

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD052422\
 Data File : VD073333.D
 Acq On : 24 May 2022 19:13
 Operator : VA/SY
 Sample : N2949-22
 Misc : 5.21G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 P044-SS002-0006-02

Quant Time: May 25 05:29:05 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D051922S.M
 Quant Title : SW846 8260
 QLast Update : Thu May 19 15:13:42 2022
 Response via : Initial Calibration

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

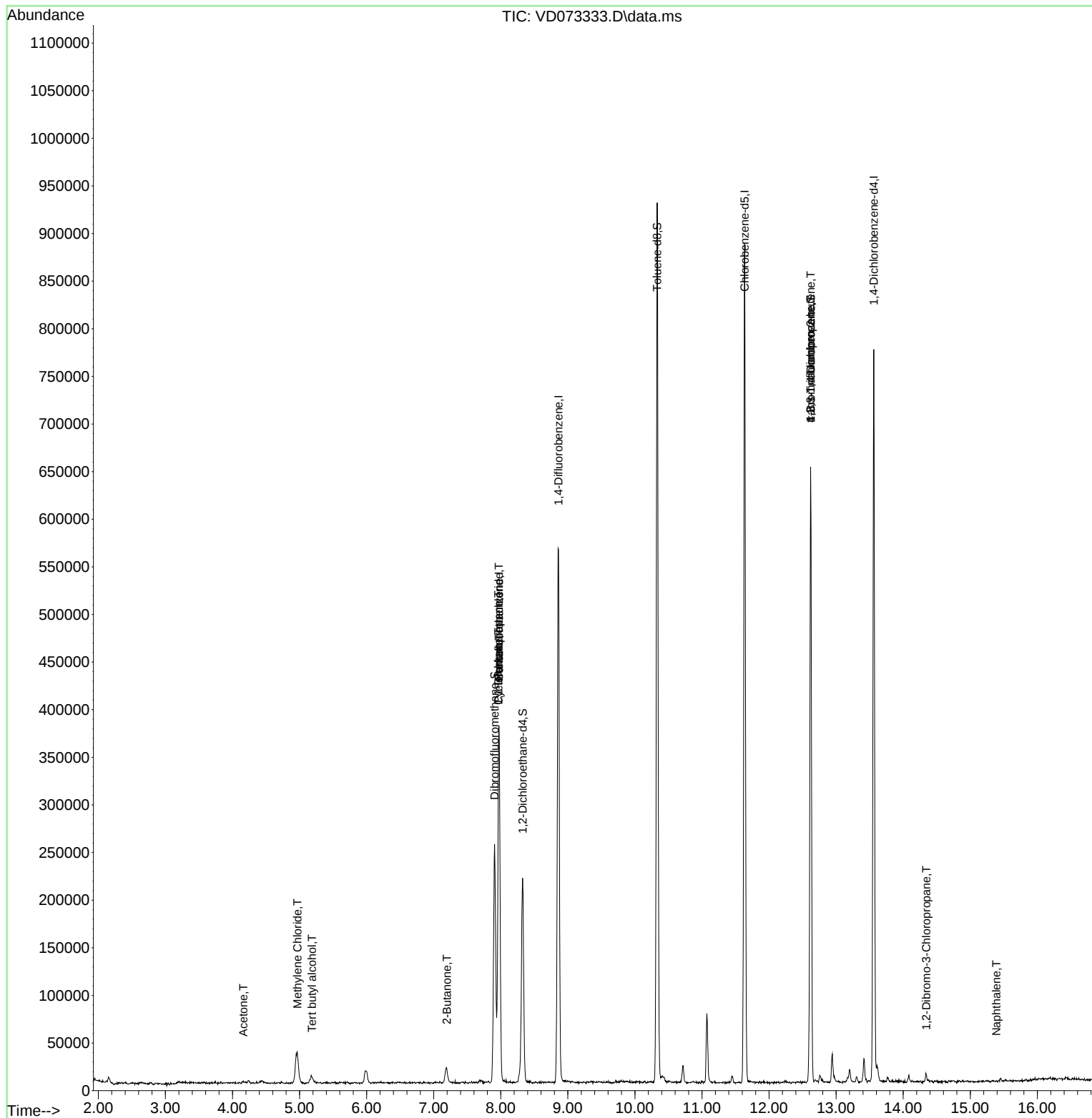
Internal Standards						
1) Pentafluorobenzene	7.973	168	272130	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	488513	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	503708	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	205823	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	168403	55.996	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 112.000%			
35) Dibromofluoromethane	7.908	113	175068	54.309	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 108.620%			
50) Toluene-d8	10.332	98	610543	51.381	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 102.760%			
62) 4-Bromofluorobenzene	12.620	95	209722	50.291	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 100.580%			
Target Compounds						
					Qvalue	
5) Bromomethane	2.768	94	574	Below Cal	#	43
11) Tert butyl alcohol	5.185	59	6780	14.531	ug/l #	74
16) Acetone	4.162	43	2304	4.423	ug/l #	68
20) Methylene Chloride	4.967	84	26380	4.337	ug/l	84
25) 2-Butanone	7.197	43	1050	1.378	ug/l #	52
31) Cyclohexane	7.967	56	5962	1.134	ug/l #	1
36) 1,1-Dichloropropene	7.967	75	24103	4.972	ug/l #	53
38) Carbon Tetrachloride	7.973	117	29048	5.911	ug/l #	18
76) 1,2,3-Trichloropropane	12.620	75	106319	52.647	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.620	75	106319	126.389	ug/l #	7
92) 1,2-Dibromo-3-Chloropr...	14.343	75	501	1.209	ug/l #	6
95) Naphthalene	15.390	128	70	3.551	ug/l #	70

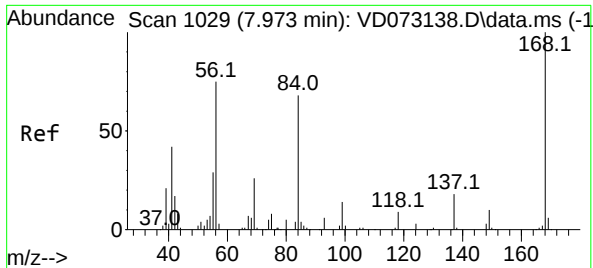
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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P044-SS002-0006-02

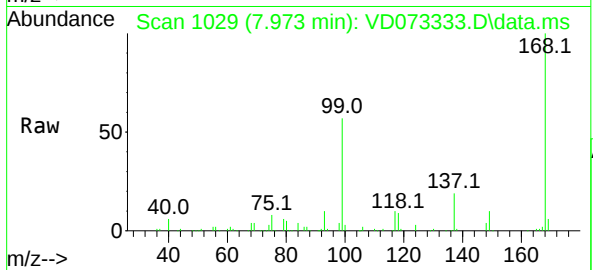
Quant Time: May 25 05:29:05 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D051922S.M
Quant Title : SW846 8260
QLast Update : Thu May 19 15:13:42 2022
Response via : Initial Calibration



