

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX103024\
 Data File : VX043626.D
 Acq On : 30 Oct 2024 15:57
 Operator : JC/MD
 Sample : PB164501ZHE#04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB164501ZHE#04

Quant Time: Oct 31 23:00:30 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
 Quant Title : SW846 8260
 QLast Update : Mon Oct 28 13:41:34 2024
 Response via : Initial Calibration

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

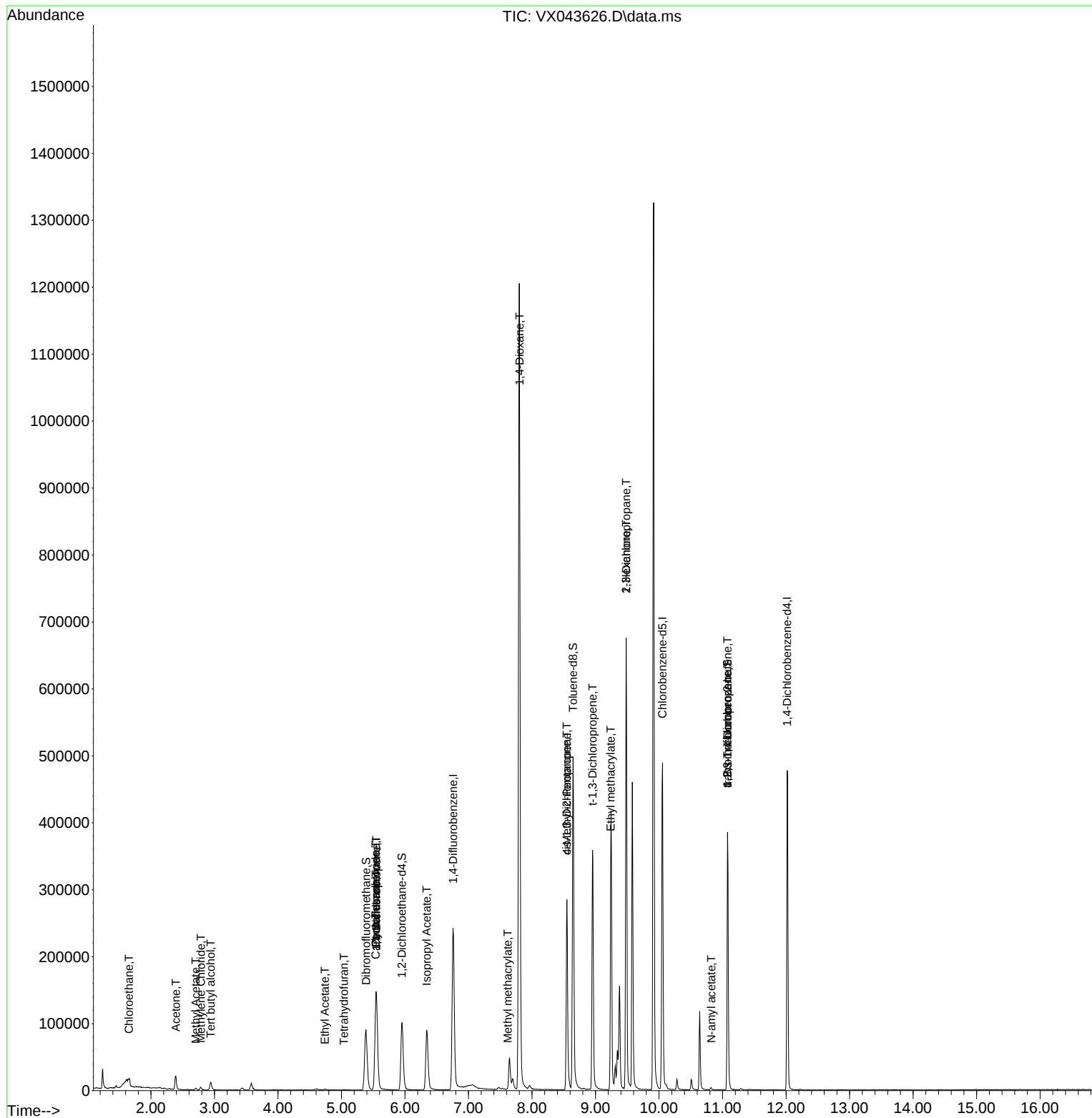
Internal Standards						
1) Pentafluorobenzene	5.544	168	145264	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	269046	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	231444	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	104440	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	96186	41.526	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	83.060%
35) Dibromofluoromethane	5.385	113	81224	44.521	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	89.040%
50) Toluene-d8	8.647	98	309991	49.085	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	98.180%
62) 4-Bromofluorobenzene	11.079	95	107600	45.980	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	91.960%
Target Compounds						
					Qvalue	
6) Chloroethane	1.654	64	131	0.202	ug/l #	58
11) Tert butyl alcohol	2.941	59	6559	15.171	ug/l #	100
16) Acetone	2.392	43	22969	24.972	ug/l	97
18) Methyl Acetate	2.703	43	3580	1.332	ug/l	98
20) Methylene Chloride	2.788	84	2047	1.033	ug/l #	80
29) Tetrahydrofuran	5.038	42	667	0.765	ug/l #	32
31) Cyclohexane	5.544	56	2768	1.132	ug/l #	1
36) 1,1-Dichloropropene	5.550	75	10406	4.810	ug/l #	51
37) Ethyl Acetate	4.739	43	1066	0.406	ug/l #	95
38) Carbon Tetrachloride	5.538	117	14722	6.159	ug/l #	16
43) Isopropyl Acetate	6.342	43	126547	29.136	ug/l	98
48) Methyl methacrylate	7.617	41	3535	1.717	ug/l #	13
49) 1,4-Dioxane	7.806	88	164	3.876	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	95892	36.223	ug/l #	50
53) t-1,3-Dichloropropene	8.952	75	1020	0.396	ug/l #	42
54) cis-1,3-Dichloropropene	8.549	75	50730	18.468	ug/l #	57
56) Ethyl methacrylate	9.238	69	1145	0.387	ug/l #	1
57) 1,3-Dichloropropane	9.482	76	6239	2.059	ug/l #	42
59) 2-Hexanone	9.482	43	77451	38.521	ug/l #	52
74) N-amyl acetate	10.823	43	931	0.258	ug/l #	44
76) 1,2,3-Trichloropropane	11.079	75	51832	23.211	ug/l #	33
81) trans-1,4-Dichloro-2-b...	11.079	75	51832	63.855	ug/l #	7

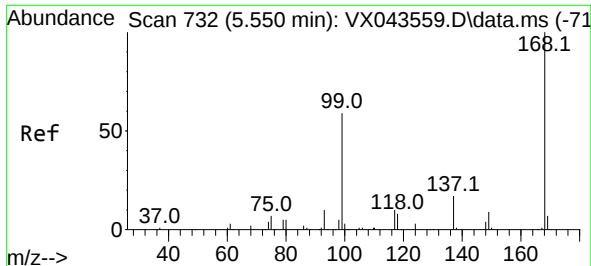
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX103024\
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ALS Vial : 1 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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Quant Time: Oct 31 23:00:30 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 28 13:41:34 2024
Response via : Initial Calibration

