

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD033022\
 Data File : VD072474.D
 Acq On : 30 Mar 2022 12:55
 Operator : VA/SY
 Sample : N2171-01
 Misc : 5.01G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 PSE-COMP-01

Quant Time: Mar 31 03:07:56 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D032922S.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 30 02:44:36 2022
 Response via : Initial Calibration

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

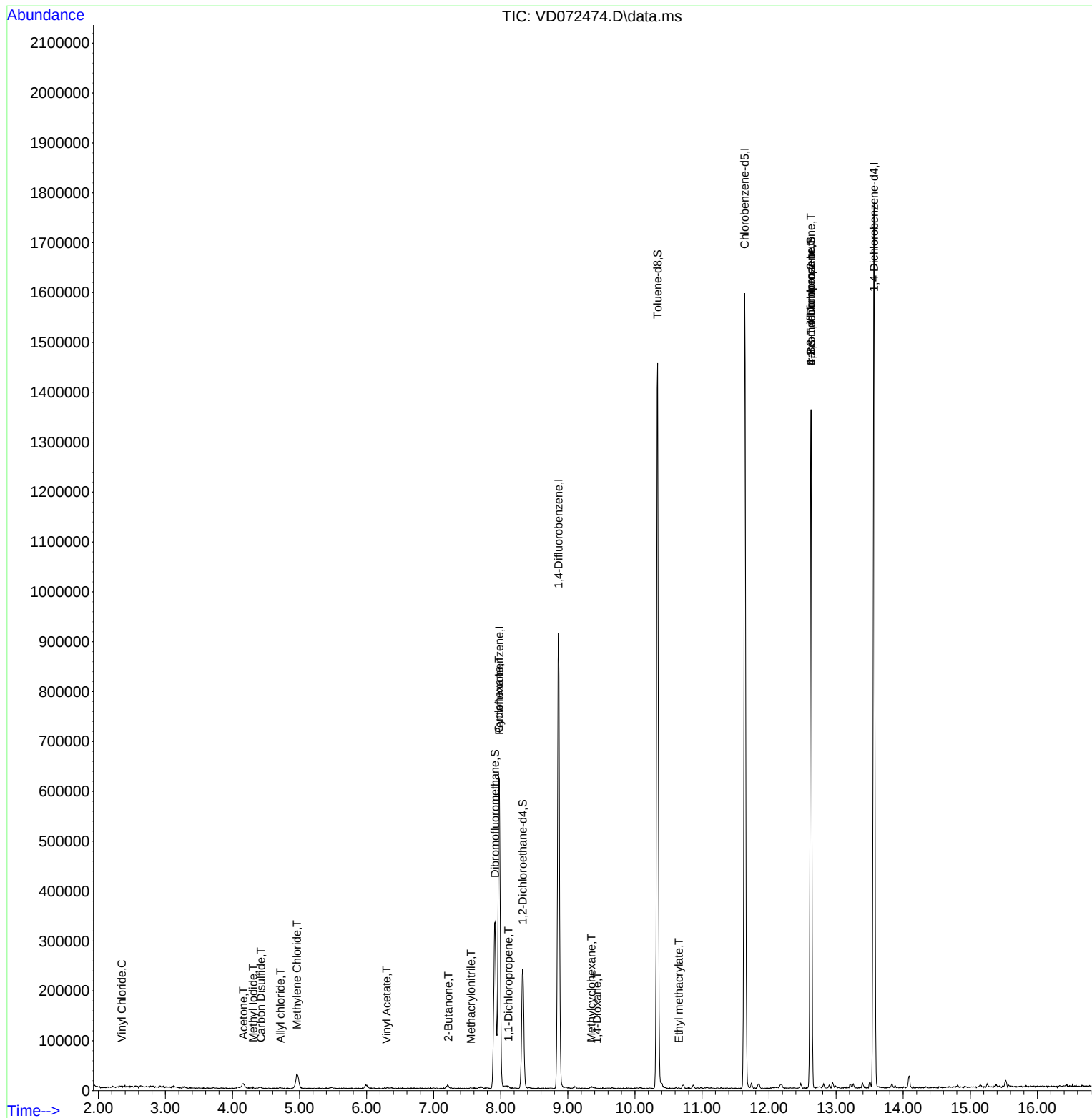
Internal Standards						
1) Pentafluorobenzene	7.979	168	462717	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	801346	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.637	117	932402	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	478172	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	197150	35.221	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	70.440%
35) Dibromofluoromethane	7.914	113	244659	39.286	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	78.580%
50) Toluene-d8	10.337	98	999608	46.177	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	92.360%
62) 4-Bromofluorobenzene	12.625	95	454418	53.750	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	107.500%
Target Compounds						Qvalue
4) Vinyl Chloride	2.350	62	919	1.181	ug/l #	55
10) Methyl Iodide	4.308	142	1315	3.977	ug/l #	81
14) Allyl chloride	4.714	41	1022	1.264	ug/l #	52
16) Acetone	4.161	43	18866	18.075	ug/l	100
17) Carbon Disulfide	4.426	76	4536	4.093	ug/l	97
20) Methylene Chloride	4.961	84	23081	3.715	ug/l #	81
23) Vinyl Acetate	6.296	43	1880	6.493	ug/l #	75
25) 2-Butanone	7.220	43	4509	3.124	ug/l #	87
31) Cyclohexane	7.973	56	11106	1.517	ug/l #	5
36) 1,1-Dichloropropene	8.114	75	1334	1.288	ug/l #	89
39) Methylcyclohexane	9.349	83	1884	3.068	ug/l #	60
41) Methacrylonitrile	7.555	41	531	1.924	ug/l #	27
49) 1,4-Dioxane	9.437	88	57	1.510	ug/l #	36
56) Ethyl methacrylate	10.655	69	62	1.201	ug/l #	1
76) 1,2,3-Trichloropropane	12.625	75	231964	44.478	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.625	75	231964	109.141	ug/l #	7

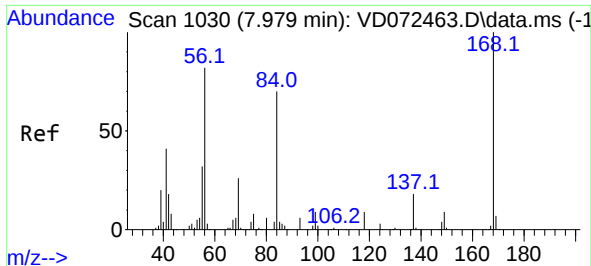
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Mar 31 03:07:56 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D032922S.M
Quant Title : SW846 8260
QLast Update : Wed Mar 30 02:44:36 2022
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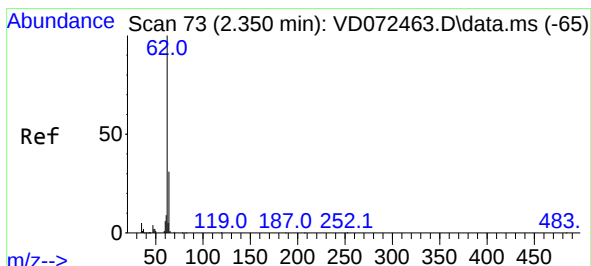
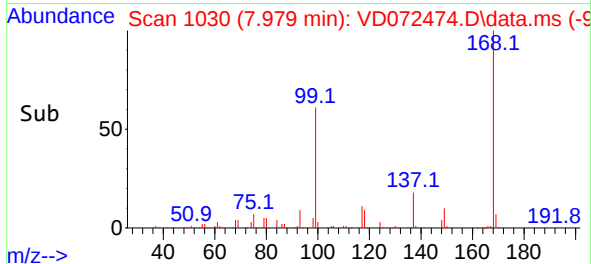
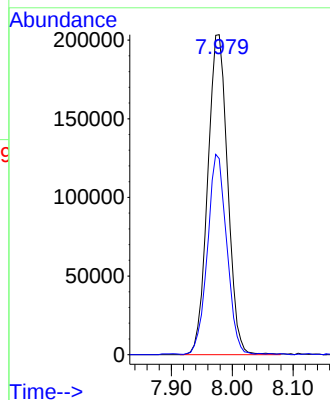
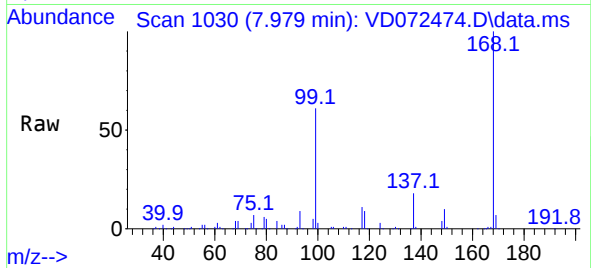




