

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD092519\
 Data File : VD063827.D
 Acq On : 25 Sep 2019 17:25
 Operator : VA/SY
 Sample : VSTDIC010
 Misc : 5.00µ/5.00mL/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Sep 26 11:08:11 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D092519S.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 26 11:05:05 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	8.00	168	242469	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.88	114	380847	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.66	117	360055	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	185208	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.36	65	23043	10.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	20.18%	
35) Dibromofluoromethane	7.94	113	26579	10.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	21.98%	
50) Toluene-d8	10.36	98	90206	9.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	19.82%	
62) 4-Bromofluorobenzene	12.64	95	33786	10.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	20.68%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.00	85	17762	10.681	ug/l	83
3) Chloromethane	2.22	50	63263	12.554	ug/l	99
4) Vinyl Chloride	2.36	62	58656	11.405	ug/l	97
5) Bromomethane	2.79	94	31535	10.480	ug/l	96
6) Chloroethane	2.94	64	42036	11.868	ug/l	99
7) Trichlorofluoromethane	3.29	101	78039	11.286	ug/l	97
8) Diethyl Ether	3.73	74	12275	10.887	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	4.10	101	23556	11.484	ug/l	98
10) Methyl Iodide	4.32	142	21824	8.912	ug/l #	92
11) Tert butyl alcohol	5.29	59	10375	58.653	ug/l #	88
12) 1,1-Dichloroethene	4.09	96	22733	10.980	ug/l #	78
13) Acrolein	3.95	56	10721	49.783	ug/l	93
14) Allyl chloride	4.73	41	35272	10.777	ug/l	98
15) Acrylonitrile	5.46	53	25285	50.766	ug/l	97
16) Acetone	4.19	43	27317	53.302	ug/l #	82
17) Carbon Disulfide	4.42	76	74513	10.646	ug/l	98
18) Methyl Acetate	4.76	43	12940	10.255	ug/l #	76
19) Methyl tert-butyl Ether	5.51	73	55146	10.638	ug/l	98
20) Methylene Chloride	4.99	84	35232	11.426	ug/l	94
21) trans-1,2-Dichloroethene	5.49	96	25725	10.674	ug/l	97
22) Diisopropyl ether	6.40	45	71952	10.645	ug/l	97
23) Vinyl Acetate	6.33	43	218077	54.546	ug/l	96
24) 1,1-Dichloroethane	6.28	63	42938	10.456	ug/l	97
25) 2-Butanone	7.25	43	36972	55.183	ug/l #	89
26) 2,2-Dichloropropane	7.24	77	40775	10.617	ug/l	98
27) cis-1,2-Dichloroethene	7.24	96	28195	10.426	ug/l	92
28) Bromochloromethane	7.57	49	14954	9.280	ug/l #	99
29) Tetrahydrofuran	7.60	42	21518	53.600	ug/l	96
30) Chloroform	7.73	83	47487	10.646	ug/l	92
31) Cyclohexane	8.01	56	47516	11.591	ug/l #	83
32) 1,1,1-Trichloroethane	7.92	97	42409	10.515	ug/l	96
36) 1,1-Dichloropropene	8.13	75	38644	11.124	ug/l	98
37) Ethyl Acetate	7.33	43	16473	11.354	ug/l	96
38) Carbon Tetrachloride	8.11	117	37788	10.451	ug/l	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.37	83	46023	10.640	ug/l	94
40) Benzene	8.37	78	102671	10.732	ug/l	92
41) Methacrylonitrile	7.56	41	10142	11.836	ug/l #	88
42) 1,2-Dichloroethane	8.44	62	29501	10.545	ug/l	98
43) Isopropyl Acetate	8.48	43	31575	10.856	ug/l	100
44) Trichloroethene	9.13	130	29584	10.678	ug/l	93
45) 1,2-Dichloropropane	9.41	63	24666	10.437	ug/l #	88
46) Dibromomethane	9.49	93	13182	9.882	ug/l	89
47) Bromodichloromethane	9.68	83	35818	10.417	ug/l	95
48) Methyl methacrylate	9.47	41	14907	11.269	ug/l	98
49) 1,4-Dioxane	9.48	88	3992	214.528	ug/l	96
51) 4-Methyl-2-Pentanone	10.25	43	80542	54.968	ug/l	99
52) Toluene	10.42	92	67544	10.412	ug/l	100
53) t-1,3-Dichloropropene	10.64	75	34979	10.263	ug/l	97
54) cis-1,3-Dichloropropene	10.11	75	40286	10.413	ug/l	94
55) 1,1,2-Trichloroethane	10.82	97	19520	10.356	ug/l	88
56) Ethyl methacrylate	10.68	69	23695	9.891	ug/l	89
57) 1,3-Dichloropropane	10.96	76	34953	10.914	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.96	63	57405	53.614	ug/l	100
59) 2-Hexanone	11.00	43	56363	53.911	ug/l	97
60) Dibromochloromethane	11.16	129	25931	10.425	ug/l	99
61) 1,2-Dibromoethane	11.26	107	19444	10.319	ug/l	98
64) Tetrachloroethene	10.89	164	24248	9.998	ug/l	96
65) Chlorobenzene	11.68	112	76216	10.523	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.76	131	25833	9.705	ug/l	92
67) Ethyl Benzene	11.76	91	138226	10.566	ug/l	100
68) m/p-Xylenes	11.86	106	104194	20.740	ug/l	99
69) o-Xylene	12.19	106	47695	10.058	ug/l	96
70) Styrene	12.21	104	80975	10.090	ug/l	96
71) Bromoform	12.37	173	14919	10.090	ug/l #	90
73) Isopropylbenzene	12.49	105	134918	10.665	ug/l	97
74) N-amyl acetate	12.30	43	31033	11.206	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.74	83	22217	10.536	ug/l	96
76) 1,2,3-Trichloropropane	12.80	75	29854	25.417	ug/l #	100
77) Bromobenzene	12.77	156	31223	10.270	ug/l	93
78) n-propylbenzene	12.83	91	162089	10.891	ug/l	97
79) 2-Chlorotoluene	12.92	91	85400	10.638	ug/l	96
80) 1,3,5-Trimethylbenzene	12.97	105	114416	10.850	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.54	75	7043	10.016	ug/l #	92
82) 4-Chlorotoluene	13.02	91	92355	10.785	ug/l	99
83) tert-Butylbenzene	13.24	119	97938	10.629	ug/l	100
84) 1,2,4-Trimethylbenzene	13.28	105	113569	10.608	ug/l	98
85) sec-Butylbenzene	13.41	105	137505	10.724	ug/l	100
86) p-Isopropyltoluene	13.53	119	124125	10.308	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	61630	10.325	ug/l	98
88) 1,4-Dichlorobenzene	13.61	146	61888	10.425	ug/l	95
89) n-Butylbenzene	13.86	91	123001	10.732	ug/l	96
90) Hexachloroethane	14.12	117	22415	10.050	ug/l	97
91) 1,2-Dichlorobenzene	13.90	146	53600	10.468	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	4033	11.336	ug/l	94

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Quant Title : SW846 8260
QLast Update : Thu Sep 26 11:05:05 2019
Response via : Initial Calibration

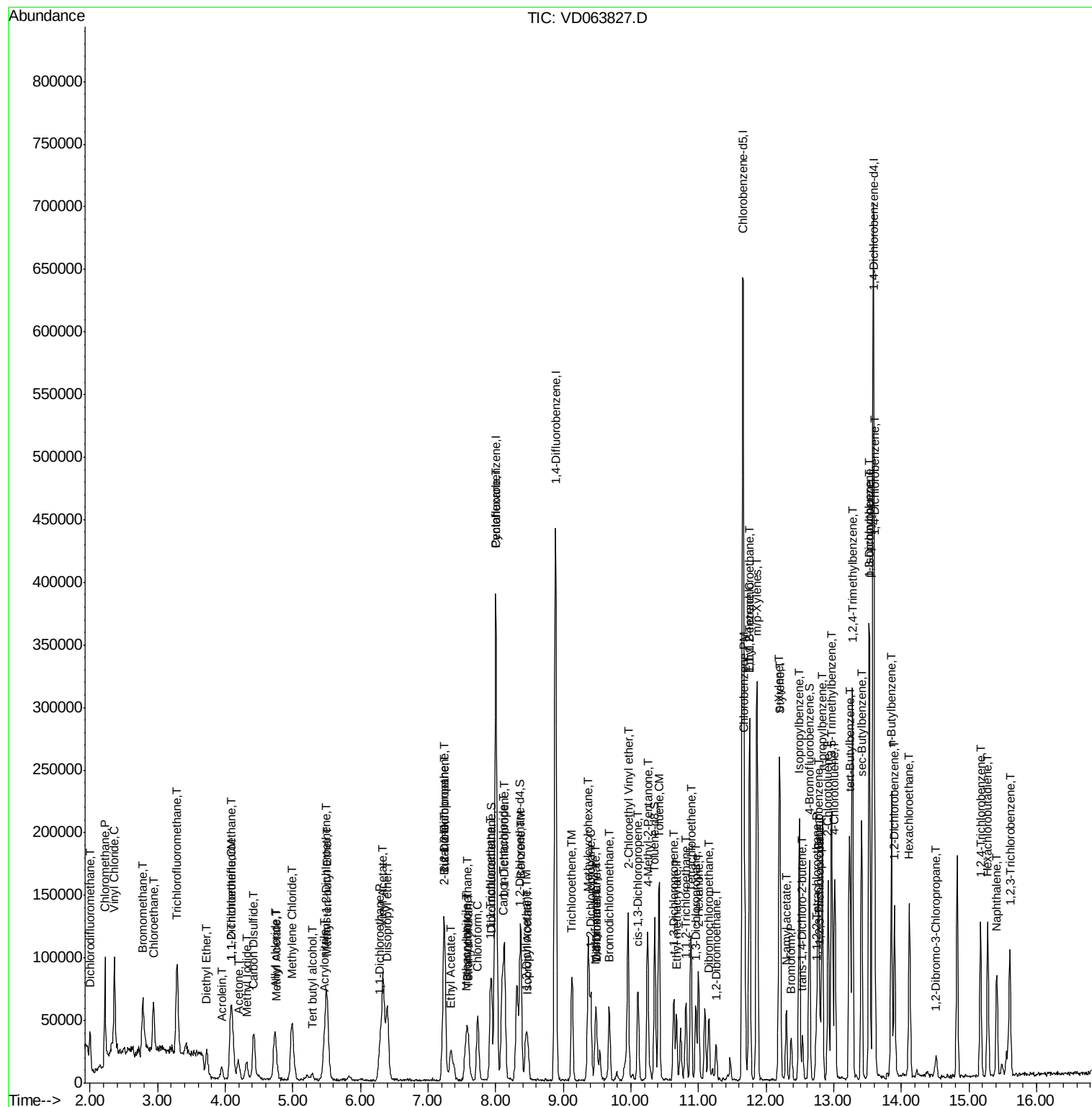
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	39183	10.077	ug/l	97
94) Hexachlorobutadiene	15.28	225	23044	10.460	ug/l	98
95) Naphthalene	15.41	128	71907	10.298	ug/l	100
96) 1,2,3-Trichlorobenzene	15.61	180	34818	10.100	ug/l	94

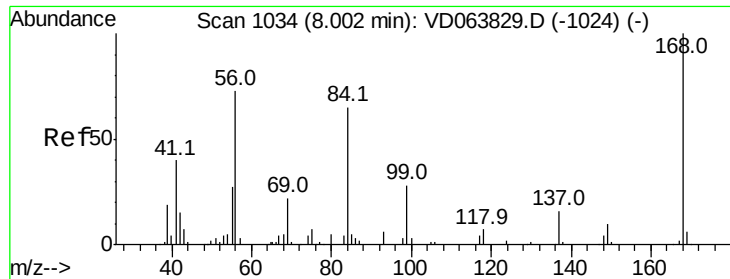
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.00 min Scan# 1034

Delta R.T. 0.00 min

Lab File: VD063827.D

Acq: 25 Sep 2019 17:25

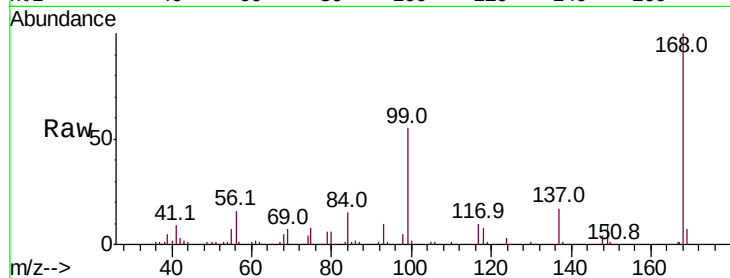
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 242469

Ion Ratio Lower Upper

168 100

99 55.3 41.2 61.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

8.00

120000

100000

80000

60000

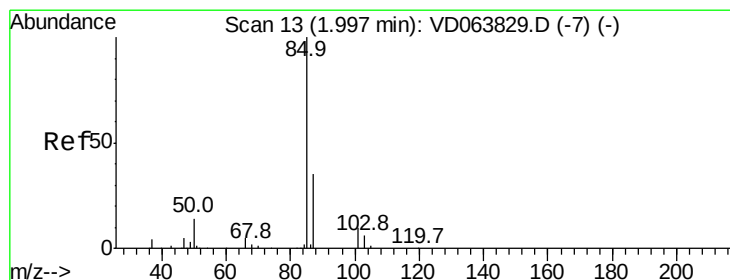
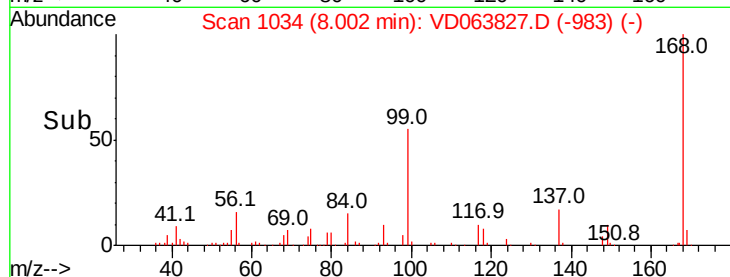
40000

20000

0

Time-->

7.90 8.00 8.10



#2

Dichlorodifluoromethane

Concen: 10.681 ug/l

RT: 2.00 min Scan# 13

Delta R.T. 0.00 min

Lab File: VD063827.D

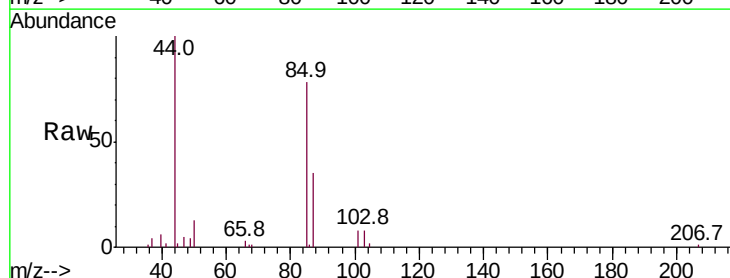
Acq: 25 Sep 2019 17:25

Tgt Ion: 85 Resp: 17762

Ion Ratio Lower Upper

85 100

87 44.4 17.3 51.7



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

2.00

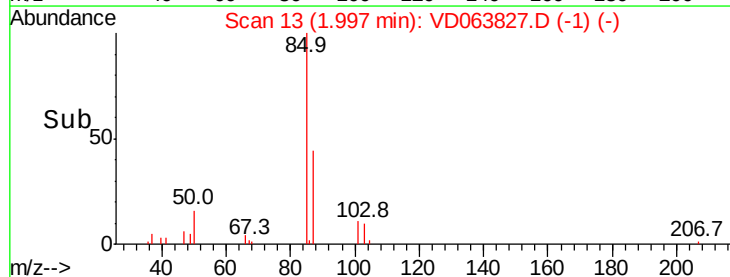
10000

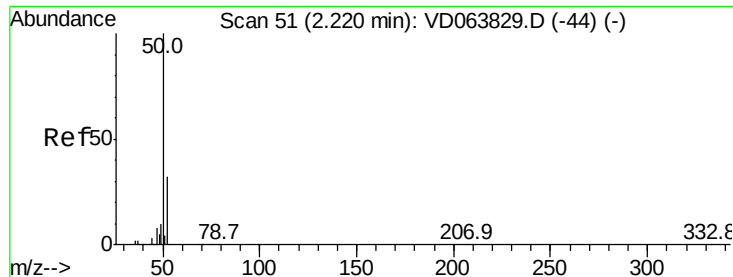
5000

0

Time-->

1.95 2.00 2.05





#3

Chloromethane

Concen: 12.554 ug/l

RT: 2.22 min Scan# 51

Delta R.T. 0.00 min

Lab File: VD063827.D

Acq: 25 Sep 2019 17:25

Instrument :

MSVOA_D

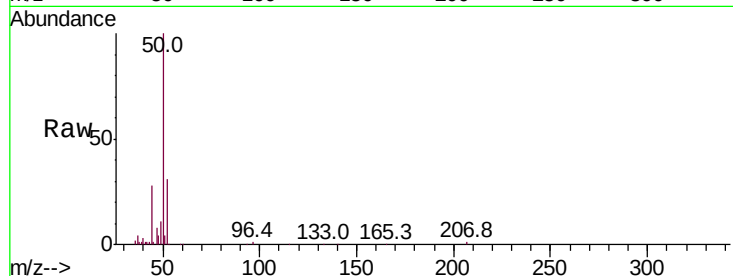
ClientSampleId :

Tot Ion: 50 Resp: 63263

Ion Ratio Lower Upper

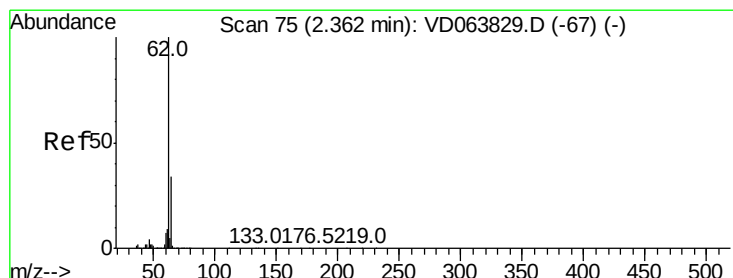
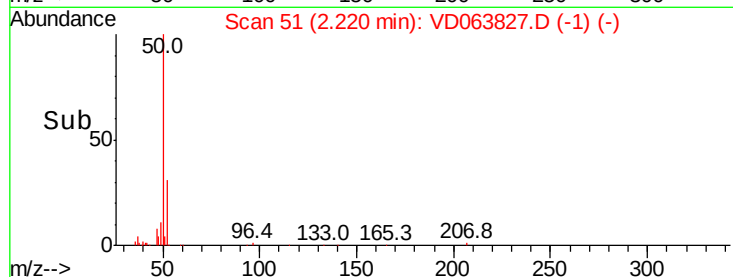
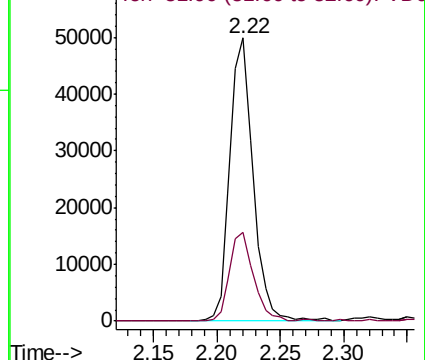
50 100

52 31.4 25.6 38.4



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 11.405 ug/l

RT: 2.36 min Scan# 75

Delta R.T. 0.00 min

Lab File: VD063827.D

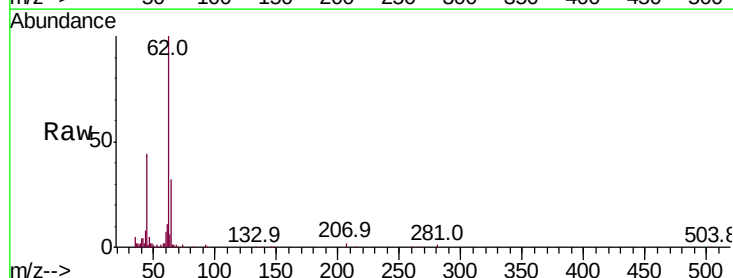
Acq: 25 Sep 2019 17:25

Tgt Ion: 62 Resp: 58656

Ion Ratio Lower Upper

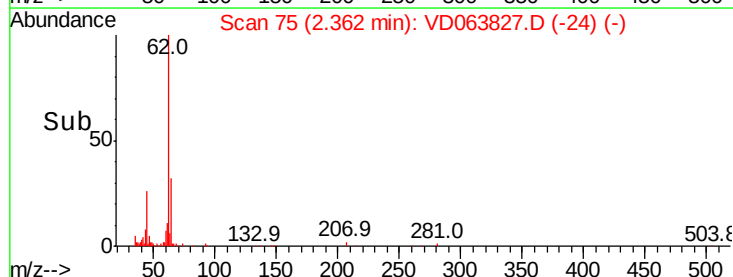
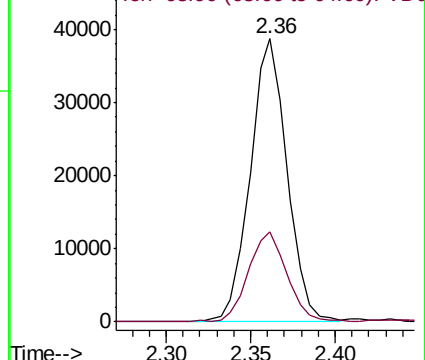
62 100

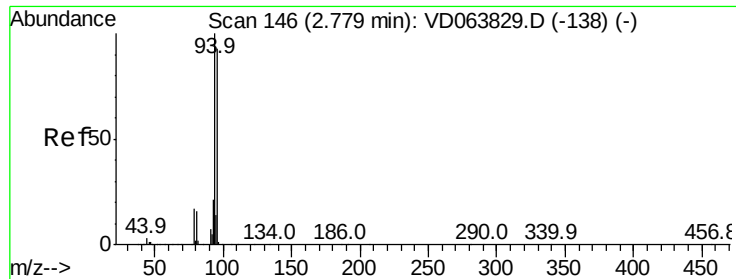
64 32.0 27.1 40.7



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 10.480 ug/l

RT: 2.79 min Scan# 147

Delta R.T. 0.01 min

Lab File: VD063827.D

Acq: 25 Sep 2019 17:25

Instrument :

MSVOA_D

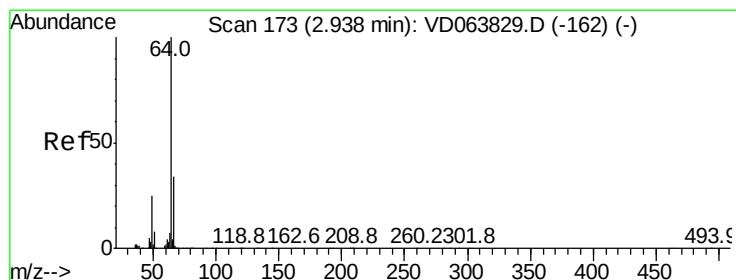
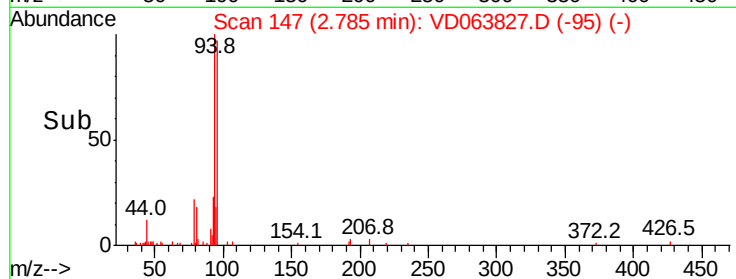
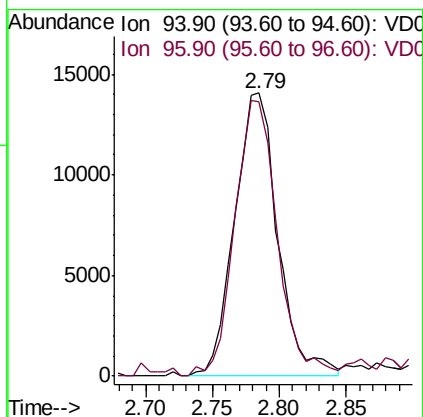
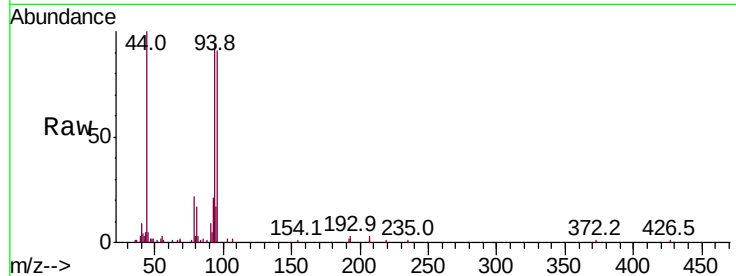
ClientSampleId :

Tot Ion: 94 Resp: 31535

Ion Ratio Lower Upper

94 100

96 96.9 74.2 111.2



#6

Chloroethane

Concen: 11.868 ug/l

RT: 2.94 min Scan# 173

Delta R.T. 0.00 min

Lab File: VD063827.D

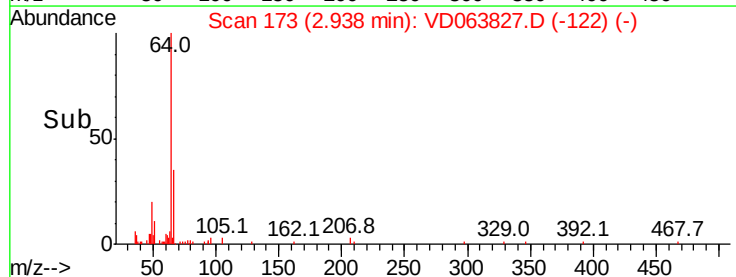
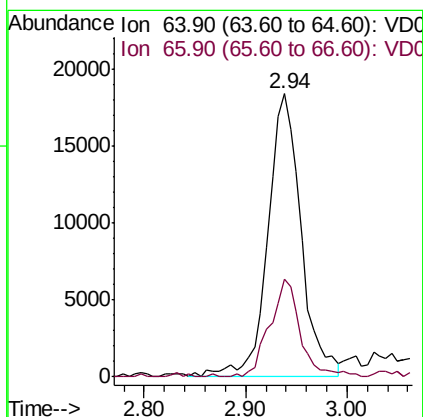
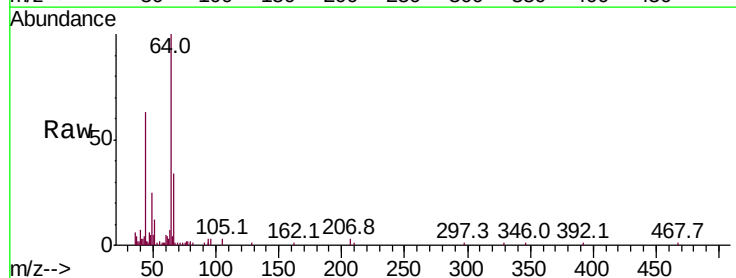
Acq: 25 Sep 2019 17:25

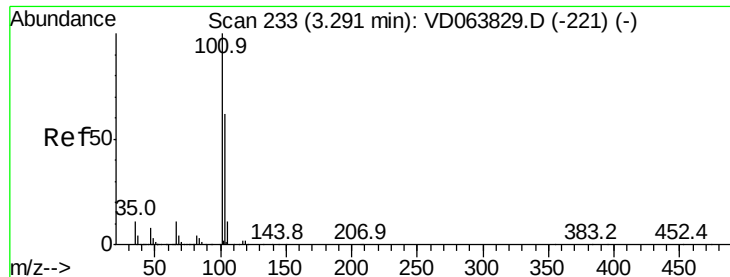
Tgt Ion: 64 Resp: 42036

Ion Ratio Lower Upper

64 100

66 33.3 26.9 40.3



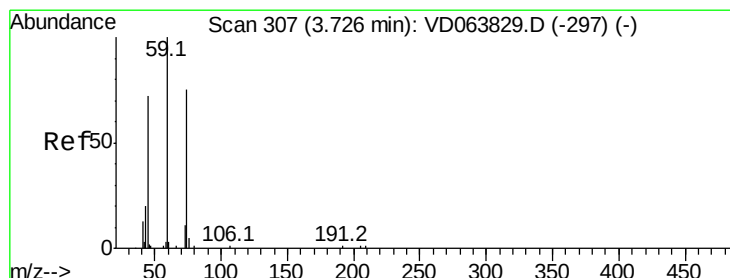
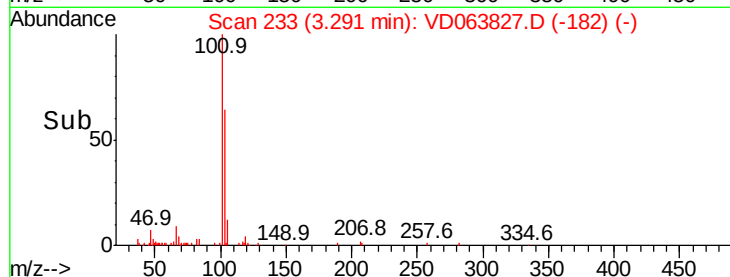
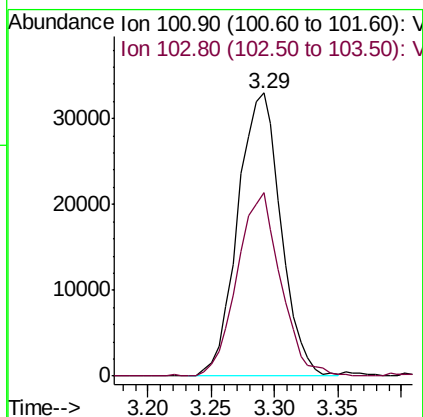
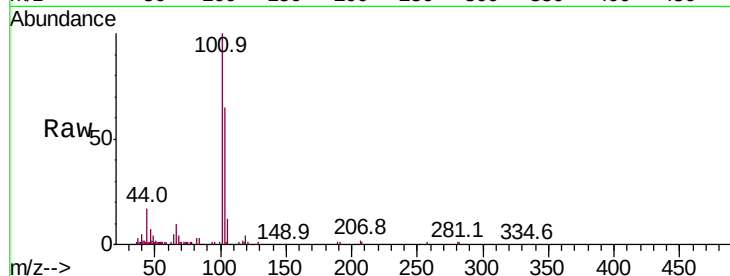


#7

Trichlorofluoromethane
 Concen: 11.286 ug/l
 RT: 3.29 min Scan# 233
 Delta R.T. 0.00 min
 Lab File: VD063827.D
 Acq: 25 Sep 2019 17:25

Instrument :
 MSVOA_D
 ClientSampleId :

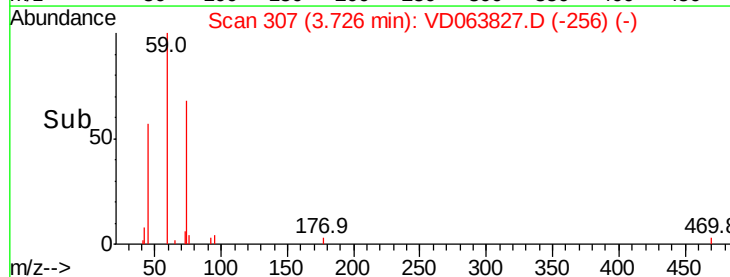
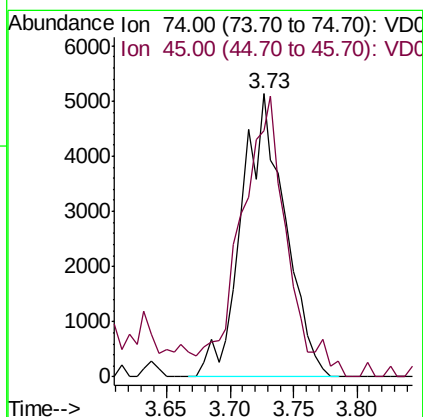
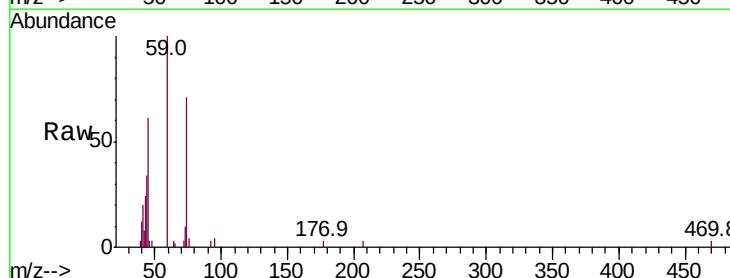
Tot Ion:101 Resp: 78039
 Ion Ratio Lower Upper
 101 100
 103 64.7 49.8 74.8

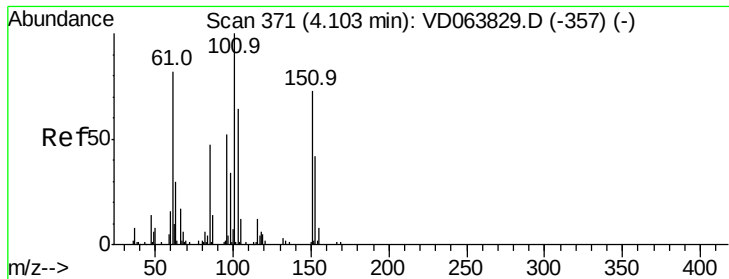


#8

Diethyl Ether
 Concen: 10.887 ug/l
 RT: 3.73 min Scan# 307
 Delta R.T. 0.00 min
 Lab File: VD063827.D
 Acq: 25 Sep 2019 17:25

Tgt Ion: 74 Resp: 12275
 Ion Ratio Lower Upper
 74 100
 45 104.0 48.9 146.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 11.484 ug/l

RT: 4.10 min Scan# 370

Delta R.T. -0.01 min

Lab File: VD063827.D

Acq: 25 Sep 2019 17:25

Instrument :

MSVOA_D

ClientSampleId :

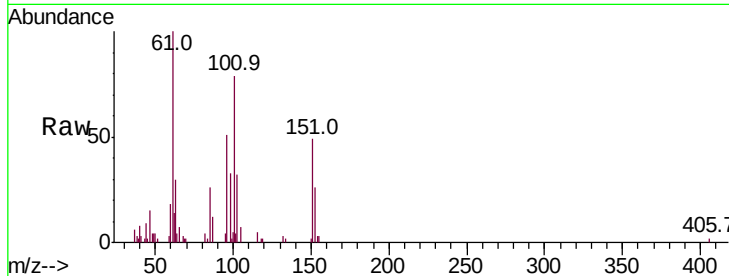
Tot Ion:101 Resp: 23556

Ion Ratio Lower Upper

101 100

85 44.8 37.8 56.6

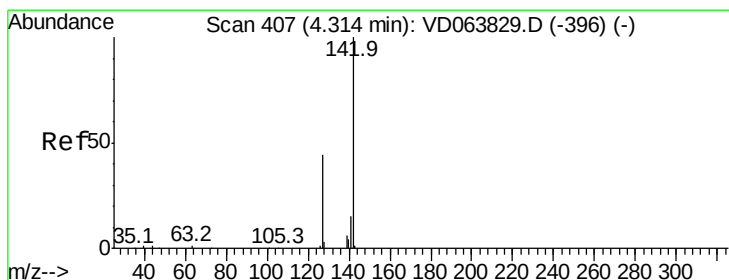
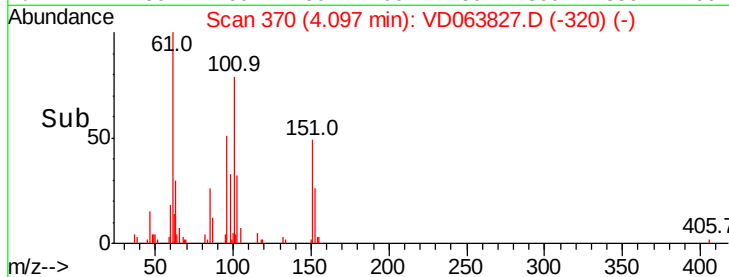
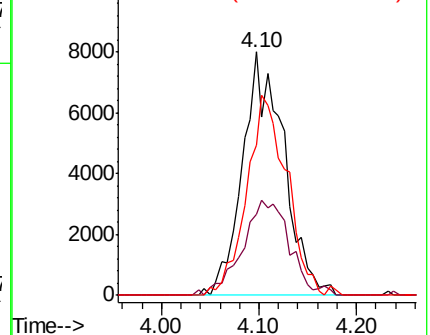
151 79.8 64.2 96.2



