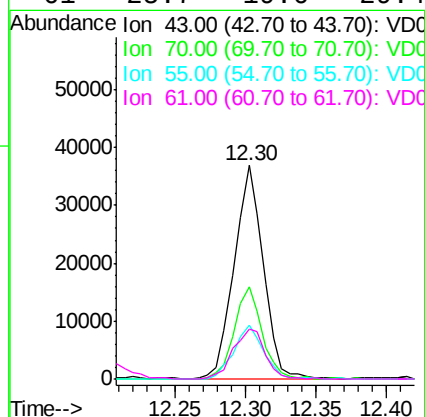
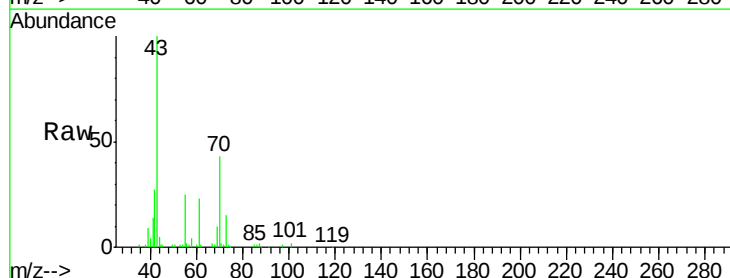
Ion Ratio Lower Upper

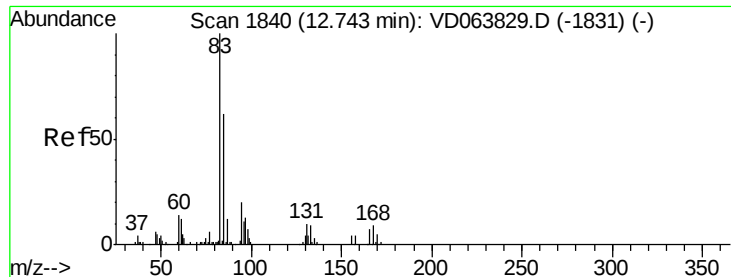
43 100

70 41.4 35.0 52.6

55 25.8 19.8 29.6

61 25.7 19.6 29.4





#75

1,1,2,2-Tetrachloroethane

Concen: 21.067 ug/l

RT: 12.74 min Scan# 1840

Delta R.T. 0.00 min

Lab File: VD063837.D

Acq: 26 Sep 2019 14:35

Instrument :

MSVOA_D

ClientSampleId :

VD0926SBS01

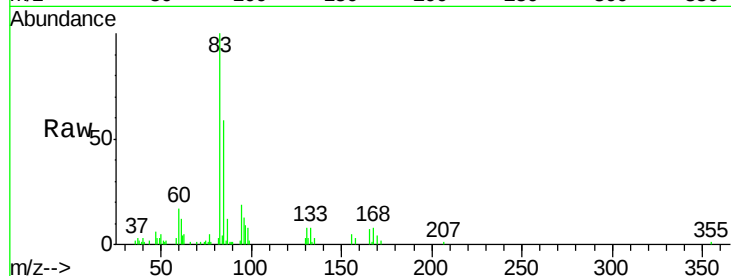
Tot Ion: 83 Resp: 42518

Ion Ratio Lower Upper

83 100

131 10.3 5.6 16.8

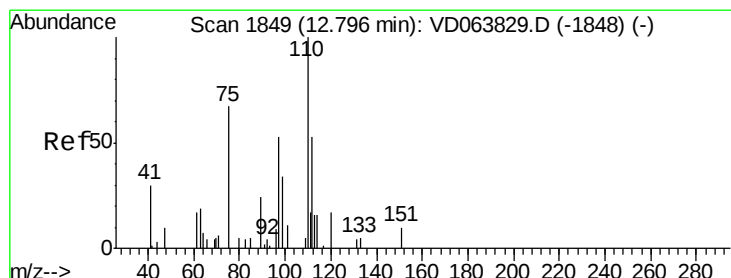
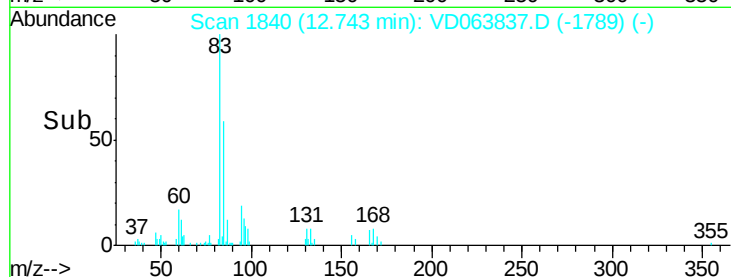
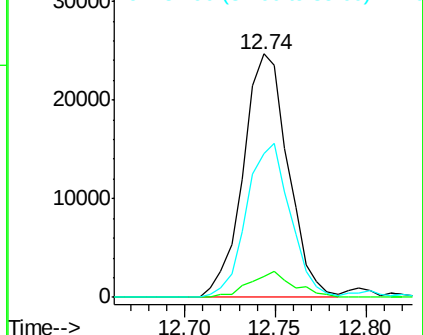
85 61.8 31.9 95.7



Abundance Ion 82.90 (82.60 to 83.60): VDC

Ion 130.80 (130.50 to 131.50): VDC

Ion 84.90 (84.60 to 85.60): VDC



#76

1,2,3-Trichloropropane

Concen: 21.790 ug/l m

RT: 12.80 min Scan# 1849

Delta R.T. 0.00 min

Lab File: VD063837.D

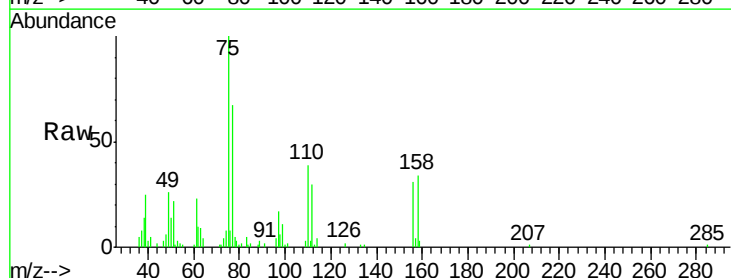
Acq: 26 Sep 2019 14:35

Tgt Ion: 75 Resp: 29289

Ion Ratio Lower Upper

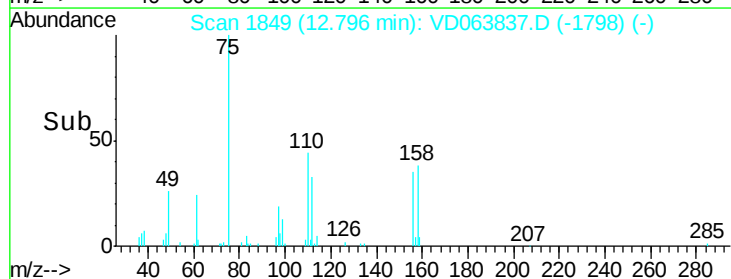
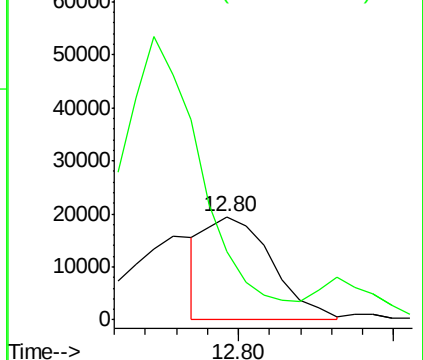
75 100

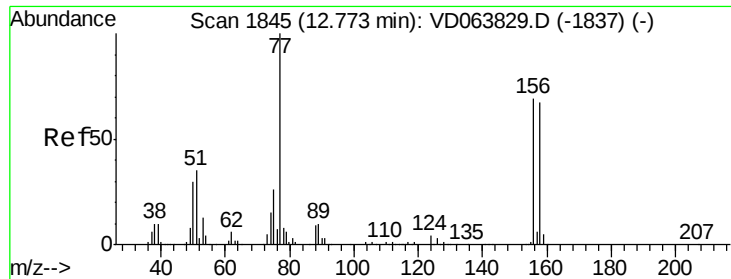
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC