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 10
Delta R.T. -0.000 min
Lab File: VD072474.D
Acq: 30 Mar 2022 12:55

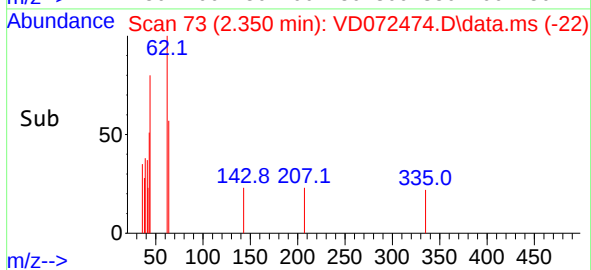
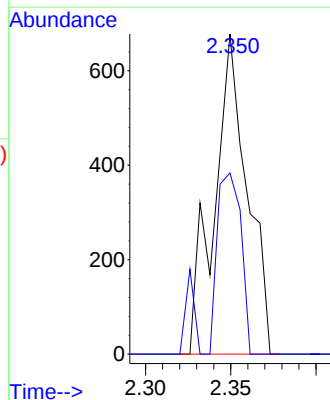
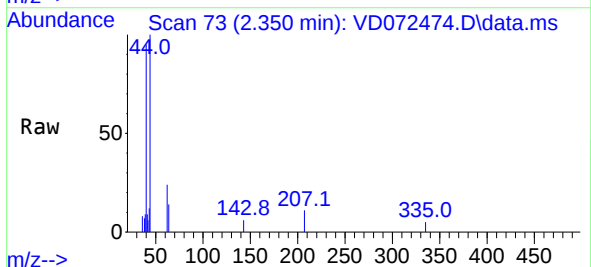
Instrument :
MSVOA_D
ClientSampleId :
PSE-COMP-01

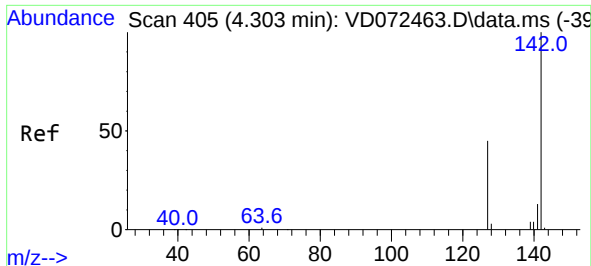
Tgt Ion:168 Resp: 462717
Ion Ratio Lower Upper
168 100
99 61.1 49.8 74.6



#4
Vinyl Chloride
Concen: 1.181 ug/l
RT: 2.350 min Scan# 73
Delta R.T. -0.000 min
Lab File: VD072474.D
Acq: 30 Mar 2022 12:55

Tgt Ion: 62 Resp: 919
Ion Ratio Lower Upper
62 100
64 56.6 25.4 38.0#

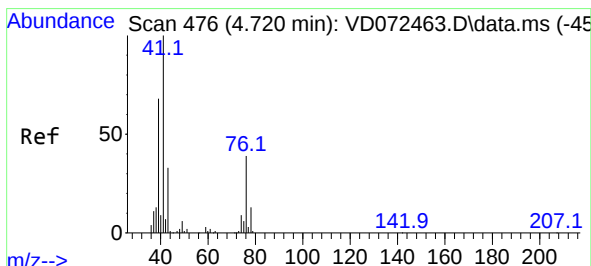
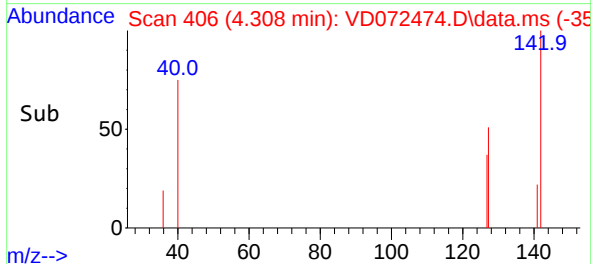
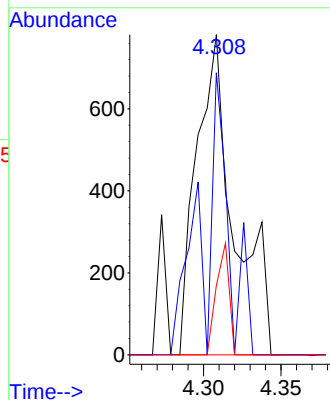
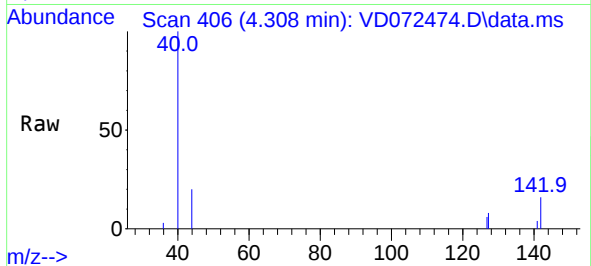




#10
Methyl Iodide
Concen: 3.977 ug/l
RT: 4.308 min Scan# 405
Delta R.T. 0.005 min
Lab File: VD072474.D
Acq: 30 Mar 2022 12:55

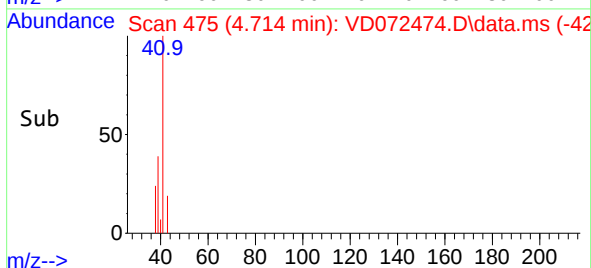
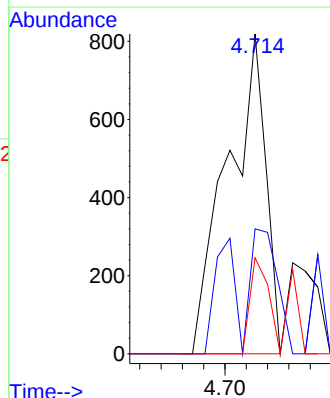
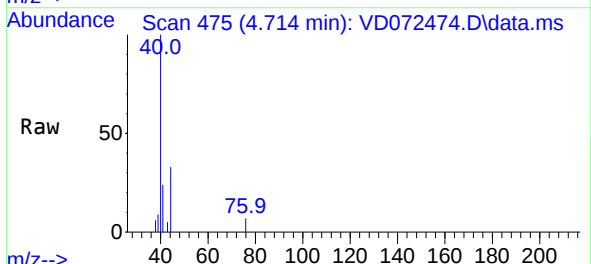
Instrument :
MSVOA_D
ClientSampleId :
PSE-COMP-01

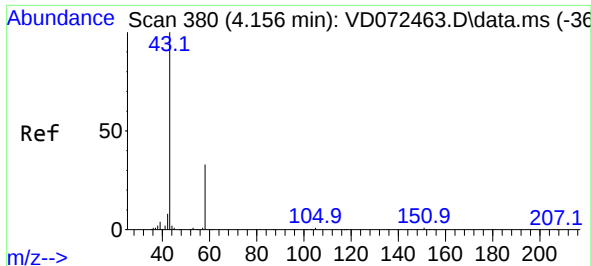
Tgt Ion:142 Resp: 1315
Ion Ratio Lower Upper
142 100
127 61.7 37.3 55.9#
141 11.9 11.7 17.5