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: 8.912 ug/l

RT: 4.32 min Scan# 408

Delta R.T. 0.01 min

Lab File: VD063827.D

Acq: 25 Sep 2019 17:25

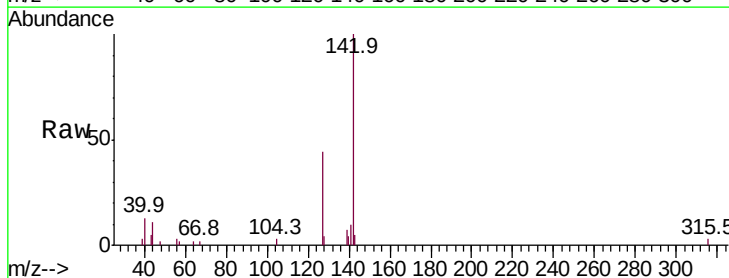
Tgt Ion:142 Resp: 21824

Ion Ratio Lower Upper

142 100

127 49.3 35.8 53.6

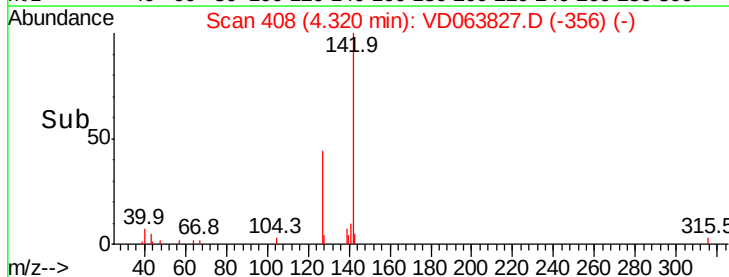
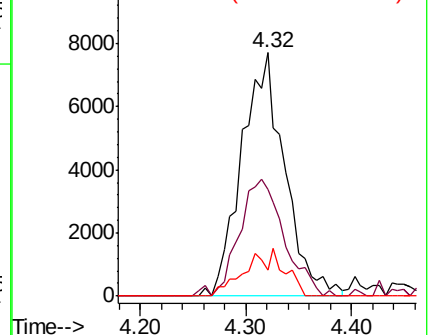
141 10.4 11.9 17.9#

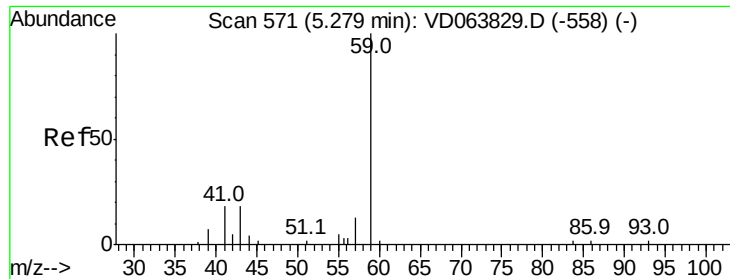


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



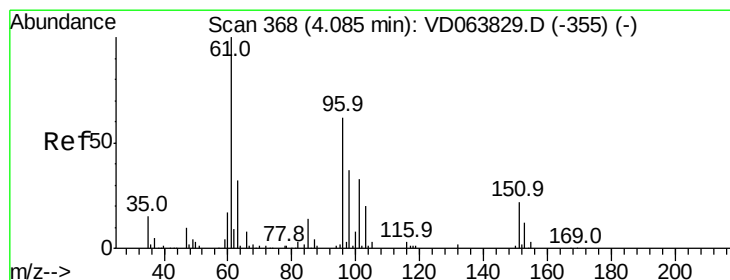
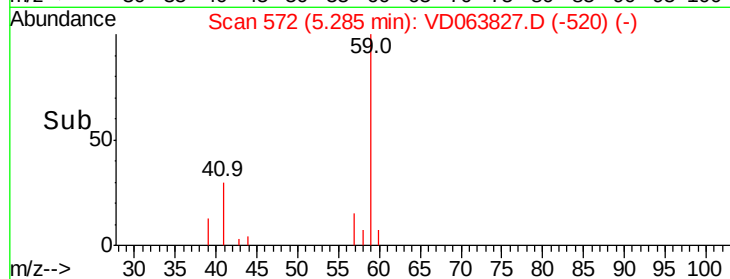
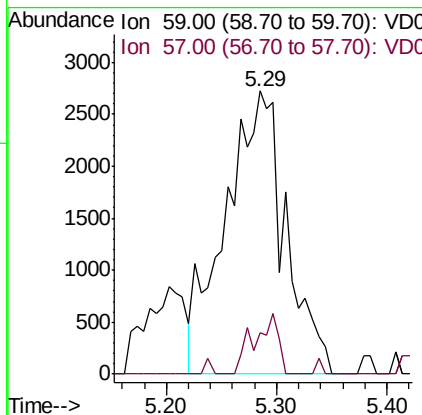
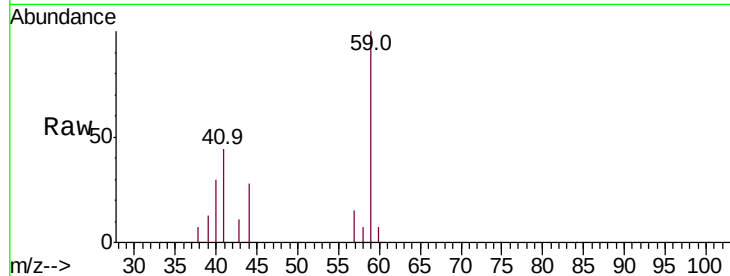


#11

Tert butyl alcohol
 Concen: 58.653 ug/l
 RT: 5.29 min Scan# 572
 Delta R.T. 0.01 min
 Lab File: VD063827.D
 Acq: 25 Sep 2019 17:25

Instrument :
 MSVOA_D
 ClientSampled :

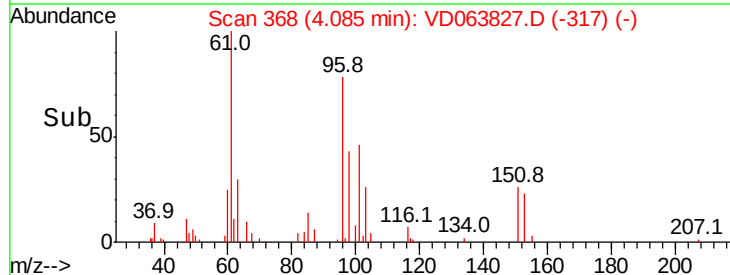
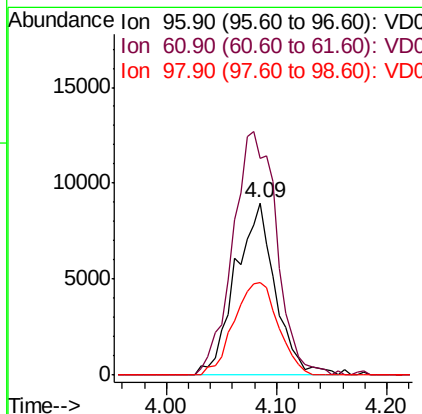
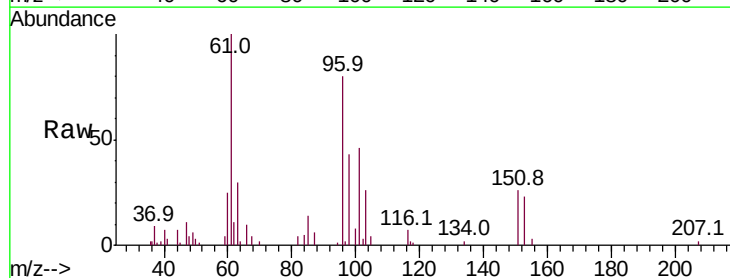
Tot Ion: 59 Resp: 10375
 Ion Ratio Lower Upper
 59 100
 57 5.8 8.3 12.5#

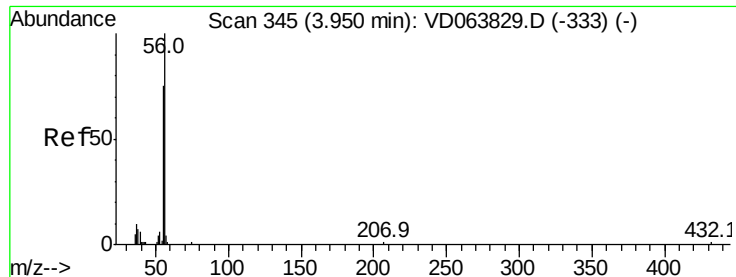


#12

1,1-Dichloroethene
 Concen: 10.980 ug/l
 RT: 4.09 min Scan# 368
 Delta R.T. 0.00 min
 Lab File: VD063827.D
 Acq: 25 Sep 2019 17:25

Tgt Ion: 96 Resp: 22733
 Ion Ratio Lower Upper
 96 100
 61 125.7 129.0 193.4#
 98 53.8 47.8 71.6





#13

Acrolein

Concen: 49.783 ug/l

RT: 3.95 min Scan# 345

Delta R.T. 0.00 min

Lab File: VD063827.D

Acq: 25 Sep 2019 17:25

Instrument :

MSVOA_D

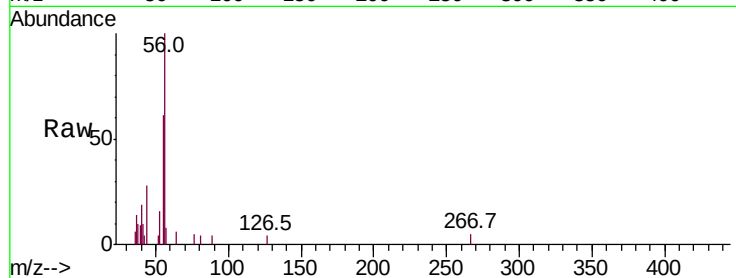
ClientSampleId :

Tot Ion: 56 Resp: 10721

Ion Ratio Lower Upper

56 100

55 74.6 55.0 82.6



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

3.95

4000

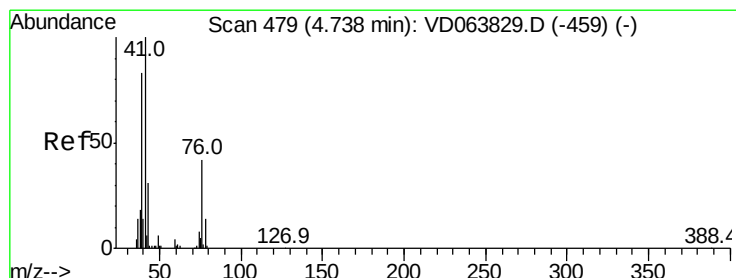
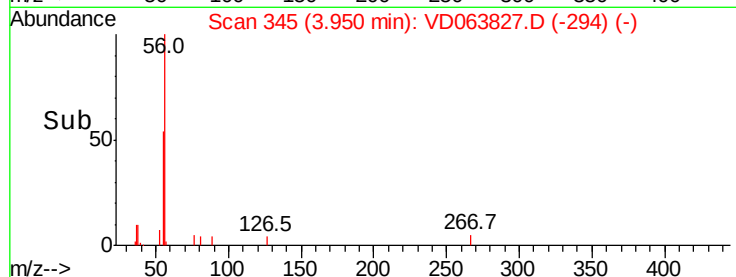
3000

2000

1000

0

Time--> 3.85 3.90 3.95 4.00



#14

Allyl chloride

Concen: 10.777 ug/l

RT: 4.73 min Scan# 478

Delta R.T. -0.01 min

Lab File: VD063827.D

Acq: 25 Sep 2019 17:25

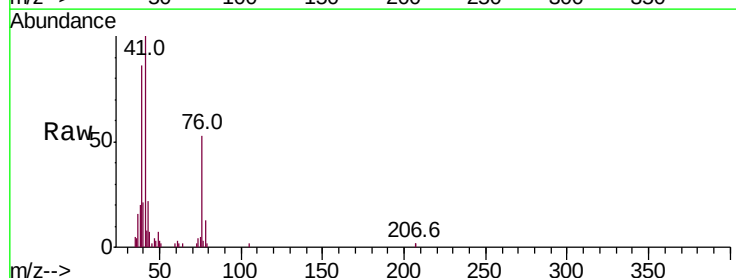
Tgt Ion: 41 Resp: 35272

Ion Ratio Lower Upper

41 100

39 80.0 63.7 95.5

76 38.3 33.5 50.3



Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC

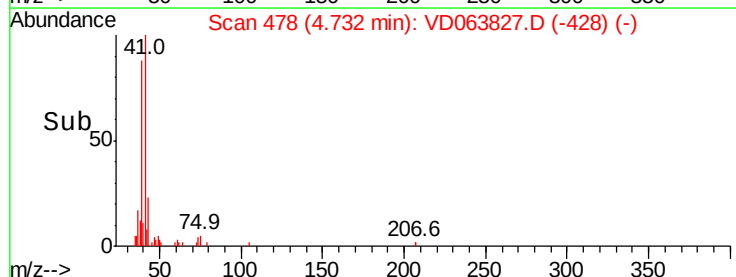
4.73

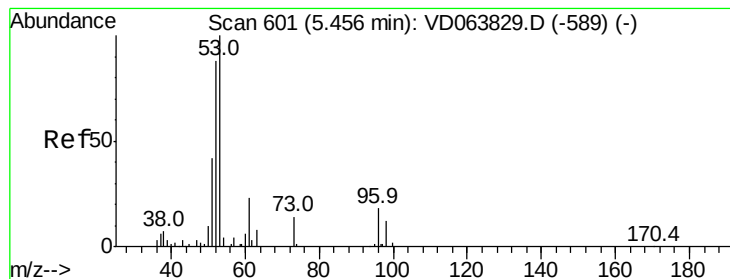
10000

5000

0

Time--> 4.60 4.70 4.80





#15

Acrylonitrile

Concen: 50.766 ug/l

RT: 5.46 min Scan# 601

Delta R.T. 0.00 min

Lab File: VD063827.D

Acq: 25 Sep 2019 17:25

Instrument :
MSVOA_D
ClientSampleId :

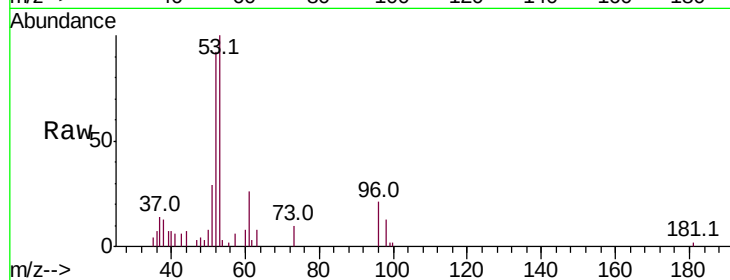
Tot Ion: 53 Resp: 25285

Ion Ratio Lower Upper

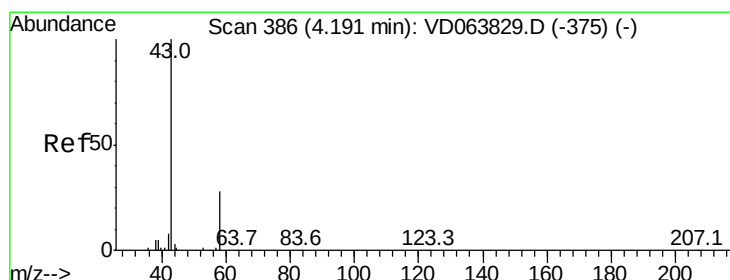
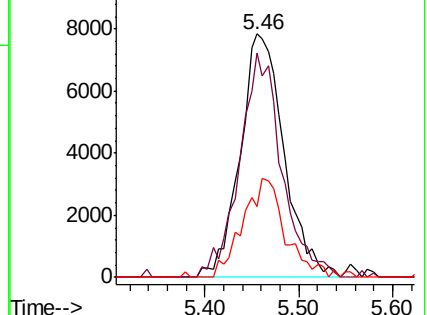
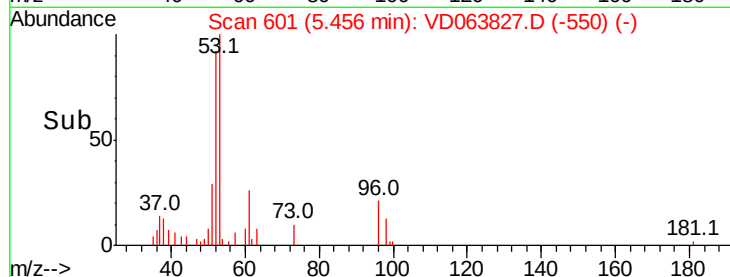
53 100

52 89.0 68.7 103.1

51 39.3 30.7 46.1



Abundance Ion 53.00 (52.70 to 53.70): VDC
Ion 52.00 (51.70 to 52.70): VDC
Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 53.302 ug/l

RT: 4.19 min Scan# 386

Delta R.T. 0.00 min

Lab File: VD063827.D

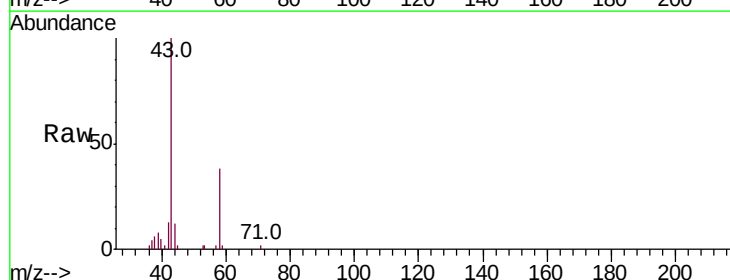
Acq: 25 Sep 2019 17:25

Tgt Ion: 43 Resp: 27317

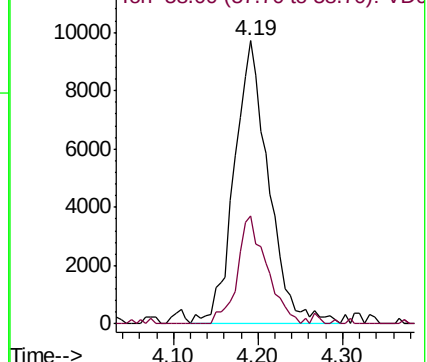
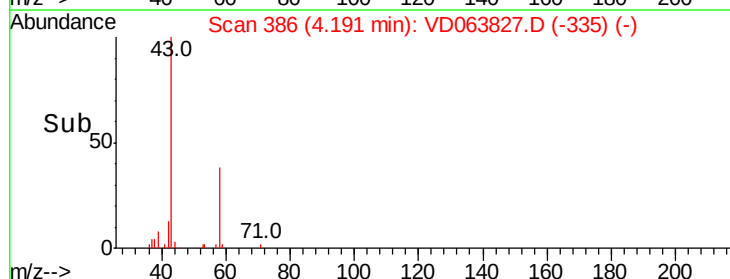
Ion Ratio Lower Upper

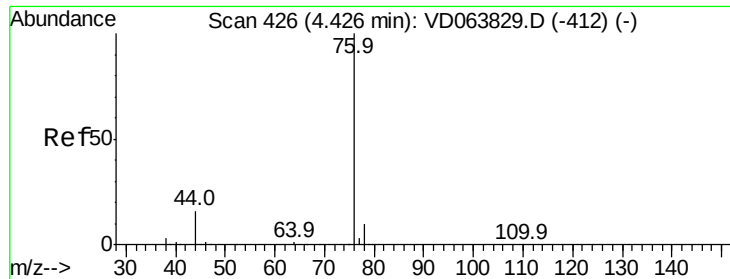
43 100

58 38.0 22.6 34.0#



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

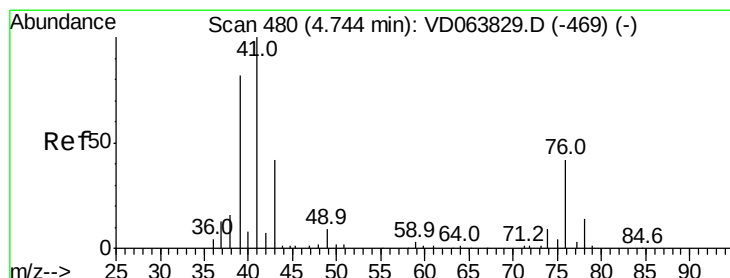
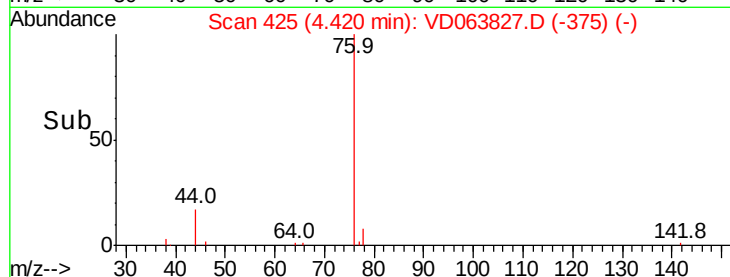
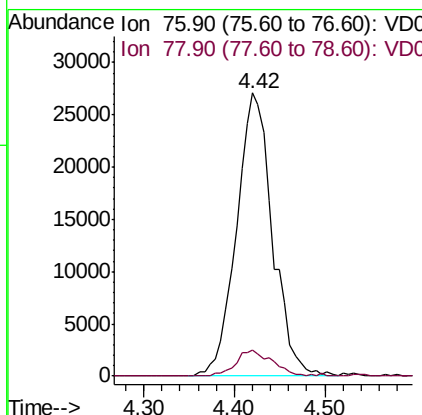
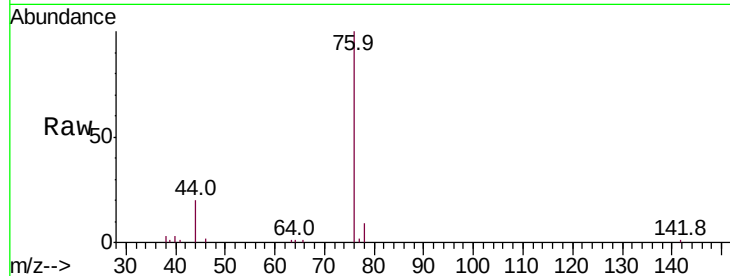




#17
Carbon Disulfide
Concen: 10.646 ug/l
RT: 4.42 min Scan# 425
Delta R.T. -0.01 min
Lab File: VD063827.D
Acq: 25 Sep 2019 17:25

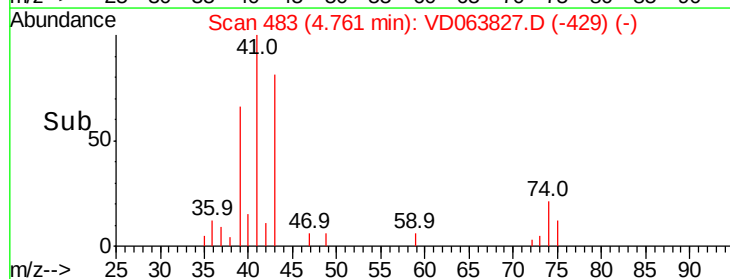
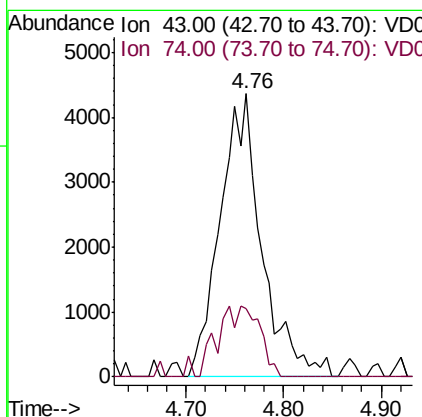
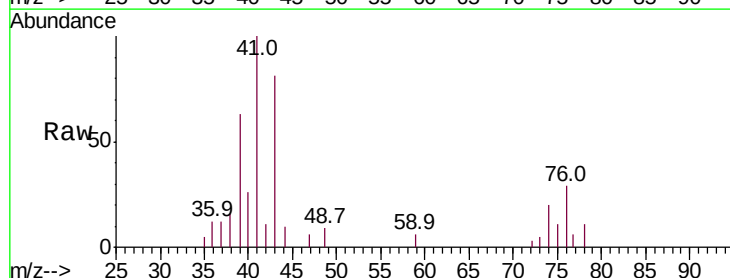
Instrument :
MSVOA_D
ClientSampled :

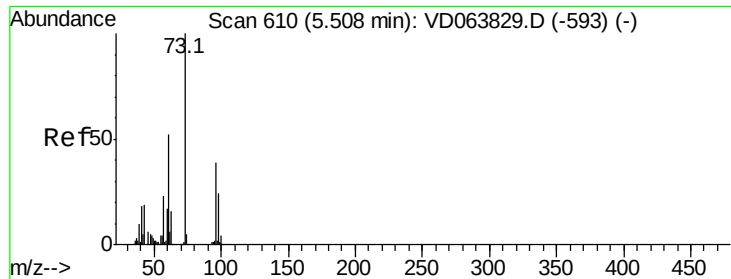
Tot Ion: 76 Resp: 74513
Ion Ratio Lower Upper
76 100
78 9.3 7.9 11.9



#18
Methyl Acetate
Concen: 10.255 ug/l
RT: 4.76 min Scan# 483
Delta R.T. 0.02 min
Lab File: VD063827.D
Acq: 25 Sep 2019 17:25

Tgt Ion: 43 Resp: 12940
Ion Ratio Lower Upper
43 100
74 11.7 18.6 28.0#

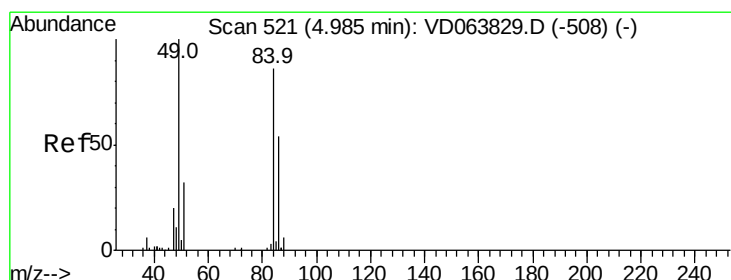
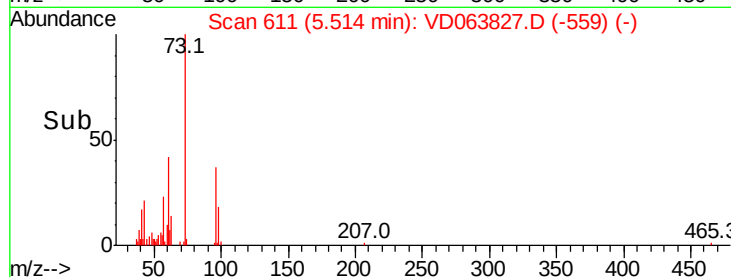
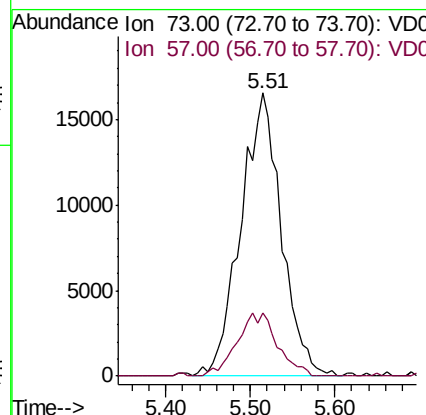
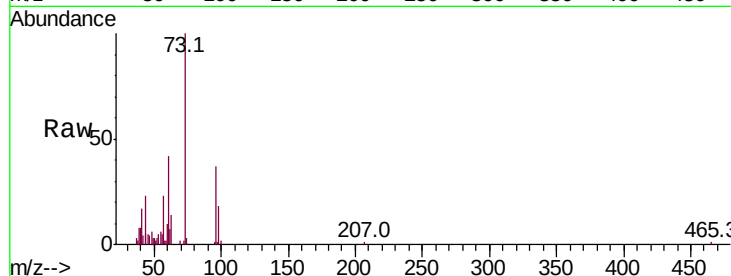




#19
Methyl tert-butyl Ether
Concen: 10.638 ug/l
RT: 5.51 min Scan# 611
Delta R.T. 0.01 min
Lab File: VD063827.D
Acq: 25 Sep 2019 17:25

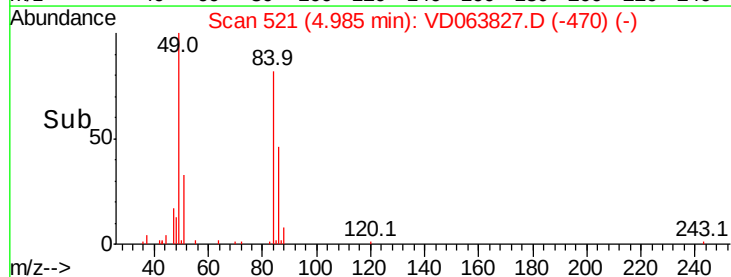
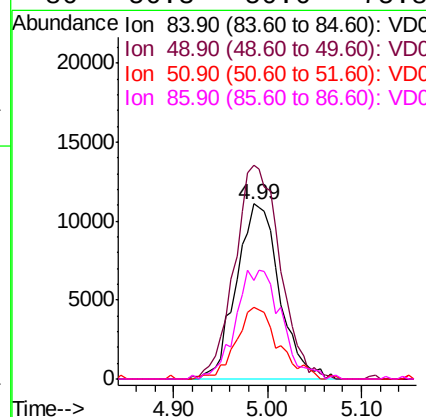
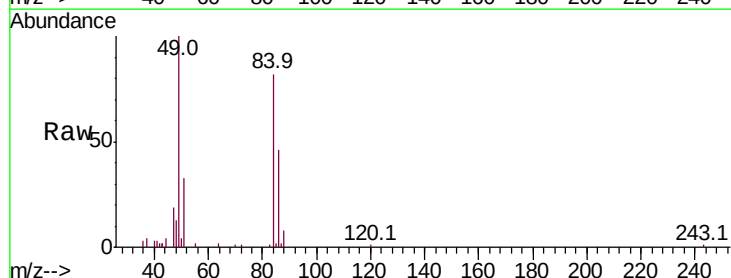
Instrument :
MSVOA_D
ClientSampleId :

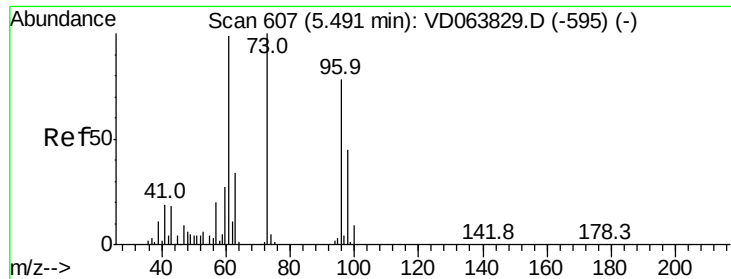
Tot Ion: 73 Resp: 55146
Ion Ratio Lower Upper
73 100
57 22.6 18.7 28.1



#20
Methylene Chloride
Concen: 11.426 ug/l
RT: 4.99 min Scan# 521
Delta R.T. 0.00 min
Lab File: VD063827.D
Acq: 25 Sep 2019 17:25

Tgt Ion: 84 Resp: 35232
Ion Ratio Lower Upper
84 100
49 121.8 93.6 140.4
51 40.7 29.8 44.6
86 56.3 50.6 75.8





#21

trans-1,2-Dichloroethene

Concen: 10.674 ug/l

RT: 5.49 min Scan# 607

Delta R.T. 0.00 min

Lab File: VD063827.D

Acq: 25 Sep 2019 17:25

Instrument :

MSVOA_D

ClientSampled :

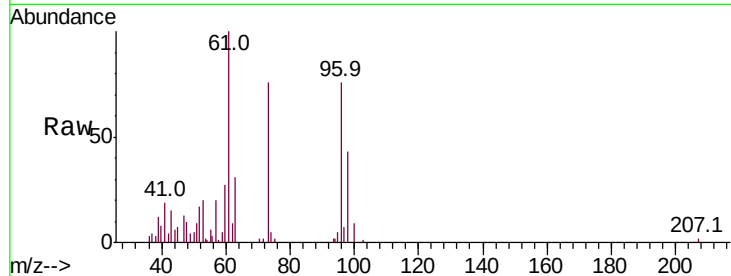
Tot Ion: 96 Resp: 25725

Ion Ratio Lower Upper

96 100

61 131.4 101.3 151.9

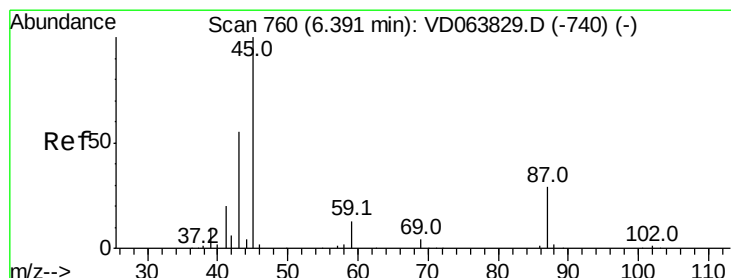
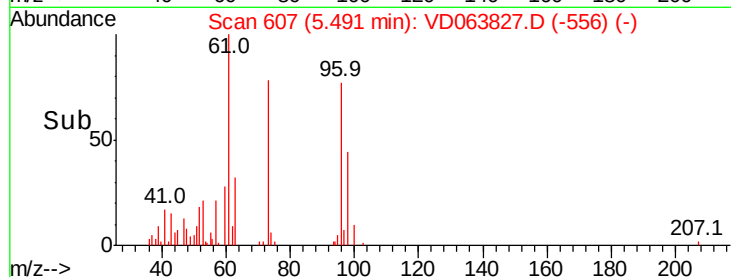
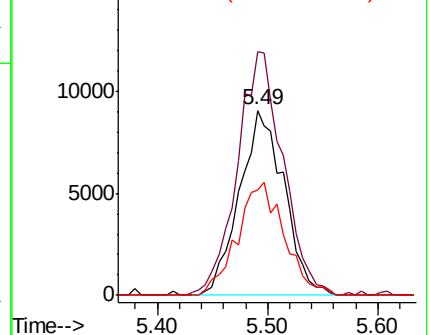
98 56.8 45.4 68.2