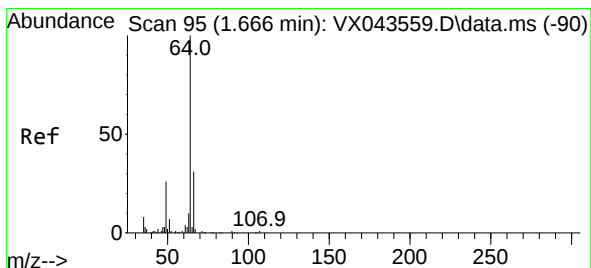
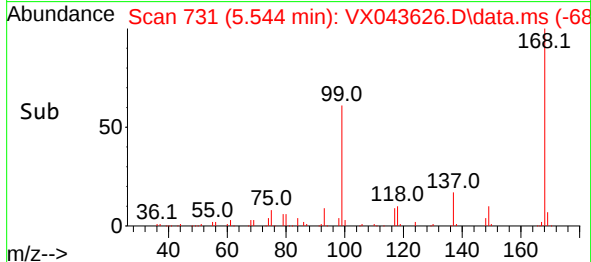
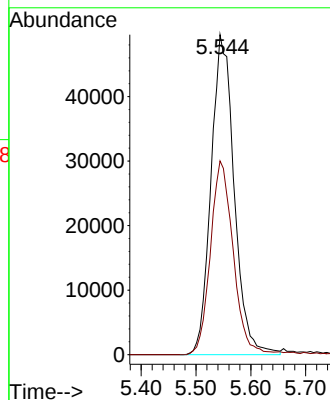
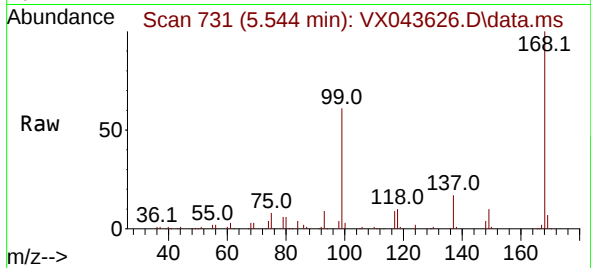




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX043626.D
Acq: 30 Oct 2024 15:57

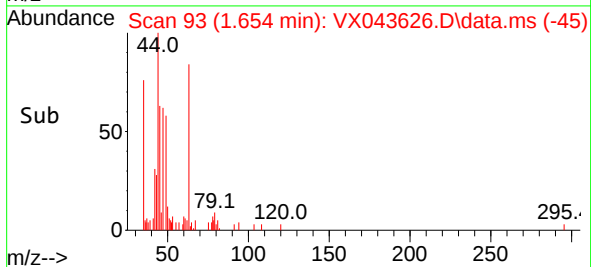
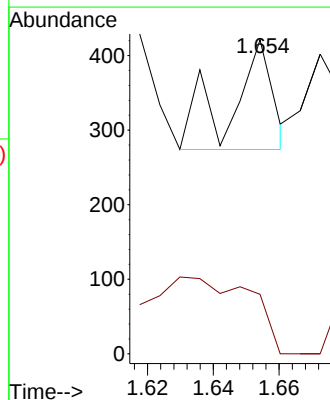
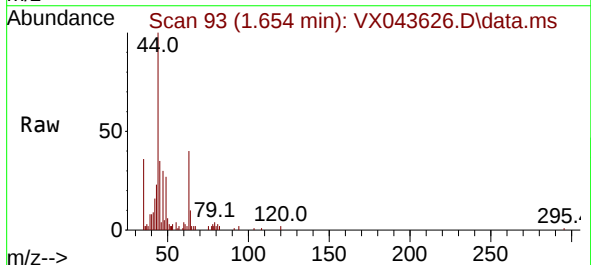
Instrument :
MSVOA_X
ClientSampleId :
PB164501ZHE#04

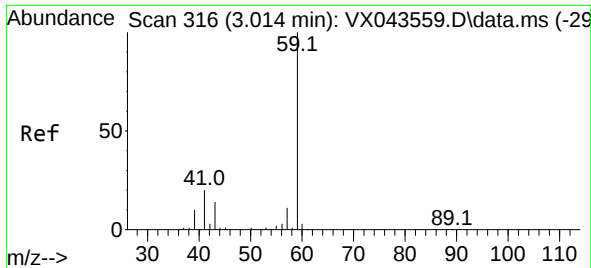
Tgt Ion:168 Resp: 145264
Ion Ratio Lower Upper
168 100
99 60.6 52.6 78.8



#6
Chloroethane
Concen: 0.202 ug/l
RT: 1.654 min Scan# 93
Delta R.T. -0.006 min
Lab File: VX043626.D
Acq: 30 Oct 2024 15:57

Tgt Ion: 64 Resp: 131
Ion Ratio Lower Upper
64 100
66 54.4 25.1 37.7#

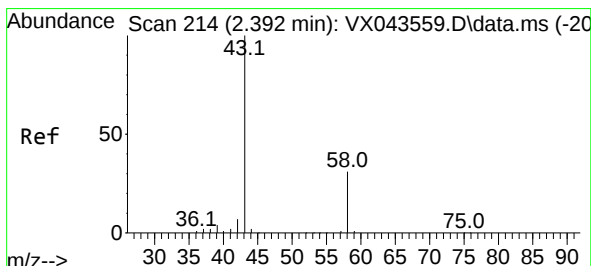
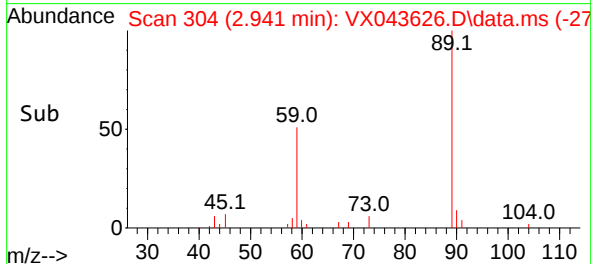
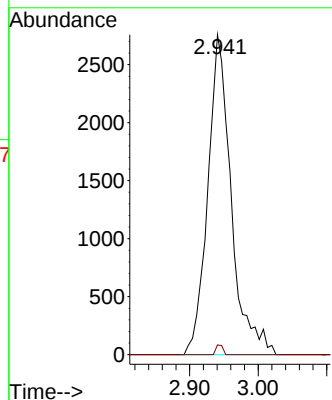
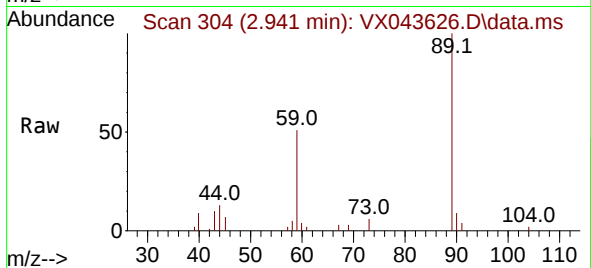




#11
Tert butyl alcohol
Concen: 15.171 ug/l
RT: 2.941 min Scan# 30
Delta R.T. -0.109 min
Lab File: VX043626.D
Acq: 30 Oct 2024 15:57

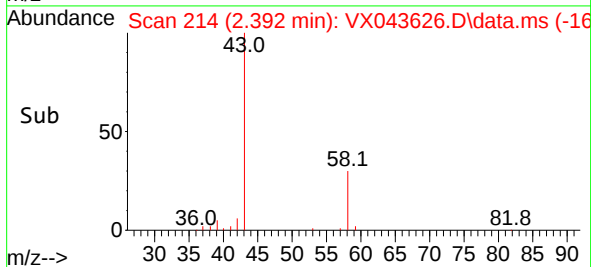
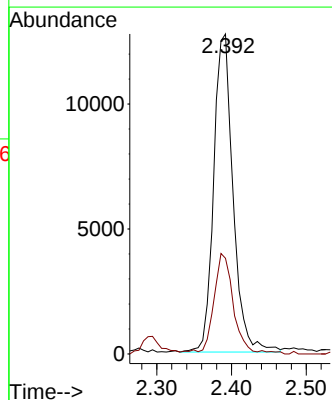
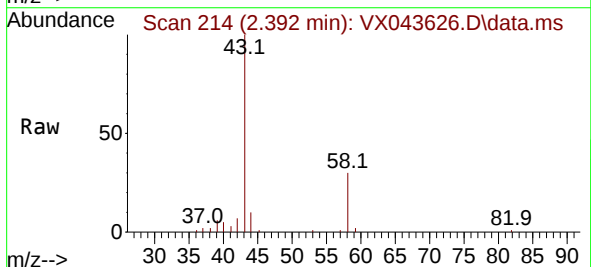
Instrument :
MSVOA_X
ClientSampleId :
PB164501ZHE#04