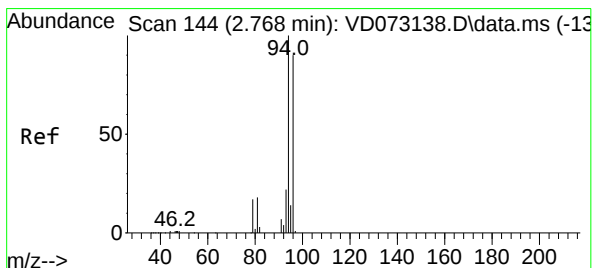
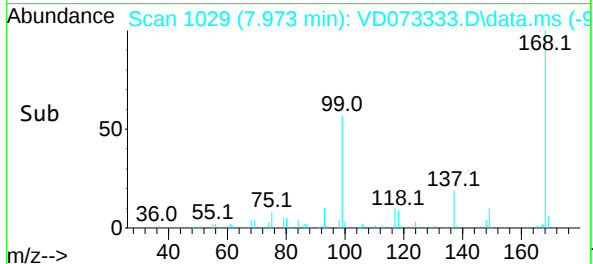
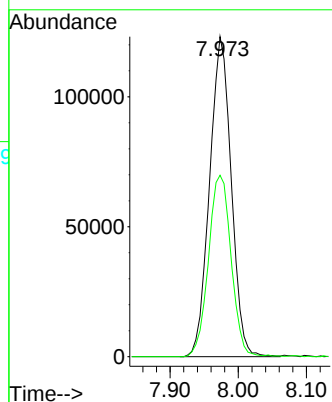


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. 0.000 min
Lab File: VD073333.D
Acq: 24 May 2022 19:13

Instrument :
MSVOA_D
ClientSampleId :
P044-SS002-0006-02

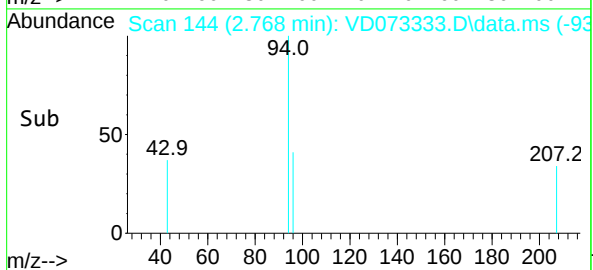
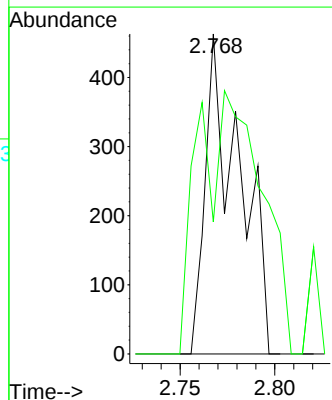
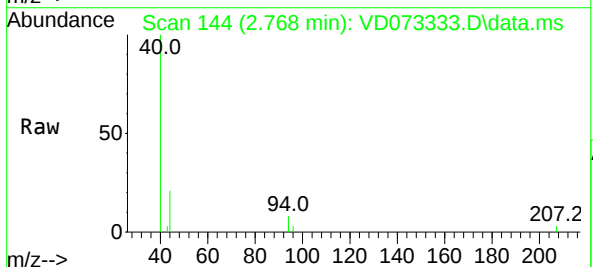


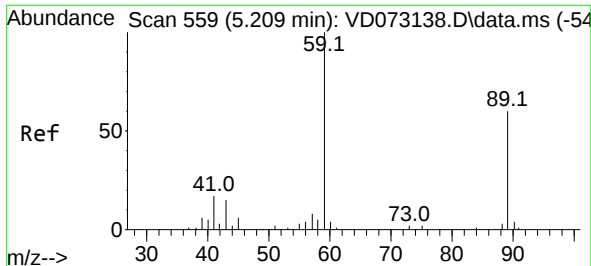
Tgt Ion:168 Resp: 272130
Ion Ratio Lower Upper
168 100
99 56.7 49.8 74.6



#5
Bromomethane
Concen: Below Cal
RT: 2.768 min Scan# 144
Delta R.T. -0.000 min
Lab File: VD073333.D
Acq: 24 May 2022 19:13

Tgt Ion: 94 Resp: 574
Ion Ratio Lower Upper
94 100
96 41.3 77.6 116.4#





#11

Tert butyl alcohol

Concen: 14.531 ug/l

RT: 5.185 min Scan# 51

Delta R.T. -0.024 min

Lab File: VD073333.D

Acq: 24 May 2022 19:13

Instrument :

MSVOA_D

ClientSampleId :

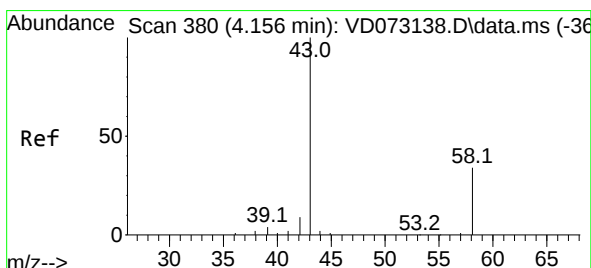
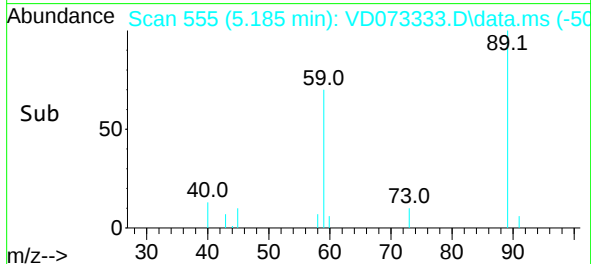
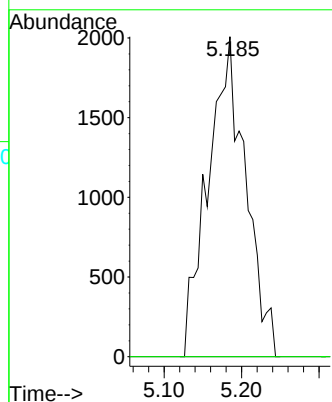
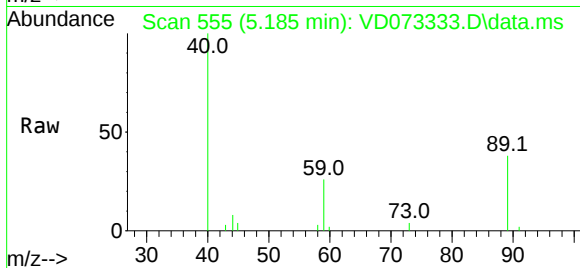
P044-SS002-0006-02

