

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD080624\
 Data File : VD079629.D
 Acq On : 06 Aug 2024 18:06
 Operator : RP/MD
 Sample : P3448-13RE
 Misc : 5.24G/5.0ml/MSVOA_D/SOIL/B
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Aug 07 02:50:04 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D072924S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 30 03:50:47 2024
 Response via : Initial Calibration

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

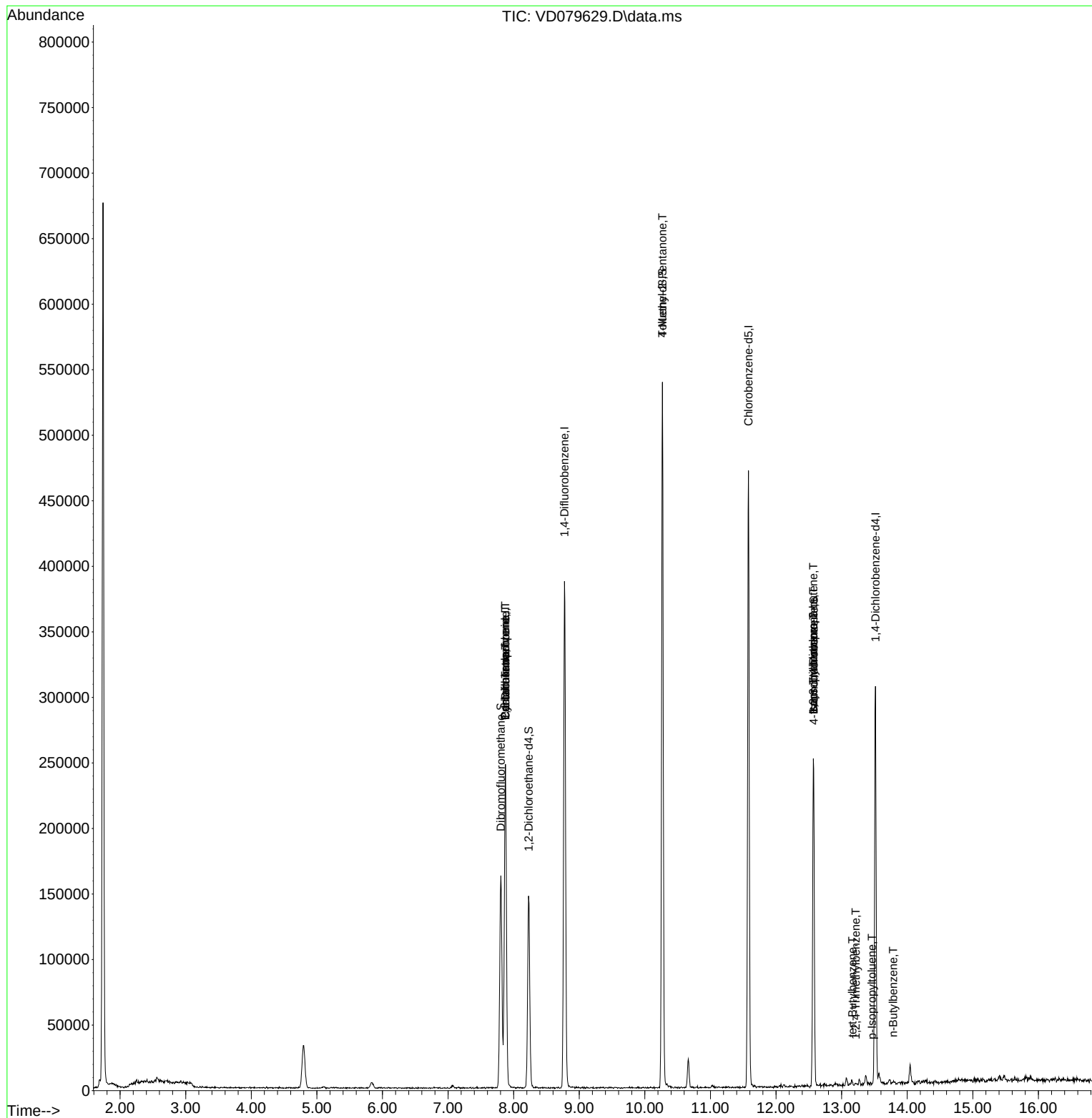
Internal Standards						
1) Pentafluorobenzene	7.875	168	191275	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	356802	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	272133	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	81889	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	112621	57.957	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	115.920%
35) Dibromofluoromethane	7.804	113	120277	49.804	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	99.600%
50) Toluene-d8	10.269	98	377695	40.273	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	80.540%
62) 4-Bromofluorobenzene	12.575	95	74398	27.414	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	54.820%
Target Compounds						
					Qvalue	
5) Bromomethane	2.693	94	699	Below Cal		80
20) Methylene Chloride	4.793	84	25950	Below Cal	#	88
31) Cyclohexane	7.875	56	3728	1.155	ug/l #	28
36) 1,1-Dichloropropene	7.875	75	15599	4.732	ug/l #	45
38) Carbon Tetrachloride	7.875	117	18439	5.321	ug/l #	20
51) 4-Methyl-2-Pentanone	10.269	43	1796	1.385	ug/l #	1
73) Isopropylbenzene	12.569	105	202	3.658	ug/l	98
76) 1,2,3-Trichloropropane	12.569	75	38352	53.580	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.569	75	38352	102.191	ug/l #	19
83) tert-Butylbenzene	13.163	119	59	3.640	ug/l #	1
84) 1,2,4-Trimethylbenzene	13.216	105	916	3.595	ug/l	81
86) p-Isopropyltoluene	13.463	119	69	3.897	ug/l #	1
89) n-Butylbenzene	13.786	91	287	3.832	ug/l #	51

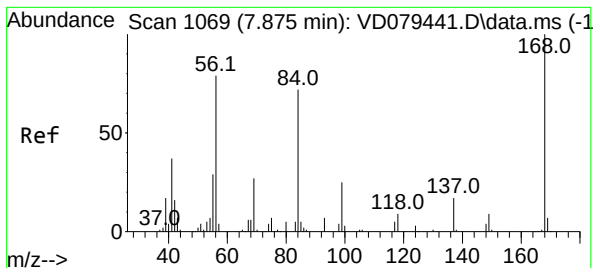
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Jul 30 03:50:47 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: VD079629.D

Acq: 06 Aug 2024 18:06

Instrument :

