

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD072624\
 Data File : VD079413.D
 Acq On : 26 Jul 2024 17:42
 Operator : RP/MD
 Sample : P3352-01
 Misc : 5.01G/5.0ml/MSVOA_D/SOIL/B
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jul 27 03:35:54 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D072524S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 26 12:23:49 2024
 Response via : Initial Calibration

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

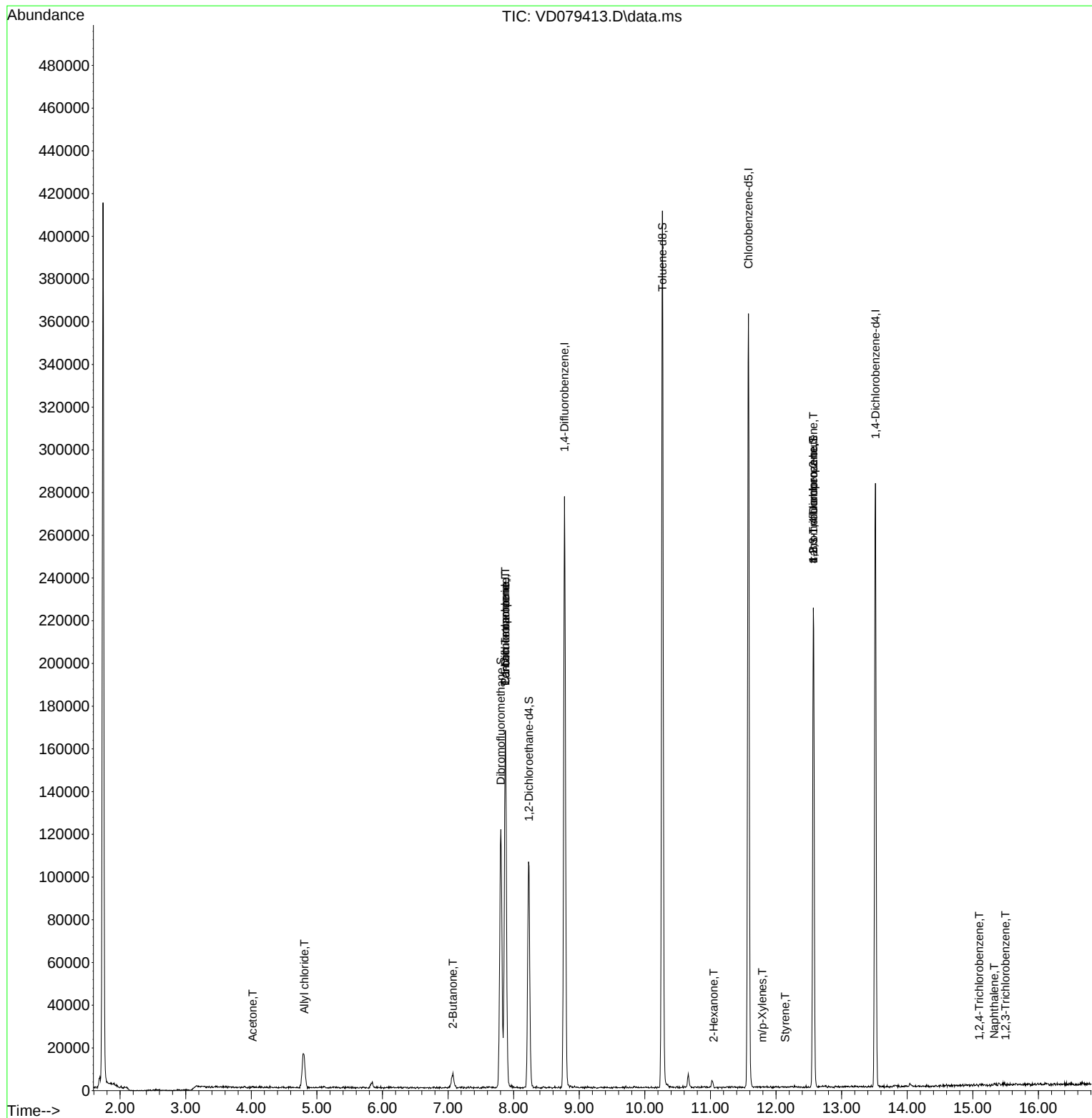
Internal Standards						
1) Pentafluorobenzene	7.875	168	121484	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.775	114	241138	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	217026	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	76273	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	83210	72.241	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 144.480%	
35) Dibromofluoromethane	7.804	113	90948	62.045	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 124.080%	
50) Toluene-d8	10.269	98	289018	50.303	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 100.600%	
62) 4-Bromofluorobenzene	12.569	95	74105	41.319	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 82.640%	
Target Compounds						
						Qvalue
14) Allyl chloride	4.810	41	358	2.753	ug/l	# 17
16) Acetone	4.022	43	451	12.975	ug/l	# 37
17) Carbon Disulfide	4.240	76	56	Below Cal	#	76
20) Methylene Chloride	4.799	84	13205	Below Cal		93
25) 2-Butanone	7.075	43	59	4.672	ug/l	# 42
26) 2,2-Dichloropropane	7.069	77	246	Below Cal	#	50
30) Chloroform	7.593	83	55	Below Cal	#	18
31) Cyclohexane	7.869	56	2891	Below Cal	#	53
36) 1,1-Dichloropropene	7.875	75	10760	4.066	ug/l	# 46
38) Carbon Tetrachloride	7.875	117	13828	3.792	ug/l	# 16
51) 4-Methyl-2-Pentanone	10.163	43	55	Below Cal	#	31
59) 2-Hexanone	11.051	43	71	1.818	ug/l	# 19
65) Chlorobenzene	11.598	112	156	Below Cal	#	42
68) m/p-Xylenes	11.792	106	130	1.466	ug/l	# 26
70) Styrene	12.139	104	137	1.182	ug/l	# 66
76) 1,2,3-Trichloropropane	12.569	75	37045	49.783	ug/l	# 100
78) n-propylbenzene	12.751	91	263	Below Cal	#	51
79) 2-Chlorotoluene	12.851	91	157	Below Cal	#	37
81) trans-1,4-Dichloro-2-b...	12.569	75	37045	104.416	ug/l	# 19
82) 4-Chlorotoluene	12.951	91	158	Below Cal	#	37
85) sec-Butylbenzene	13.339	105	77	Below Cal	#	56
87) 1,3-Dichlorobenzene	13.451	146	84	Below Cal	#	1
88) 1,4-Dichlorobenzene	13.528	146	443	Below Cal	#	1
91) 1,2-Dichlorobenzene	13.828	146	347	Below Cal	#	26
93) 1,2,4-Trichlorobenzene	15.098	180	98	1.478	ug/l	# 48
95) Naphthalene	15.328	128	1132	3.019	ug/l	# 70
96) 1,2,3-Trichlorobenzene	15.498	180	57	1.023	ug/l	# 71

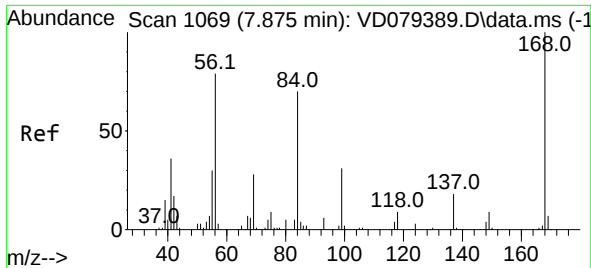
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri Jul 26 12:23:49 2024
Response via : Initial Calibration

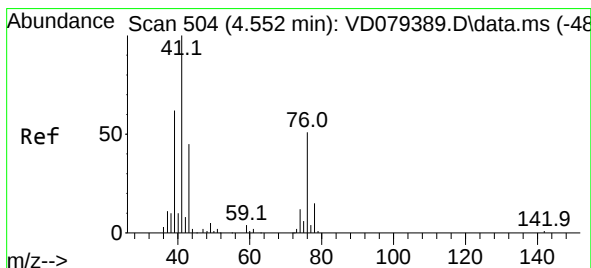
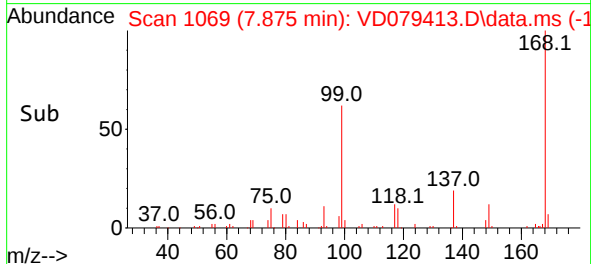
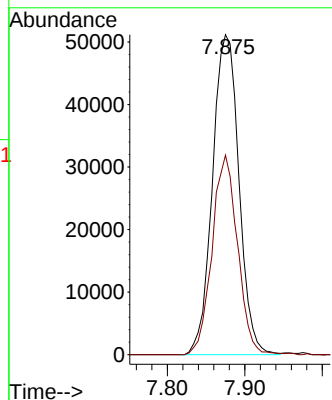
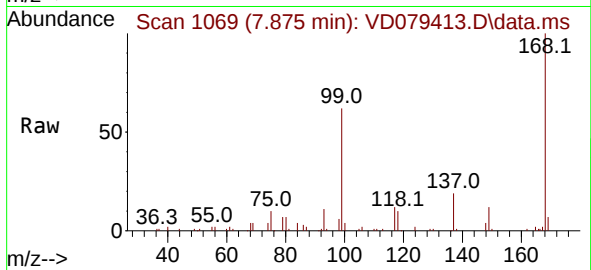




