

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD012921\
 Data File : VD068235.D
 Acq On : 29 Jan 2021 13:00
 Operator : VA/SY
 Sample : VD0129SBL01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0129SBL01

Quant Time: Jan 30 00:01:19 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D011921S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 19 13:19:08 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

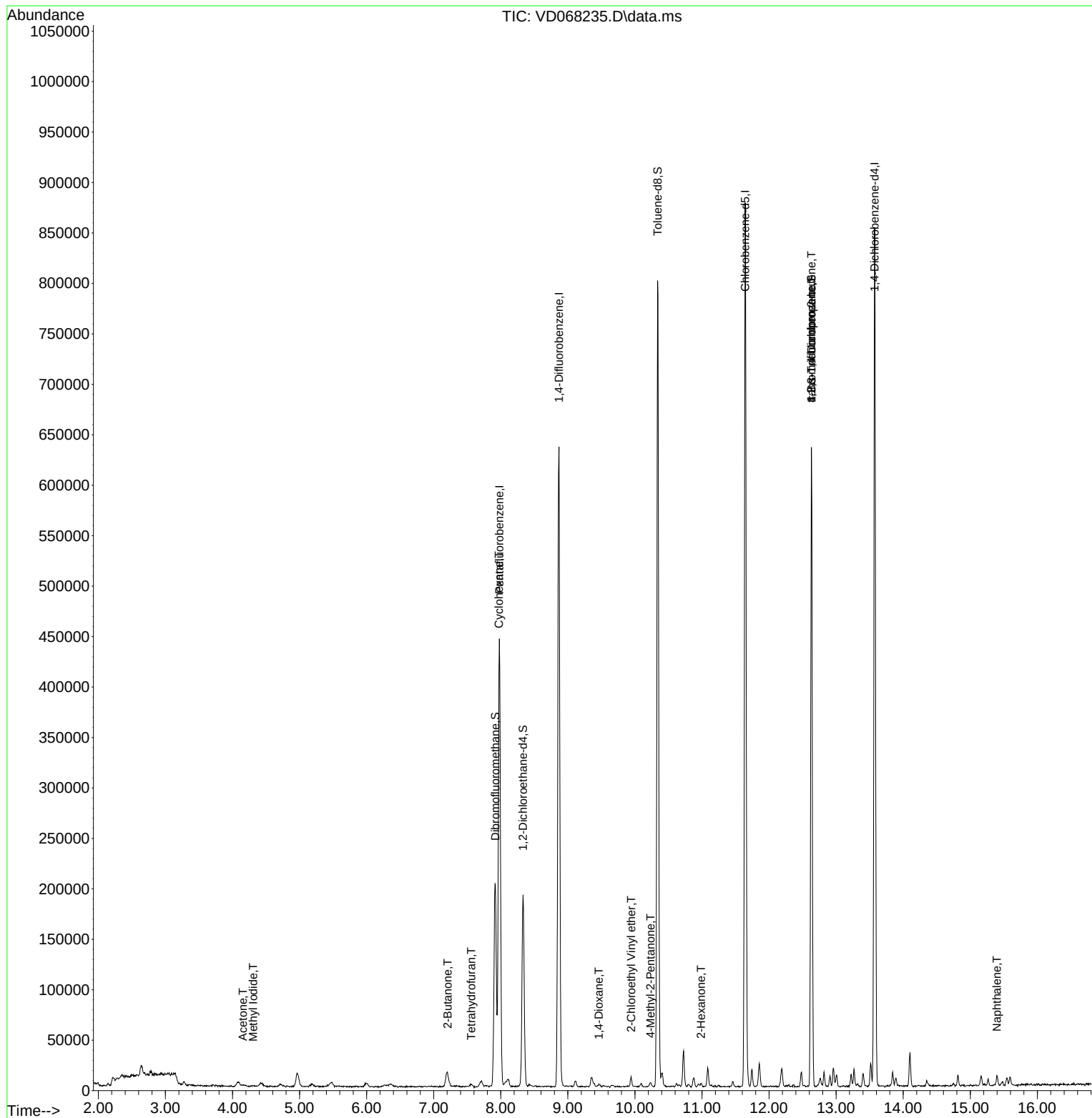
Internal Standards						
1) Pentafluorobenzene	7.979	168	333405	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	577190	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.643	117	518063	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.573	152	229157	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	151249	47.42	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	94.84%		
35) Dibromofluoromethane	7.920	113	151990	47.63	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	95.26%		
50) Toluene-d8	10.338	98	563471	44.14	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	88.28%		
62) 4-Bromofluorobenzene	12.632	95	202678	44.09	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	88.18%		
Target Compounds						Qvalue
10) Methyl Iodide	4.309	142	1422	3.49	ug/l #	90
11) Tert butyl alcohol	5.197	59	2488	Below Cal	#	74
16) Acetone	4.156	43	2930	5.15	ug/l #	76
20) Methylene Chloride	4.961	84	11337	Below Cal		89
25) 2-Butanone	7.208	43	2855	3.33	ug/l #	86
29) Tetrahydrofuran	7.561	42	1198	2.16	ug/l #	46
31) Cyclohexane	7.973	56	10747	1.56	ug/l #	58
49) 1,4-Dioxane	9.461	88	160	6.76	ug/l #	80
51) 4-Methyl-2-Pentanone	10.232	43	3593	1.80	ug/l #	78
58) 2-Chloroethyl Vinyl ether	9.944	63	4551	2.59	ug/l #	79
59) 2-Hexanone	10.985	43	2792	2.02	ug/l	90
76) 1,2,3-Trichloropropane	12.632	75	102917	46.45	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.632	75	102917	93.99	ug/l #	13
95) Naphthalene	15.396	128	9197	1.06	ug/l #	94

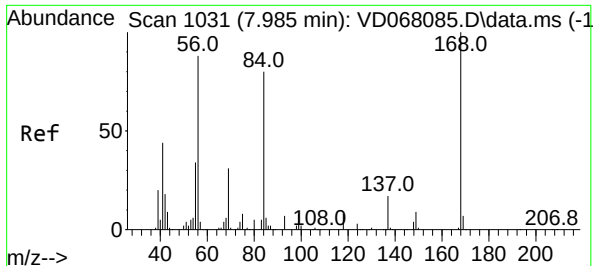
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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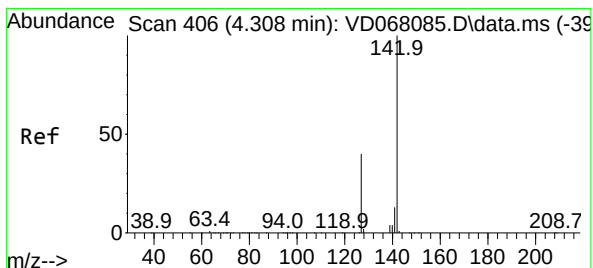
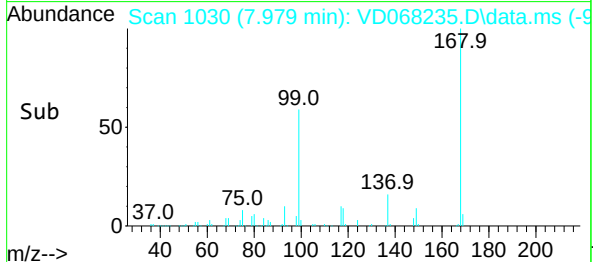
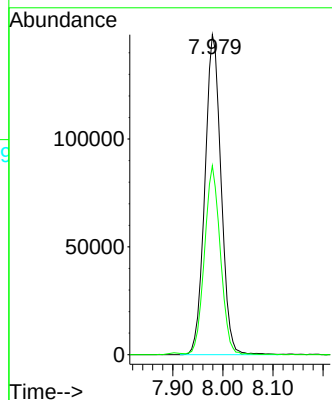
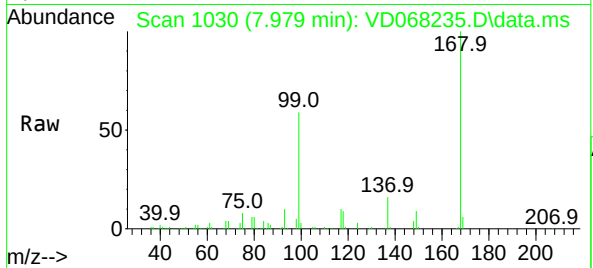




