

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD102522\
 Data File : VD074639.D
 Acq On : 25 Oct 2022 18:41
 Operator : VA/SY
 Sample : N5235-01
 Misc : 6.19G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 LSP-SS-01-00-20

Quant Time: Oct 27 01:22:51 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D101922S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 20 06:41:20 2022
 Response via : Initial Calibration

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

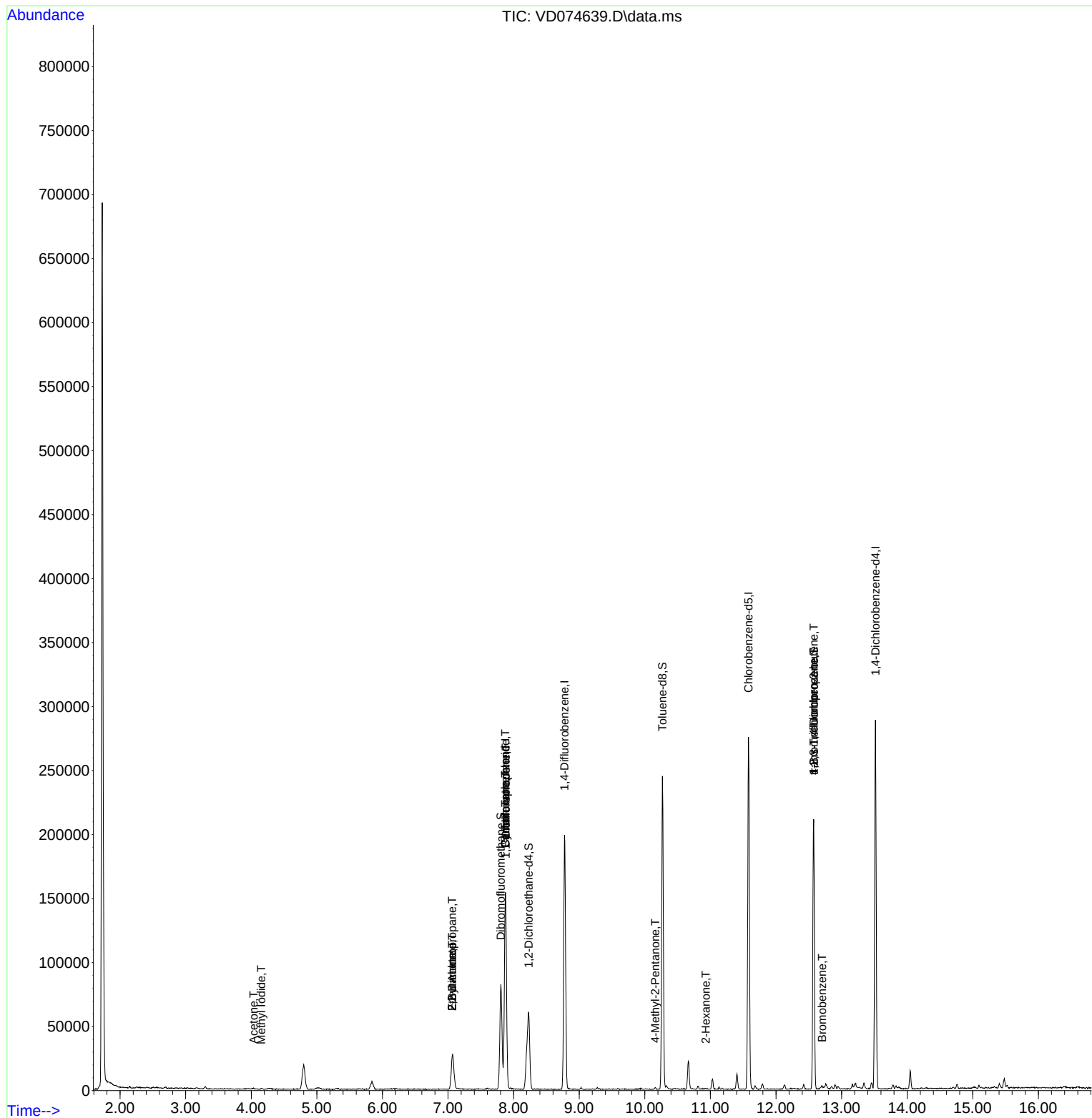
Internal Standards						
1) Pentafluorobenzene	7.875	168	131330	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	192881	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	173906	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	82534	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	40868	40.759	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	81.520%
35) Dibromofluoromethane	7.805	113	59698	55.996	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	112.000%
50) Toluene-d8	10.269	98	177130	45.882	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	91.760%
62) 4-Bromofluorobenzene	12.575	95	58951	53.204	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	106.400%
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.152	142	687	4.288	ug/l #	43
11) Tert butyl alcohol	5.022	59	1186	Below Cal	#	84
16) Acetone	4.034	43	990	4.522	ug/l #	61
18) Methyl Acetate	4.569	43	55	Below Cal	#	44
20) Methylene Chloride	4.799	84	16287	Below Cal	#	93
25) 2-Butanone	7.063	43	722	2.466	ug/l #	42
26) 2,2-Dichloropropane	7.063	77	2338	1.037	ug/l #	50
31) Cyclohexane	7.875	56	2531	1.257	ug/l #	18
36) 1,1-Dichloropropene	7.881	75	8690	5.015	ug/l #	45
37) Ethyl Acetate	7.063	43	722	1.321	ug/l #	1
38) Carbon Tetrachloride	7.875	117	11735	6.916	ug/l #	17
51) 4-Methyl-2-Pentanone	10.157	43	870	1.722	ug/l	99
59) 2-Hexanone	10.928	43	490	1.421	ug/l	81
76) 1,2,3-Trichloropropane	12.575	75	27842	38.634	ug/l #	1
77) Bromobenzene	12.704	156	1519	1.046	ug/l #	32
81) trans-1,4-Dichloro-2-b...	12.575	75	27842	98.729	ug/l #	17

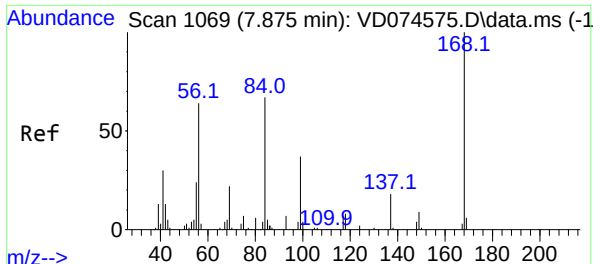
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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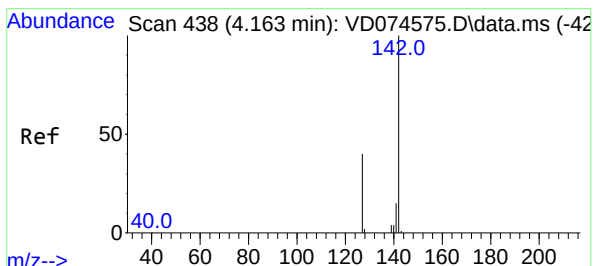
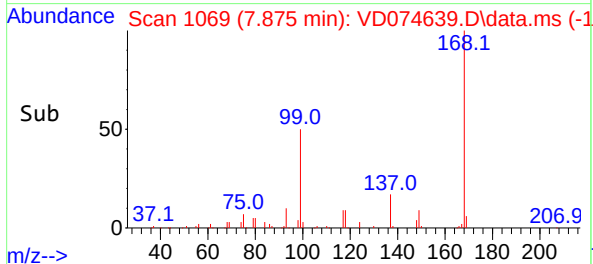
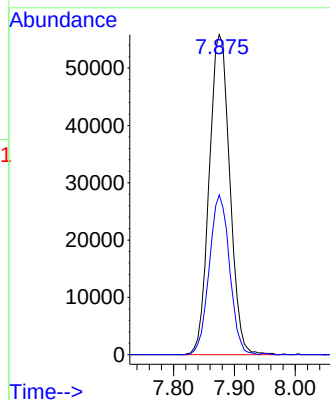
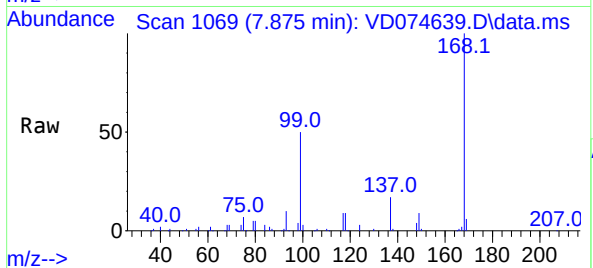