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD079413.D
Acq: 26 Jul 2024 17:42

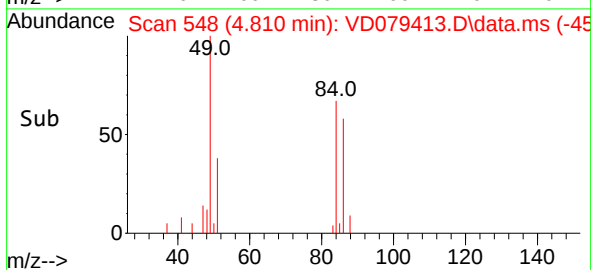
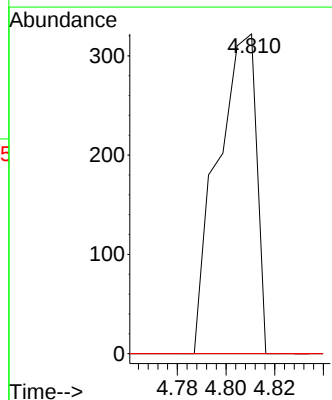
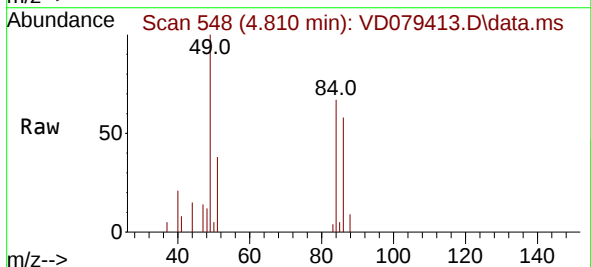
Instrument :
MSVOA_D
ClientSampleId :

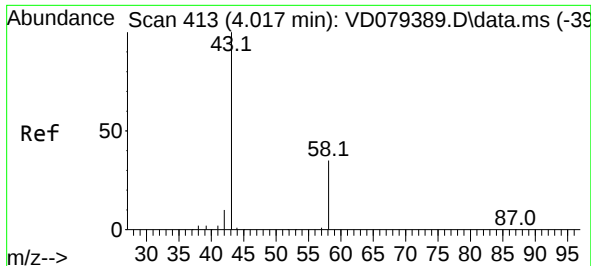
Tgt Ion:168 Resp: 121484
Ion Ratio Lower Upper
168 100
99 62.3 41.1 61.7#



#14
Allyl chloride
Concen: 2.753 ug/l
RT: 4.810 min Scan# 548
Delta R.T. 0.252 min
Lab File: VD079413.D
Acq: 26 Jul 2024 17:42

Tgt Ion: 41 Resp: 358
Ion Ratio Lower Upper
41 100
39 0.0 58.0 87.0#
76 0.0 45.9 68.9#

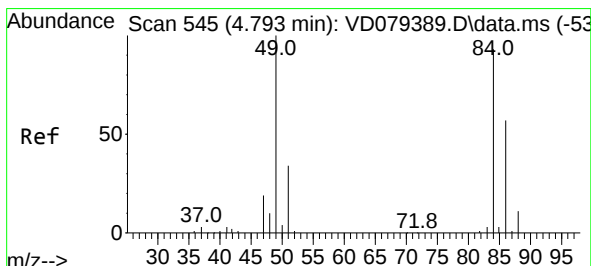
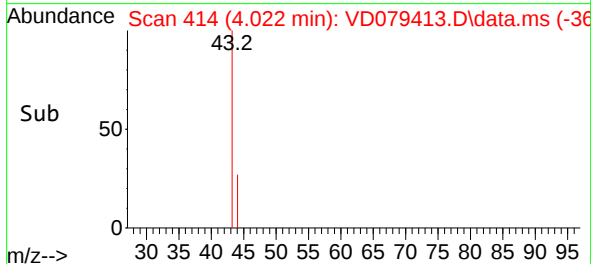
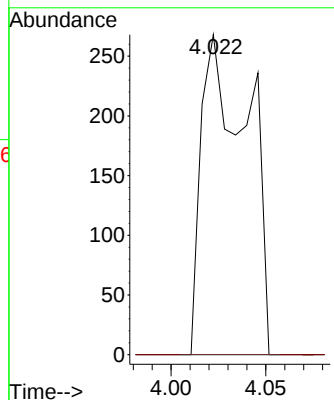
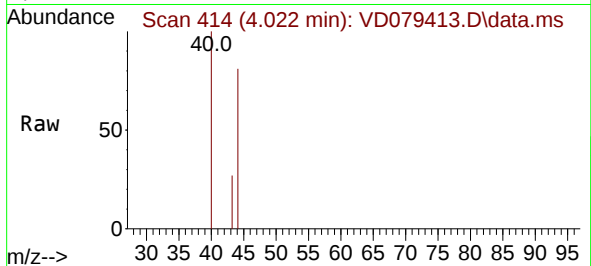




#16
Acetone
Concen: 12.975 ug/l
RT: 4.022 min Scan# 41
Delta R.T. -0.001 min
Lab File: VD079413.D
Acq: 26 Jul 2024 17:42

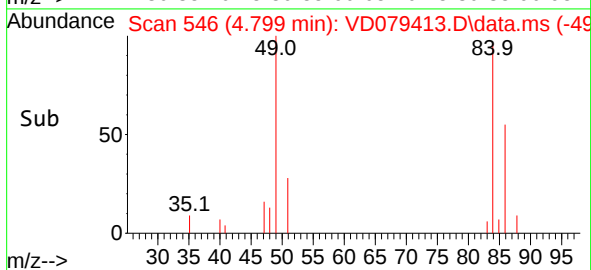
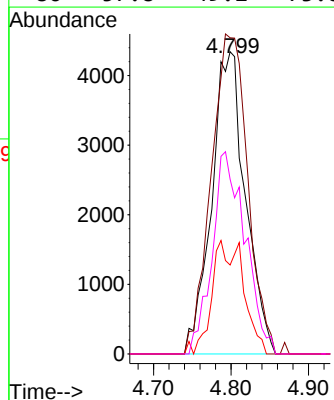
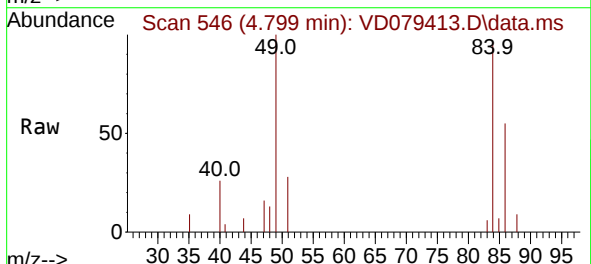
Instrument :
MSVOA_D
ClientSampleId :

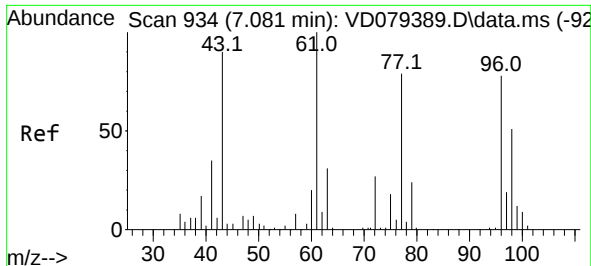
Tgt Ion: 43 Resp: 451
Ion Ratio Lower Upper
43 100
58 0.0 30.4 45.6#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.799 min Scan# 546
Delta R.T. -0.000 min
Lab File: VD079413.D
Acq: 26 Jul 2024 17:42

Tgt Ion: 84 Resp: 13205
Ion Ratio Lower Upper
84 100
49 104.6 75.6 113.4
51 29.4 24.2 36.2
86 57.8 49.2 73.8





#25

2-Butanone

Concen: 4.672 ug/l

RT: 7.075 min Scan# 91

Delta R.T. -0.006 min

Lab File: VD079413.D

Acq: 26 Jul 2024 17:42

Instrument :