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: 10.645 ug/l

RT: 6.40 min Scan# 761

Delta R.T. 0.01 min

Lab File: VD063827.D

Acq: 25 Sep 2019 17:25

Tgt Ion: 45 Resp: 71952

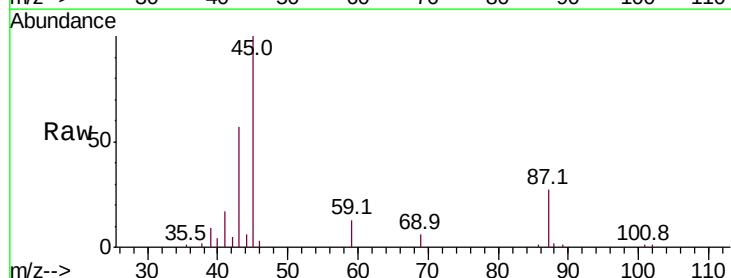
Ion Ratio Lower Upper

45 100

43 53.1 44.2 66.2

87 26.9 23.9 35.9

59 12.7 10.0 15.0

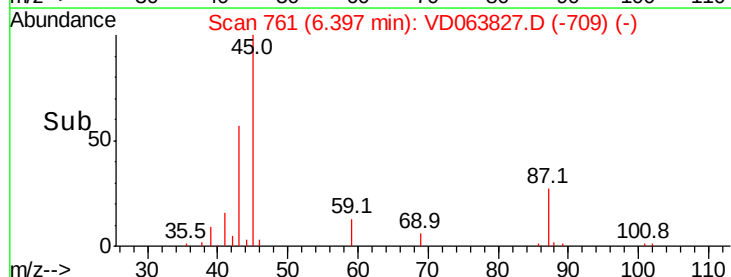
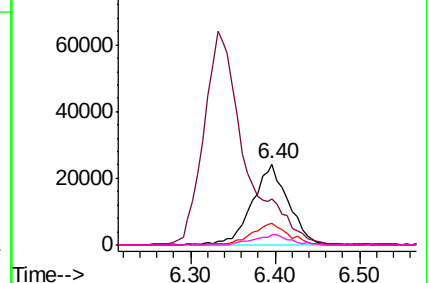


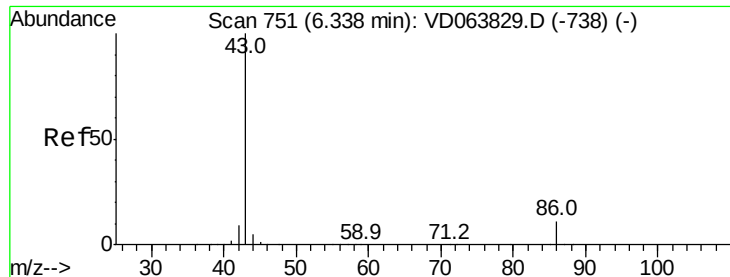
Abundance Ion 45.00 (44.70 to 45.70): VDC

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: 54.546 ug/l

RT: 6.33 min Scan# 750

Delta R.T. -0.01 min

Lab File: VD063827.D

Acq: 25 Sep 2019 17:25

Instrument :

MSVOA_D

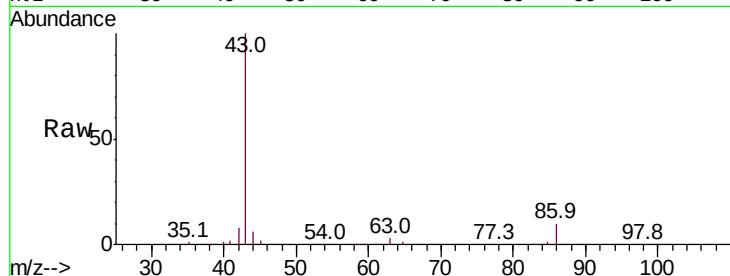
ClientSampleId :

Tot Ion: 43 Resp: 218077

Ion Ratio Lower Upper

43 100

86 9.6 8.8 13.2



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC

6.33

60000

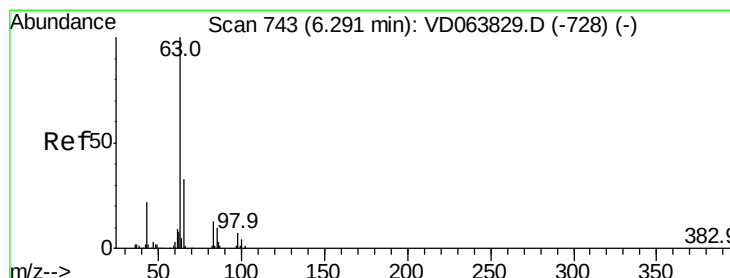
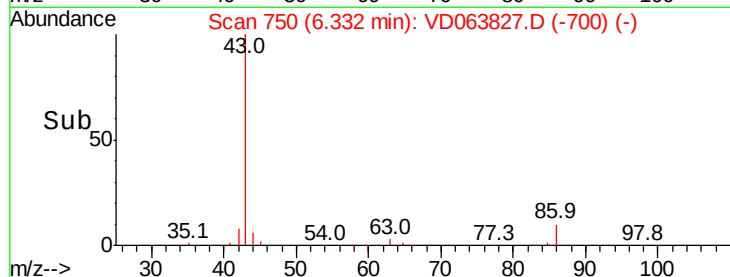
40000

20000

0

Time-->

6.20 6.30 6.40 6.50



#24

1,1-Dichloroethane

Concen: 10.456 ug/l

RT: 6.28 min Scan# 742

Delta R.T. -0.01 min

Lab File: VD063827.D

Acq: 25 Sep 2019 17:25

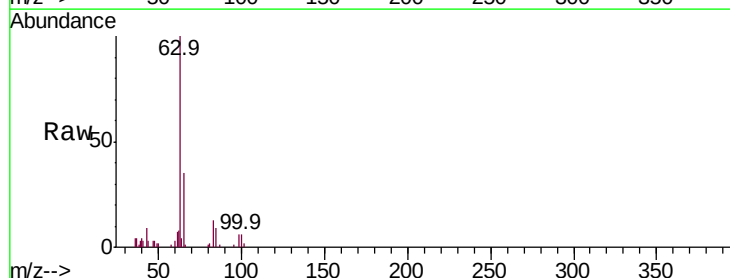
Tgt Ion: 63 Resp: 42938

Ion Ratio Lower Upper

63 100

98 6.3 3.5 10.5

100 5.8 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

20000

15000

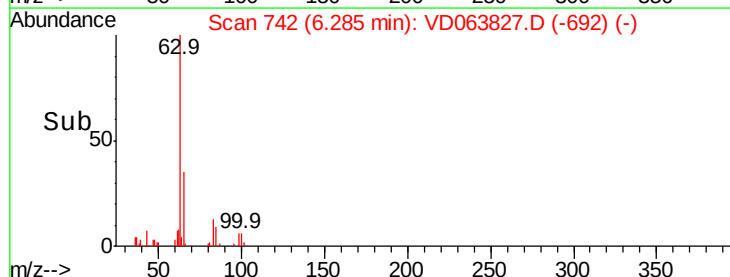
10000

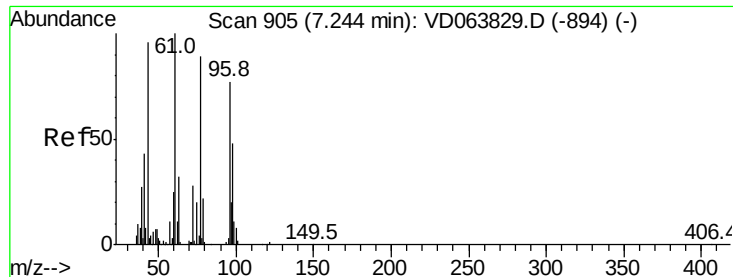
5000

0

Time-->

6.20 6.30 6.40

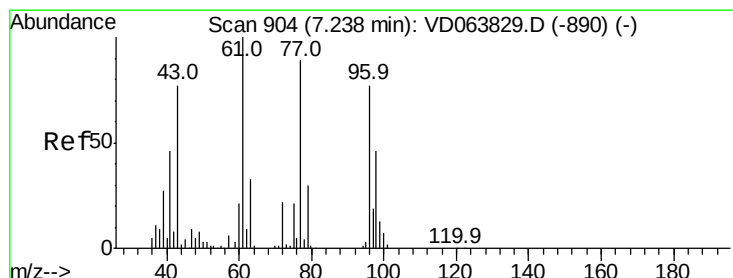
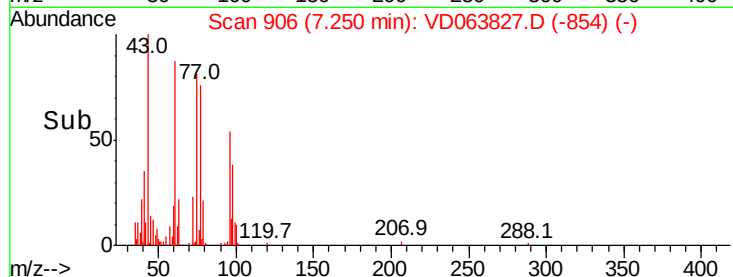
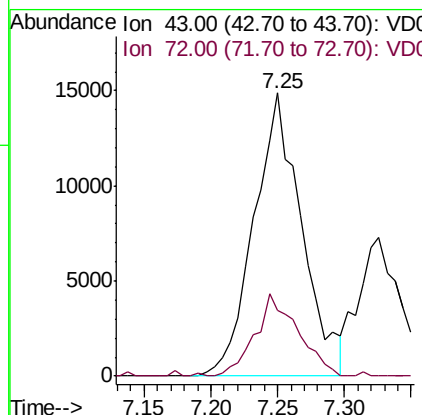
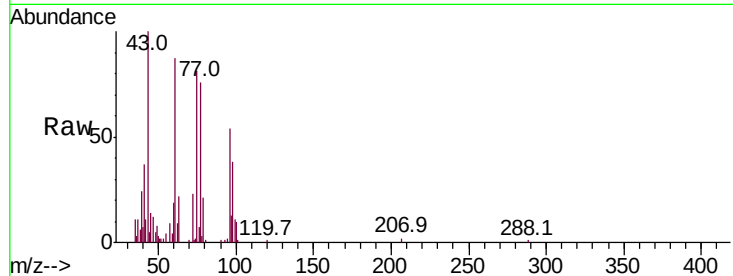




#25
2-Butanone
Concen: 55.183 ug/l
RT: 7.25 min Scan# 906
Delta R.T. 0.01 min
Lab File: VD063827.D
Acq: 25 Sep 2019 17:25

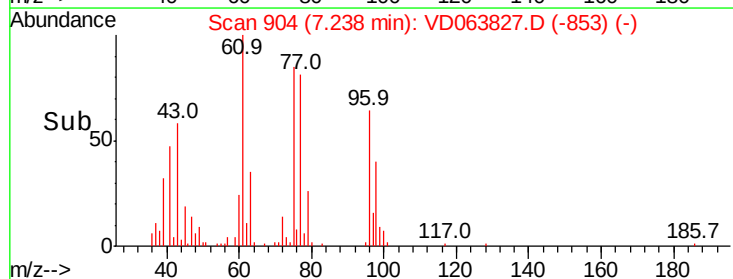
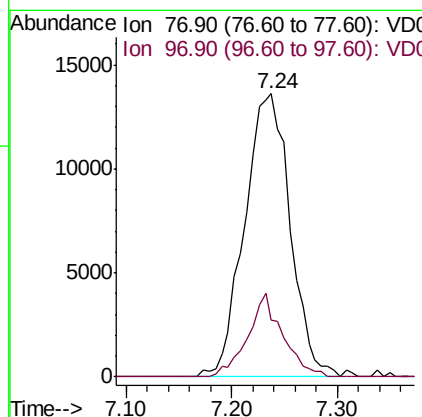
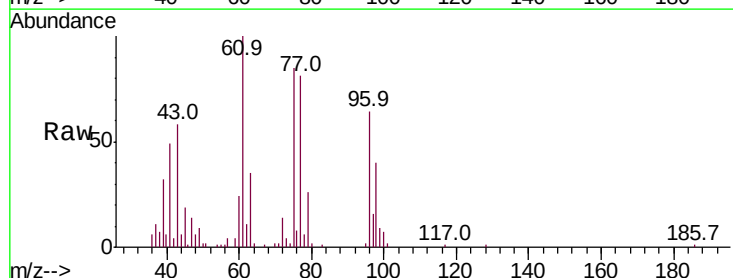
Instrument :
MSVOA_D
ClientSampled :

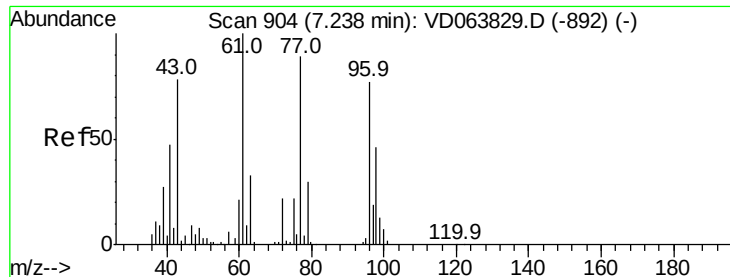
Tot Ion: 43 Resp: 36972
Ion Ratio Lower Upper
43 100
72 23.4 23.5 35.3#



#26
2,2-Dichloropropane
Concen: 10.617 ug/l
RT: 7.24 min Scan# 904
Delta R.T. 0.00 min
Lab File: VD063827.D
Acq: 25 Sep 2019 17:25

Tgt Ion: 77 Resp: 40775
Ion Ratio Lower Upper
77 100
97 22.7 10.9 32.7



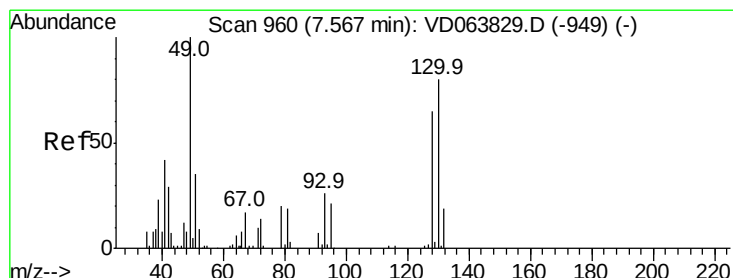
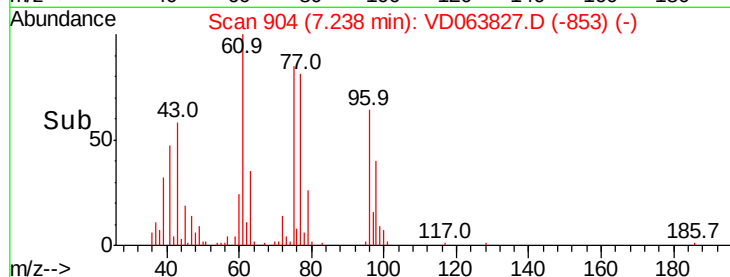
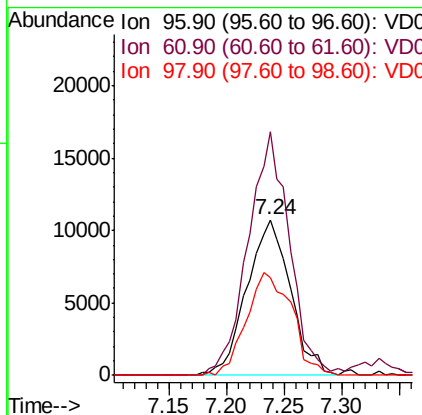
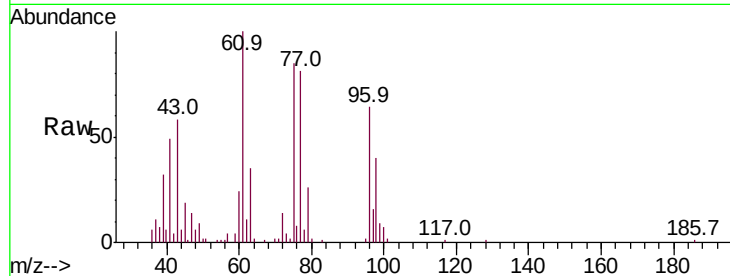


#27

cis-1,2-Dichloroethene
Concen: 10.426 ug/l
RT: 7.24 min Scan# 904
Delta R.T. 0.00 min
Lab File: VD063827.D
Acq: 25 Sep 2019 17:25

Instrument :
MSVOA_D
ClientSampled :

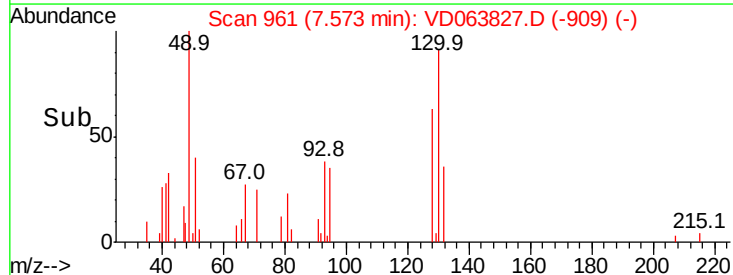
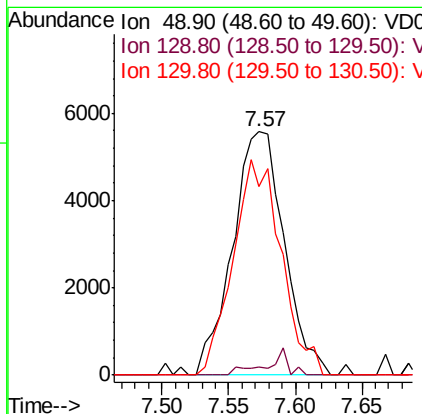
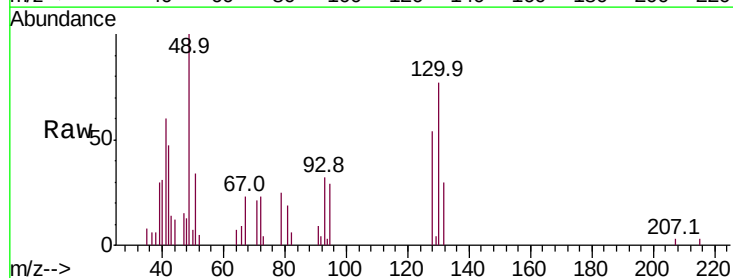
Tot Ion: 96 Resp: 28195
Ion Ratio Lower Upper
96 100
61 148.6 0.0 275.6
98 68.7 0.0 130.2

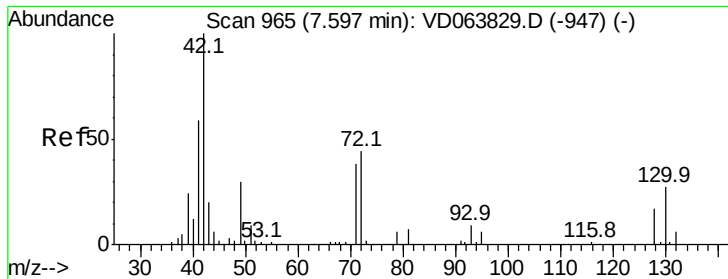


#28

Bromochloromethane
Concen: 9.280 ug/l
RT: 7.57 min Scan# 961
Delta R.T. 0.01 min
Lab File: VD063827.D
Acq: 25 Sep 2019 17:25

Tgt Ion: 49 Resp: 14954
Ion Ratio Lower Upper
49 100
129 0.0 0.0 2.6
130 82.5 67.0 100.4





#29

Tetrahydrofuran

Concen: 53.600 ug/l

RT: 7.60 min Scan# 965

Delta R.T. 0.00 min

Lab File: VD063827.D

Acq: 25 Sep 2019 17:25

Instrument :
MSVOA_D
ClientSampleId :

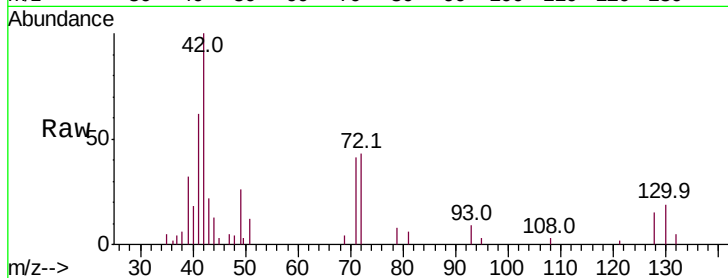
Tot Ion: 42 Resp: 21518

Ion Ratio Lower Upper

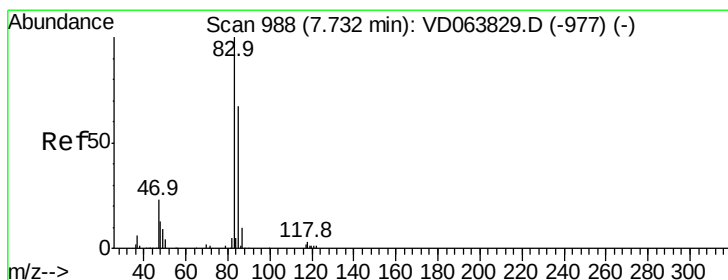
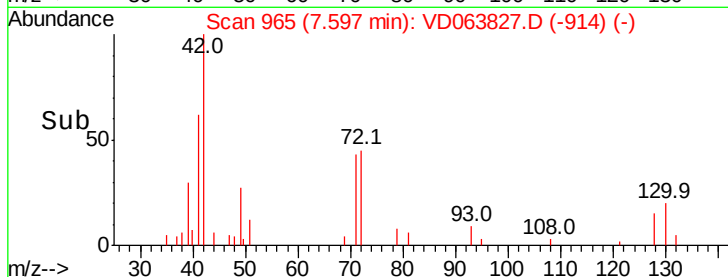
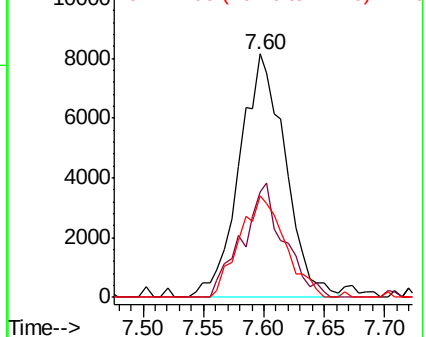
42 100

72 42.5 37.3 55.9

71 41.2 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: 10.646 ug/l

RT: 7.73 min Scan# 988

Delta R.T. 0.00 min

Lab File: VD063827.D

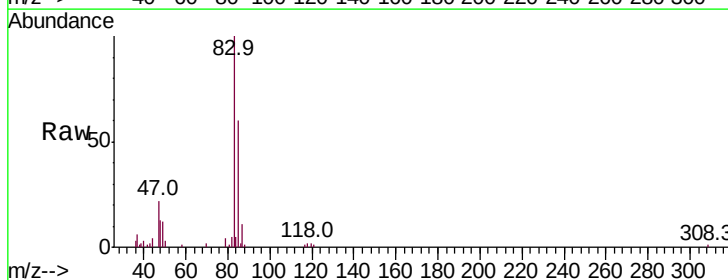
Acq: 25 Sep 2019 17:25

Tgt Ion: 83 Resp: 47487

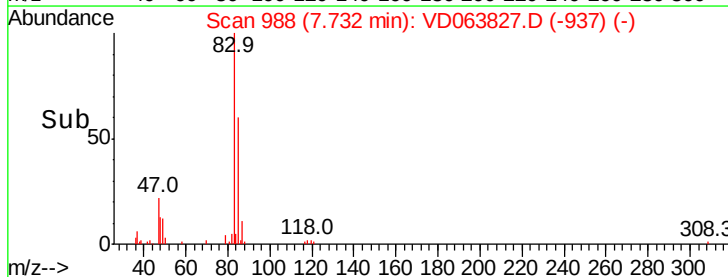
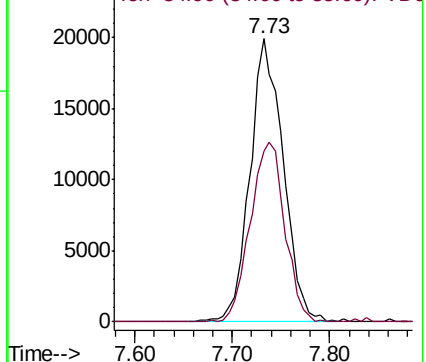
Ion Ratio Lower Upper

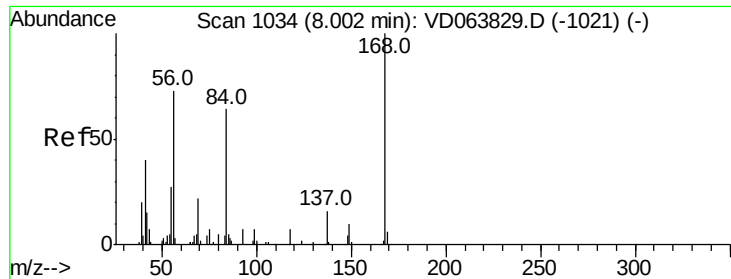
83 100

85 60.1 53.4 80.2



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

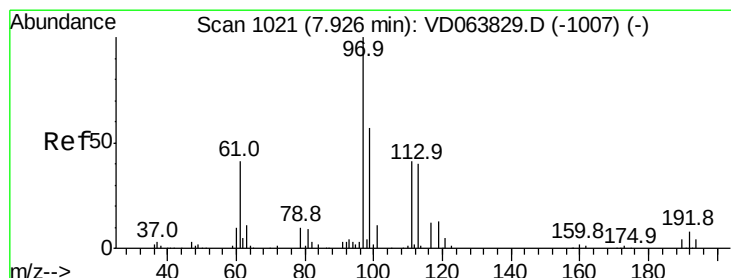
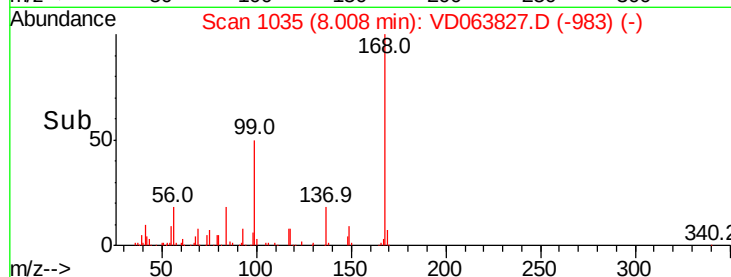
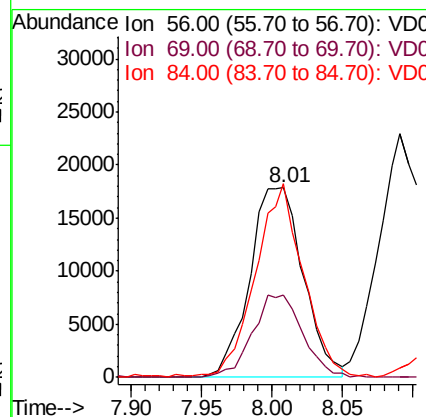
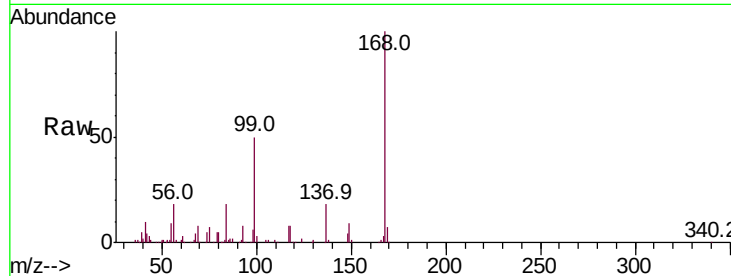




#31
Cyclohexane
Concen: 11.591 ug/l
RT: 8.01 min Scan# 1035
Delta R.T. 0.01 min
Lab File: VD063827.D
Acq: 25 Sep 2019 17:25

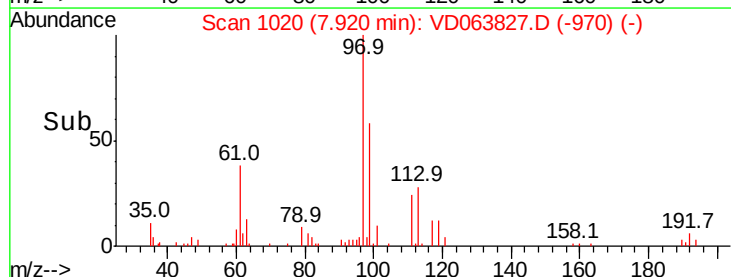
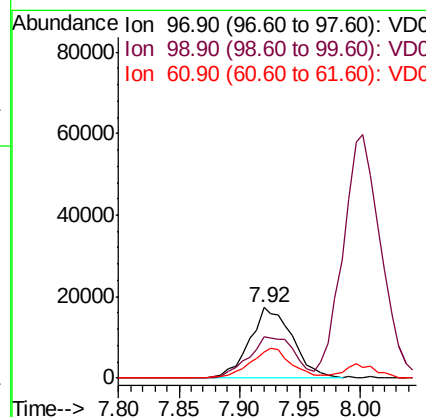
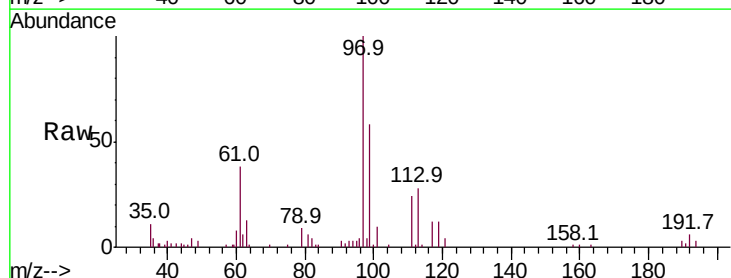
Instrument :
MSVOA_D
ClientSampleId :

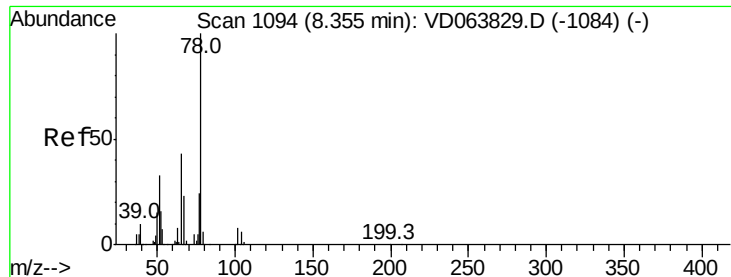
Tot Ion: 56 Resp: 47516
Ion Ratio Lower Upper
56 100
69 43.5 23.1 34.7#
84 100.1 69.7 104.5



#32
1,1,1-Trichloroethane
Concen: 10.515 ug/l
RT: 7.92 min Scan# 1020
Delta R.T. -0.01 min
Lab File: VD063827.D
Acq: 25 Sep 2019 17:25

Tgt Ion: 97 Resp: 42409
Ion Ratio Lower Upper
97 100
99 63.4 52.9 79.3
61 40.8 35.8 53.8

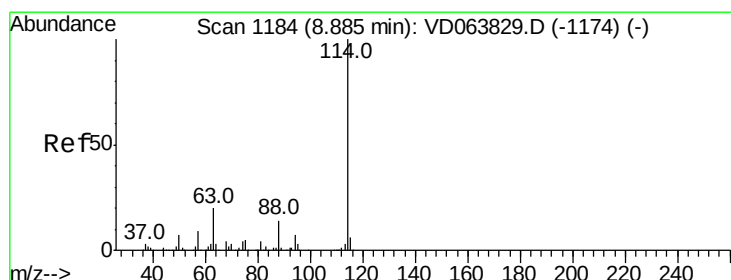
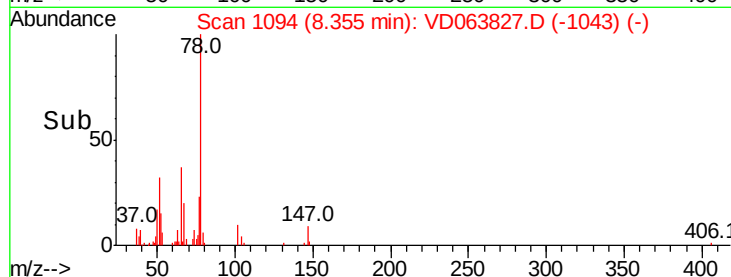
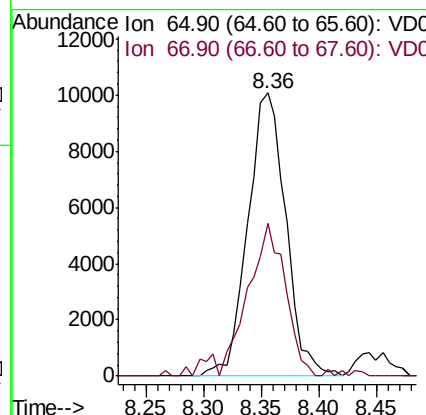
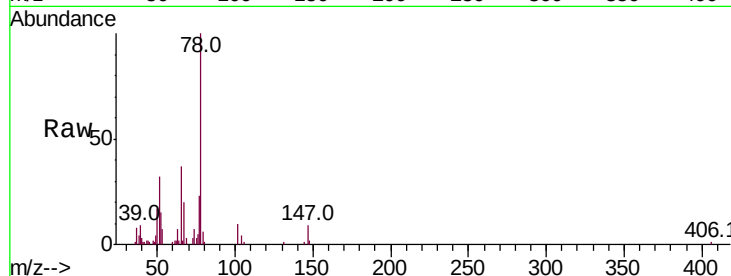




#33
 1,2-Dichloroethane-d4
 Concen: 10.093 ug/l
 RT: 8.36 min Scan# 1094
 Delta R.T. 0.00 min
 Lab File: VD063827.D
 Acq: 25 Sep 2019 17:25

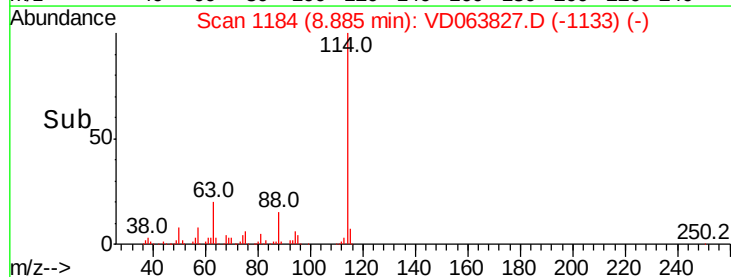
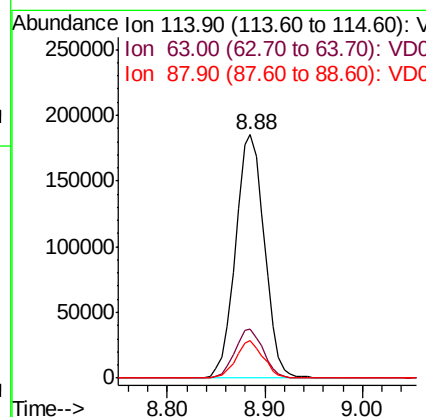
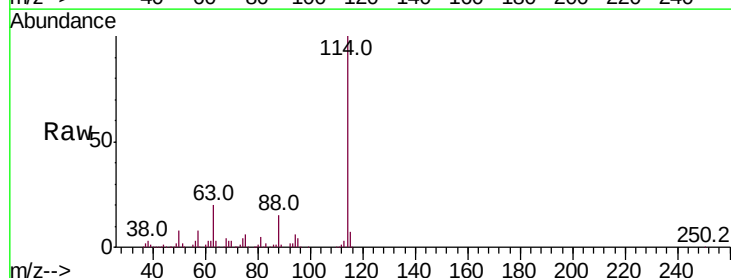
Instrument :
 MSVOA_D
 ClientSampleId :