Tgt Ion: 59 Resp: 6780

Ion Ratio Lower Upper

59 100

57 0.0 7.8 11.6#



#16

Acetone

Concen: 4.423 ug/l

RT: 4.162 min Scan# 381

Delta R.T. 0.006 min

Lab File: VD073333.D

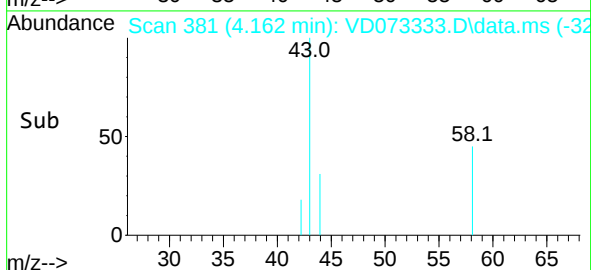
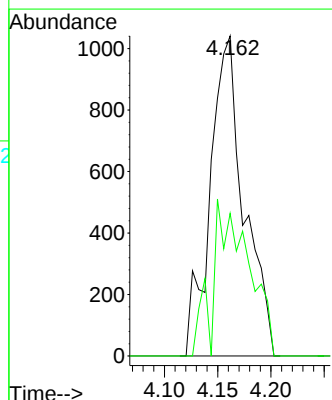
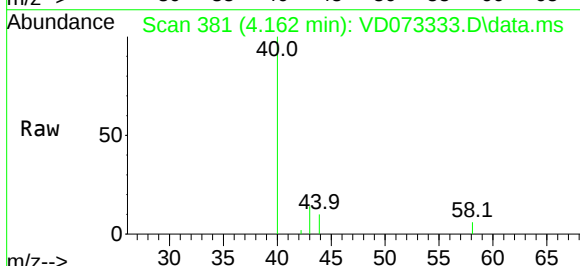
Acq: 24 May 2022 19:13

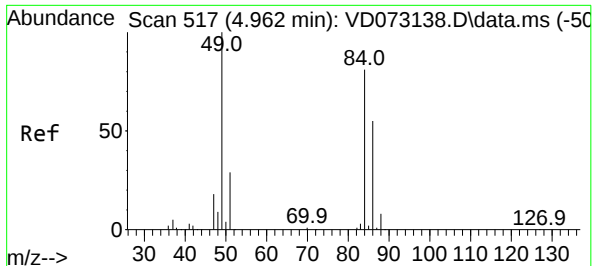
Tgt Ion: 43 Resp: 2304

Ion Ratio Lower Upper

43 100

58 44.6 22.1 33.1#

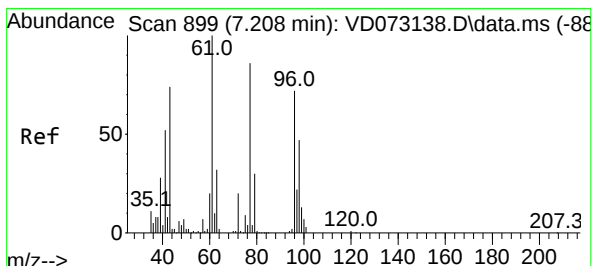
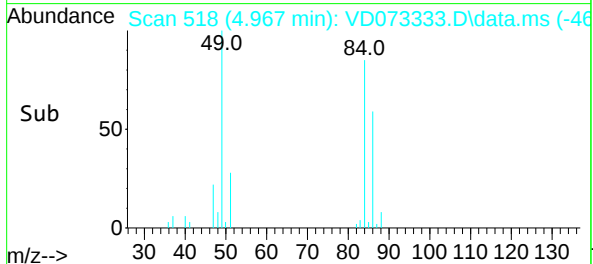
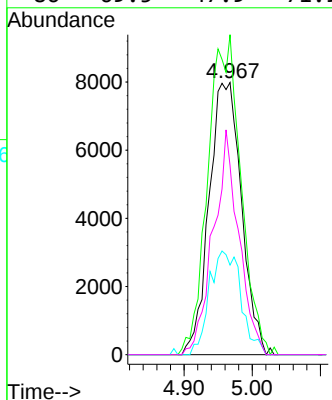
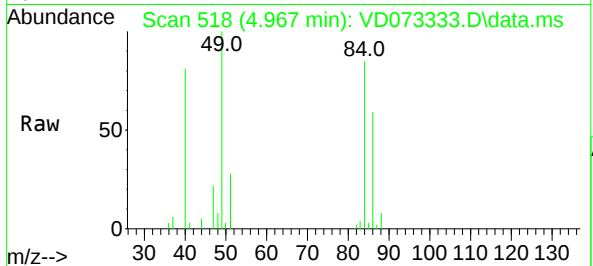




#20
Methylene Chloride
Concen: 4.337 ug/l
RT: 4.967 min Scan# 517
Delta R.T. 0.005 min
Lab File: VD073333.D
Acq: 24 May 2022 19:13

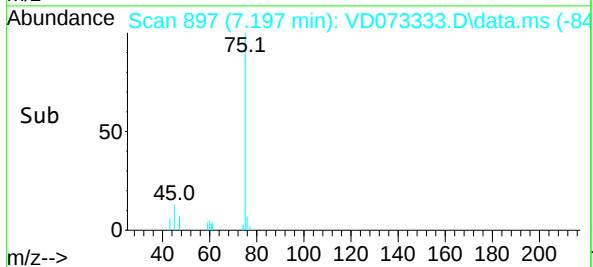
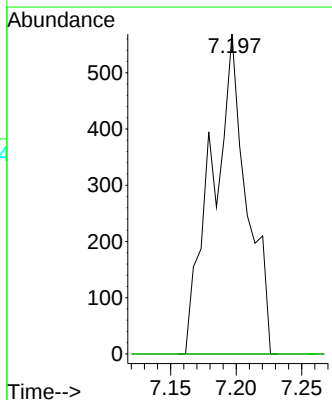
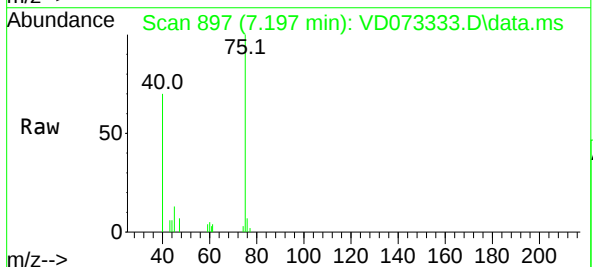
Instrument :
MSVOA_D
ClientSampleId :
P044-SS002-0006-02

