

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD102023\
 Data File : VD077366.D
 Acq On : 20 Oct 2023 16:02
 Operator : JC/SY
 Sample : 04978-02
 Misc : 5.44G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Oct 21 05:30:16 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D101723S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 18 03:02:43 2023
 Response via : Initial Calibration

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

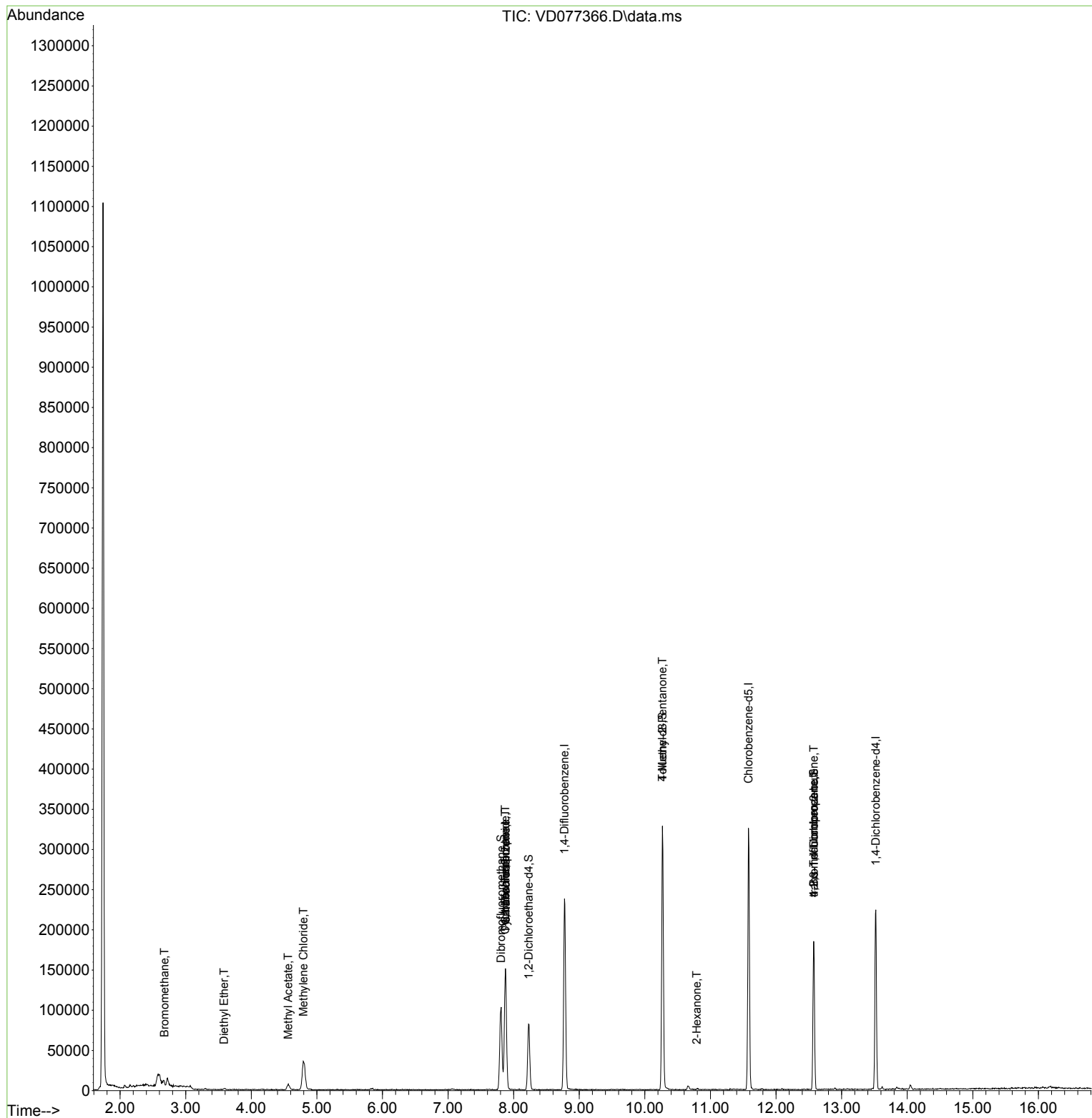
Internal Standards						
1) Pentafluorobenzene	7.881	168	119394	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	225370	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	199961	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	64489	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	64273	60.287	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 120.580%	
35) Dibromofluoromethane	7.810	113	76190	48.120	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 96.240%	
50) Toluene-d8	10.269	98	235990	41.618	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 83.240%	
62) 4-Bromofluorobenzene	12.575	95	53517	32.787	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 65.580%	
Target Compounds						
					Qvalue	
5) Bromomethane	2.675	94	2534	1.477	ug/l	89
8) Diethyl Ether	3.587	74	904	1.245	ug/l	90
18) Methyl Acetate	4.563	43	12323	15.145	ug/l	93
20) Methylene Chloride	4.793	84	31865	19.621	ug/l	95
31) Cyclohexane	7.869	56	2758	1.663	ug/l #	69
36) 1,1-Dichloropropene	7.875	75	9405	4.521	ug/l #	47
38) Carbon Tetrachloride	7.875	117	11991	5.181	ug/l #	14
51) 4-Methyl-2-Pentanone	10.269	43	679	1.151	ug/l #	1
59) 2-Hexanone	10.793	43	743	1.754	ug/l #	16
76) 1,2,3-Trichloropropane	12.575	75	27629	32.569	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.575	75	27629	114.799	ug/l #	17

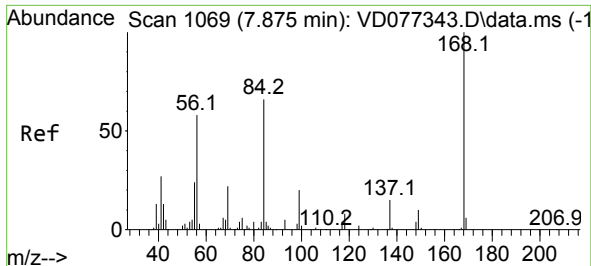
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Oct 18 03:02:43 2023
Response via : Initial Calibration