MSVOA_D

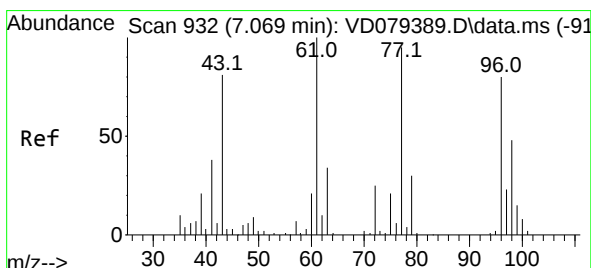
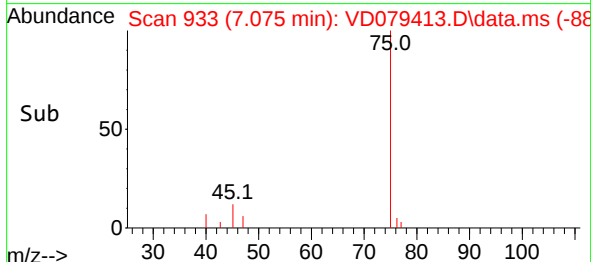
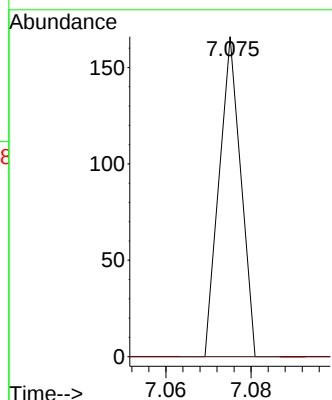
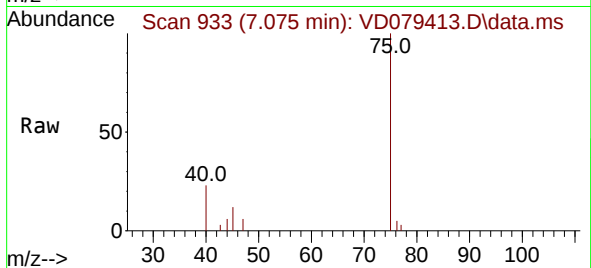
ClientSampleId :

Tgt Ion: 43 Resp: 59

Ion Ratio Lower Upper

43 100

72 0.0 26.4 39.6#



#26

2,2-Dichloropropane

Concen: Below Cal

RT: 7.069 min Scan# 932

Delta R.T. -0.000 min

Lab File: VD079413.D

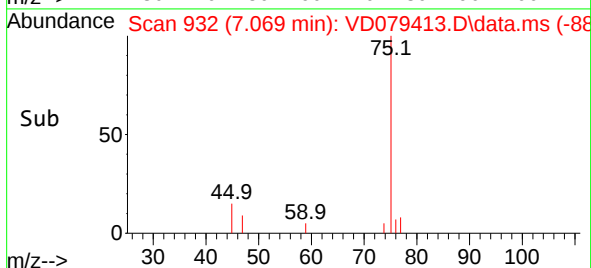
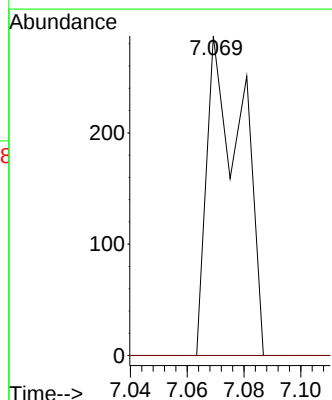
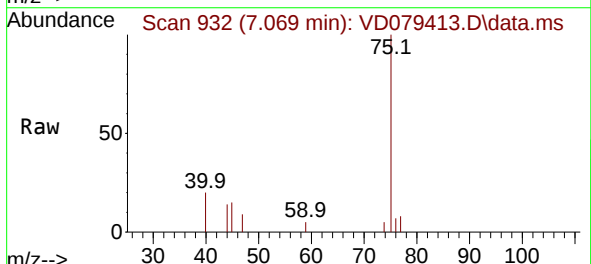
Acq: 26 Jul 2024 17:42

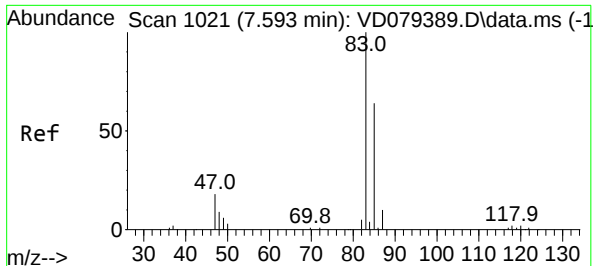
Tgt Ion: 77 Resp: 246

Ion Ratio Lower Upper

77 100

97 0.0 12.4 37.2#

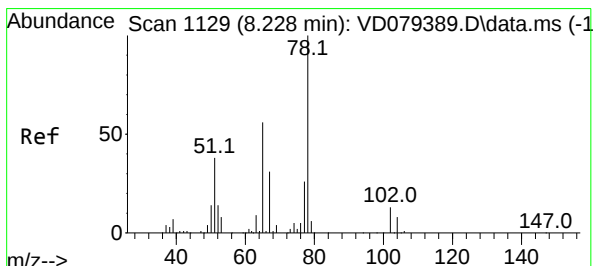
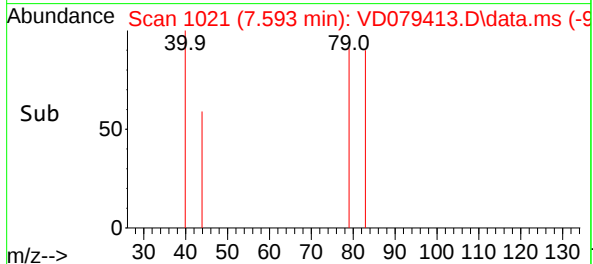
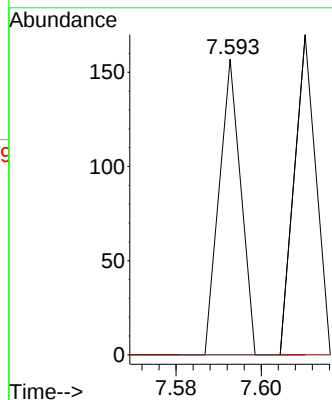
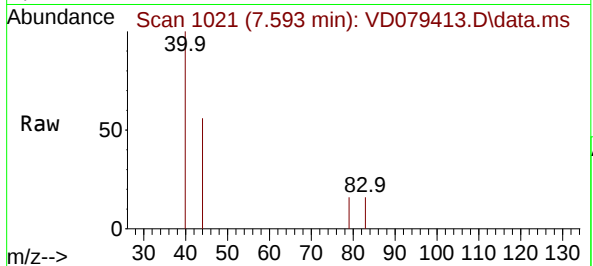




#30
Chloroform
Concen: Below Cal
RT: 7.593 min Scan# 1130
Delta R.T. -0.000 min
Lab File: VD079413.D
Acq: 26 Jul 2024 17:42

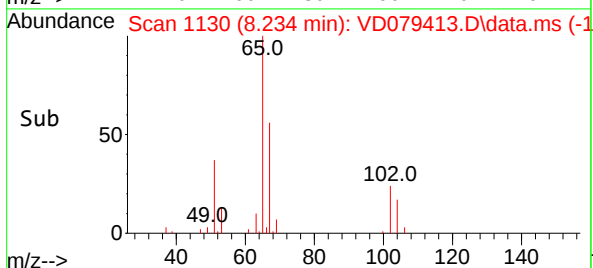
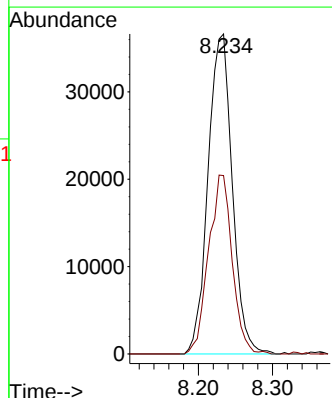
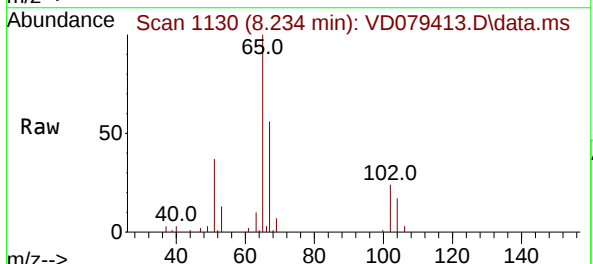
Instrument :
MSVOA_D
ClientSampleId :

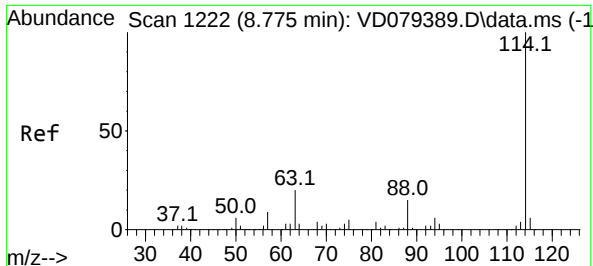
Tgt Ion: 83 Resp: 55
Ion Ratio Lower Upper
83 100
85 0.0 51.8 77.6#



#33
1,2-Dichloroethane-d4
Concen: 72.241 ug/l
RT: 8.234 min Scan# 1130
Delta R.T. 0.006 min
Lab File: VD079413.D
Acq: 26 Jul 2024 17:42

Tgt Ion: 65 Resp: 83210
Ion Ratio Lower Upper
65 100
67 54.5 0.0 111.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.775 min Scan# 1