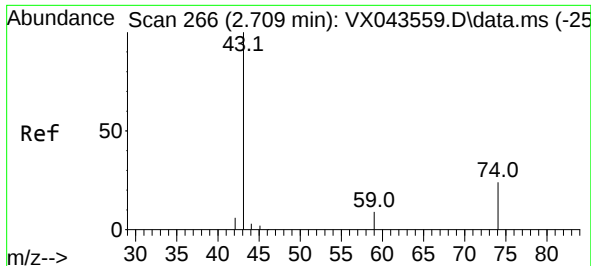
Tgt Ion: 59 Resp: 6559
Ion Ratio Lower Upper
59 100
57 0.9 0.0 0.0#



#16
Acetone
Concen: 24.972 ug/l
RT: 2.392 min Scan# 214
Delta R.T. -0.006 min
Lab File: VX043626.D
Acq: 30 Oct 2024 15:57

Tgt Ion: 43 Resp: 22969
Ion Ratio Lower Upper
43 100
58 29.5 25.1 37.7

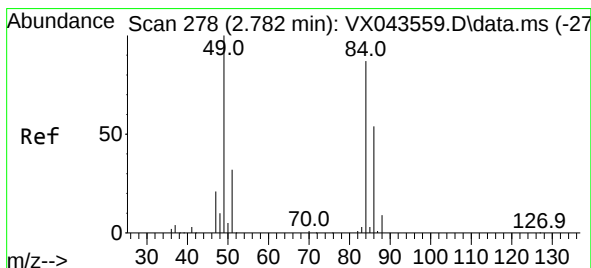
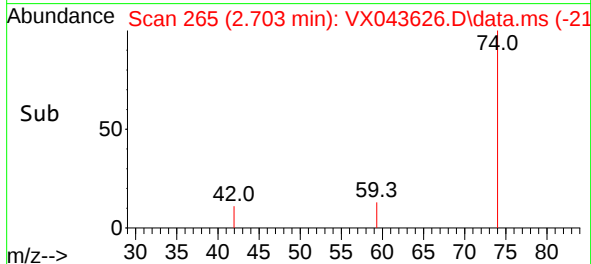
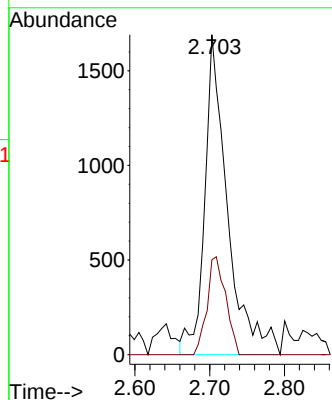
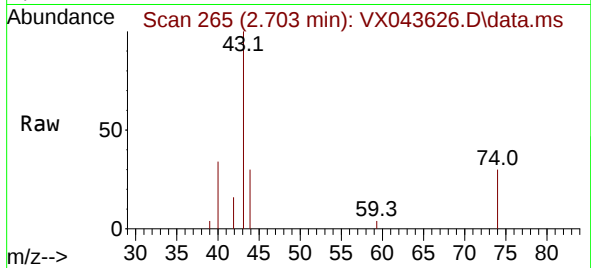




#18
Methyl Acetate
Concen: 1.332 ug/l
RT: 2.703 min Scan# 20
Delta R.T. -0.006 min
Lab File: VX043626.D
Acq: 30 Oct 2024 15:57

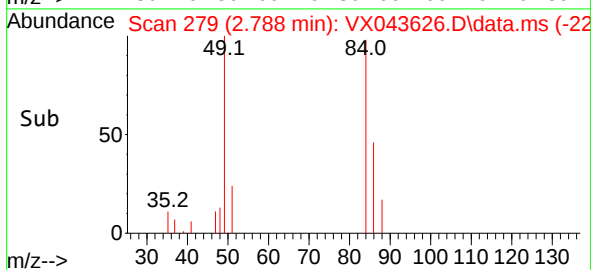
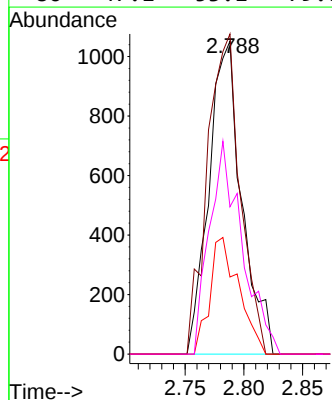
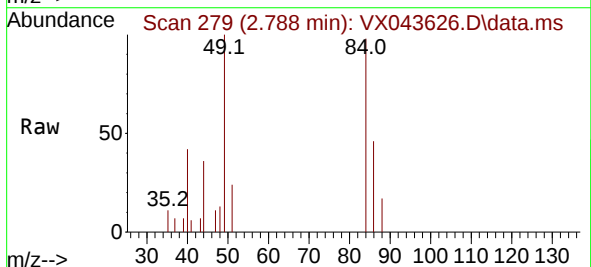
Instrument :
MSVOA_X
ClientSampleId :
PB164501ZHE#04

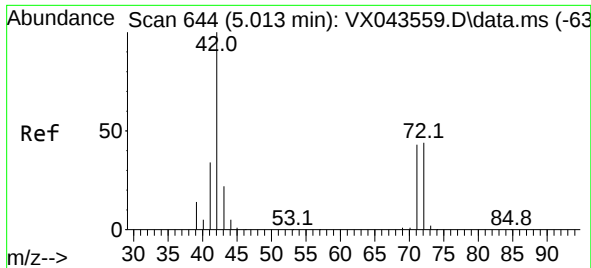
Tgt Ion: 43 Resp: 3580
Ion Ratio Lower Upper
43 100
74 25.1 19.1 28.7



#20
Methylene Chloride
Concen: 1.033 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.006 min
Lab File: VX043626.D
Acq: 30 Oct 2024 15:57

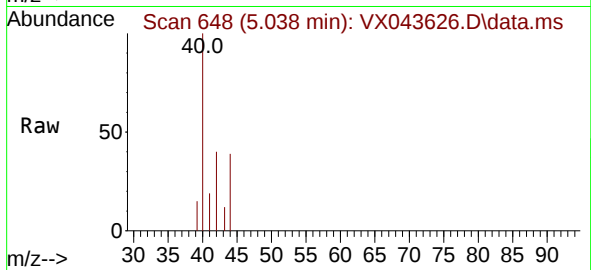
Tgt Ion: 84 Resp: 2047
Ion Ratio Lower Upper
84 100
49 102.3 97.0 145.6
51 24.6 29.8 44.8#
86 47.1 53.1 79.7#



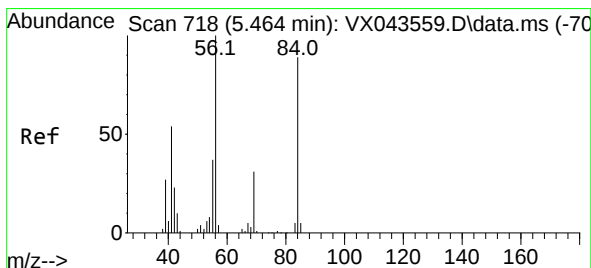
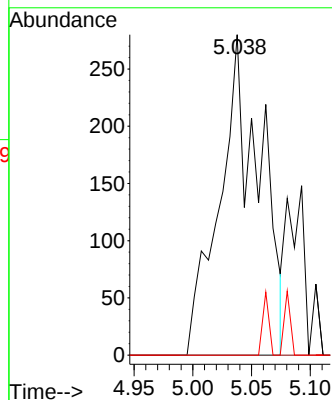