#14
Allyl chloride
Concen: 1.264 ug/l
RT: 4.714 min Scan# 475
Delta R.T. -0.006 min
Lab File: VD072474.D
Acq: 30 Mar 2022 12:55

Tgt Ion: 41 Resp: 1022
Ion Ratio Lower Upper
41 100
39 27.3 59.3 88.9#
76 14.7 25.7 38.5#

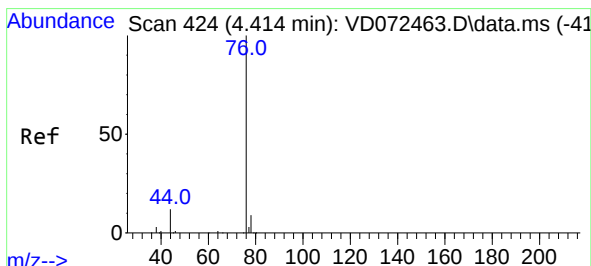
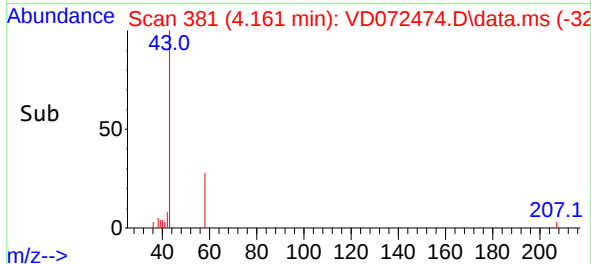
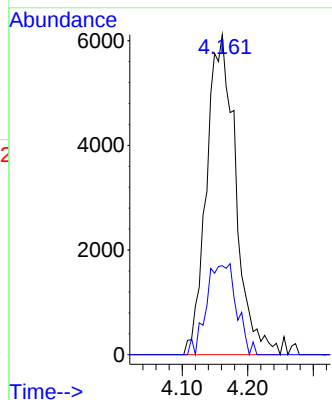
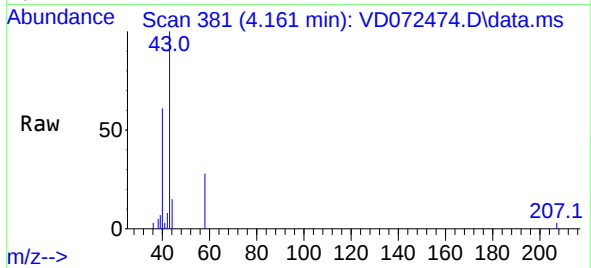




#16
Acetone
Concen: 18.075 ug/l
RT: 4.161 min Scan# 381
Delta R.T. 0.006 min
Lab File: VD072474.D
Acq: 30 Mar 2022 12:55

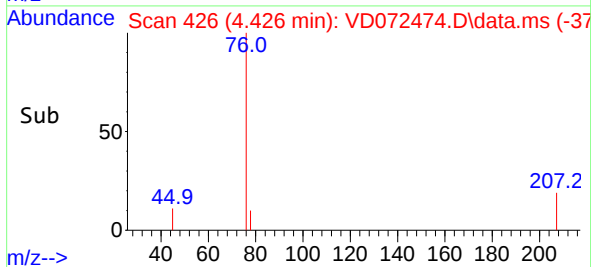
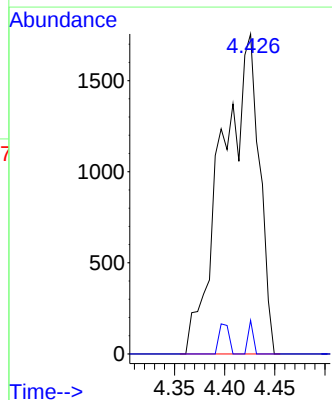
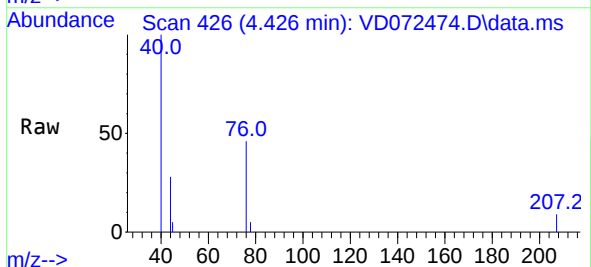
Instrument :
MSVOA_D
ClientSampleId :
PSE-COMP-01

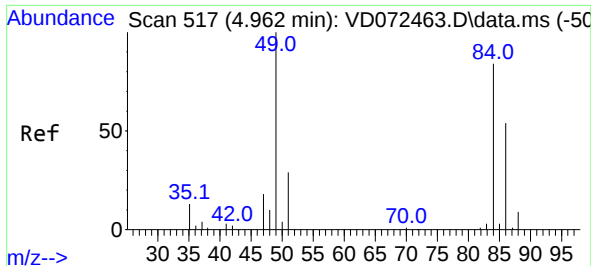
Tgt Ion: 43 Resp: 18866
Ion Ratio Lower Upper
43 100
58 27.8 22.1 33.1



#17
Carbon Disulfide
Concen: 4.093 ug/l
RT: 4.426 min Scan# 426
Delta R.T. 0.012 min
Lab File: VD072474.D
Acq: 30 Mar 2022 12:55

Tgt Ion: 76 Resp: 4536
Ion Ratio Lower Upper
76 100
78 10.5 7.5 11.3

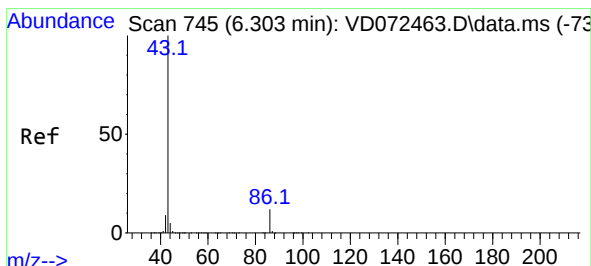
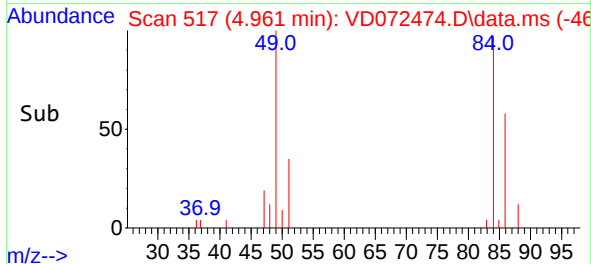
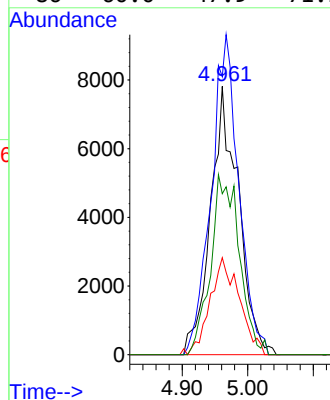
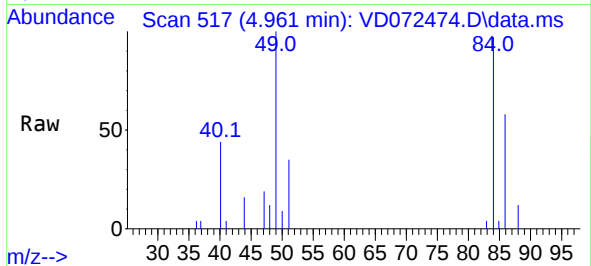




#20
Methylene Chloride
Concen: 3.715 ug/l
RT: 4.961 min Scan# 517
Delta R.T. -0.000 min
Lab File: VD072474.D
Acq: 30 Mar 2022 12:55