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD074639.D
Acq: 25 Oct 2022 18:41

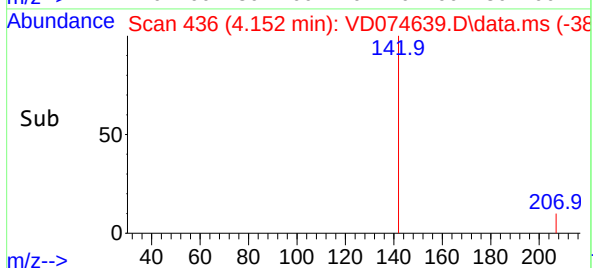
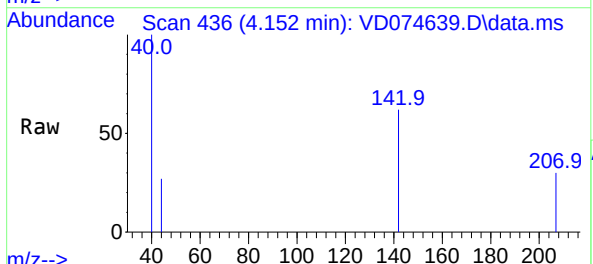
Instrument :
MSVOA_D
ClientSampleId :
LSP-SS-01-00-20

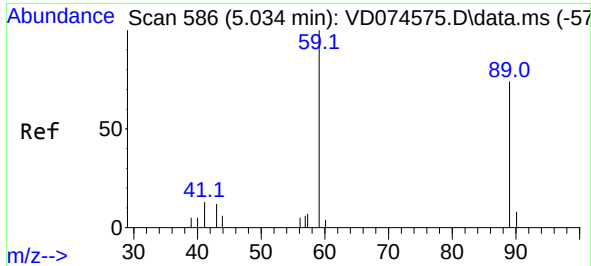
Tgt Ion:168 Resp: 131330
Ion Ratio Lower Upper
168 100
99 49.9 40.9 61.3



#10
Methyl Iodide
Concen: 4.288 ug/l
RT: 4.152 min Scan# 436
Delta R.T. -0.006 min
Lab File: VD074639.D
Acq: 25 Oct 2022 18:41

Tgt Ion:142 Resp: 687
Ion Ratio Lower Upper
142 100
127 0.0 31.9 47.9#
141 0.0 11.4 17.2#

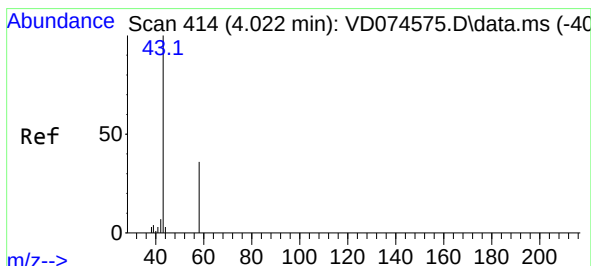
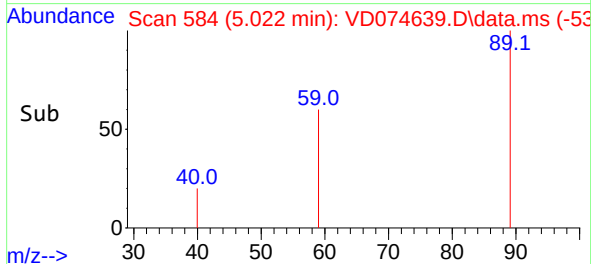
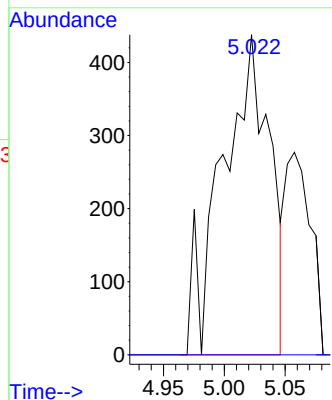
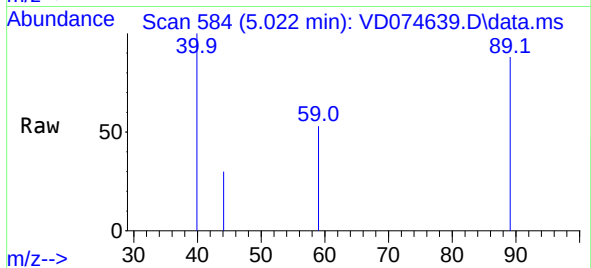




#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.022 min Scan# 51
Delta R.T. -0.030 min
Lab File: VD074639.D
Acq: 25 Oct 2022 18:41

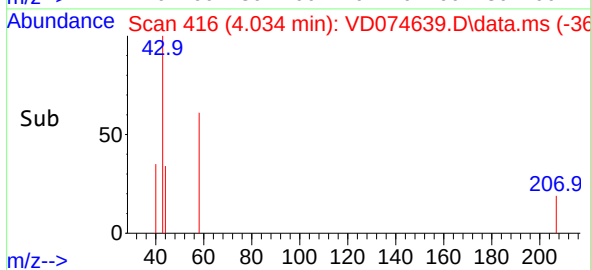
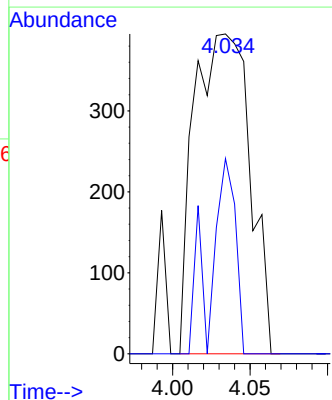
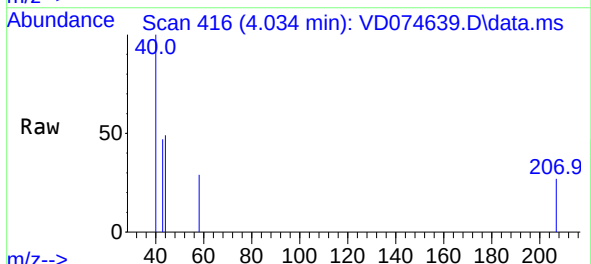
Instrument :
MSVOA_D
ClientSampleId :
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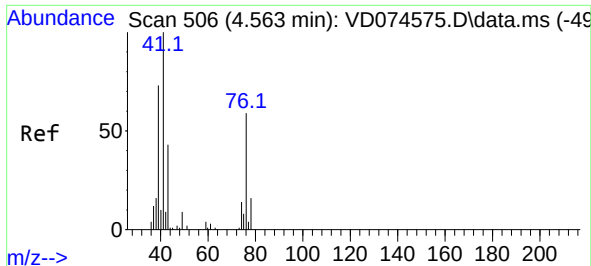
Tgt Ion: 59 Resp: 1186
Ion Ratio Lower Upper
59 100
57 0.0 4.4 6.6#