MSVOA_D

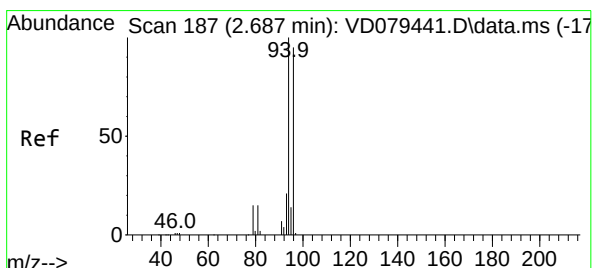
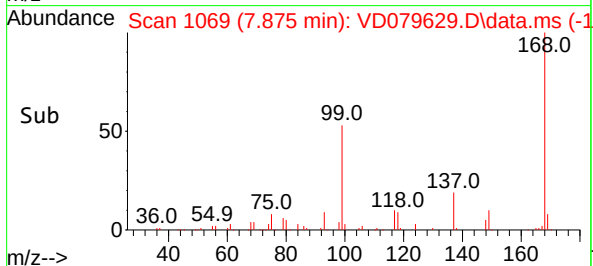
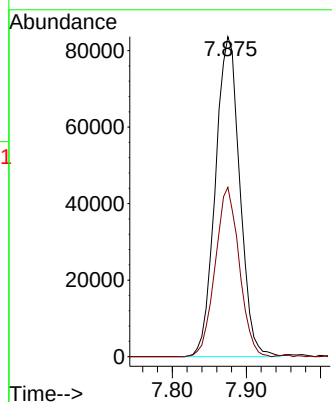
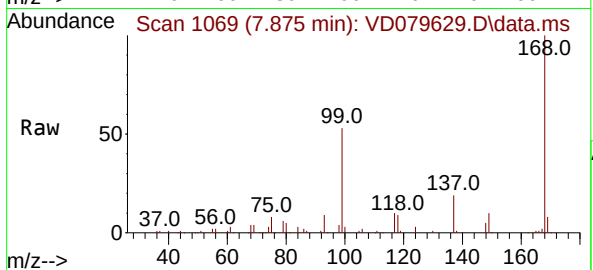
ClientSampleId :

Tgt Ion:168 Resp: 191275

Ion Ratio Lower Upper

168 100

99 53.0 41.1 61.7



#5

Bromomethane

Concen: Below Cal

RT: 2.693 min Scan# 188

Delta R.T. 0.006 min

Lab File: VD079629.D

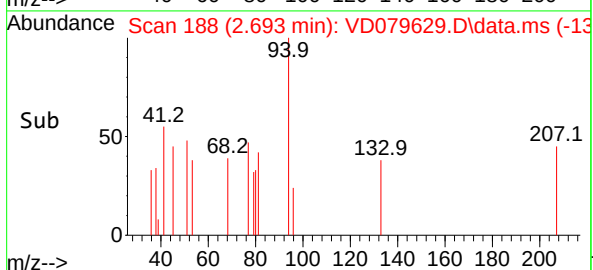
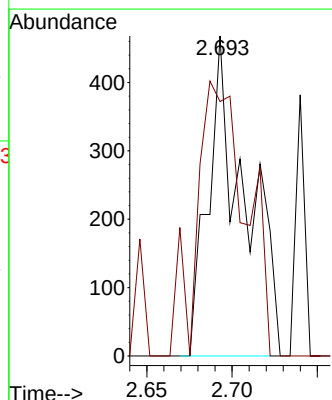
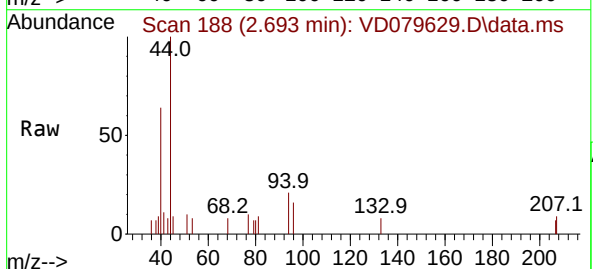
Acq: 06 Aug 2024 18:06

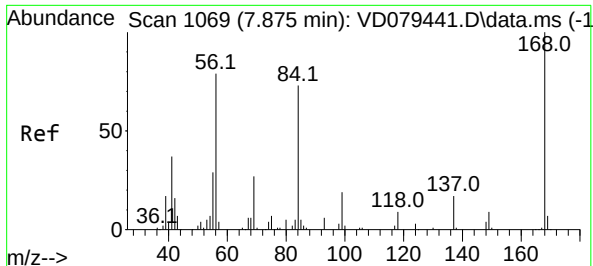
Tgt Ion: 94 Resp: 699

Ion Ratio Lower Upper

94 100

96 115.3 76.9 115.3





#31

Cyclohexane

Concen: 1.155 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.006 min

Lab File: VD079629.D

Acq: 06 Aug 2024 18:06

Instrument :

MSVOA_D

ClientSampleId :

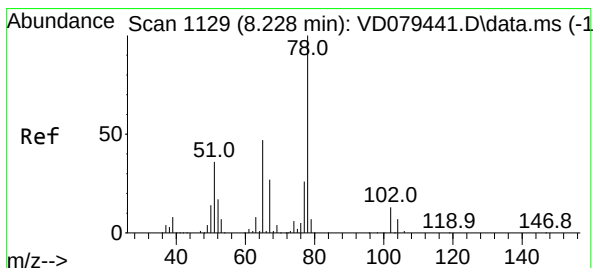
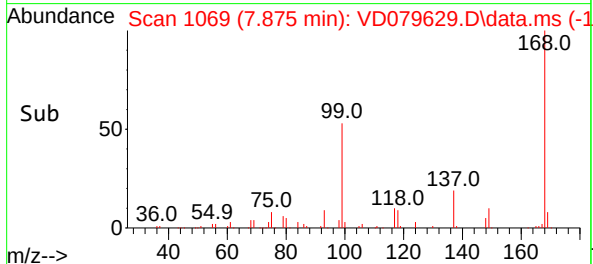
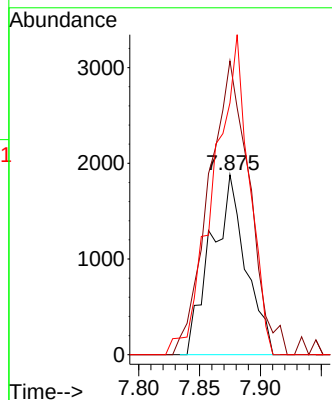
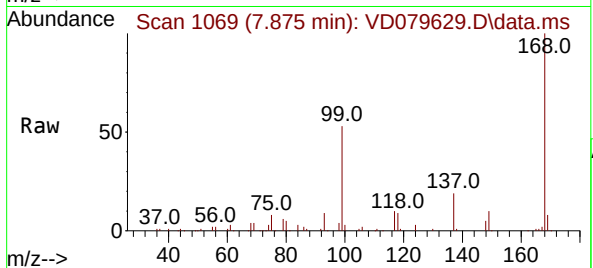
Tgt Ion: 56 Resp: 3728