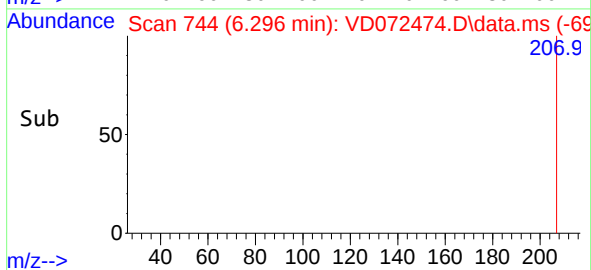
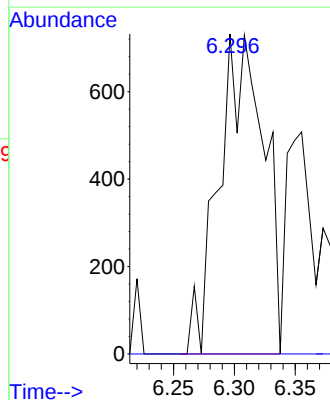
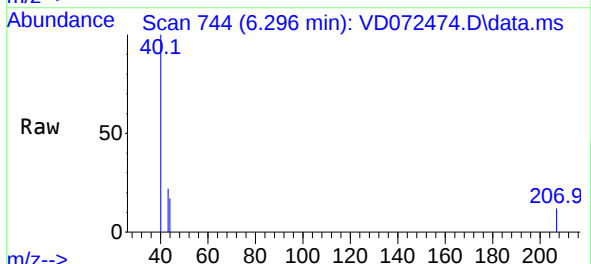
Instrument :
MSVOA_D
ClientSampleId :
PSE-COMP-01

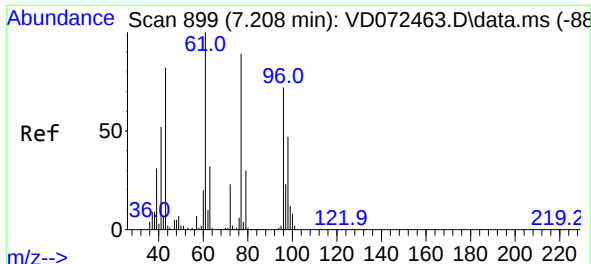
Tgt Ion: 84	Resp: 23081
Ion Ratio	Lower Upper
84 100	
49 103.6	112.8 169.2#
51 36.1	32.6 48.8
86 60.0	47.9 71.9



#23
Vinyl Acetate
Concen: 6.493 ug/l
RT: 6.296 min Scan# 744
Delta R.T. -0.007 min
Lab File: VD072474.D
Acq: 30 Mar 2022 12:55

Tgt Ion: 43	Resp: 1880
Ion Ratio	Lower Upper
43 100	
86 0.0	7.1 10.7#





#25

2-Butanone

Concen: 3.124 ug/l

RT: 7.220 min Scan# 90

Delta R.T. 0.011 min

Lab File: VD072474.D

Acq: 30 Mar 2022 12:55

Instrument :

MSVOA_D

ClientSampleId :

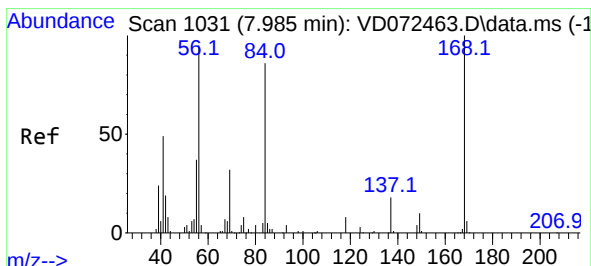
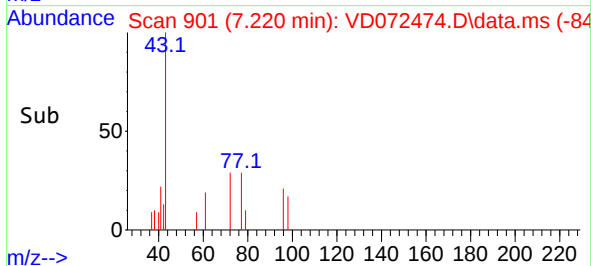
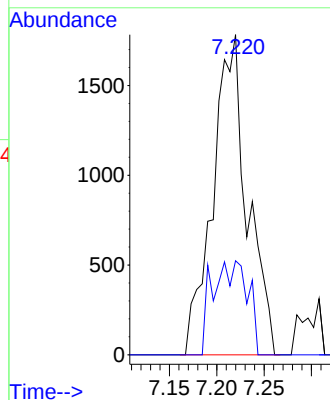
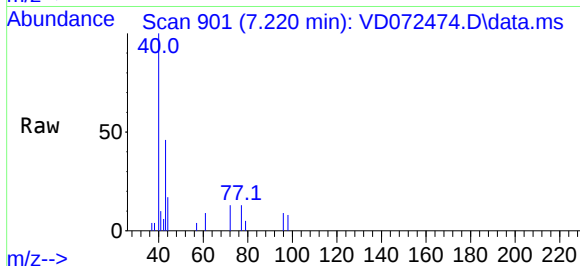
PSE-COMP-01

Tgt Ion: 43 Resp: 4509

Ion Ratio Lower Upper

43 100

72 29.4 18.6 27.8#



#31

Cyclohexane

Concen: 1.517 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.012 min

Lab File: VD072474.D

Acq: 30 Mar 2022 12:55

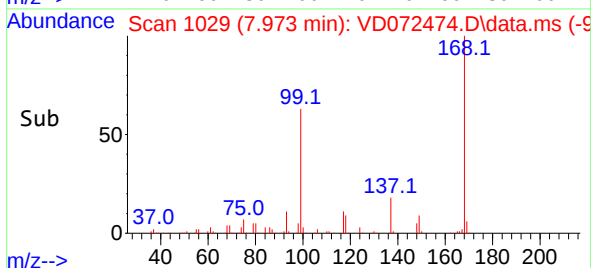
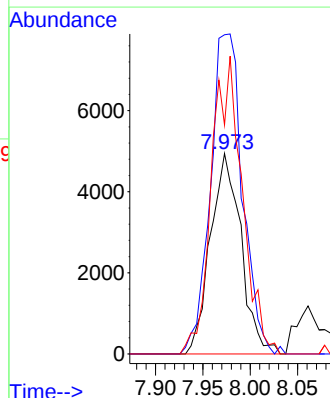
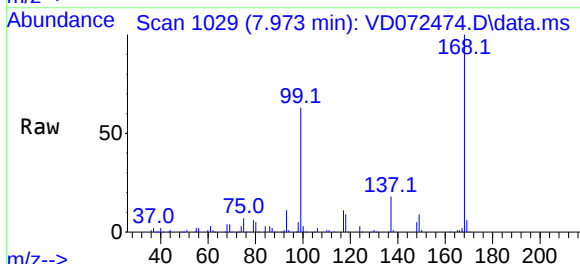
Tgt Ion: 56 Resp: 11106

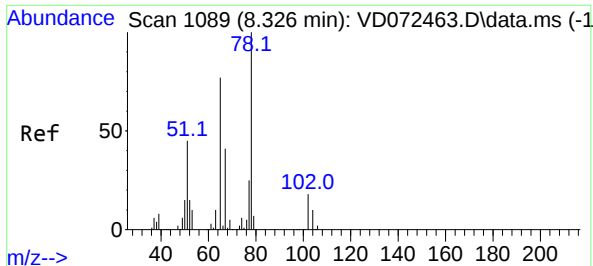
Ion Ratio Lower Upper

56 100

69 159.3 25.4 38.2#

84 114.2 63.0 94.4#





#33

1,2-Dichloroethane-d4

Concen: 35.221 ug/l

RT: 8.326 min Scan# 1089

Delta R.T. -0.000 min

Lab File: VD072474.D

Acq: 30 Mar 2022 12:55

Instrument :

MSVOA_D

ClientSampleId :