#77

Bromobenzene

Concen: 20.689 ug/l

RT: 12.77 min Scan# 1845

Delta R.T. 0.00 min

Lab File: VD063837.D

Acq: 26 Sep 2019 14:35

Instrument :

MSVOA_D

ClientSampleId :

VD0926SBS01

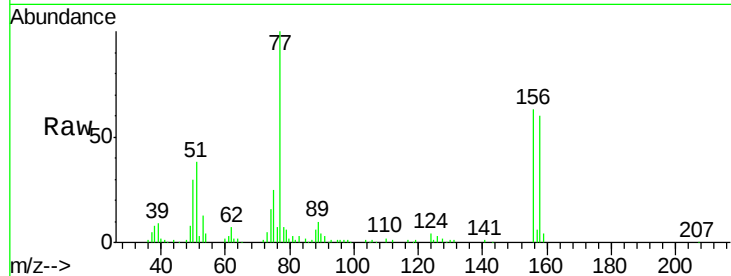
Tot Ion:156 Resp: 60203

Ion Ratio Lower Upper

156 100

77 164.3 79.8 239.4

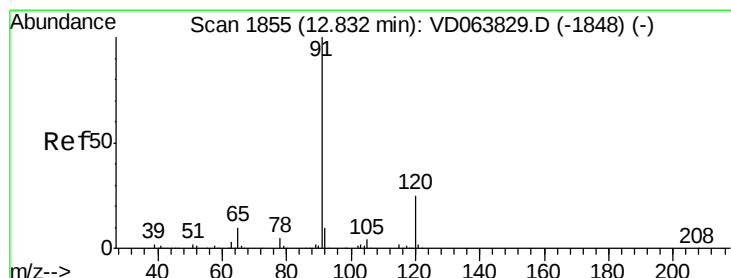
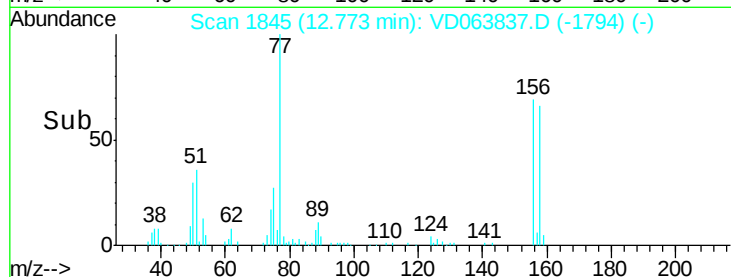
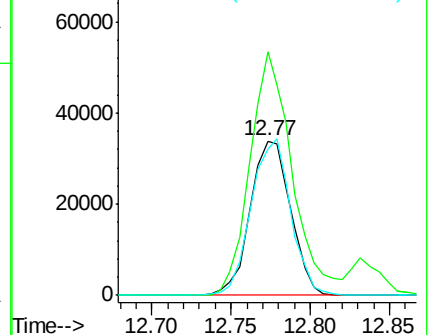
158 98.8 47.9 143.7



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: 21.044 ug/l

RT: 12.84 min Scan# 1856

Delta R.T. 0.01 min

Lab File: VD063837.D

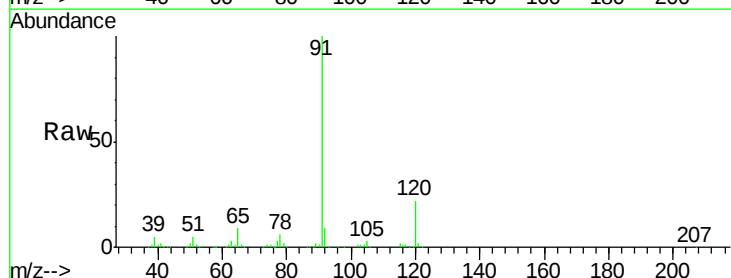
Acq: 26 Sep 2019 14:35

Tgt Ion: 91 Resp: 299780

Ion Ratio Lower Upper

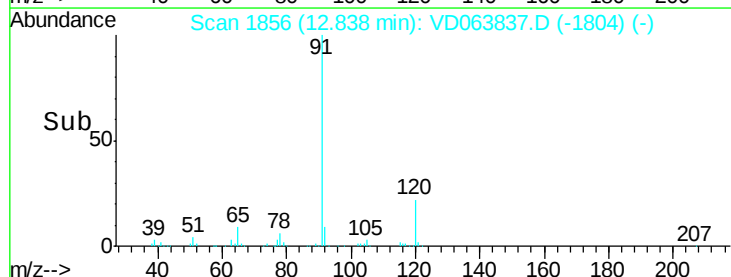
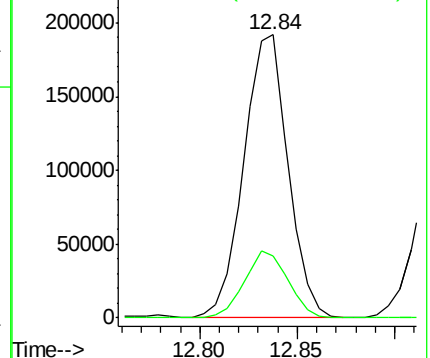
91 100

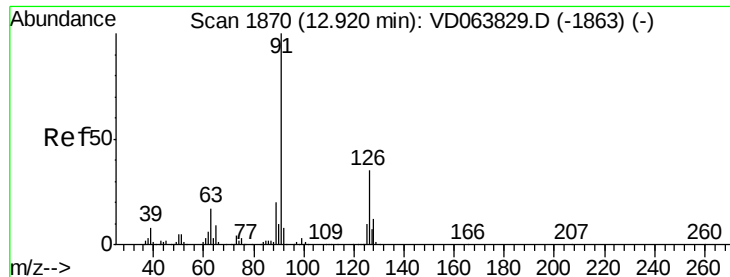
120 23.4 12.5 37.5



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.192 ug/l

RT: 12.92 min Scan# 1870

Delta R.T. 0.00 min

Lab File: VD063837.D

Acq: 26 Sep 2019 14:35

Instrument :

MSVOA_D

ClientSampleId :

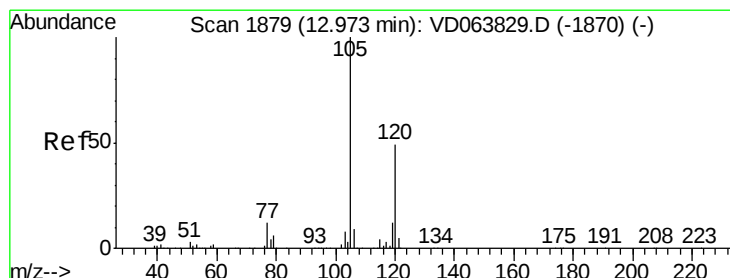
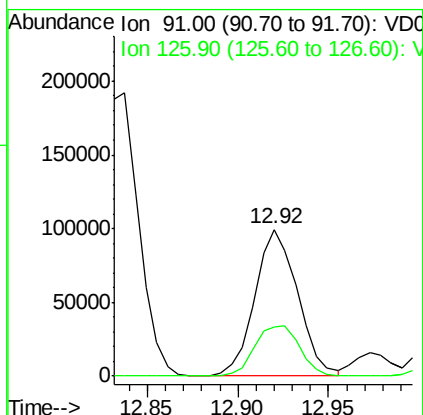
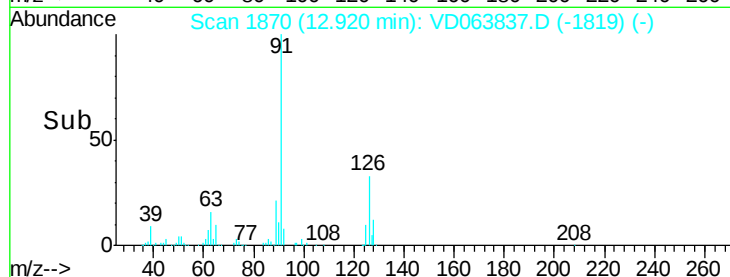
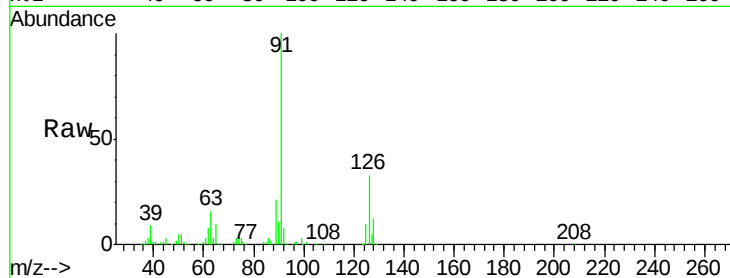
VD0926SBS01