#16
Acetone
Concen: 4.522 ug/l
RT: 4.034 min Scan# 416
Delta R.T. 0.012 min
Lab File: VD074639.D
Acq: 25 Oct 2022 18:41

Tgt Ion: 43 Resp: 990
Ion Ratio Lower Upper
43 100
58 61.0 30.2 45.2#

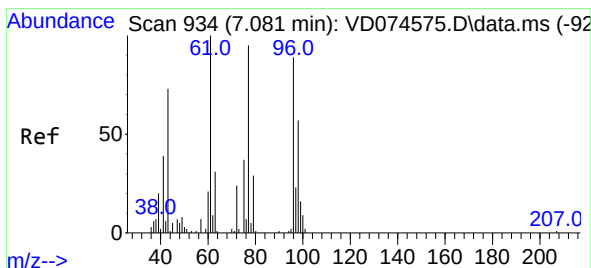
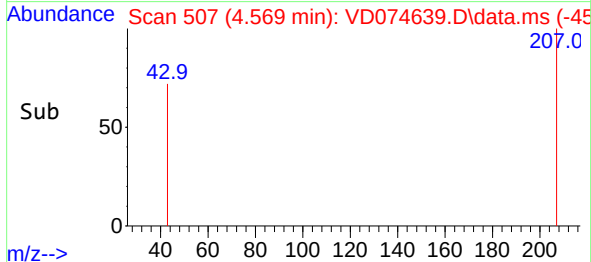
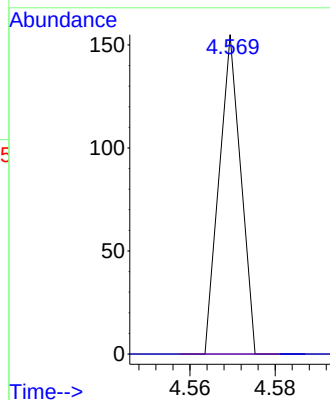
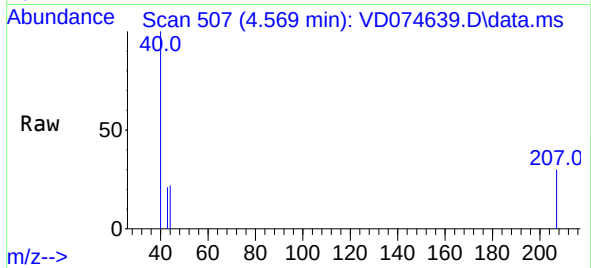




#18
Methyl Acetate
Concen: Below Cal
RT: 4.569 min Scan# 506
Delta R.T. 0.011 min
Lab File: VD074639.D
Acq: 25 Oct 2022 18:41

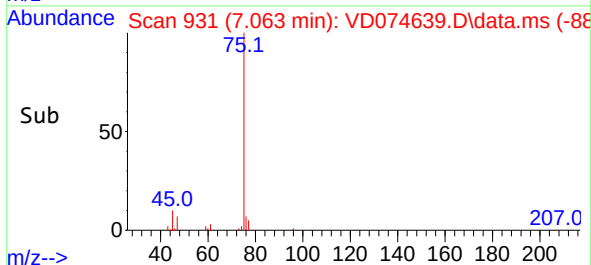
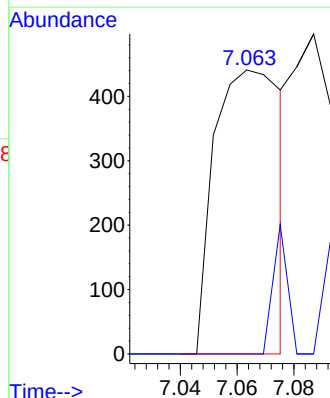
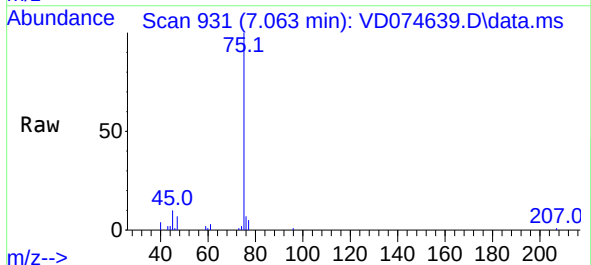
Instrument :
MSVOA_D
ClientSampleId :
LSP-SS-01-00-20

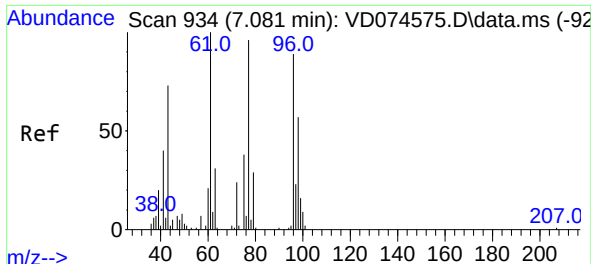
Tgt Ion: 43 Resp: 55
Ion Ratio Lower Upper
43 100
74 0.0 24.7 37.1#



#25
2-Butanone
Concen: 2.466 ug/l
RT: 7.063 min Scan# 931
Delta R.T. -0.018 min
Lab File: VD074639.D
Acq: 25 Oct 2022 18:41

Tgt Ion: 43 Resp: 722
Ion Ratio Lower Upper
43 100
72 0.0 25.8 38.8#

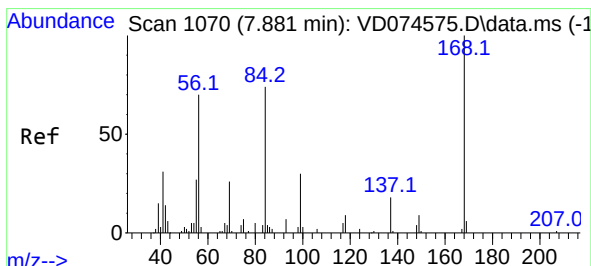
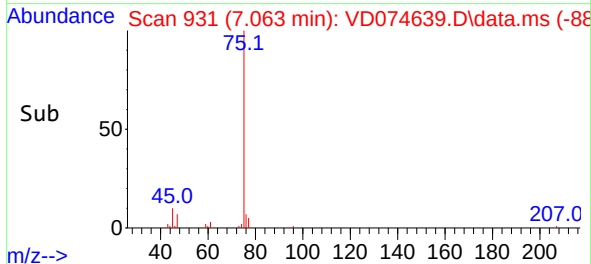
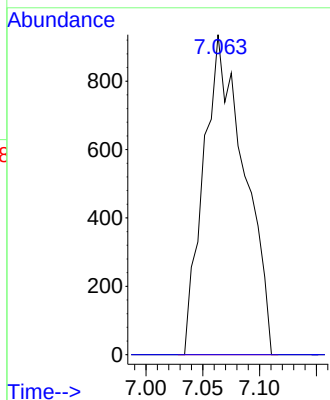
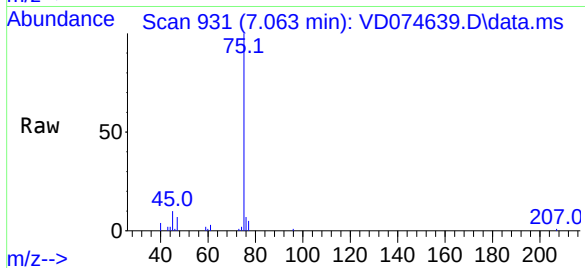




#26
2,2-Dichloropropane
Concen: 1.037 ug/l
RT: 7.063 min Scan# 91
Delta R.T. -0.012 min
Lab File: VD074639.D
Acq: 25 Oct 2022 18:41