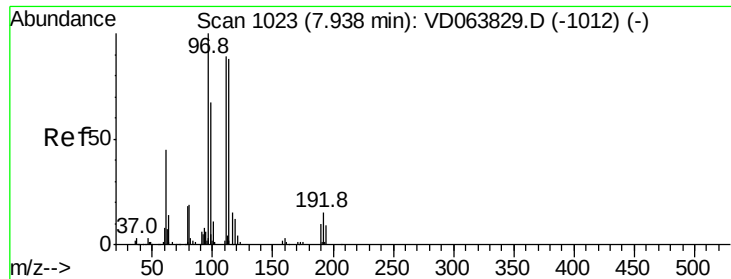
Tot Ion: 65 Resp: 23043
 Ion Ratio Lower Upper
 65 100
 67 52.8 0.0 107.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.88 min Scan# 1184
 Delta R.T. 0.00 min
 Lab File: VD063827.D
 Acq: 25 Sep 2019 17:25

Tgt Ion: 114 Resp: 380847
 Ion Ratio Lower Upper
 114 100
 63 20.0 0.0 39.2
 88 15.5 0.0 28.4

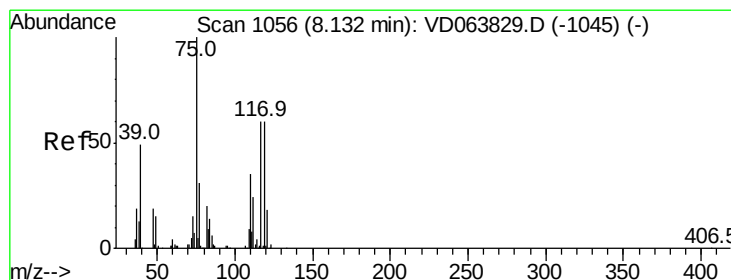
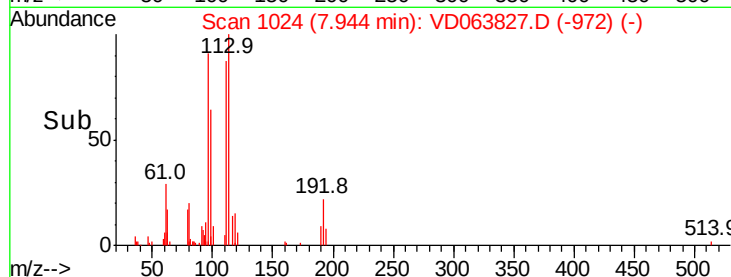
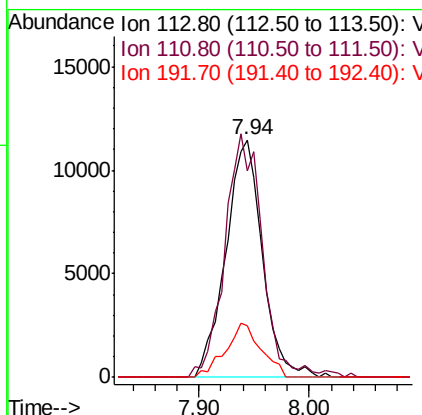
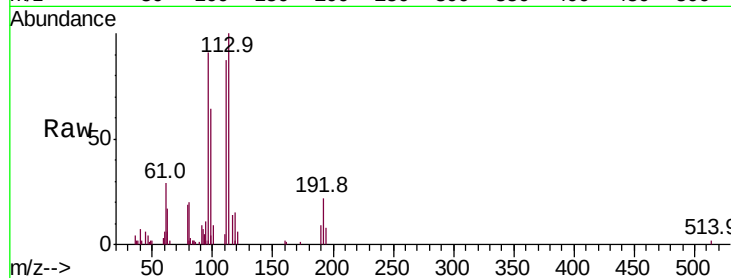




#35
Dibromofluoromethane
Concen: 10.994 ug/l
RT: 7.94 min Scan# 1024
Delta R.T. 0.01 min
Lab File: VD063827.D
Acq: 25 Sep 2019 17:25

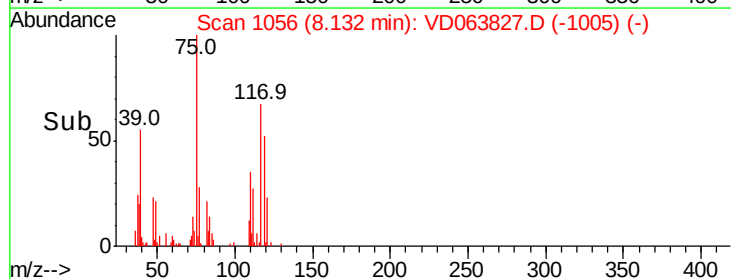
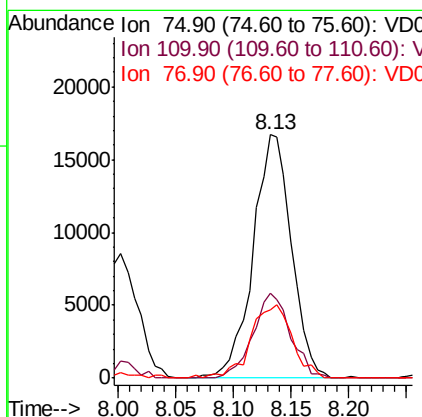
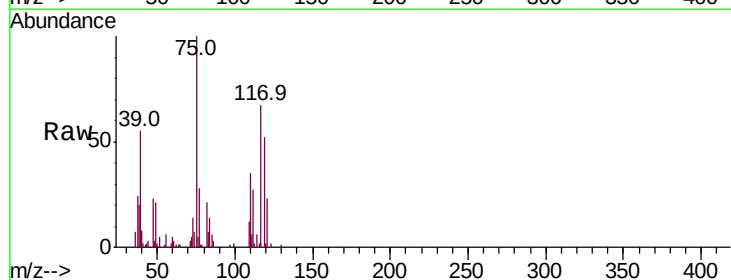
Instrument :
MSVOA_D
ClientSampleId :

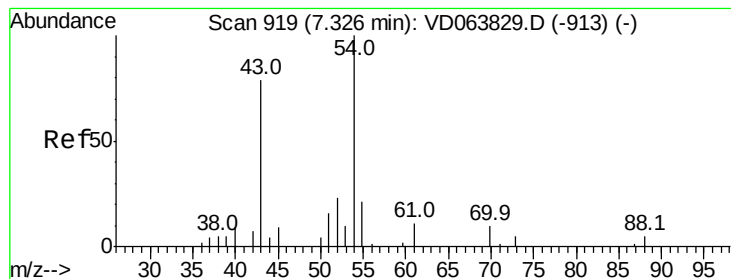
Tot Ion:113 Resp: 26579
Ion Ratio Lower Upper
113 100
111 104.2 77.7 116.5
192 22.2 15.9 23.9



#36
1,1-Dichloropropene
Concen: 11.124 ug/l
RT: 8.13 min Scan# 1056
Delta R.T. 0.00 min
Lab File: VD063827.D
Acq: 25 Sep 2019 17:25

Tgt Ion: 75 Resp: 38644
Ion Ratio Lower Upper
75 100
110 34.2 17.5 52.5
77 32.6 24.9 37.3





#37

Ethyl Acetate

Concen: 11.354 ug/l

RT: 7.33 min Scan# 919

Delta R.T. 0.00 min

Lab File: VD063827.D

Acq: 25 Sep 2019 17:25

Instrument :

MSVOA_D

ClientSampled :

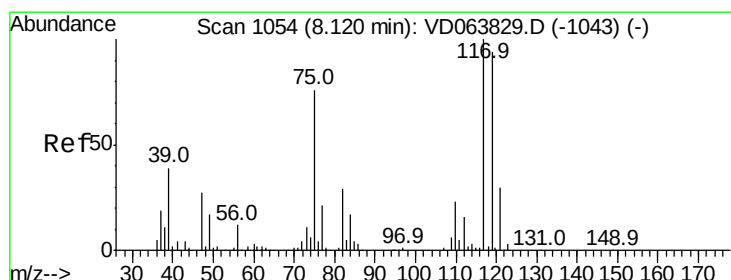
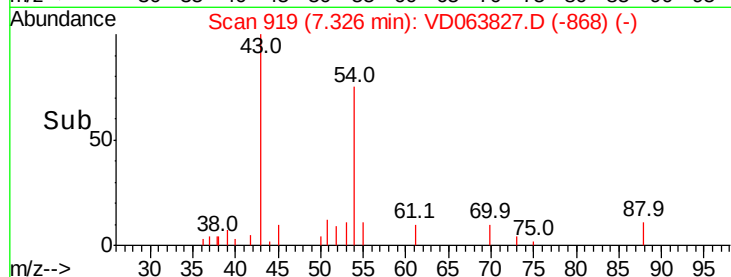
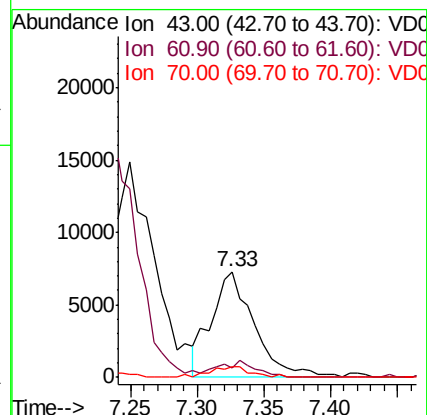
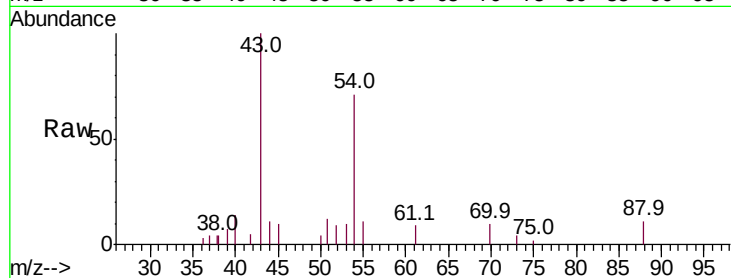
Tot Ion: 43 Resp: 16473

Ion Ratio Lower Upper

43 100

61 13.7 12.7 19.1

70 9.5 8.3 12.5



#38

Carbon Tetrachloride

Concen: 10.451 ug/l

RT: 8.11 min Scan# 1052

Delta R.T. -0.01 min

Lab File: VD063827.D

Acq: 25 Sep 2019 17:25

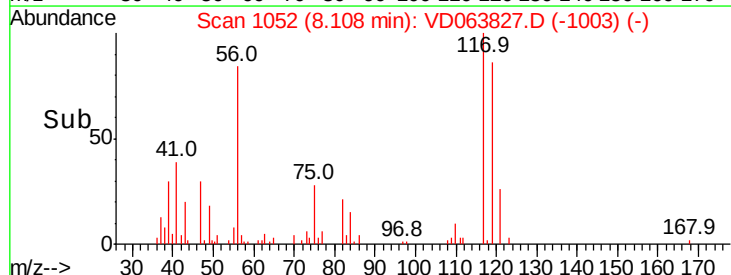
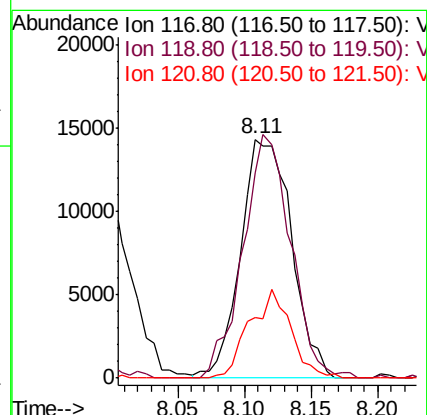
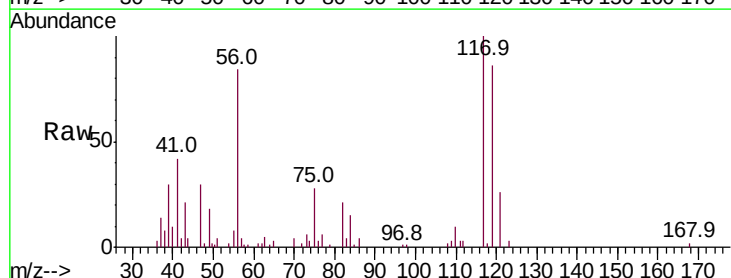
Tgt Ion: 117 Resp: 37788

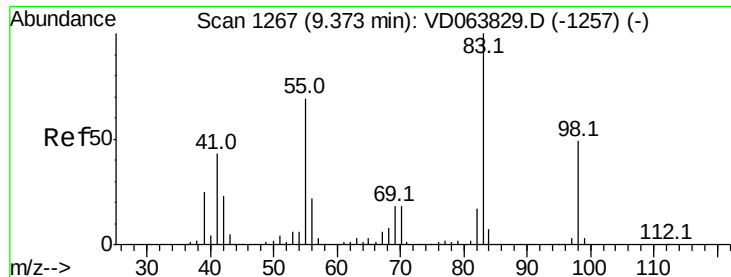
Ion Ratio Lower Upper

117 100

119 86.1 75.2 112.8

121 25.6 23.9 35.9

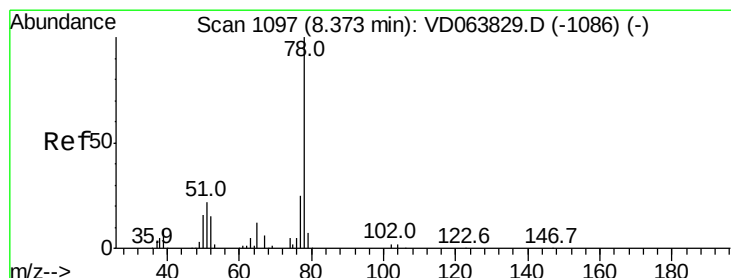
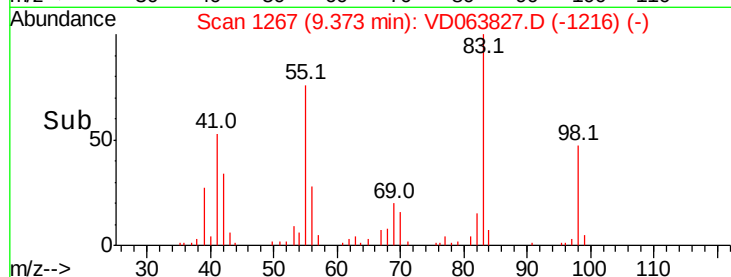
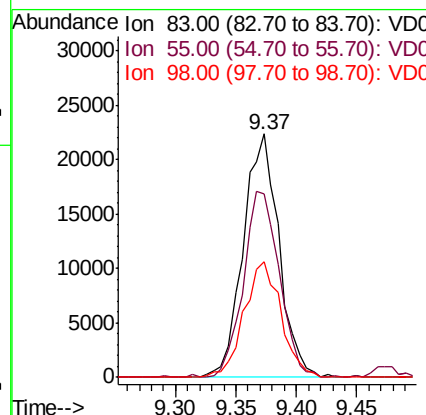
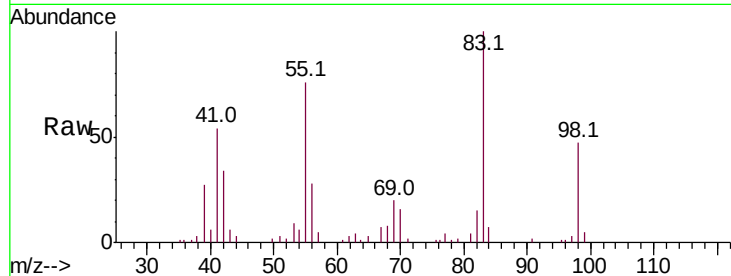




#39
Methylvlcyclohexane
Concen: 10.640 ug/l
RT: 9.37 min Scan# 1267
Delta R.T. 0.00 min
Lab File: VD063827.D
Acq: 25 Sep 2019 17:25

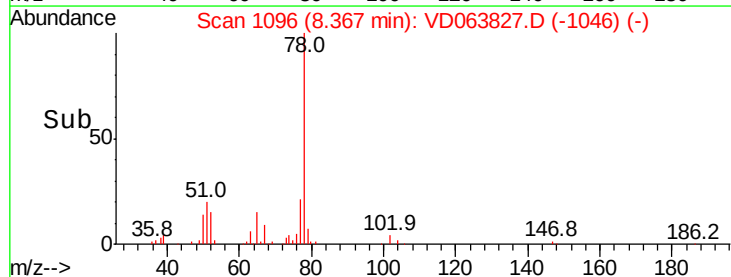
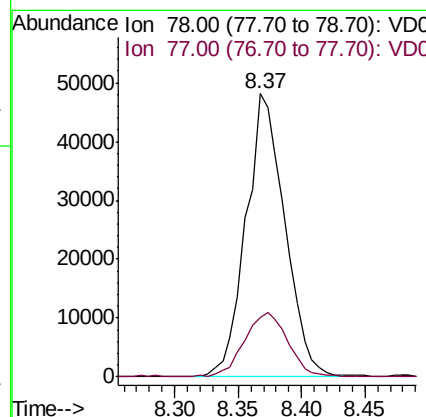
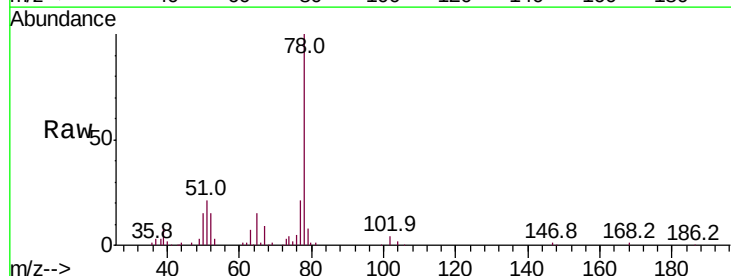
Instrument :
MSVOA_D
ClientSampled :

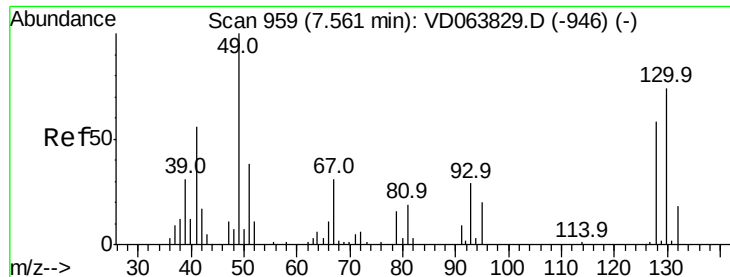
Tot Ion: 83 Resp: 46023
Ion Ratio Lower Upper
83 100
55 75.6 54.9 82.3
98 47.4 39.0 58.6



#40
Benzene
Concen: 10.732 ug/l
RT: 8.37 min Scan# 1096
Delta R.T. -0.01 min
Lab File: VD063827.D
Acq: 25 Sep 2019 17:25

Tgt Ion: 78 Resp: 102671
Ion Ratio Lower Upper
78 100
77 20.9 19.8 29.6

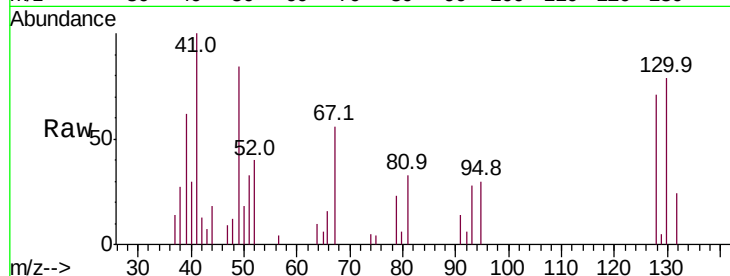




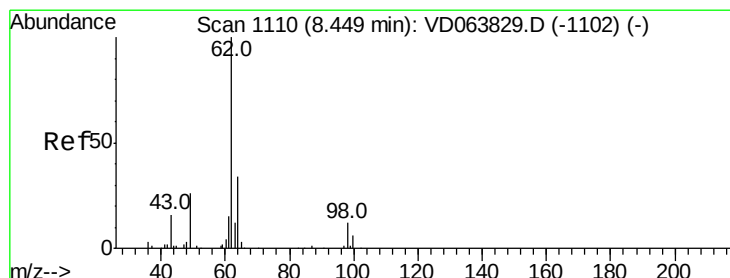
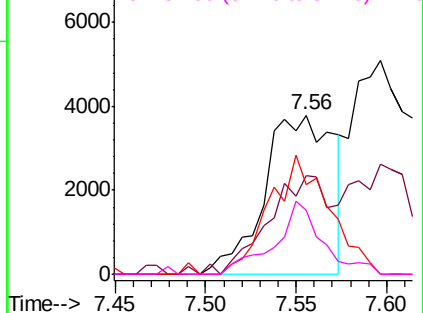
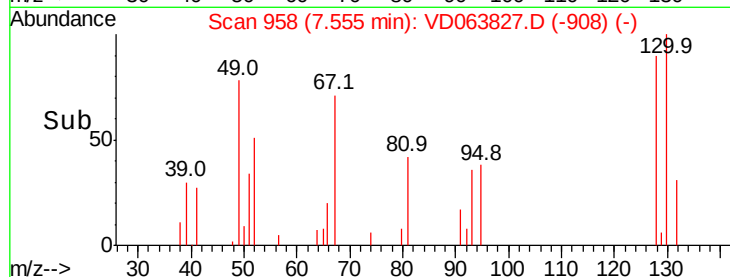
#41
Methacrylonitrile
Concen: 11.836 ug/l
RT: 7.56 min Scan# 958
Delta R.T. -0.01 min
Lab File: VD063827.D
Acq: 25 Sep 2019 17:25

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 41 Resp: 10142
Ion Ratio Lower Upper
41 100
39 51.0 52.2 78.4#
67 64.2 58.6 87.8
52 31.5 26.6 39.8

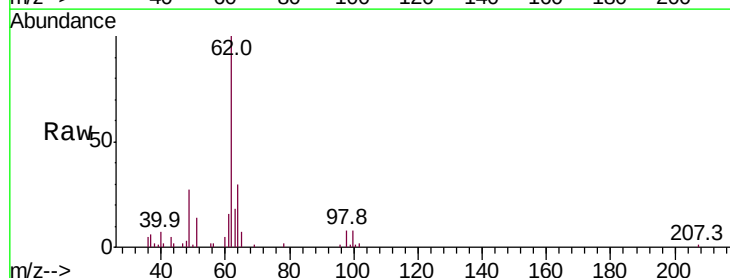


Abundance Ion 41.00 (40.70 to 41.70): VDC
Ion 39.00 (38.70 to 39.70): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

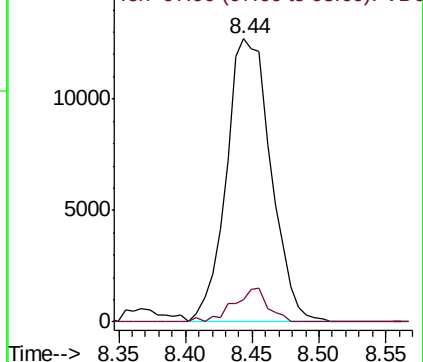
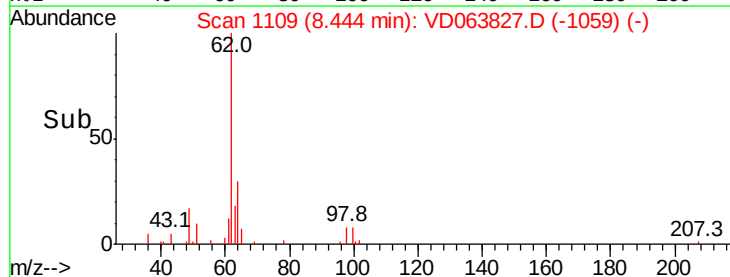


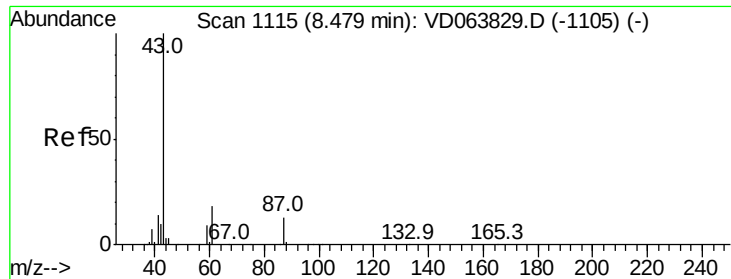
#42
1,2-Dichloroethane
Concen: 10.545 ug/l
RT: 8.44 min Scan# 1109
Delta R.T. -0.01 min
Lab File: VD063827.D
Acq: 25 Sep 2019 17:25

Tgt Ion: 62 Resp: 29501
Ion Ratio Lower Upper
62 100
98 9.0 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: 10.856 ug/l

RT: 8.48 min Scan# 1115

Delta R.T. 0.00 min

Lab File: VD063827.D

Acq: 25 Sep 2019 17:25

Instrument :

MSVOA_D

ClientSampleId :

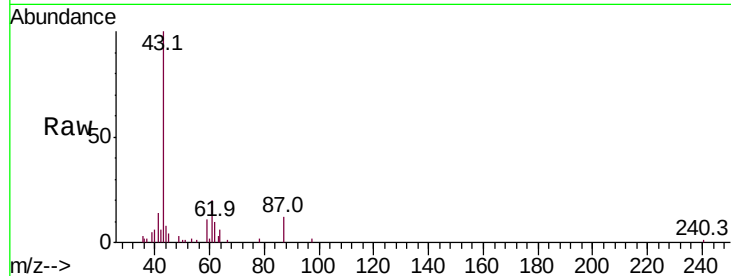
Tot Ion: 43 Resp: 31575

Ion Ratio Lower Upper

43 100

61 31.0 24.6 37.0

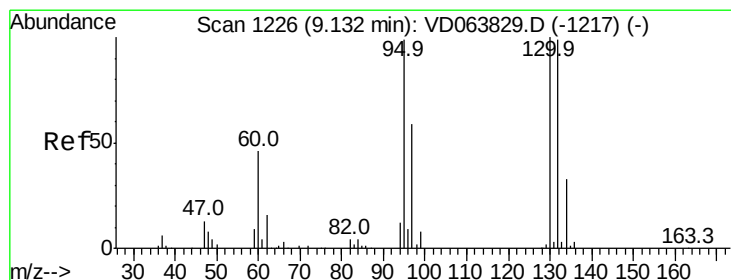
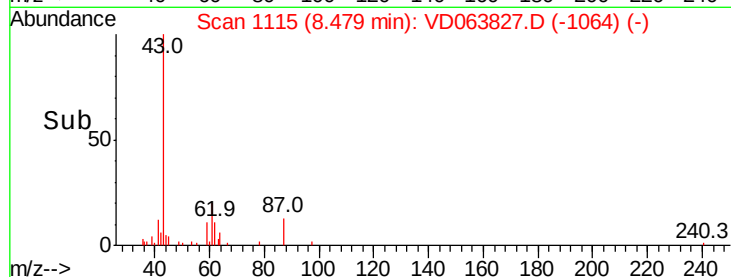
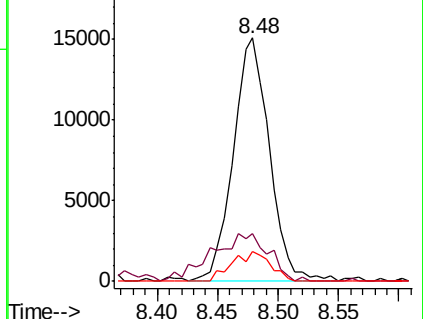
87 12.9 10.5 15.7



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 61.00 (60.70 to 61.70): VDC

Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 10.678 ug/l

RT: 9.13 min Scan# 1226

Delta R.T. 0.00 min

Lab File: VD063827.D

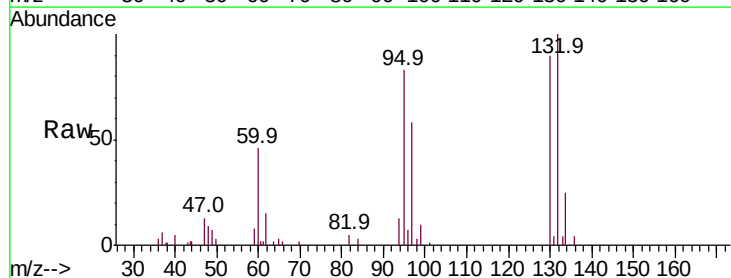
Acq: 25 Sep 2019 17:25

Tgt Ion:130 Resp: 29584

Ion Ratio Lower Upper

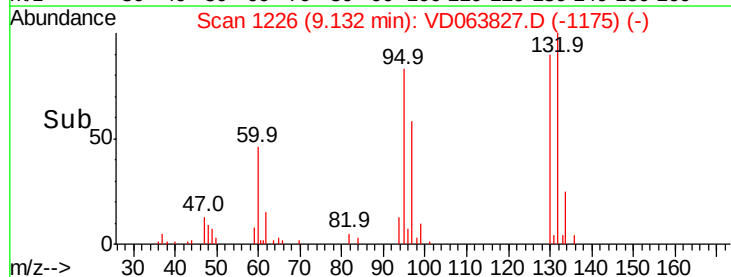
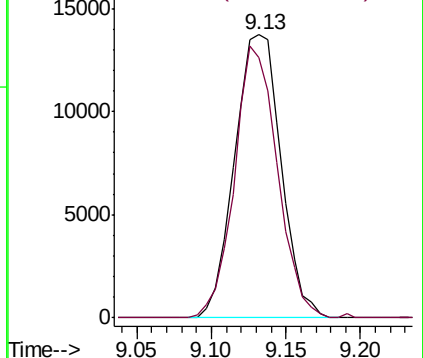
130 100

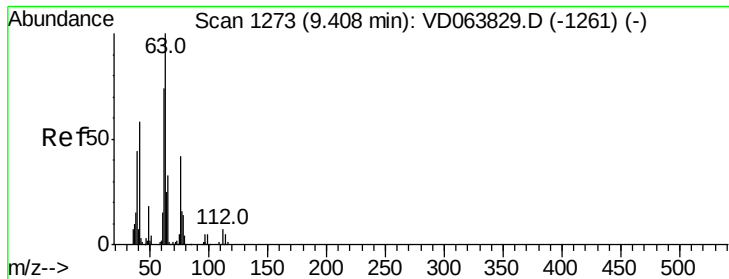
95 92.0 0.0 198.6



Abundance Ion 129.80 (129.50 to 130.50): VDC

Ion 94.90 (94.60 to 95.60): VDC

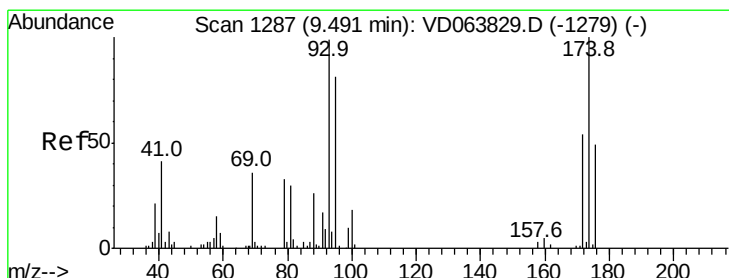
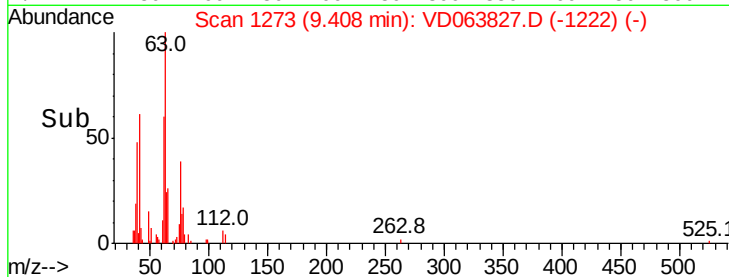
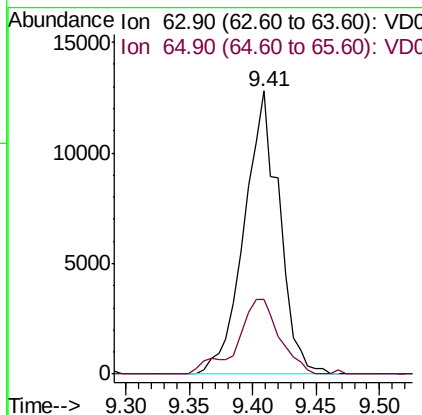
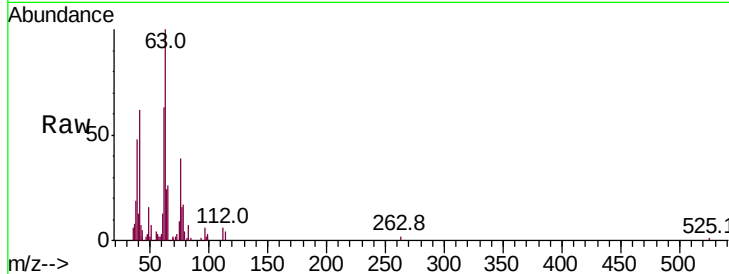




#45
 1,2-Dichloropropane
 Concen: 10.437 ug/l
 RT: 9.41 min Scan# 1273
 Delta R.T. 0.00 min
 Lab File: VD063827.D
 Acq: 25 Sep 2019 17:25

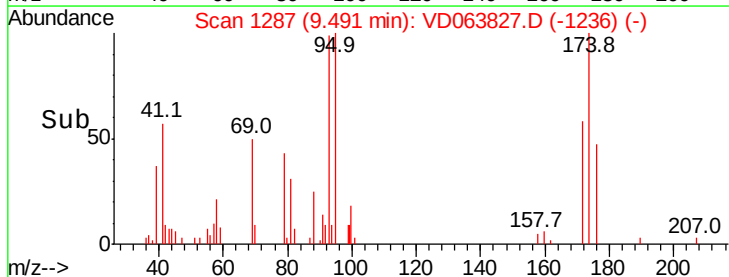
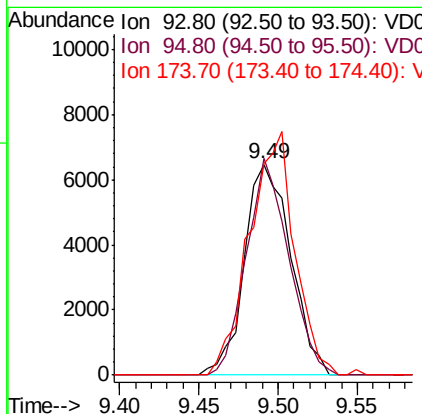
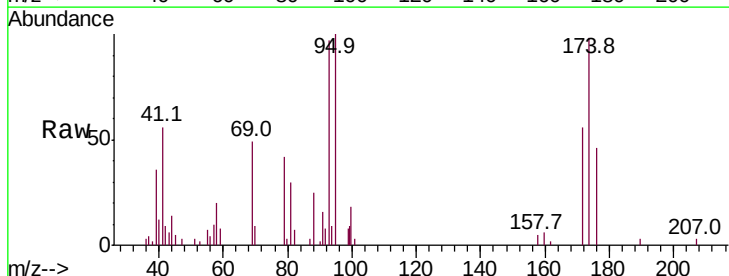
Instrument :
 MSVOA_D
 ClientSampleId :