Ion Ratio Lower Upper

56 100

69 153.7 28.0 42.0#

84 140.0 87.4 131.0#



#33

1,2-Dichloroethane-d4

Concen: 57.957 ug/l

RT: 8.228 min Scan# 1129

Delta R.T. -0.000 min

Lab File: VD079629.D

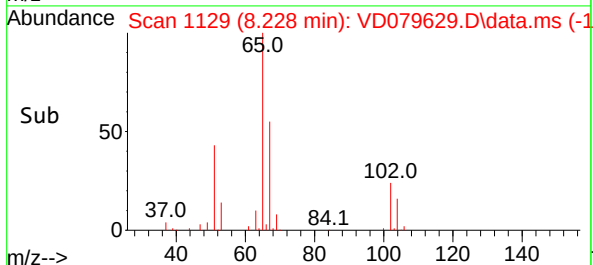
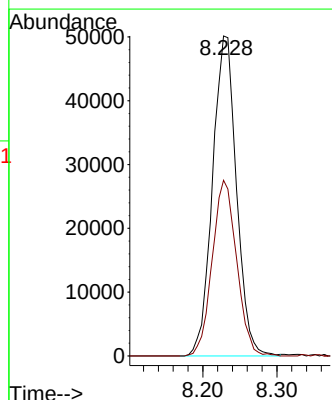
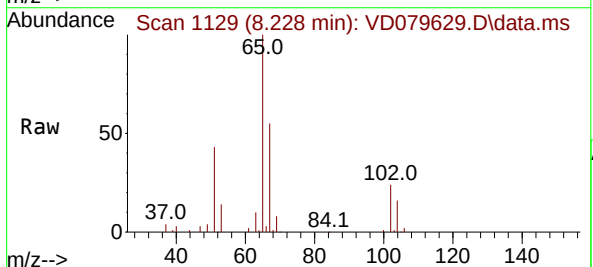
Acq: 06 Aug 2024 18:06

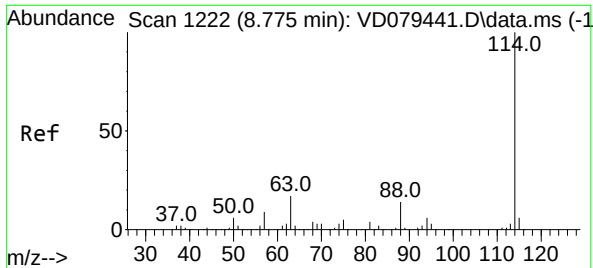
Tgt Ion: 65 Resp: 112621

Ion Ratio Lower Upper

65 100

67 55.8 0.0 111.0

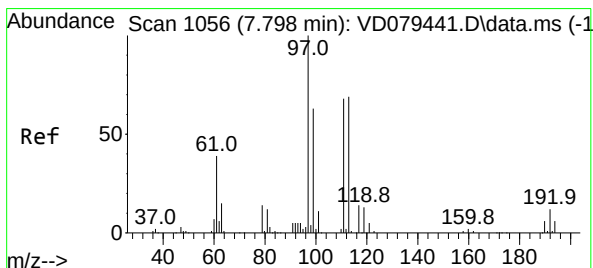
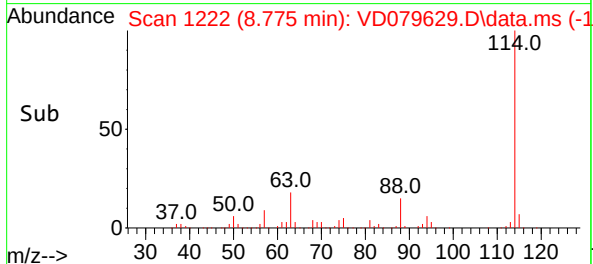
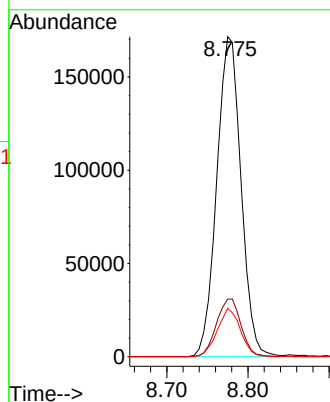
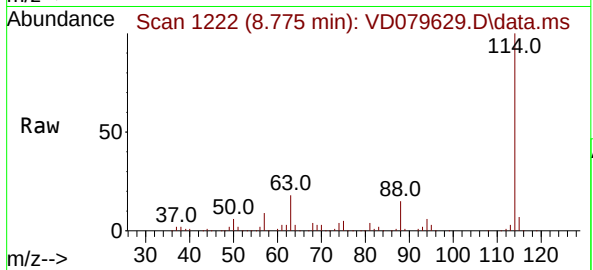




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.775 min Scan# 11
Delta R.T. -0.000 min
Lab File: VD079629.D
Acq: 06 Aug 2024 18:06

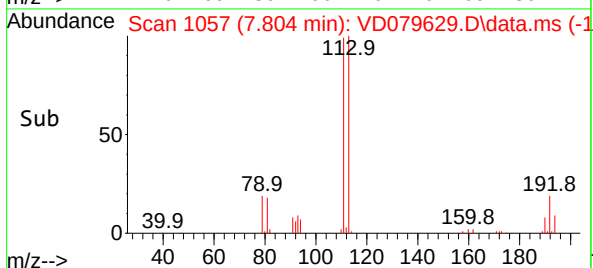
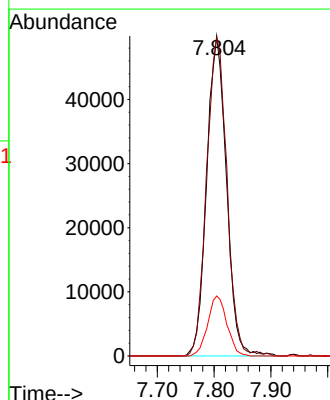
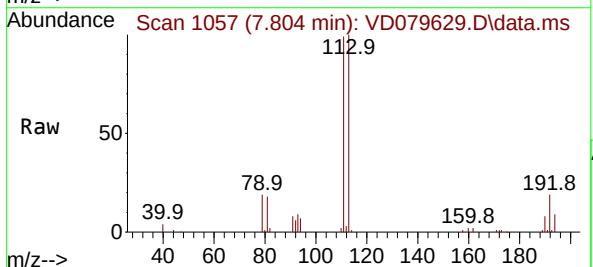
Instrument :
MSVOA_D
ClientSampleId :