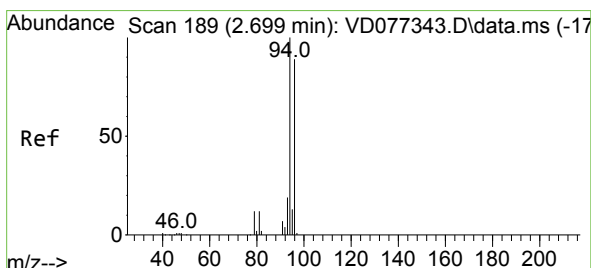
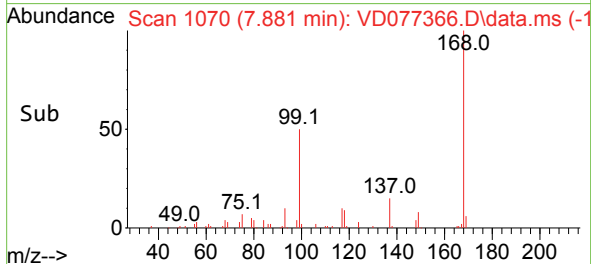
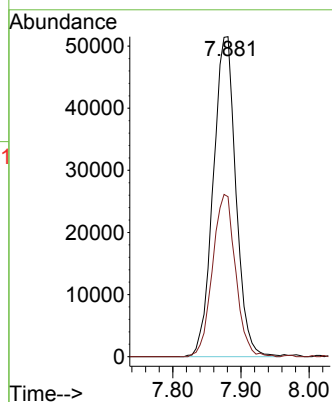
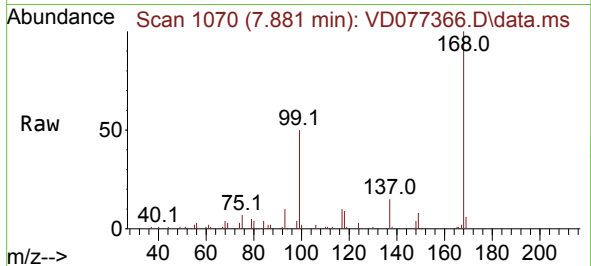




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.881 min Scan# 1069
Delta R.T. 0.006 min
Lab File: VD077366.D
Acq: 20 Oct 2023 16:02

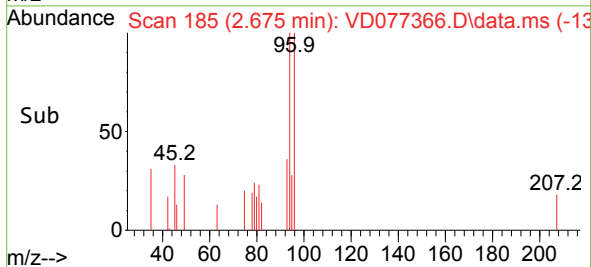
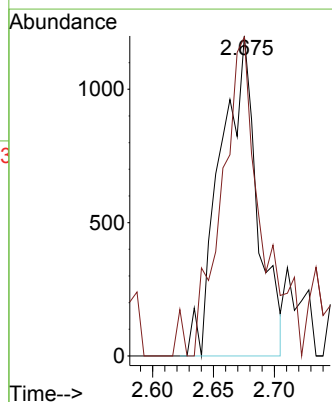
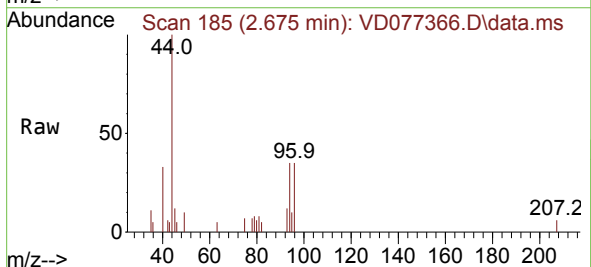
Instrument :
MSVOA_D
ClientSampleId :

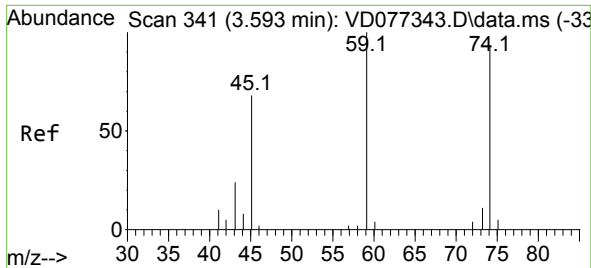
Tgt Ion:168 Resp: 119394
Ion Ratio Lower Upper
168 100
99 50.0 36.7 55.1



#5
Bromomethane
Concen: 1.477 ug/l
RT: 2.675 min Scan# 185
Delta R.T. -0.024 min
Lab File: VD077366.D
Acq: 20 Oct 2023 16:02

Tgt Ion: 94 Resp: 2534
Ion Ratio Lower Upper
94 100
96 105.4 75.8 113.8





#8

Diethyl Ether

Concen: 1.245 ug/l

RT: 3.587 min Scan# 341

Delta R.T. -0.006 min

Lab File: VD077366.D

Acq: 20 Oct 2023 16:02

Instrument :

MSVOA_D

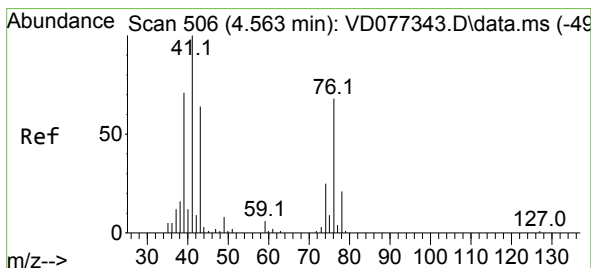
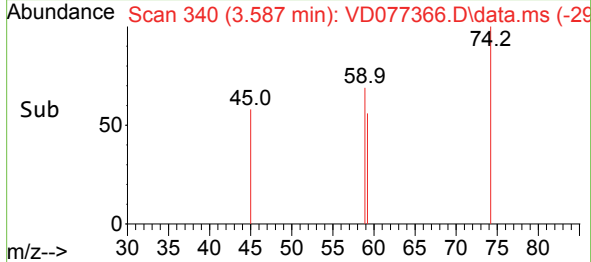
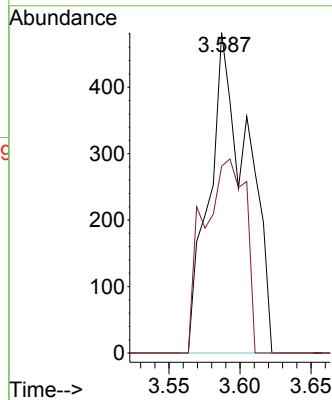
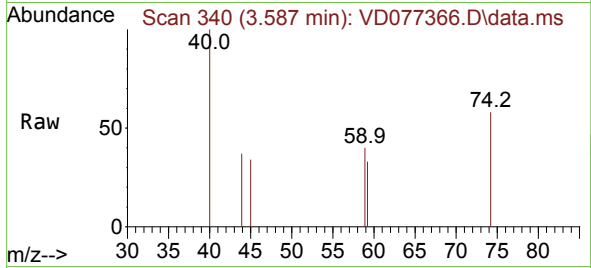
ClientSampleId :

