

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102921\
 Data File : VN069313.D
 Acq On : 29 Oct 2021 20:21
 Operator : JC/MD
 Sample : M4348-09
 Misc : 4.99g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 30 05:46:46 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102821W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 28 16:09:15 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.080	168	305048	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.965	114	546236	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.747	117	511433	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.678	152	219546	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.432	65	210326	47.763	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	95.520%
35) Dibromofluoromethane	8.019	113	148756	43.687	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	87.380%
50) Toluene-d8	10.441	98	674145	49.517	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	99.040%
62) 4-Bromofluorobenzene	12.734	95	241500	47.008	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	94.020%

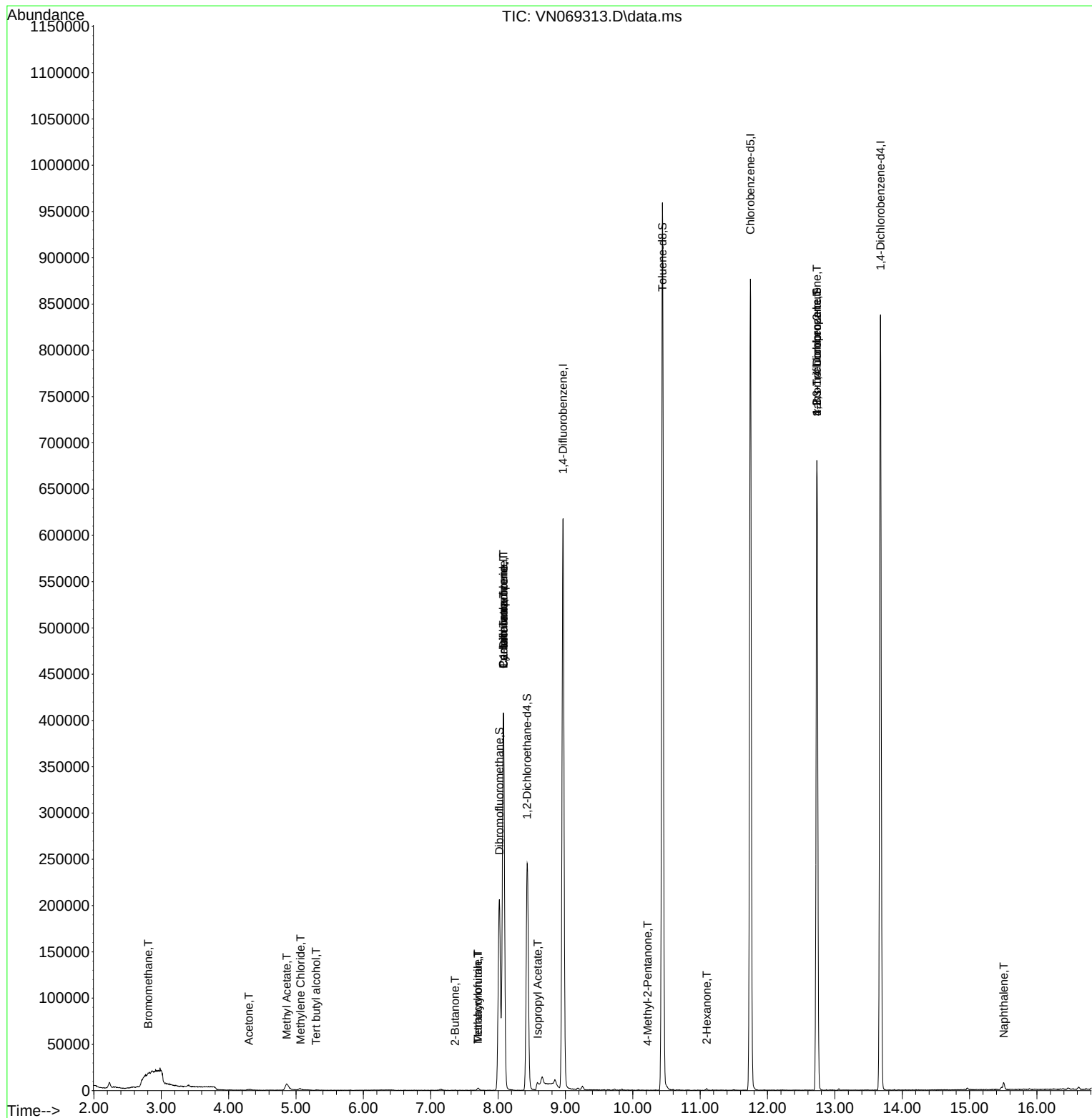
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.293	50	331	Below Cal	#	42
5) Bromomethane	2.808	94	536	0.209	ug/l #	69
11) Tert butyl alcohol	5.296	59	52	13.465	ug/l #	72
16) Acetone	4.299	43	773	0.412	ug/l #	44
18) Methyl Acetate	4.865	43	16765	2.630	ug/l	95
20) Methylene Chloride	5.066	84	938	0.261	ug/l #	71
25) 2-Butanone	7.362	43	87	1.664	ug/l #	48
29) Tetrahydrofuran	7.702	42	1553	3.767	ug/l	94
31) Cyclohexane	8.078	56	6885	1.168	ug/l #	1
36) 1,1-Dichloropropene	8.080	75	24679	5.241	ug/l #	50
38) Carbon Tetrachloride	8.078	117	32390	6.935	ug/l #	15
41) Methacrylonitrile	7.702	41	979	0.370	ug/l #	38
43) Isopropyl Acetate	8.590	43	6135	1.108	ug/l #	55
51) 4-Methyl-2-Pentanone	10.221	43	122	6.422	ug/l #	36
59) 2-Hexanone	11.098	43	644	8.134	ug/l #	25
76) 1,2,3-Trichloropropane	12.734	75	129024	22.345	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.734	75	129024	64.448	ug/l #	12
95) Naphthalene	15.507	128	8116	3.999	ug/l #	96

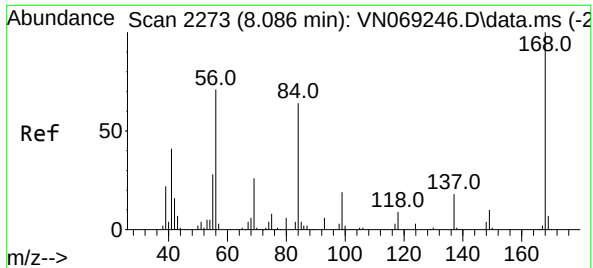
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Oct 28 16:09:15 2021
Response via : Initial Calibration

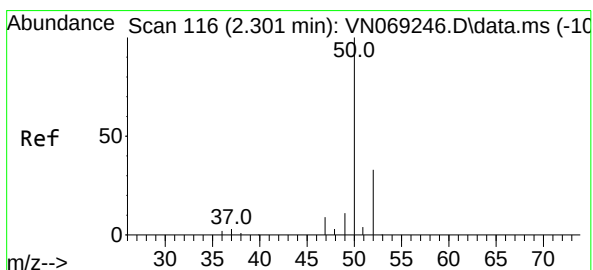
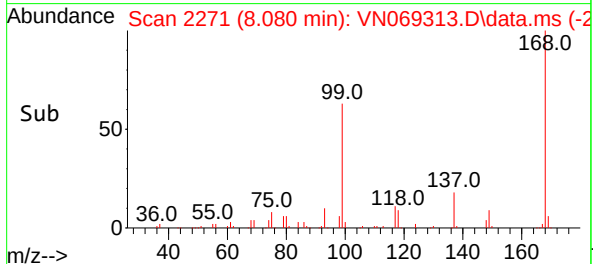
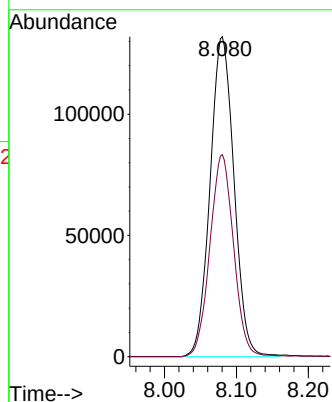
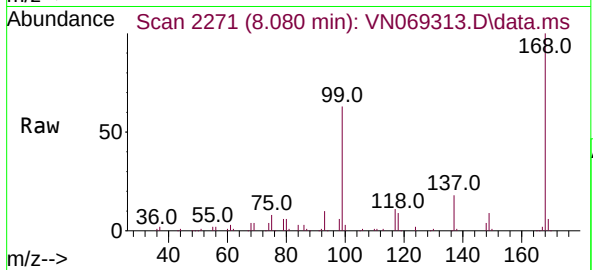