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD068235.D
Acq: 29 Jan 2021 13:00

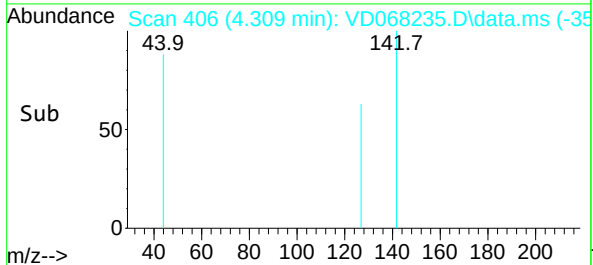
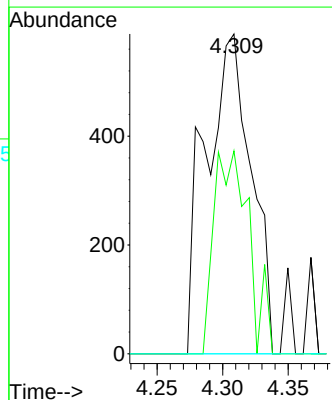
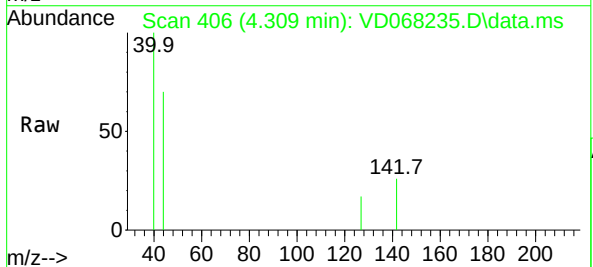
Instrument :
MSVOA_D
ClientSampleId :
VD0129SBL01

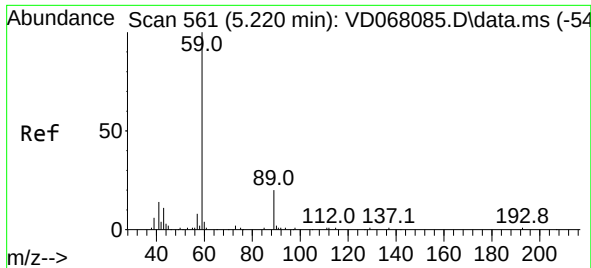
Tgt Ion:168 Resp: 333405
Ion Ratio Lower Upper
168 100
99 58.9 43.5 65.3



#10
Methyl Iodide
Concen: 3.49 ug/l
RT: 4.309 min Scan# 406
Delta R.T. 0.001 min
Lab File: VD068235.D
Acq: 29 Jan 2021 13:00

Tgt Ion:142 Resp: 1422
Ion Ratio Lower Upper
142 100
127 48.6 37.9 56.9
141 0.0 11.5 17.3#

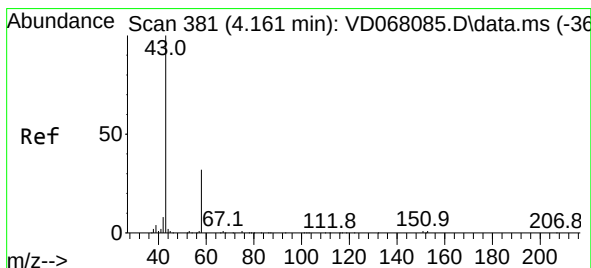
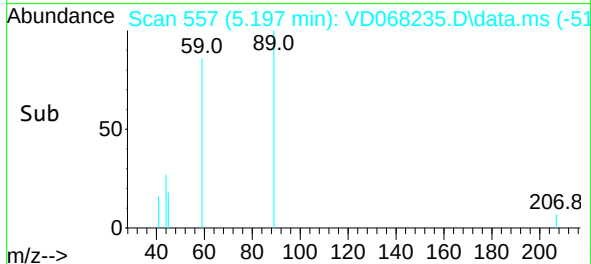
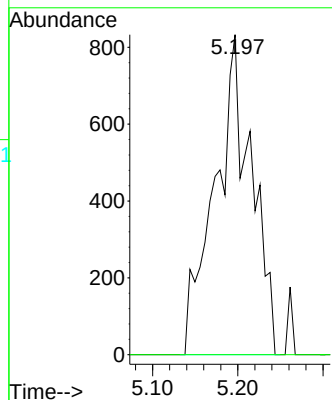
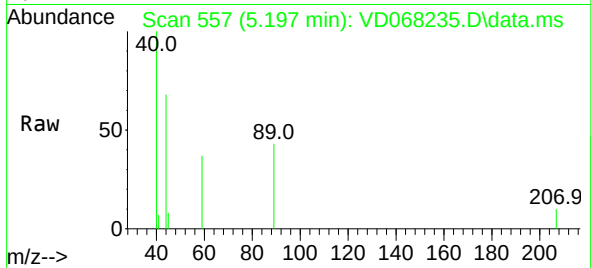




#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.197 min Scan# 557
Delta R.T. -0.023 min
Lab File: VD068235.D
Acq: 29 Jan 2021 13:00

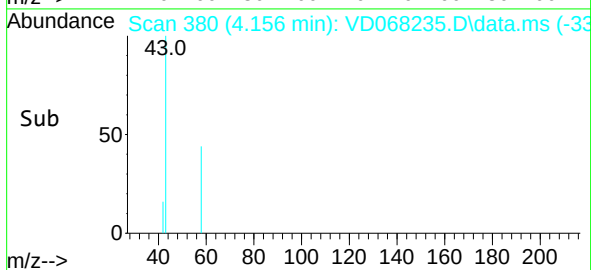
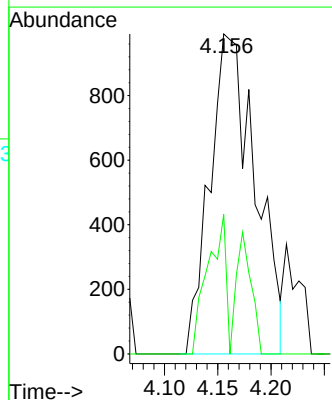
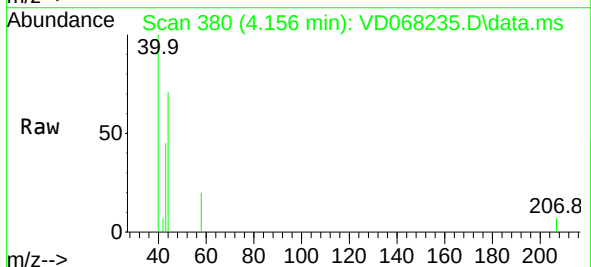
Instrument :
MSVOA_D
ClientSampleId :
VD0129SBL01