Tgt Ion: 74 Resp: 904

Ion Ratio Lower Upper

74 100

45 66.3 37.5 112.7



#18

Methyl Acetate

Concen: 15.145 ug/l

RT: 4.563 min Scan# 506

Delta R.T. 0.000 min

Lab File: VD077366.D

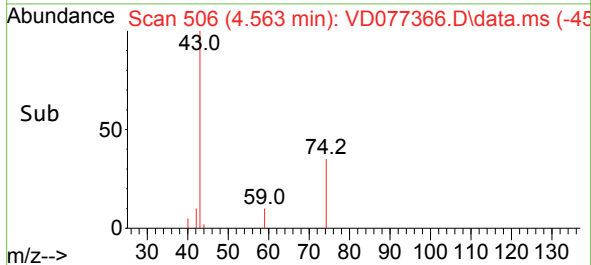
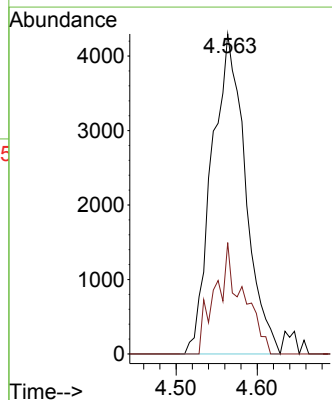
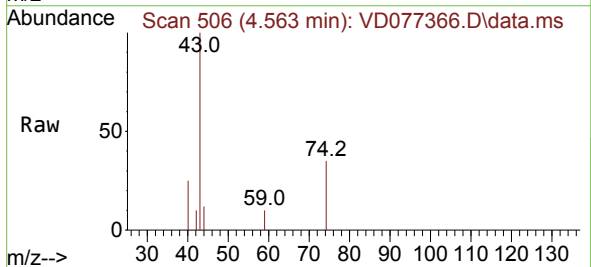
Acq: 20 Oct 2023 16:02

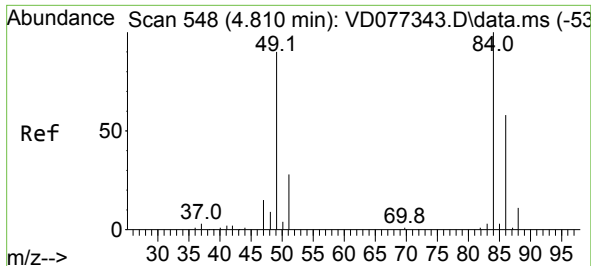
Tgt Ion: 43 Resp: 12323

Ion Ratio Lower Upper

43 100

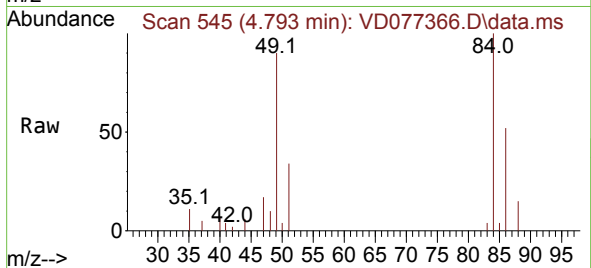
74 28.8 26.4 39.6





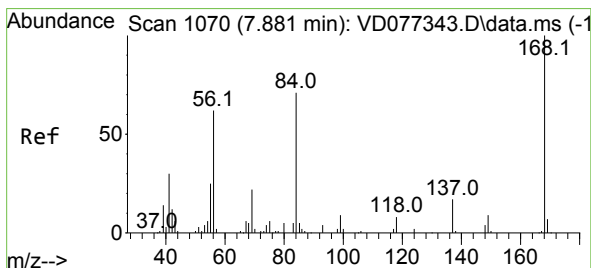
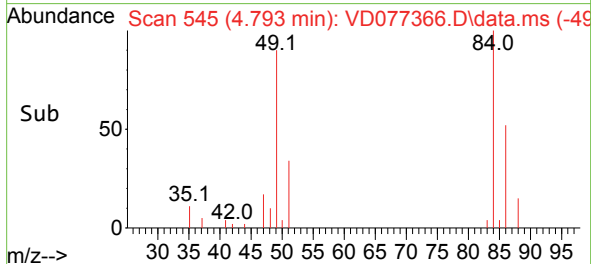
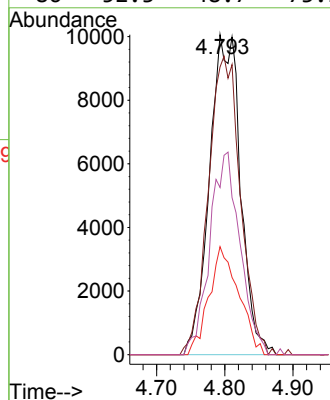
#20
Methylene Chloride
Concen: 19.621 ug/l
RT: 4.793 min Scan# 54
Delta R.T. -0.017 min
Lab File: VD077366.D
Acq: 20 Oct 2023 16:02

Instrument :
MSVOA_D
ClientSampleId :



Tgt Ion: 84 Resp: 31865

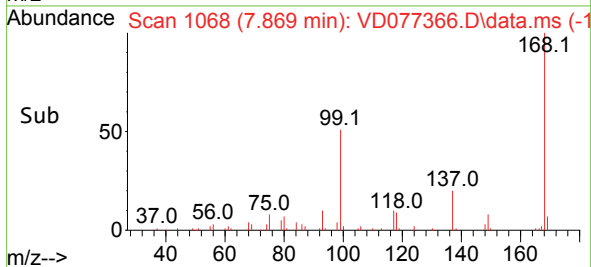
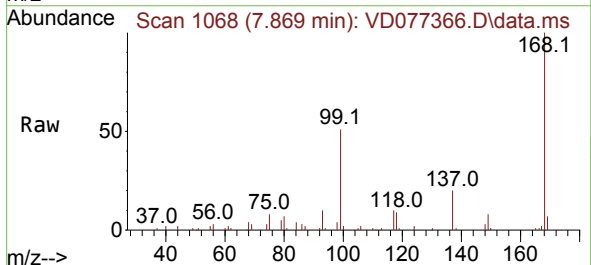
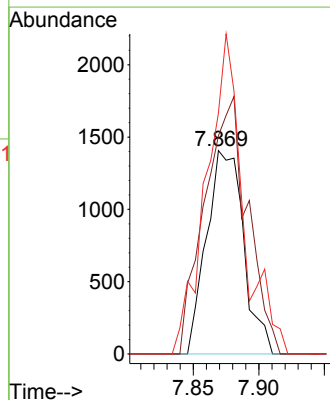
Ion	Ratio	Lower	Upper
84	100		
49	89.9	71.4	107.2
51	33.8	24.5	36.7
86	52.3	48.7	73.1