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.080 min Scan# 21
Delta R.T. -0.006 min
Lab File: VN069313.D
Acq: 29 Oct 2021 20:21

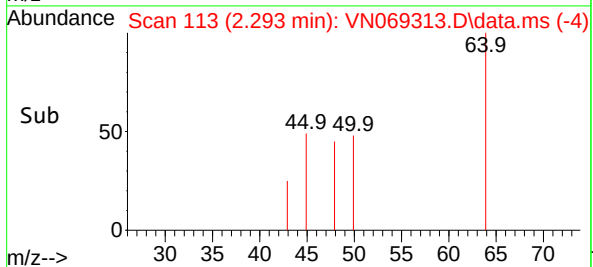
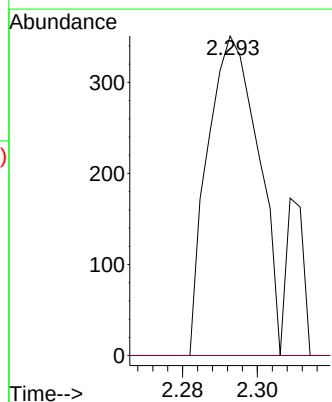
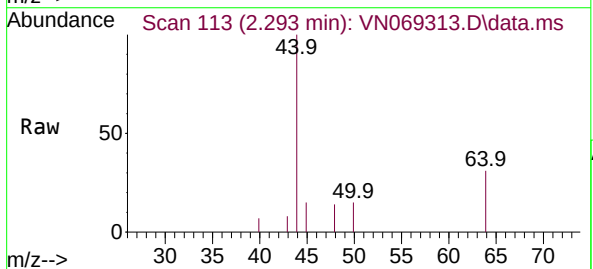
Instrument :
MSVOA_N
ClientSampleId :

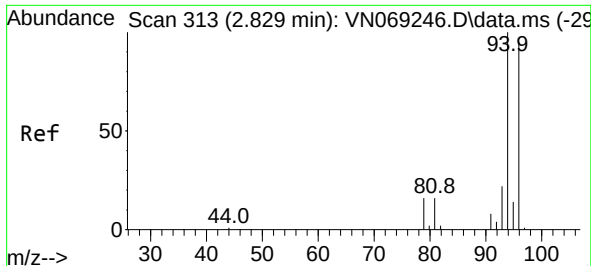
Tgt Ion:168 Resp: 305048
Ion Ratio Lower Upper
168 100
99 63.2 48.9 73.3



#3
Chloromethane
Concen: Below Cal
RT: 2.293 min Scan# 113
Delta R.T. -0.008 min
Lab File: VN069313.D
Acq: 29 Oct 2021 20:21

Tgt Ion: 50 Resp: 331
Ion Ratio Lower Upper
50 100
52 0.0 26.3 39.5#

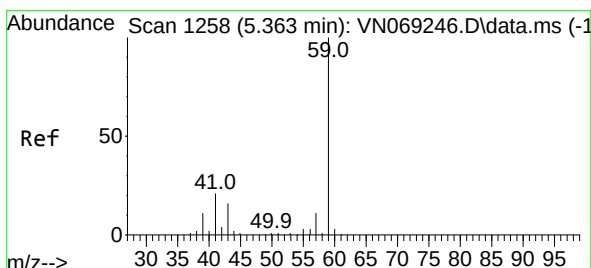
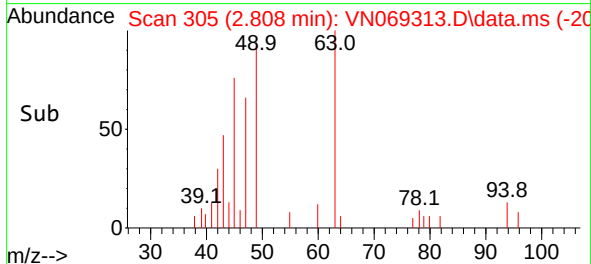
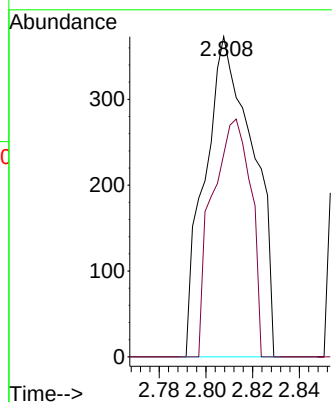
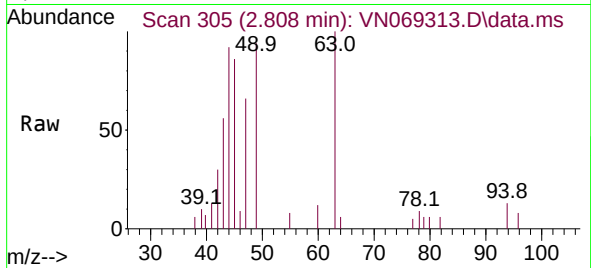




#5
Bromomethane
Concen: 0.209 ug/l
RT: 2.808 min Scan# 30
Delta R.T. -0.021 min
Lab File: VN069313.D
Acq: 29 Oct 2021 20:21

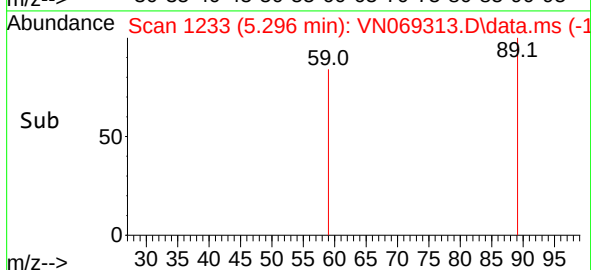
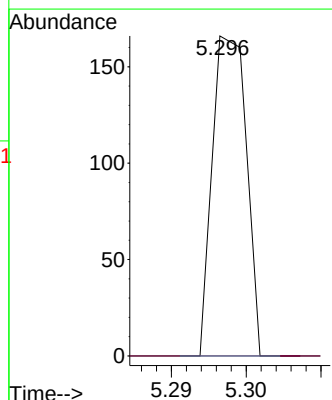
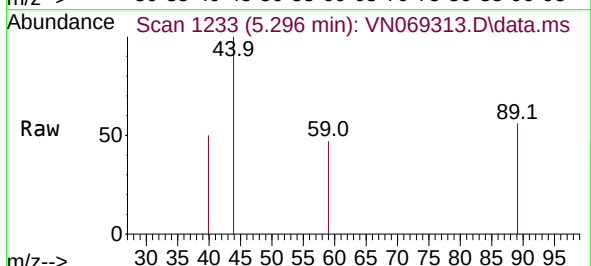
Instrument :
MSVOA_N
ClientSampleId :

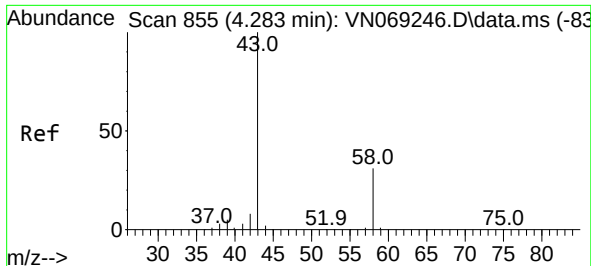
Tgt Ion: 94 Resp: 536
Ion Ratio Lower Upper
94 100
96 63.3 74.2 111.4#



#11
Tert butyl alcohol
Concen: 13.465 ug/l
RT: 5.296 min Scan# 1233
Delta R.T. -0.067 min
Lab File: VN069313.D
Acq: 29 Oct 2021 20:21