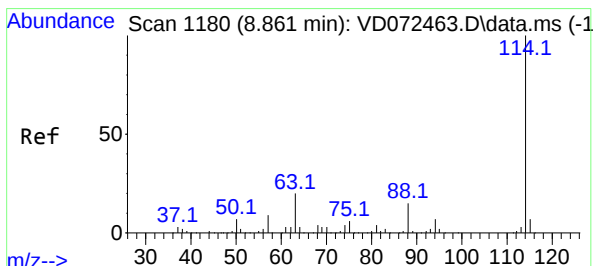
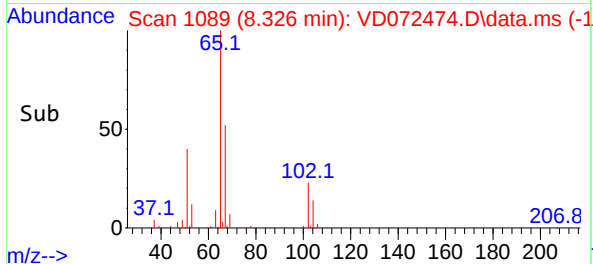
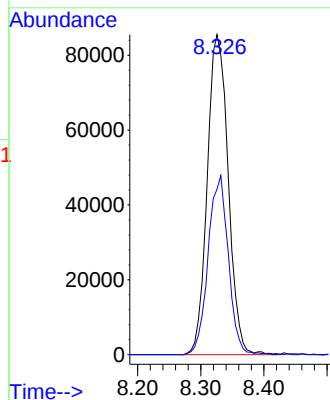
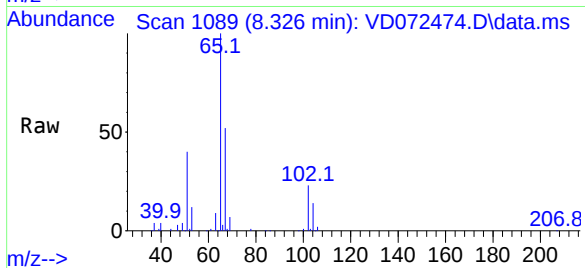
PSE-COMP-01

Tgt Ion: 65 Resp: 197150

Ion Ratio Lower Upper

65 100

67 53.9 0.0 101.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.861 min Scan# 1180

Delta R.T. -0.000 min

Lab File: VD072474.D

Acq: 30 Mar 2022 12:55

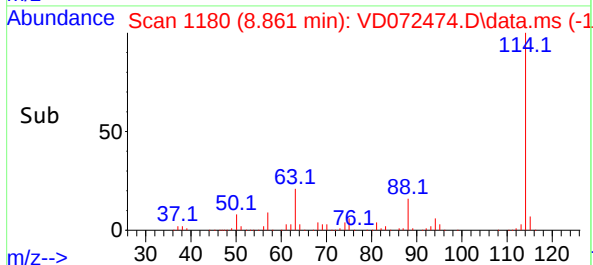
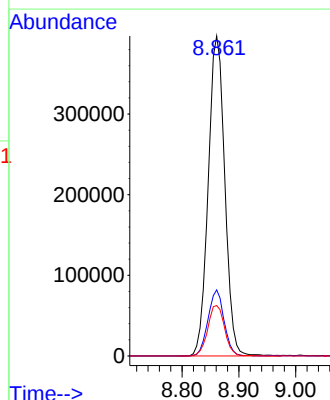
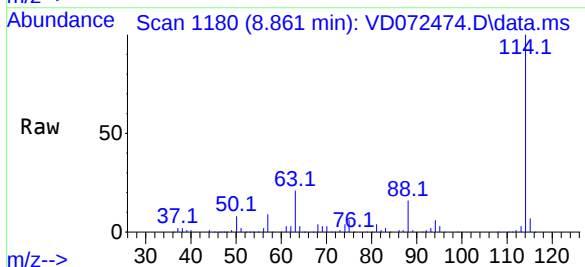
Tgt Ion: 114 Resp: 801346

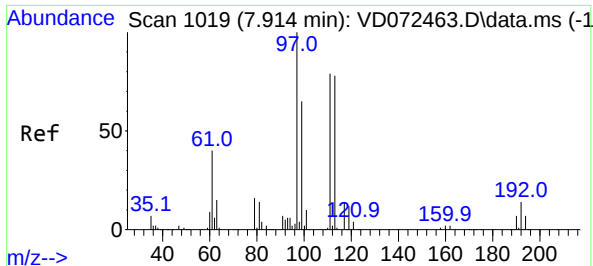
Ion Ratio Lower Upper

114 100

63 20.6 0.0 46.6

88 15.8 0.0 33.2

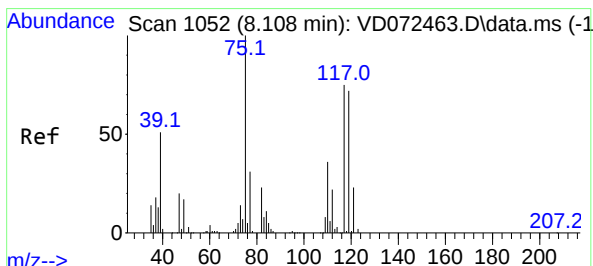
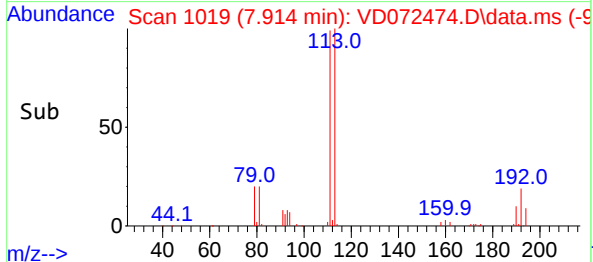
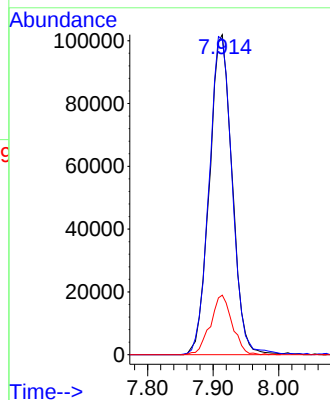
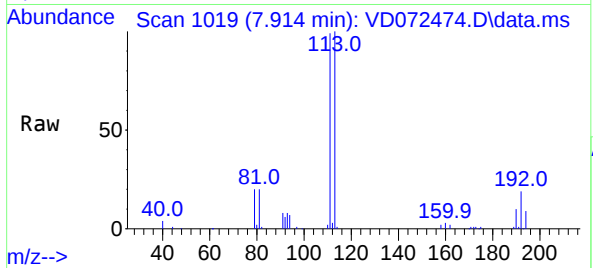




#35
Dibromofluoromethane
Concen: 39.286 ug/l
RT: 7.914 min Scan# 1019
Delta R.T. -0.000 min
Lab File: VD072474.D
Acq: 30 Mar 2022 12:55

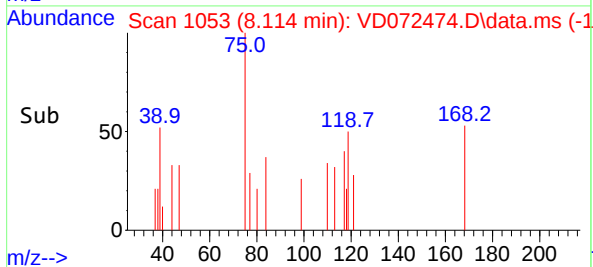
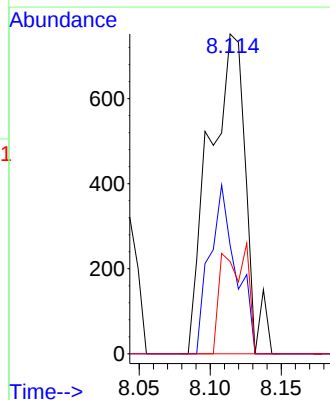
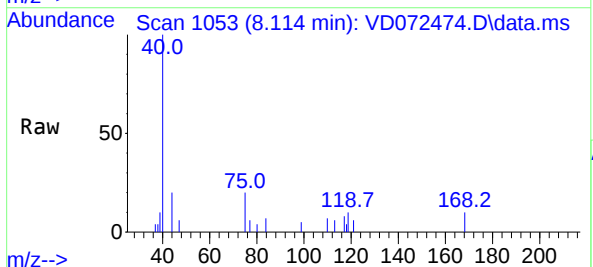
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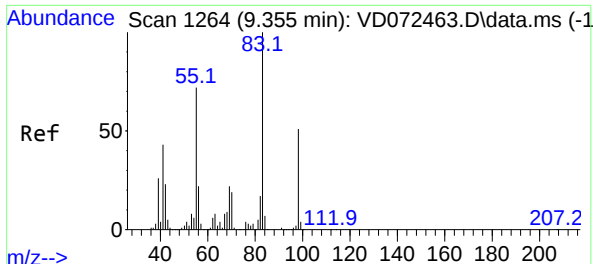
Tgt Ion:113 Resp: 244659
Ion Ratio Lower Upper
113 100
111 101.0 83.8 125.6
192 17.9 14.6 21.8