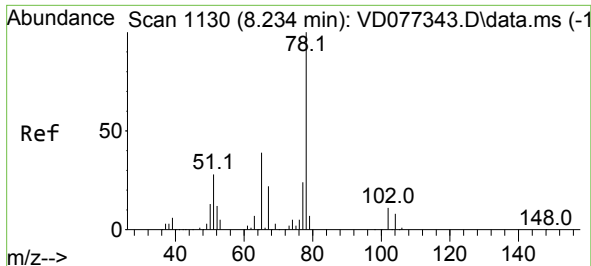


#31
Cyclohexane
Concen: 1.663 ug/l
RT: 7.869 min Scan# 1068
Delta R.T. -0.012 min
Lab File: VD077366.D
Acq: 20 Oct 2023 16:02

Tgt Ion: 56 Resp: 2758

Ion	Ratio	Lower	Upper
56	100		
69	107.2	28.6	43.0#
84	106.0	84.8	127.2





#33

1,2-Dichloroethane-d4

Concen: 60.287 ug/l

RT: 8.228 min Scan# 1129

Delta R.T. -0.006 min

Lab File: VD077366.D

Acq: 20 Oct 2023 16:02

Instrument :

MSVOA_D

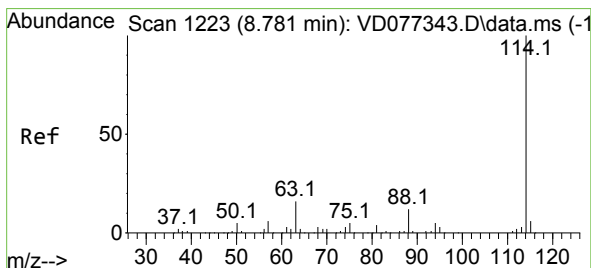
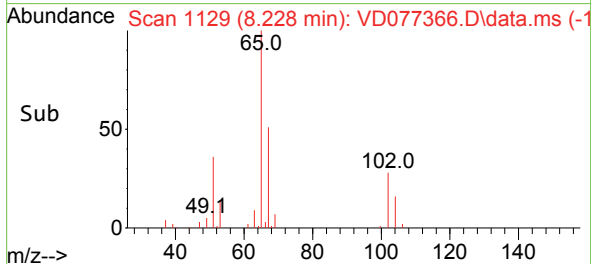
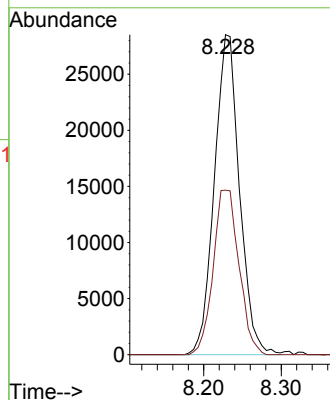
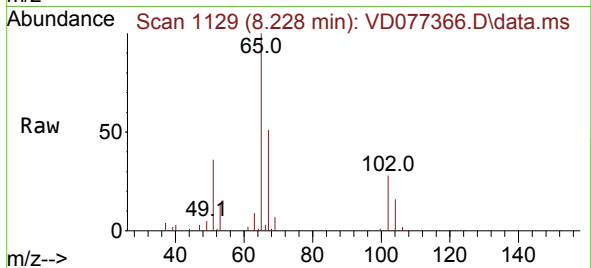
ClientSampleId :

Tgt Ion: 65 Resp: 64273

Ion Ratio Lower Upper

65 100

67 52.7 0.0 115.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.775 min Scan# 1222

Delta R.T. -0.006 min

Lab File: VD077366.D

Acq: 20 Oct 2023 16:02

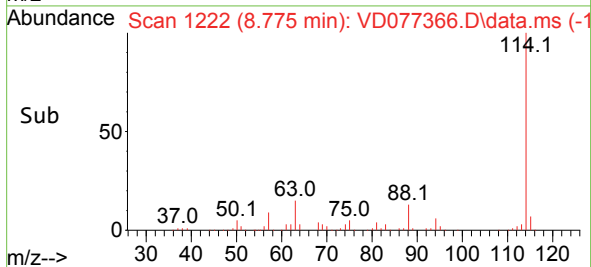
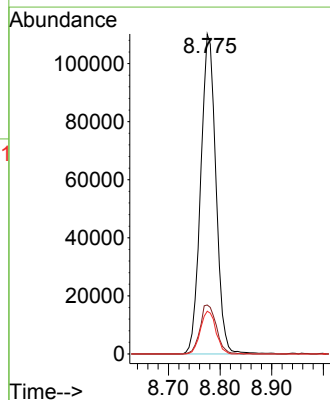
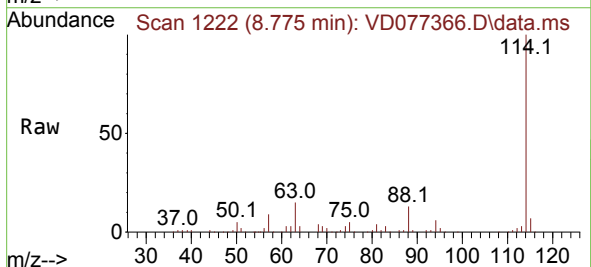
Tgt Ion: 114 Resp: 225370