Delta R.T. -0.000 min

Lab File: VD079413.D

Acq: 26 Jul 2024 17:42

Instrument :

MSVOA_D

ClientSampleId :

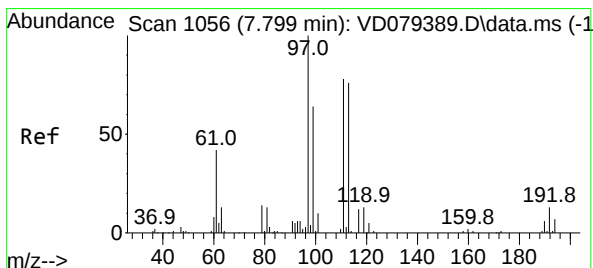
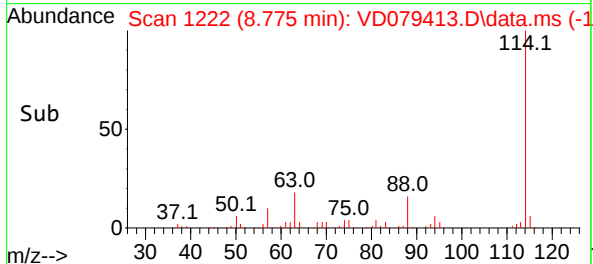
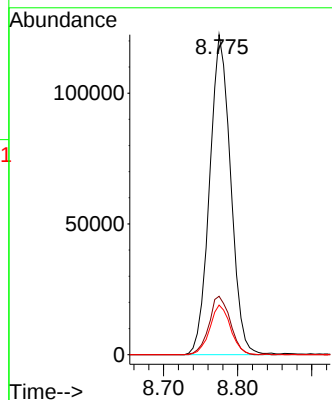
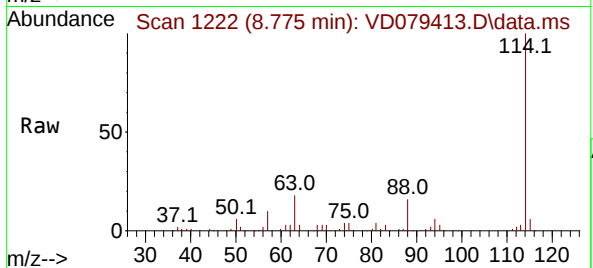
Tgt Ion:114 Resp: 241138

Ion Ratio Lower Upper

114 100

63 18.3 0.0 34.0

88 15.5 0.0 27.2



#35

Dibromofluoromethane

Concen: 62.045 ug/l

RT: 7.804 min Scan# 1057

Delta R.T. -0.000 min

Lab File: VD079413.D

Acq: 26 Jul 2024 17:42

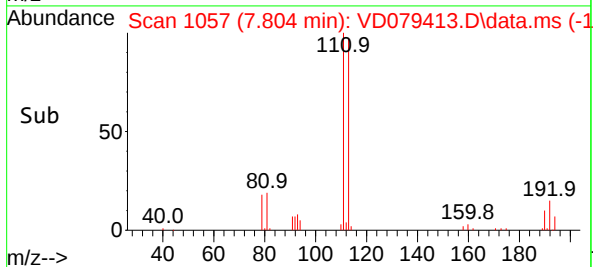
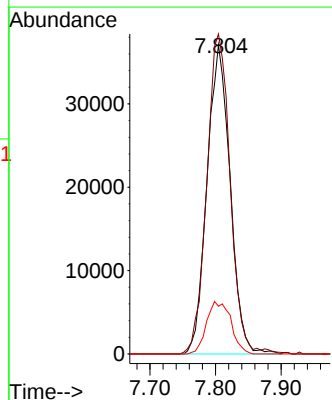
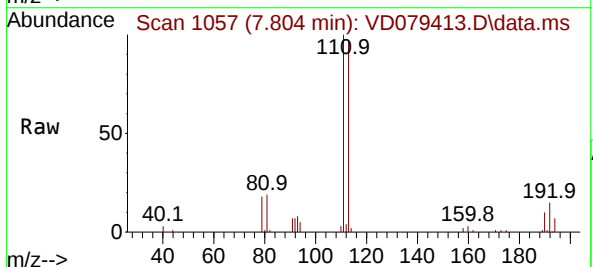
Tgt Ion:113 Resp: 90948

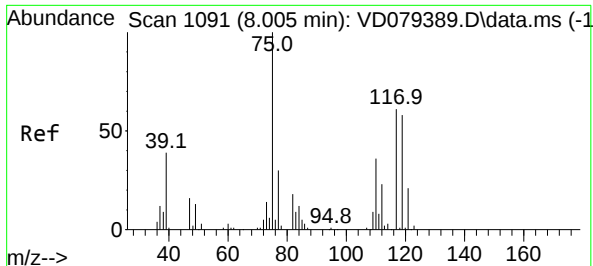
Ion Ratio Lower Upper

113 100

111 104.6 84.0 126.0

192 17.9 15.4 23.0





#36

1,1-Dichloropropene

Concen: 4.066 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.130 min

Lab File: VD079413.D

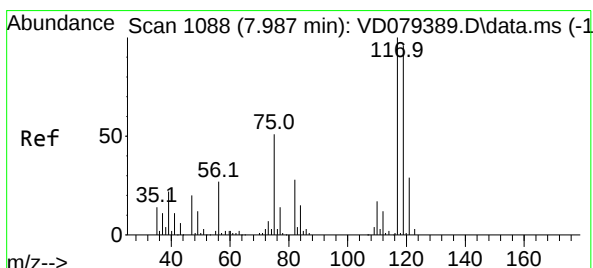
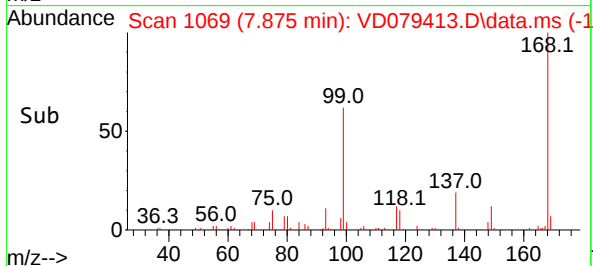
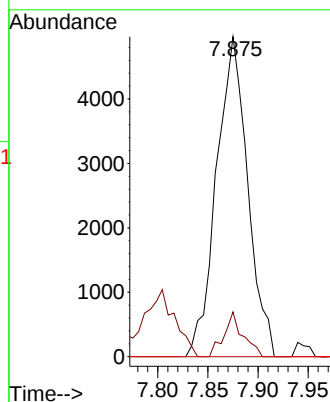
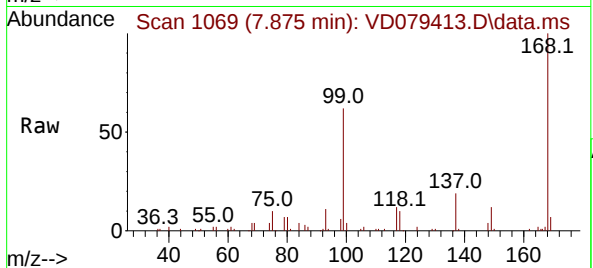
Acq: 26 Jul 2024 17:42

Instrument :

MSVOA_D

ClientSampleId :

Tgt Ion:	75	Resp:	10760
Ion	Ratio	Lower	Upper
75	100		
110	8.4	19.6	58.7#
77	0.0	26.1	39.1#



#38

Carbon Tetrachloride

Concen: 3.792 ug/l

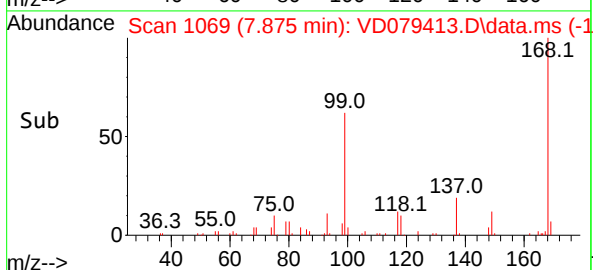
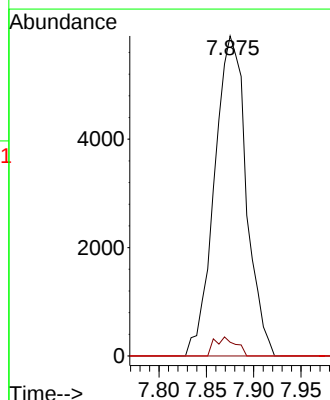
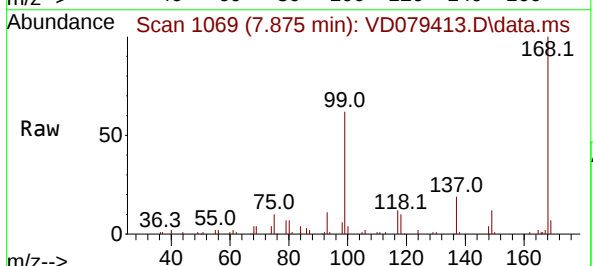
RT: 7.875 min Scan# 1069