Tot Ion: 91 Resp: 162827

Ion Ratio Lower Upper

91 100

126 36.2 17.8 53.5



#80

1,3,5-Trimethylbenzene

Concen: 21.045 ug/l

RT: 12.97 min Scan# 1879

Delta R.T. 0.00 min

Lab File: VD063837.D

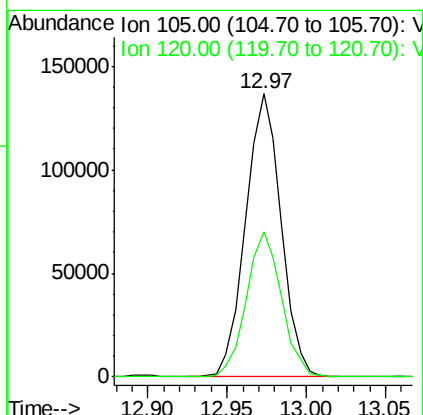
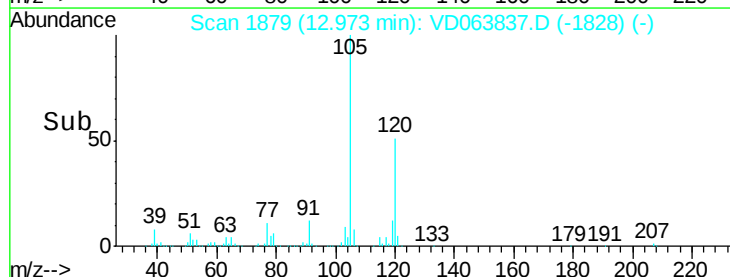
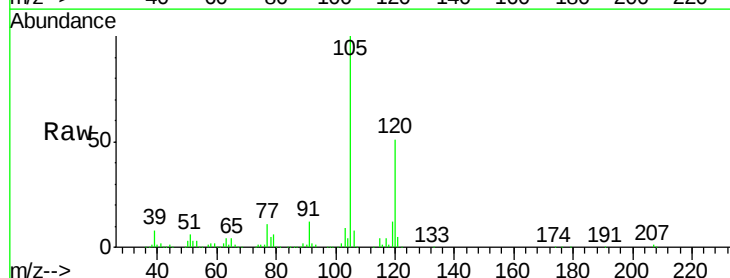
Acq: 26 Sep 2019 14:35

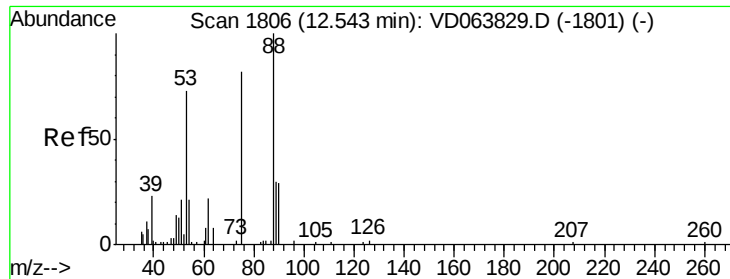
Tgt Ion: 105 Resp: 212422

Ion Ratio Lower Upper

105 100

120 50.8 24.9 74.8





#81

trans-1,4-Dichloro-2-butene

Concen: 21.193 ug/l

RT: 12.55 min Scan# 1807

Delta R.T. 0.01 min

Lab File: VD063837.D

Acq: 26 Sep 2019 14:35

Instrument :

MSVOA_D

ClientSampleId :

VD0926SBS01

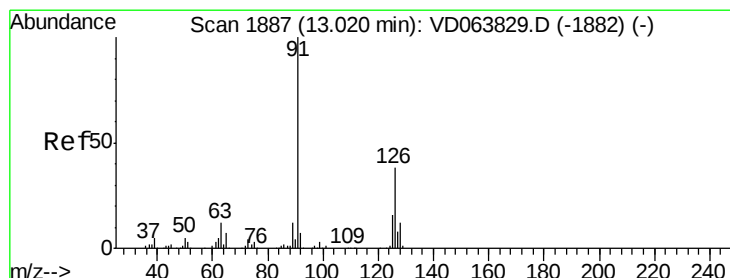
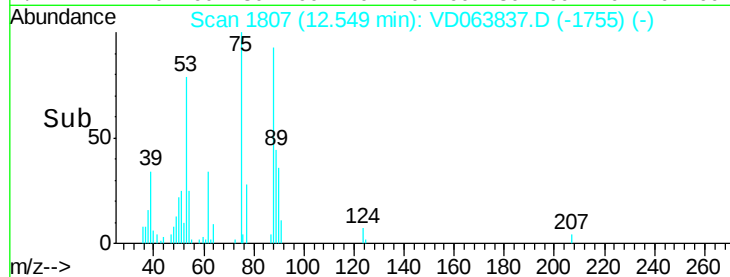
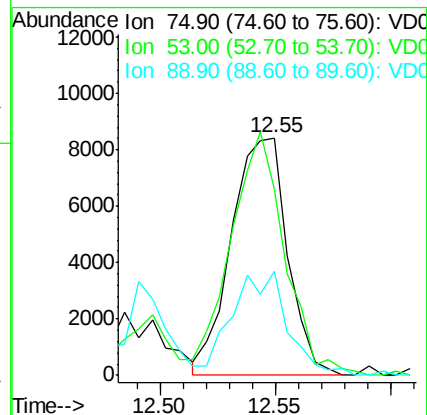
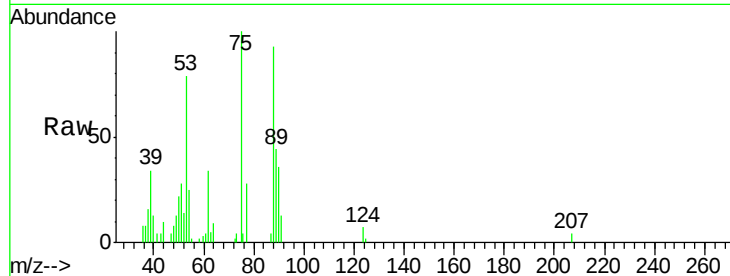
Tot Ion: 75 Resp: 14264

Ion Ratio Lower Upper

75 100

53 99.4 76.5 114.7

89 43.3 37.0 55.6



#82

4-Chlorotoluene

Concen: 21.099 ug/l

RT: 13.02 min Scan# 1887

Delta R.T. 0.00 min

Lab File: VD063837.D

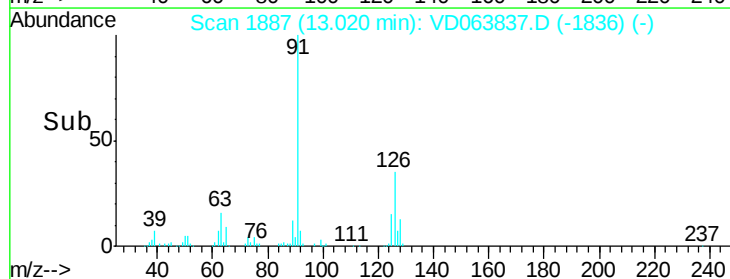
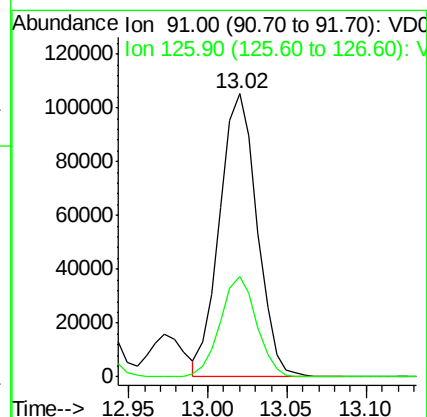
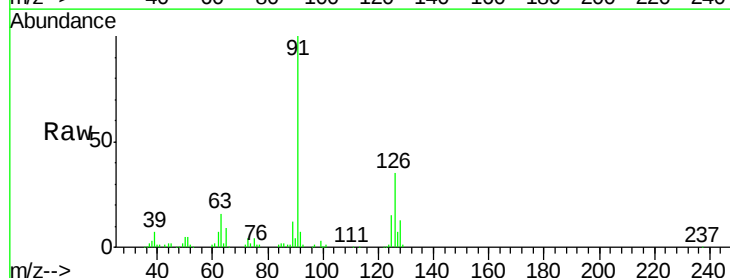
Acq: 26 Sep 2019 14:35