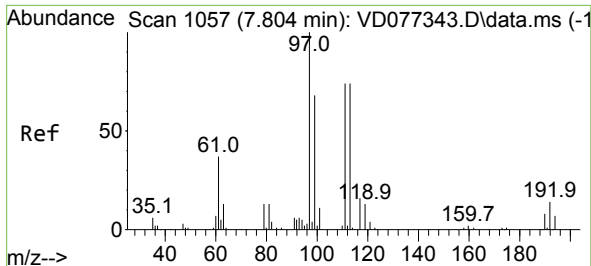
Ion Ratio Lower Upper

114 100

63 15.3 0.0 33.4

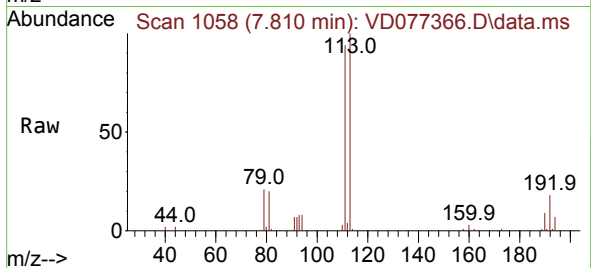
88 13.4 0.0 26.2



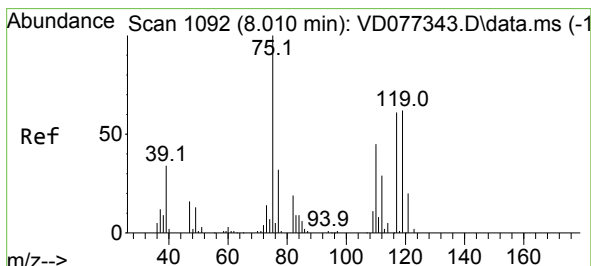
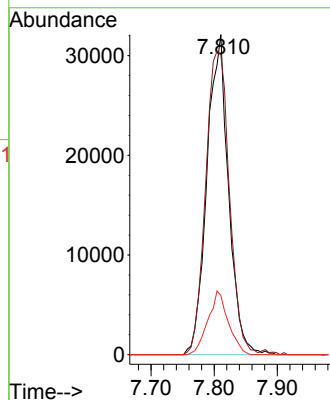
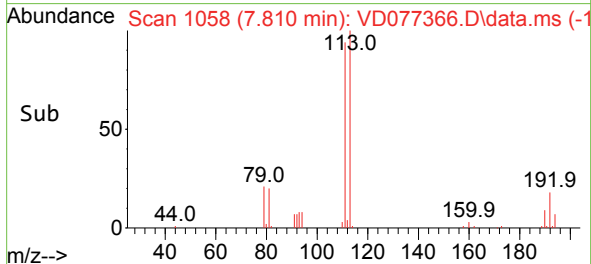


#35
Dibromofluoromethane
Concen: 48.120 ug/l
RT: 7.810 min Scan# 1058
Delta R.T. 0.006 min
Lab File: VD077366.D
Acq: 20 Oct 2023 16:02

Instrument :
MSVOA_D
ClientSampleId :

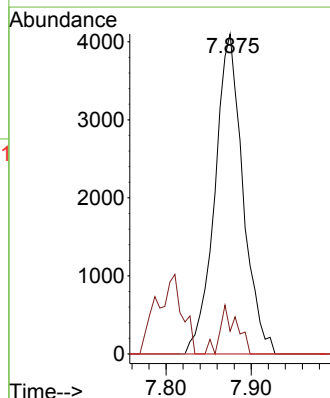
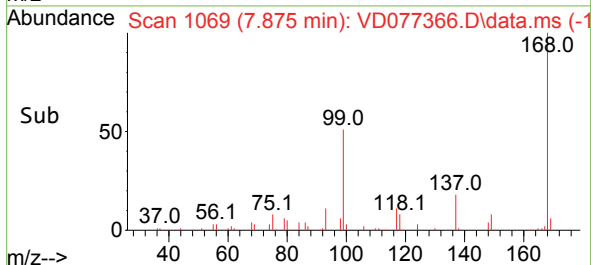
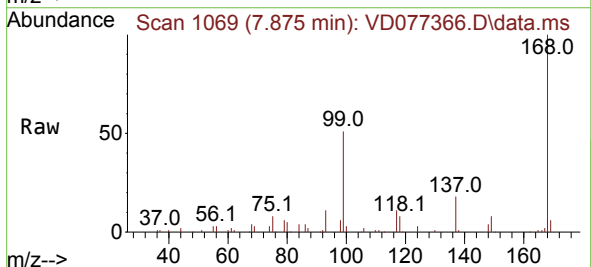


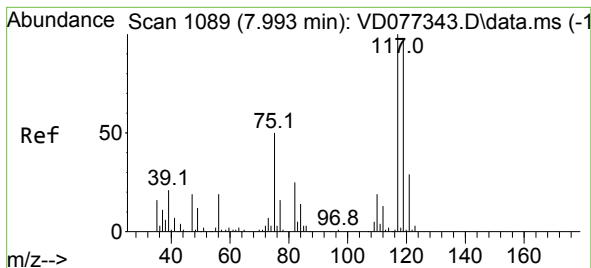
Tgt Ion:113 Resp: 76190
Ion Ratio Lower Upper
113 100
111 104.2 84.7 127.1
192 18.8 16.8 25.2



#36
1,1-Dichloropropene
Concen: 4.521 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.135 min
Lab File: VD077366.D
Acq: 20 Oct 2023 16:02

Tgt Ion: 75 Resp: 9405
Ion Ratio Lower Upper
75 100
110 9.1 19.9 59.6#
77 0.0 24.7 37.1#





#38

Carbon Tetrachloride

Concen: 5.181 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.118 min

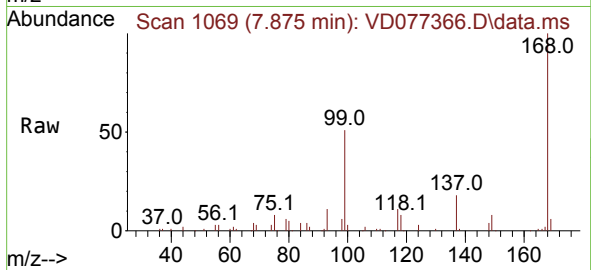
Lab File: VD077366.D

Acq: 20 Oct 2023 16:02

Instrument :

MSVOA_D

ClientSampleId :