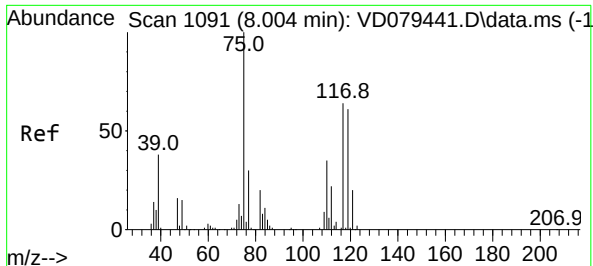
Tgt Ion:114	Resp: 356802
Ion Ratio	Lower Upper
114	100
63	18.0 0.0 34.0
88	15.1 0.0 27.2



#35
Dibromofluoromethane
Concen: 49.804 ug/l
RT: 7.804 min Scan# 1057
Delta R.T. -0.000 min
Lab File: VD079629.D
Acq: 06 Aug 2024 18:06

Tgt Ion:113	Resp: 120277
Ion Ratio	Lower Upper
113	100
111	102.1 84.0 126.0
192	18.2 15.4 23.0





#36

1,1-Dichloropropene

Concen: 4.732 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.135 min

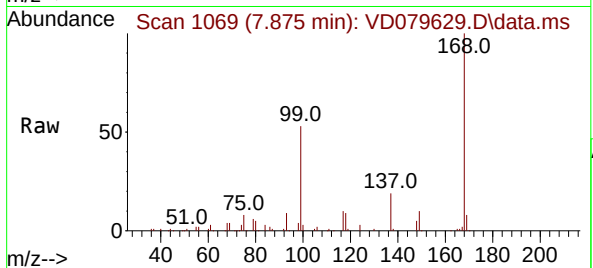
Lab File: VD079629.D

Acq: 06 Aug 2024 18:06

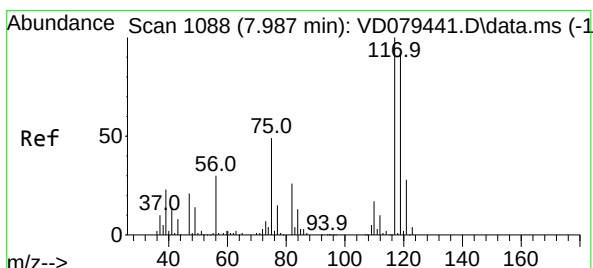
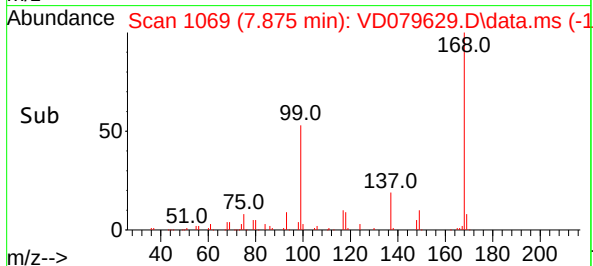
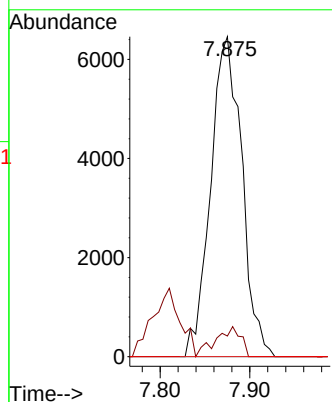
Instrument :

MSVOA_D

ClientSampleId :



Tgt Ion:	75	Resp:	15599
Ion Ratio	Lower	Upper	
75	100		
110	7.1	19.6	58.7#
77	0.0	26.1	39.1#



#38

Carbon Tetrachloride

Concen: 5.321 ug/l

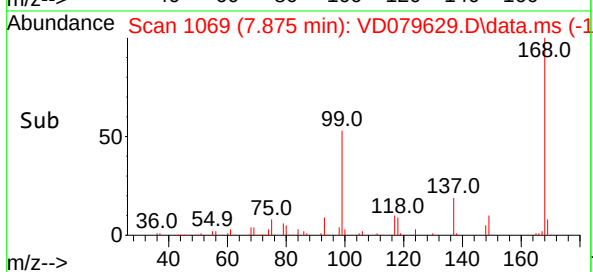
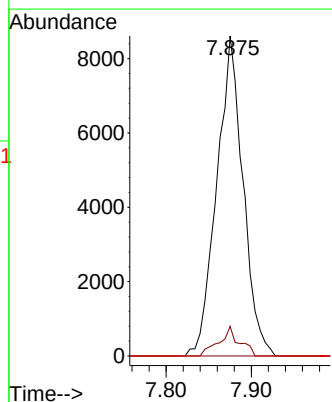
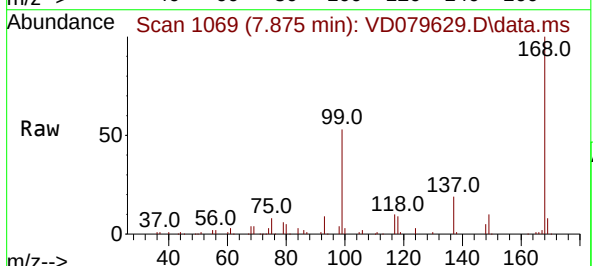
RT: 7.875 min Scan# 1069

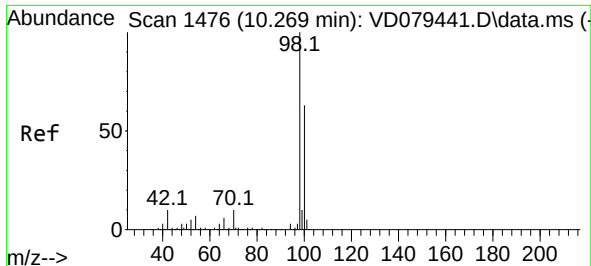
Delta R.T. -0.112 min

Lab File: VD079629.D

Acq: 06 Aug 2024 18:06

Tgt Ion:	117	Resp:	18439
Ion Ratio	Lower	Upper	
117	100		
119	9.2	75.4	113.0#
121	0.0	25.0	37.4#