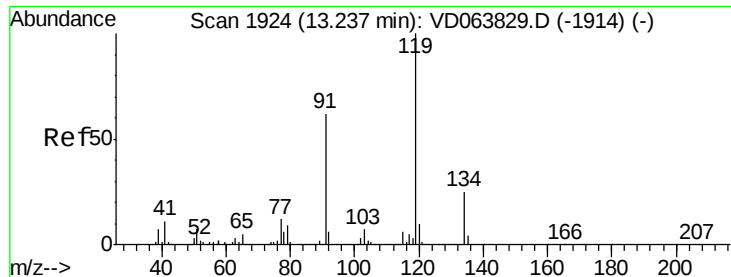
Tgt Ion: 91 Resp: 172936

Ion Ratio Lower Upper

91 100

126 34.4 18.6 55.6

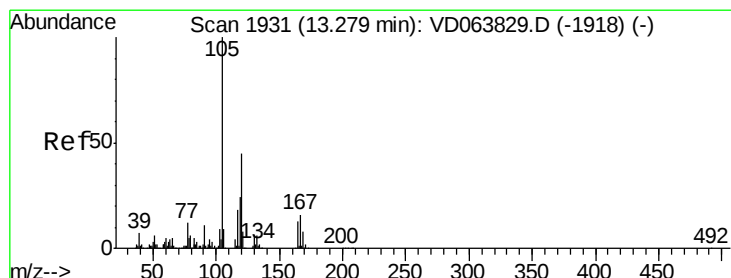
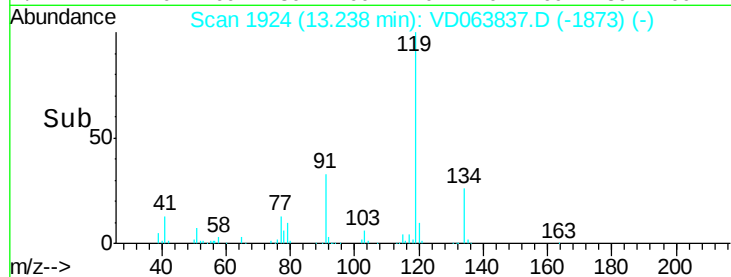
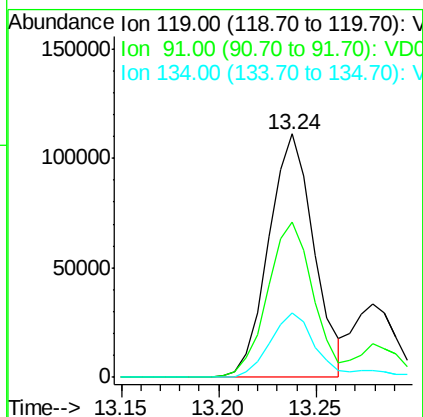
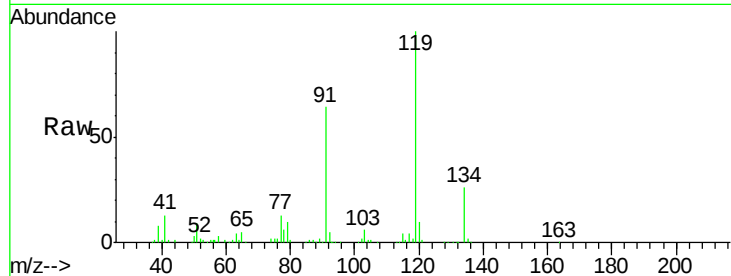




#83
tert-Butylbenzene
Concen: 20.299 ug/l
RT: 13.24 min Scan# 1924
Delta R.T. 0.00 min
Lab File: VD063837.D
Acq: 26 Sep 2019 14:35

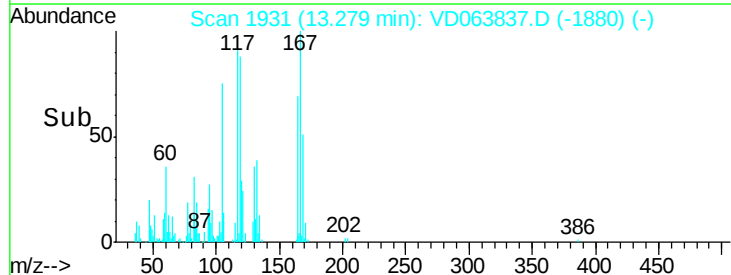
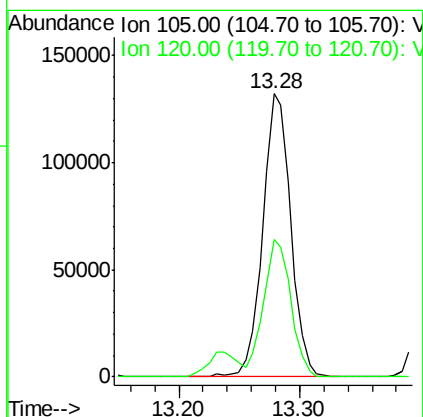
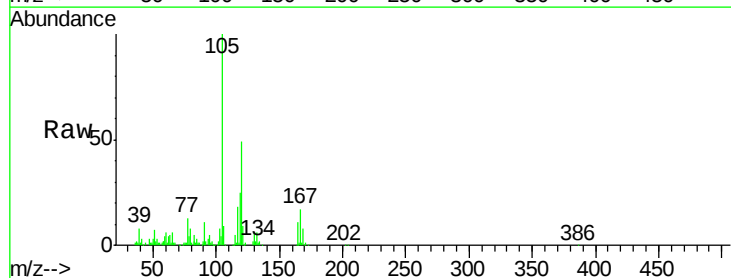
Instrument :
MSVOA_D
ClientSampleId :
VD0926SBS01

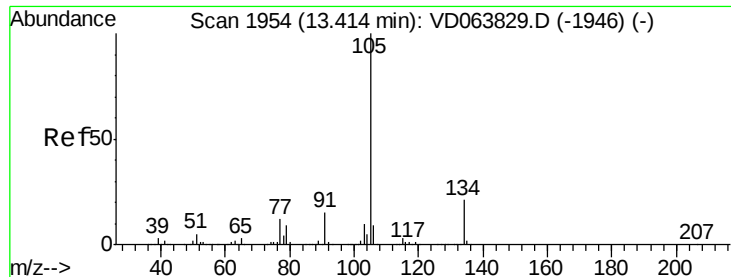
Tot Ion:119 Resp: 179033
Ion Ratio Lower Upper
119 100
91 65.6 30.8 92.3
134 25.9 13.2 39.6



#84
1,2,4-Trimethylbenzene
Concen: 20.827 ug/l
RT: 13.28 min Scan# 1931
Delta R.T. 0.00 min
Lab File: VD063837.D
Acq: 26 Sep 2019 14:35

Tgt Ion:105 Resp: 213422
Ion Ratio Lower Upper
105 100
120 47.4 23.0 69.0





#85

sec-Butylbenzene

Concen: 20.643 ug/l

RT: 13.41 min Scan# 1954

Delta R.T. 0.00 min

Lab File: VD063837.D

Acq: 26 Sep 2019 14:35

Instrument :

MSVOA_D

ClientSampleId :