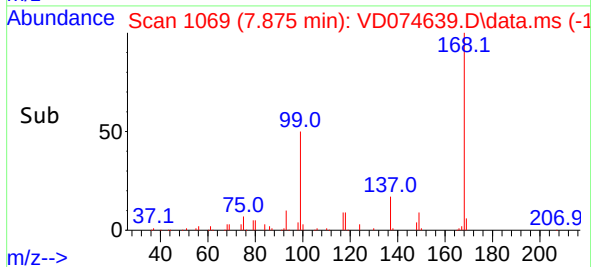
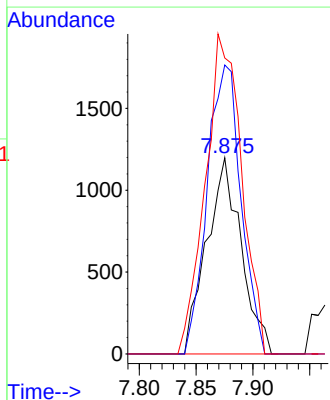
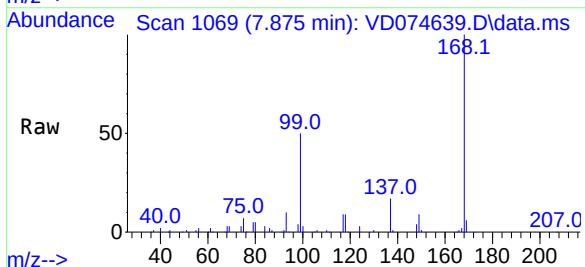
Instrument :
MSVOA_D
ClientSampleId :
LSP-SS-01-00-20

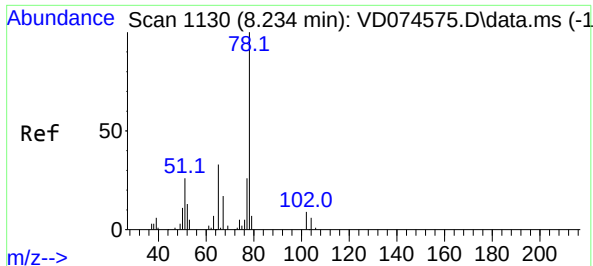
Tgt Ion: 77 Resp: 2338
Ion Ratio Lower Upper
77 100
97 0.0 12.5 37.5#



#31
Cyclohexane
Concen: 1.257 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD074639.D
Acq: 25 Oct 2022 18:41

Tgt Ion: 56 Resp: 2531
Ion Ratio Lower Upper
56 100
69 147.3 29.2 43.8#
84 150.9 83.4 125.2#





#33

1,2-Dichloroethane-d4

Concen: 40.759 ug/l

RT: 8.228 min Scan# 1129

Delta R.T. 0.000 min

Lab File: VD074639.D

Acq: 25 Oct 2022 18:41

Instrument :

MSVOA_D

ClientSampleId :

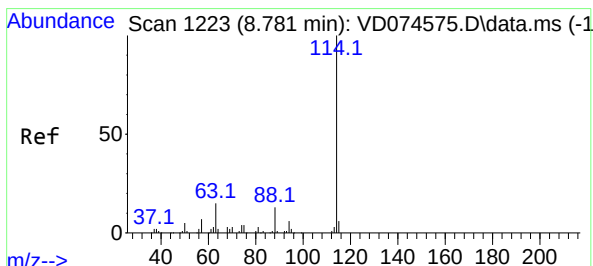
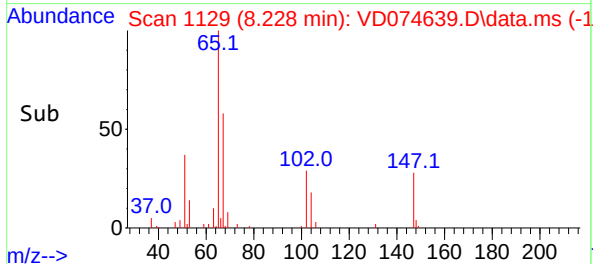
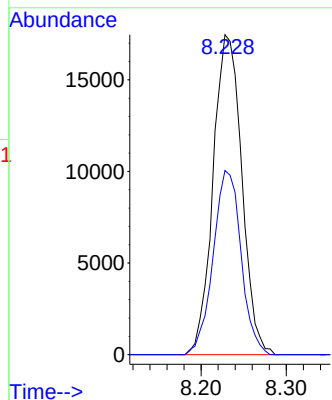
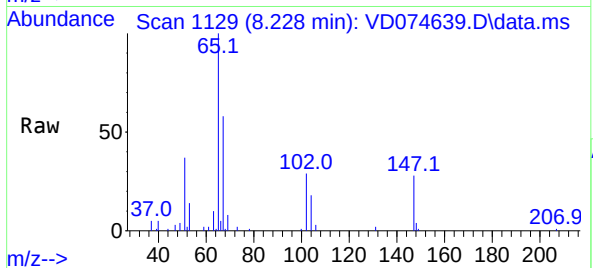
LSP-SS-01-00-20

Tgt Ion: 65 Resp: 40868

Ion Ratio Lower Upper

65 100

67 56.1 0.0 110.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.775 min Scan# 1222

Delta R.T. 0.000 min

Lab File: VD074639.D

Acq: 25 Oct 2022 18:41

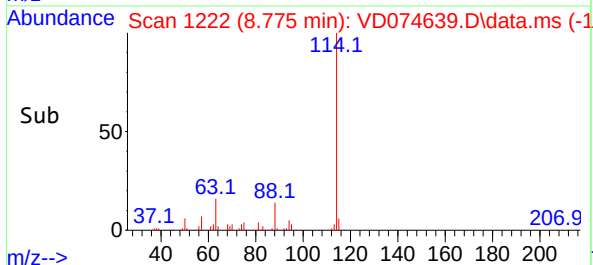
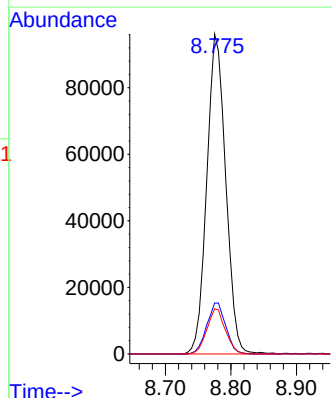
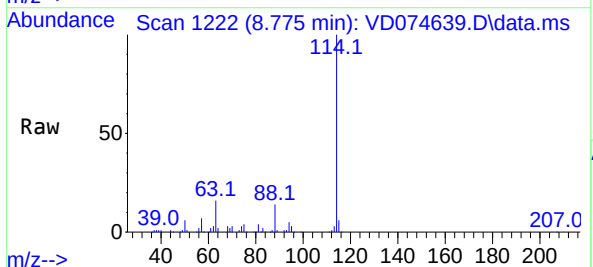
Tgt Ion: 114 Resp: 192881