#29
Tetrahydrofuran
Concen: 0.765 ug/l
RT: 5.038 min Scan# 644
Delta R.T. 0.025 min
Lab File: VX043626.D
Acq: 30 Oct 2024 15:57

Instrument :
MSVOA_X
ClientSampleId :
PB164501ZHE#04

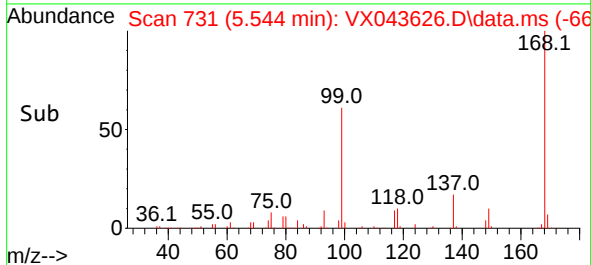
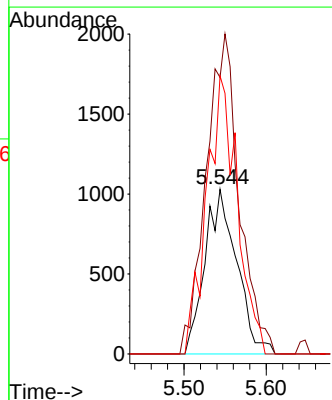
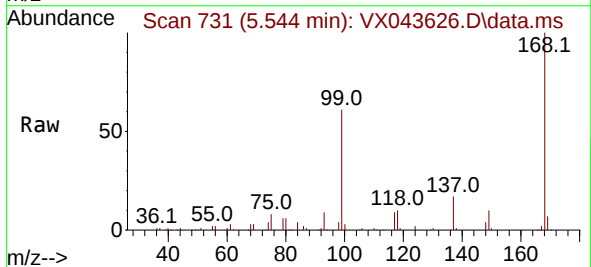


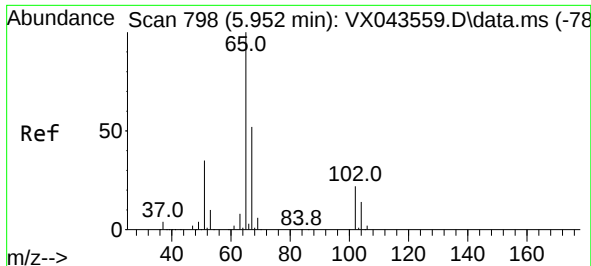
Tgt Ion:	42	Resp:	667
Ion Ratio	Lower	Upper	
42	100		
72	0.0	36.6	55.0#
71	0.0	34.2	51.4#



#31
Cyclohexane
Concen: 1.132 ug/l
RT: 5.544 min Scan# 731
Delta R.T. 0.086 min
Lab File: VX043626.D
Acq: 30 Oct 2024 15:57

Tgt Ion:	56	Resp:	2768
Ion Ratio	Lower	Upper	
56	100		
69	167.9	24.9	37.3#
84	168.8	73.3	109.9#





#33

1,2-Dichloroethane-d4

Concen: 41.526 ug/l

RT: 5.952 min Scan# 798

Delta R.T. 0.000 min

Lab File: VX043626.D

Acq: 30 Oct 2024 15:57

Instrument :

MSVOA_X

ClientSampleId :

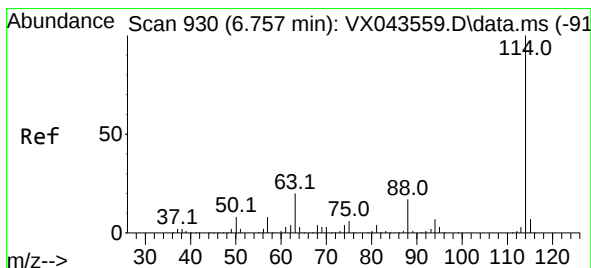
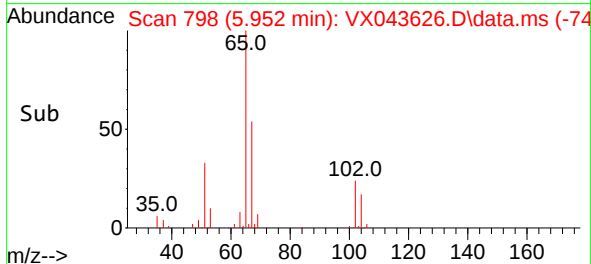
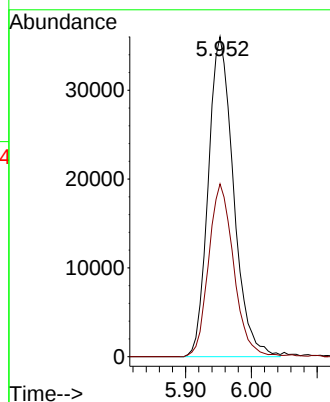
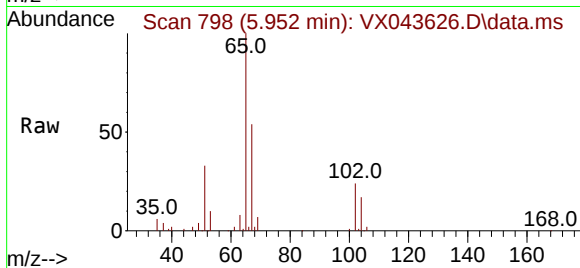
PB164501ZHE#04

Tgt Ion: 65 Resp: 96186

Ion Ratio Lower Upper

65 100

67 53.7 0.0 103.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 930

Delta R.T. 0.000 min

Lab File: VX043626.D

Acq: 30 Oct 2024 15:57

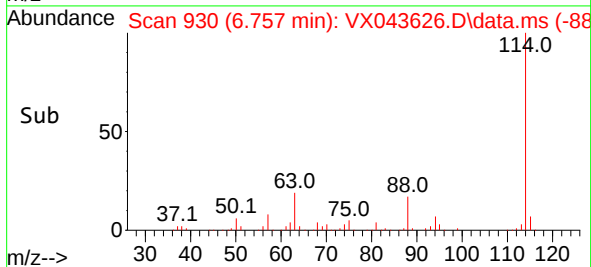
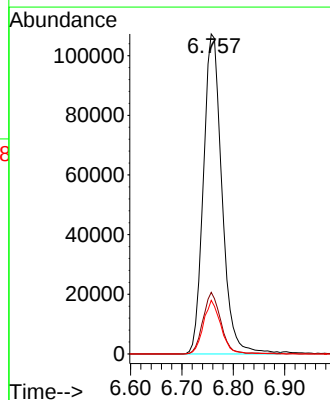
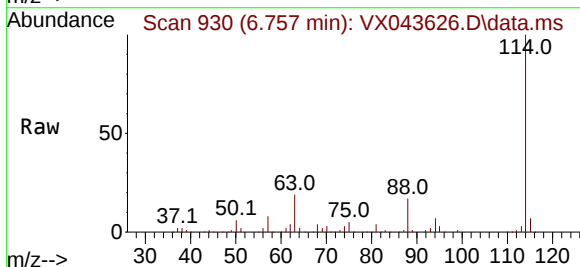
Tgt Ion: 114 Resp: 269046