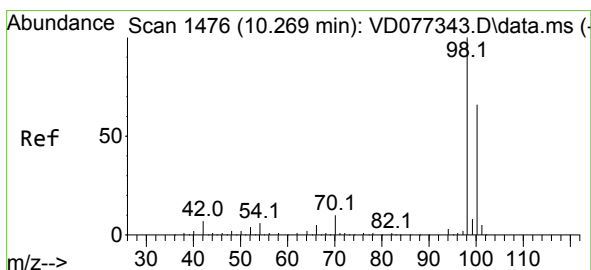
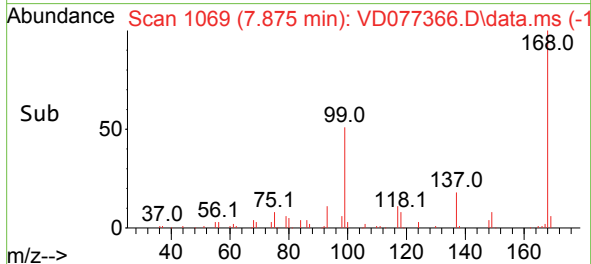
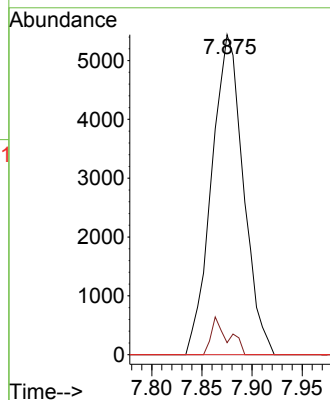
Tgt Ion:117 Resp: 11991

Ion Ratio Lower Upper

117 100

119 3.8 78.0 117.0#

121 0.0 24.2 36.2#



#50

Toluene-d8

Concen: 41.618 ug/l

RT: 10.269 min Scan# 1476

Delta R.T. 0.000 min

Lab File: VD077366.D

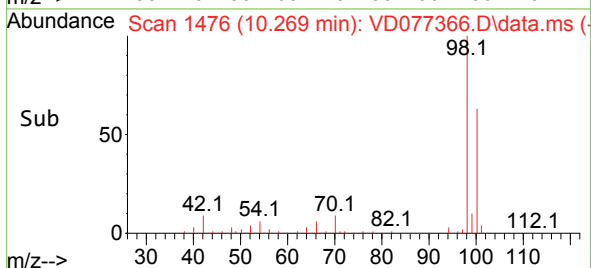
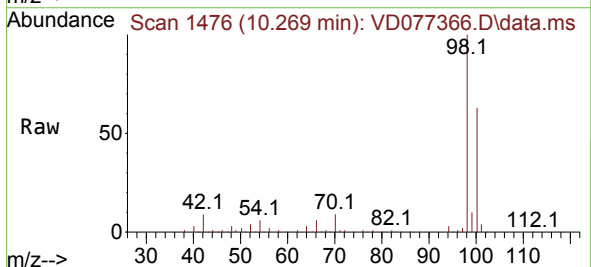
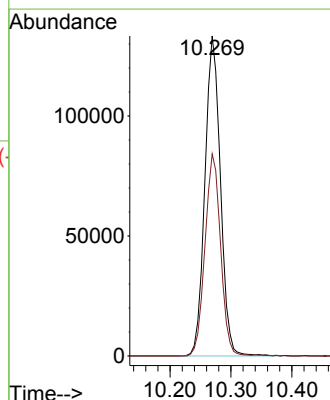
Acq: 20 Oct 2023 16:02

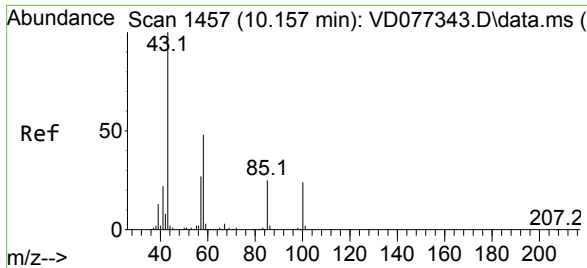
Tgt Ion: 98 Resp: 235990

Ion Ratio Lower Upper

98 100

100 63.3 50.3 75.5

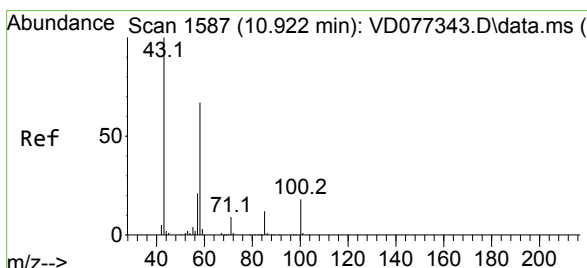
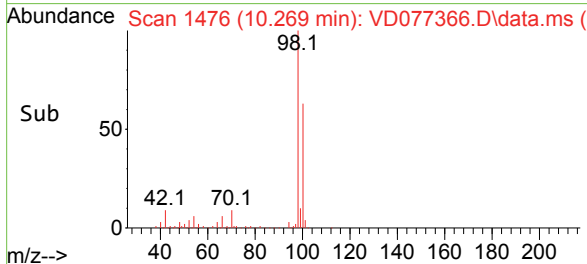
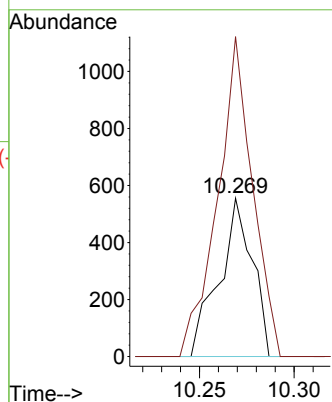
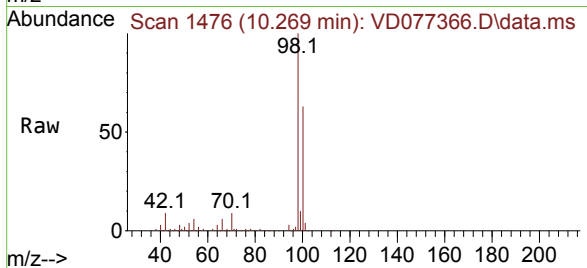




#51
4-Methyl-2-Pentanone
Concen: 1.151 ug/l
RT: 10.269 min Scan# 1457
Delta R.T. 0.112 min
Lab File: VD077366.D
Acq: 20 Oct 2023 16:02