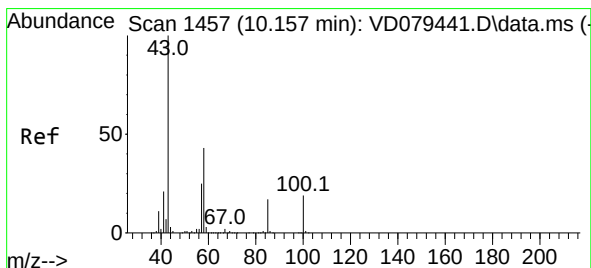
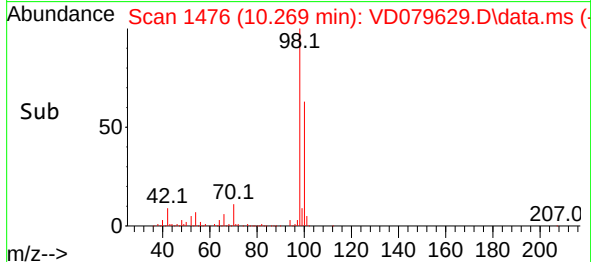
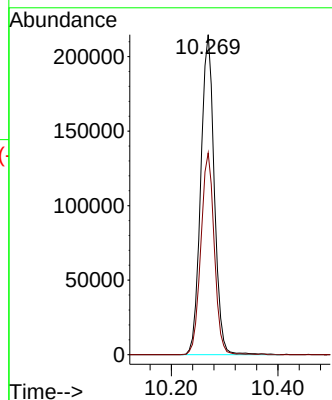
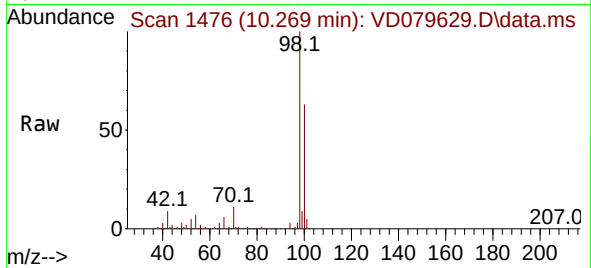




#50
Toluene-d8
Concen: 40.273 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.006 min
Lab File: VD079629.D
Acq: 06 Aug 2024 18:06

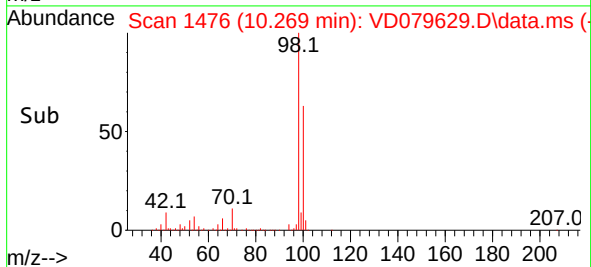
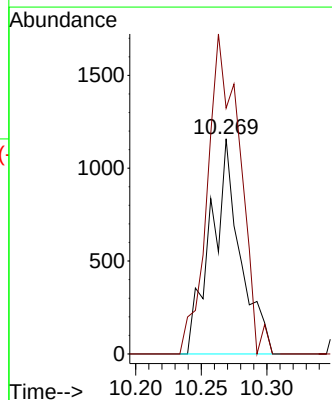
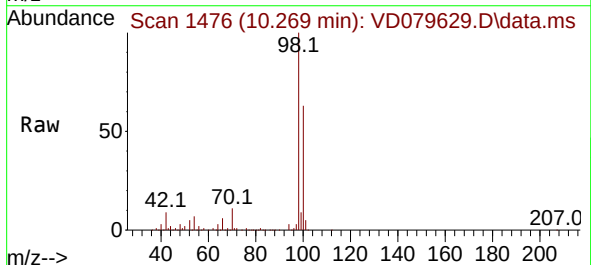
Instrument :
MSVOA_D
ClientSampleId :

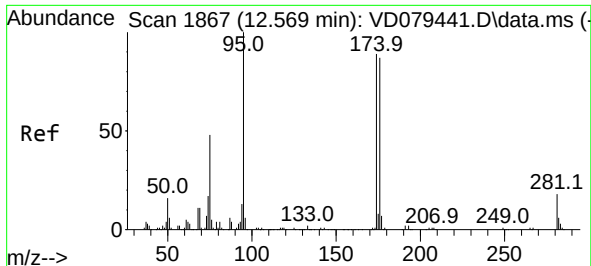
Tgt Ion: 98 Resp: 377695
Ion Ratio Lower Upper
98 100
100 62.6 51.6 77.4



#51
4-Methyl-2-Pentanone
Concen: 1.385 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.112 min
Lab File: VD079629.D
Acq: 06 Aug 2024 18:06

Tgt Ion: 43 Resp: 1796
Ion Ratio Lower Upper
43 100
58 164.7 36.6 55.0#

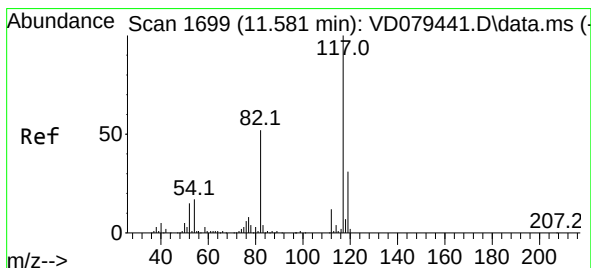
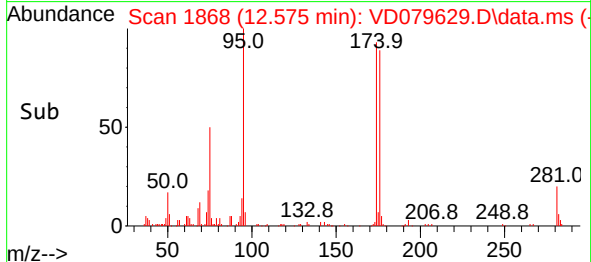
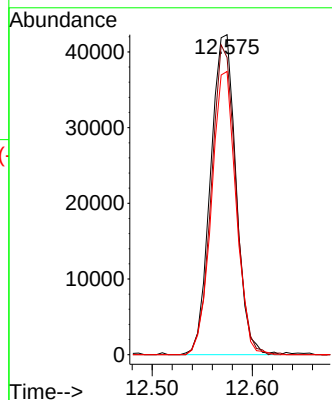
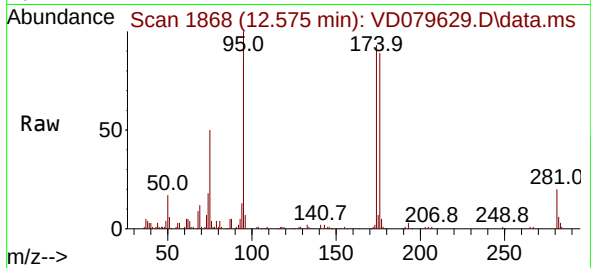




#62
4-Bromofluorobenzene
Concen: 27.414 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.006 min
Lab File: VD079629.D
Acq: 06 Aug 2024 18:06