#36
1,1-Dichloropropene
Concen: 1.288 ug/l
RT: 8.114 min Scan# 1053
Delta R.T. 0.006 min
Lab File: VD072474.D
Acq: 30 Mar 2022 12:55

Tgt Ion: 75 Resp: 1334
Ion Ratio Lower Upper
75 100
110 38.3 16.4 49.1
77 23.3 24.2 36.2#

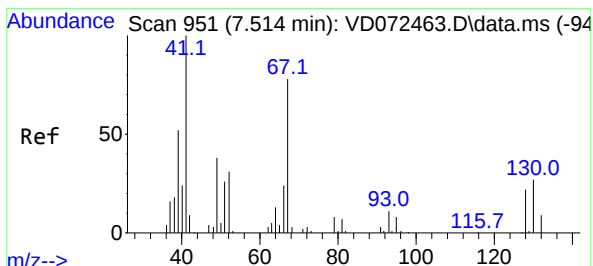
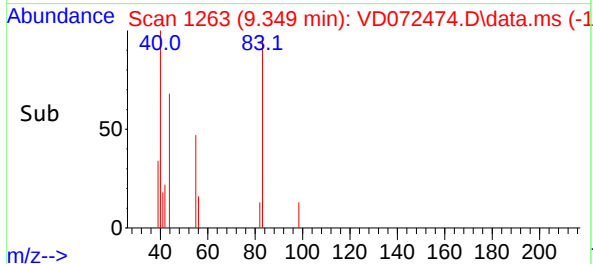
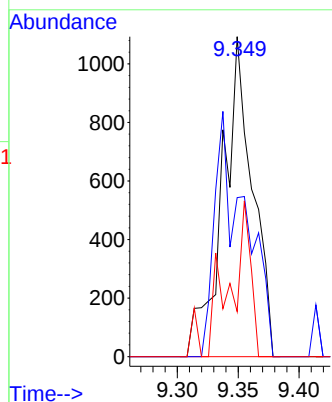
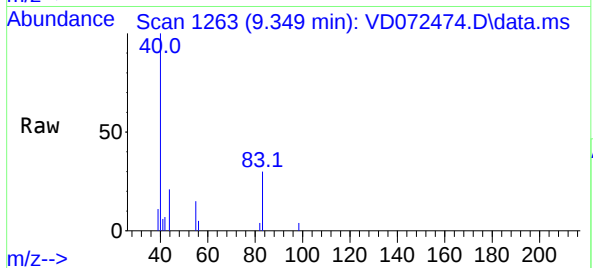




#39
Methylcyclohexane
Concen: 3.068 ug/l
RT: 9.349 min Scan# 11
Delta R.T. -0.006 min
Lab File: VD072474.D
Acq: 30 Mar 2022 12:55

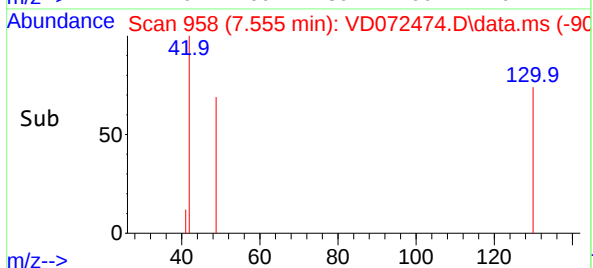
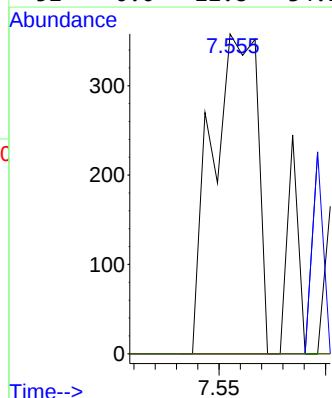
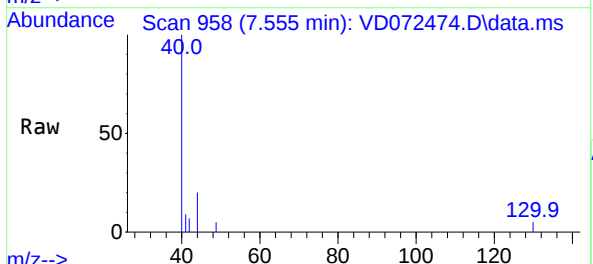
Instrument :
MSVOA_D
ClientSampleId :
PSE-COMP-01

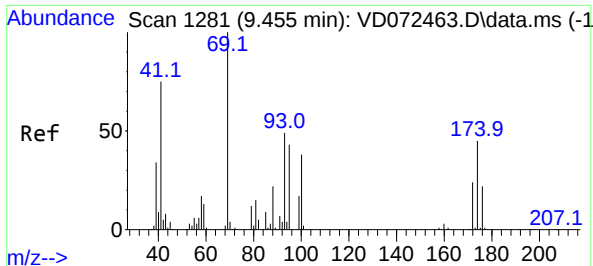
Tgt Ion: 83	Resp:	1884
Ion	Ratio	Lower Upper
83	100	
55	49.7	63.2 94.8#
98	14.1	38.2 57.4#



#41
Methacrylonitrile
Concen: 1.924 ug/l
RT: 7.555 min Scan# 958
Delta R.T. 0.041 min
Lab File: VD072474.D
Acq: 30 Mar 2022 12:55

Tgt Ion: 41	Resp:	531
Ion	Ratio	Lower Upper
41	100	
39	0.0	44.6 67.0#
67	0.0	48.2 72.4#
52	0.0	22.8 34.2#

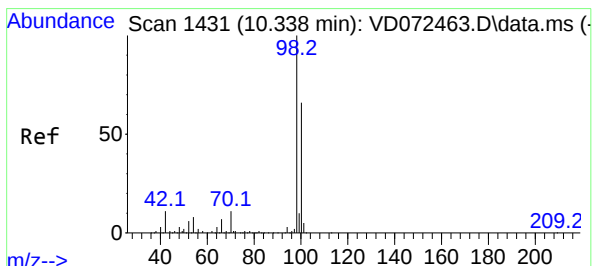
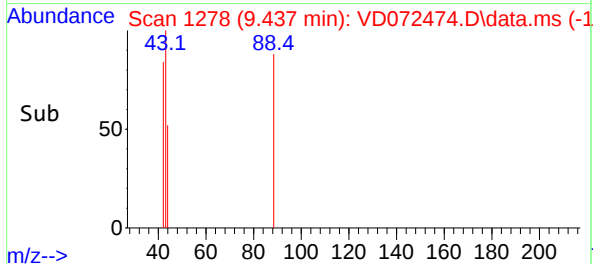
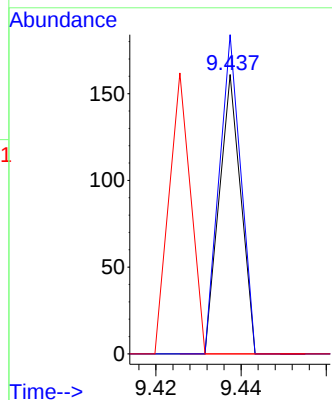
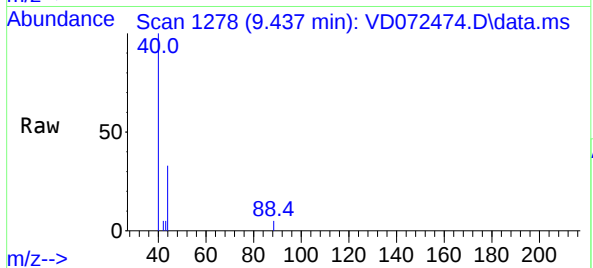