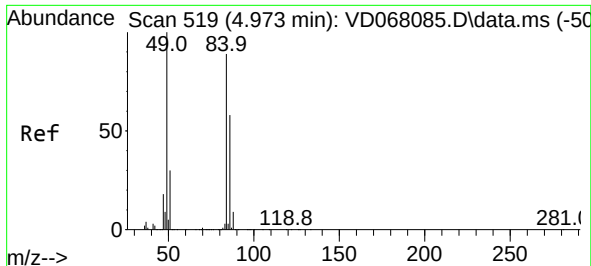
Tgt Ion: 59 Resp: 2488
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.2#



#16
Acetone
Concen: 5.15 ug/l
RT: 4.156 min Scan# 380
Delta R.T. -0.006 min
Lab File: VD068235.D
Acq: 29 Jan 2021 13:00

Tgt Ion: 43 Resp: 2930
Ion Ratio Lower Upper
43 100
58 43.6 24.2 36.4#

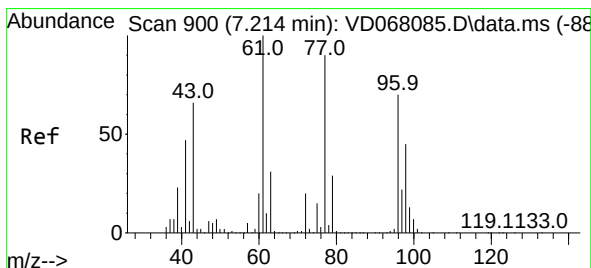
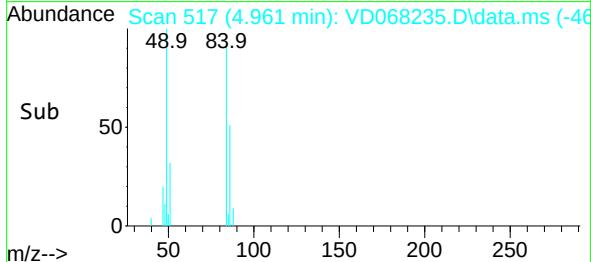
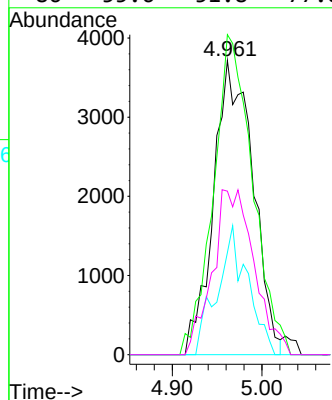
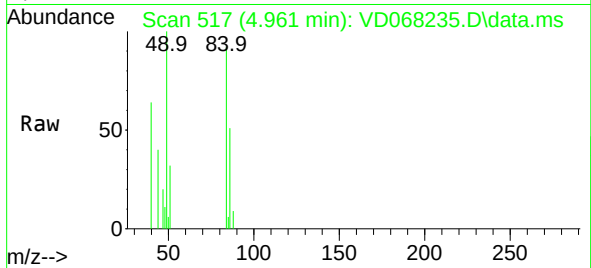




#20
Methylene Chloride
Concen: Below Cal
RT: 4.961 min Scan# 517
Delta R.T. -0.012 min
Lab File: VD068235.D
Acq: 29 Jan 2021 13:00

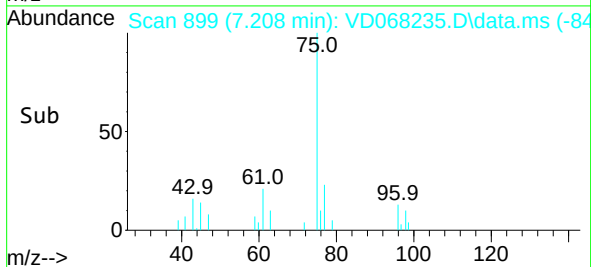
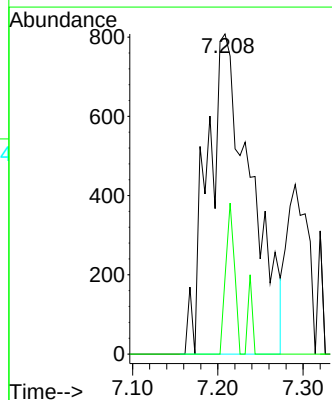
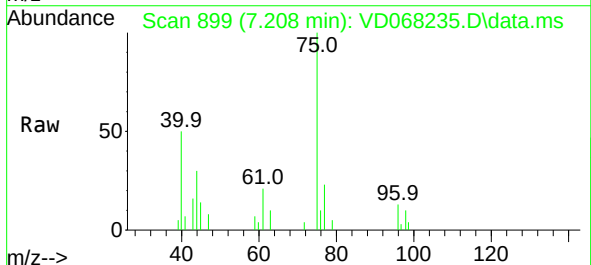
Instrument :
MSVOA_D
ClientSampleID :
VD0129SBL01

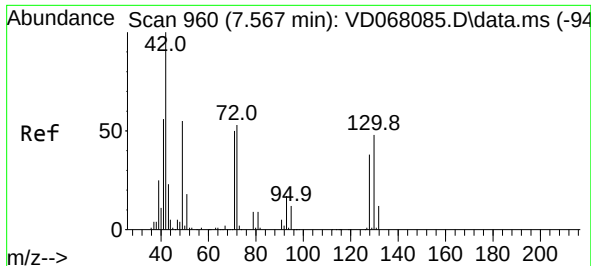
Tgt Ion:	84	Resp:	11337
Ion	Ratio	Lower	Upper
84	100		
49	108.8	77.4	116.2
51	34.7	26.1	39.1
86	55.6	51.8	77.8



#25
2-Butanone
Concen: 3.33 ug/l
RT: 7.208 min Scan# 899
Delta R.T. -0.006 min
Lab File: VD068235.D
Acq: 29 Jan 2021 13:00