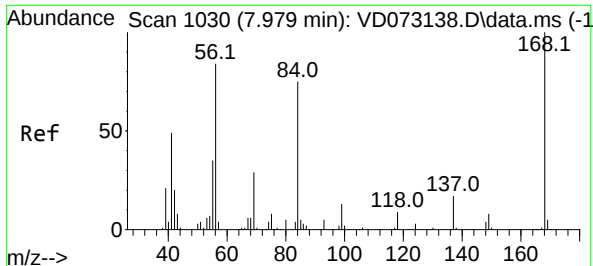
Tgt Ion:	84	Resp:	26380
Ion	Ratio	Lower	Upper
84	100		
49	117.6	112.8	169.2
51	32.9	32.6	48.8
86	69.5	47.9	71.9



#25
2-Butanone
Concen: 1.378 ug/l
RT: 7.197 min Scan# 897
Delta R.T. -0.011 min
Lab File: VD073333.D
Acq: 24 May 2022 19:13

Tgt Ion:	43	Resp:	1050
Ion	Ratio	Lower	Upper
43	100		
72	0.0	18.6	27.8#





#31

Cyclohexane

Concen: 1.134 ug/l

RT: 7.967 min Scan# 1028

Delta R.T. -0.012 min

Lab File: VD073333.D

Acq: 24 May 2022 19:13

Instrument :

MSVOA_D

ClientSampleId :

P044-SS002-0006-02

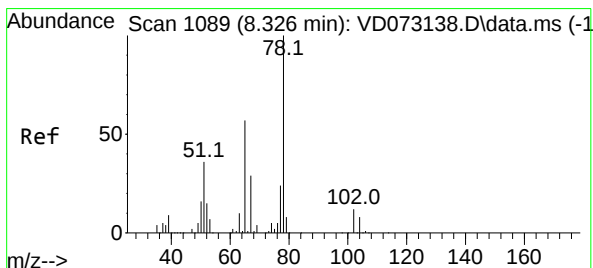
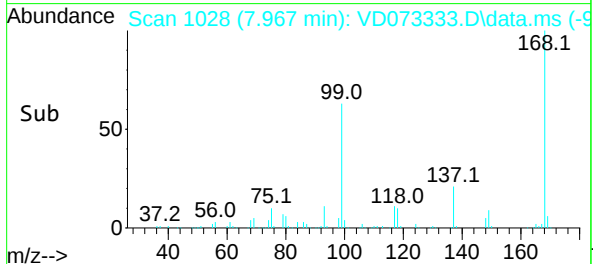
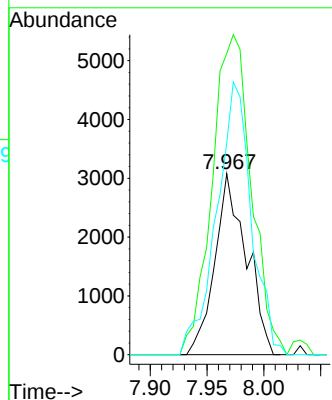
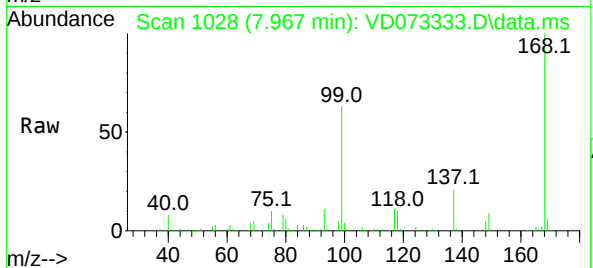
Tgt Ion: 56 Resp: 5962

Ion Ratio Lower Upper

56 100

69 166.5 25.4 38.2#

84 117.1 63.0 94.4#



#33

1,2-Dichloroethane-d4

Concen: 55.996 ug/l

RT: 8.326 min Scan# 1089

Delta R.T. 0.000 min

Lab File: VD073333.D

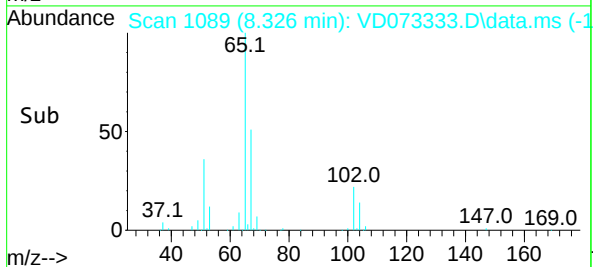
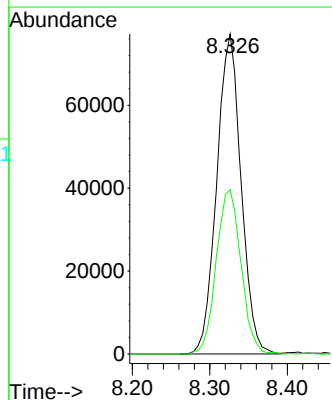
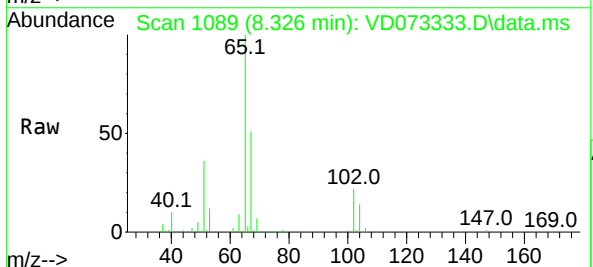
Acq: 24 May 2022 19:13