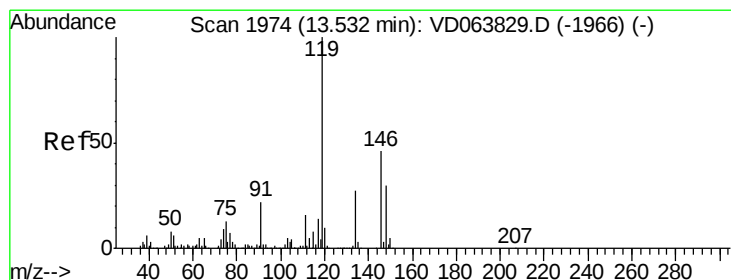
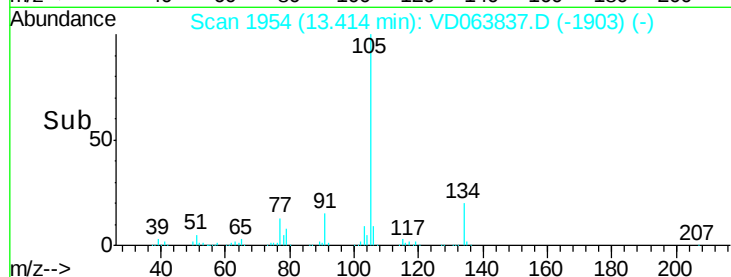
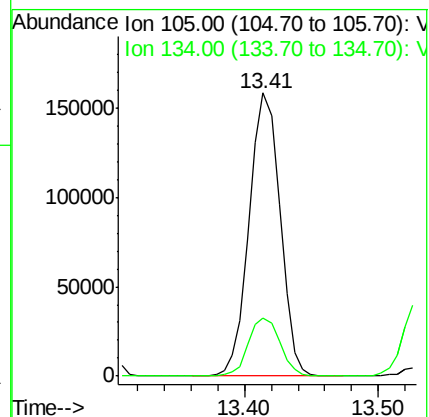
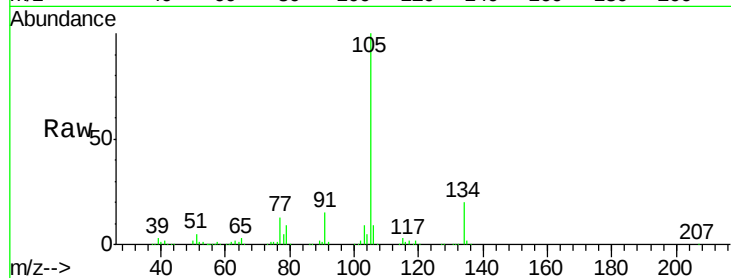
VD0926SBS01

Tot Ion:105 Resp: 253340

Ion Ratio Lower Upper

105 100

134 21.1 10.7 31.9



#86

p-Isopropyltoluene

Concen: 20.695 ug/l

RT: 13.53 min Scan# 1974

Delta R.T. 0.00 min

Lab File: VD063837.D

Acq: 26 Sep 2019 14:35

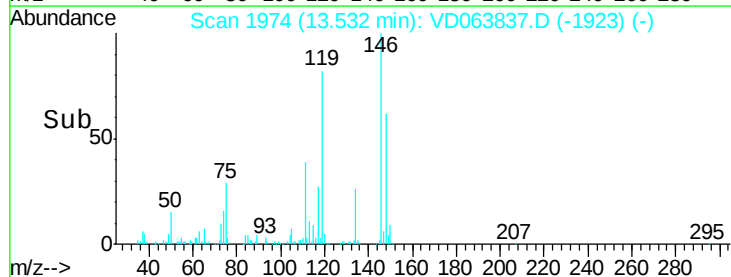
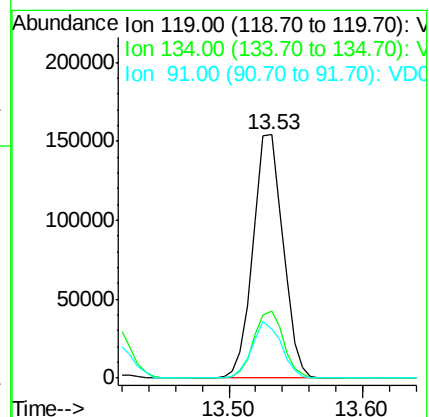
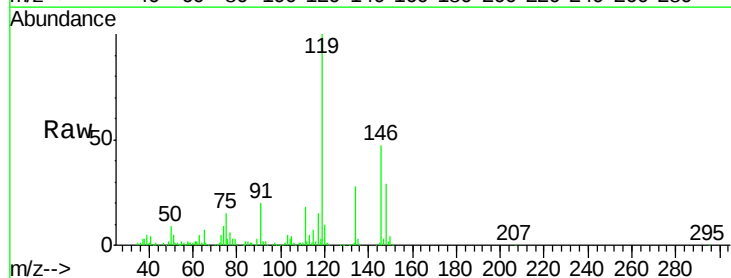
Tgt Ion:119 Resp: 238523

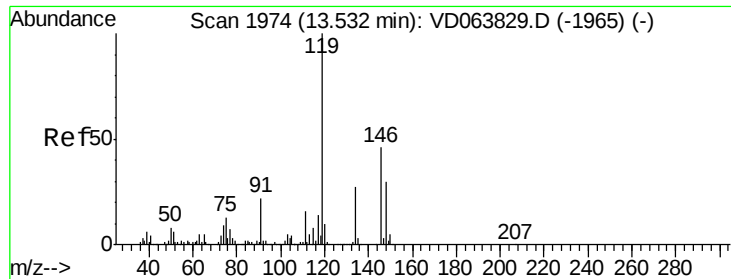
Ion Ratio Lower Upper

119 100

134 27.5 13.2 39.6

91 23.0 11.4 34.1





#87

1,3-Dichlorobenzene

Concen: 20.673 ug/l

RT: 13.53 min Scan# 1974

Delta R.T. 0.00 min

Lab File: VD063837.D

Acq: 26 Sep 2019 14:35

Instrument :

MSVOA_D

ClientSampleId :

VD0926SBS01

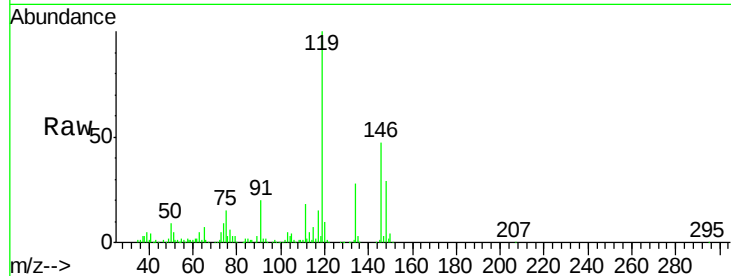
Tot Ion:146 Resp: 118115

Ion Ratio Lower Upper

146 100

111 38.5 18.3 54.8

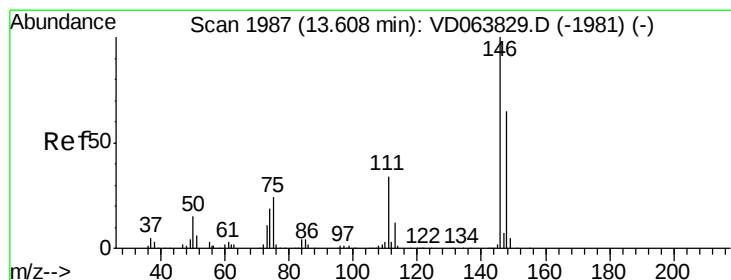
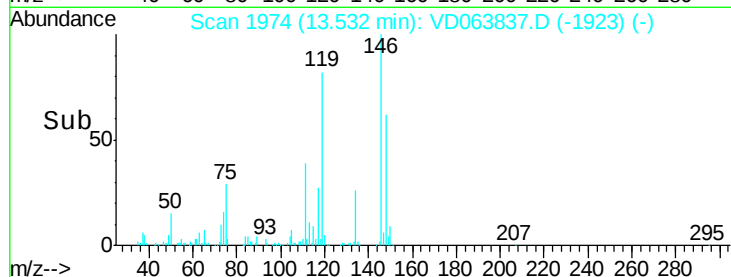
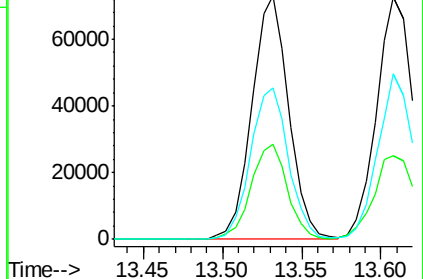
148 64.0 31.8 95.4