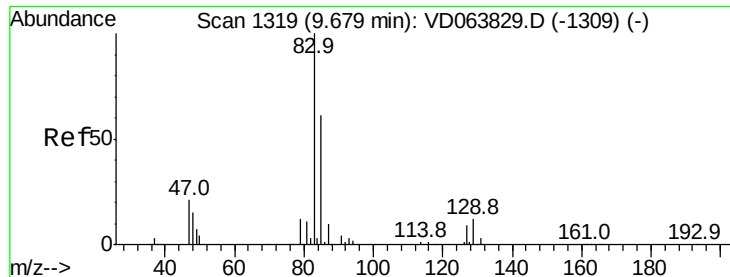
Tot Ion: 63 Resp: 24666
 Ion Ratio Lower Upper
 63 100
 65 26.5 26.8 40.2#



#46
 Dibromomethane
 Concen: 9.882 ug/l
 RT: 9.49 min Scan# 1287
 Delta R.T. 0.00 min
 Lab File: VD063827.D
 Acq: 25 Sep 2019 17:25

Tgt Ion: 93 Resp: 13182
 Ion Ratio Lower Upper
 93 100
 95 93.9 63.8 95.8
 174 112.7 84.2 126.2





#47

Bromodichloromethane

Concen: 10.417 ug/l

RT: 9.68 min Scan# 1319

Delta R.T. 0.00 min

Lab File: VD063827.D

Acq: 25 Sep 2019 17:25

Instrument :
MSVOA_D
ClientSampleId :

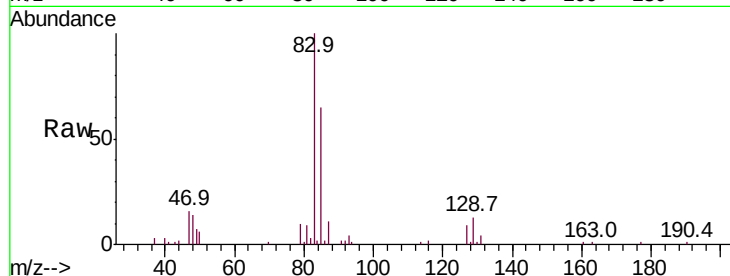
Tot Ion: 83 Resp: 35818

Ion Ratio Lower Upper

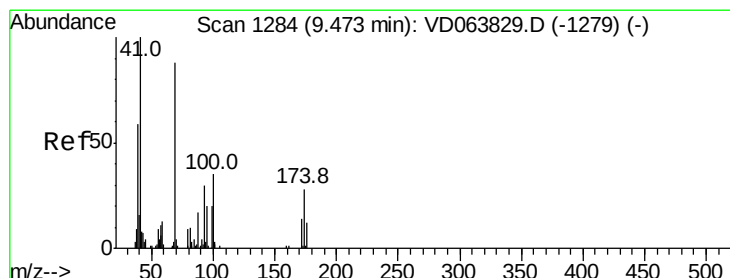
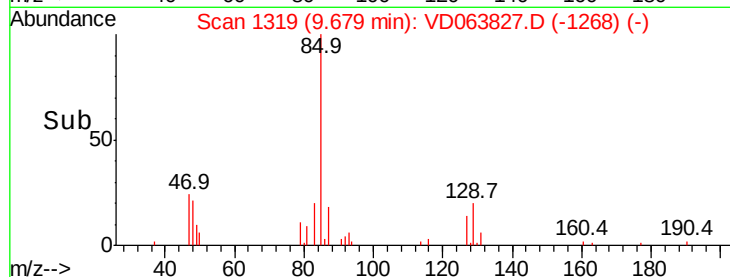
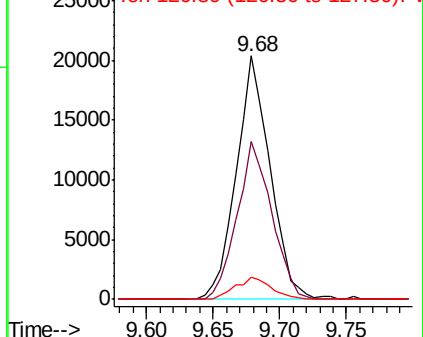
83 100

85 64.7 48.6 73.0

127 9.3 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: 11.269 ug/l

RT: 9.47 min Scan# 1284

Delta R.T. 0.00 min

Lab File: VD063827.D

Acq: 25 Sep 2019 17:25

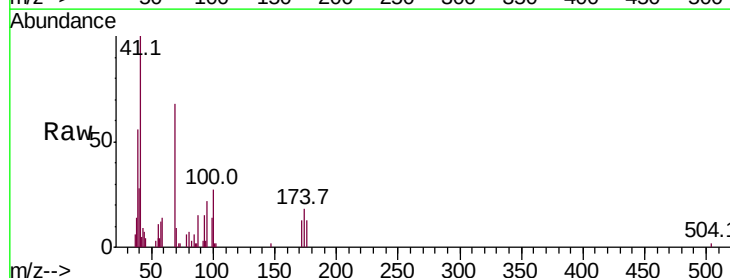
Tgt Ion: 41 Resp: 14907

Ion Ratio Lower Upper

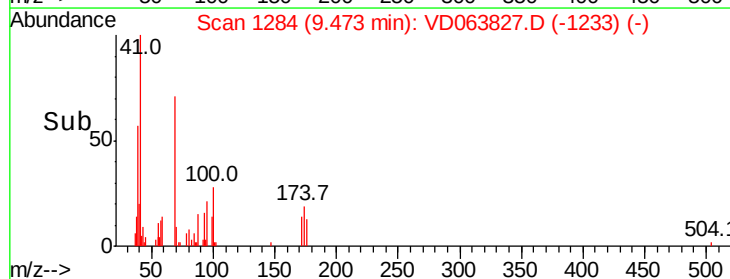
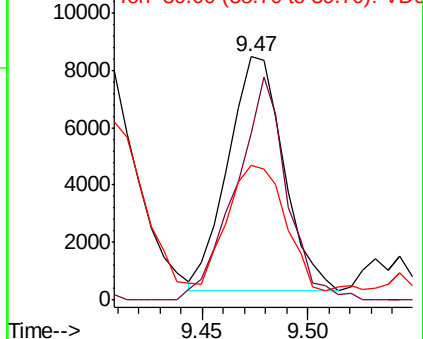
41 100

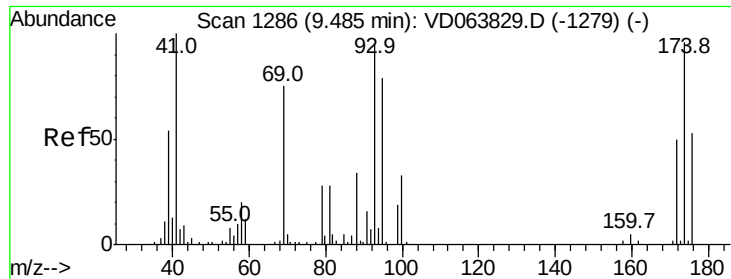
69 87.5 71.7 107.5

39 63.1 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: 214.528 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. -0.01 min

Lab File: VD063827.D

Acq: 25 Sep 2019 17:25

Instrument :

MSVOA_D

ClientSampleId :

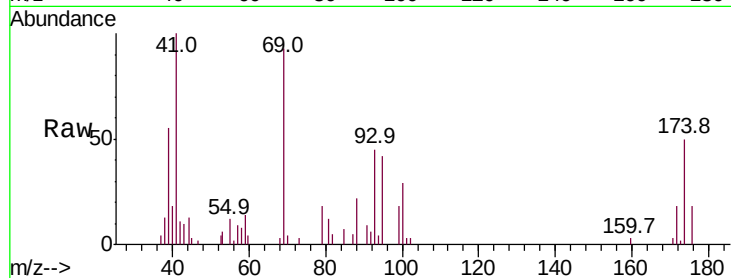
Tot Ion: 88 Resp: 3992

Ion Ratio Lower Upper

88 100

43 34.0 25.8 38.6

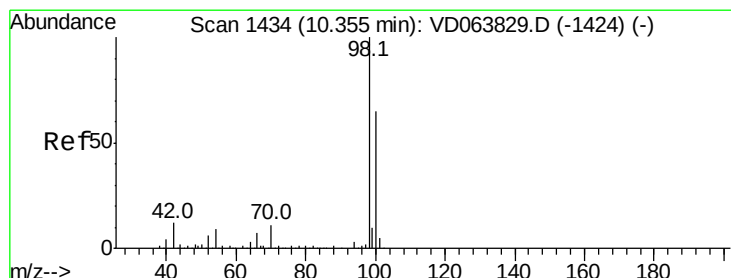
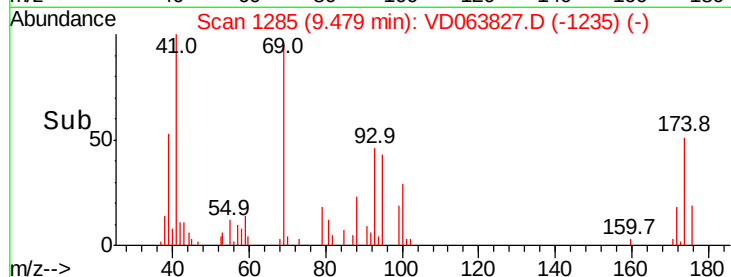
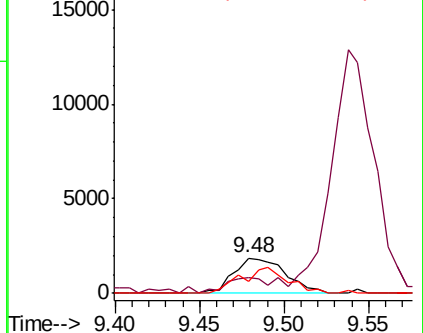
58 66.3 55.9 83.9



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: 9.912 ug/l

RT: 10.36 min Scan# 1434

Delta R.T. 0.00 min

Lab File: VD063827.D

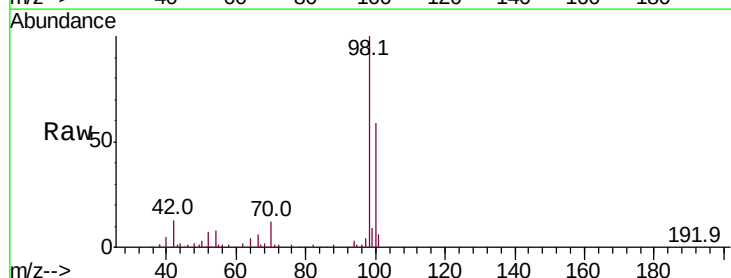
Acq: 25 Sep 2019 17:25

Tgt Ion: 98 Resp: 90206

Ion Ratio Lower Upper

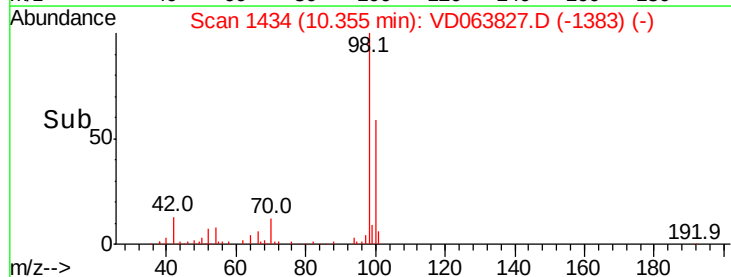
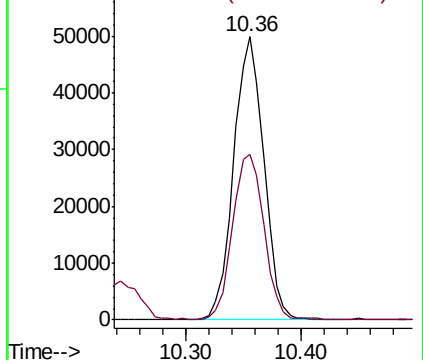
98 100

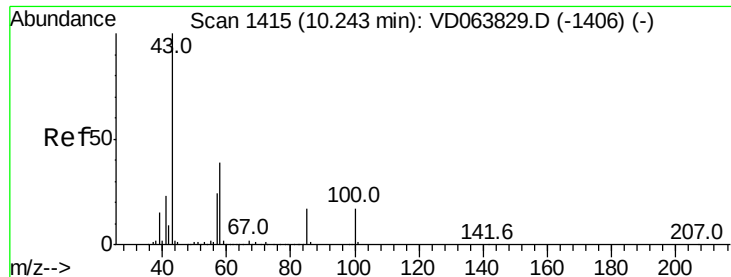
100 60.8 51.6 77.4



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: 54.968 ug/l

RT: 10.25 min Scan# 1416

Delta R.T. 0.01 min

Lab File: VD063827.D

Acq: 25 Sep 2019 17:25

Instrument :

MSVOA_D

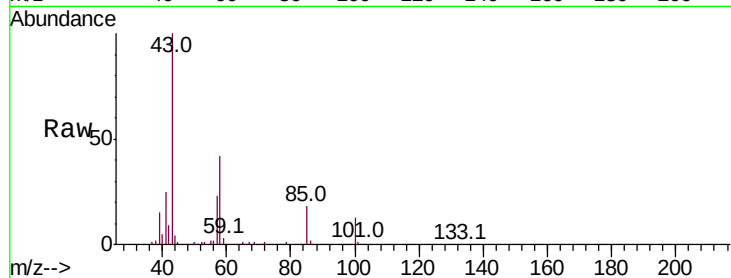
ClientSampled :

Tot Ion: 43 Resp: 80542

Ion Ratio Lower Upper

43 100

58 39.5 30.9 46.3



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

10.25

40000

30000

20000

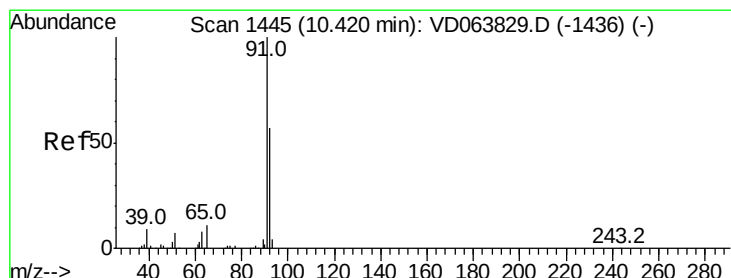
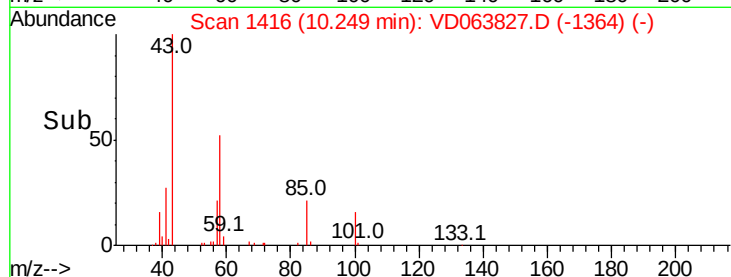
10000

0

Time-->

10.20

10.30



#52

Toluene

Concen: 10.412 ug/l

RT: 10.42 min Scan# 1445

Delta R.T. 0.00 min

Lab File: VD063827.D

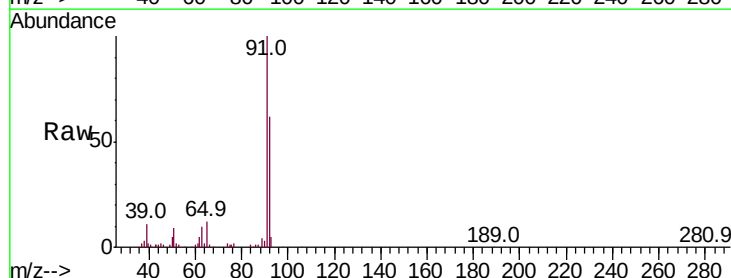
Acq: 25 Sep 2019 17:25

Tgt Ion: 92 Resp: 67544

Ion Ratio Lower Upper

92 100

91 174.9 139.7 209.5



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

10.42

60000

40000

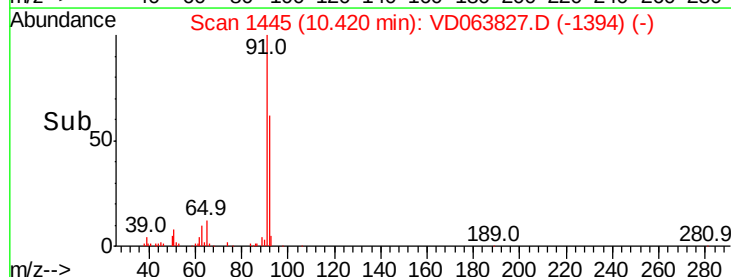
20000

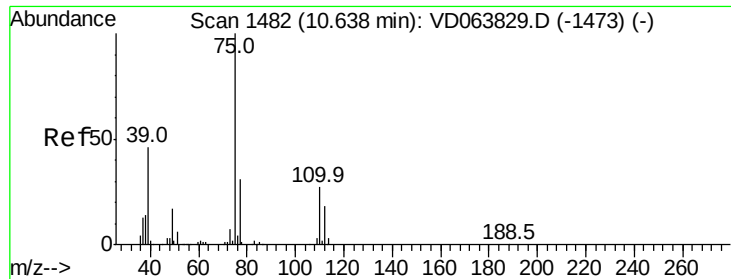
0

Time-->

10.40

10.50





#53

t-1,3-Dichloropropene

Concen: 10.263 ug/l

RT: 10.64 min Scan# 1482

Delta R.T. 0.00 min

Lab File: VD063827.D

Acq: 25 Sep 2019 17:25

Instrument :

MSVOA_D

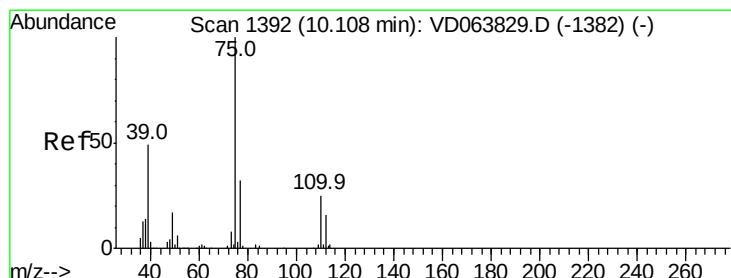
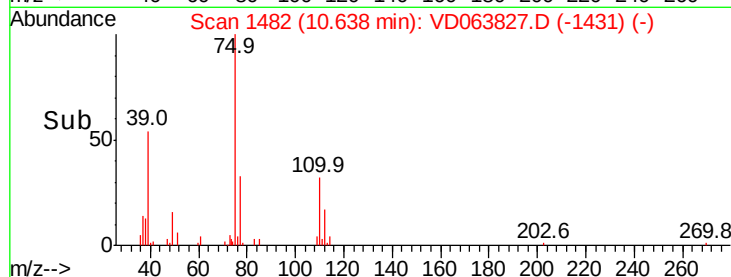
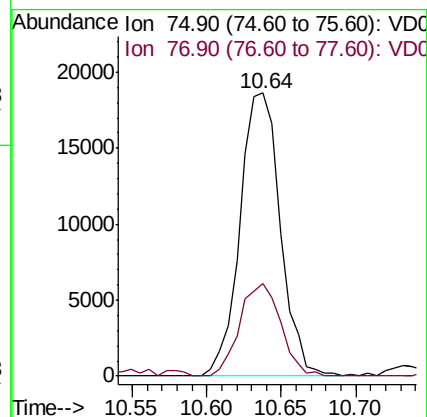
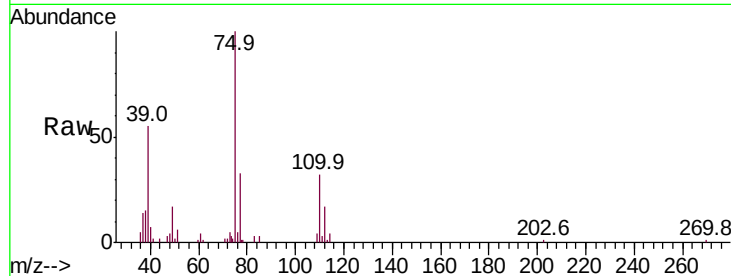
ClientSampleId :

Tot Ion: 75 Resp: 34979

Ion Ratio Lower Upper

75 100

77 32.6 24.9 37.3



#54

cis-1,3-Dichloropropene

Concen: 10.413 ug/l

RT: 10.11 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VD063827.D

Acq: 25 Sep 2019 17:25

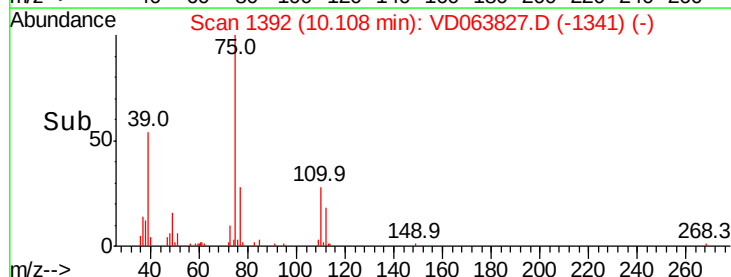
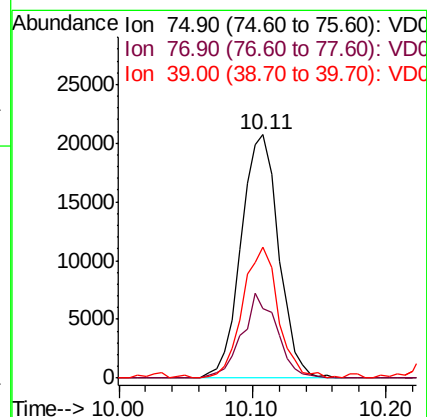
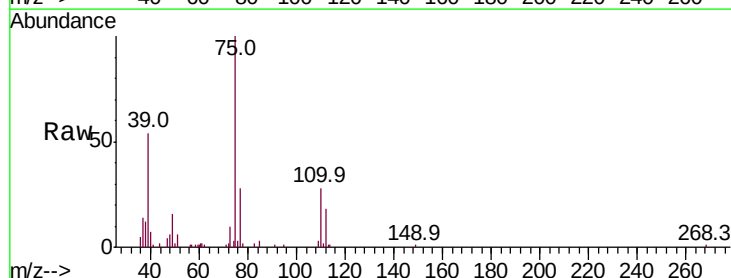
Tgt Ion: 75 Resp: 40286

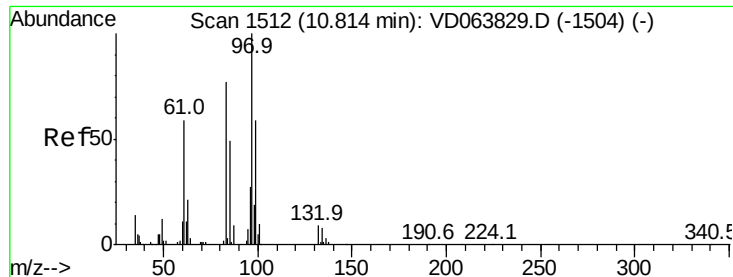
Ion Ratio Lower Upper

75 100

77 28.4 25.8 38.8

39 53.6 39.5 59.3





#55

1,1,2-Trichloroethane

Concen: 10.356 ug/l

RT: 10.82 min Scan# 1513

Delta R.T. 0.01 min

Lab File: VD063827.D

Acq: 25 Sep 2019 17:25

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 97 Resp: 19520

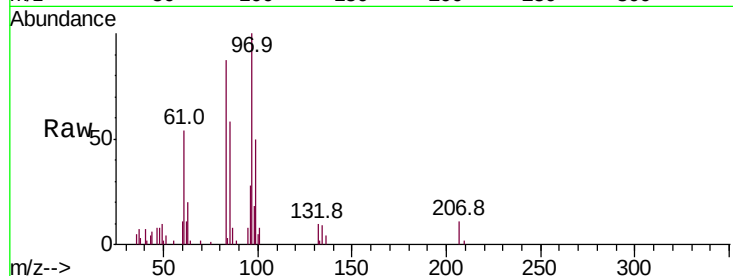
Ion	Ratio	Lower	Upper
97	100		
83	86.8	61.9	92.9
85	58.4	39.4	59.2
99	50.0	47.3	70.9

97 100

83 86.8 61.9 92.9

85 58.4 39.4 59.2

99 50.0 47.3 70.9



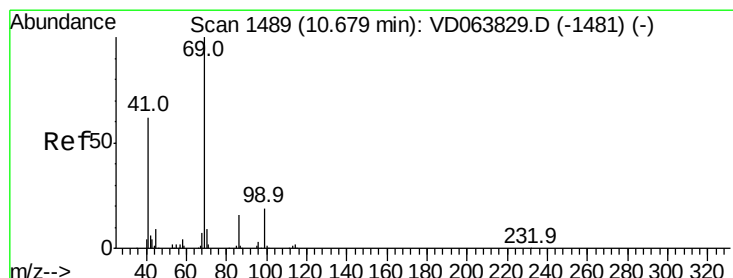
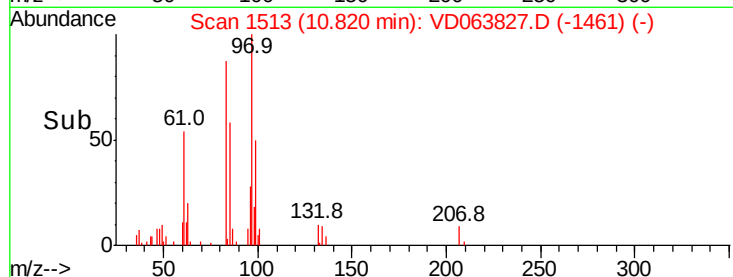
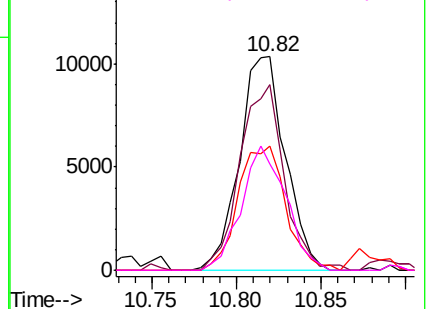
Abundance

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: 9.891 ug/l

RT: 10.68 min Scan# 1489

Delta R.T. 0.00 min

Lab File: VD063827.D

Acq: 25 Sep 2019 17:25

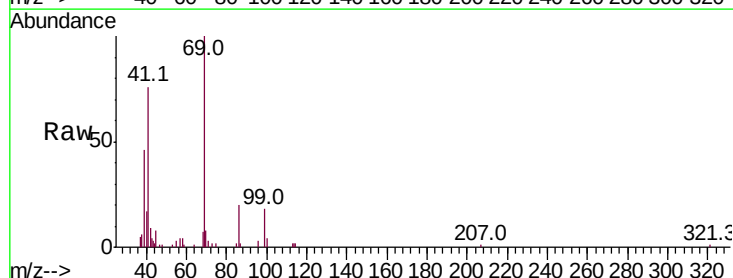
Tgt Ion: 69 Resp: 23695

Ion	Ratio	Lower	Upper
69	100		
41	76.4	52.2	78.4
39	39.9	28.7	43.1

69 100

41 76.4 52.2 78.4

39 39.9 28.7 43.1

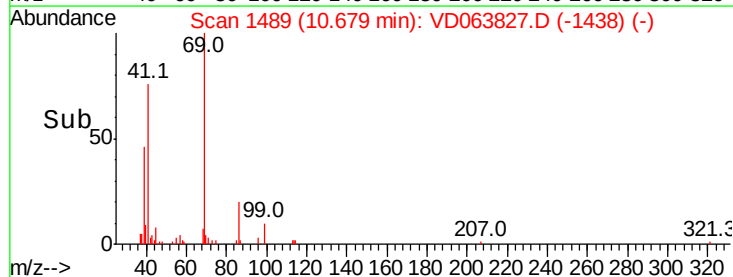
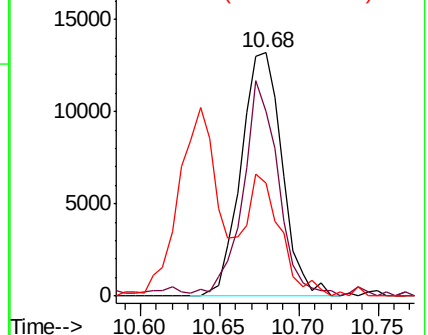


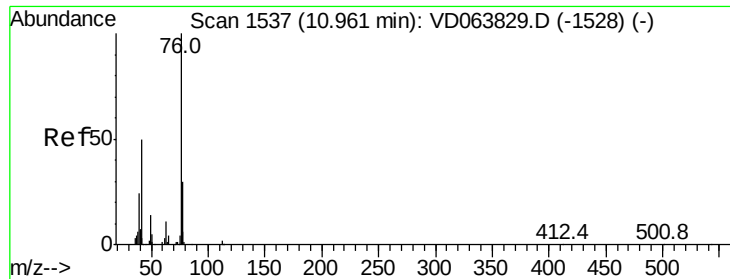
Abundance

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: 10.914 ug/l

RT: 10.96 min Scan# 1537

Delta R.T. 0.00 min

Lab File: VD063827.D

Acq: 25 Sep 2019 17:25

Instrument :

MSVOA_D

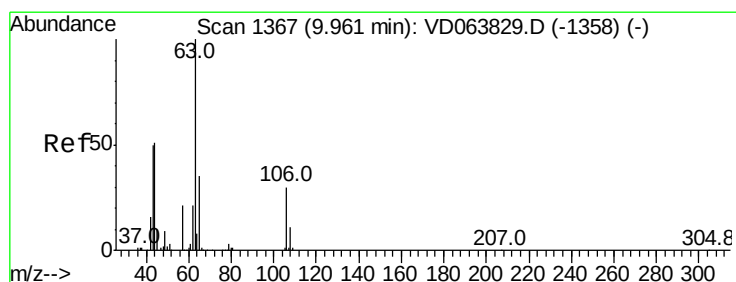
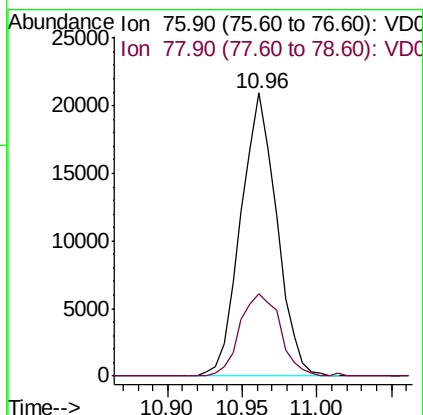
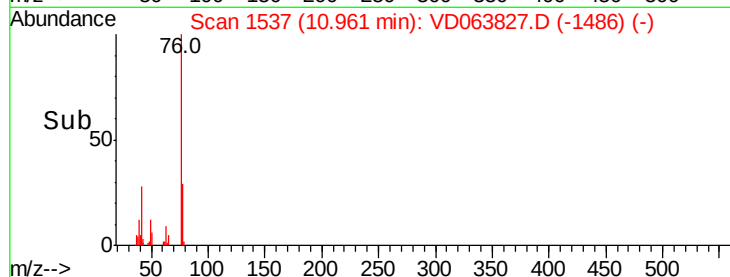
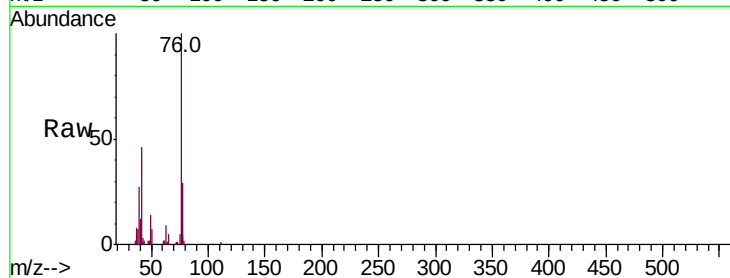
ClientSampleId :

Tot Ion: 76 Resp: 34953

Ion Ratio Lower Upper

76 100

78 32.5 25.7 38.5



#58

2-Chloroethyl Vinyl ether

Concen: 53.614 ug/l

RT: 9.96 min Scan# 1367

Delta R.T. 0.00 min

Lab File: VD063827.D

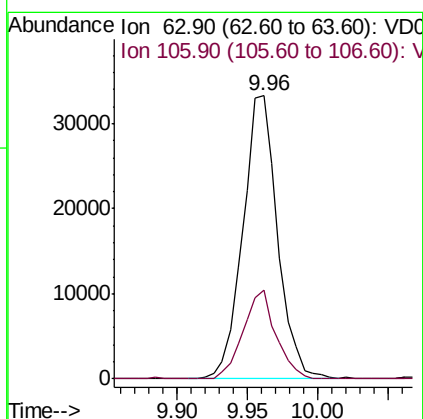
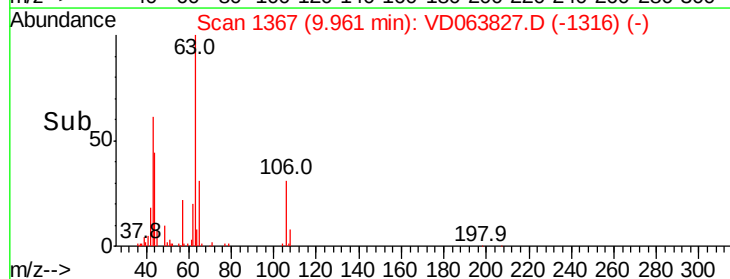
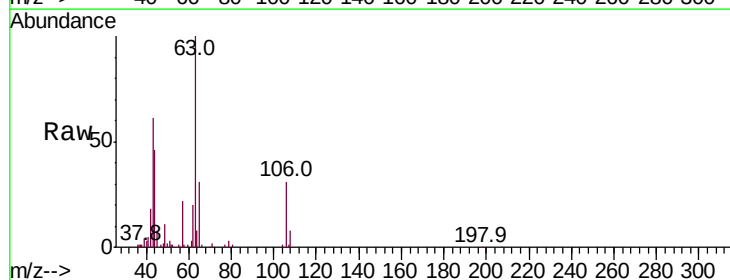
Acq: 25 Sep 2019 17:25