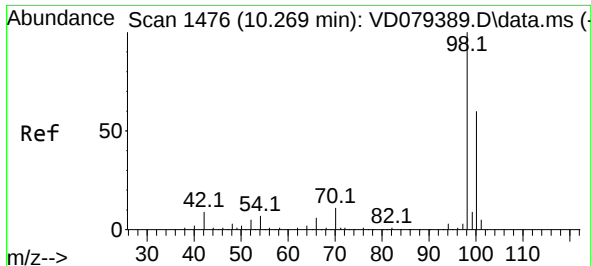
Delta R.T. -0.118 min

Lab File: VD079413.D

Acq: 26 Jul 2024 17:42

Tgt Ion:	117	Resp:	13828
Ion	Ratio	Lower	Upper
117	100		
119	4.3	75.4	113.0#
121	0.0	25.0	37.4#

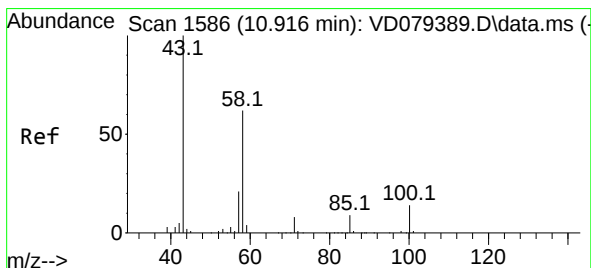
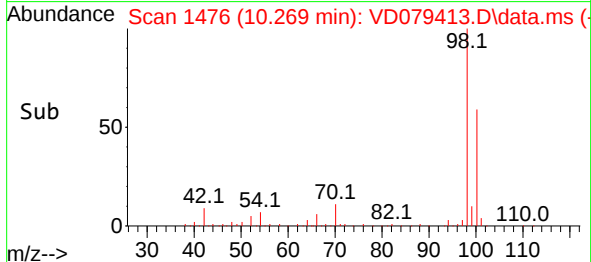
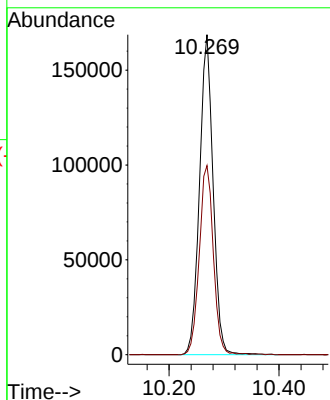
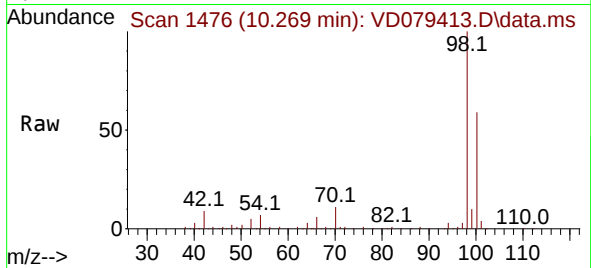




#50
Toluene-d8
Concen: 50.303 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. -0.000 min
Lab File: VD079413.D
Acq: 26 Jul 2024 17:42

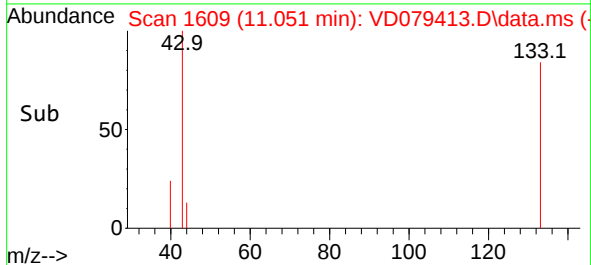
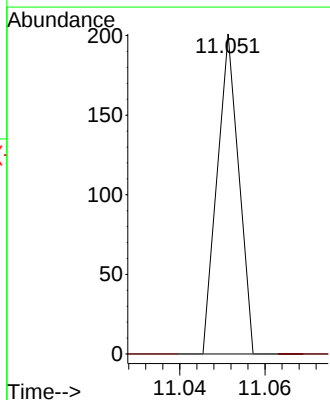
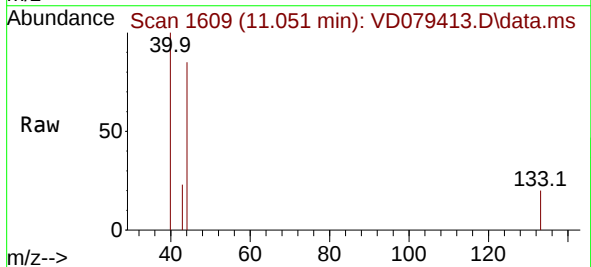
Instrument :
MSVOA_D
ClientSampleId :

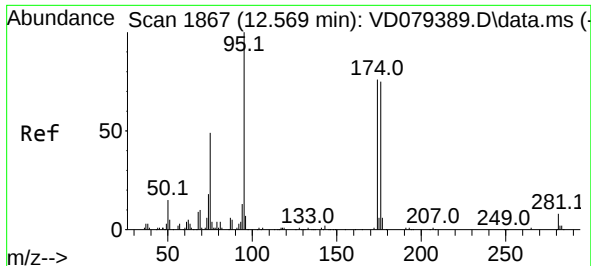
Tgt Ion: 98 Resp: 289018
Ion Ratio Lower Upper
98 100
100 61.4 51.6 77.4



#59
2-Hexanone
Concen: 1.818 ug/l
RT: 11.051 min Scan# 1609
Delta R.T. 0.135 min
Lab File: VD079413.D
Acq: 26 Jul 2024 17:42

Tgt Ion: 43 Resp: 71
Ion Ratio Lower Upper
43 100
58 0.0 31.1 93.5#

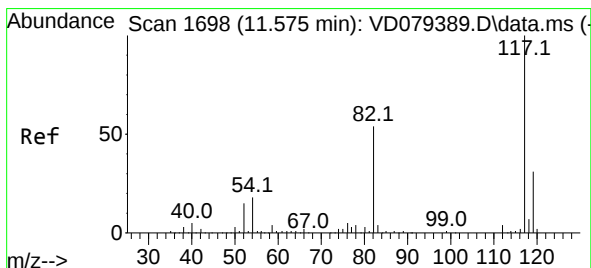
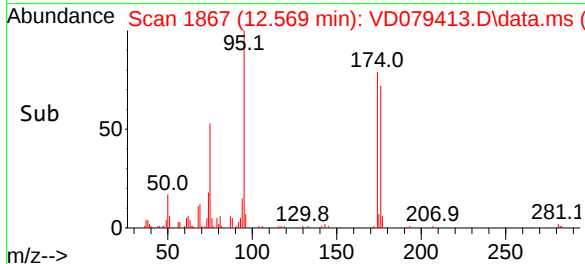
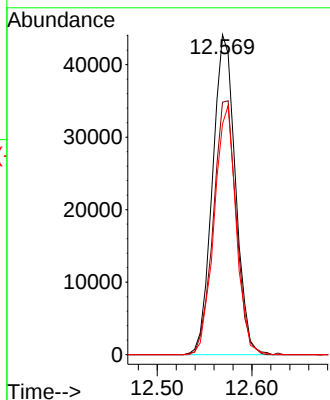
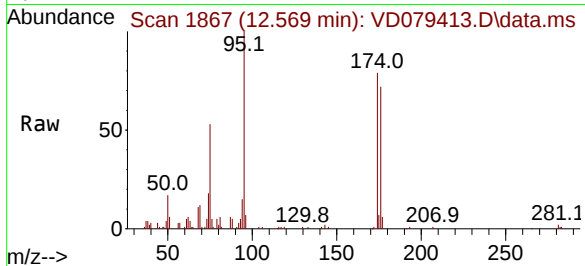




#62
4-Bromofluorobenzene
Concen: 41.319 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. -0.000 min
Lab File: VD079413.D
Acq: 26 Jul 2024 17:42

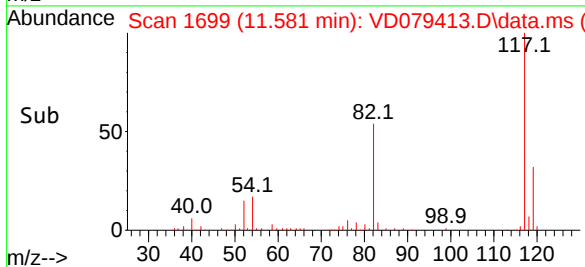
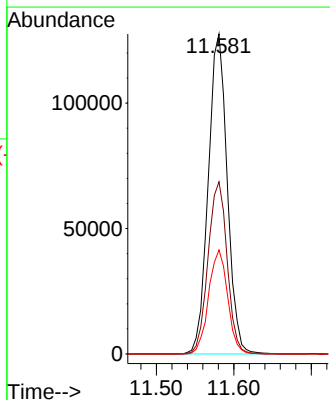
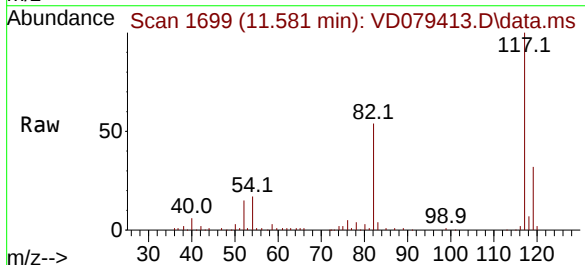
Instrument :
MSVOA_D
ClientSampleId :