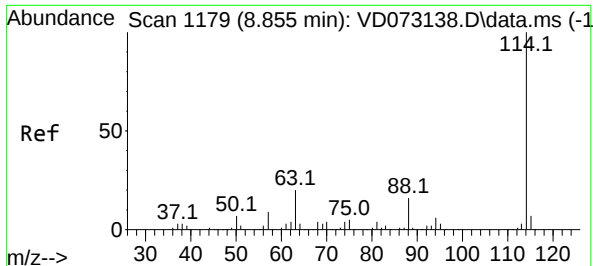
Tgt Ion: 65 Resp: 168403

Ion Ratio Lower Upper

65 100

67 52.1 0.0 101.4

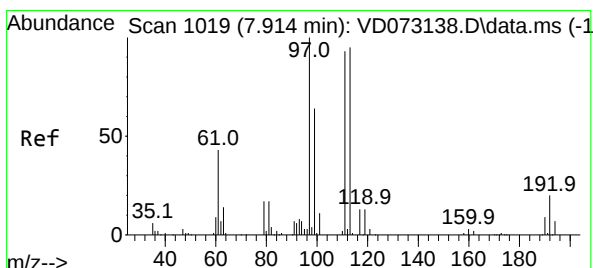
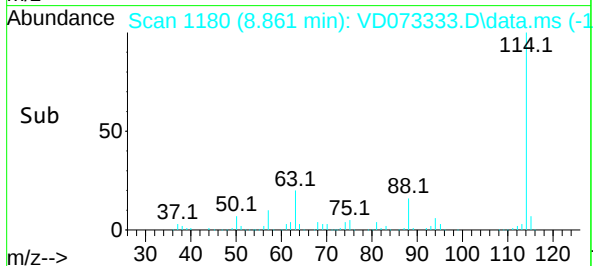
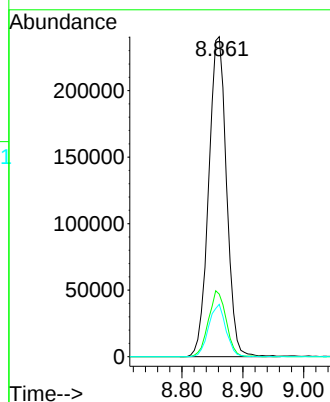
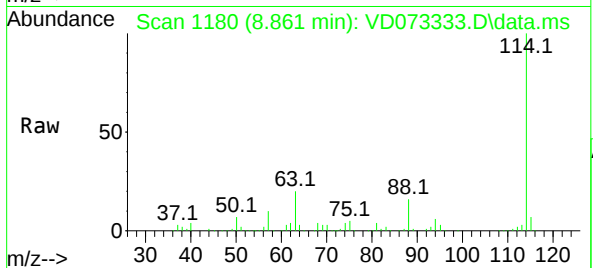




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1179
Delta R.T. 0.006 min
Lab File: VD073333.D
Acq: 24 May 2022 19:13

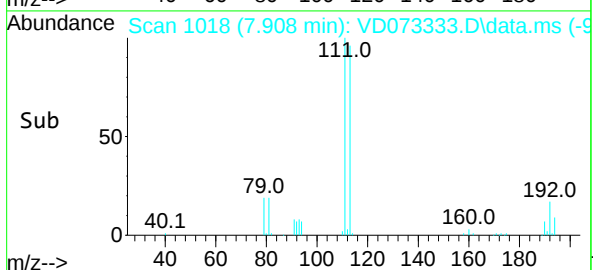
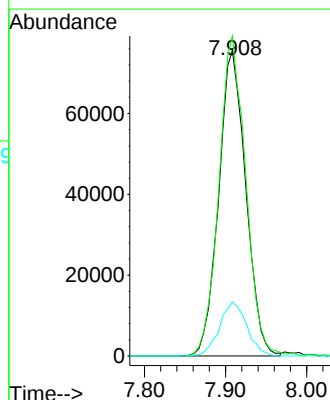
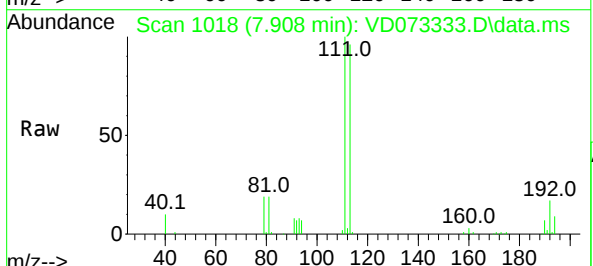
Instrument :
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P044-SS002-0006-02

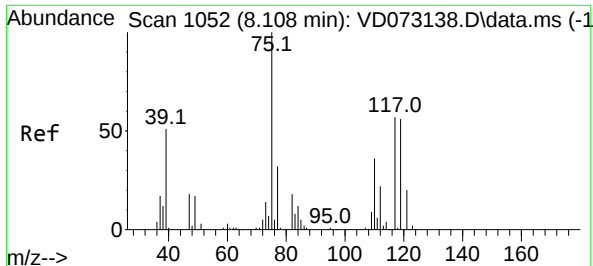
Tgt Ion:114 Resp: 488513
Ion Ratio Lower Upper
114 100
63 19.5 0.0 46.6
88 16.4 0.0 33.2



#35
Dibromofluoromethane
Concen: 54.309 ug/l
RT: 7.908 min Scan# 1018
Delta R.T. -0.006 min
Lab File: VD073333.D
Acq: 24 May 2022 19:13

Tgt Ion:113 Resp: 175068
Ion Ratio Lower Upper
113 100
111 104.0 83.8 125.6
192 17.8 14.6 21.8





#36

1,1-Dichloropropene

Concen: 4.972 ug/l

RT: 7.967 min Scan# 1028

Delta R.T. -0.141 min

Lab File: VD073333.D

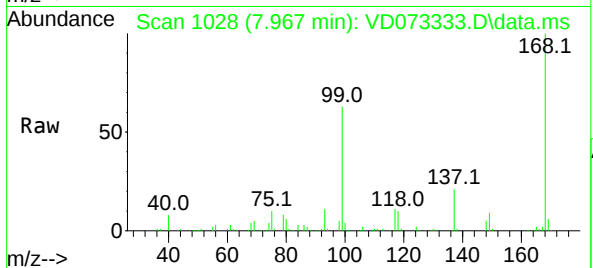
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Instrument :

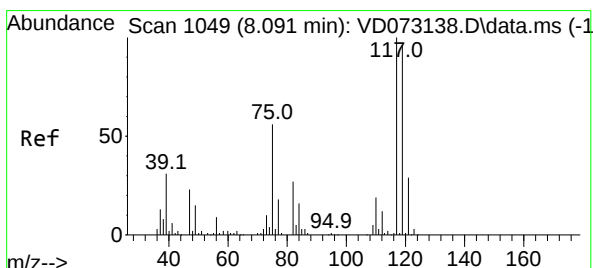
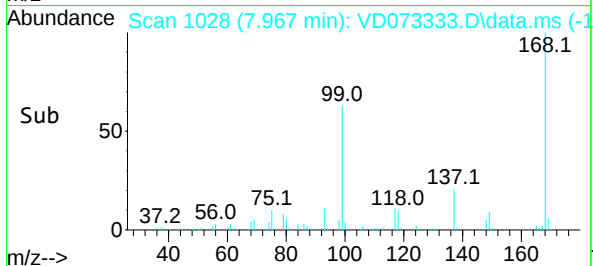
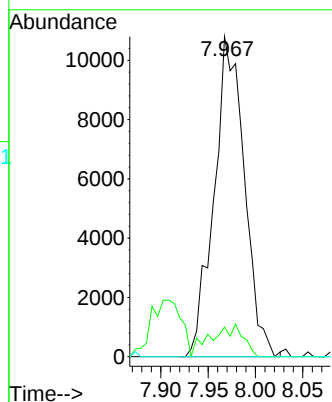
MSVOA_D

ClientSampleId :

P044-SS002-0006-02



Tgt Ion: 75	Resp: 24103
Ion Ratio	Lower Upper
75 100	
110 10.7	16.4 49.1#
77 0.0	24.2 36.2#