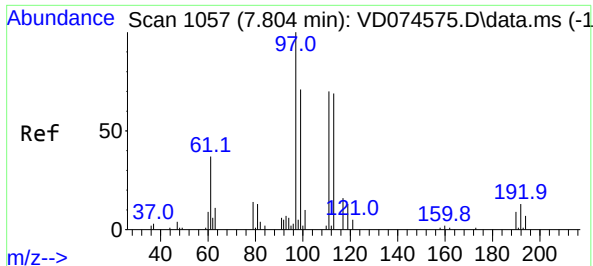
Ion Ratio Lower Upper

114 100

63 15.9 0.0 33.2

88 14.1 0.0 28.2





#35

Dibromofluoromethane

Concen: 55.996 ug/l

RT: 7.805 min Scan# 1070

Delta R.T. 0.001 min

Lab File: VD074639.D

Acq: 25 Oct 2022 18:41

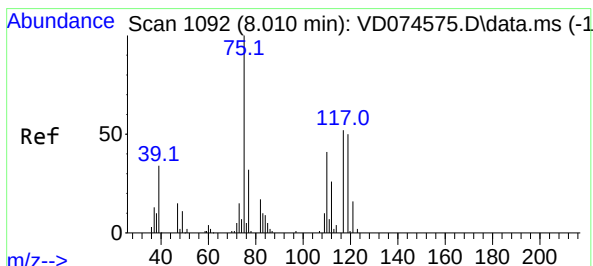
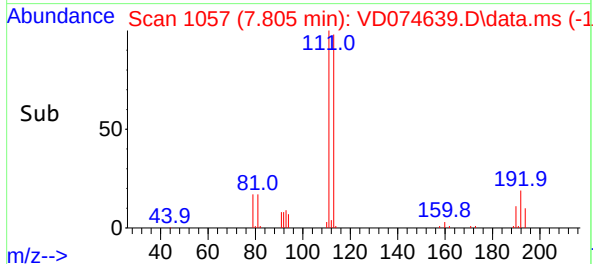
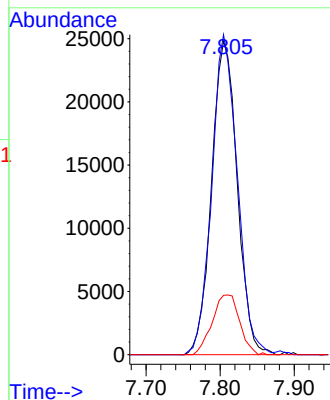
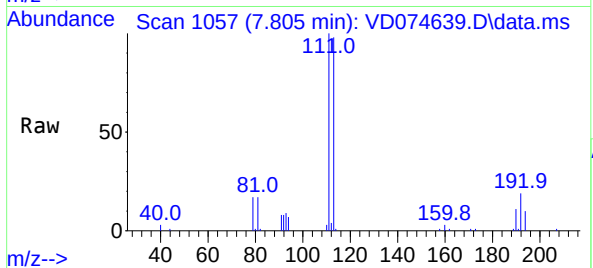
Instrument :

MSVOA_D

ClientSampleId :

LSP-SS-01-00-20

Tgt Ion:	113	Resp:	59698
Ion	Ratio	Lower	Upper
113	100		
111	101.3	82.3	123.5
192	20.3	16.4	24.6



#36

1,1-Dichloropropene

Concen: 5.015 ug/l

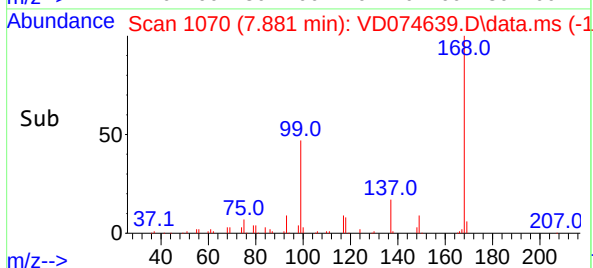
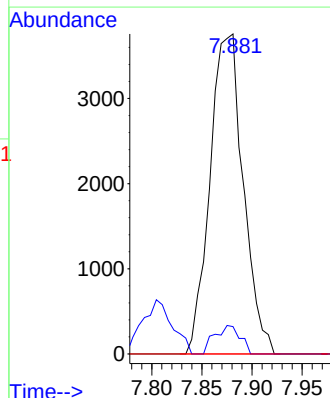
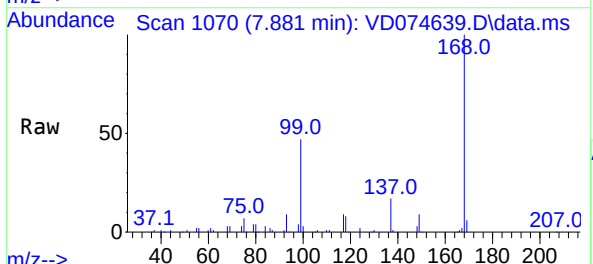
RT: 7.881 min Scan# 1070

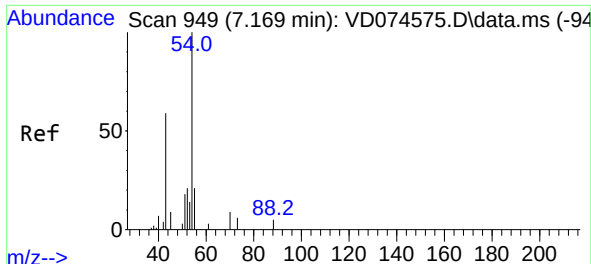
Delta R.T. -0.123 min

Lab File: VD074639.D

Acq: 25 Oct 2022 18:41

Tgt Ion:	75	Resp:	8690
Ion	Ratio	Lower	Upper
75	100		
110	6.8	19.7	59.0#
77	0.0	25.4	38.2#





#37

Ethyl Acetate

Concen: 1.321 ug/l

RT: 7.063 min Scan# 91

Delta R.T. -0.106 min

Lab File: VD074639.D

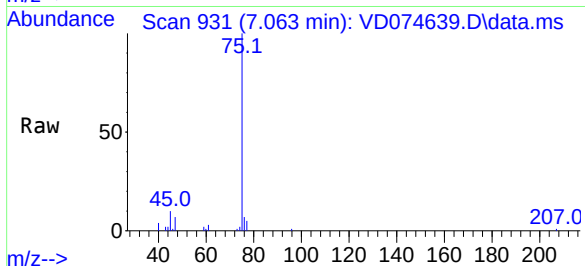
Acq: 25 Oct 2022 18:41

Instrument :

MSVOA_D

ClientSampleId :

LSP-SS-01-00-20



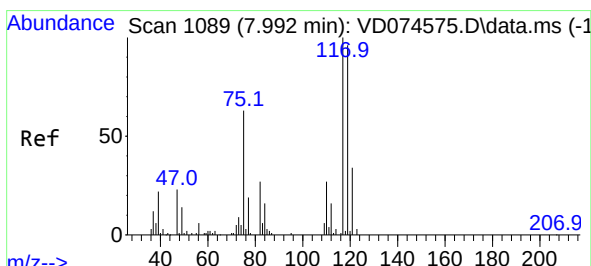
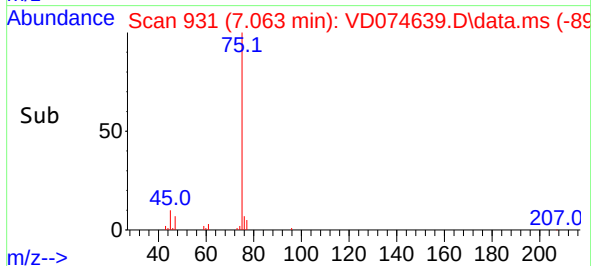
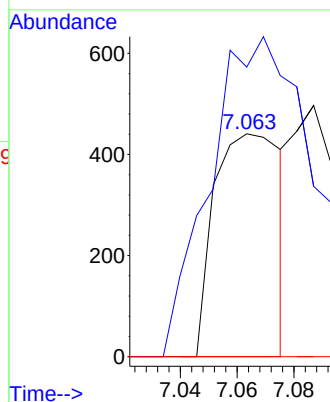
Tgt Ion: 43 Resp: 722