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: 20.307 ug/l

RT: 13.61 min Scan# 1987

Delta R.T. 0.00 min

Lab File: VD063837.D

Acq: 26 Sep 2019 14:35

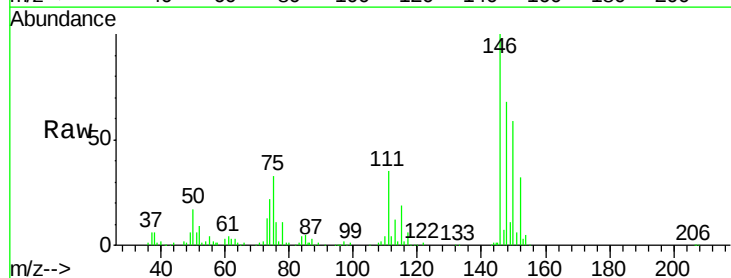
Tgt Ion:146 Resp: 115391

Ion Ratio Lower Upper

146 100

111 38.3 18.5 55.5

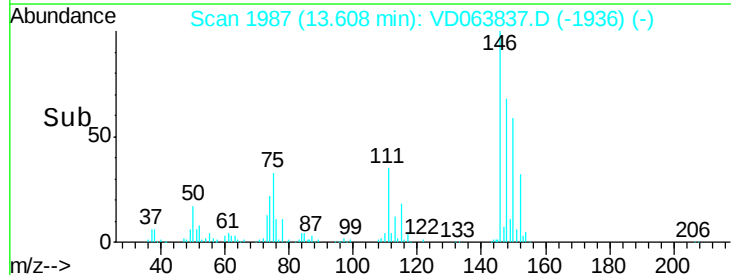
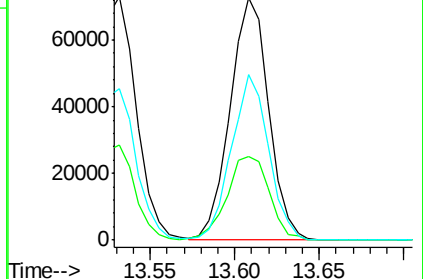
148 66.0 33.0 99.0

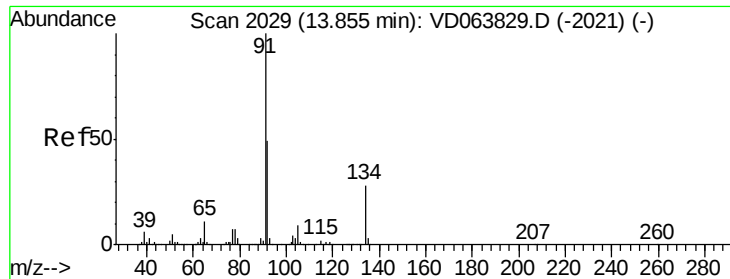


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

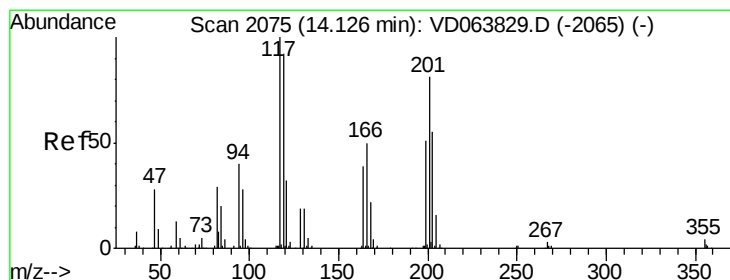
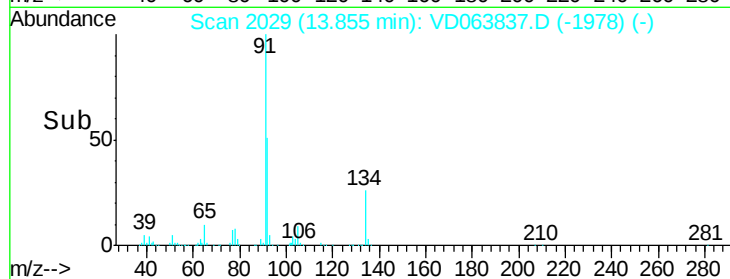
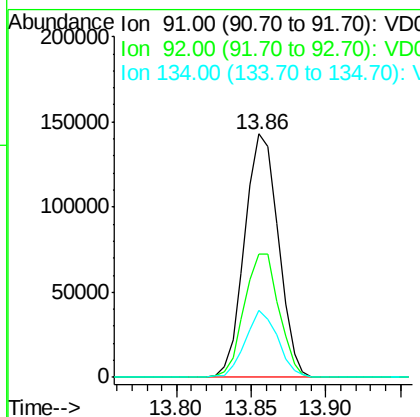
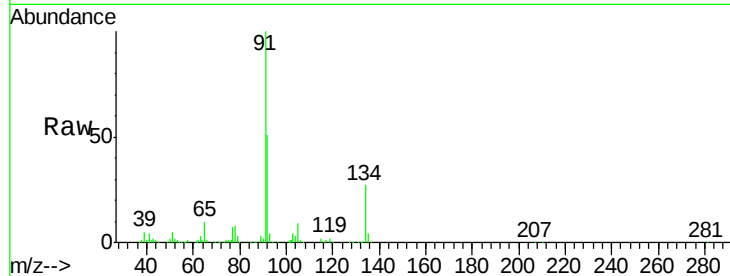




#89
n-Butylbenzene
Concen: 20.391 ug/l
RT: 13.86 min Scan# 2029
Delta R.T. 0.00 min
Lab File: VD063837.D
Acq: 26 Sep 2019 14:35

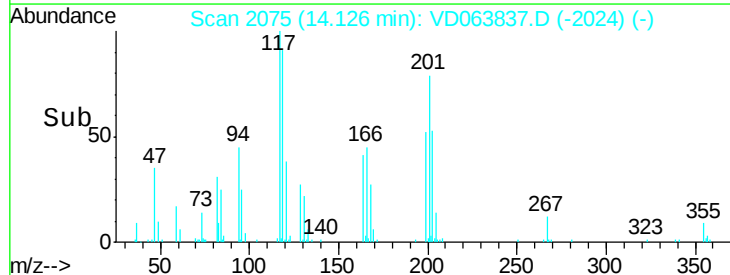
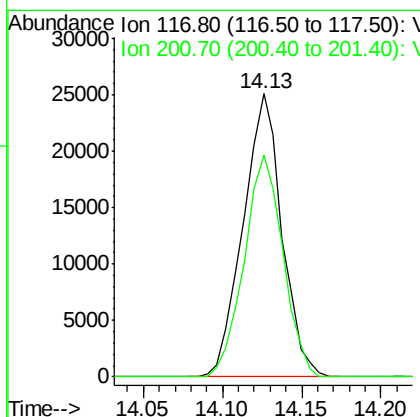
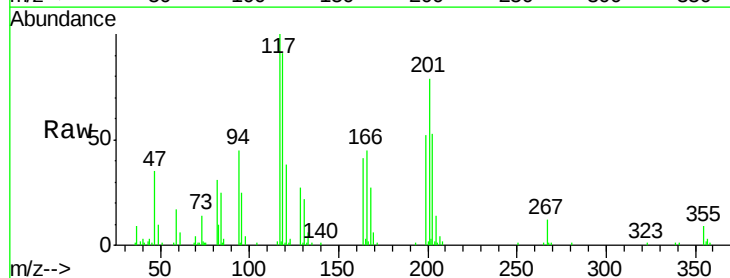
Instrument :
MSVOA_D
ClientSampleId :
VD0926SBS01

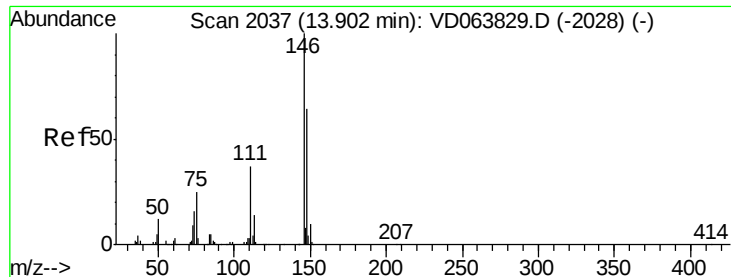
Tot Ion: 91 Resp: 223688
Ion Ratio Lower Upper
91 100
92 52.2 26.1 78.2
134 26.4 14.0 41.9