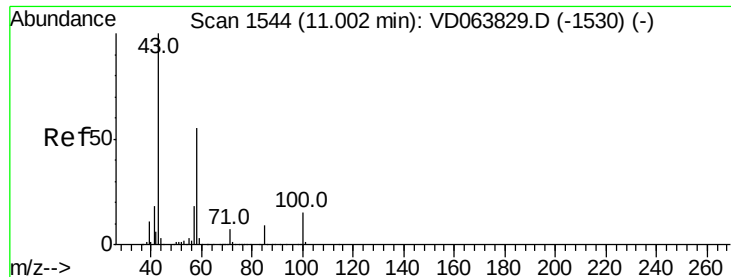
Tgt Ion: 63 Resp: 57405

Ion Ratio Lower Upper

63 100

106 29.4 23.4 35.0

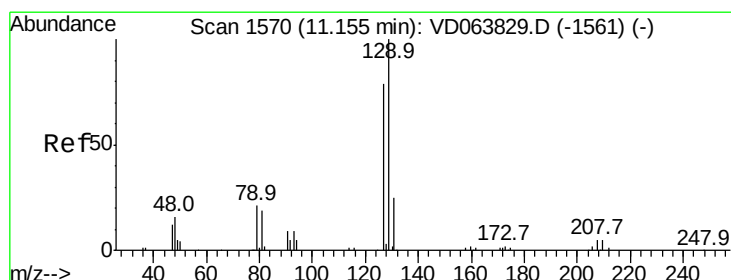
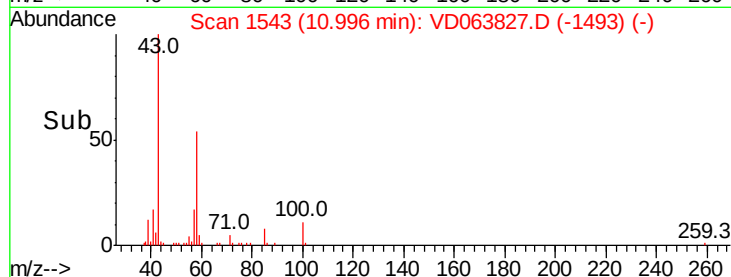
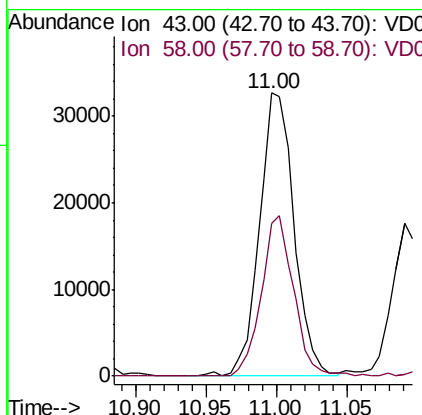
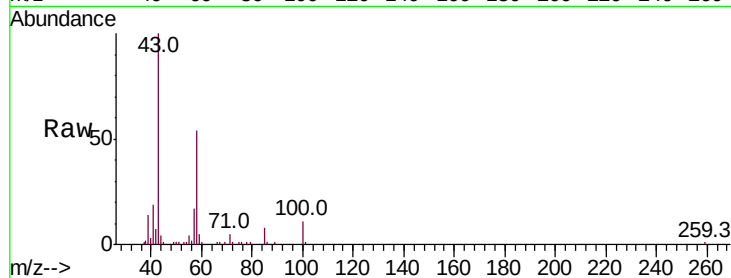




#59
2-Hexanone
Concen: 53.911 ug/l
RT: 11.00 min Scan# 1543
Delta R.T. -0.01 min
Lab File: VD063827.D
Acq: 25 Sep 2019 17:25

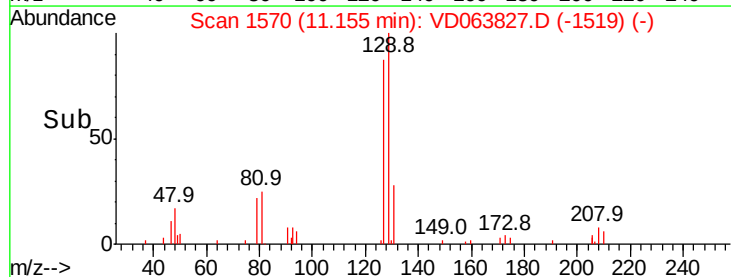
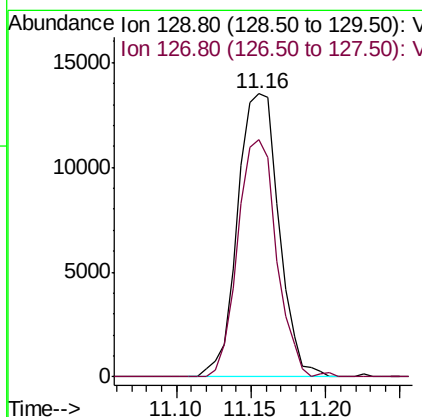
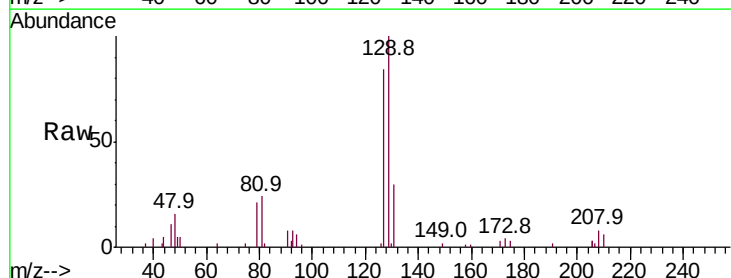
Instrument :
MSVOA_D
ClientSampleId :

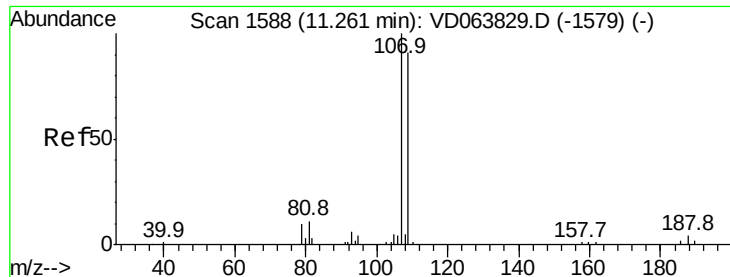
Tot Ion: 43 Resp: 56363
Ion Ratio Lower Upper
43 100
58 52.7 27.6 82.7



#60
Dibromochloromethane
Concen: 10.425 ug/l
RT: 11.16 min Scan# 1570
Delta R.T. 0.00 min
Lab File: VD063827.D
Acq: 25 Sep 2019 17:25

Tgt Ion: 129 Resp: 25931
Ion Ratio Lower Upper
129 100
127 78.5 38.8 116.3

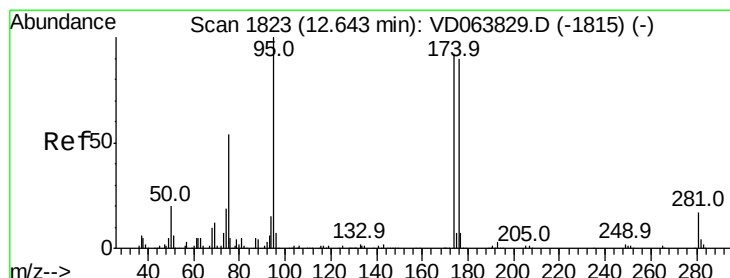
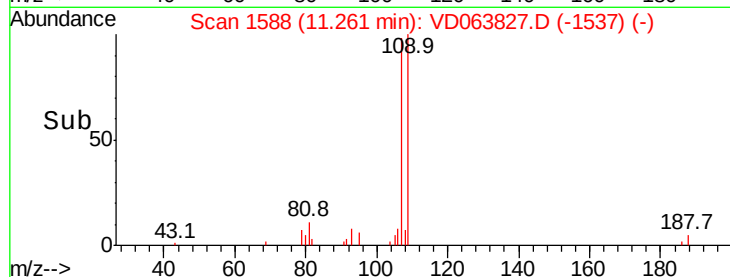
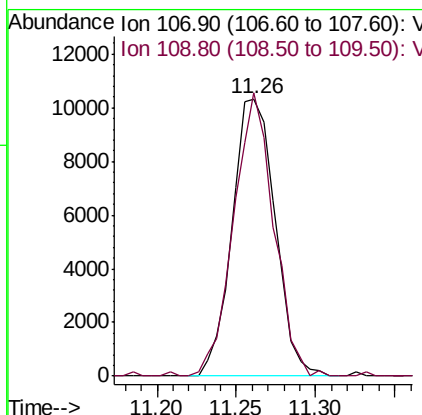
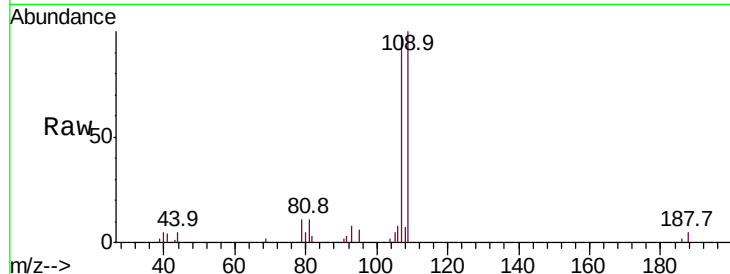




#61
 1,2-Dibromoethane
 Concen: 10.319 ug/l
 RT: 11.26 min Scan# 1588
 Delta R.T. 0.00 min
 Lab File: VD063827.D
 Acq: 25 Sep 2019 17:25

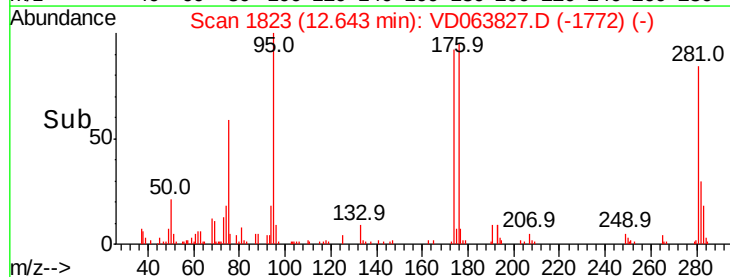
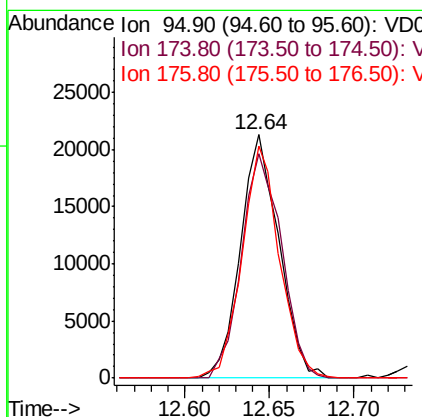
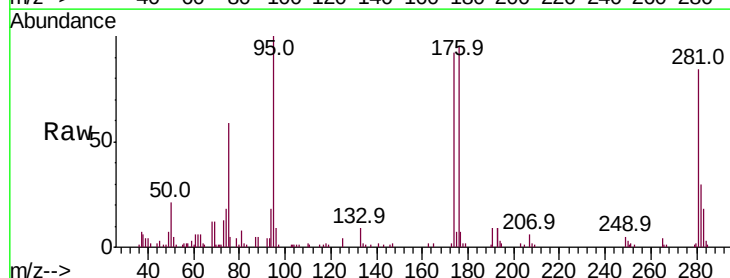
Instrument :
 MSVOA_D
 ClientSampleId :

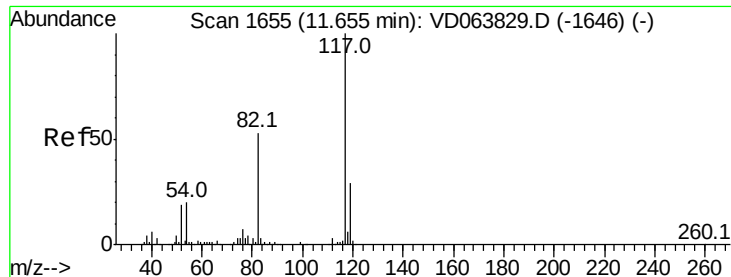
Tot Ion:107 Resp: 19444
 Ion Ratio Lower Upper
 107 100
 109 95.2 74.9 112.3



#62
 4-Bromofluorobenzene
 Concen: 10.345 ug/l
 RT: 12.64 min Scan# 1823
 Delta R.T. 0.00 min
 Lab File: VD063827.D
 Acq: 25 Sep 2019 17:25

Tgt Ion: 95 Resp: 33786
 Ion Ratio Lower Upper
 95 100
 174 95.8 0.0 183.2
 176 92.8 0.0 177.4

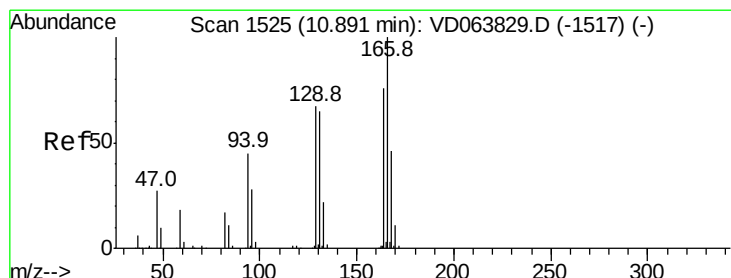
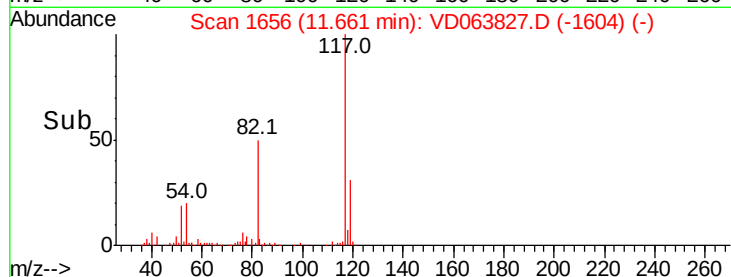
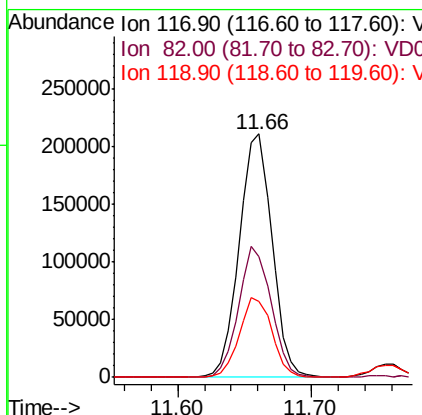
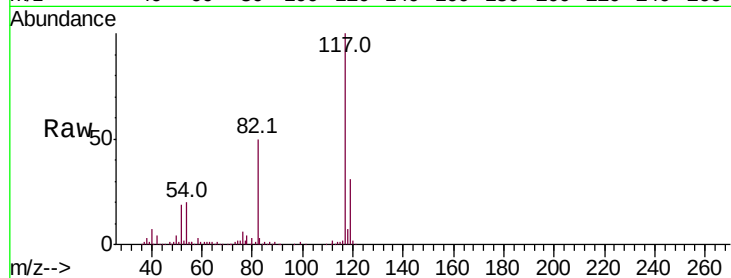




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.66 min Scan# 1656
Delta R.T. 0.01 min
Lab File: VD063827.D
Acq: 25 Sep 2019 17:25

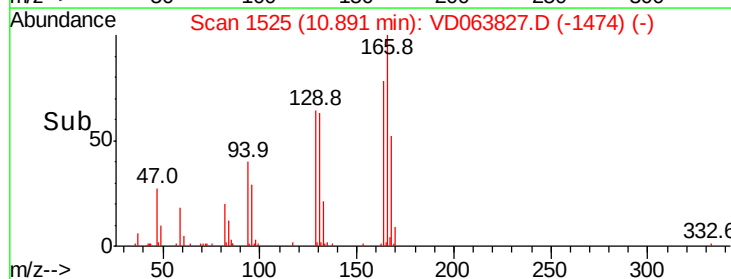
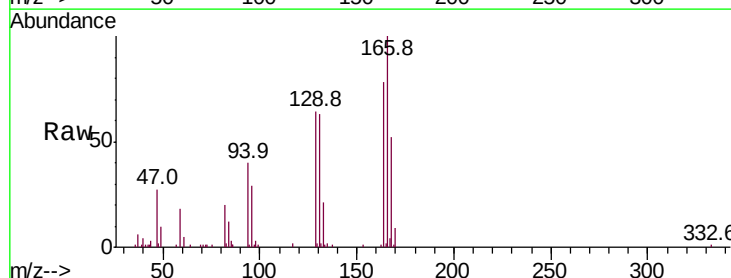
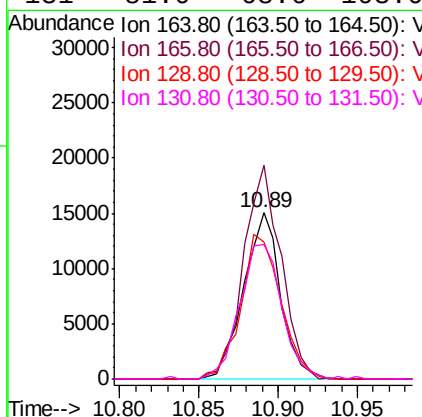
Instrument :
MSVOA_D
ClientSampleId :

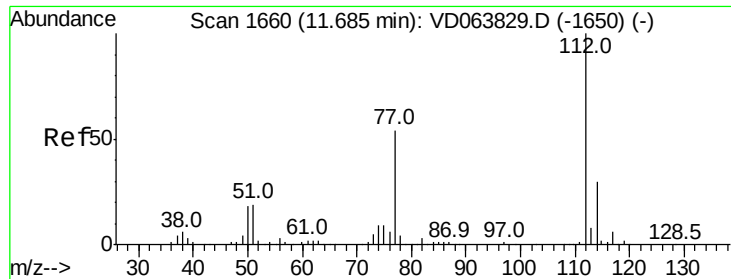
Tot Ion	Ratio	Lower	Upper
117	100		
82	49.8	42.4	63.6
119	31.1	23.5	35.3



#64
Tetrachloroethene
Concen: 9.998 ug/l
RT: 10.89 min Scan# 1525
Delta R.T. 0.00 min
Lab File: VD063827.D
Acq: 25 Sep 2019 17:25

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.4	105.5	158.3
129	82.7	70.2	105.4
131	81.0	68.6	103.0

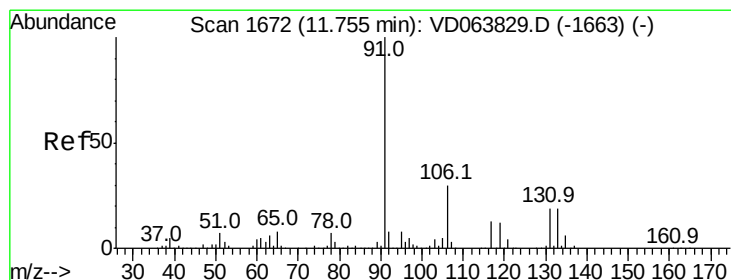
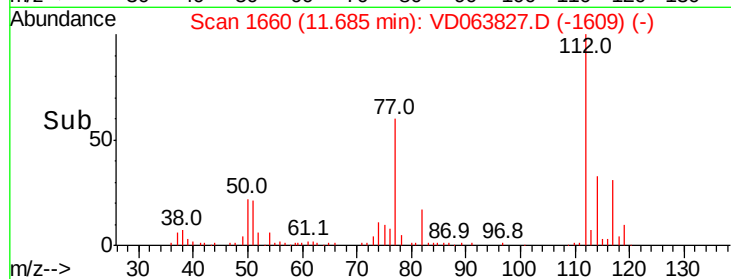
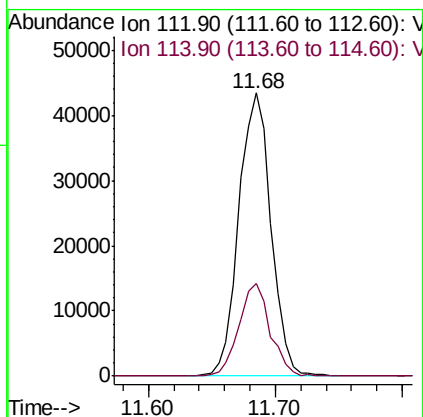
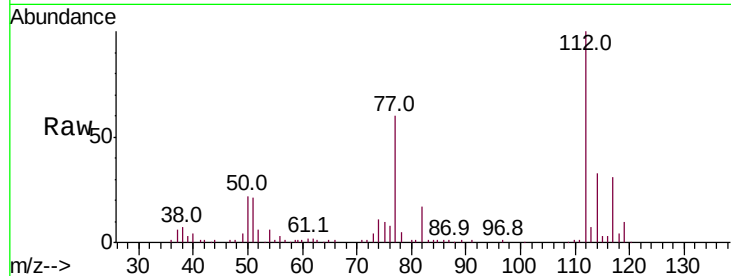




#65
Chlorobenzene
Concen: 10.523 ug/l
RT: 11.68 min Scan# 1660
Delta R.T. 0.00 min
Lab File: VD063827.D
Acq: 25 Sep 2019 17:25

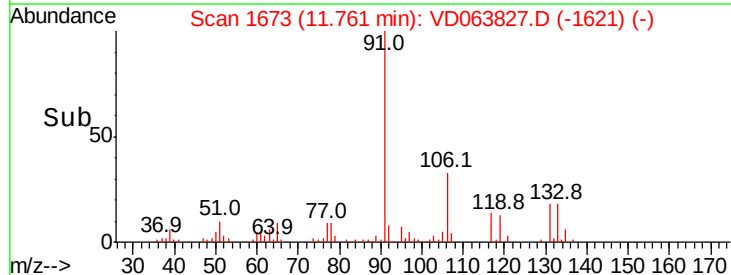
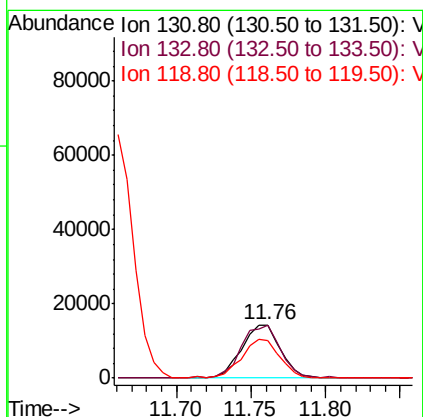
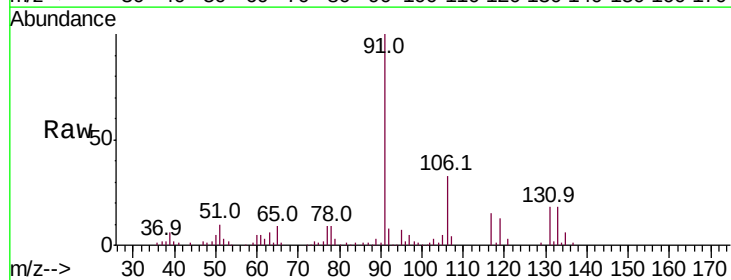
Instrument :
MSVOA_D
ClientSampleId :

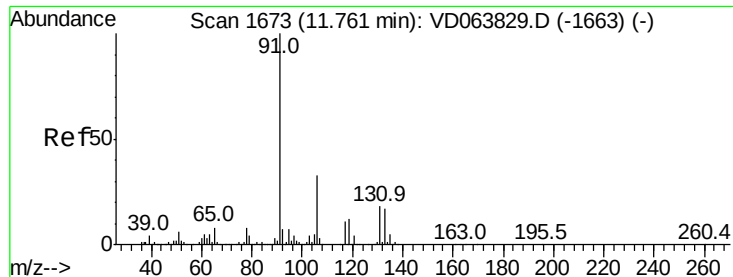
Tot Ion:112 Resp: 76216
Ion Ratio Lower Upper
112 100
114 32.6 24.2 36.2



#66
1,1,1,2-Tetrachloroethane
Concen: 9.705 ug/l
RT: 11.76 min Scan# 1673
Delta R.T. 0.01 min
Lab File: VD063827.D
Acq: 25 Sep 2019 17:25

Tgt Ion:131 Resp: 25833
Ion Ratio Lower Upper
131 100
133 100.5 47.4 142.3
119 72.0 31.6 94.8





#67

Ethyl Benzene

Concen: 10.566 ug/l

RT: 11.76 min Scan# 1672

Delta R.T. -0.01 min

Lab File: VD063827.D

Acq: 25 Sep 2019 17:25

Instrument :

MSVOA_D

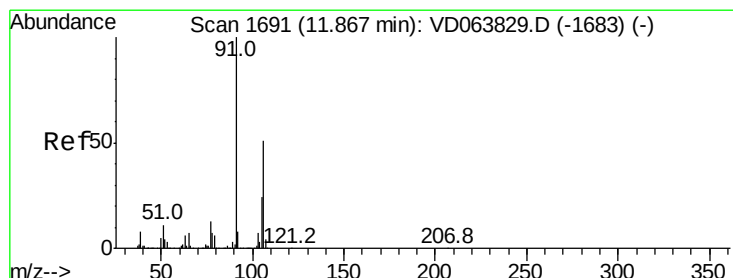
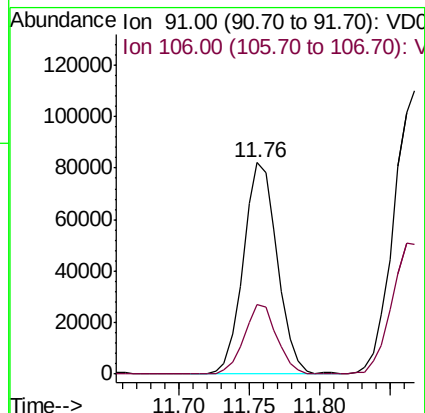
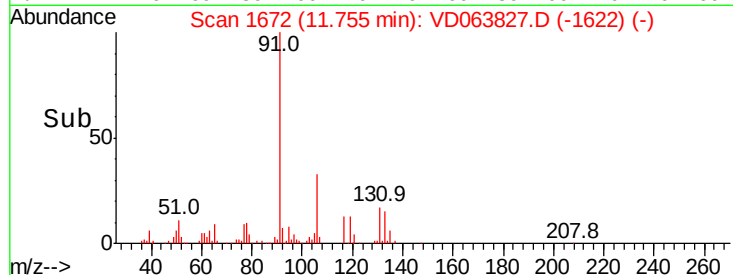
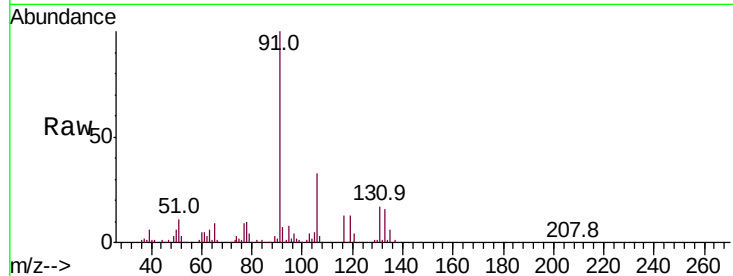
ClientSampleId :

Tot Ion: 91 Resp: 138226

Ion Ratio Lower Upper

91 100

106 33.1 26.6 40.0



#68

m/p-Xylenes

Concen: 20.740 ug/l

RT: 11.86 min Scan# 1690

Delta R.T. -0.01 min

Lab File: VD063827.D

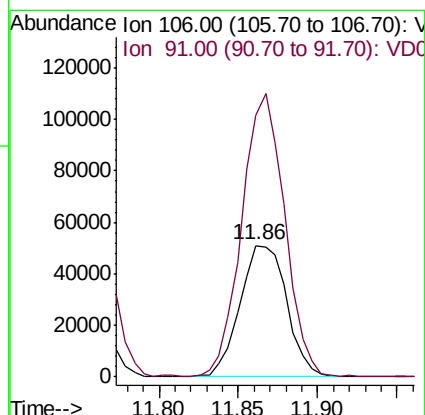
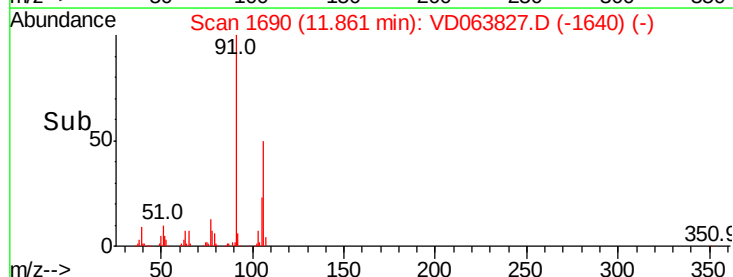
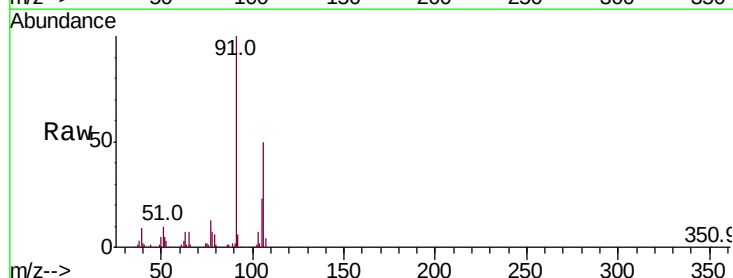
Acq: 25 Sep 2019 17:25

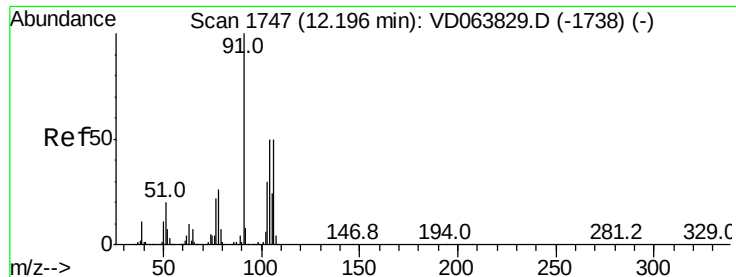
Tgt Ion: 106 Resp: 104194

Ion Ratio Lower Upper

106 100

91 198.8 157.6 236.4

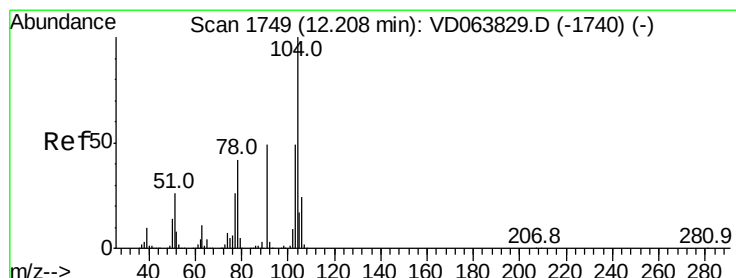
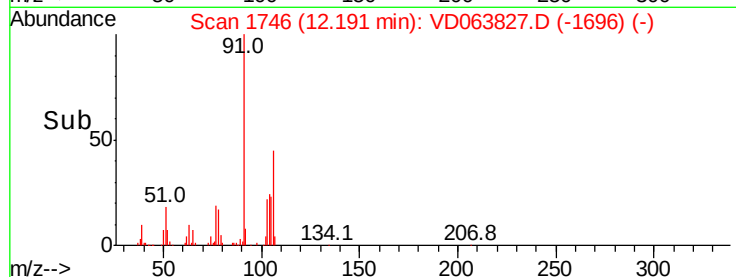
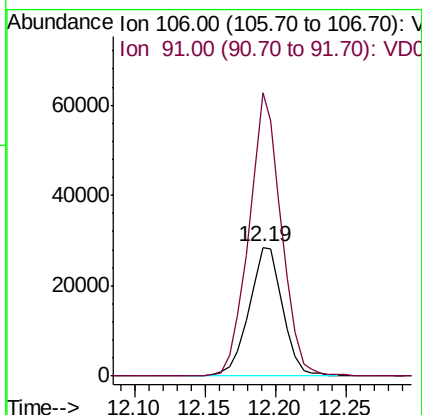
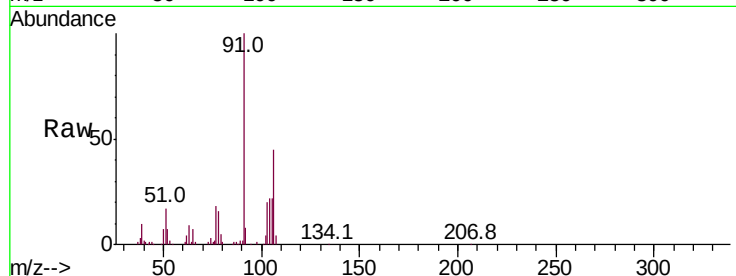




#69
o-Xylene
Concen: 10.058 ug/l
RT: 12.19 min Scan# 1746
Delta R.T. -0.01 min
Lab File: VD063827.D
Acq: 25 Sep 2019 17:25

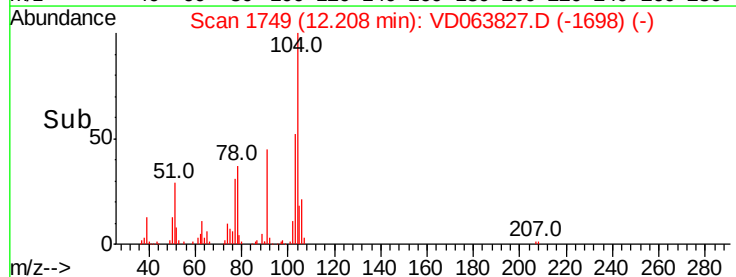
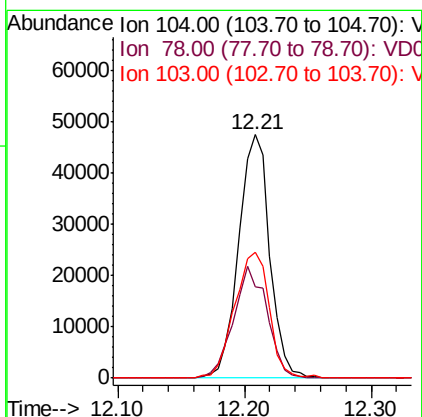
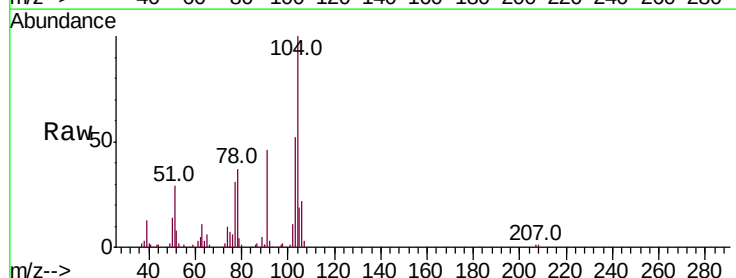
Instrument :
MSVOA_D
ClientSampleId :

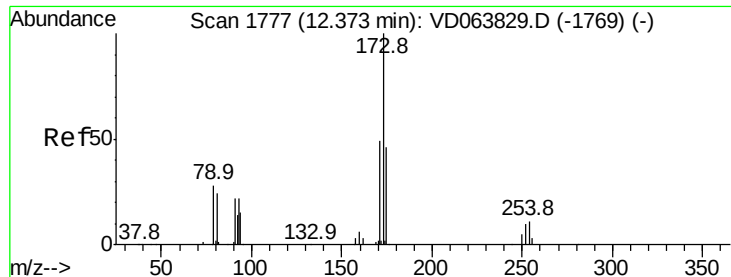
Tot Ion:106 Resp: 47695
Ion Ratio Lower Upper
106 100
91 210.9 102.4 307.1



#70
Styrene
Concen: 10.090 ug/l
RT: 12.21 min Scan# 1749
Delta R.T. 0.00 min
Lab File: VD063827.D
Acq: 25 Sep 2019 17:25

Tgt Ion:104 Resp: 80975
Ion Ratio Lower Upper
104 100
78 49.6 37.3 55.9
103 57.4 44.2 66.4





#71

Bromoform

Concen: 10.090 ug/l

RT: 12.37 min Scan# 1777

Delta R.T. 0.00 min

Lab File: VD063827.D

Acq: 25 Sep 2019 17:25

Instrument :

MSVOA_D

ClientSampleId :