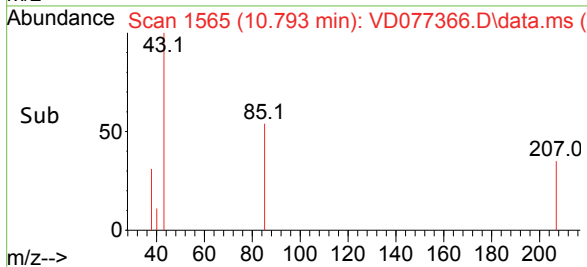
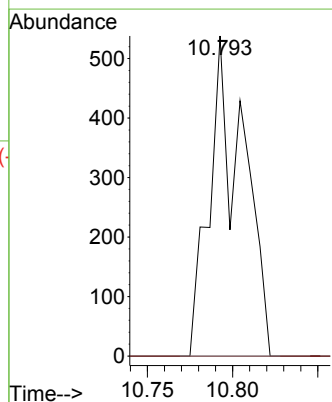
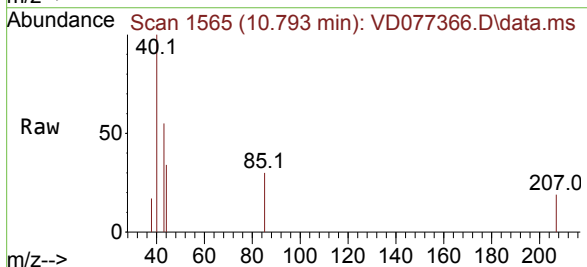
Instrument :
MSVOA_D
ClientSampleId :

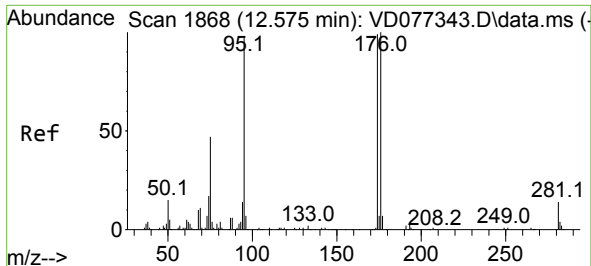
Tgt Ion: 43 Resp: 679
Ion Ratio Lower Upper
43 100
58 211.9 38.9 58.3#



#59
2-Hexanone
Concen: 1.754 ug/l
RT: 10.793 min Scan# 1565
Delta R.T. -0.129 min
Lab File: VD077366.D
Acq: 20 Oct 2023 16:02

Tgt Ion: 43 Resp: 743
Ion Ratio Lower Upper
43 100
58 0.0 34.1 102.2#

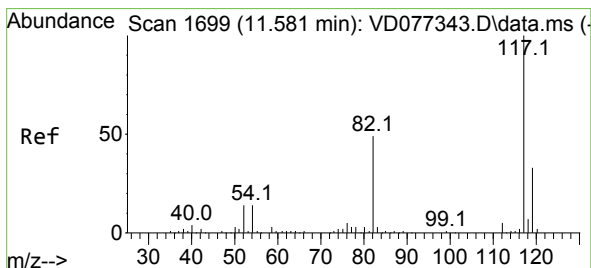
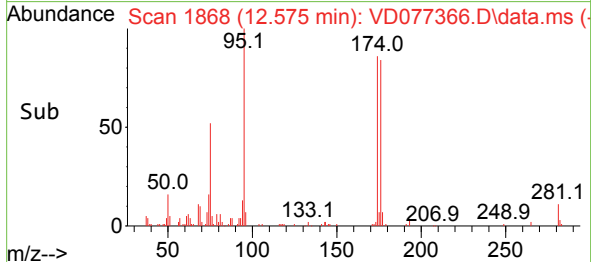
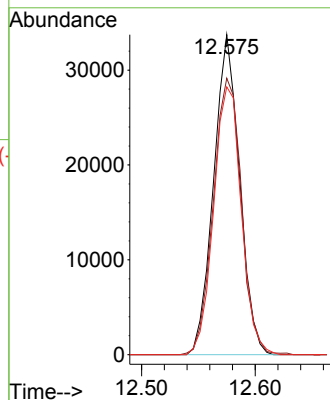
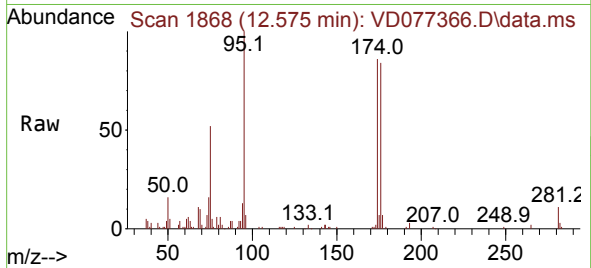




#62
4-Bromofluorobenzene
Concen: 32.787 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD077366.D
Acq: 20 Oct 2023 16:02

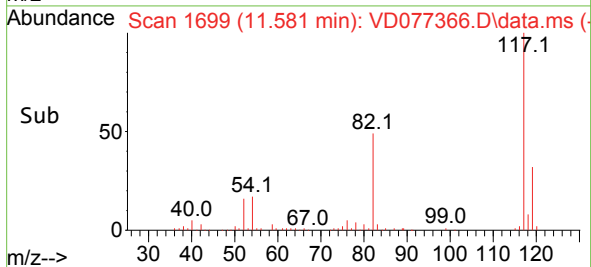
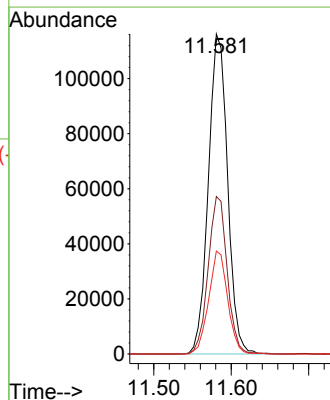
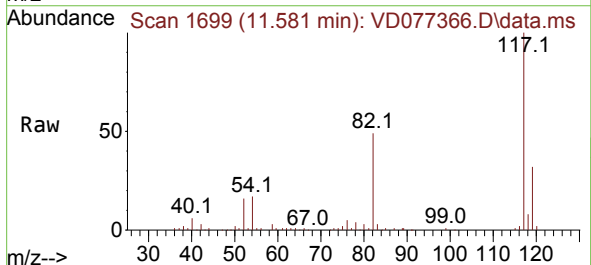
Instrument :
MSVOA_D
ClientSampleId :