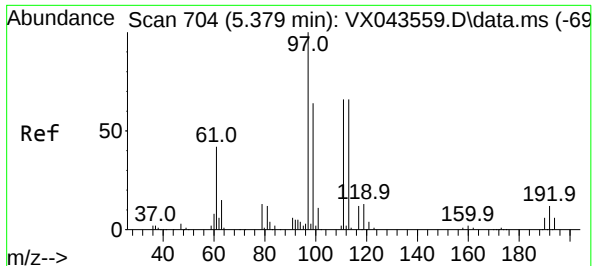
Ion Ratio Lower Upper

114 100

63 19.2 0.0 41.2

88 16.8 0.0 34.0

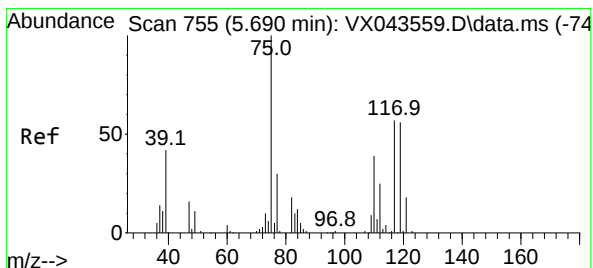
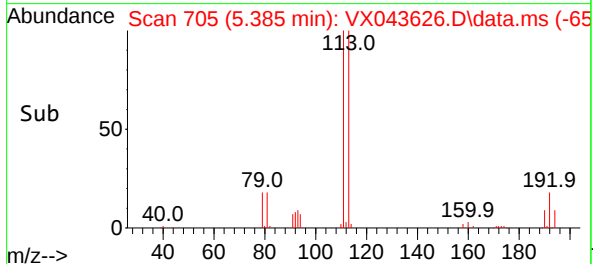
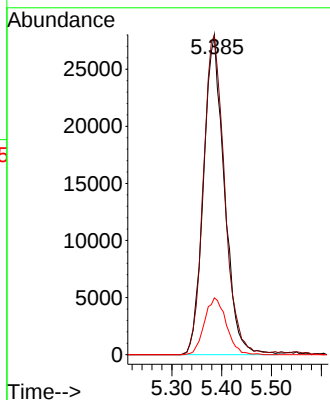
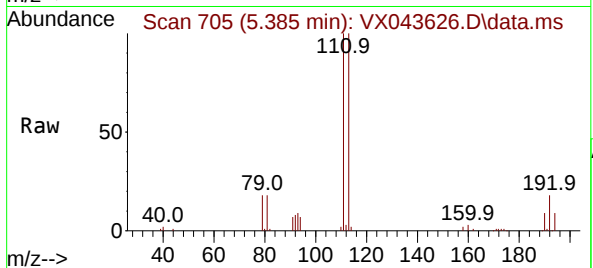




#35
Dibromofluoromethane
Concen: 44.521 ug/l
RT: 5.385 min Scan# 704
Delta R.T. 0.000 min
Lab File: VX043626.D
Acq: 30 Oct 2024 15:57

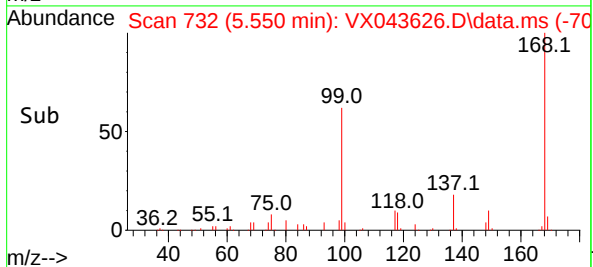
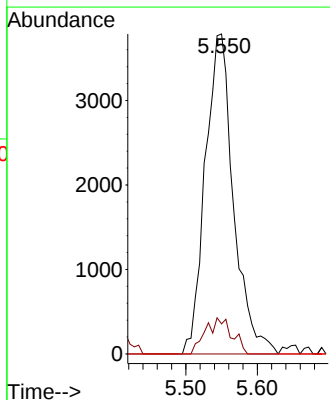
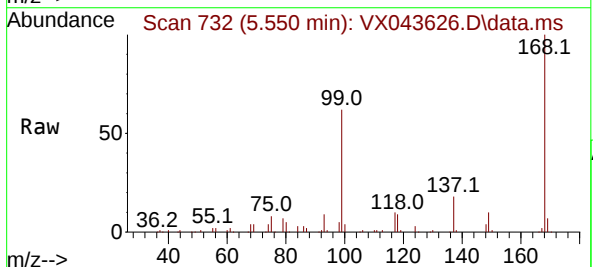
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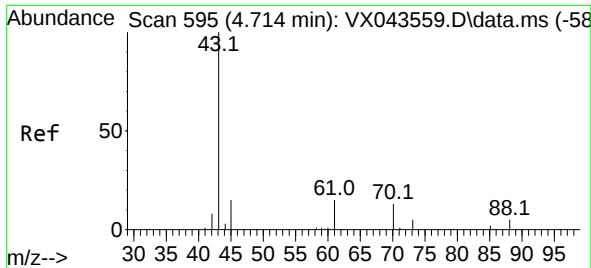
Tgt Ion:113 Resp: 81224
Ion Ratio Lower Upper
113 100
111 101.9 81.4 122.0
192 18.6 14.1 21.1



#36
1,1-Dichloropropene
Concen: 4.810 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.134 min
Lab File: VX043626.D
Acq: 30 Oct 2024 15:57

Tgt Ion: 75 Resp: 10406
Ion Ratio Lower Upper
75 100
110 10.6 17.9 53.7#
77 0.0 25.0 37.4#

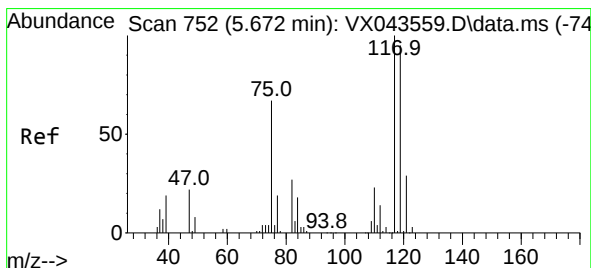
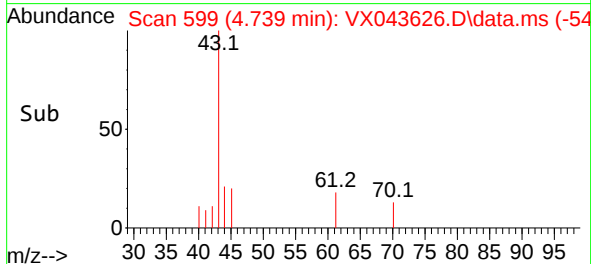
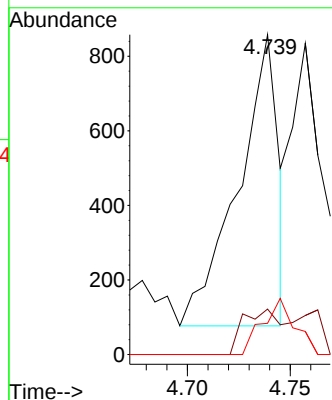
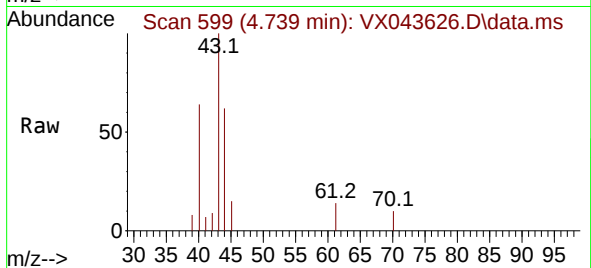




#37
Ethyl Acetate
Concen: 0.406 ug/l
RT: 4.739 min Scan# 51
Delta R.T. 0.018 min
Lab File: VX043626.D
Acq: 30 Oct 2024 15:57