#49
1,4-Dioxane
Concen: 1.510 ug/l
RT: 9.437 min Scan# 11
Delta R.T. -0.018 min
Lab File: VD072474.D
Acq: 30 Mar 2022 12:55

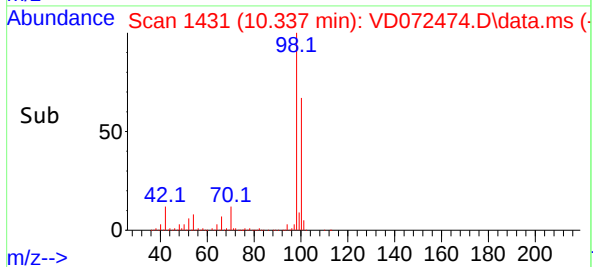
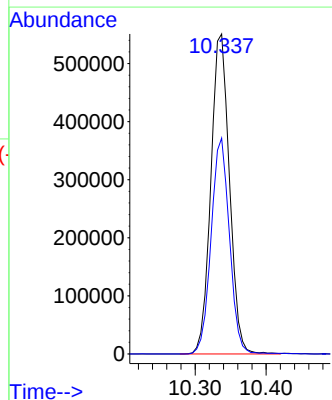
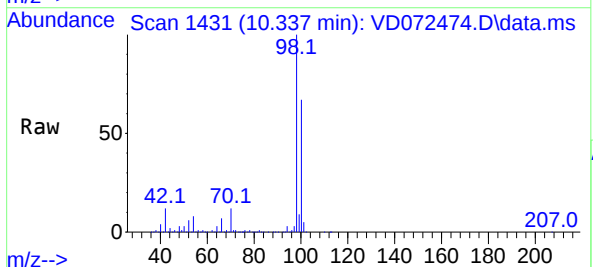
Instrument :
MSVOA_D
ClientSampleId :
PSE-COMP-01

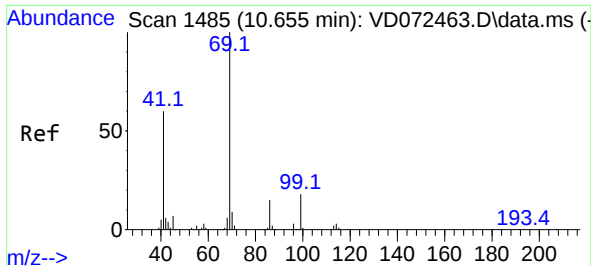
Tgt Ion: 88 Resp: 57
Ion Ratio Lower Upper
88 100
43 114.0 31.0 46.4#
58 100.0 58.1 87.1#



#50
Toluene-d8
Concen: 46.177 ug/l
RT: 10.337 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD072474.D
Acq: 30 Mar 2022 12:55

Tgt Ion: 98 Resp: 999608
Ion Ratio Lower Upper
98 100
100 66.5 52.4 78.6

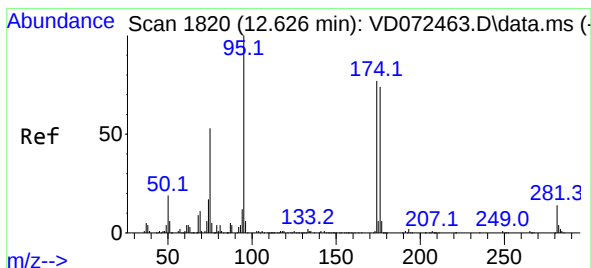
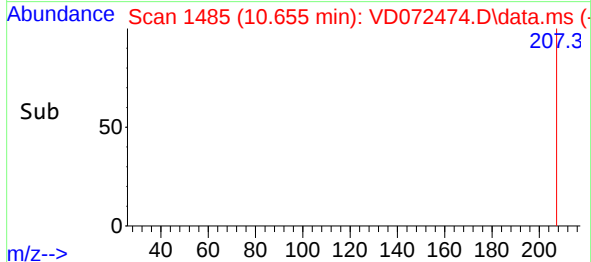
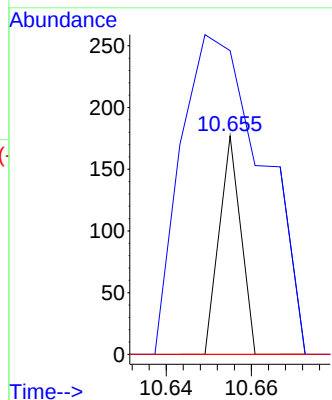
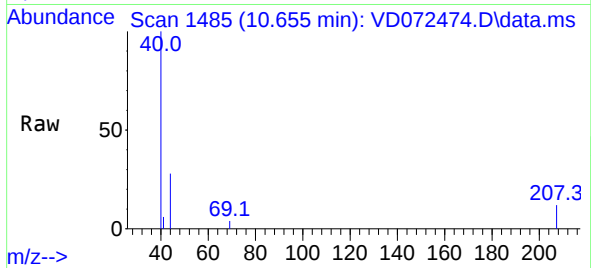




#56
Ethyl methacrylate
Concen: 1.201 ug/l
RT: 10.655 min Scan# 1485
Delta R.T. -0.000 min
Lab File: VD072474.D
Acq: 30 Mar 2022 12:55

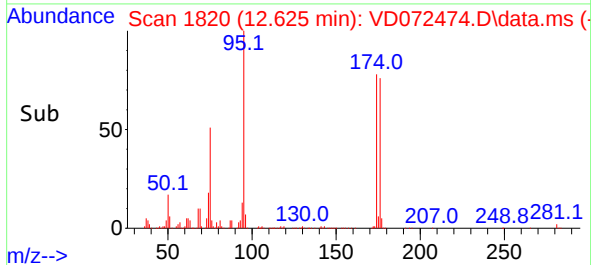
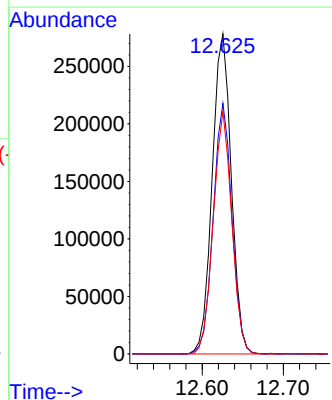
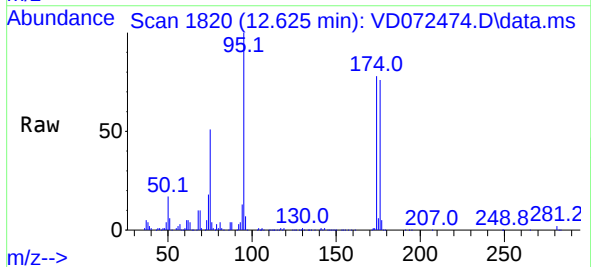
Instrument :
MSVOA_D
ClientSampleId :
PSE-COMP-01

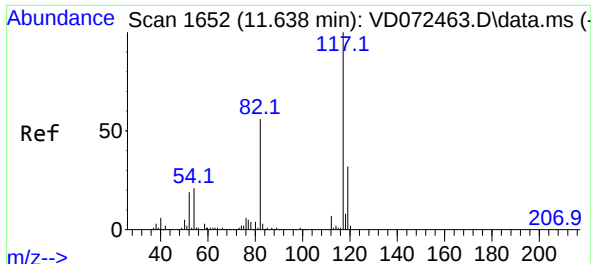
Tgt Ion: 69 Resp: 62
Ion Ratio Lower Upper
69 100
41 558.1 63.0 94.6#
39 0.0 33.8 50.8#