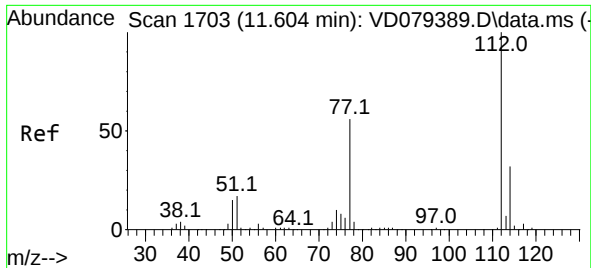
Tgt Ion: 95 Resp: 74105
Ion Ratio Lower Upper
95 100
174 79.6 0.0 195.4
176 74.6 0.0 192.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. -0.000 min
Lab File: VD079413.D
Acq: 26 Jul 2024 17:42

Tgt Ion: 117 Resp: 217026
Ion Ratio Lower Upper
117 100
82 53.8 39.8 59.6
119 32.5 25.7 38.5

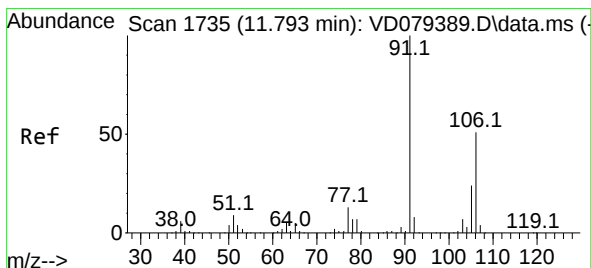
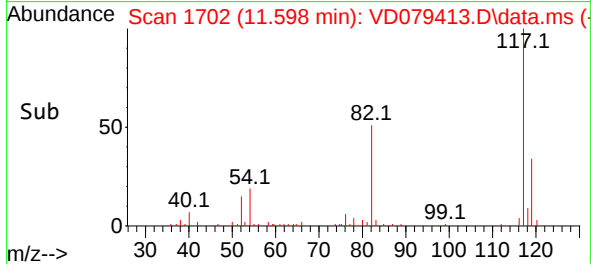
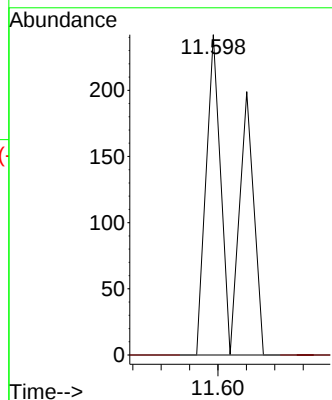
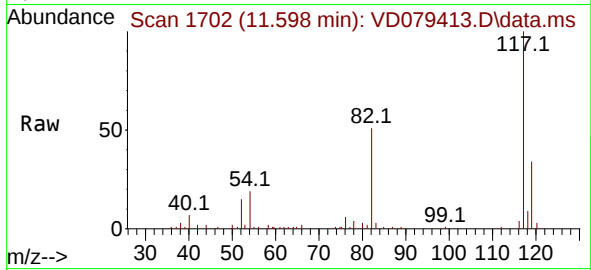




#65
Chlorobenzene
Concen: Below Cal
RT: 11.598 min Scan# 11
Delta R.T. -0.006 min
Lab File: VD079413.D
Acq: 26 Jul 2024 17:42

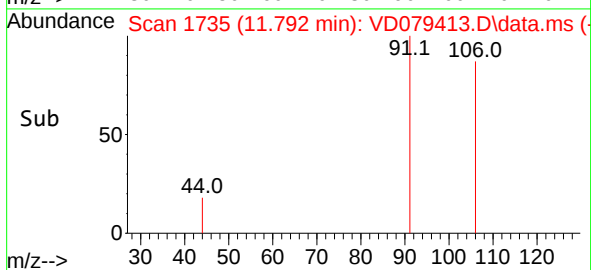
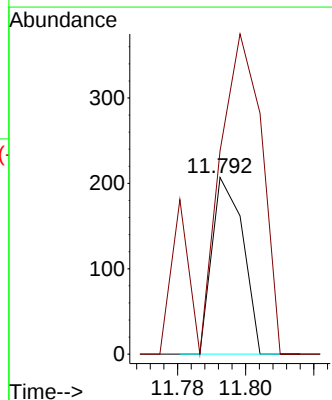
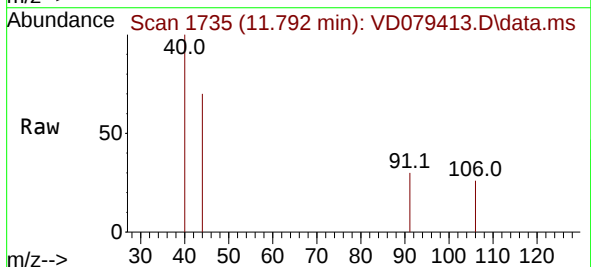
Instrument :
MSVOA_D
ClientSampleId :

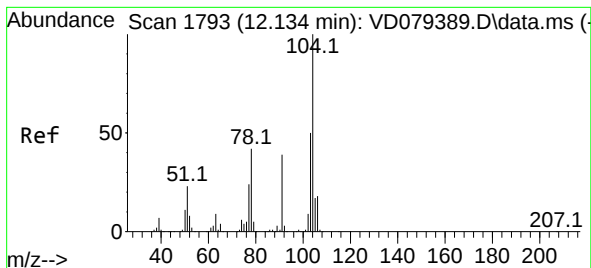
Tgt Ion:112 Resp: 156
Ion Ratio Lower Upper
112 100
114 0.0 26.0 39.0#



#68
m/p-Xylenes
Concen: 1.466 ug/l
RT: 11.792 min Scan# 1735
Delta R.T. -0.000 min
Lab File: VD079413.D
Acq: 26 Jul 2024 17:42

Tgt Ion:106 Resp: 130
Ion Ratio Lower Upper
106 100
91 292.3 148.5 222.7#





#70

Styrene

Concen: 1.182 ug/l

RT: 12.139 min Scan# 11

Delta R.T. 0.006 min

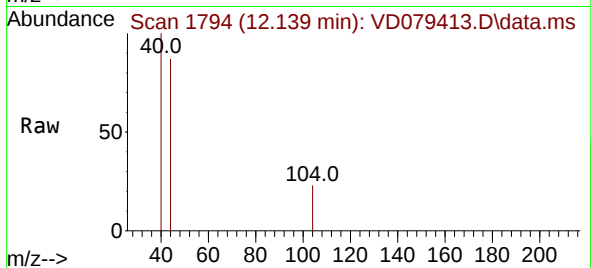
Lab File: VD079413.D

Acq: 26 Jul 2024 17:42

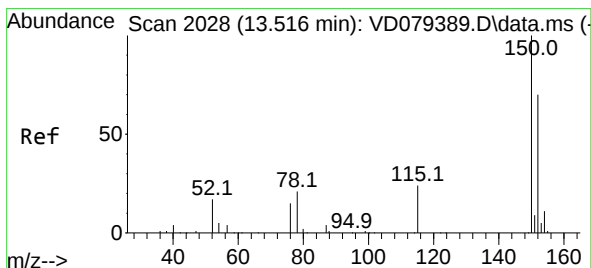
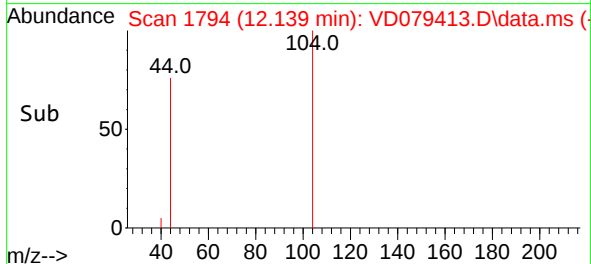
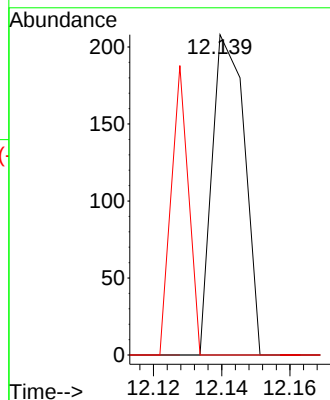
Instrument :

MSVOA_D

ClientSampleId :



Tgt Ion:	104	Resp:	137
Ion Ratio	Lower	Upper	
104	100		
78	0.0	33.0	49.6#
103	48.2	44.2	66.4