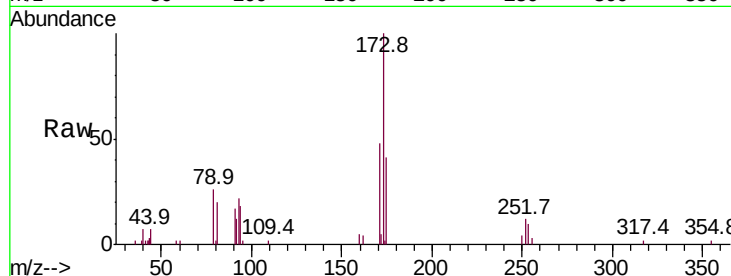
Tot Ion:173 Resp: 14919

Ion Ratio Lower Upper

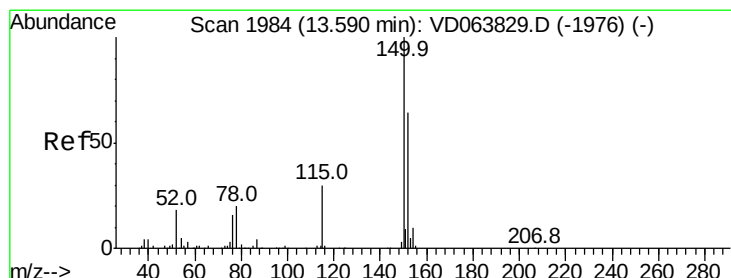
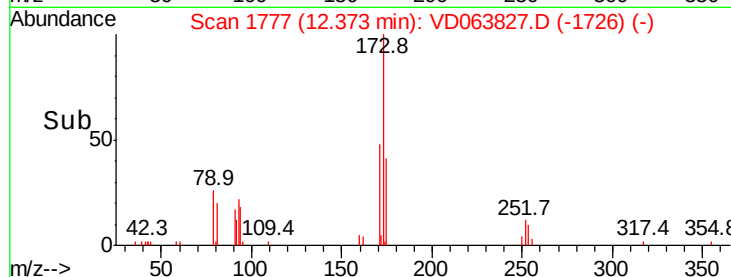
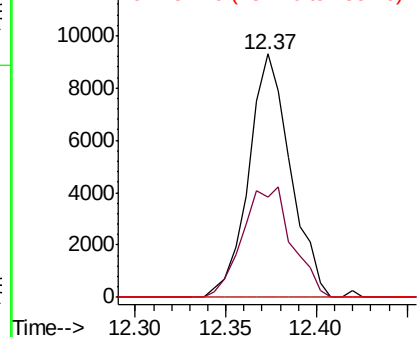
173 100

175 53.5 23.3 69.8

254 0.0 0.1 0.1#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1983

Delta R.T. -0.01 min

Lab File: VD063827.D

Acq: 25 Sep 2019 17:25

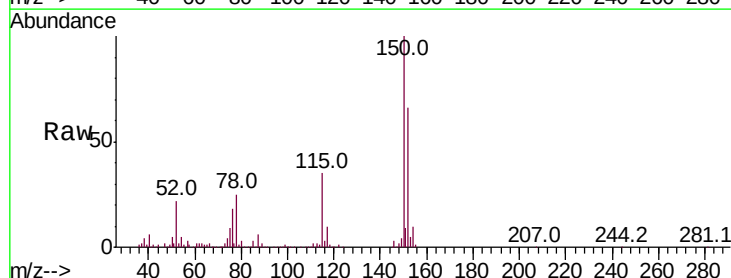
Tgt Ion:152 Resp: 185208

Ion Ratio Lower Upper

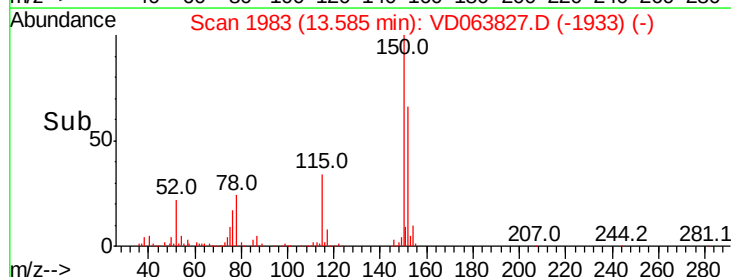
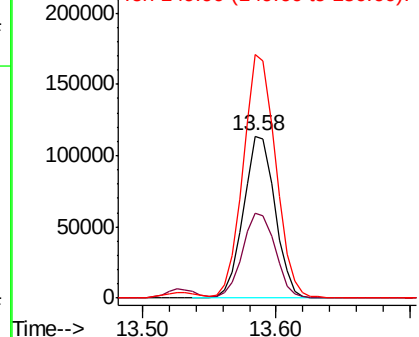
152 100

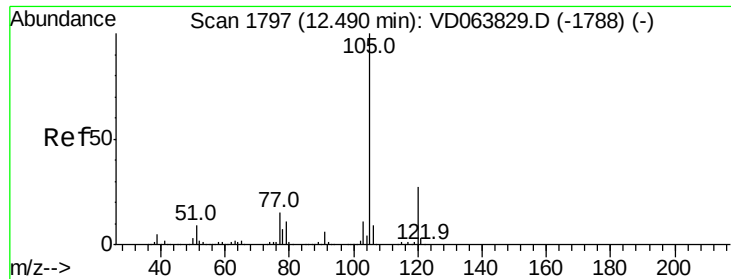
115 54.5 27.0 81.0

150 155.6 0.0 344.0



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





#73

Isopropylbenzene

Concen: 10.665 ug/l

RT: 12.49 min Scan# 1797

Delta R.T. 0.00 min

Lab File: VD063827.D

Acq: 25 Sep 2019 17:25

Instrument :

MSVOA_D

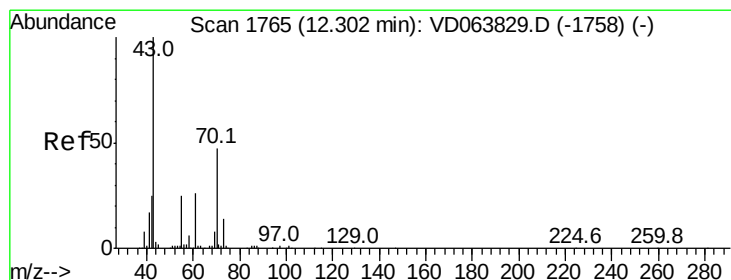
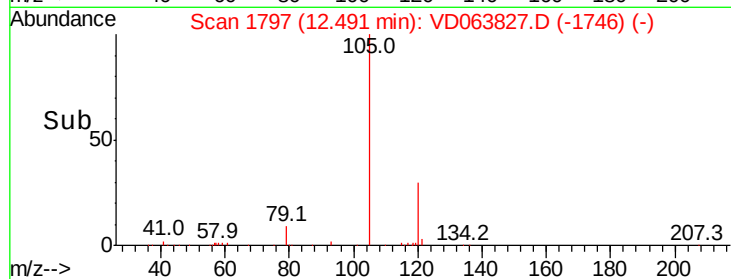
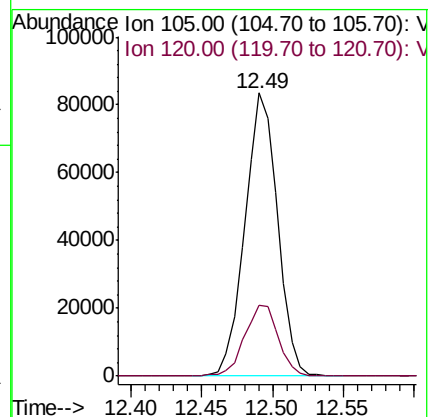
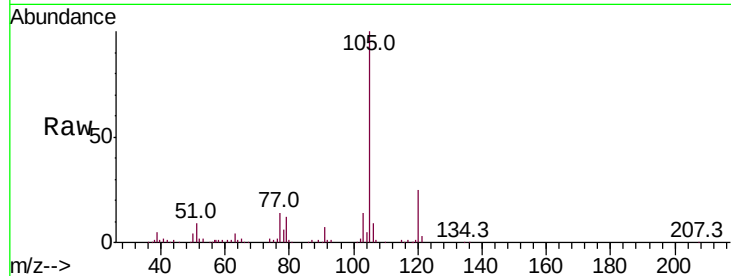
ClientSampleId :

Tot Ion:105 Resp: 134918

Ion Ratio Lower Upper

105 100

120 26.0 13.7 41.0



#74

N-ethyl acetate

Concen: 11.206 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. -0.01 min

Lab File: VD063827.D

Acq: 25 Sep 2019 17:25

Tgt Ion: 43 Resp: 31033

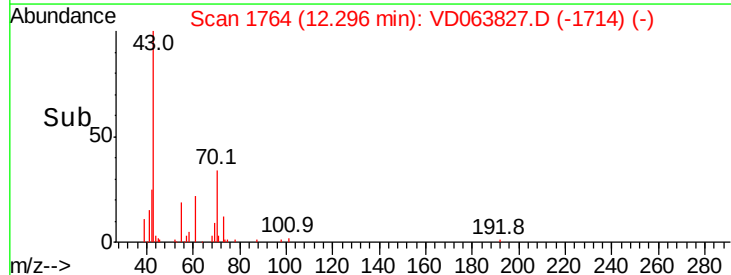
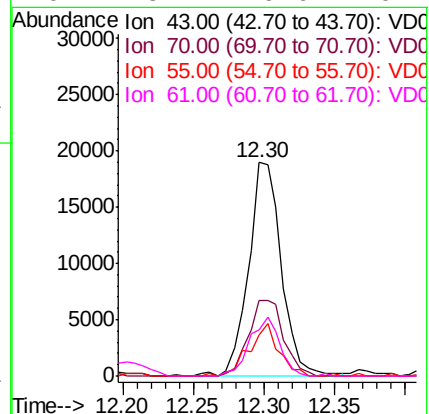
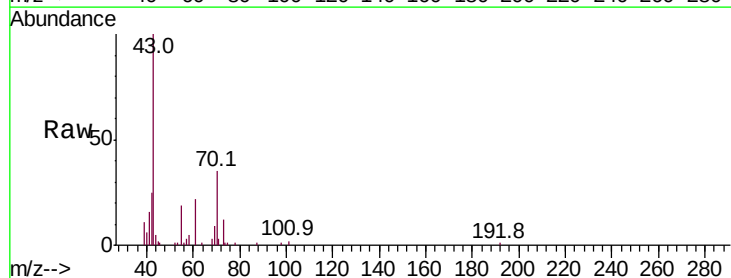
Ion Ratio Lower Upper

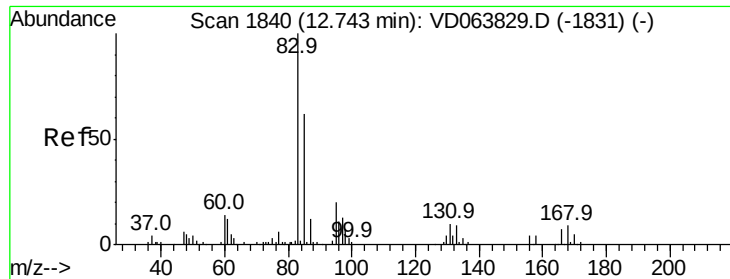
43 100

70 37.6 35.0 52.6

55 21.8 19.8 29.6

61 25.1 19.6 29.4





#75

1,1,2,2-Tetrachloroethane

Concen: 10.536 ug/l

RT: 12.74 min Scan# 1840

Delta R.T. 0.00 min

Lab File: VD063827.D

Acq: 25 Sep 2019 17:25

Instrument :

MSVOA_D

ClientSampleId :

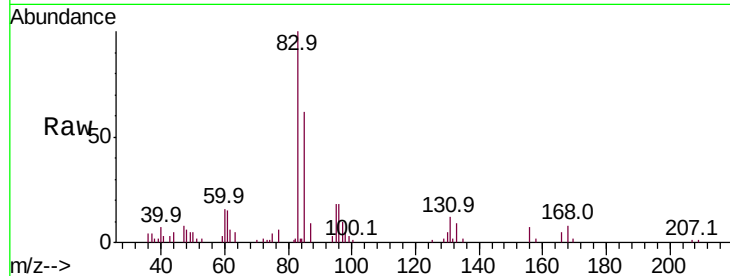
Tot Ion: 83 Resp: 22217

Ion	Ratio	Lower	Upper
83	100		
131	10.1	5.6	16.8
85	66.9	31.9	95.7

83 100

131 10.1 5.6 16.8

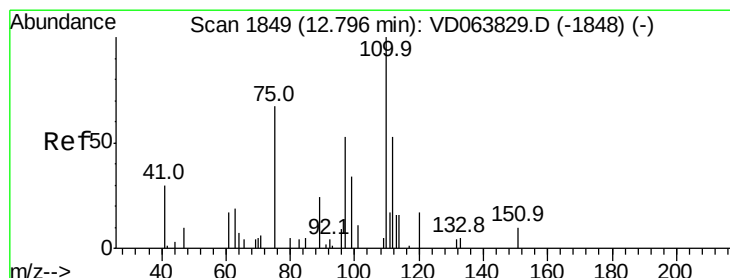
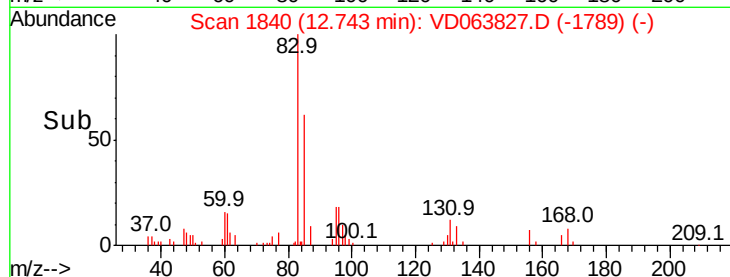
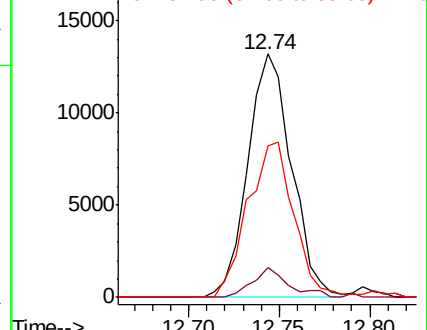
85 66.9 31.9 95.7



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: 25.417 ug/l

RT: 12.80 min Scan# 1849

Delta R.T. 0.00 min

Lab File: VD063827.D

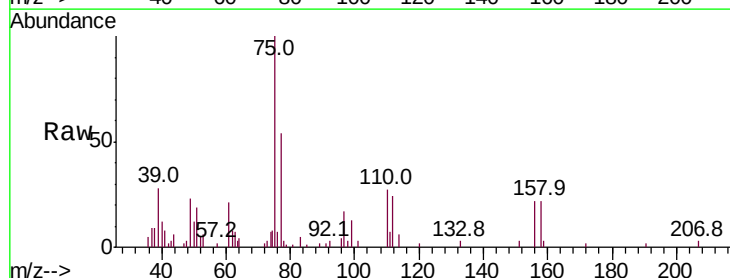
Acq: 25 Sep 2019 17:25

Tgt Ion: 75 Resp: 29854

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

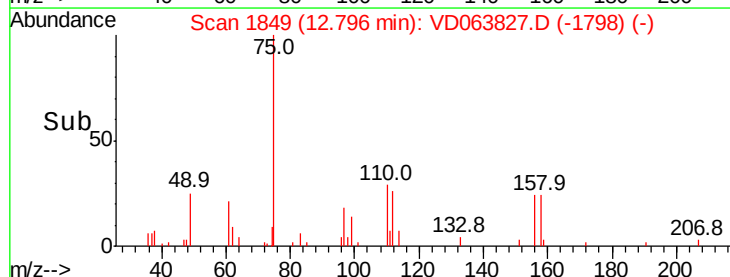
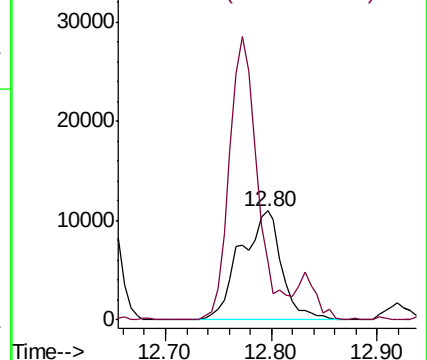
75 100

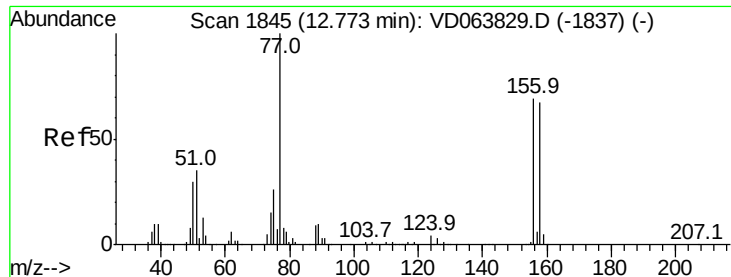
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC





#77

Bromobenzene

Concen: 10.270 ug/l

RT: 12.77 min Scan# 1845

Delta R.T. 0.00 min

Lab File: VD063827.D

Acq: 25 Sep 2019 17:25

Instrument :

MSVOA_D

ClientSampleId :

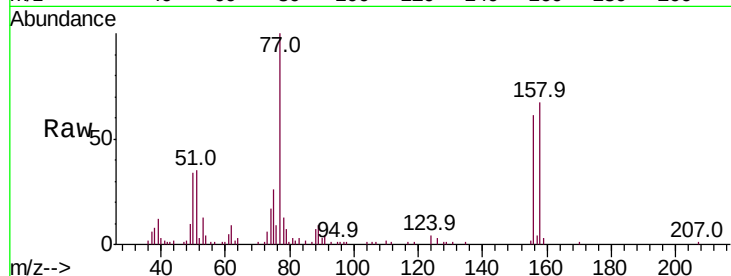
Tot Ion:156 Resp: 31223

Ion Ratio Lower Upper

156 100

77 170.8 79.8 239.4

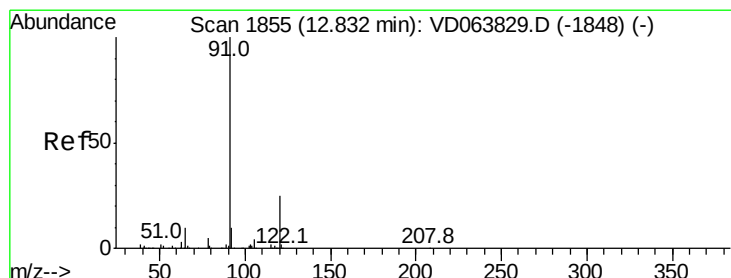
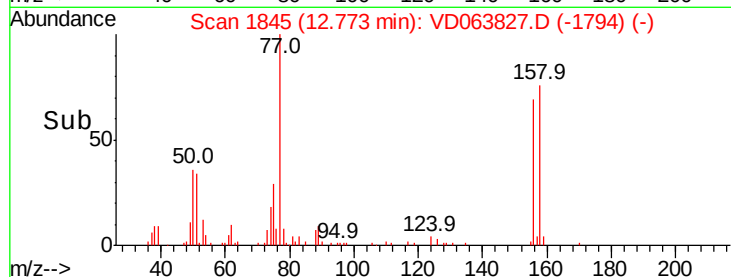
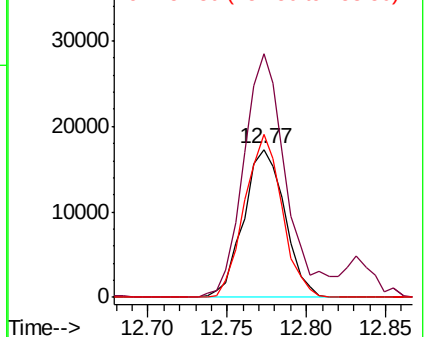
158 100.5 47.9 143.7



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: 10.891 ug/l

RT: 12.83 min Scan# 1855

Delta R.T. 0.00 min

Lab File: VD063827.D

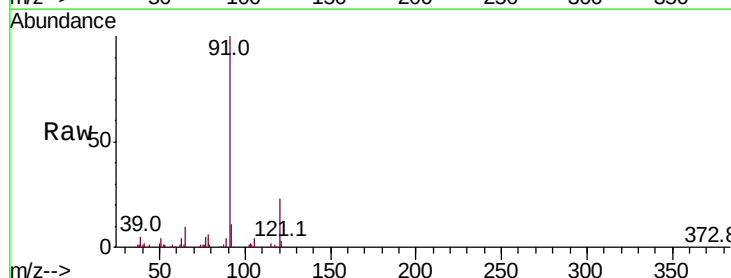
Acq: 25 Sep 2019 17:25

Tgt Ion: 91 Resp: 162089

Ion Ratio Lower Upper

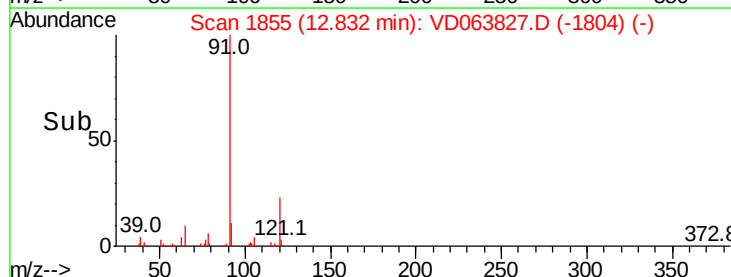
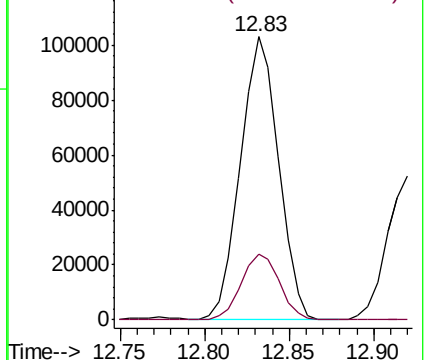
91 100

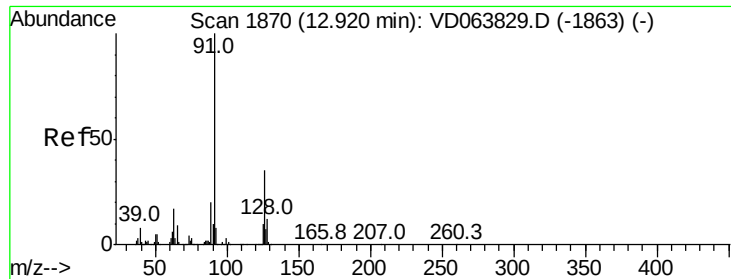
120 23.5 12.5 37.5



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V

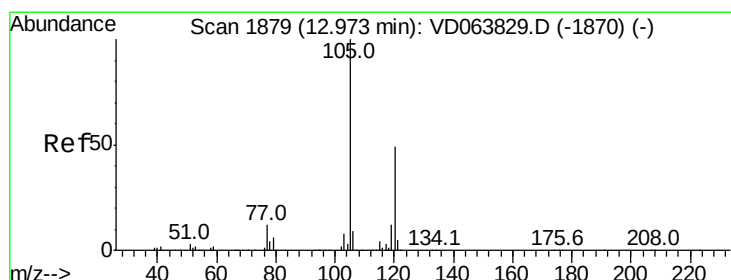
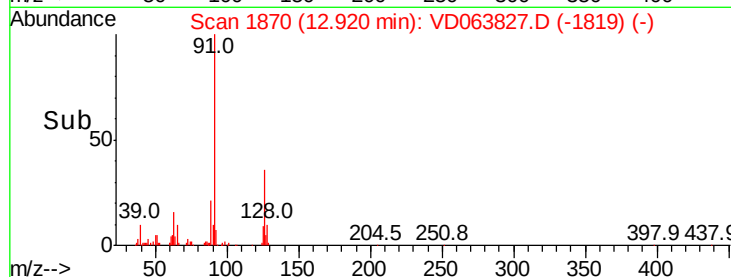
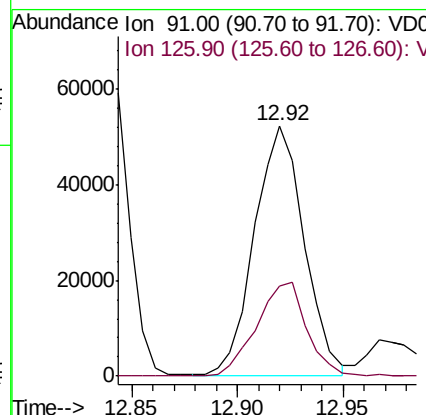
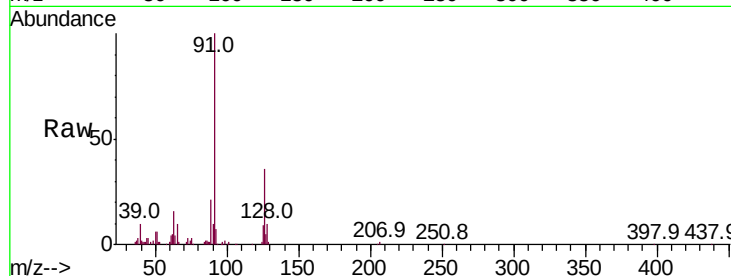




#79
 2-Chlorotoluene
 Concen: 10.638 ug/l
 RT: 12.92 min Scan# 1870
 Delta R.T. 0.00 min
 Lab File: VD063827.D
 Acq: 25 Sep 2019 17:25

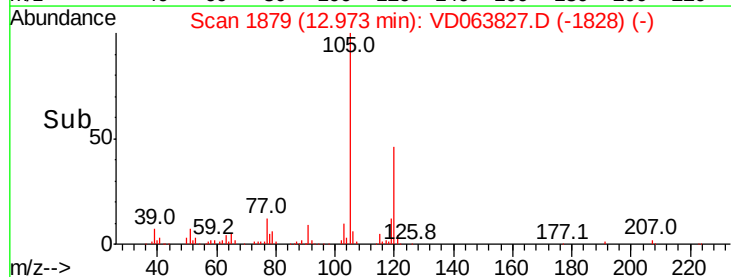
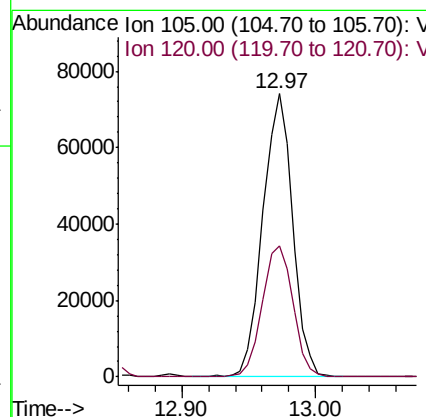
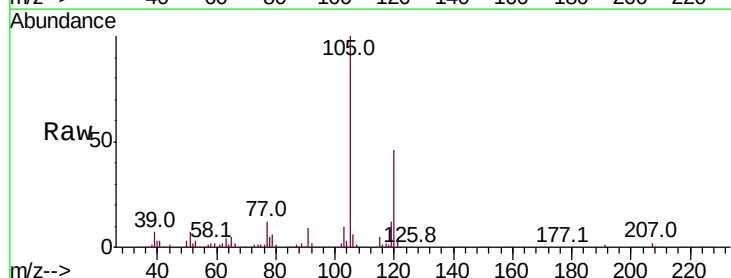
Instrument :
 MSVOA_D
 ClientSampleId :

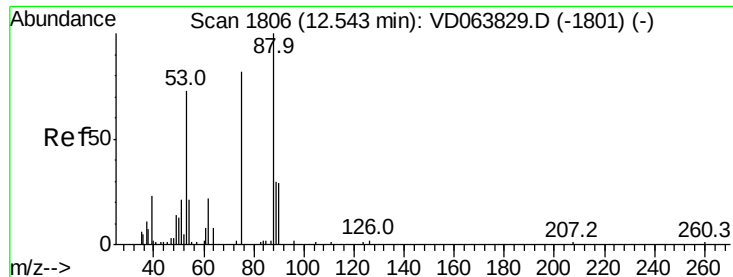
Tot Ion: 91 Resp: 85400
 Ion Ratio Lower Upper
 91 100
 126 38.0 17.8 53.5



#80
 1,3,5-Trimethylbenzene
 Concen: 10.850 ug/l
 RT: 12.97 min Scan# 1879
 Delta R.T. 0.00 min
 Lab File: VD063827.D
 Acq: 25 Sep 2019 17:25

Tgt Ion: 105 Resp: 114416
 Ion Ratio Lower Upper
 105 100
 120 47.7 24.9 74.8





#81

trans-1,4-Dichloro-2-butene

Concen: 10.016 ug/l

RT: 12.54 min Scan# 1805

Delta R.T. -0.01 min

Lab File: VD063827.D

Acq: 25 Sep 2019 17:25

Instrument :

MSVOA_D

ClientSampleId :

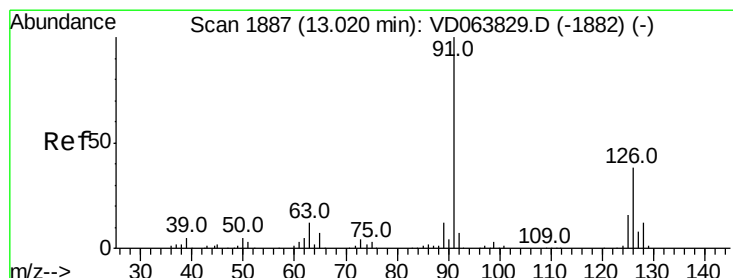
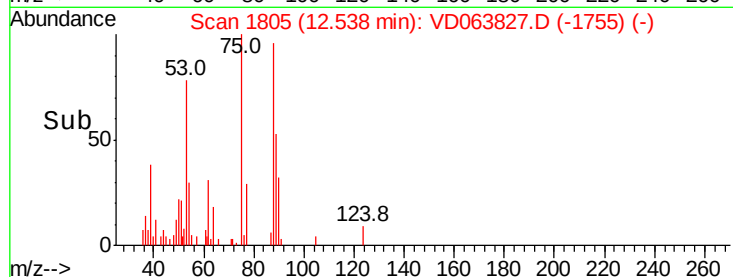
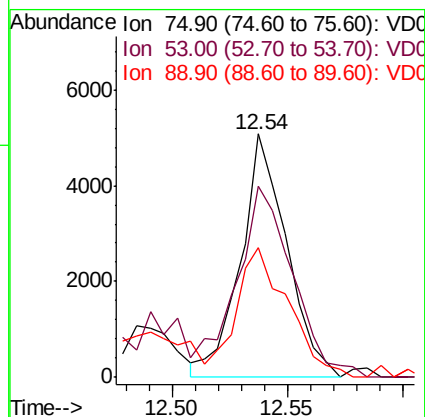
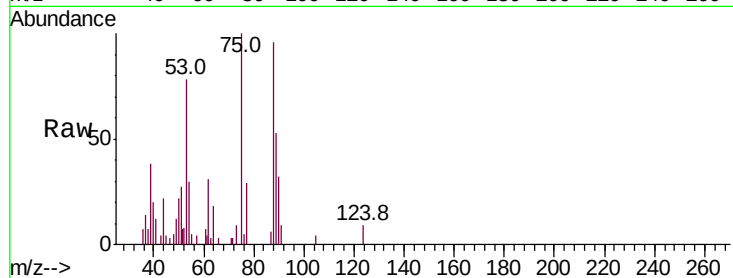
Tot Ion: 75 Resp: 7043

Ion Ratio Lower Upper

75 100

53 96.5 76.5 114.7

89 60.4 37.0 55.6#



#82

4-Chlorotoluene

Concen: 10.785 ug/l

RT: 13.02 min Scan# 1887

Delta R.T. 0.00 min

Lab File: VD063827.D

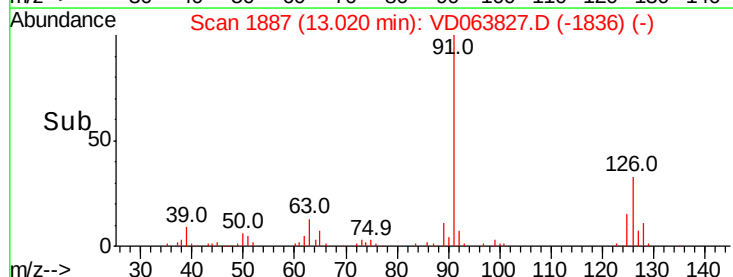
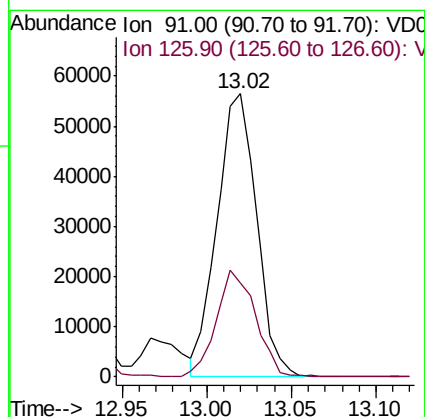
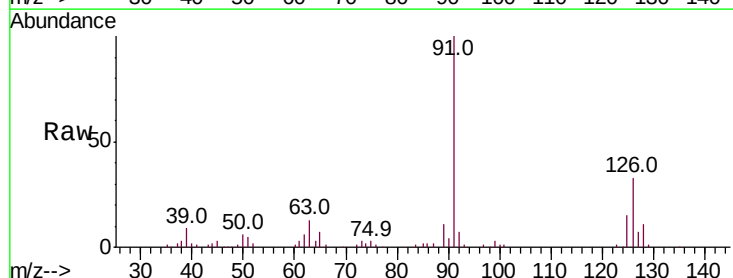
Acq: 25 Sep 2019 17:25

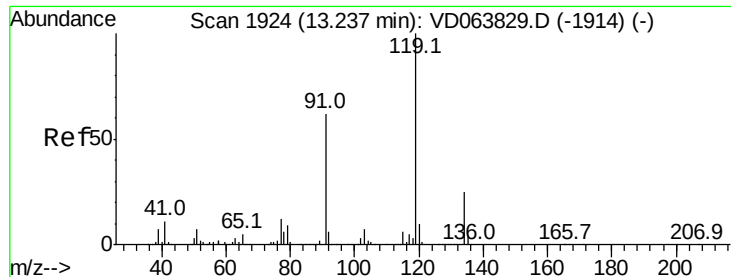
Tgt Ion: 91 Resp: 92355

Ion Ratio Lower Upper

91 100

126 37.4 18.6 55.6

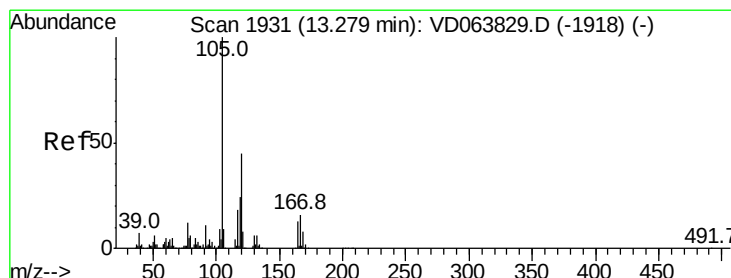
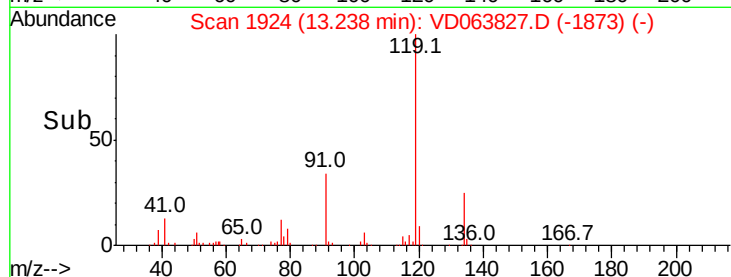
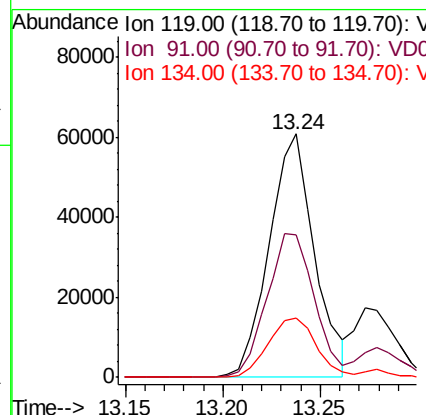
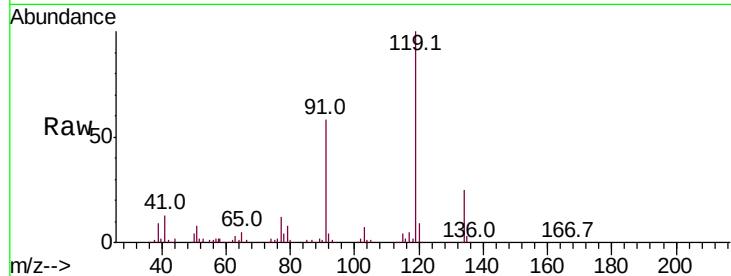