#90
Hexachloroethane
Concen: 19.924 ug/l
RT: 14.13 min Scan# 2075
Delta R.T. 0.00 min
Lab File: VD063837.D
Acq: 26 Sep 2019 14:35

Tgt Ion: 117 Resp: 42536
Ion Ratio Lower Upper
117 100
201 78.3 39.3 117.8

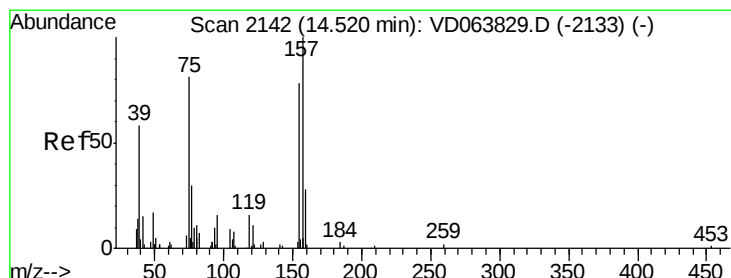
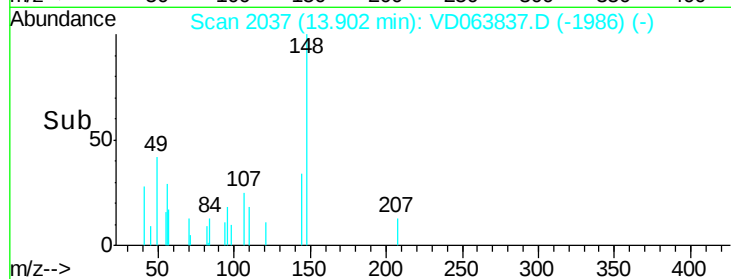
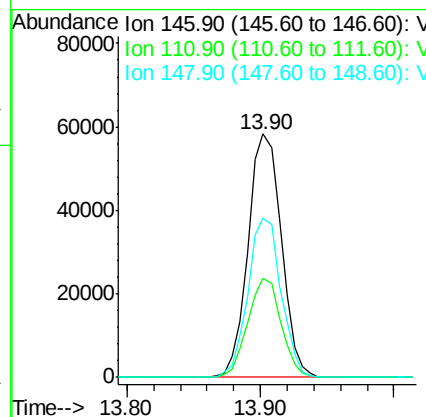
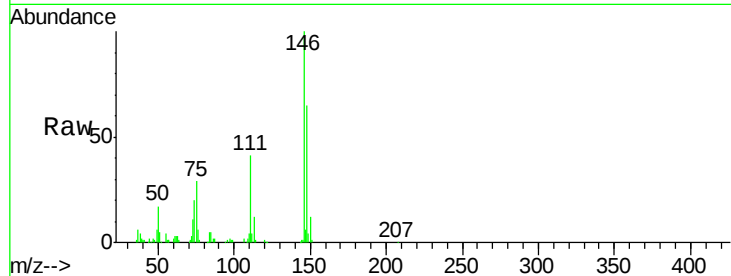




#91
 1,2-Dichlorobenzene
 Concen: 20.396 ug/l
 RT: 13.90 min Scan# 2037
 Delta R.T. 0.00 min
 Lab File: VD063837.D
 Acq: 26 Sep 2019 14:35

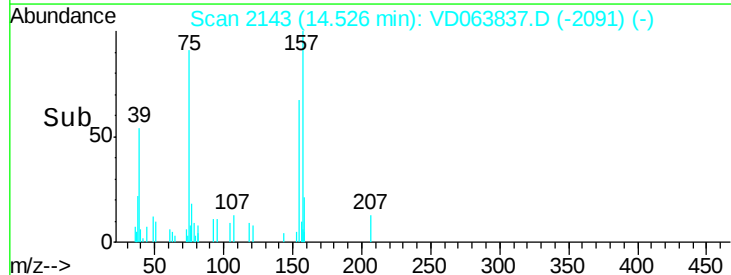
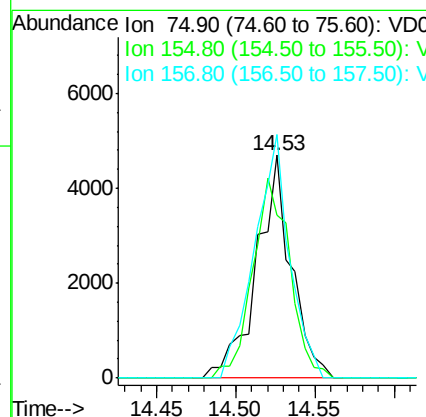
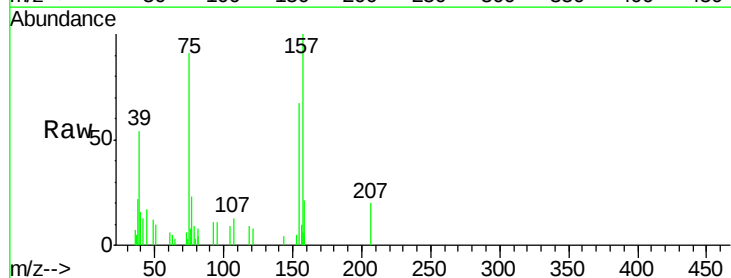
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0926SBS01

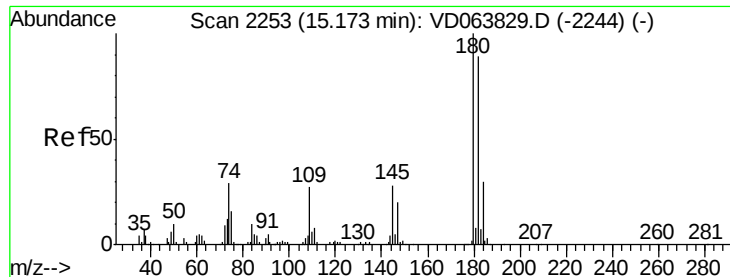
Tot Ion	Ratio	Lower	Upper
146	100		
111	40.5	18.9	56.7
148	65.1	32.2	96.6



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.853 ug/l
 RT: 14.53 min Scan# 2143
 Delta R.T. 0.01 min
 Lab File: VD063837.D
 Acq: 26 Sep 2019 14:35

Tgt Ion	Ratio	Lower	Upper
75	100		
155	96.6	48.0	144.0
157	111.1	63.2	189.8

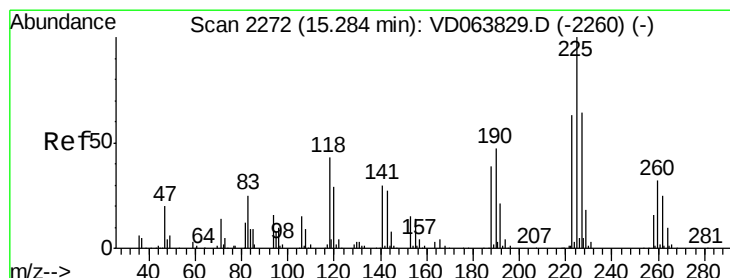
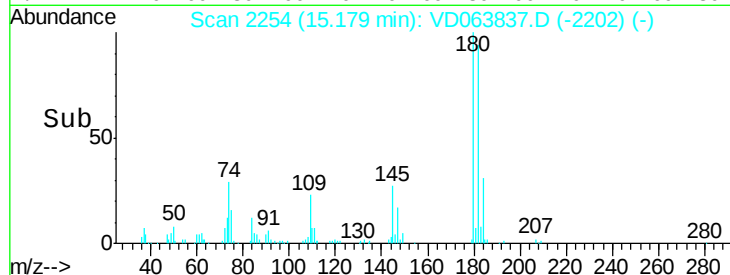
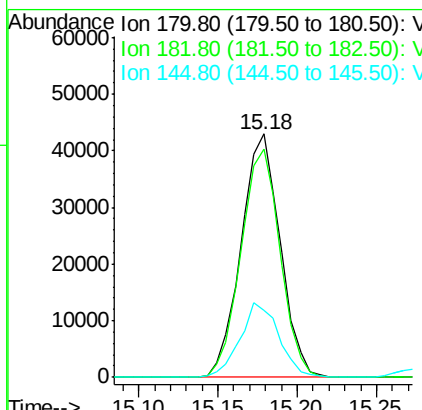
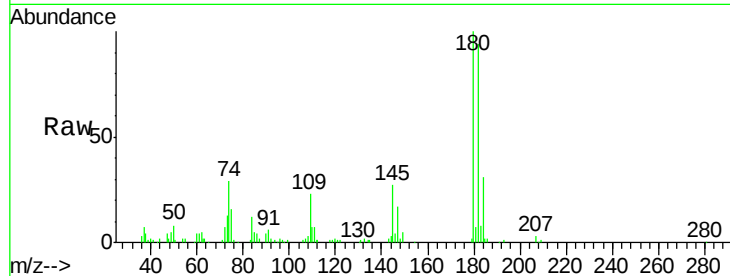