Tgt Ion:	43	Resp:	2855
Ion	Ratio	Lower	Upper
43	100		
72	23.8	25.1	37.7#





#29

Tetrahydrofuran

Concen: 2.16 ug/l

RT: 7.561 min Scan# 959

Delta R.T. -0.006 min

Lab File: VD068235.D

Acq: 29 Jan 2021 13:00

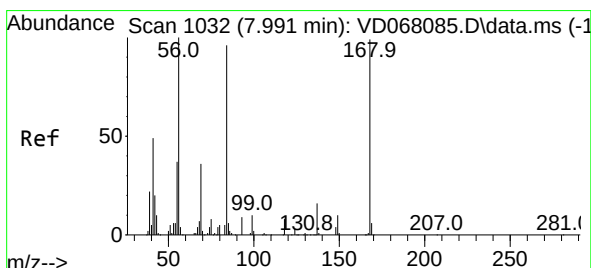
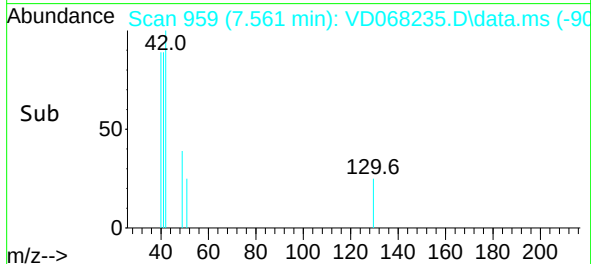
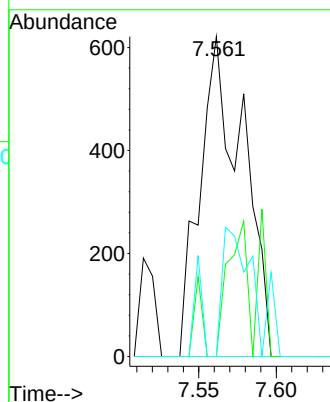
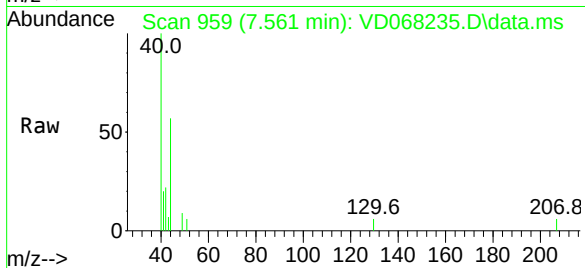
Instrument :

MSVOA_D

ClientSampleId :

VD0129SBL01

Tgt Ion:	42	Resp:	1198
Ion Ratio	Lower	Upper	
42	100		
72	0.0	43.4	65.0#
71	29.6	40.8	61.2#



#31

Cyclohexane

Concen: 1.56 ug/l

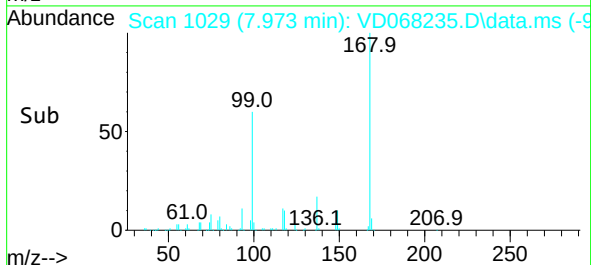
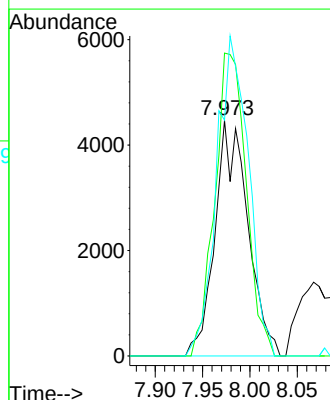
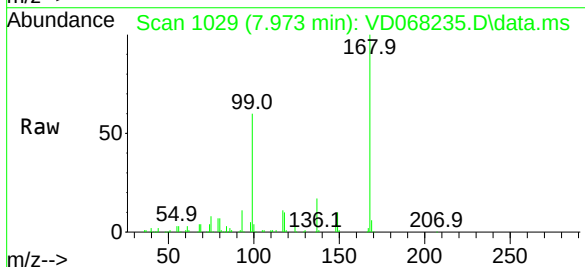
RT: 7.973 min Scan# 1029

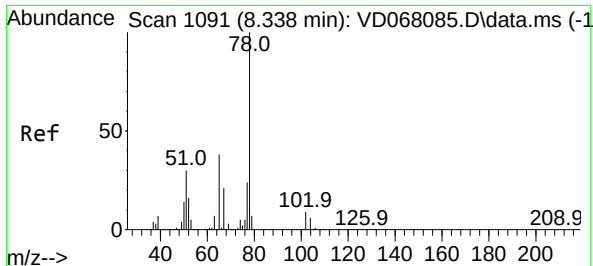
Delta R.T. -0.017 min

Lab File: VD068235.D

Acq: 29 Jan 2021 13:00

Tgt Ion:	56	Resp:	10747
Ion Ratio	Lower	Upper	
56	100		
69	128.5	30.1	45.1#
84	100.1	82.1	123.1

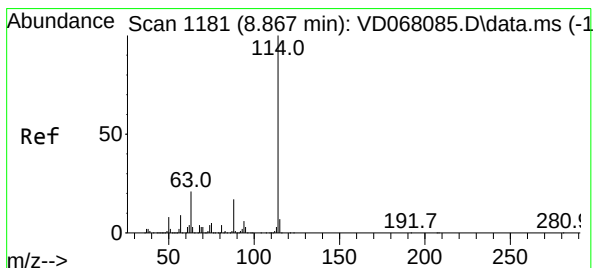
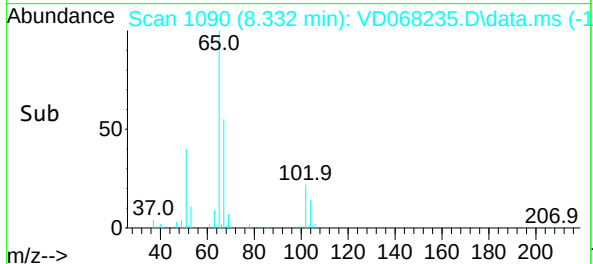
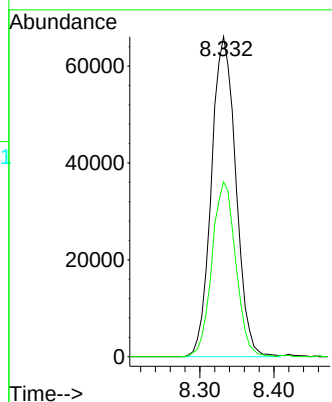
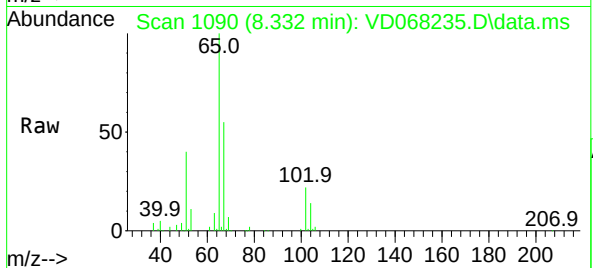




#33
1,2-Dichloroethane-d4
Concen: 47.42 ug/l
RT: 8.332 min Scan# 1090
Delta R.T. -0.006 min
Lab File: VD068235.D
Acq: 29 Jan 2021 13:00