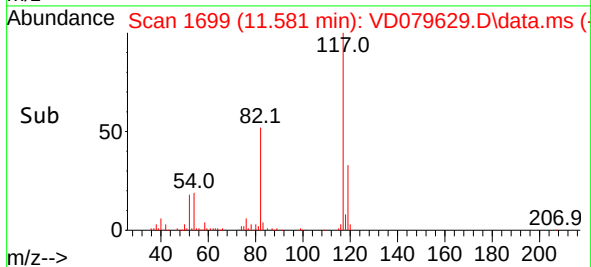
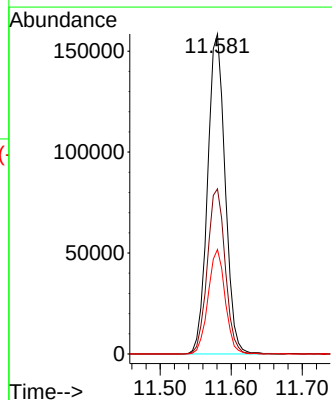
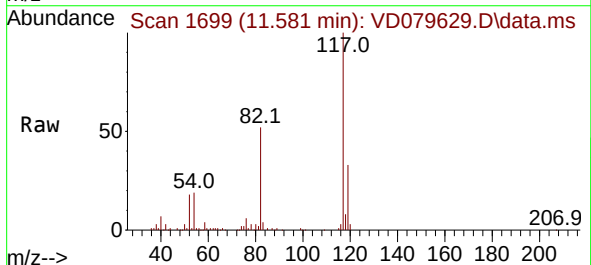
Instrument :
MSVOA_D
ClientSampleId :

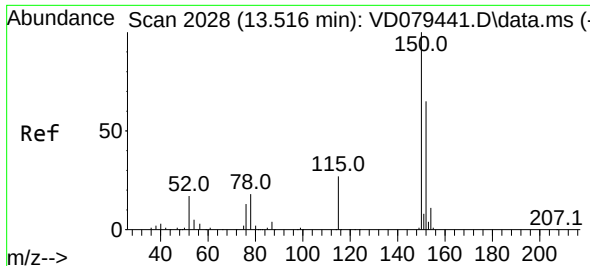
Tgt Ion:	95	Resp:	74398
Ion Ratio	Lower	Upper	
95	100		
174	93.1	0.0	195.4
176	85.4	0.0	192.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. -0.000 min
Lab File: VD079629.D
Acq: 06 Aug 2024 18:06

Tgt Ion:	117	Resp:	272133
Ion Ratio	Lower	Upper	
117	100		
82	51.6	39.8	59.6
119	32.7	25.7	38.5

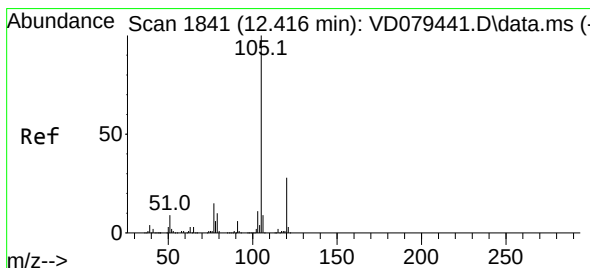
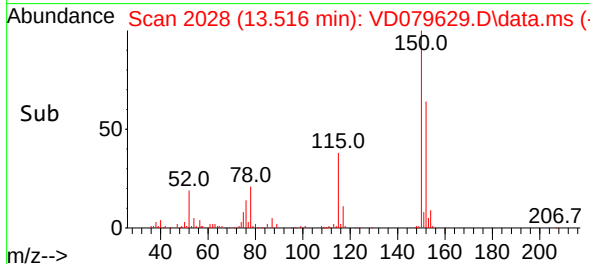
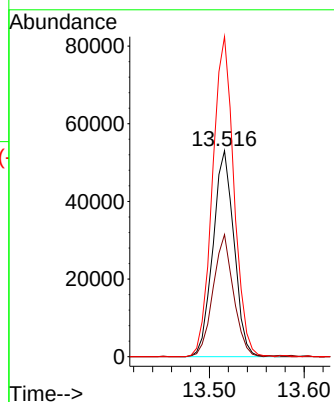
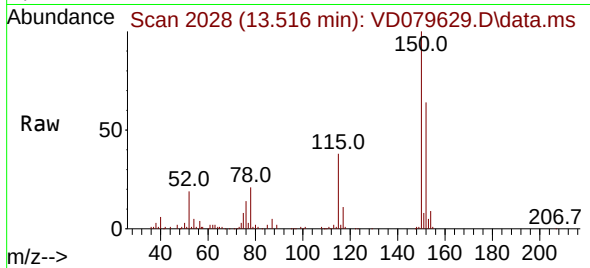




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.516 min Scan# 2028
Delta R.T. 0.006 min
Lab File: VD079629.D
Acq: 06 Aug 2024 18:06

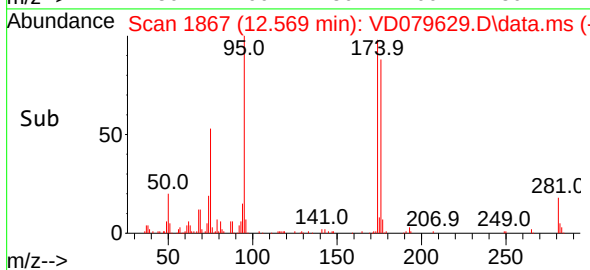
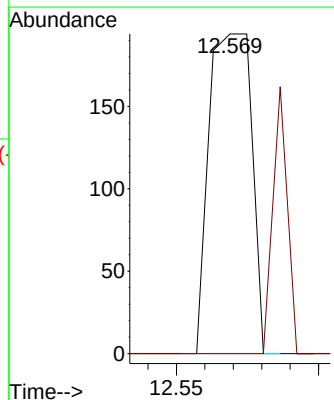
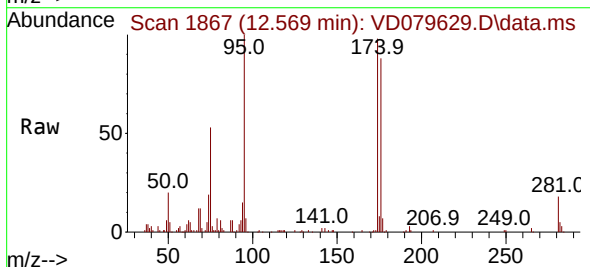
Instrument :
MSVOA_D
ClientSampleId :

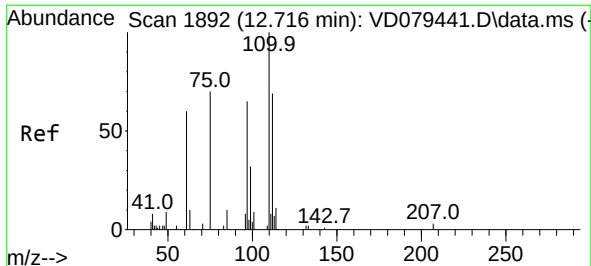
Tgt Ion:152 Resp: 81889
Ion Ratio Lower Upper
152 100
115 57.5 26.5 79.5
150 158.1 0.0 341.6