Ion Ratio Lower Upper

43 100

61 233.2 12.2 18.4#

70 0.0 9.6 14.4#



#38

Carbon Tetrachloride

Concen: 6.916 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.112 min

Lab File: VD074639.D

Acq: 25 Oct 2022 18:41

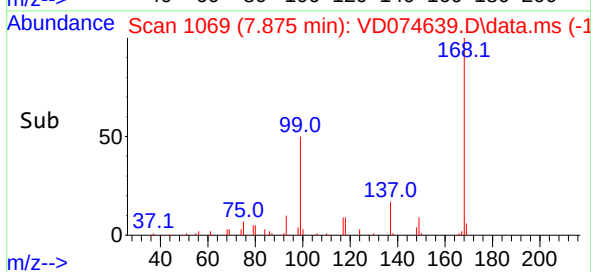
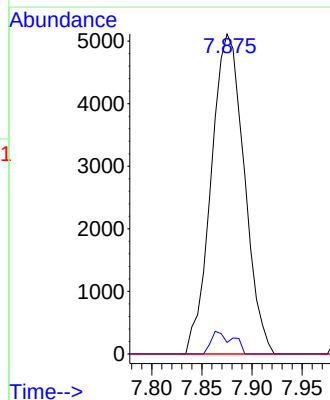
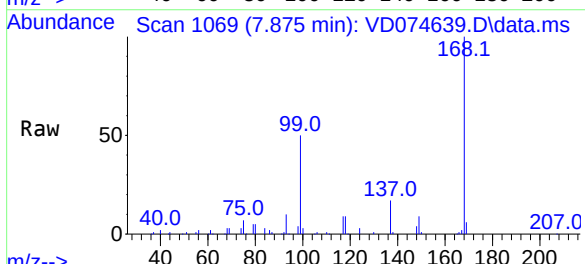
Tgt Ion: 117 Resp: 11735

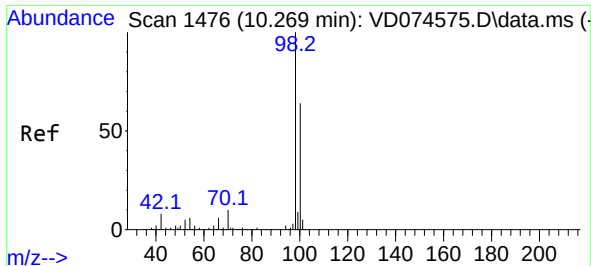
Ion Ratio Lower Upper

117 100

119 3.6 73.1 109.7#

121 0.0 25.0 37.6#

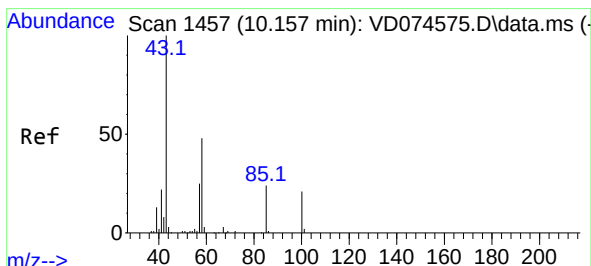
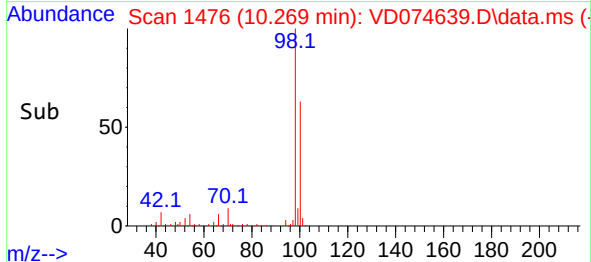
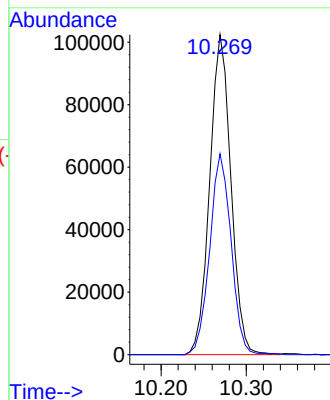
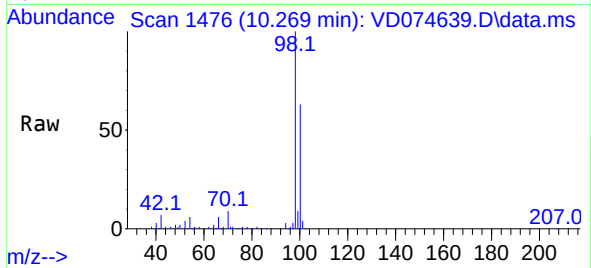




#50
Toluene-d8
Concen: 45.882 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD074639.D
Acq: 25 Oct 2022 18:41

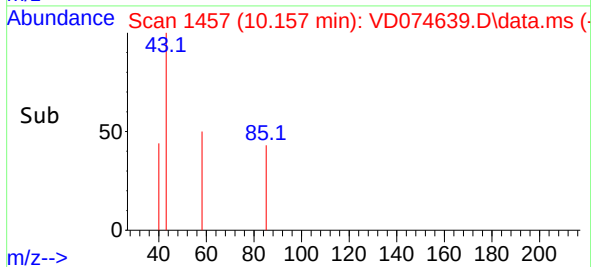
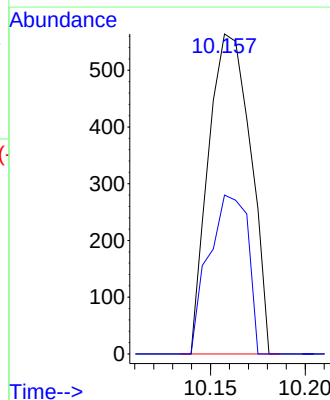
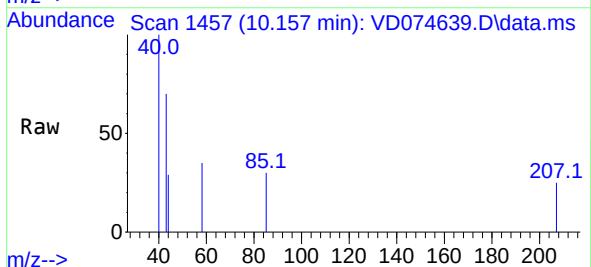
Instrument :
MSVOA_D
ClientSampleId :
LSP-SS-01-00-20

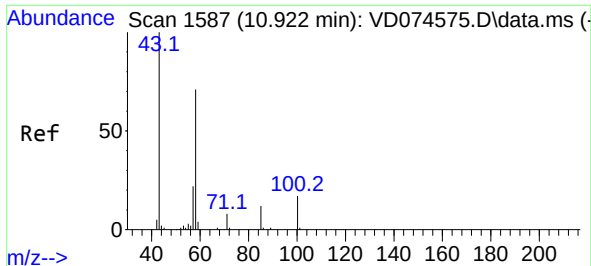
Tgt Ion: 98 Resp: 177130
Ion Ratio Lower Upper
98 100
100 63.2 51.4 77.0



#51
4-Methyl-2-Pentanone
Concen: 1.722 ug/l
RT: 10.157 min Scan# 1457
Delta R.T. 0.000 min
Lab File: VD074639.D
Acq: 25 Oct 2022 18:41