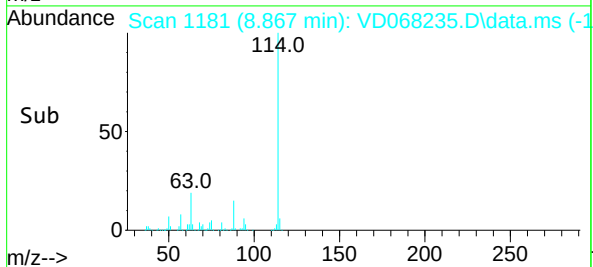
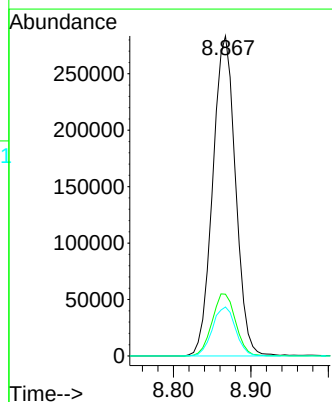
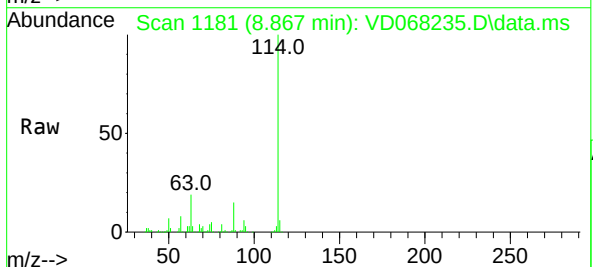
Instrument :
MSVOA_D
ClientSampleId :
VD0129SBL01

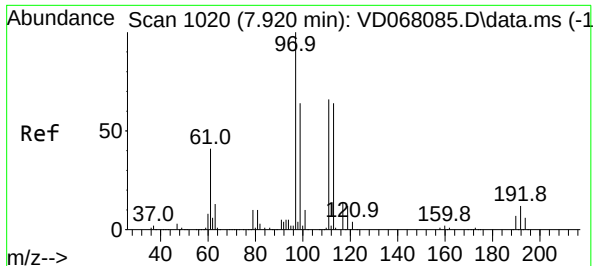
Tgt Ion: 65 Resp: 151249
Ion Ratio Lower Upper
65 100
67 53.1 0.0 105.0



#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.867 min Scan# 1181
Delta R.T. 0.000 min
Lab File: VD068235.D
Acq: 29 Jan 2021 13:00

Tgt Ion: 114 Resp: 577190
Ion Ratio Lower Upper
114 100
63 19.3 0.0 34.8
88 15.3 0.0 31.6





#35

Dibromofluoromethane

Concen: 47.63 ug/l

RT: 7.920 min Scan# 1020

Delta R.T. 0.000 min

Lab File: VD068235.D

Acq: 29 Jan 2021 13:00

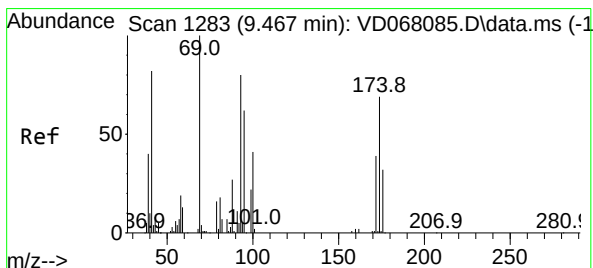
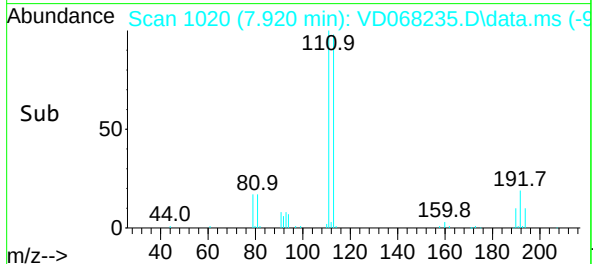
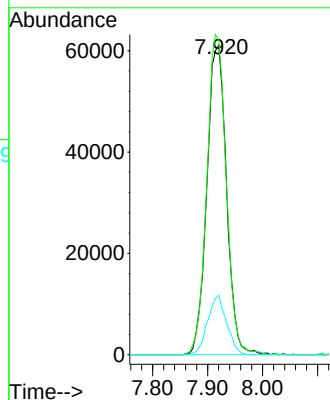
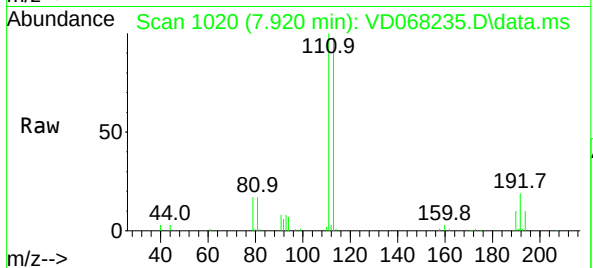
Tgt Ion:113 Resp: 151990

Ion Ratio Lower Upper

113 100

111 102.2 81.4 122.0

192 18.5 16.1 24.1



#49

1,4-Dioxane

Concen: 6.76 ug/l

RT: 9.461 min Scan# 1282

Delta R.T. -0.006 min

Lab File: VD068235.D

Acq: 29 Jan 2021 13:00

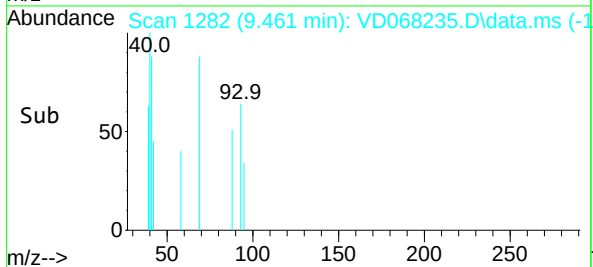
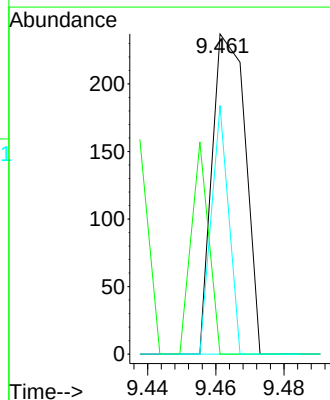
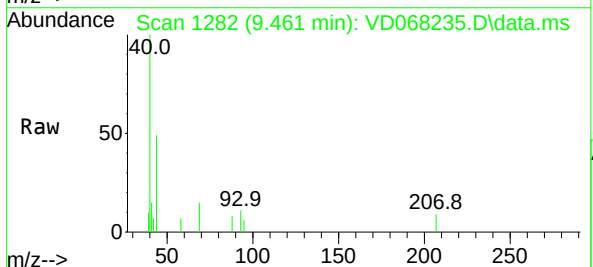
Tgt Ion: 88 Resp: 160