Tgt Ion: 59 Resp: 52
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

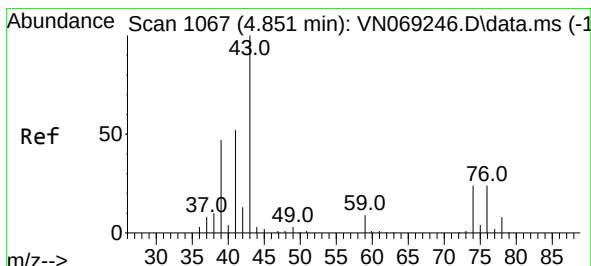
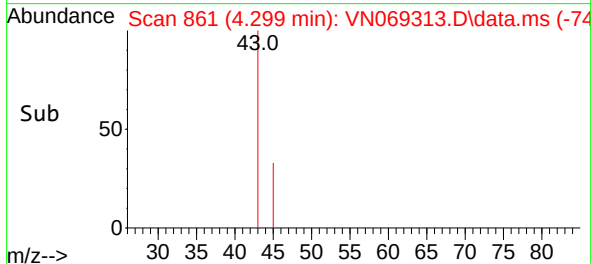
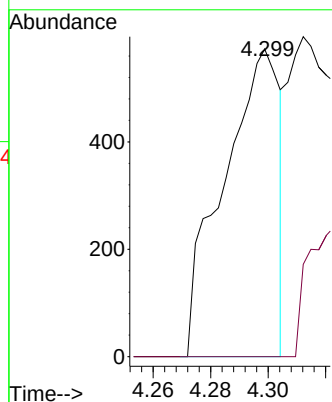
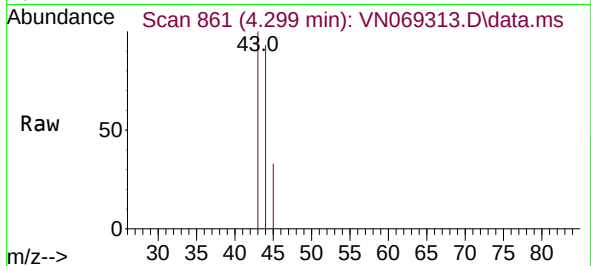




#16
Acetone
Concen: 0.412 ug/l
RT: 4.299 min Scan# 80
Delta R.T. 0.016 min
Lab File: VN069313.D
Acq: 29 Oct 2021 20:21

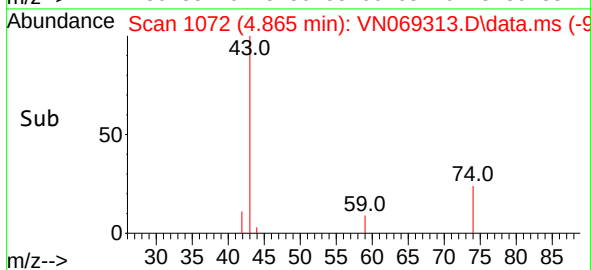
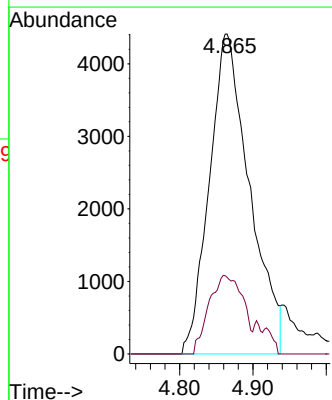
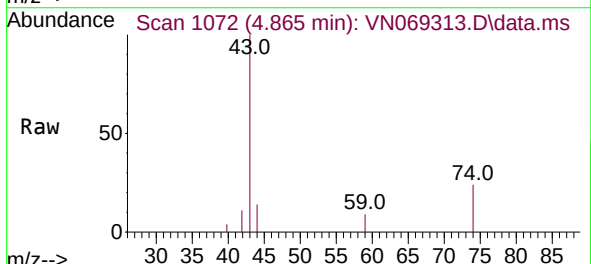
Instrument :
MSVOA_N
ClientSampleId :

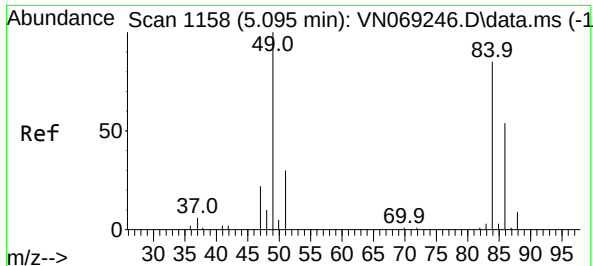
Tgt Ion: 43 Resp: 773
Ion Ratio Lower Upper
43 100
58 0.0 24.5 36.7#



#18
Methyl Acetate
Concen: 2.630 ug/l
RT: 4.865 min Scan# 1072
Delta R.T. 0.014 min
Lab File: VN069313.D
Acq: 29 Oct 2021 20:21

Tgt Ion: 43 Resp: 16765
Ion Ratio Lower Upper
43 100
74 20.9 18.9 28.3





#20

Methylene Chloride

Concen: 0.261 ug/l

RT: 5.066 min Scan# 1147

Delta R.T. -0.029 min

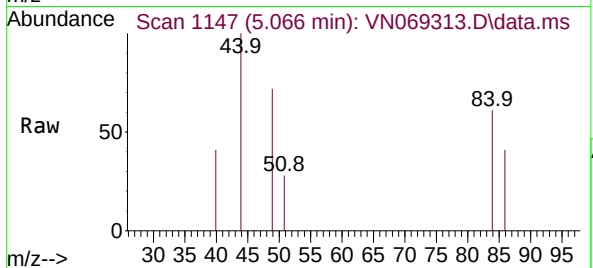
Lab File: VN069313.D

Acq: 29 Oct 2021 20:21

Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion: 84 Resp: 938

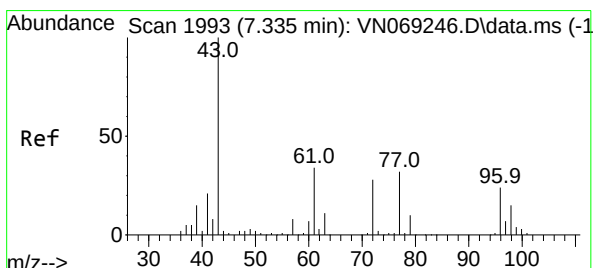
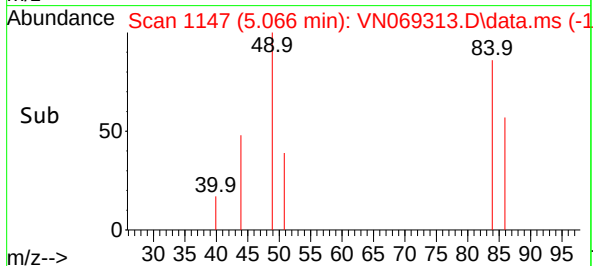
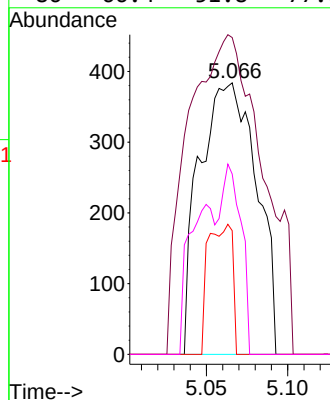
Ion Ratio Lower Upper

84 100

49 67.7 97.6 146.4#

51 45.6 30.3 45.5#

86 66.4 51.8 77.6



#25

2-Butanone

Concen: 1.664 ug/l

RT: 7.362 min Scan# 2003

Delta R.T. 0.027 min

Lab File: VN069313.D

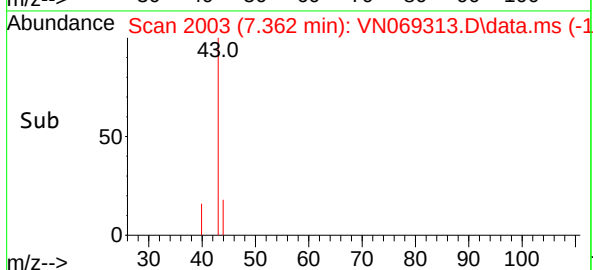
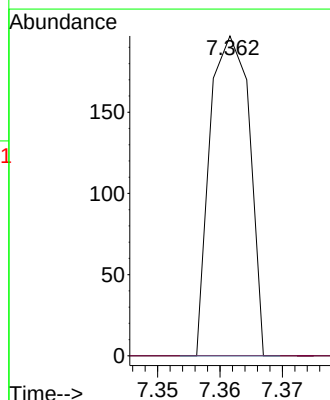
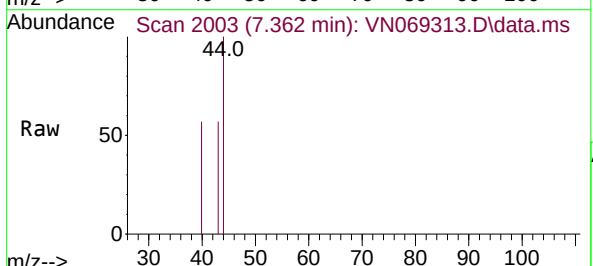
Acq: 29 Oct 2021 20:21