#83
 tert-Butylbenzene
 Concen: 10.629 ug/l
 RT: 13.24 min Scan# 1924
 Delta R.T. 0.00 min
 Lab File: VD063827.D
 Acq: 25 Sep 2019 17:25

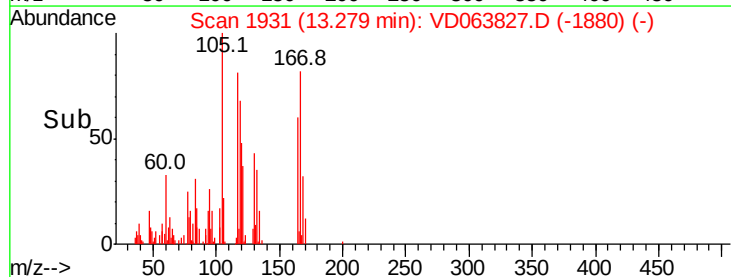
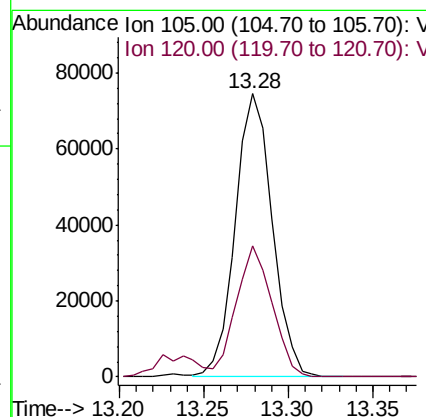
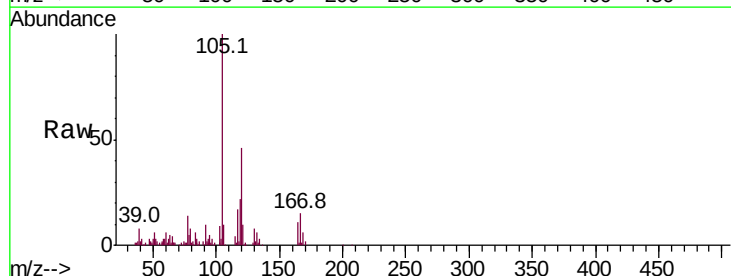
Instrument :
 MSVOA_D
 ClientSampleId :

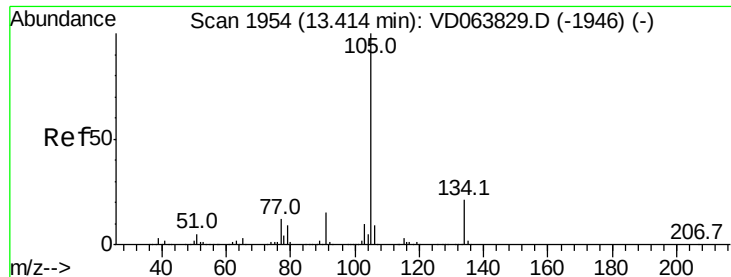
Tot Ion:119 Resp: 97938
 Ion Ratio Lower Upper
 119 100
 91 61.7 30.8 92.3
 134 25.8 13.2 39.6



#84
 1,2,4-Trimethylbenzene
 Concen: 10.608 ug/l
 RT: 13.28 min Scan# 1931
 Delta R.T. 0.00 min
 Lab File: VD063827.D
 Acq: 25 Sep 2019 17:25

Tgt Ion:105 Resp: 113569
 Ion Ratio Lower Upper
 105 100
 120 44.6 23.0 69.0





#85

sec-Butylbenzene

Concen: 10.724 ug/l

RT: 13.41 min Scan# 1954

Delta R.T. 0.00 min

Lab File: VD063827.D

Acq: 25 Sep 2019 17:25

Instrument :

MSVOA_D

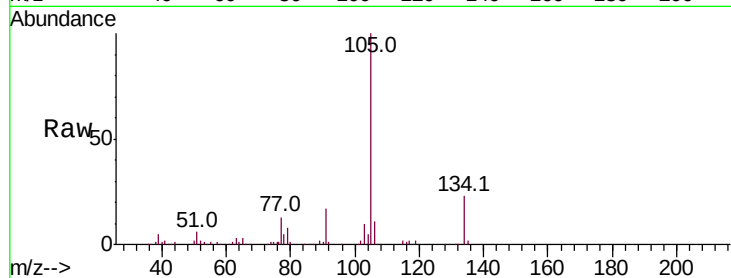
ClientSampleId :

Tot Ion:105 Resp: 137505

Ion Ratio Lower Upper

105 100

134 21.1 10.7 31.9

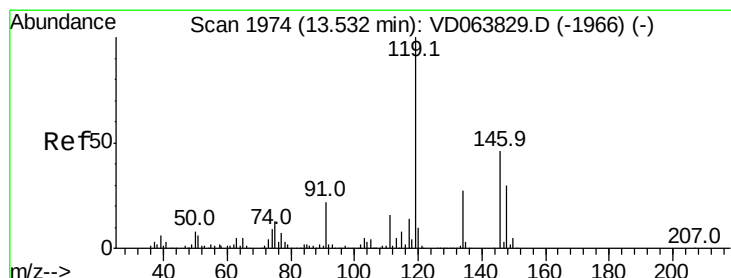
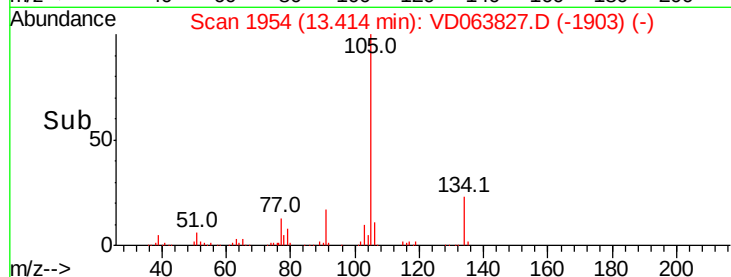


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.41

Time--> 13.30 13.40



#86

p-Isopropyltoluene

Concen: 10.308 ug/l

RT: 13.53 min Scan# 1974

Delta R.T. 0.00 min

Lab File: VD063827.D

Acq: 25 Sep 2019 17:25

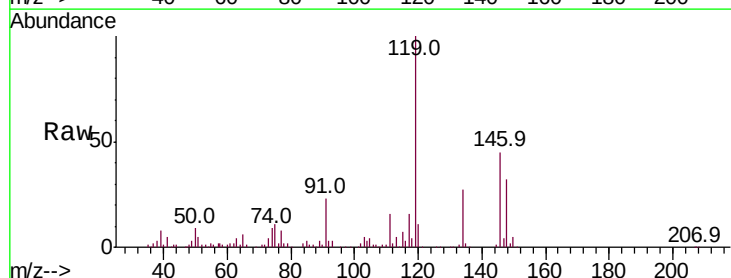
Tgt Ion:119 Resp: 124125

Ion Ratio Lower Upper

119 100

134 26.2 13.2 39.6

91 23.4 11.4 34.1



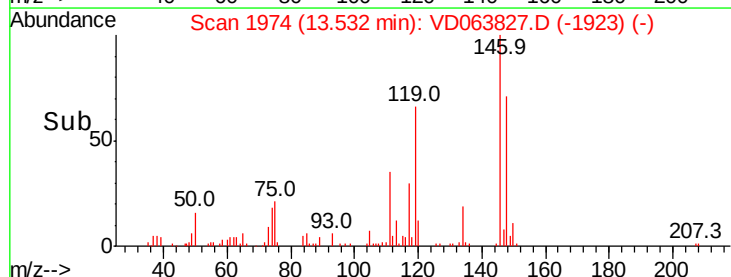
Abundance Ion 119.00 (118.70 to 119.70): V

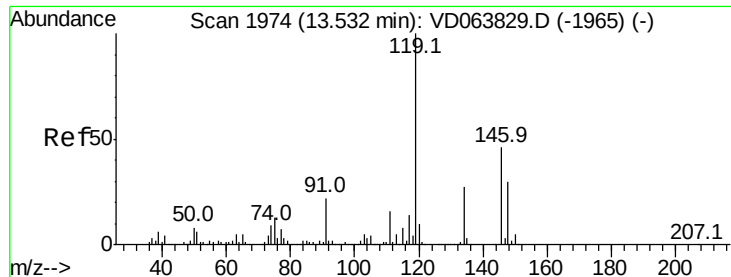
Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.53

Time--> 13.45 13.50 13.55 13.60





#87

1,3-Dichlorobenzene

Concen: 10.325 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. -0.01 min

Lab File: VD063827.D

Acq: 25 Sep 2019 17:25

Instrument :

MSVOA_D

ClientSampleId :

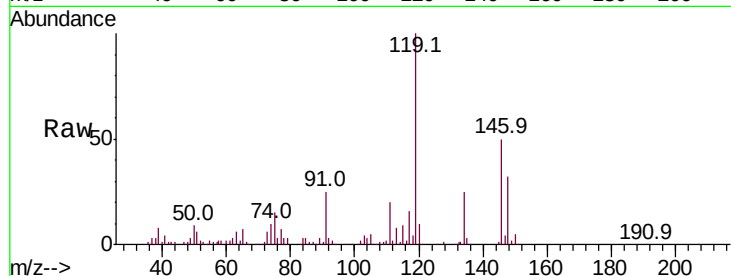
Tot Ion:146 Resp: 61630

Ion Ratio Lower Upper

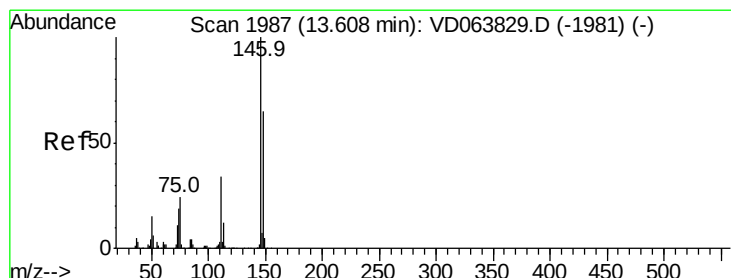
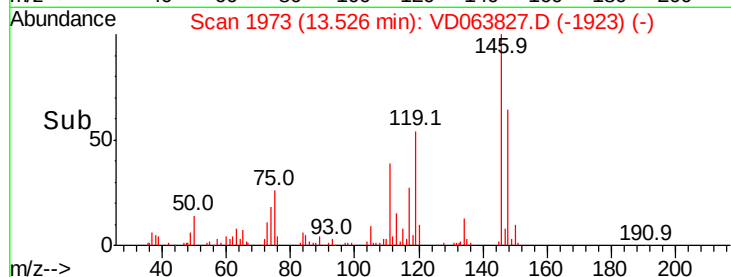
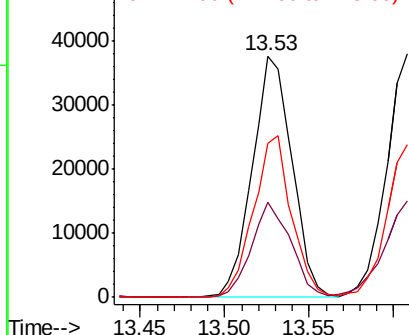
146 100

111 39.0 18.3 54.8

148 64.2 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: 10.425 ug/l

RT: 13.61 min Scan# 1987

Delta R.T. 0.00 min

Lab File: VD063827.D

Acq: 25 Sep 2019 17:25

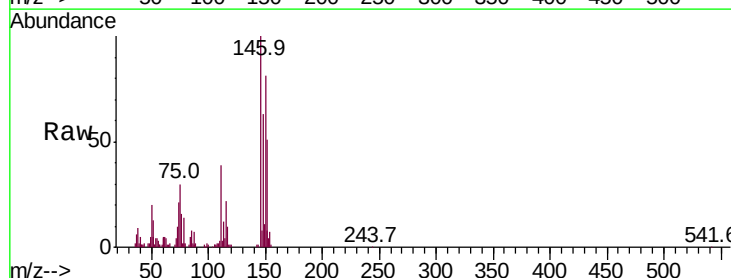
Tgt Ion:146 Resp: 61888

Ion Ratio Lower Upper

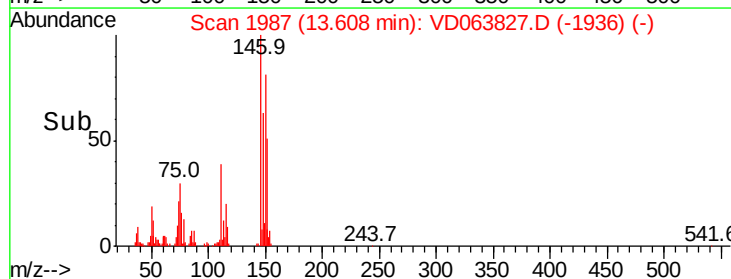
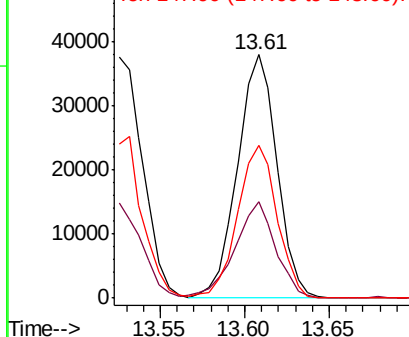
146 100

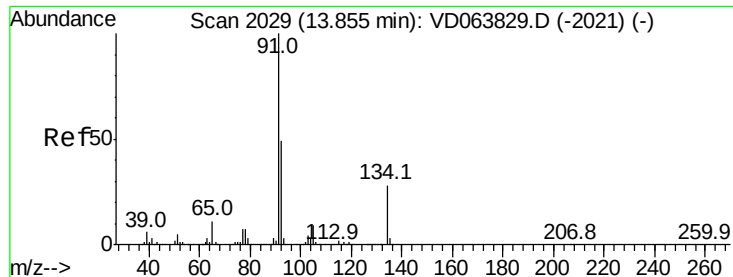
111 40.9 18.5 55.5

148 63.0 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

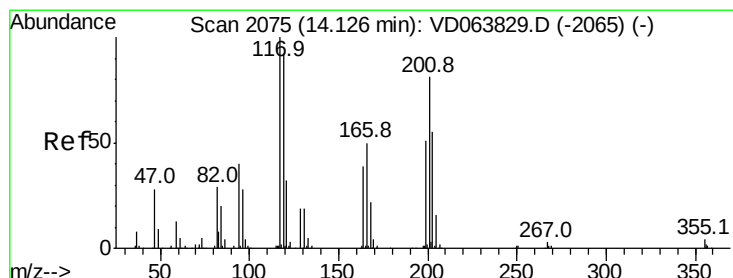
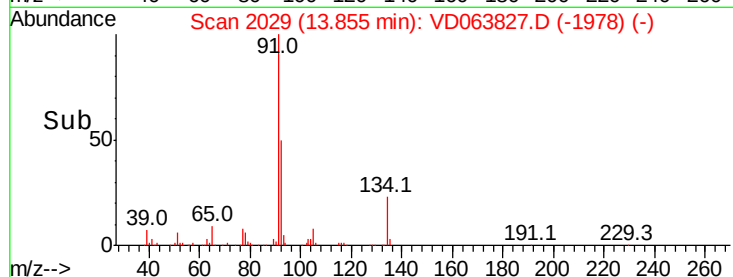
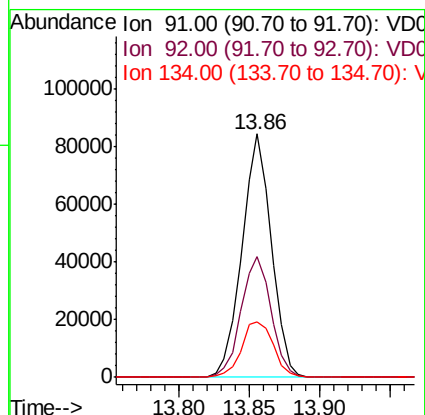
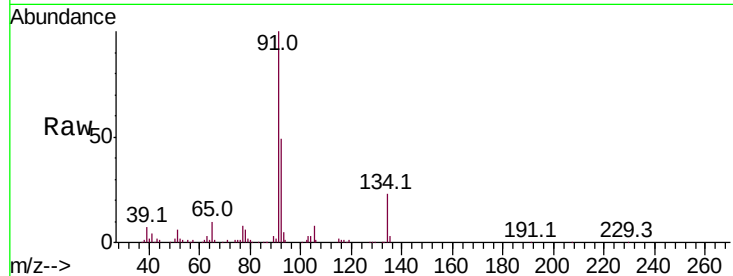




#89
n-Butylbenzene
Concen: 10.732 ug/l
RT: 13.86 min Scan# 2029
Delta R.T. 0.00 min
Lab File: VD063827.D
Acq: 25 Sep 2019 17:25

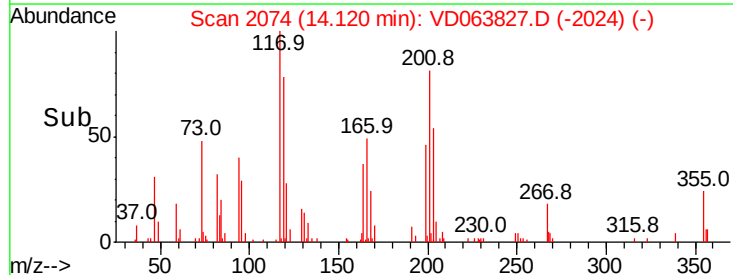
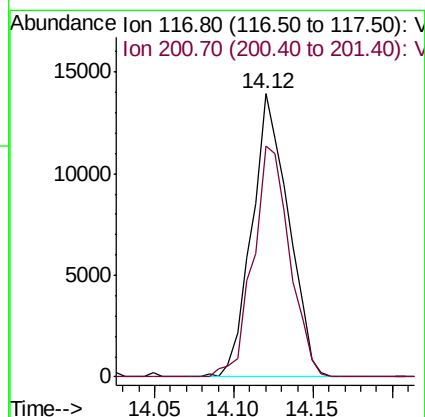
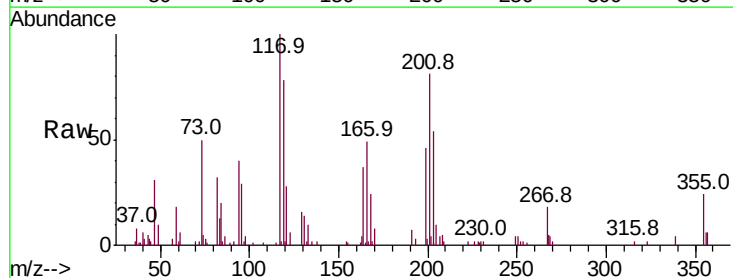
Instrument :
MSVOA_D
ClientSampled :

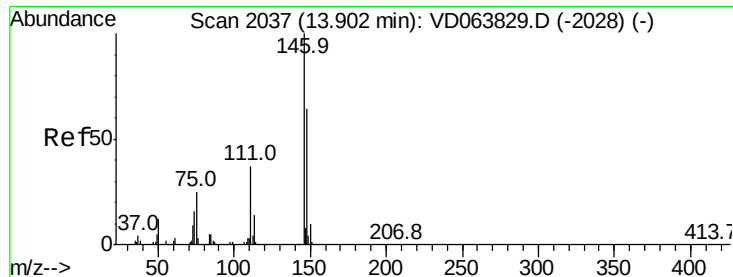
Tot Ion: 91 Resp: 123001
Ion Ratio Lower Upper
91 100
92 50.2 26.1 78.2
134 24.9 14.0 41.9



#90
Hexachloroethane
Concen: 10.050 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. -0.01 min
Lab File: VD063827.D
Acq: 25 Sep 2019 17:25

Tgt Ion: 117 Resp: 22415
Ion Ratio Lower Upper
117 100
201 81.4 39.3 117.8

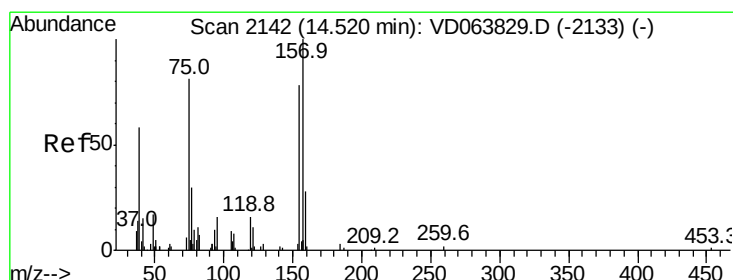
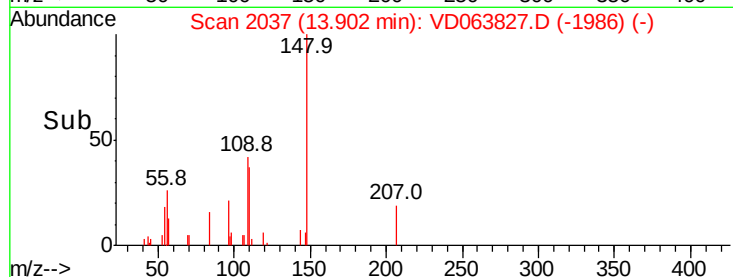
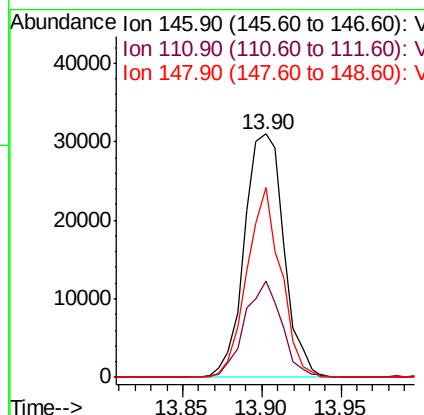
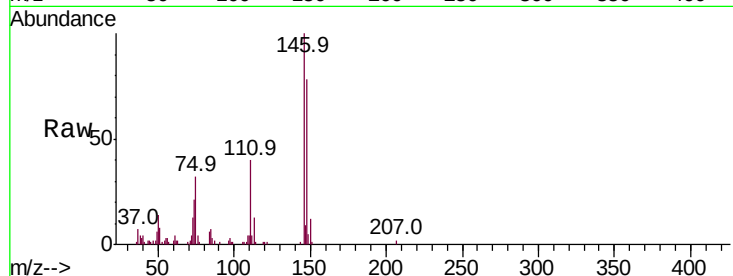




#91
 1,2-Dichlorobenzene
 Concen: 10.468 ug/l
 RT: 13.90 min Scan# 2037
 Delta R.T. 0.00 min
 Lab File: VD063827.D
 Acq: 25 Sep 2019 17:25

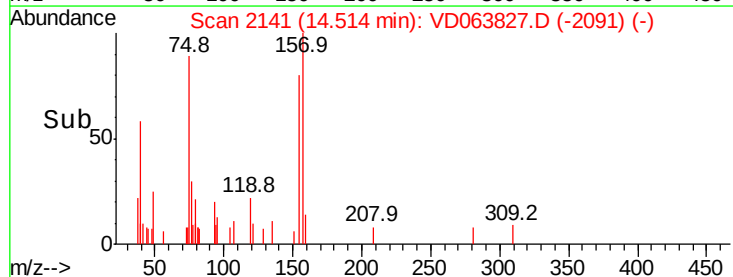
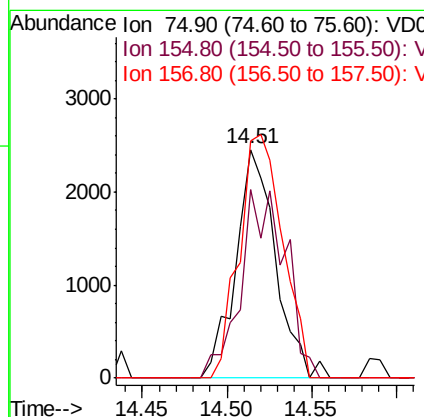
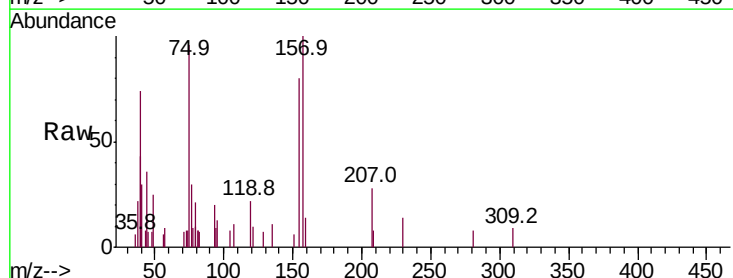
Instrument :
 MSVOA_D
 ClientSampleId :

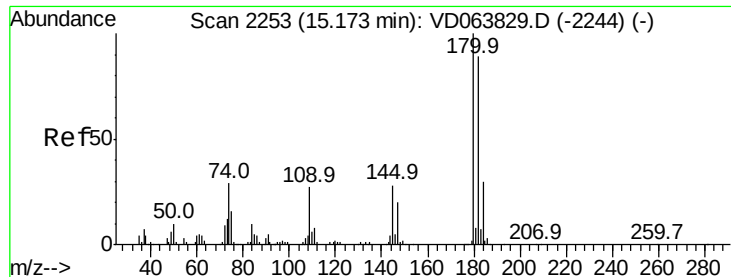
Tot Ion	Ratio	Lower	Upper
146	100		
111	37.5	18.9	56.7
148	67.0	32.2	96.6



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 11.336 ug/l
 RT: 14.51 min Scan# 2141
 Delta R.T. -0.01 min
 Lab File: VD063827.D
 Acq: 25 Sep 2019 17:25

Tgt Ion	Ratio	Lower	Upper
75	100		
155	92.6	48.0	144.0
157	116.7	63.2	189.8

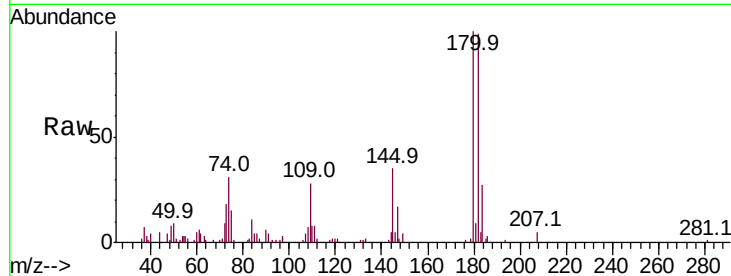




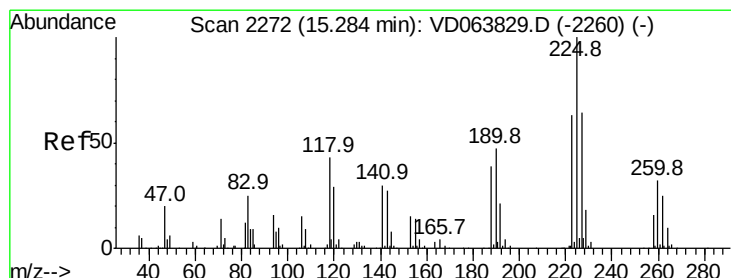
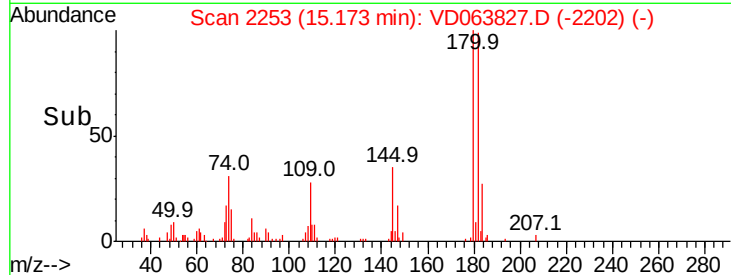
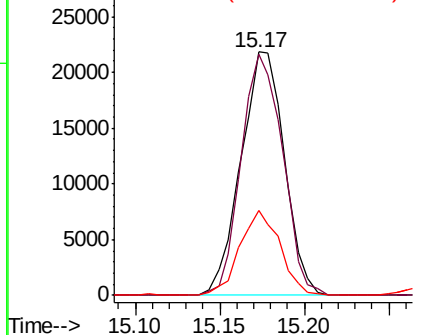
#93
 1,2,4-Trichlorobenzene
 Concen: 10.077 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. 0.00 min
 Lab File: VD063827.D
 Acq: 25 Sep 2019 17:25

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.3	46.5	139.5
145	32.2	14.4	43.4

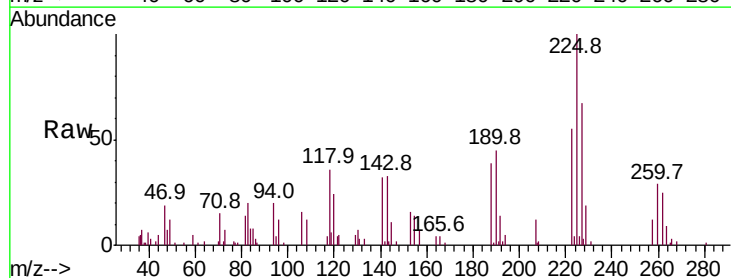


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

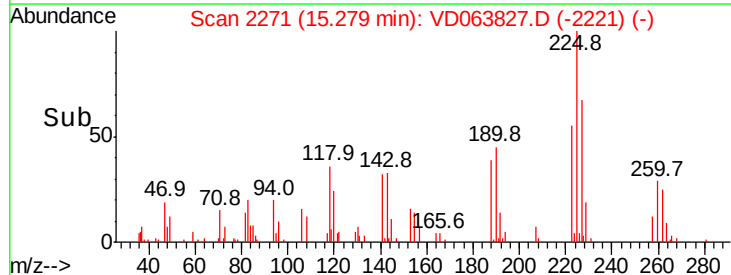
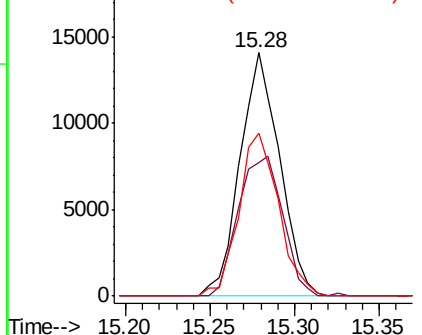


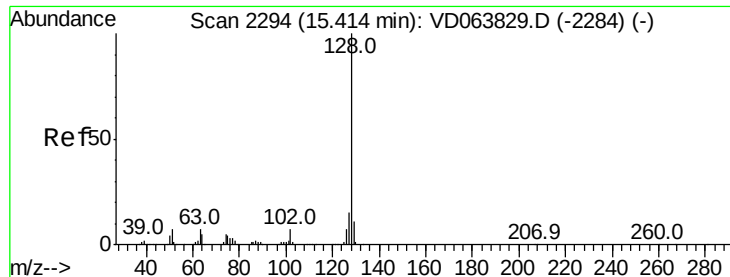
#94
 Hexachlorobutadiene
 Concen: 10.460 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. -0.01 min
 Lab File: VD063827.D
 Acq: 25 Sep 2019 17:25

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.4	32.8	98.3
227	67.2	32.8	98.3



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

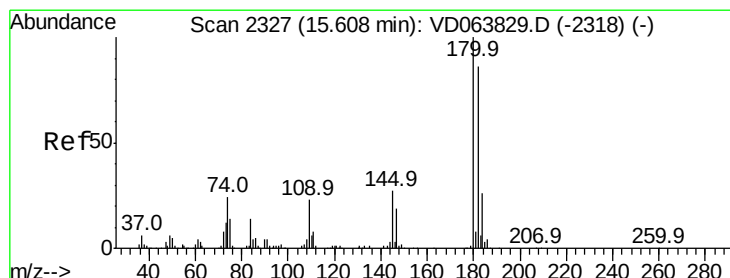
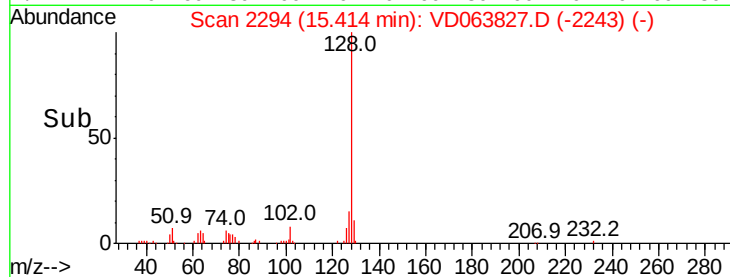
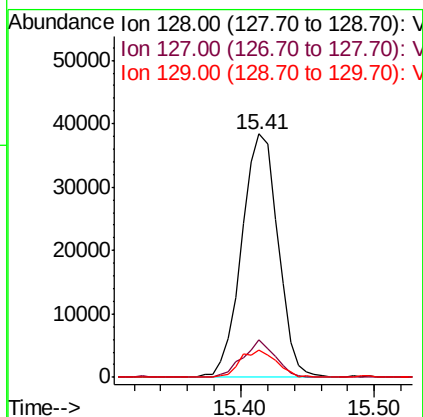
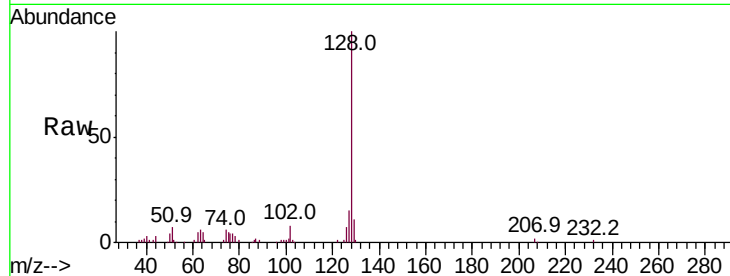




#95
Naphthalene
Concen: 10.298 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. 0.00 min
Lab File: VD063827.D
Acq: 25 Sep 2019 17:25

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:128 Resp: 71907
Ion Ratio Lower Upper
128 100
127 13.7 10.8 16.2
129 11.1 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 10.100 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. 0.00 min
Lab File: VD063827.D
Acq: 25 Sep 2019 17:25

Tgt Ion:180 Resp: 34818
Ion Ratio Lower Upper
180 100
182 99.7 46.6 139.7
145 31.0 14.5 43.5