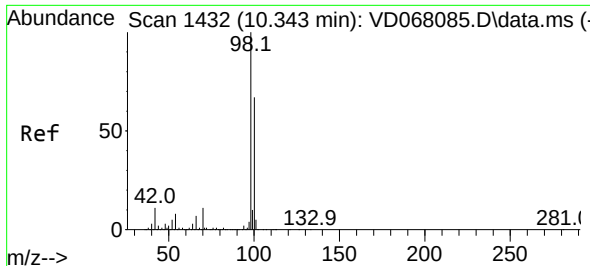
Ion Ratio Lower Upper

88 100

43 34.4 22.1 33.1#

58 40.6 46.7 70.1#

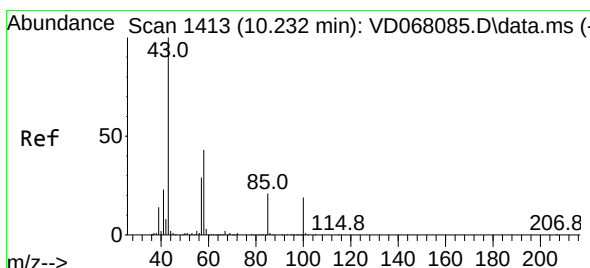
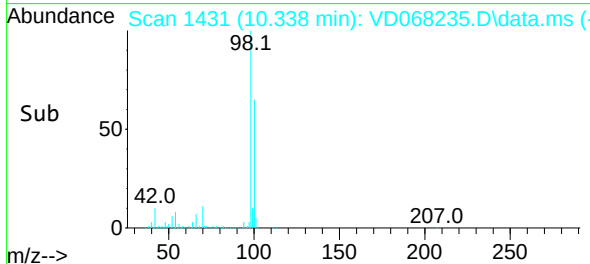
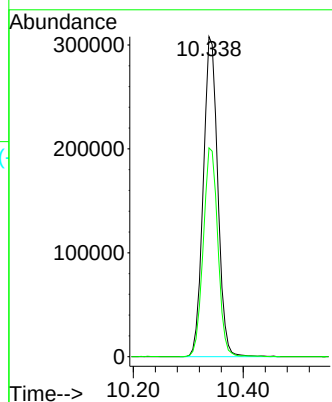
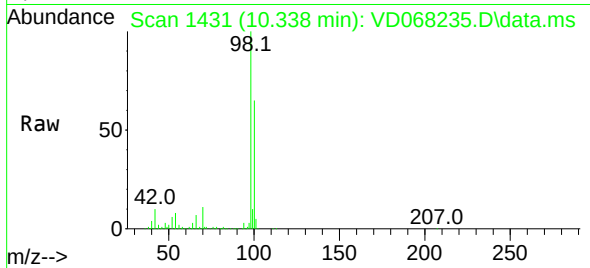




#50
Toluene-d8
Concen: 44.14 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.006 min
Lab File: VD068235.D
Acq: 29 Jan 2021 13:00

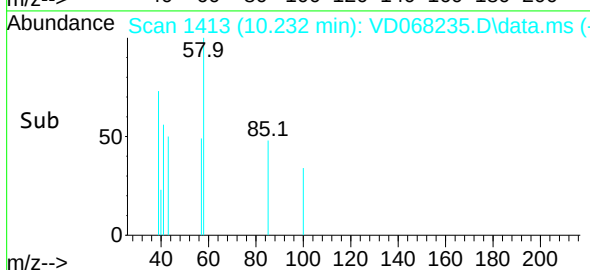
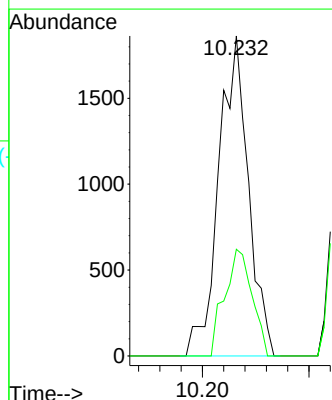
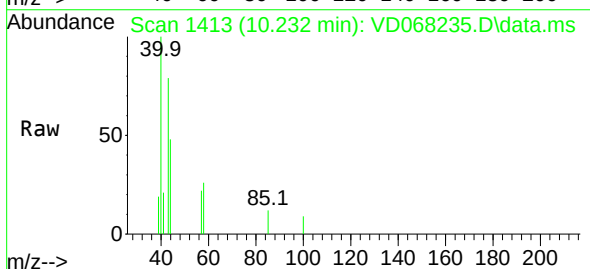
Instrument :
MSVOA_D
ClientSampleId :
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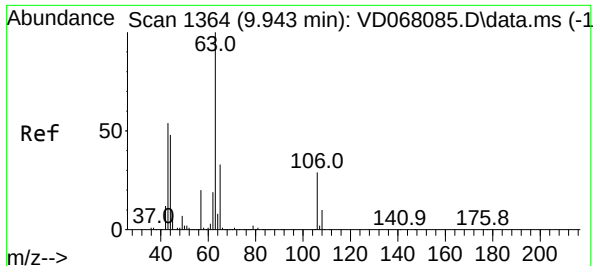
Tgt Ion: 98 Resp: 563471
Ion Ratio Lower Upper
98 100
100 65.9 53.0 79.4



#51
4-Methyl-2-Pentanone
Concen: 1.80 ug/l
RT: 10.232 min Scan# 1413
Delta R.T. 0.000 min
Lab File: VD068235.D
Acq: 29 Jan 2021 13:00

Tgt Ion: 43 Resp: 3593
Ion Ratio Lower Upper
43 100
58 30.8 36.1 54.1#

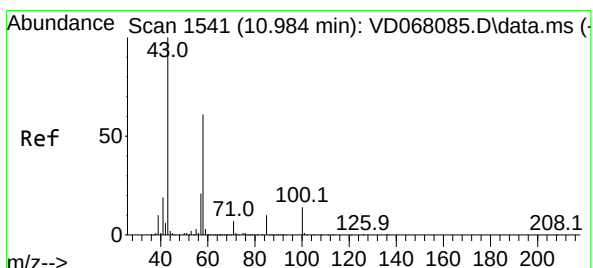
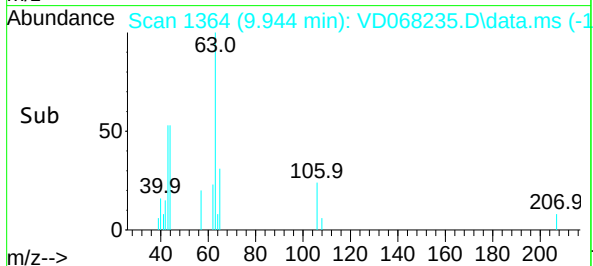
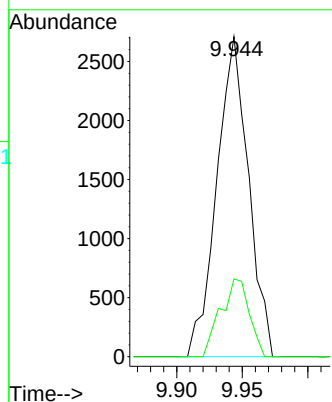
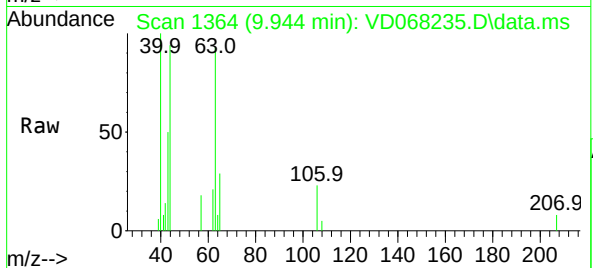




#58
2-Chloroethyl Vinyl ether
Concen: 2.59 ug/l
RT: 9.944 min Scan# 1364
Delta R.T. 0.000 min
Lab File: VD068235.D
Acq: 29 Jan 2021 13:00