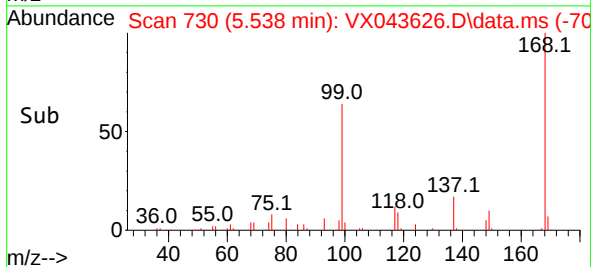
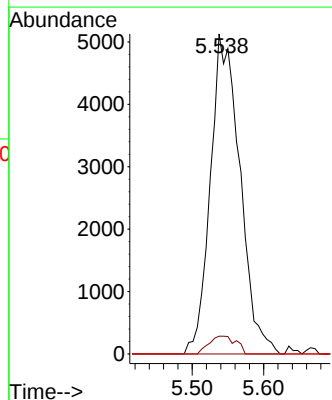
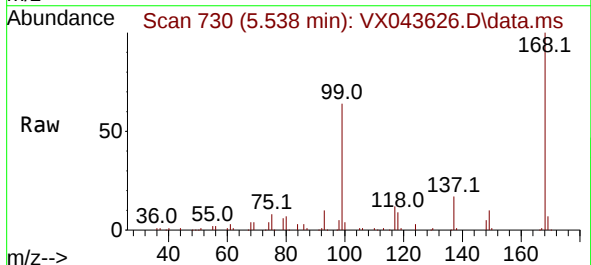
Instrument :
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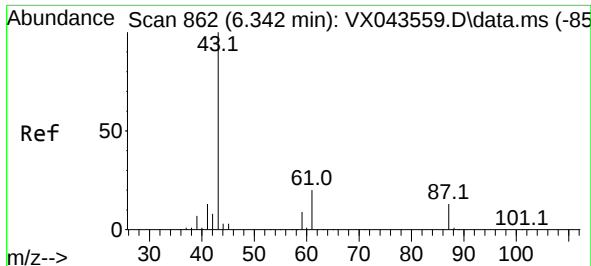
Tgt Ion:	43	Resp:	1066
Ion	Ratio	Lower	Upper
43	100		
61	14.0	11.0	16.6
70	15.5	8.9	13.3



#38
Carbon Tetrachloride
Concen: 6.159 ug/l
RT: 5.538 min Scan# 730
Delta R.T. -0.134 min
Lab File: VX043626.D
Acq: 30 Oct 2024 15:57

Tgt Ion:	117	Resp:	14722
Ion	Ratio	Lower	Upper
117	100		
119	5.5	77.0	115.6
121	0.0	24.7	37.1

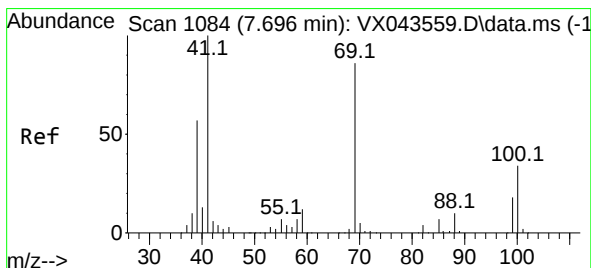
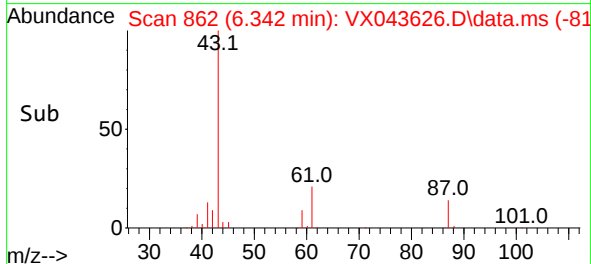
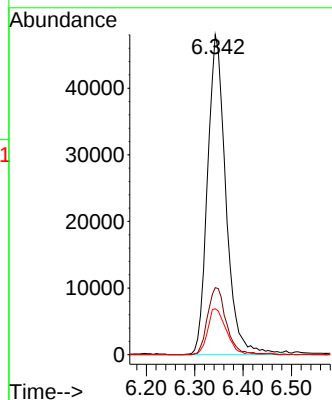
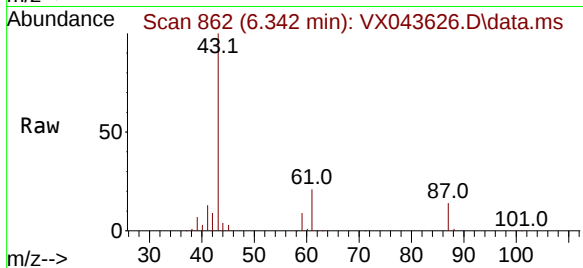




#43
Isopropyl Acetate
Concen: 29.136 ug/l
RT: 6.342 min Scan# 862
Delta R.T. 0.000 min
Lab File: VX043626.D
Acq: 30 Oct 2024 15:57

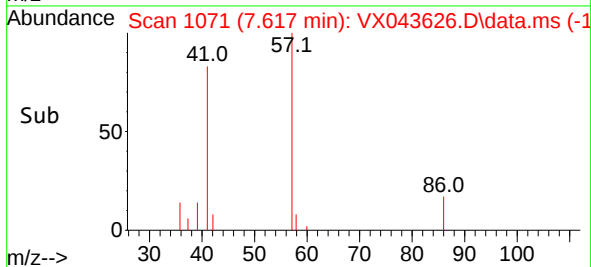
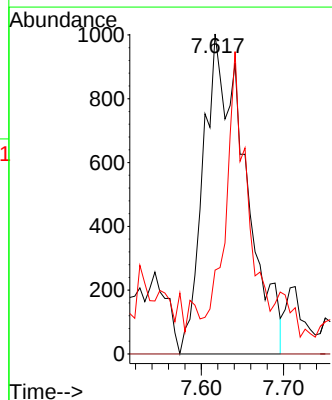
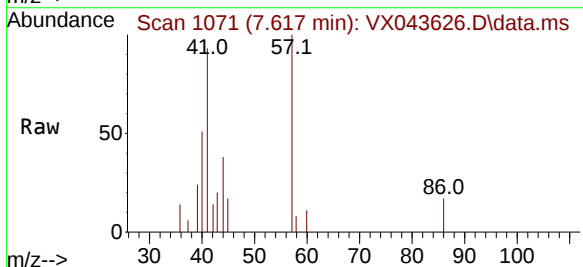
Instrument :
MSVOA_X
ClientSampleId :
PB164501ZHE#04

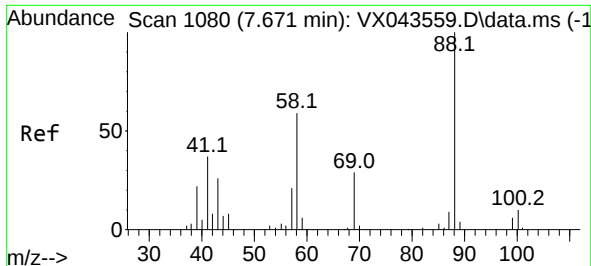
Tgt Ion: 43 Resp: 126547
Ion Ratio Lower Upper
43 100
61 21.3 16.2 24.4
87 14.7 11.0 16.6



#48
Methyl methacrylate
Concen: 1.717 ug/l
RT: 7.617 min Scan# 1071
Delta R.T. -0.079 min
Lab File: VX043626.D
Acq: 30 Oct 2024 15:57

Tgt Ion: 41 Resp: 3535
Ion Ratio Lower Upper
41 100
69 0.0 67.7 101.5#
39 0.0 46.3 69.5#