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

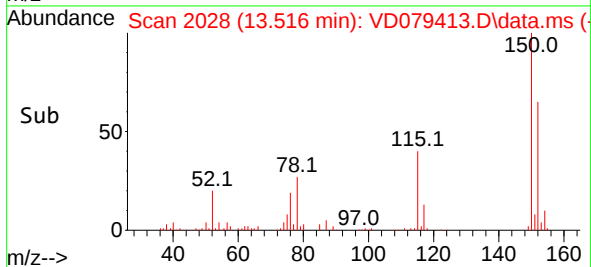
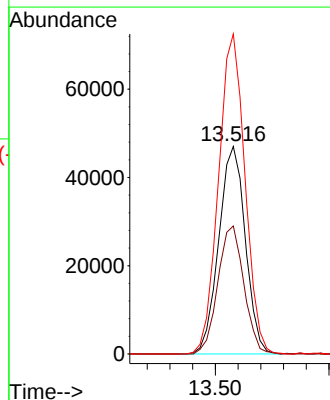
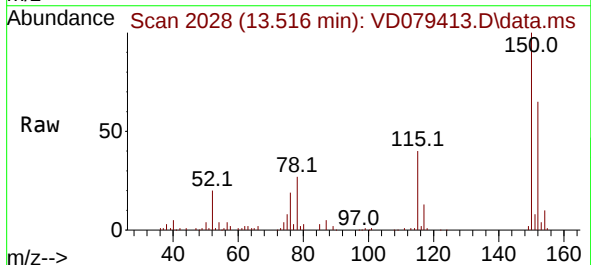
RT: 13.516 min Scan# 2028

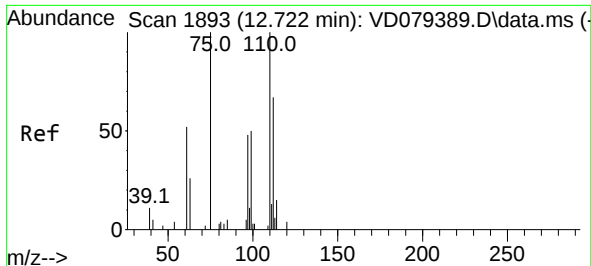
Delta R.T. -0.000 min

Lab File: VD079413.D

Acq: 26 Jul 2024 17:42

Tgt Ion:	152	Resp:	76273
Ion Ratio	Lower	Upper	
152	100		
115	60.4	26.5	79.5
150	153.5	0.0	341.6

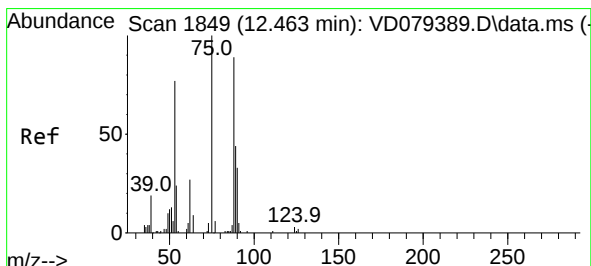
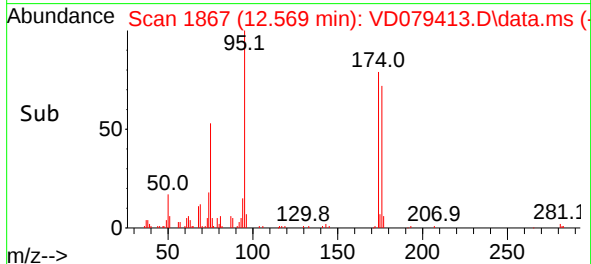
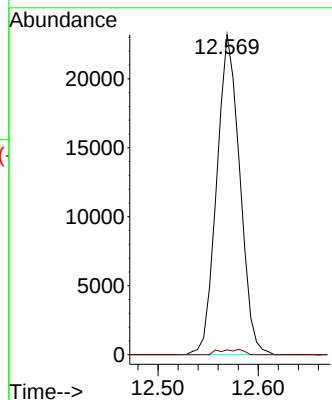
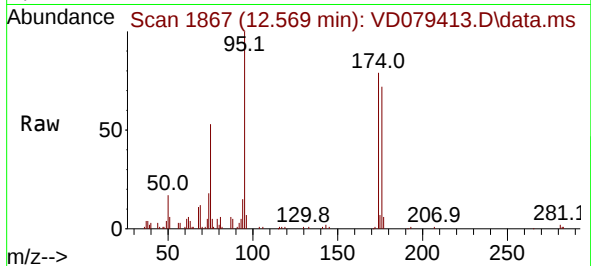




#76
1,2,3-Trichloropropane
Concen: 49.783 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. -0.153 min
Lab File: VD079413.D
Acq: 26 Jul 2024 17:42

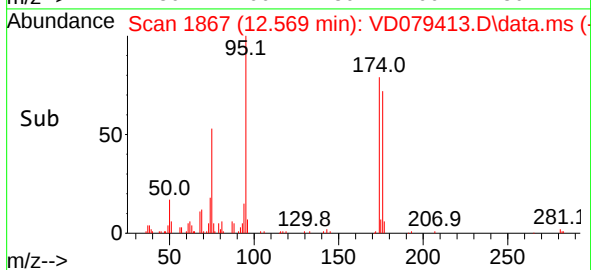
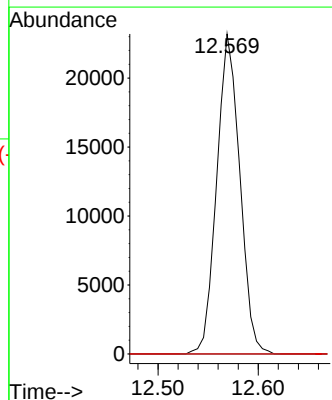
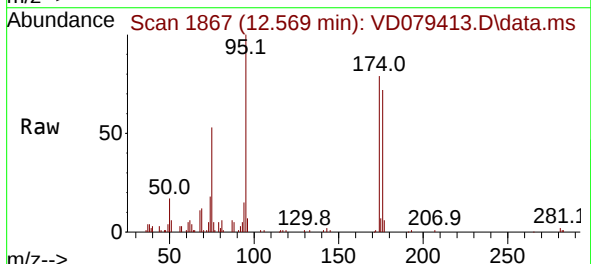
Instrument :
MSVOA_D
ClientSampleId :

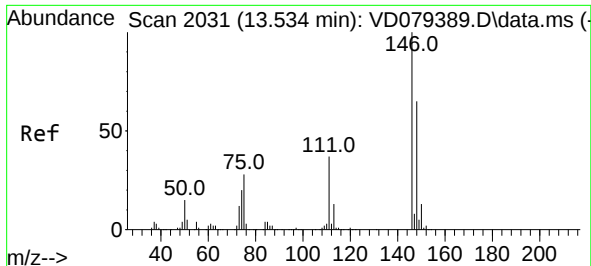
Tgt Ion: 75 Resp: 37045
Ion Ratio Lower Upper
75 100
77 1.7 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 104.416 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. 0.106 min
Lab File: VD079413.D
Acq: 26 Jul 2024 17:42

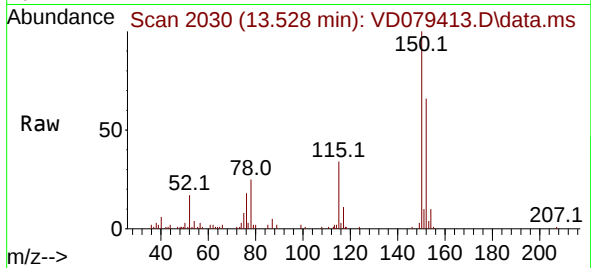
Tgt Ion: 75 Resp: 37045
Ion Ratio Lower Upper
75 100
53 0.0 61.4 92.2#
89 0.0 35.4 53.0#



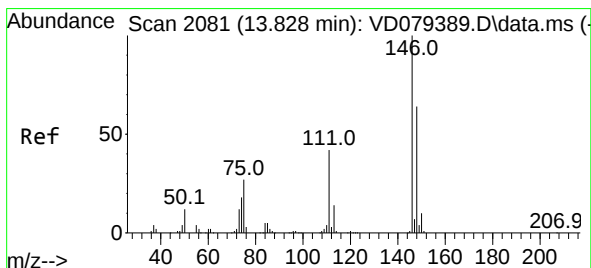
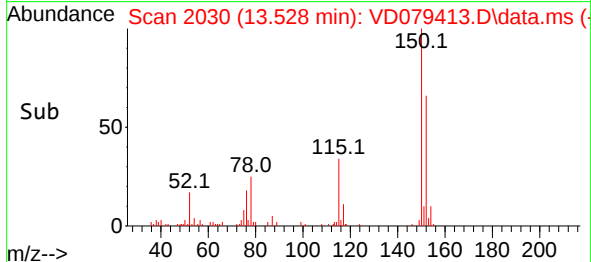
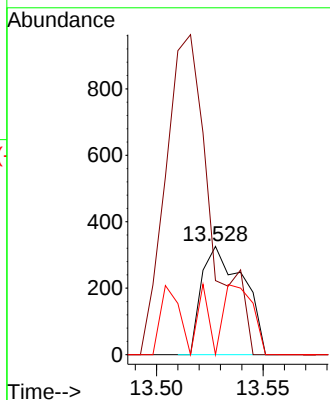