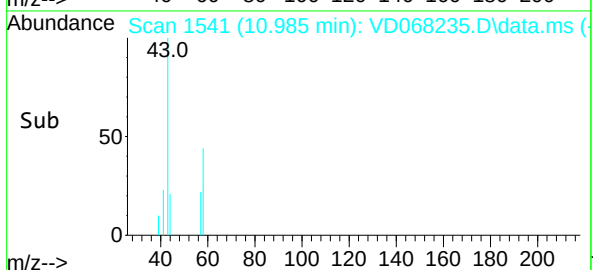
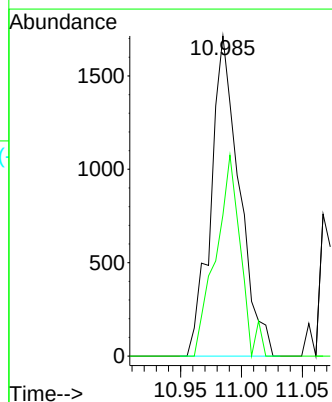
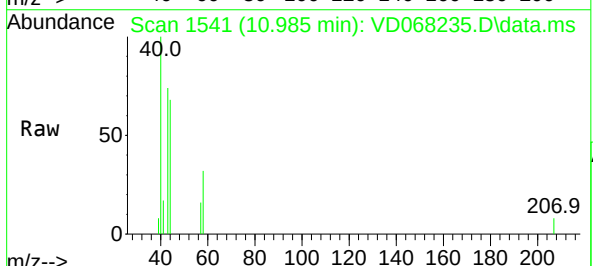
Instrument :
MSVOA_D
ClientSampleId :
VD0129SBL01

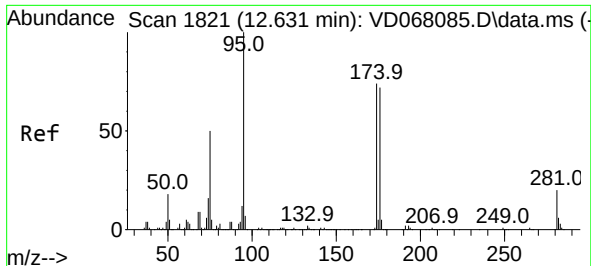
Tgt Ion: 63 Resp: 4551
Ion Ratio Lower Upper
63 100
106 21.9 27.0 40.4#



#59
2-Hexanone
Concen: 2.02 ug/l
RT: 10.985 min Scan# 1541
Delta R.T. 0.000 min
Lab File: VD068235.D
Acq: 29 Jan 2021 13:00

Tgt Ion: 43 Resp: 2792
Ion Ratio Lower Upper
43 100
58 54.5 31.0 93.0

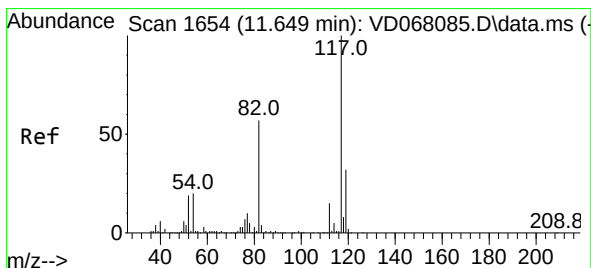
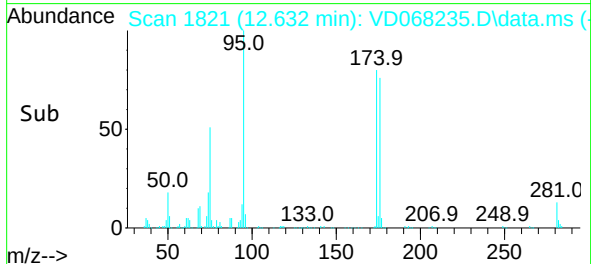
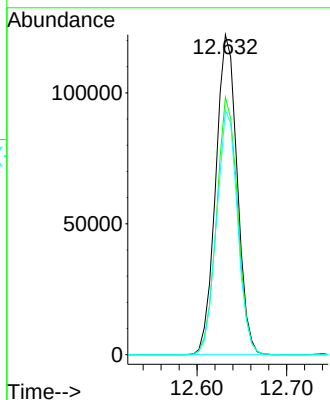
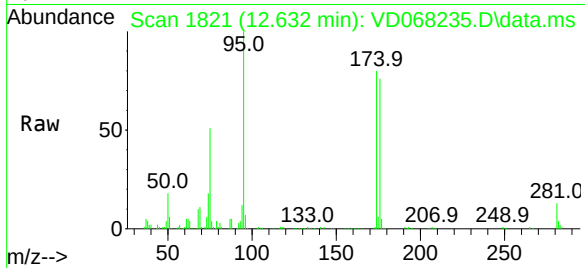




#62
4-Bromofluorobenzene
Concen: 44.09 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. 0.000 min
Lab File: VD068235.D
Acq: 29 Jan 2021 13:00

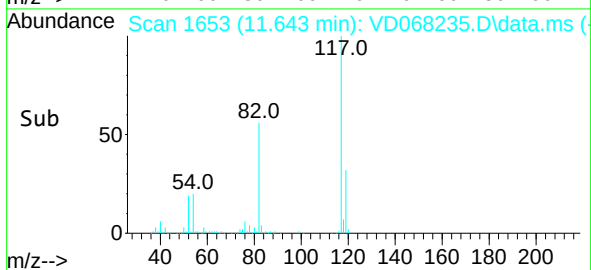
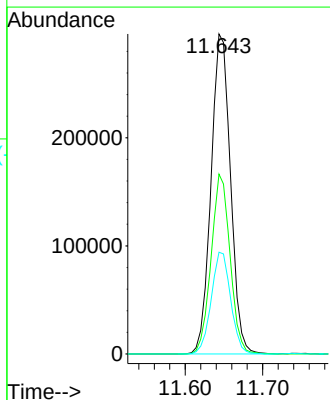
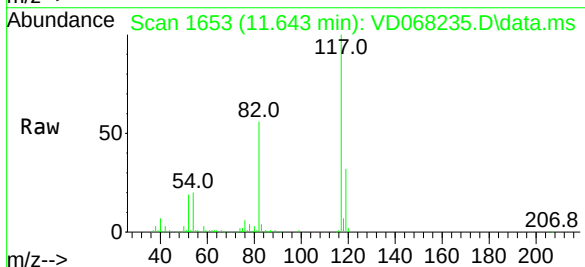
Instrument :
MSVOA_D
ClientSampleId :
VD0129SBL01

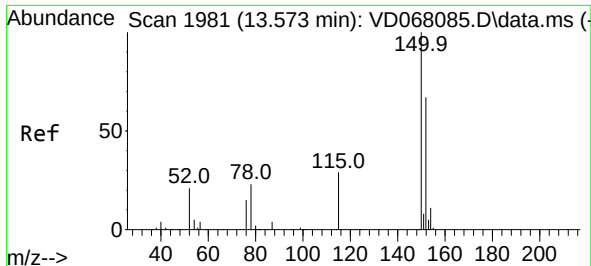
Tgt Ion: 95 Resp: 202678
Ion Ratio Lower Upper
95 100
174 79.3 0.0 172.4
176 75.2 0.0 168.4



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.643 min Scan# 1653
Delta R.T. -0.006 min
Lab File: VD068235.D
Acq: 29 Jan 2021 13:00

Tgt Ion: 117 Resp: 518063
Ion Ratio Lower Upper
117 100
82 56.2 41.4 62.0
119 31.8 26.1 39.1