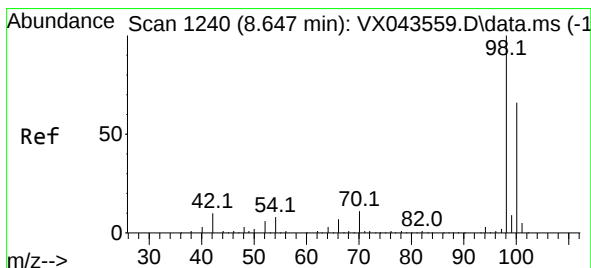
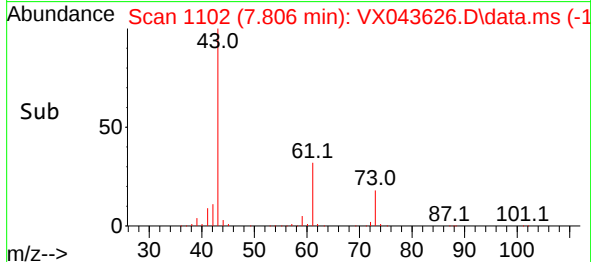
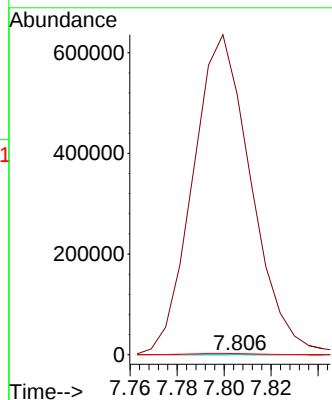
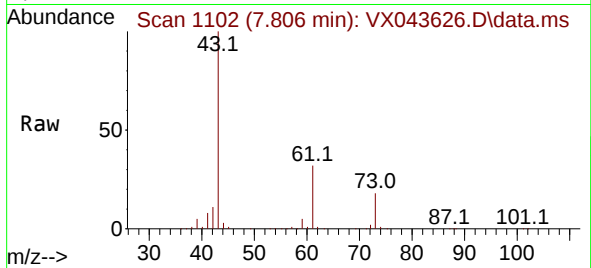




#49
1,4-Dioxane
Concen: 3.876 ug/l
RT: 7.806 min Scan# 1102
Delta R.T. 0.134 min
Lab File: VX043626.D
Acq: 30 Oct 2024 15:57

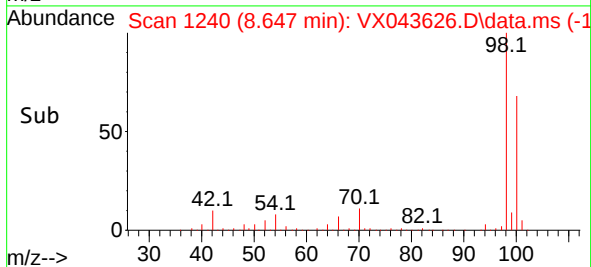
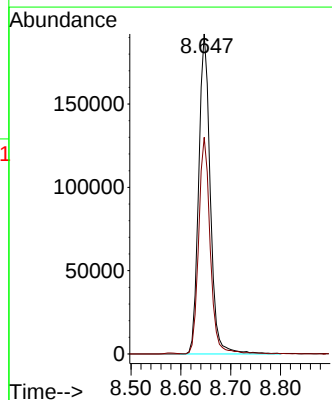
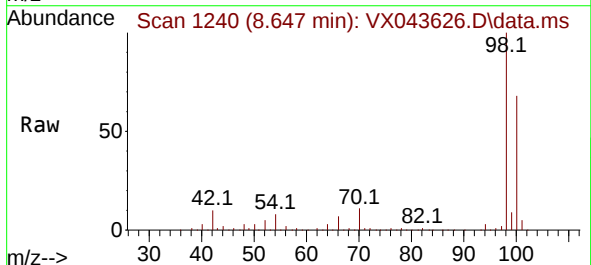
Instrument :
MSVOA_X
ClientSampleId :
PB164501ZHE#04

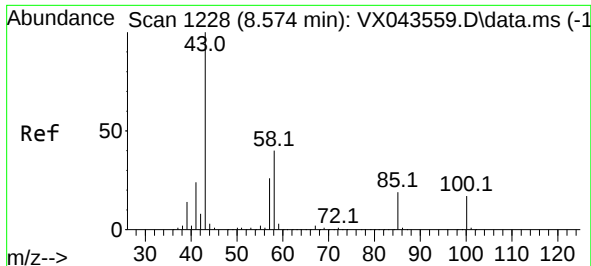
Tgt Ion: 88 Resp: 164
Ion Ratio Lower Upper
88 100
43 681356.1 25.3 37.9#
58 3037.8 53.9 80.9#



#50
Toluene-d8
Concen: 49.085 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX043626.D
Acq: 30 Oct 2024 15:57

Tgt Ion: 98 Resp: 309991
Ion Ratio Lower Upper
98 100
100 67.1 53.4 80.2

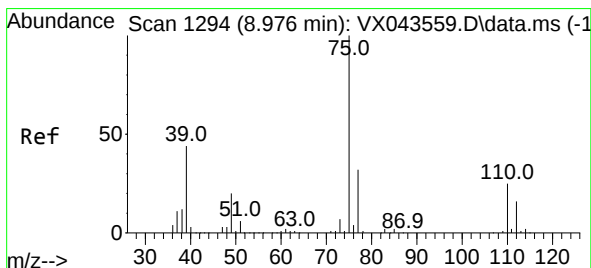
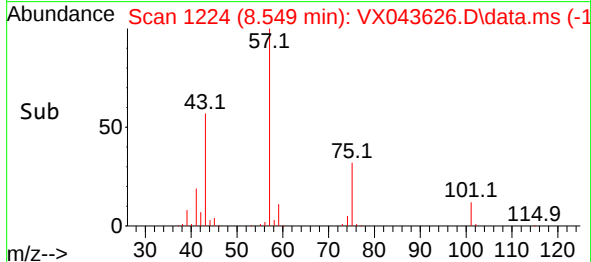
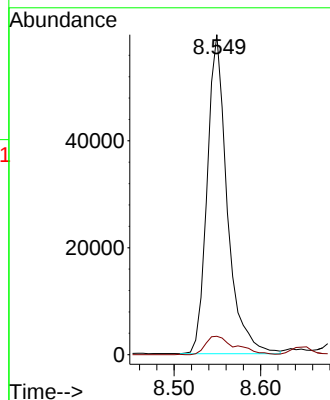
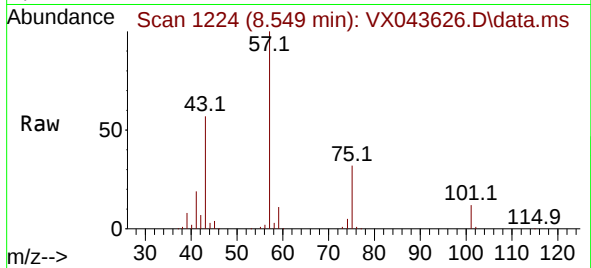




#51
4-Methyl-2-Pentanone
Concen: 36.223 ug/l
RT: 8.549 min Scan# 11
Delta R.T. -0.030 min
Lab File: VX043626.D
Acq: 30 Oct 2024 15:57

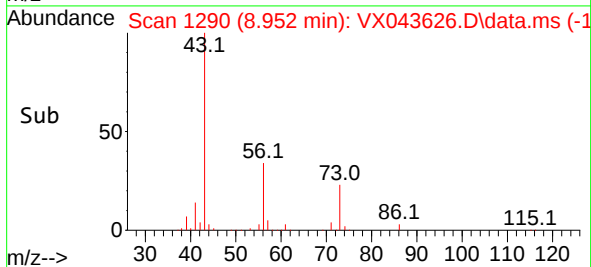
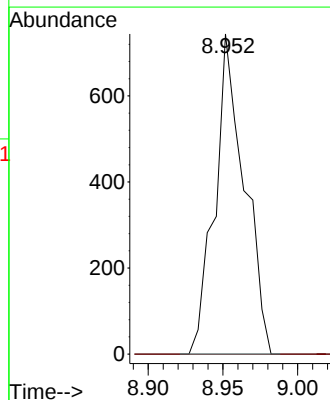
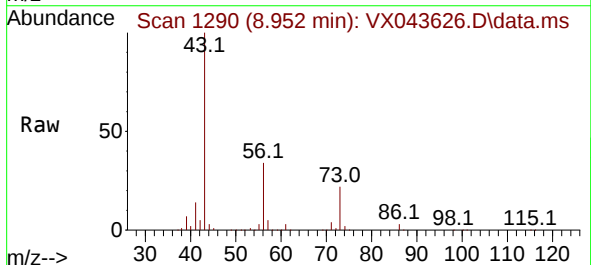
Instrument :
MSVOA_X
ClientSampleId :
PB164501ZHE#04