#73
Isopropylbenzene
Concen: 3.658 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. 0.153 min
Lab File: VD079629.D
Acq: 06 Aug 2024 18:06

Tgt Ion:105 Resp: 202
Ion Ratio Lower Upper
105 100
120 28.2 13.6 40.7

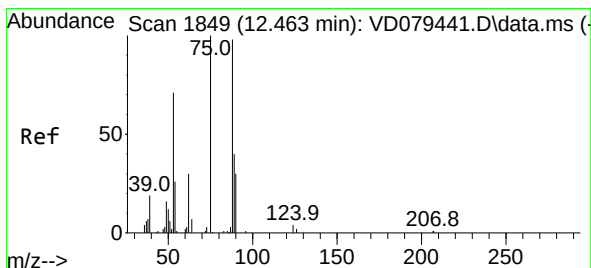
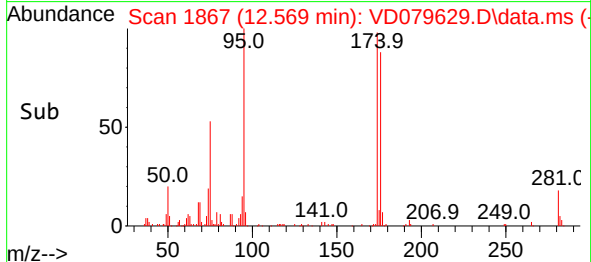
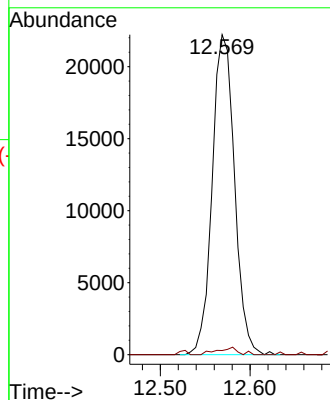
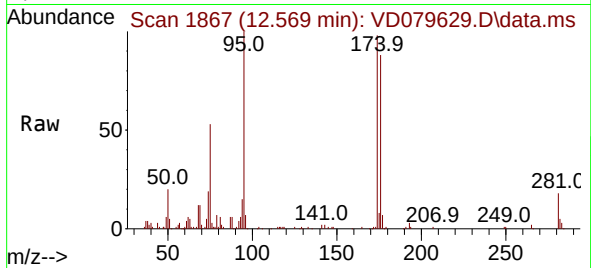




#76
1,2,3-Trichloropropane
Concen: 53.580 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. -0.153 min
Lab File: VD079629.D
Acq: 06 Aug 2024 18:06

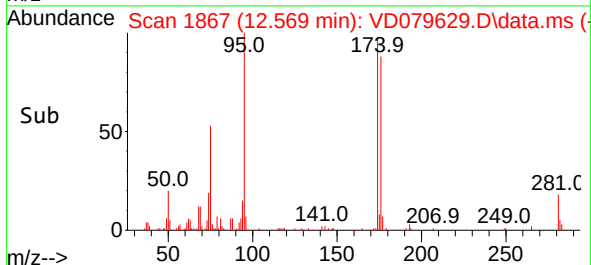
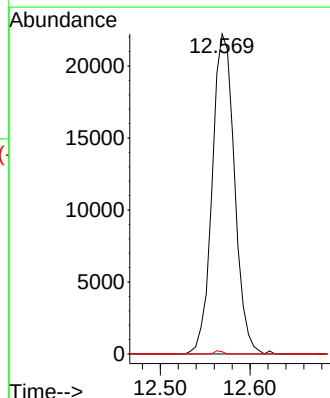
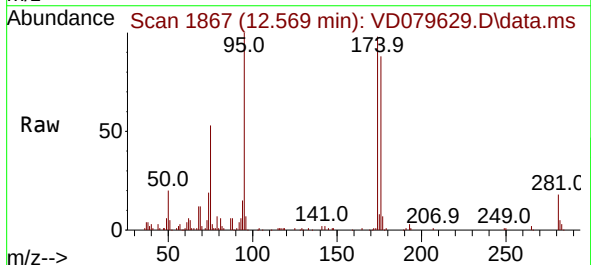
Instrument :
MSVOA_D
ClientSampleId :

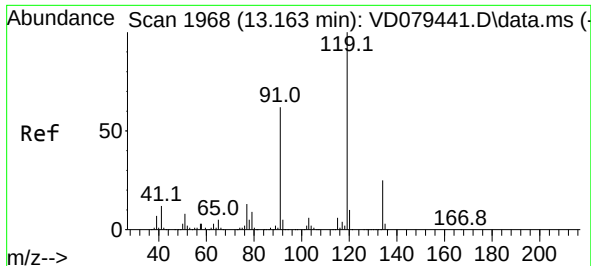
Tgt Ion: 75 Resp: 38352
Ion Ratio Lower Upper
75 100
77 1.9 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 102.191 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. 0.100 min
Lab File: VD079629.D
Acq: 06 Aug 2024 18:06

Tgt Ion: 75 Resp: 38352
Ion Ratio Lower Upper
75 100
53 0.0 61.4 92.2#
89 0.3 35.4 53.0#

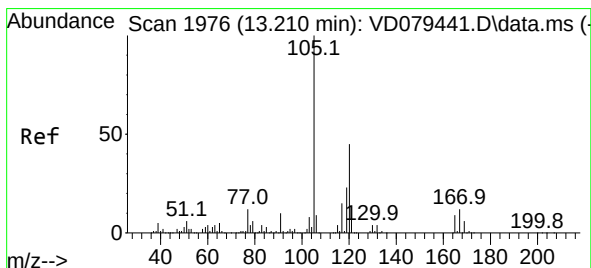
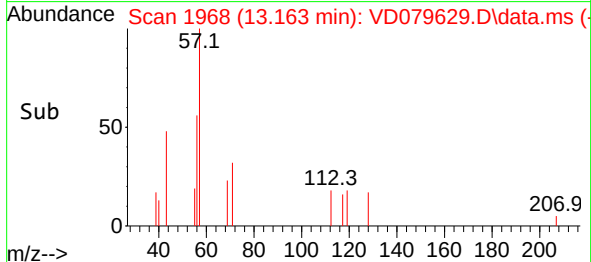
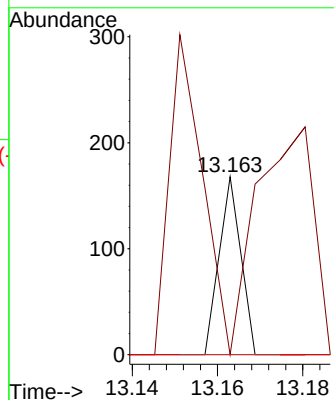
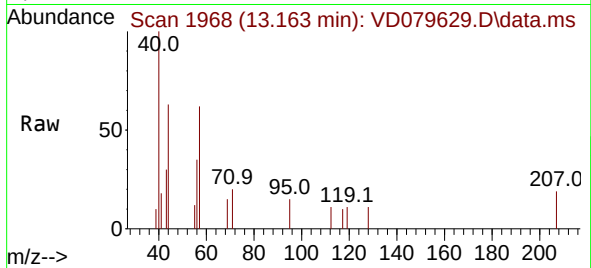