Tgt Ion: 43 Resp: 870
Ion Ratio Lower Upper
43 100
58 46.2 37.8 56.6

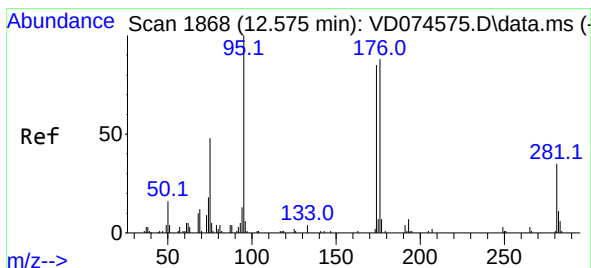
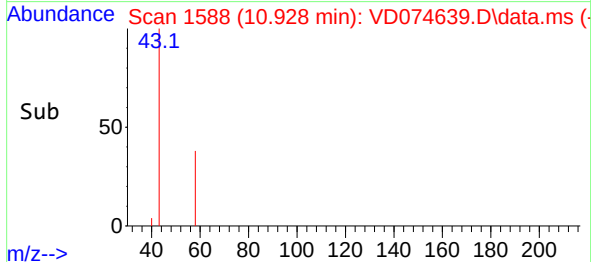
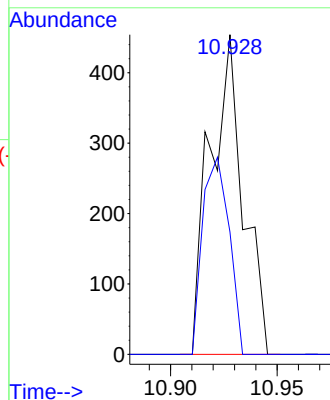
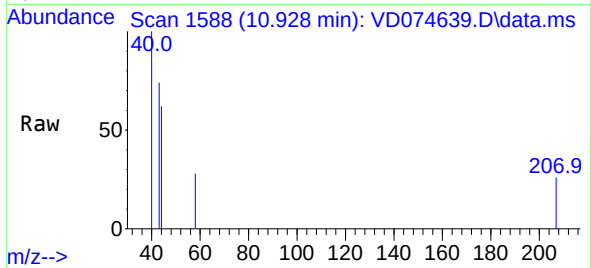




#59
2-Hexanone
Concen: 1.421 ug/l
RT: 10.928 min Scan# 11
Delta R.T. 0.012 min
Lab File: VD074639.D
Acq: 25 Oct 2022 18:41

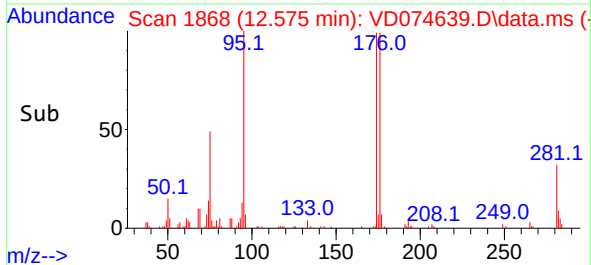
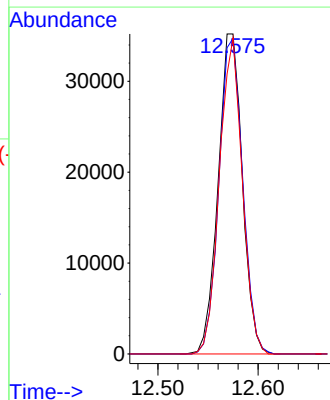
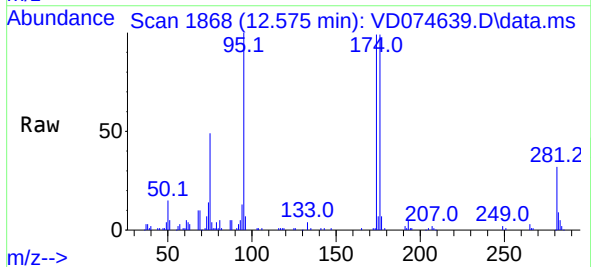
Instrument :
MSVOA_D
ClientSampleId :
LSP-SS-01-00-20

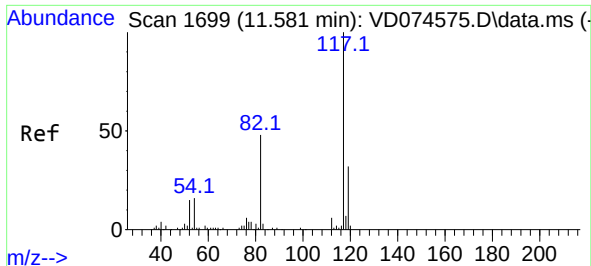
Tgt Ion: 43 Resp: 490
Ion Ratio Lower Upper
43 100
58 49.6 32.0 96.2



#62
4-Bromofluorobenzene
Concen: 53.204 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.006 min
Lab File: VD074639.D
Acq: 25 Oct 2022 18:41

Tgt Ion: 95 Resp: 58951
Ion Ratio Lower Upper
95 100
174 96.4 0.0 197.0
176 93.4 0.0 182.6

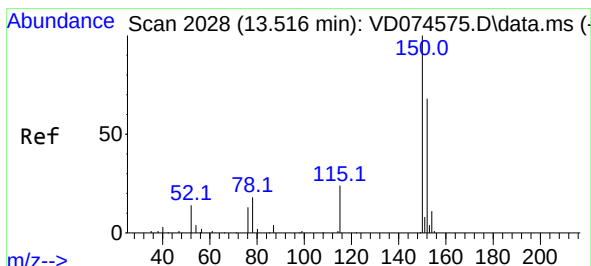
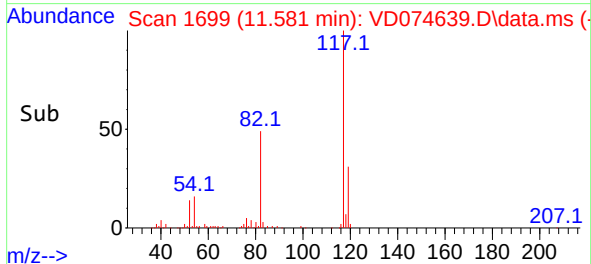
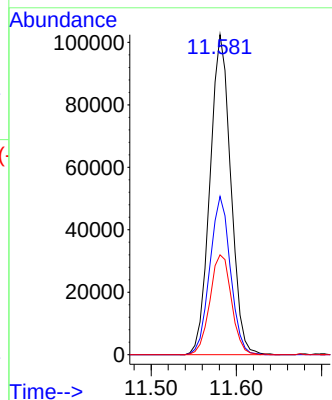
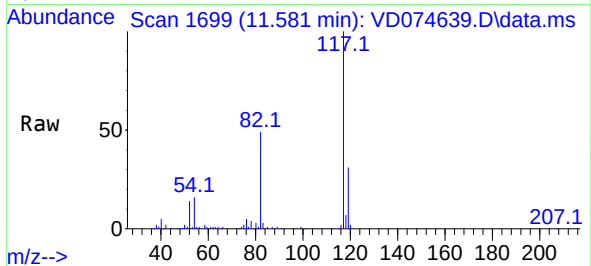




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 117
Delta R.T. -0.000 min
Lab File: VD074639.D
Acq: 25 Oct 2022 18:41

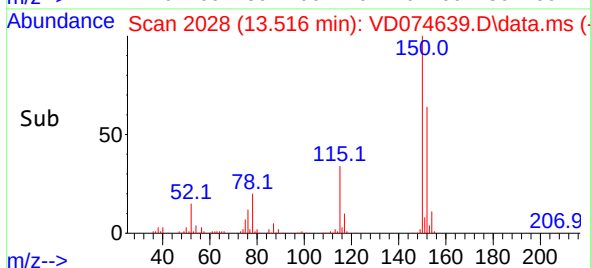
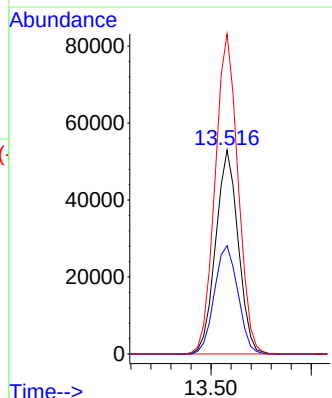
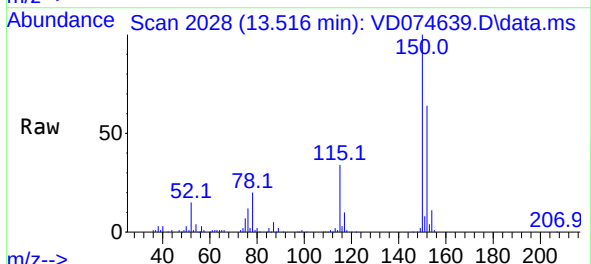
Instrument :
MSVOA_D
ClientSampleId :
LSP-SS-01-00-20