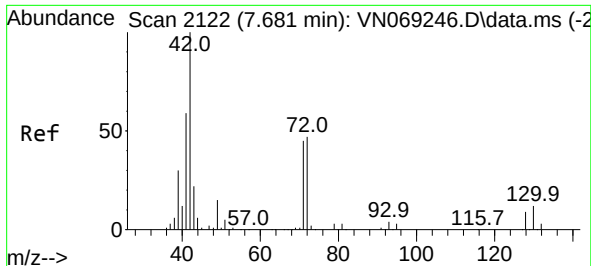
Tgt Ion: 43 Resp: 87

Ion Ratio Lower Upper

43 100

72 0.0 21.2 31.8#





#29

Tetrahydrofuran

Concen: 3.767 ug/l

RT: 7.702 min Scan# 21

Delta R.T. 0.021 min

Lab File: VN069313.D

Acq: 29 Oct 2021 20:21

Instrument :

MSVOA_N

ClientSampleId :

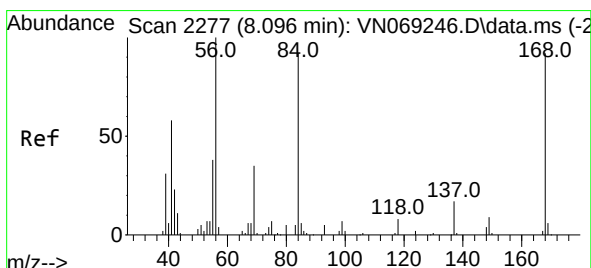
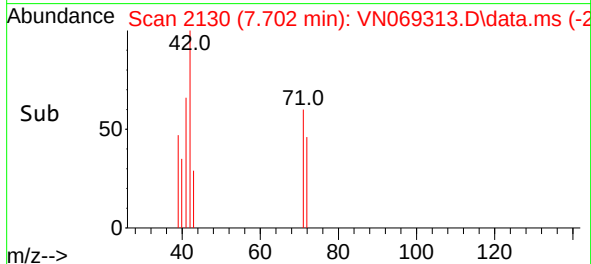
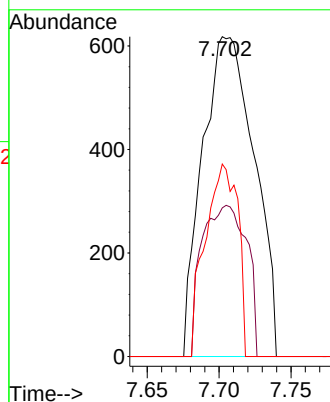
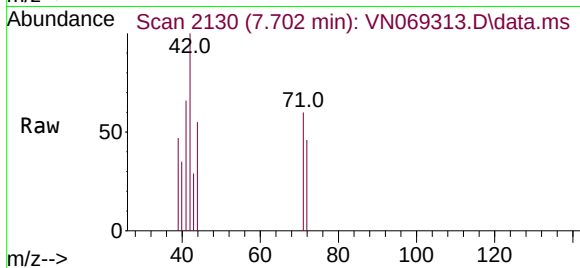
Tgt Ion: 42 Resp: 1553

Ion Ratio Lower Upper

42 100

72 40.6 35.4 53.2

71 37.7 33.8 50.6



#31

Cyclohexane

Concen: 1.168 ug/l

RT: 8.078 min Scan# 2270

Delta R.T. -0.018 min

Lab File: VN069313.D

Acq: 29 Oct 2021 20:21

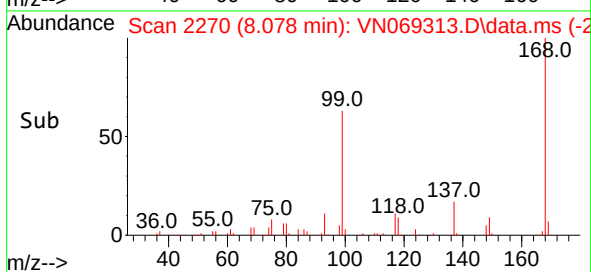
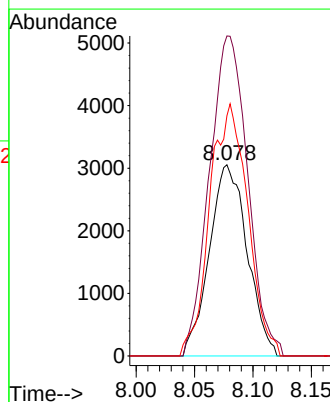
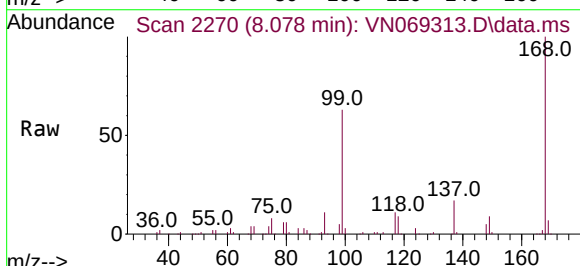
Tgt Ion: 56 Resp: 6885

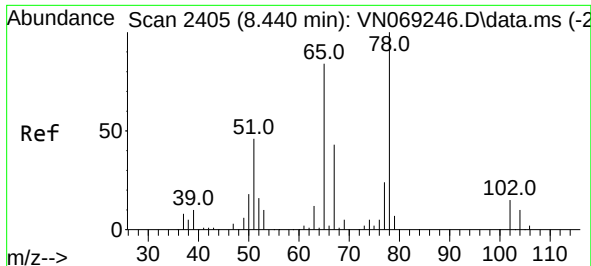
Ion Ratio Lower Upper

56 100

69 167.4 26.9 40.3#

84 125.6 67.6 101.4#





#33

1,2-Dichloroethane-d4

Concen: 47.763 ug/l

RT: 8.432 min Scan# 2405

Delta R.T. -0.008 min

Lab File: VN069313.D

Acq: 29 Oct 2021 20:21

Instrument :

MSVOA_N

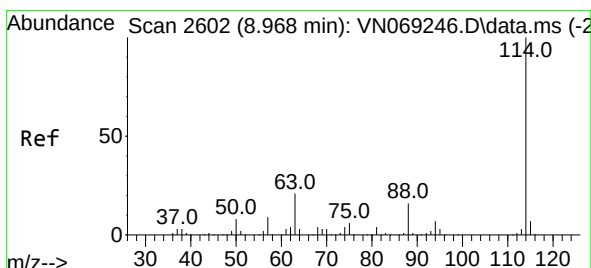
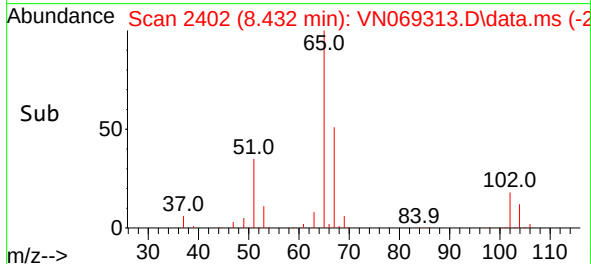
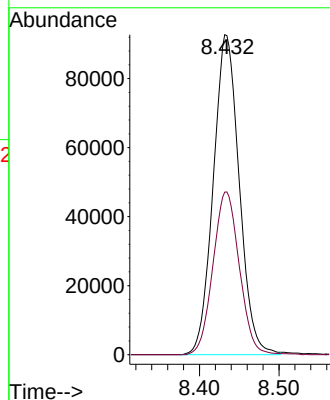
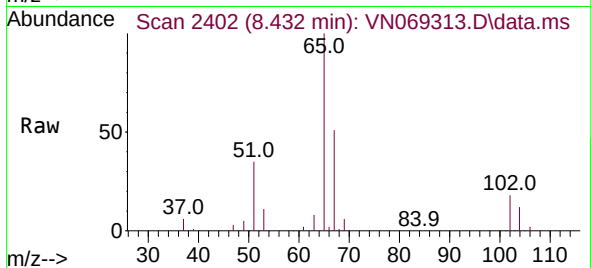
ClientSampleId :

Tgt Ion: 65 Resp: 210326

Ion Ratio Lower Upper

65 100

67 51.7 0.0 103.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.965 min Scan# 2601