#38

Carbon Tetrachloride

Concen: 5.911 ug/l

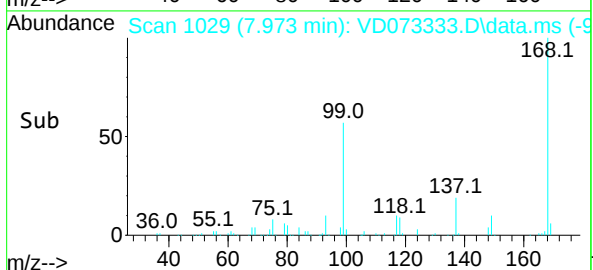
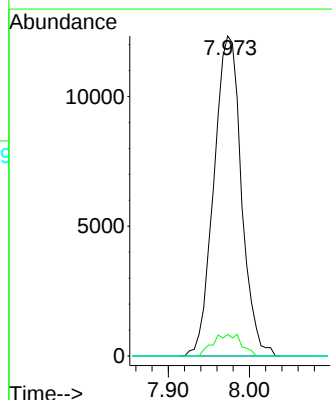
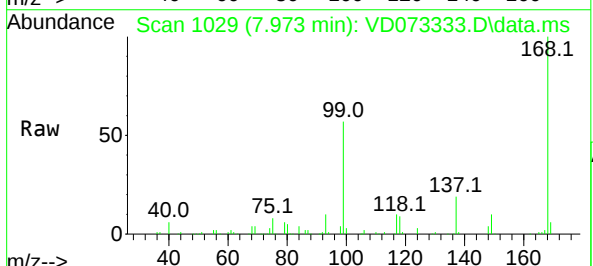
RT: 7.973 min Scan# 1029

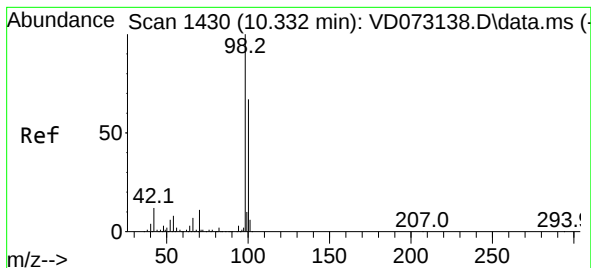
Delta R.T. -0.118 min

Lab File: VD073333.D

Acq: 24 May 2022 19:13

Tgt Ion: 117	Resp: 29048
Ion Ratio	Lower Upper
117 100	
119 6.7	75.8 113.6#
121 0.0	24.5 36.7#





#50

Toluene-d8

Concen: 51.381 ug/l

RT: 10.332 min Scan# 1430

Delta R.T. -0.000 min

Lab File: VD073333.D

Acq: 24 May 2022 19:13

Instrument :

MSVOA_D

ClientSampleId :

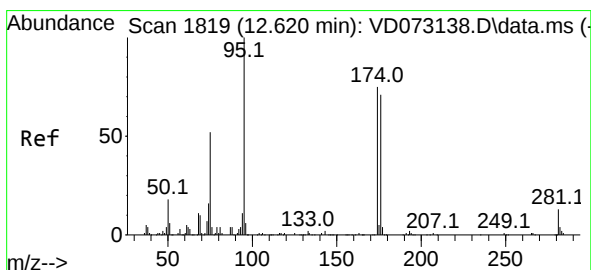
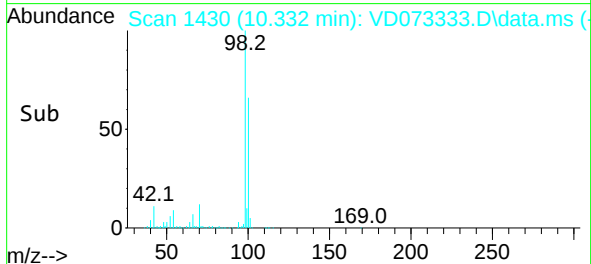
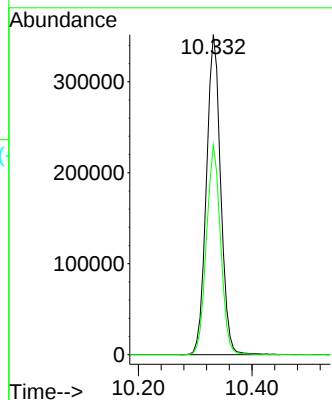
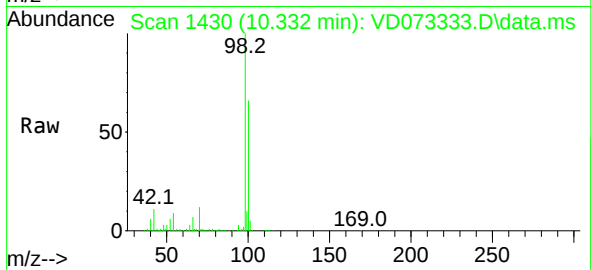
P044-SS002-0006-02

Tgt Ion: 98 Resp: 610543

Ion Ratio Lower Upper

98 100

100 65.0 52.4 78.6



#62

4-Bromofluorobenzene

Concen: 50.291 ug/l

RT: 12.620 min Scan# 1819

Delta R.T. -0.000 min

Lab File: VD073333.D

Acq: 24 May 2022 19:13

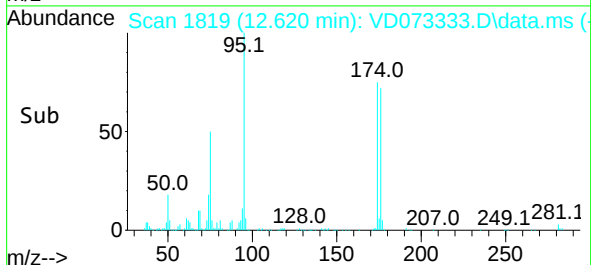
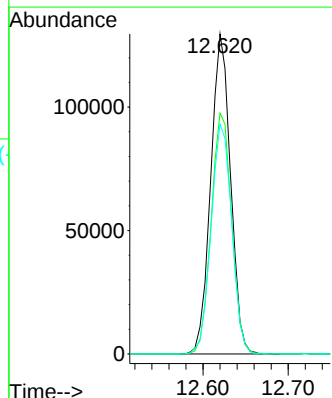
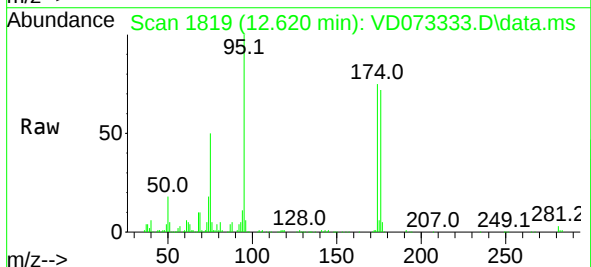
Tgt Ion: 95 Resp: 209722