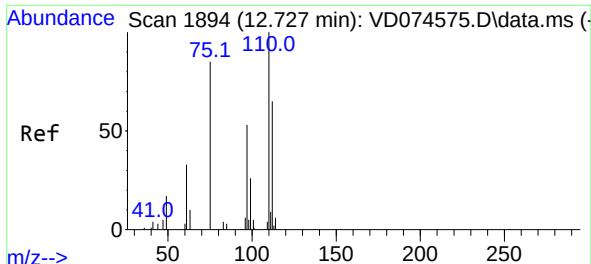
Tgt Ion:117 Resp: 173906
Ion Ratio Lower Upper
117 100
82 49.5 41.6 62.4
119 31.2 25.2 37.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.516 min Scan# 2028
Delta R.T. 0.006 min
Lab File: VD074639.D
Acq: 25 Oct 2022 18:41

Tgt Ion:152 Resp: 82534
Ion Ratio Lower Upper
152 100
115 55.4 26.8 80.4
150 159.4 0.0 348.2

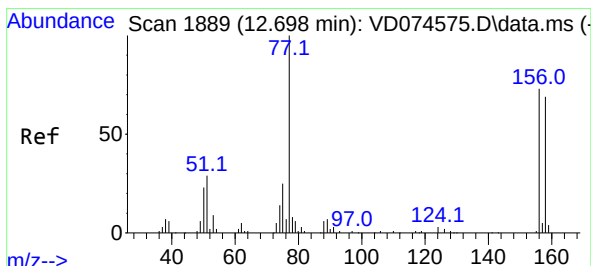
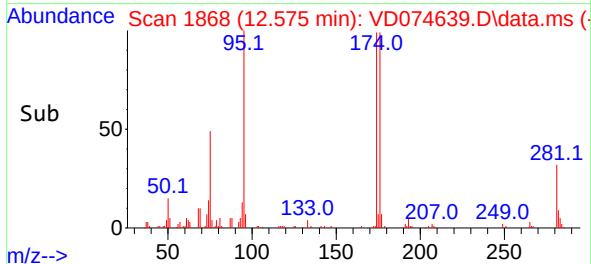
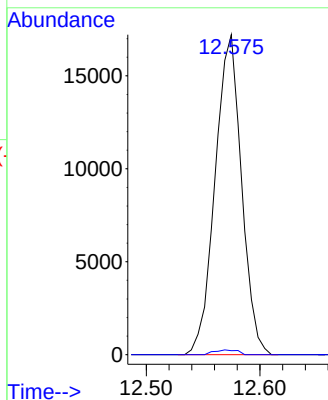
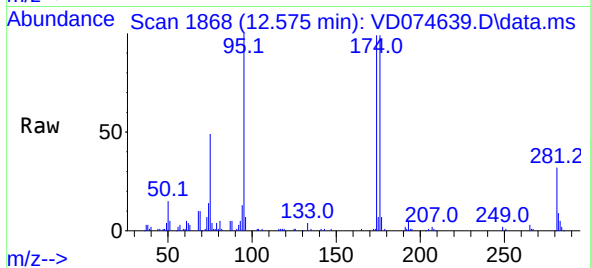




#76
1,2,3-Trichloropropane
Concen: 38.634 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.141 min
Lab File: VD074639.D
Acq: 25 Oct 2022 18:41

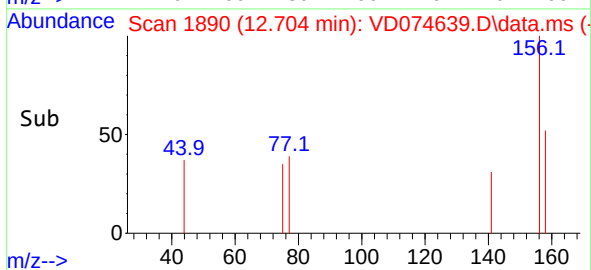
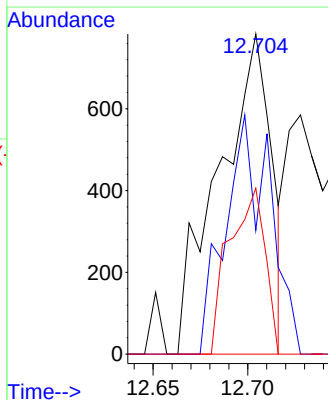
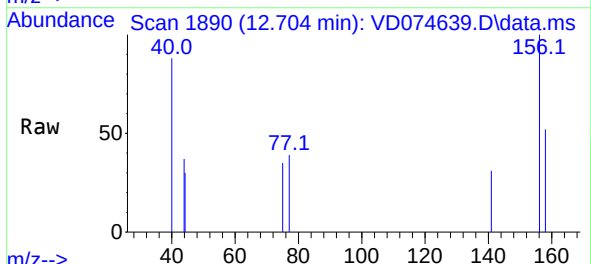
Instrument :
MSVOA_D
ClientSampleId :
LSP-SS-01-00-20

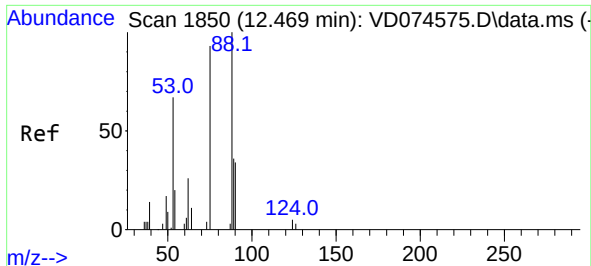
Tgt Ion: 75 Resp: 27842
Ion Ratio Lower Upper
75 100
77 1.3 185.8 557.5#



#77
Bromobenzene
Concen: 1.046 ug/l
RT: 12.704 min Scan# 1890
Delta R.T. 0.006 min
Lab File: VD074639.D
Acq: 25 Oct 2022 18:41

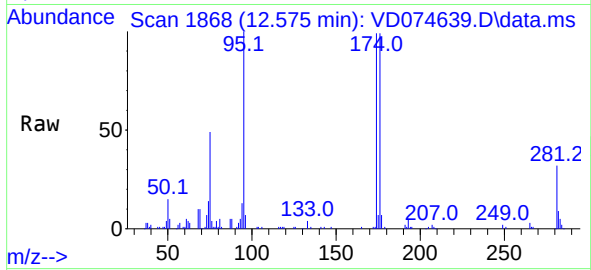
Tgt Ion: 156 Resp: 1519
Ion Ratio Lower Upper
156 100
77 63.0 77.7 233.1#
158 35.3 49.4 148.2#





#81
trans-1,4-Dichloro-2-butene
Concen: 98.729 ug/l
RT: 12.575 min Scan# 11
Delta R.T. 0.112 min
Lab File: VD074639.D
Acq: 25 Oct 2022 18:41

Instrument :
MSVOA_D
ClientSampleId :
LSP-SS-01-00-20



Tgt Ion: 75 Resp: 27842
Ion Ratio Lower Upper
75 100
53 0.0 63.8 95.6#
89 0.0 38.2 57.4#