Delta R.T. -0.003 min

Lab File: VN069313.D

Acq: 29 Oct 2021 20:21

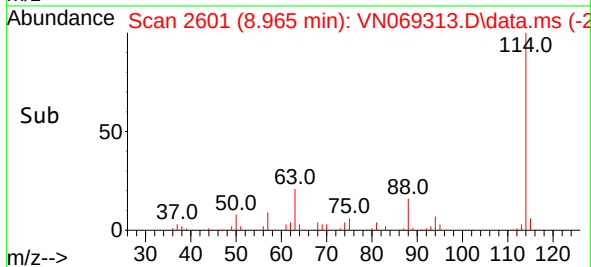
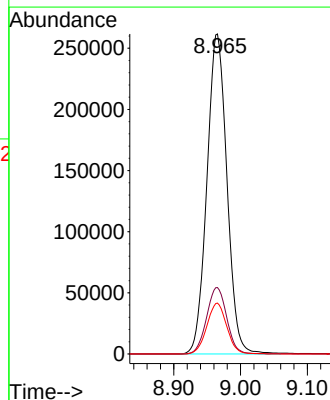
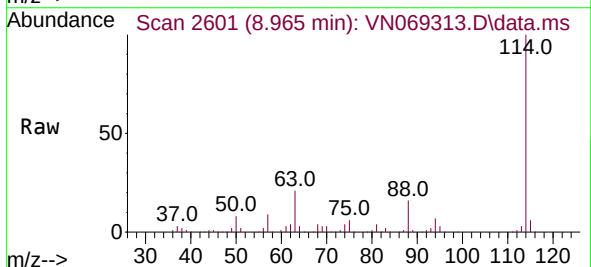
Tgt Ion: 114 Resp: 546236

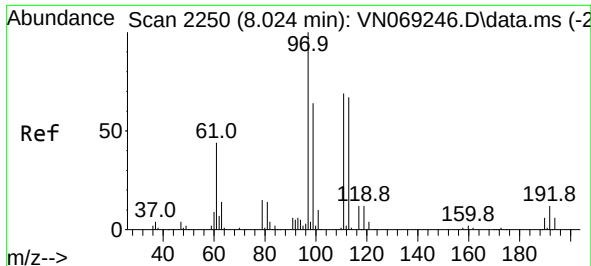
Ion Ratio Lower Upper

114 100

63 20.7 0.0 42.6

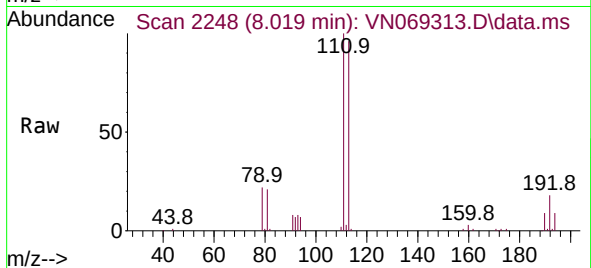
88 15.9 0.0 32.0



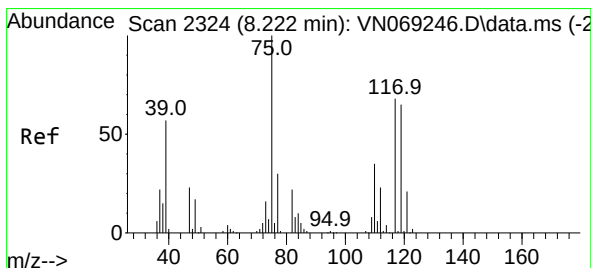
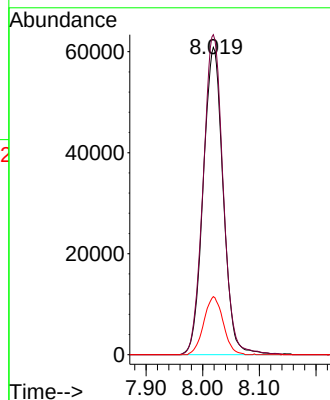
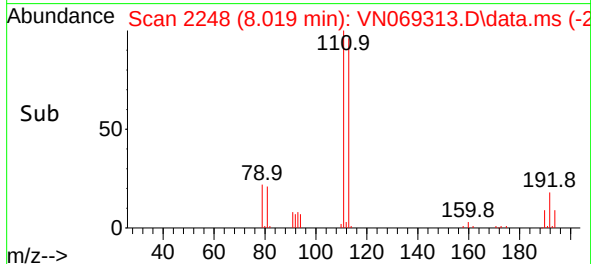


#35
Dibromofluoromethane
Concen: 43.687 ug/l
RT: 8.019 min Scan# 21
Delta R.T. -0.005 min
Lab File: VN069313.D
Acq: 29 Oct 2021 20:21

Instrument :
MSVOA_N
ClientSampleId :

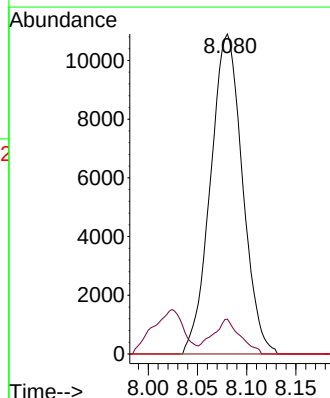
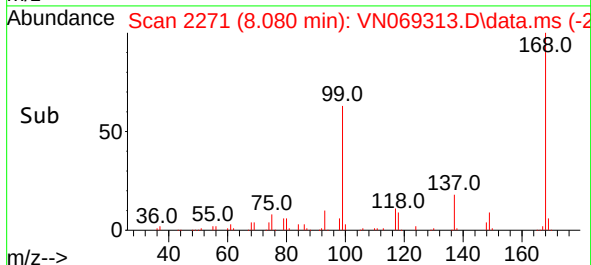
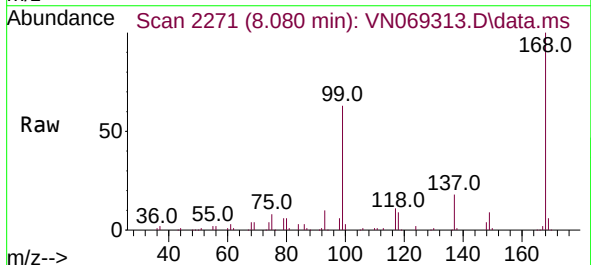


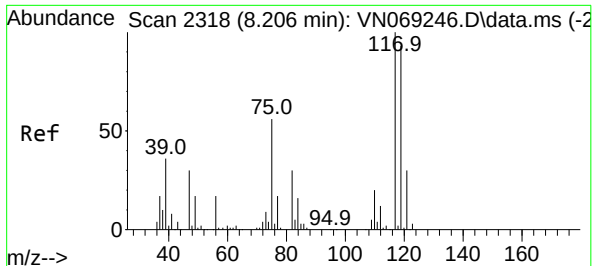
Tgt Ion:113 Resp: 148756
Ion Ratio Lower Upper
113 100
111 104.3 83.2 124.8
192 18.4 15.0 22.4



#36
1,1-Dichloropropene
Concen: 5.241 ug/l
RT: 8.080 min Scan# 2271
Delta R.T. -0.142 min
Lab File: VN069313.D
Acq: 29 Oct 2021 20:21

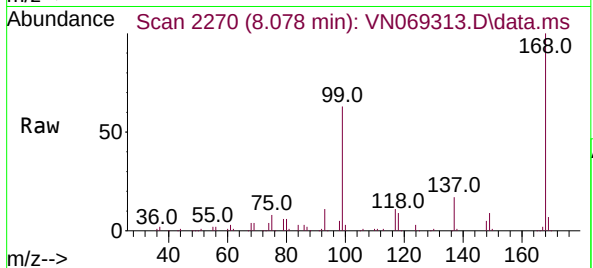
Tgt Ion: 75 Resp: 24679
Ion Ratio Lower Upper
75 100
110 9.4 17.9 53.8#
77 0.0 24.7 37.1#



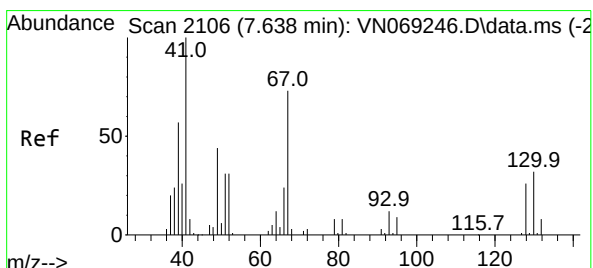
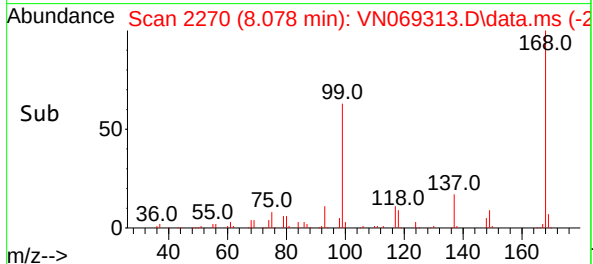
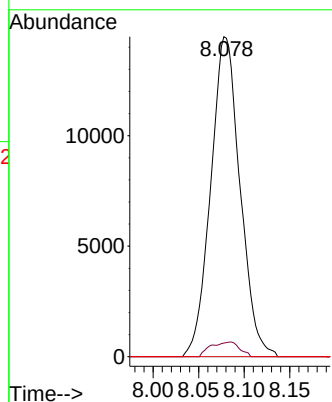