#62
4-Bromofluorobenzene
Concen: 53.750 ug/l
RT: 12.625 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD072474.D
Acq: 30 Mar 2022 12:55

Tgt Ion: 95 Resp: 454418
Ion Ratio Lower Upper
95 100
174 76.8 0.0 152.8
176 73.6 0.0 145.4

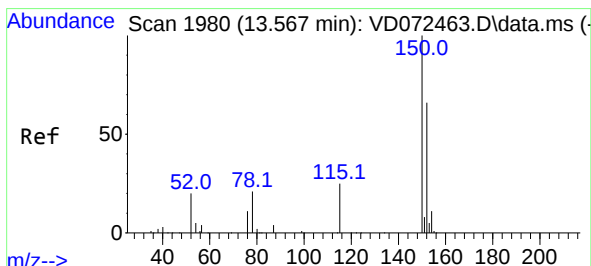
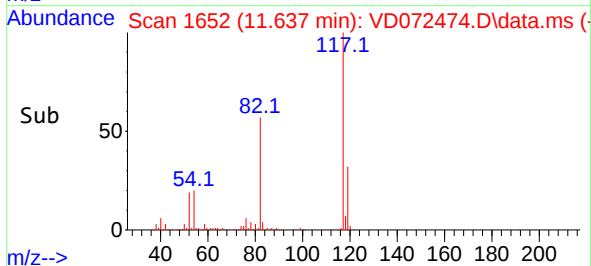
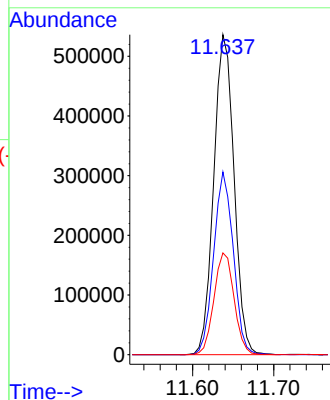
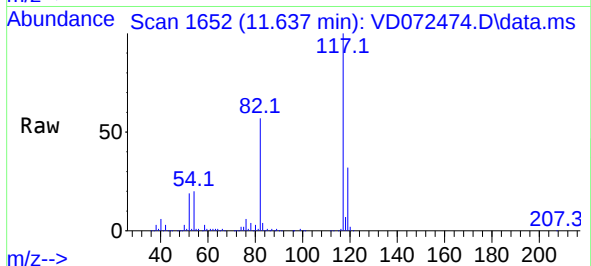




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.637 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD072474.D
Acq: 30 Mar 2022 12:55

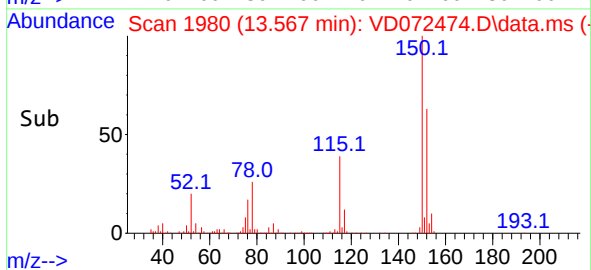
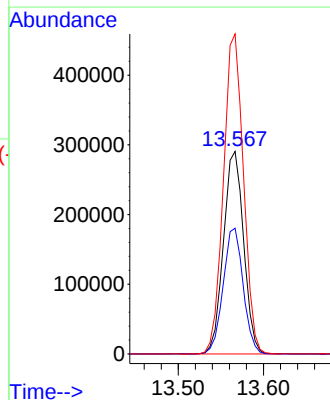
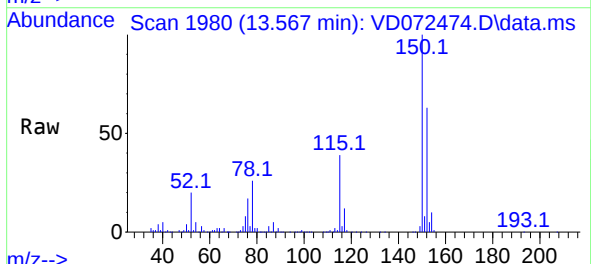
Instrument :
MSVOA_D
ClientSampleId :
PSE-COMP-01

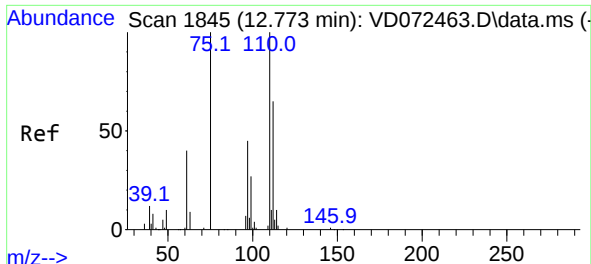
Tgt Ion:117 Resp: 932402
Ion Ratio Lower Upper
117 100
82 57.1 45.3 67.9
119 31.8 26.6 40.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. -0.000 min
Lab File: VD072474.D
Acq: 30 Mar 2022 12:55

Tgt Ion:152 Resp: 478172
Ion Ratio Lower Upper
152 100
115 61.7 31.3 93.8
150 156.8 0.0 348.6

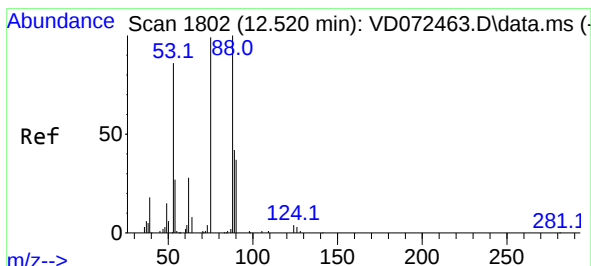
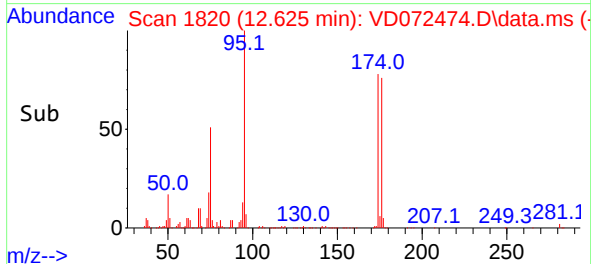
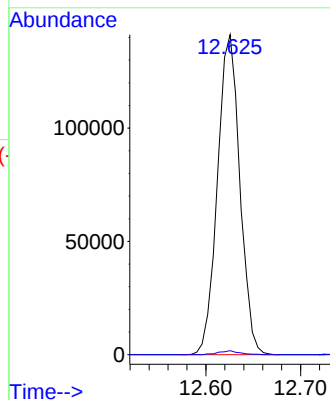
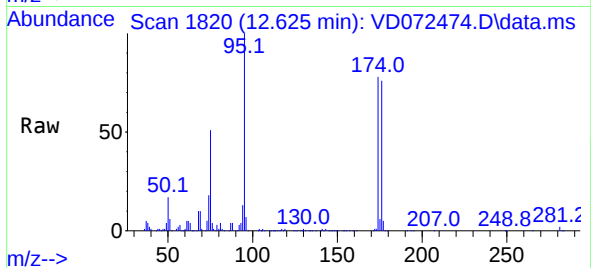




#76
1,2,3-Trichloropropane
Concen: 44.478 ug/l
RT: 12.625 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD072474.D
Acq: 30 Mar 2022 12:55

Instrument :
MSVOA_D
ClientSampleId :
PSE-COMP-01

Tgt Ion: 75 Resp: 231964
Ion Ratio Lower Upper
75 100
77 1.1 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 109.141 ug/l
RT: 12.625 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD072474.D
Acq: 30 Mar 2022 12:55

Tgt Ion: 75 Resp: 231964
Ion Ratio Lower Upper
75 100
53 0.1 86.5 129.7#
89 0.1 33.9 50.9#