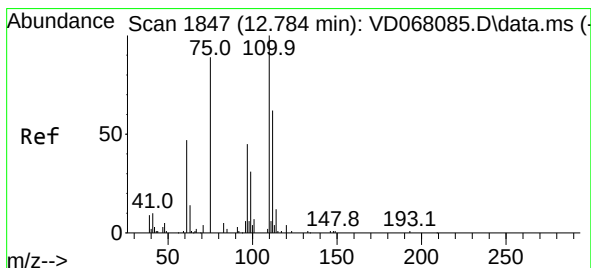
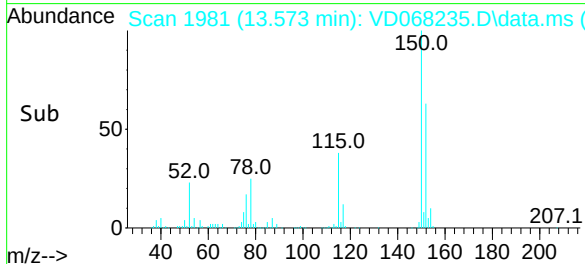
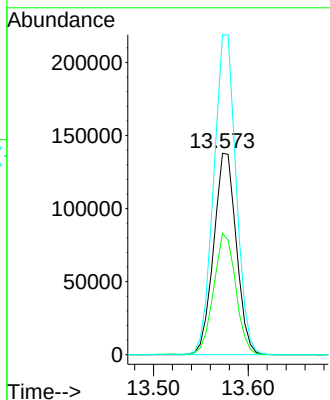
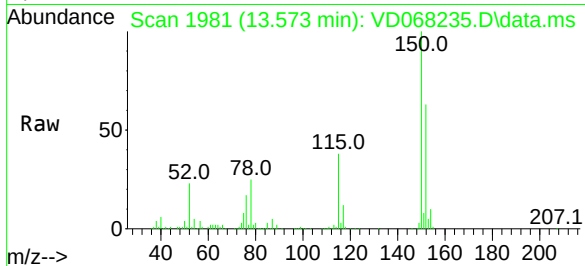




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.573 min Scan# 1981
Delta R.T. 0.000 min
Lab File: VD068235.D
Acq: 29 Jan 2021 13:00

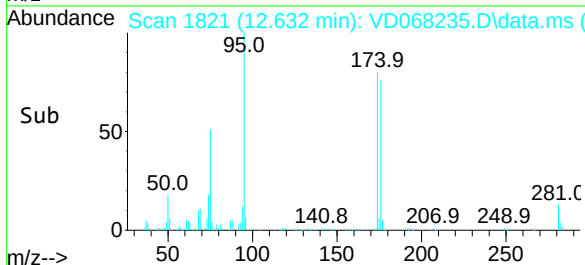
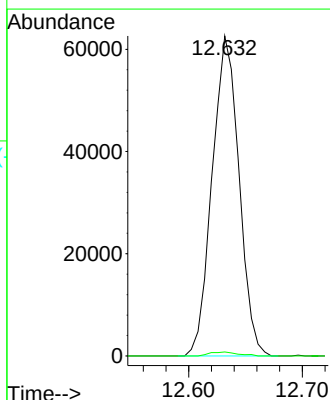
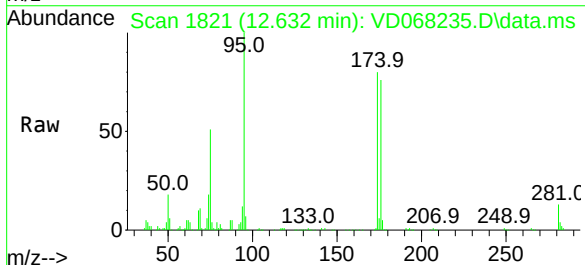
Instrument :
MSVOA_D
ClientSampleId :
VD0129SBL01

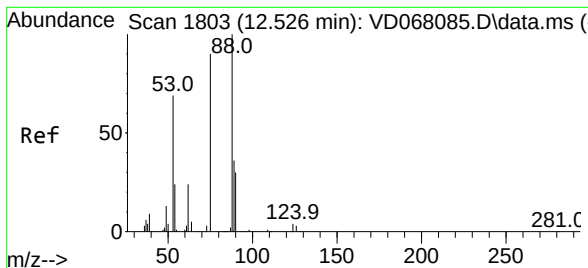
Tgt Ion:152 Resp: 229157
Ion Ratio Lower Upper
152 100
115 58.8 28.9 86.8
150 157.4 0.0 344.4



#76
1,2,3-Trichloropropane
Concen: 46.45 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. -0.153 min
Lab File: VD068235.D
Acq: 29 Jan 2021 13:00

Tgt Ion: 75 Resp: 102917
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#

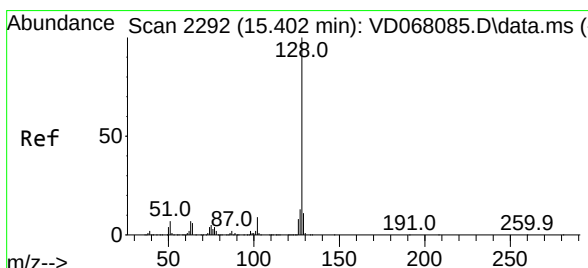
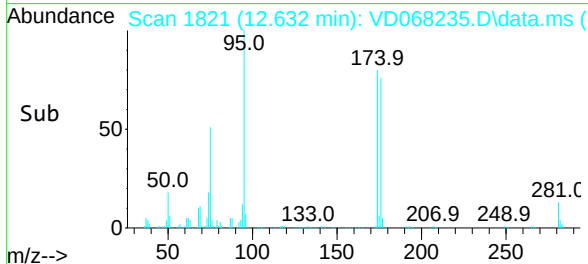
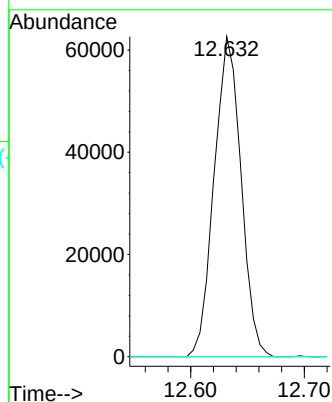
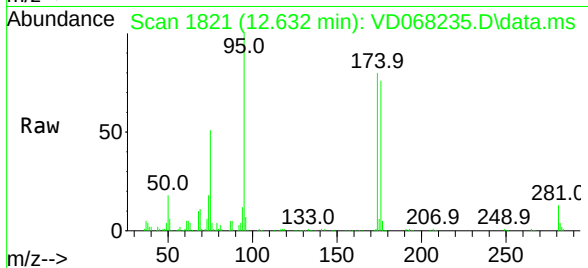




#81
trans-1,4-Dichloro-2-butene
Concen: 93.99 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. 0.106 min
Lab File: VD068235.D
Acq: 29 Jan 2021 13:00

Instrument :
MSVOA_D
ClientSampleId :
VD0129SBL01

Tgt Ion: 75 Resp: 102917
Ion Ratio Lower Upper
75 100
53 0.0 70.2 105.2#
89 0.0 40.3 60.5#



#95
Naphthalene
Concen: 1.06 ug/l
RT: 15.396 min Scan# 2291
Delta R.T. -0.006 min
Lab File: VD068235.D
Acq: 29 Jan 2021 13:00

Tgt Ion:128 Resp: 9197
Ion Ratio Lower Upper
128 100
127 9.8 10.2 15.2#
129 12.6 8.8 13.2