#38
Carbon Tetrachloride
Concen: 6.935 ug/l
RT: 8.078 min Scan# 2117
Delta R.T. -0.128 min
Lab File: VN069313.D
Acq: 29 Oct 2021 20:21

Instrument :
MSVOA_N
ClientSampleId :

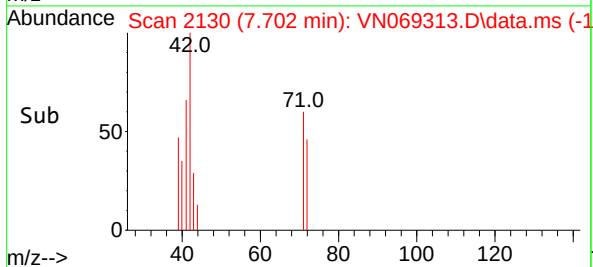
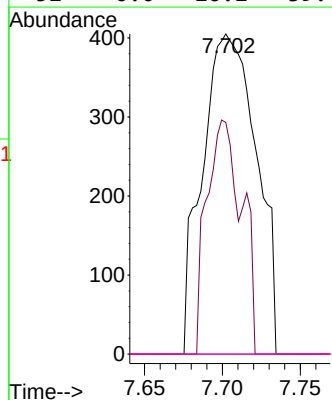
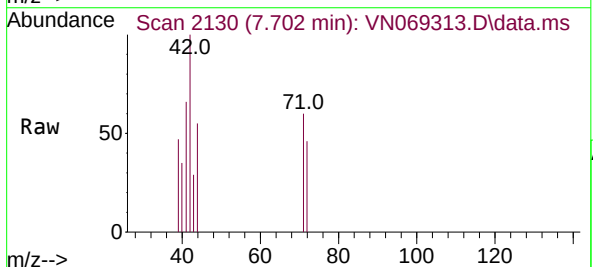


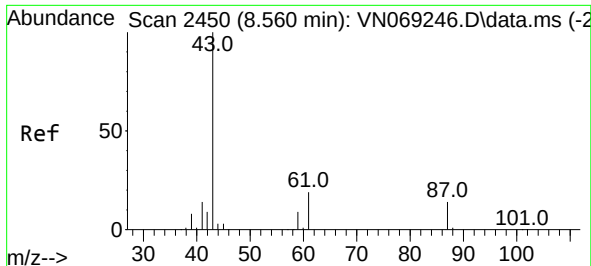
Tgt Ion:117 Resp: 32390
Ion Ratio Lower Upper
117 100
119 4.3 76.9 115.3#
121 0.0 24.6 37.0#



#41
Methacrylonitrile
Concen: 0.370 ug/l
RT: 7.702 min Scan# 2130
Delta R.T. 0.064 min
Lab File: VN069313.D
Acq: 29 Oct 2021 20:21

Tgt Ion: 41 Resp: 979
Ion Ratio Lower Upper
41 100
39 38.0 44.9 67.3#
67 0.0 62.6 93.8#
52 0.0 26.2 39.4#

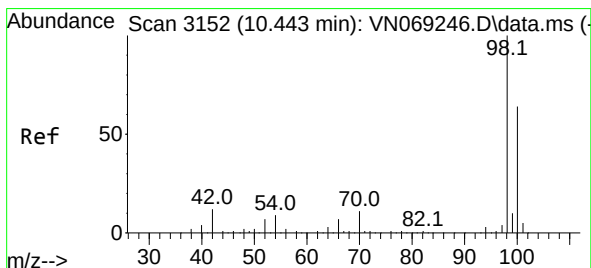
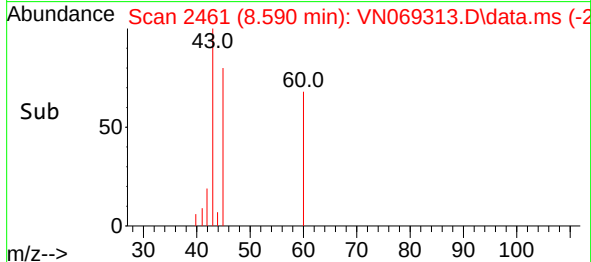
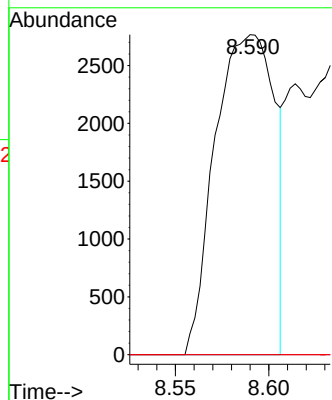
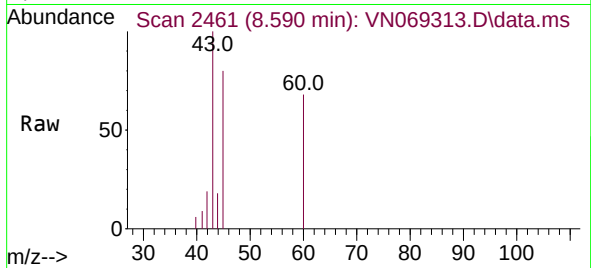




#43
Isopropyl Acetate
Concen: 1.108 ug/l
RT: 8.590 min Scan# 2450
Delta R.T. 0.030 min
Lab File: VN069313.D
Acq: 29 Oct 2021 20:21

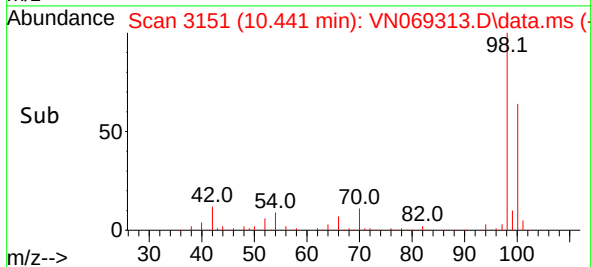
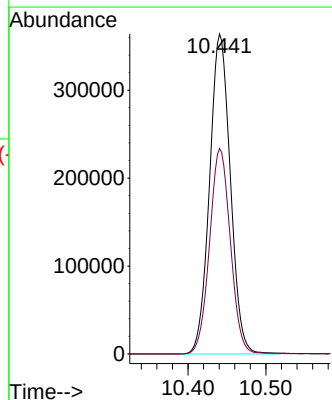
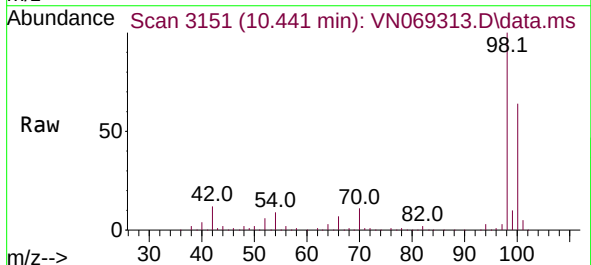
Instrument :
MSVOA_N
ClientSampleId :

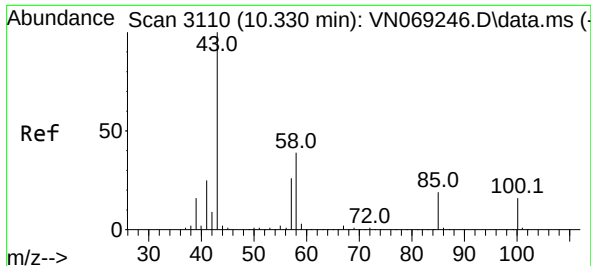
Tgt Ion: 43 Resp: 6135
Ion Ratio Lower Upper
43 100
61 0.0 20.4 30.6#
87 0.0 10.7 16.1#



#50
Toluene-d8
Concen: 49.517 ug/l
RT: 10.441 min Scan# 3151
Delta R.T. -0.002 min
Lab File: VN069313.D
Acq: 29 Oct 2021 20:21