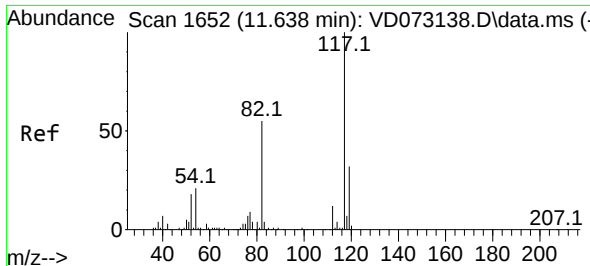
Ion Ratio Lower Upper

95 100

174 77.7 0.0 152.8

176 74.6 0.0 145.4

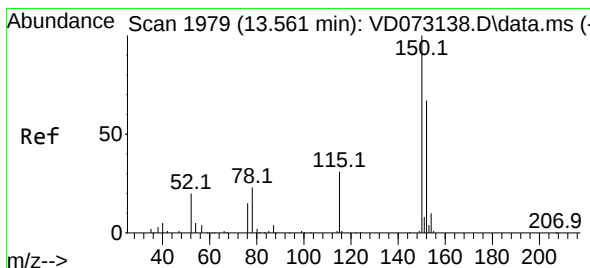
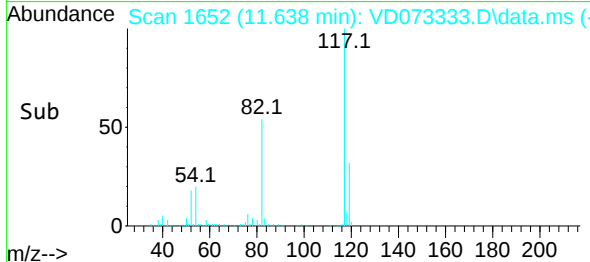
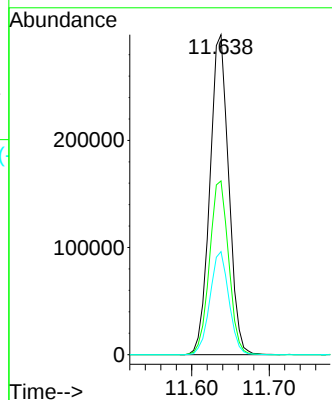
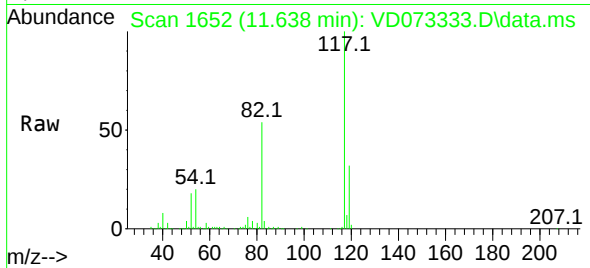




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 117
Delta R.T. -0.000 min
Lab File: VD073333.D
Acq: 24 May 2022 19:13

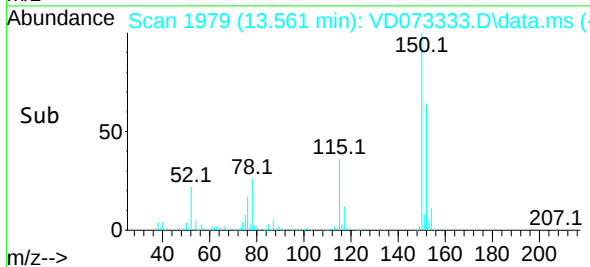
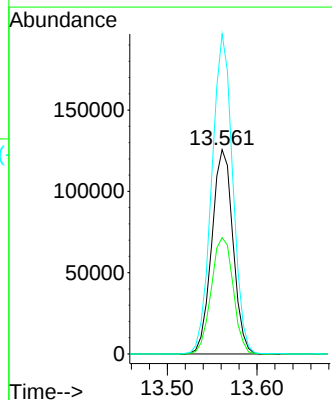
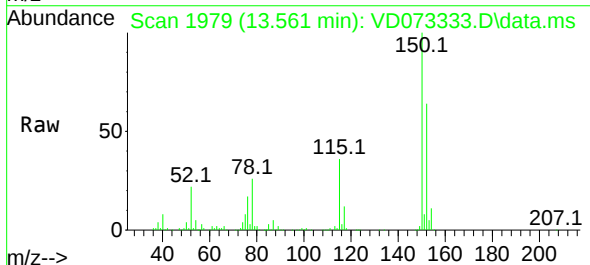
Instrument :
MSVOA_D
ClientSampleId :
P044-SS002-0006-02

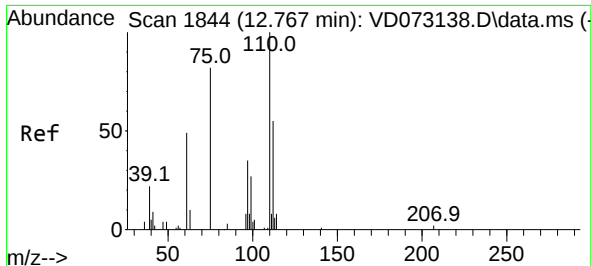
Tgt Ion:	117	Resp:	503708
Ion Ratio	Lower	Upper	
117	100		
82	54.3	45.3	67.9
119	32.2	26.6	40.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. 0.000 min
Lab File: VD073333.D
Acq: 24 May 2022 19:13

Tgt Ion:	152	Resp:	205823
Ion Ratio	Lower	Upper	
152	100		
115	59.1	31.3	93.8
150	154.8	0.0	348.6