#88
1,4-Dichlorobenzene
Concen: Below Cal
RT: 13.528 min Scan# 2031
Delta R.T. -0.006 min
Lab File: VD079413.D
Acq: 26 Jul 2024 17:42

Instrument :
MSVOA_D
ClientSampleId :

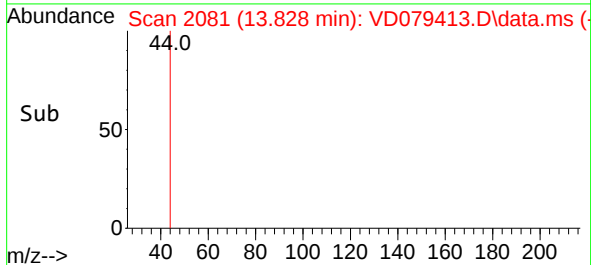
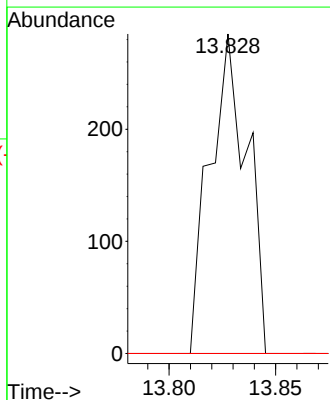
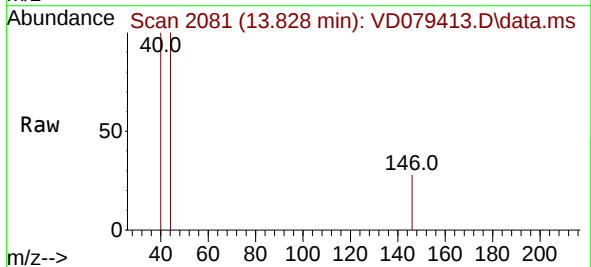


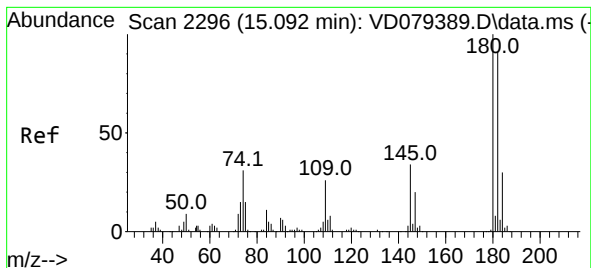
Tgt Ion:146 Resp: 443
Ion Ratio Lower Upper
146 100
111 316.7 17.5 52.6#
148 62.1 31.4 94.2



#91
1,2-Dichlorobenzene
Concen: Below Cal
RT: 13.828 min Scan# 2081
Delta R.T. -0.000 min
Lab File: VD079413.D
Acq: 26 Jul 2024 17:42

Tgt Ion:146 Resp: 347
Ion Ratio Lower Upper
146 100
111 0.0 19.1 57.1#
148 0.0 31.1 93.5#





#93

1,2,4-Trichlorobenzene

Concen: 1.478 ug/l

RT: 15.098 min Scan# 2296

Delta R.T. 0.006 min

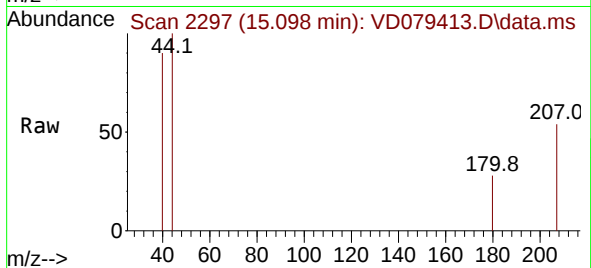
Lab File: VD079413.D

Acq: 26 Jul 2024 17:42

Instrument :

MSVOA_D

ClientSampleId :



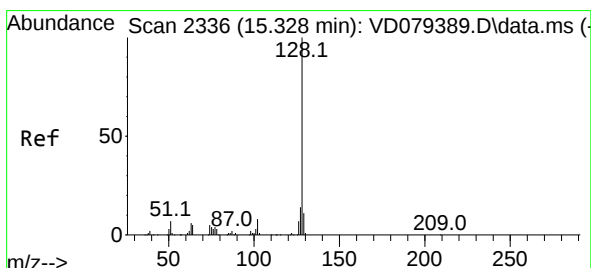
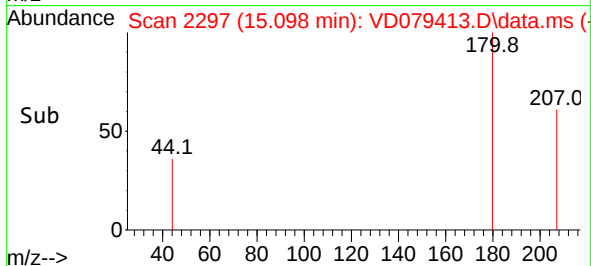
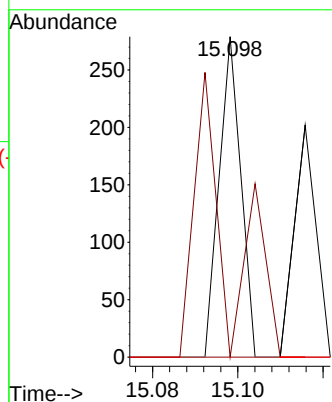
Tgt Ion:180 Resp: 98

Ion Ratio Lower Upper

180 100

182 143.9 46.9 140.7#

145 0.0 14.0 41.9#



#95

Naphthalene

Concen: 3.019 ug/l

RT: 15.328 min Scan# 2336

Delta R.T. -0.000 min

Lab File: VD079413.D

Acq: 26 Jul 2024 17:42

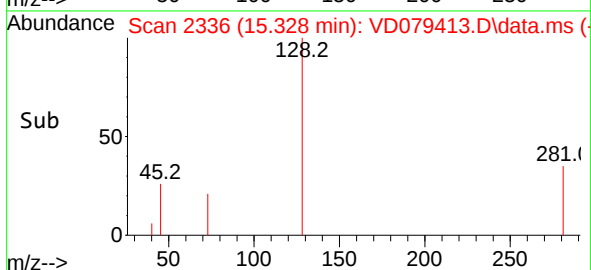
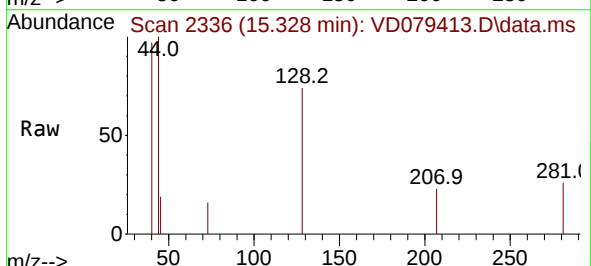
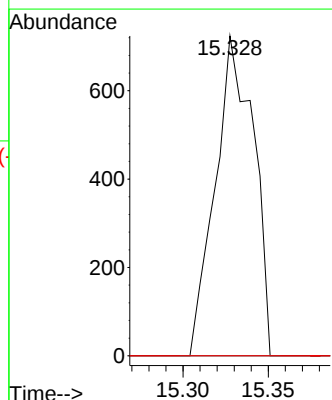
Tgt Ion:128 Resp: 1132

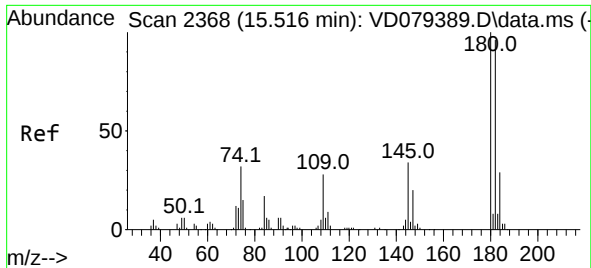
Ion Ratio Lower Upper

128 100

127 0.0 10.2 15.4#

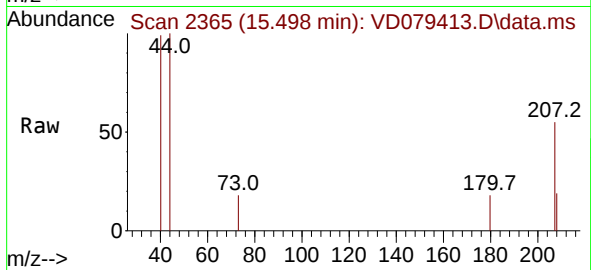
129 0.0 8.5 12.7#





#96
 1,2,3-Trichlorobenzene
 Concen: 1.023 ug/l
 RT: 15.498 min Scan# 21
 Delta R.T. -0.018 min
 Lab File: VD079413.D
 Acq: 26 Jul 2024 17:42

Instrument :
 MSVOA_D
 ClientSampleId :



Tgt Ion:180 Resp: 57
 Ion Ratio Lower Upper
 180 100
 182 114.0 47.8 143.3
 145 0.0 16.1 48.2#