Tgt Ion: 98 Resp: 674145
Ion Ratio Lower Upper
98 100
100 64.4 51.5 77.3

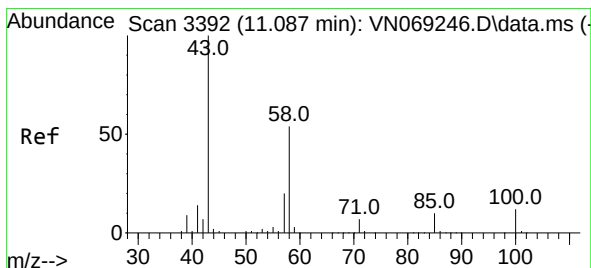
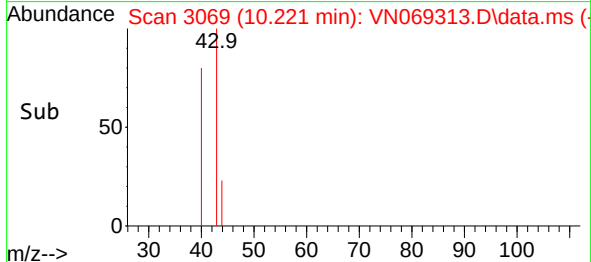
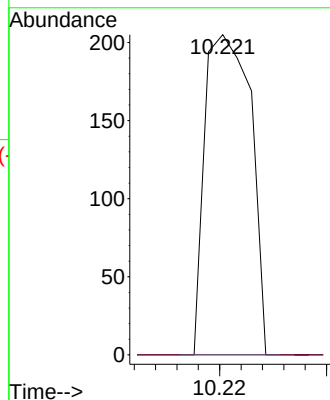
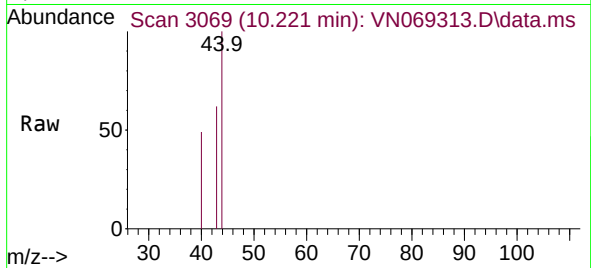




#51
4-Methyl-2-Pentanone
Concen: 6.422 ug/l
RT: 10.221 min Scan# 3069
Delta R.T. -0.109 min
Lab File: VN069313.D
Acq: 29 Oct 2021 20:21

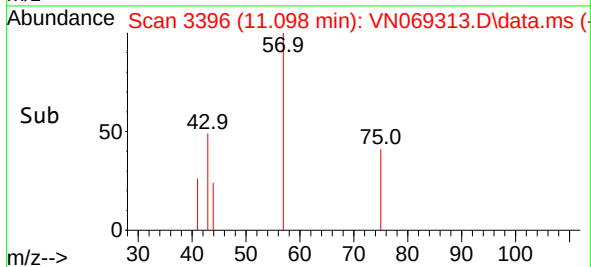
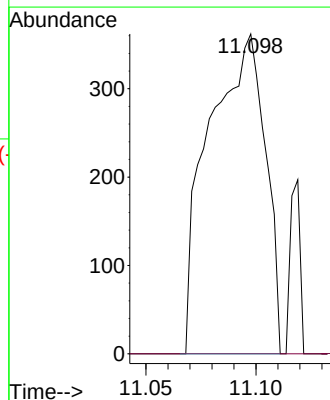
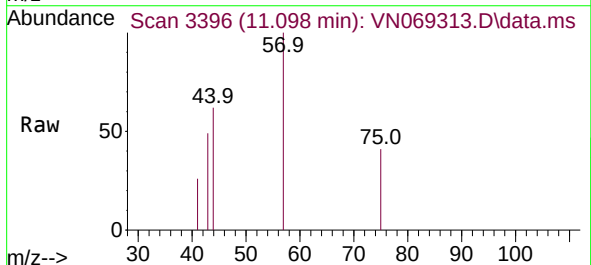
Instrument :
MSVOA_N
ClientSampleId :

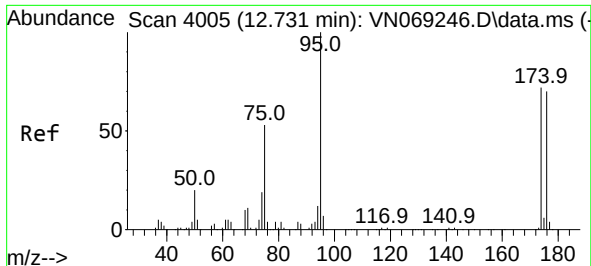
Tgt Ion: 43 Resp: 122
Ion Ratio Lower Upper
43 100
58 0.0 31.0 46.4#



#59
2-Hexanone
Concen: 8.134 ug/l
RT: 11.098 min Scan# 3396
Delta R.T. 0.011 min
Lab File: VN069313.D
Acq: 29 Oct 2021 20:21

Tgt Ion: 43 Resp: 644
Ion Ratio Lower Upper
43 100
58 0.0 26.9 80.7#

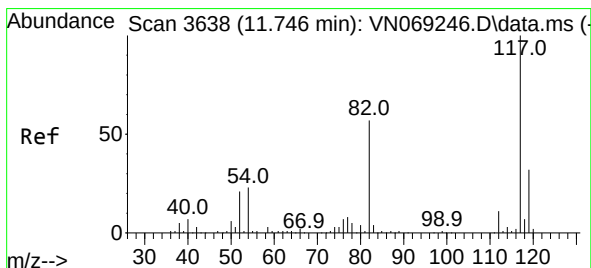
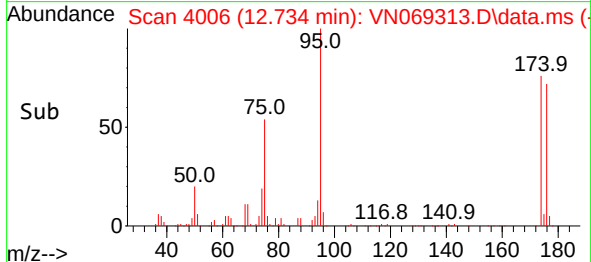
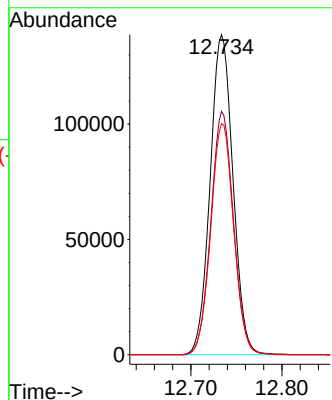
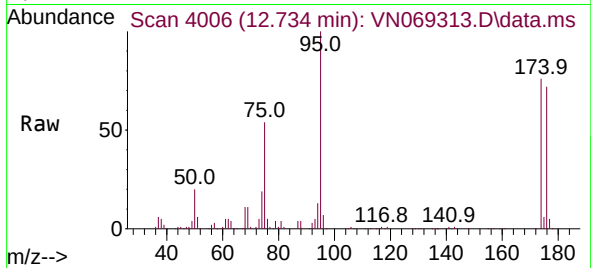




#62
4-Bromofluorobenzene
Concen: 47.008 ug/l
RT: 12.734 min Scan# 4005
Delta R.T. 0.003 min
Lab File: VN069313.D
Acq: 29 Oct 2021 20:21

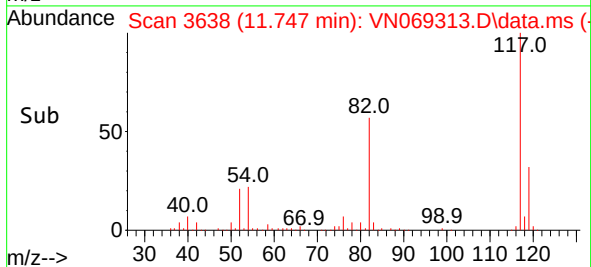
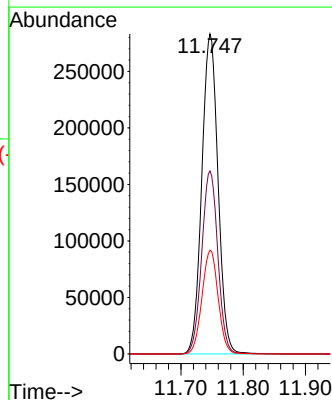
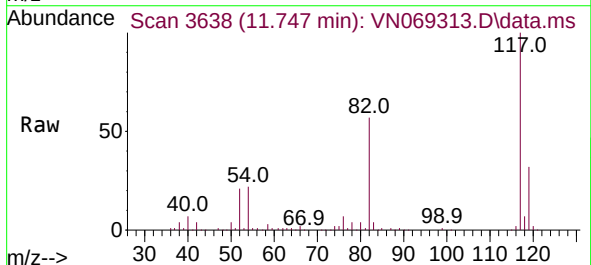
Instrument :
MSVOA_N
ClientSampleId :