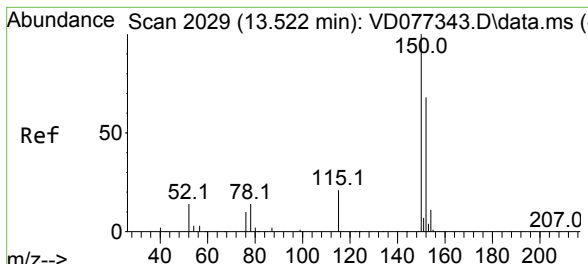
Tgt Ion: 95 Resp: 53517
Ion Ratio Lower Upper
95 100
174 93.7 0.0 201.8
176 89.2 0.0 191.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. -0.000 min
Lab File: VD077366.D
Acq: 20 Oct 2023 16:02

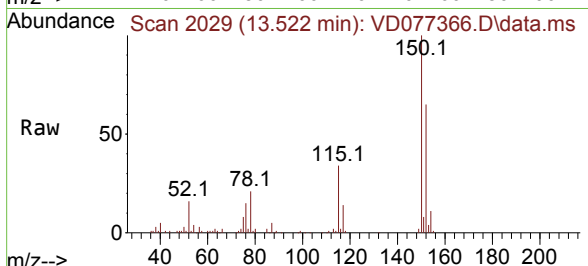
Tgt Ion: 117 Resp: 199961
Ion Ratio Lower Upper
117 100
82 49.2 38.3 57.5
119 32.1 25.0 37.4



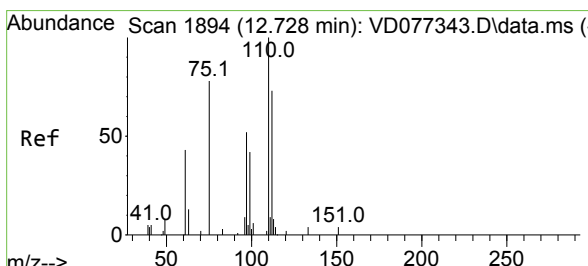
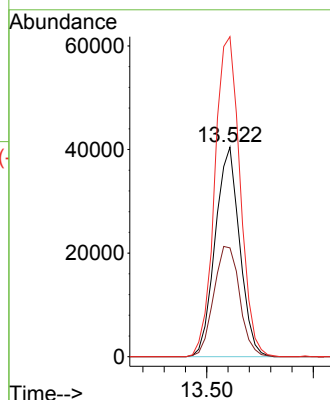
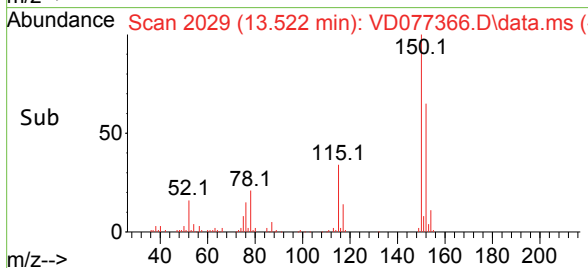


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.522 min Scan# 20
 Delta R.T. 0.000 min
 Lab File: VD077366.D
 Acq: 20 Oct 2023 16:02

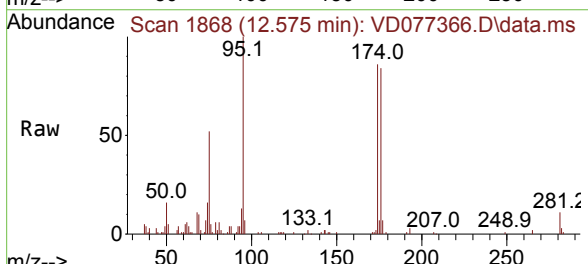
Instrument :
 MSVOA_D
 ClientSampleId :



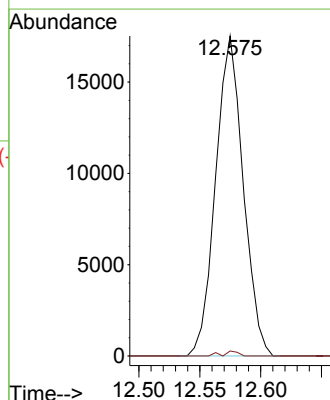
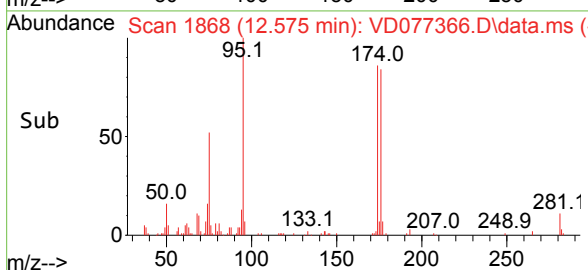
Tgt Ion:152 Resp: 64489
 Ion Ratio Lower Upper
 152 100
 115 55.8 27.1 81.3
 150 157.9 0.0 353.6

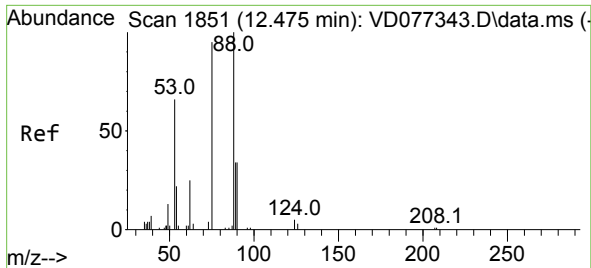


#76
 1,2,3-Trichloropropane
 Concen: 32.569 ug/l
 RT: 12.575 min Scan# 1868
 Delta R.T. -0.153 min
 Lab File: VD077366.D
 Acq: 20 Oct 2023 16:02



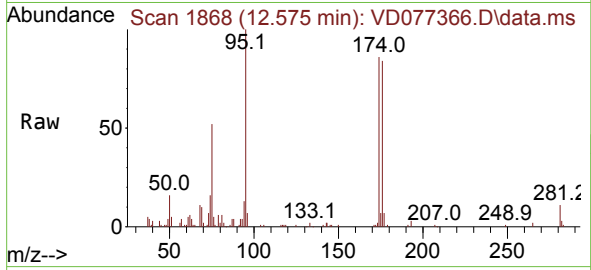
Tgt Ion: 75 Resp: 27629
 Ion Ratio Lower Upper
 75 100
 77 0.8 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 114.799 ug/l
 RT: 12.575 min Scan# 11
 Delta R.T. 0.100 min
 Lab File: VD077366.D
 Acq: 20 Oct 2023 16:02

Instrument :
 MSVOA_D
 ClientSampleId :



Tgt Ion:	75	Resp:	27629
Ion	Ratio	Lower	Upper
75	100		
53	0.0	63.0	94.4#
89	0.0	37.9	56.9#