#83
tert-Butylbenzene
Concen: 3.640 ug/l
RT: 13.163 min Scan# 1968
Delta R.T. -0.000 min
Lab File: VD079629.D
Acq: 06 Aug 2024 18:06

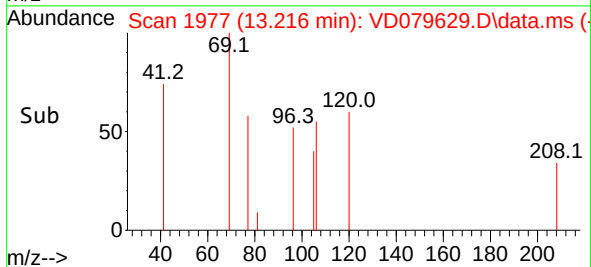
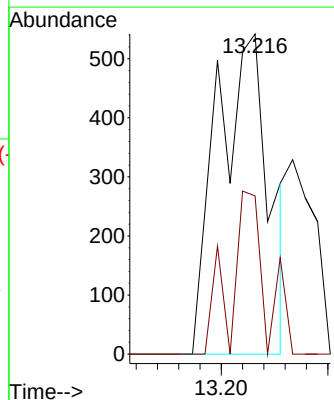
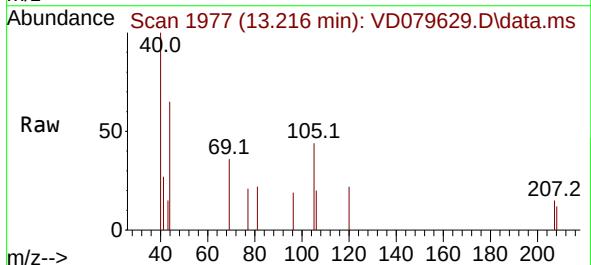
Instrument :
MSVOA_D
ClientSampleId :

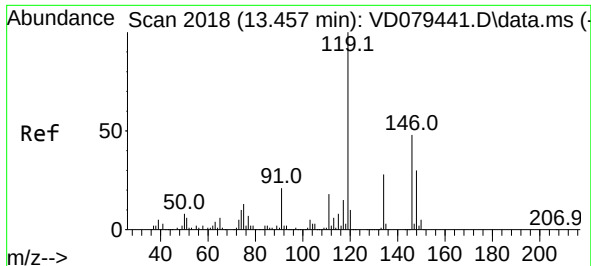
Tgt Ion:	119	Resp:	59
Ion	Ratio	Lower	Upper
119	100		
91	274.6	28.2	84.7#
134	0.0	13.4	40.1#



#84
1,2,4-Trimethylbenzene
Concen: 3.595 ug/l
RT: 13.216 min Scan# 1977
Delta R.T. 0.012 min
Lab File: VD079629.D
Acq: 06 Aug 2024 18:06

Tgt Ion:	105	Resp:	916
Ion	Ratio	Lower	Upper
105	100		
120	34.3	23.6	71.0

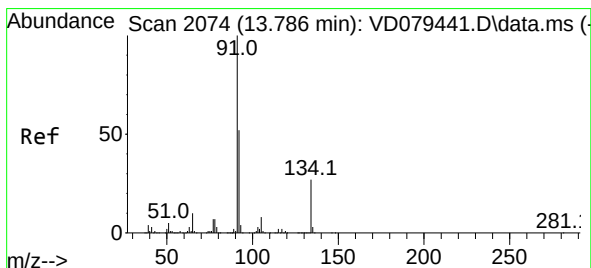
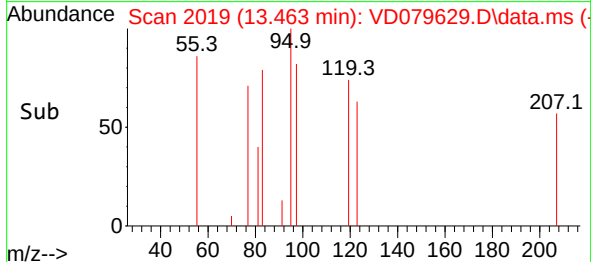
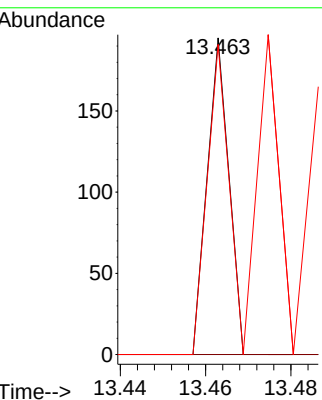
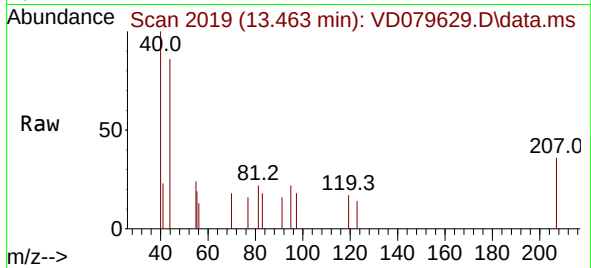




#86
p-Isopropyltoluene
Concen: 3.897 ug/l
RT: 13.463 min Scan# 2018
Delta R.T. 0.006 min
Lab File: VD079629.D
Acq: 06 Aug 2024 18:06

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion:119 Resp: 69
Ion Ratio Lower Upper
119 100
134 0.0 13.7 41.1#
91 97.1 10.7 32.1#



#89
n-Butylbenzene
Concen: 3.832 ug/l
RT: 13.786 min Scan# 2074
Delta R.T. 0.005 min
Lab File: VD079629.D
Acq: 06 Aug 2024 18:06

Tgt Ion: 91 Resp: 287
Ion Ratio Lower Upper
91 100
92 18.8 25.7 77.0#
134 0.0 13.6 40.8#