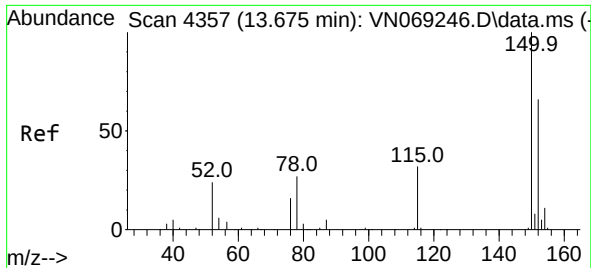
Tgt Ion: 95 Resp: 241500
Ion Ratio Lower Upper
95 100
174 75.4 0.0 144.8
176 72.5 0.0 140.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.747 min Scan# 3638
Delta R.T. 0.000 min
Lab File: VN069313.D
Acq: 29 Oct 2021 20:21

Tgt Ion: 117 Resp: 511433
Ion Ratio Lower Upper
117 100
82 57.2 46.4 69.6
119 32.4 26.0 39.0

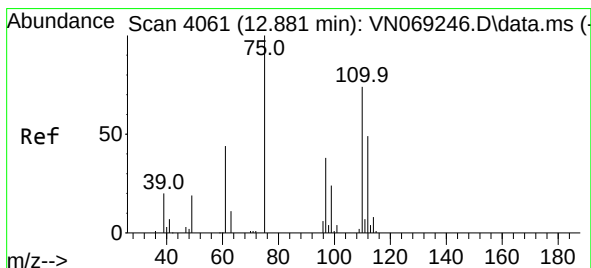
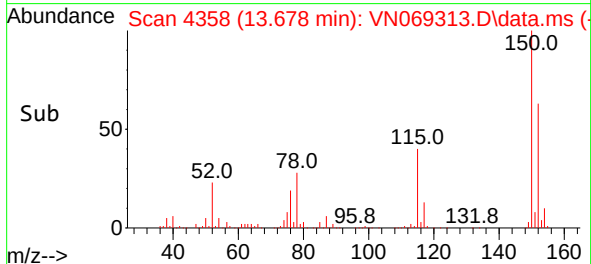
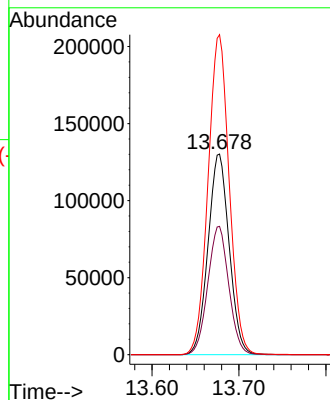
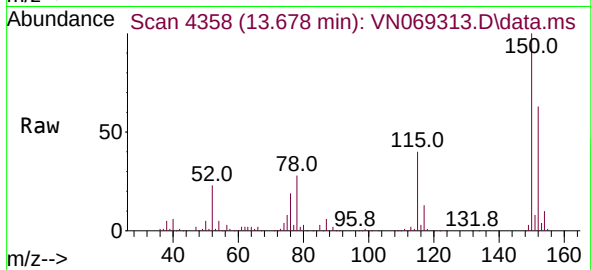




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.678 min Scan# 41
 Delta R.T. 0.003 min
 Lab File: VN069313.D
 Acq: 29 Oct 2021 20:21

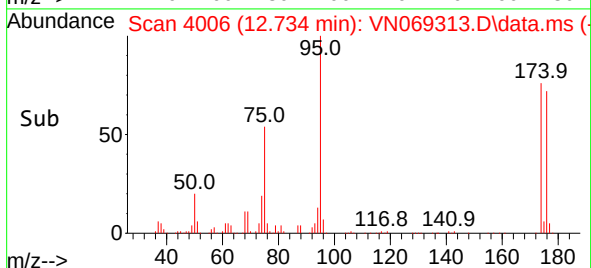
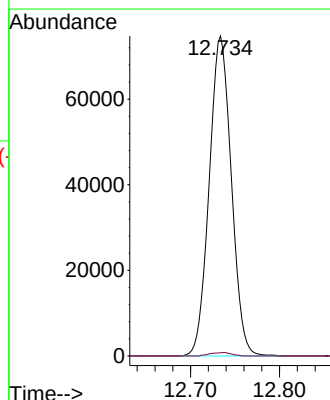
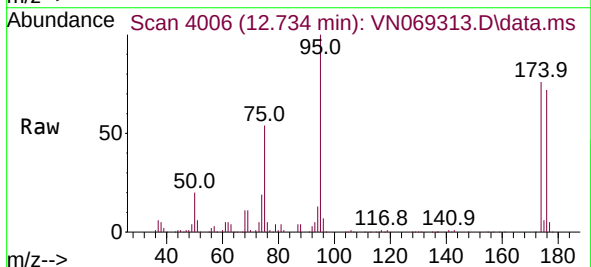
Instrument :
 MSVOA_N
 ClientSampleId :

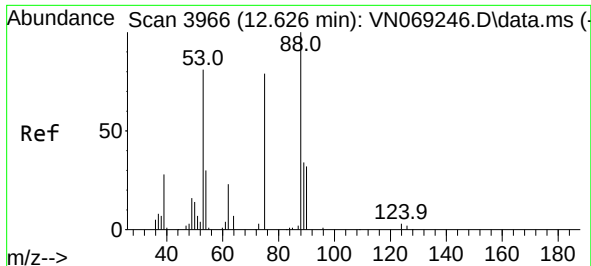
Tgt Ion:152 Resp: 219546
 Ion Ratio Lower Upper
 152 100
 115 63.6 31.4 94.3
 150 159.6 0.0 351.0



#76
 1,2,3-Trichloropropane
 Concen: 22.345 ug/l
 RT: 12.734 min Scan# 4006
 Delta R.T. -0.147 min
 Lab File: VN069313.D
 Acq: 29 Oct 2021 20:21

Tgt Ion: 75 Resp: 129024
 Ion Ratio Lower Upper
 75 100
 77 1.0 96.2 288.4#

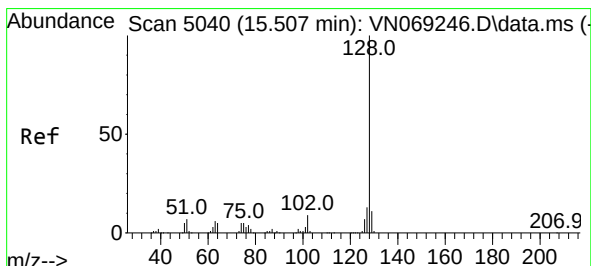
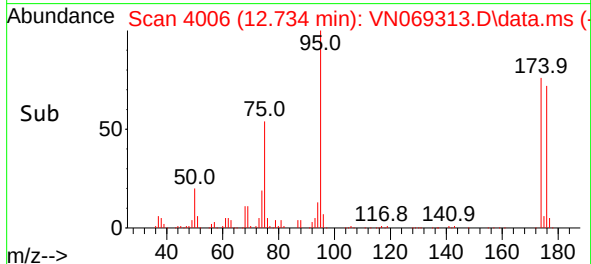
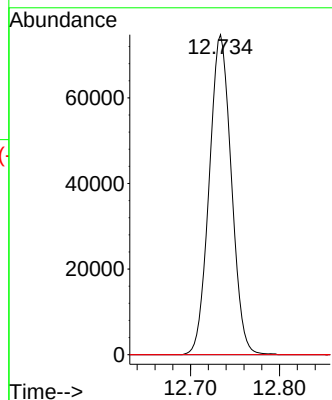
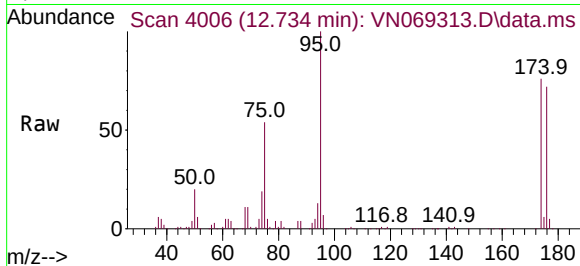




#81
trans-1,4-Dichloro-2-butene
Concen: 64.448 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. 0.108 min
Lab File: VN069313.D
Acq: 29 Oct 2021 20:21

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 75 Resp: 129024
Ion Ratio Lower Upper
75 100
53 0.0 75.4 113.2#
89 0.0 36.9 55.3#



#95
Naphthalene
Concen: 3.999 ug/l
RT: 15.507 min Scan# 5040
Delta R.T. -0.000 min
Lab File: VN069313.D
Acq: 29 Oct 2021 20:21

Tgt Ion:128 Resp: 8116
Ion Ratio Lower Upper
128 100
127 12.8 10.5 15.7
129 8.4 8.9 13.3#