#93
 1,2,4-Trichlorobenzene
 Concen: 19.748 ug/l
 RT: 15.18 min Scan# 2254
 Delta R.T. 0.01 min
 Lab File: VD063837.D
 Acq: 26 Sep 2019 14:35

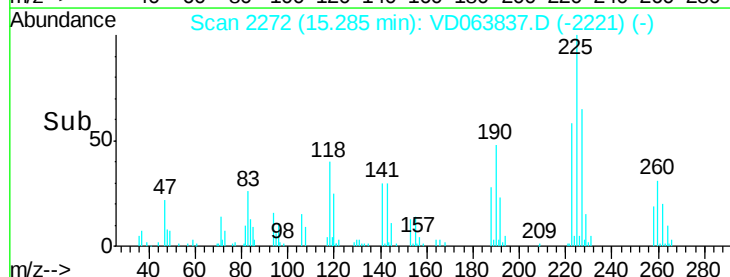
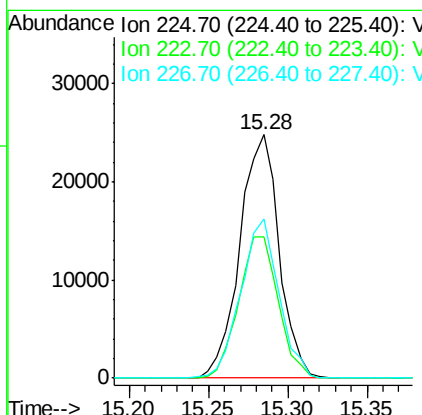
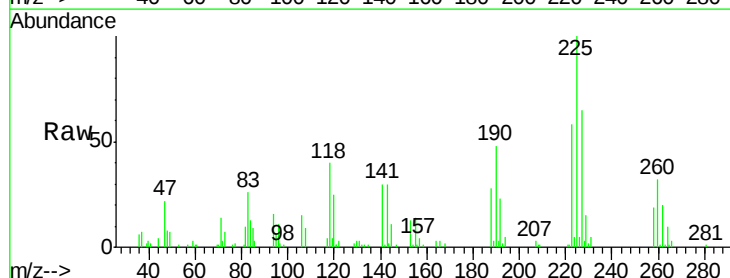
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0926SBS01

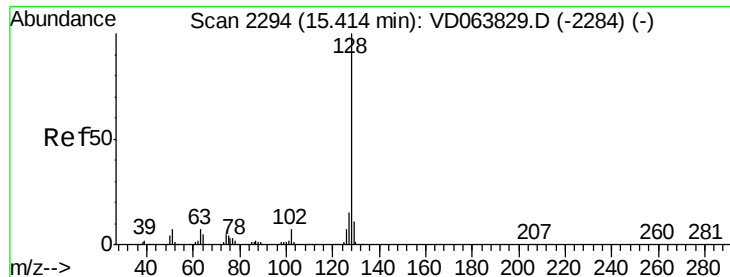
Tot Ion	180	182	145
Resp:	73497		
Ion Ratio	100	94.0	30.3
Lower		46.5	14.4
Upper		139.5	43.4



#94
 Hexachlorobutadiene
 Concen: 20.252 ug/l
 RT: 15.28 min Scan# 2272
 Delta R.T. 0.00 min
 Lab File: VD063837.D
 Acq: 26 Sep 2019 14:35

Tgt Ion	225	223	227
Resp:	42706		
Ion Ratio	100	58.6	63.5
Lower		32.8	32.8
Upper		98.3	98.3





#95

Naphthalene

Concen: 19.914 ug/l

RT: 15.41 min Scan# 2294

Delta R.T. 0.00 min

Lab File: VD063837.D

Acq: 26 Sep 2019 14:35

Instrument :

MSVOA_D

ClientSampleId :

VD0926SBS01

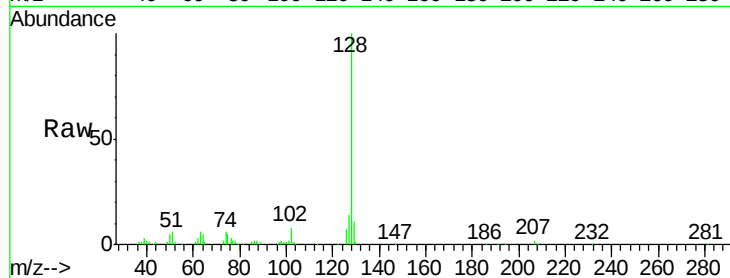
Tot Ion:128 Resp: 133094

Ion Ratio Lower Upper

128 100

127 14.4 10.8 16.2

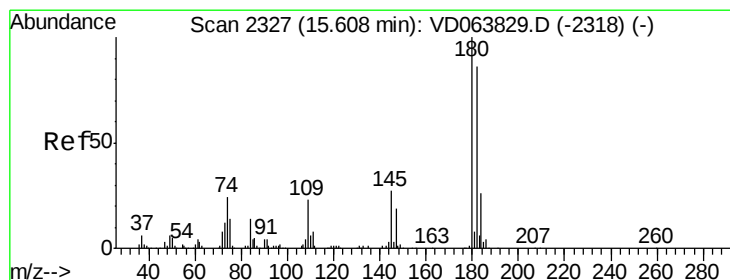
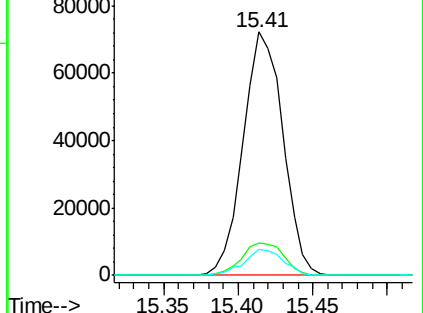
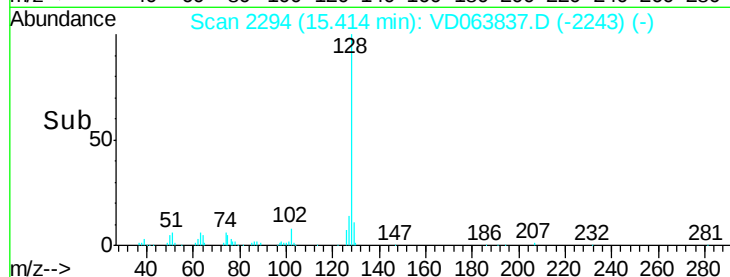
129 10.6 8.8 13.2



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: 20.202 ug/l

RT: 15.61 min Scan# 2328

Delta R.T. 0.01 min

Lab File: VD063837.D

Acq: 26 Sep 2019 14:35

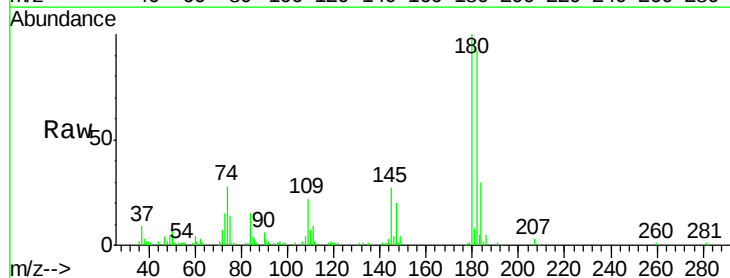
Tgt Ion:180 Resp: 66658

Ion Ratio Lower Upper

180 100

182 94.9 46.6 139.7

145 29.3 14.5 43.5



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