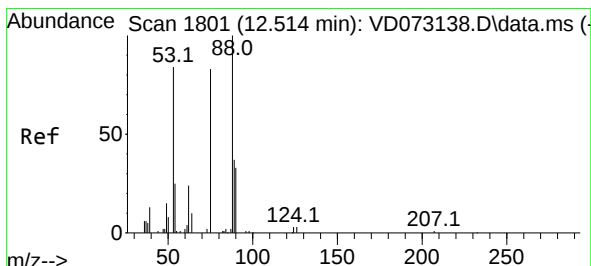
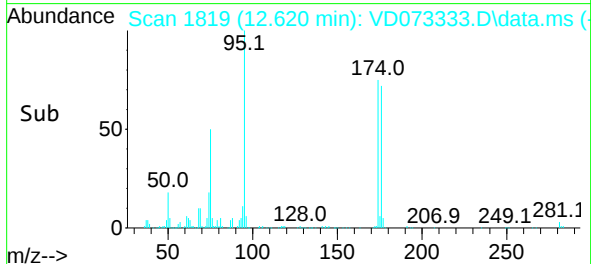
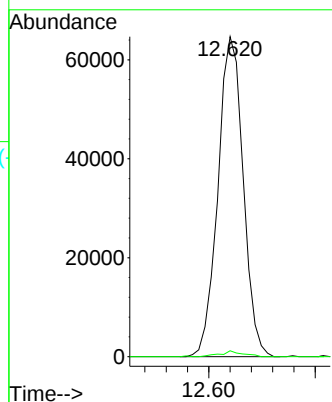
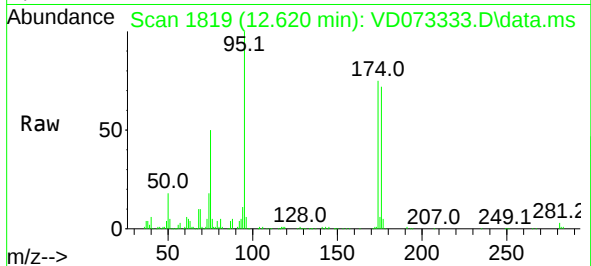




#76
1,2,3-Trichloropropane
Concen: 52.647 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.147 min
Lab File: VD073333.D
Acq: 24 May 2022 19:13

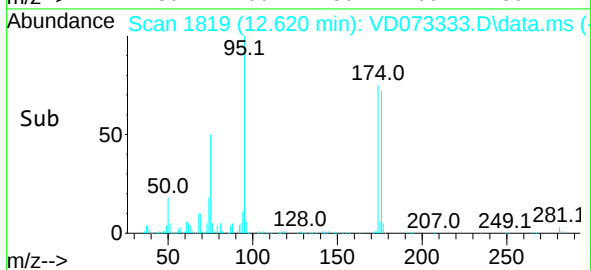
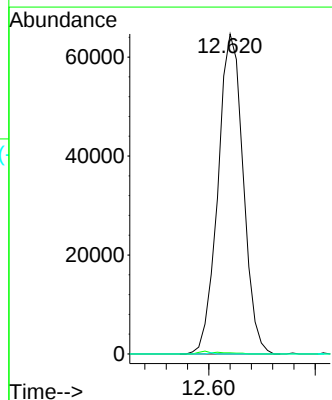
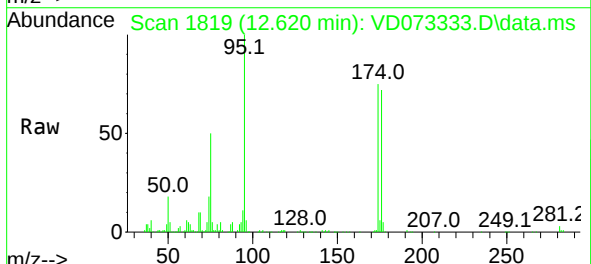
Instrument :
MSVOA_D
ClientSampleId :
P044-SS002-0006-02

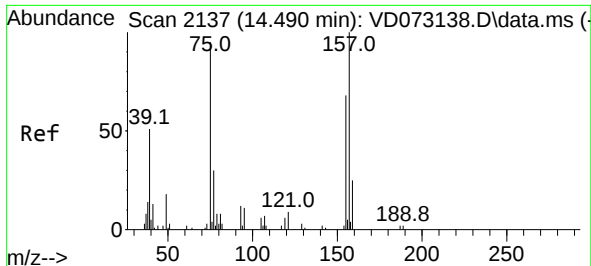
Tgt Ion: 75 Resp: 106319
Ion Ratio Lower Upper
75 100
77 1.6 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 126.389 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.106 min
Lab File: VD073333.D
Acq: 24 May 2022 19:13

Tgt Ion: 75 Resp: 106319
Ion Ratio Lower Upper
75 100
53 0.0 86.5 129.7#
89 0.0 33.9 50.9#





#92

1,2-Dibromo-3-Chloropropane

Concen: 1.209 ug/l

RT: 14.343 min Scan# 21

Delta R.T. -0.147 min

Lab File: VD073333.D

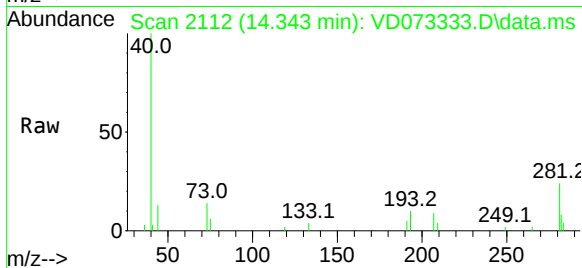
Acq: 24 May 2022 19:13

Instrument :

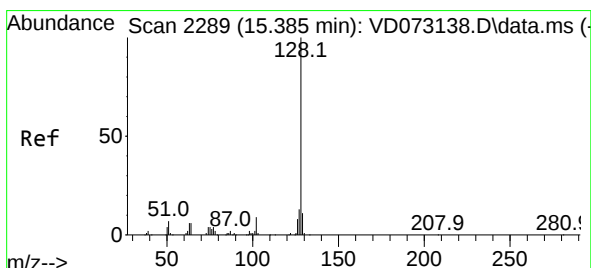
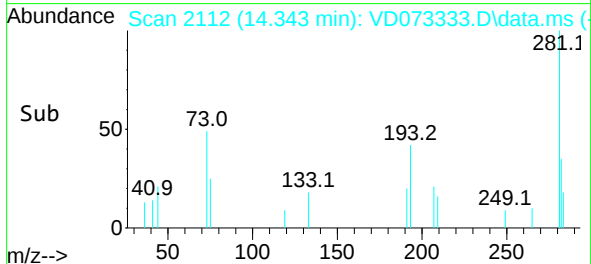
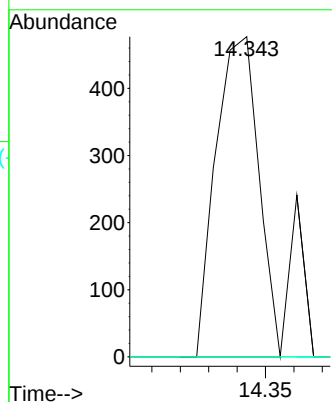
MSVOA_D

ClientSampleId :

P044-SS002-0006-02



Tgt Ion:	75	Resp:	501
Ion	Ratio	Lower	Upper
75	100		
155	0.0	36.8	110.3#
157	0.0	48.4	145.0#



#95

Naphthalene

Concen: 3.551 ug/l

RT: 15.390 min Scan# 2290

Delta R.T. 0.005 min

Lab File: VD073333.D

Acq: 24 May 2022 19:13

Tgt Ion:	128	Resp:	70
Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.3	15.5#
129	0.0	8.4	12.6#