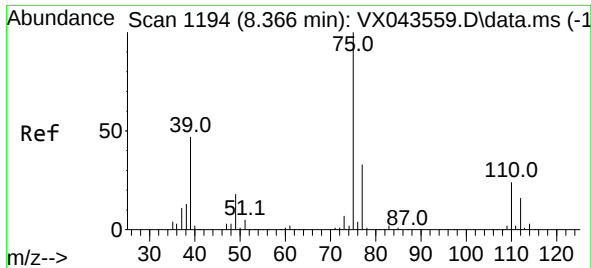
Tgt Ion: 43 Resp: 95892
Ion Ratio Lower Upper
43 100
58 8.7 31.7 47.5#



#53
t-1,3-Dichloropropene
Concen: 0.396 ug/l
RT: 8.952 min Scan# 1290
Delta R.T. -0.024 min
Lab File: VX043626.D
Acq: 30 Oct 2024 15:57

Tgt Ion: 75 Resp: 1020
Ion Ratio Lower Upper
75 100
77 0.0 26.0 39.0#

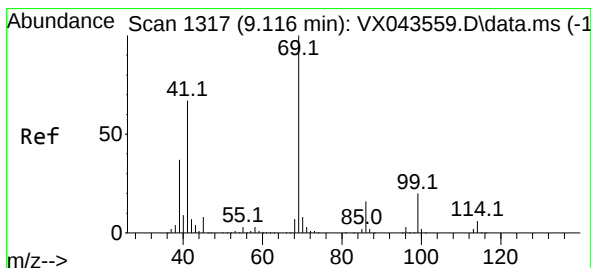
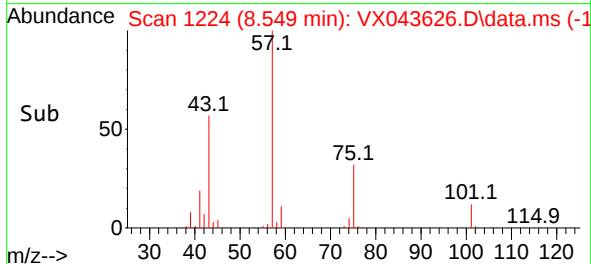
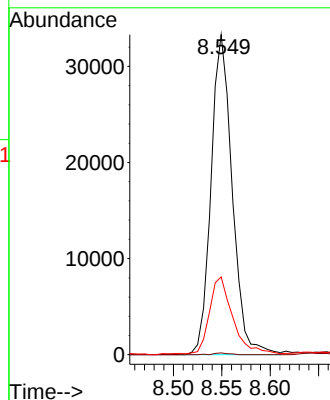
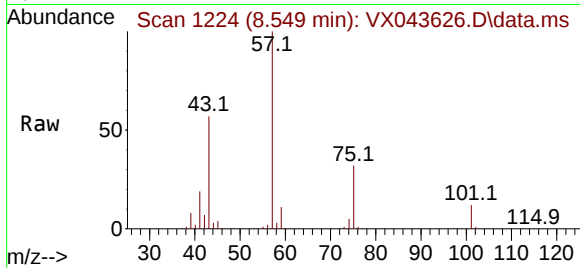




#54
 cis-1,3-Dichloropropene
 Concen: 18.468 ug/l
 RT: 8.549 min Scan# 1194
 Delta R.T. 0.183 min
 Lab File: VX043626.D
 Acq: 30 Oct 2024 15:57

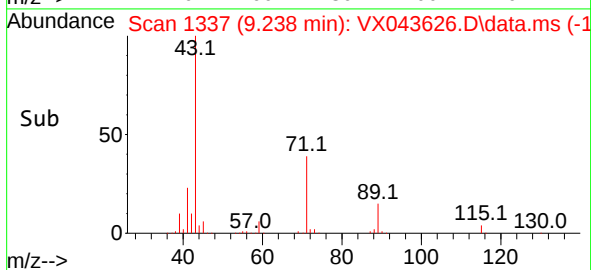
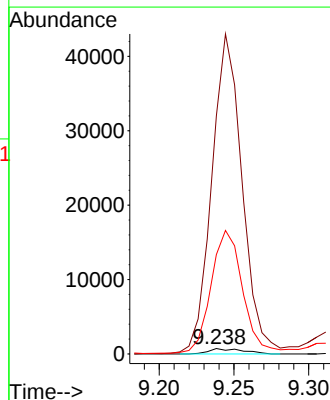
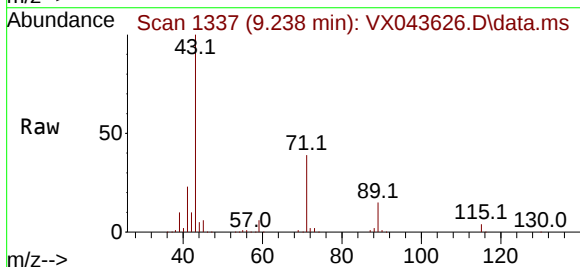
Instrument :
 MSVOA_X
 ClientSampleId :
 PB164501ZHE#04

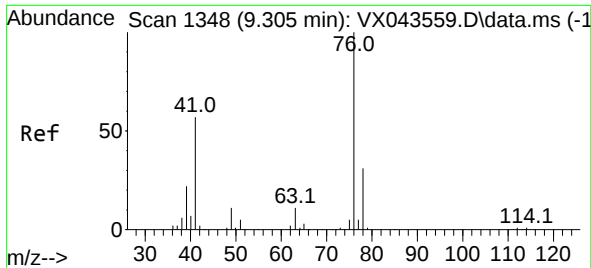
Tgt Ion: 75 Resp: 50730
 Ion Ratio Lower Upper
 75 100
 77 0.5 24.8 37.2#
 39 23.9 37.7 56.5#



#56
 Ethyl methacrylate
 Concen: 0.387 ug/l
 RT: 9.238 min Scan# 1337
 Delta R.T. 0.122 min
 Lab File: VX043626.D
 Acq: 30 Oct 2024 15:57

Tgt Ion: 69 Resp: 1145
 Ion Ratio Lower Upper
 69 100
 41 5321.7 53.8 80.8#
 39 2104.7 29.9 44.9#

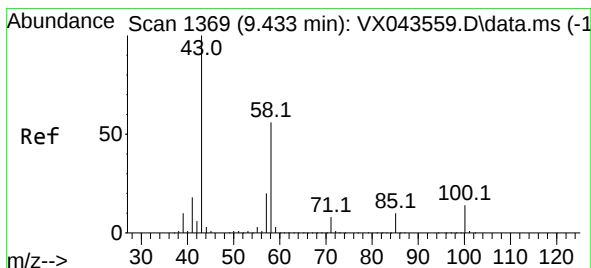
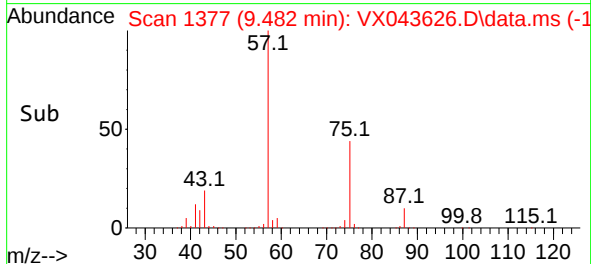
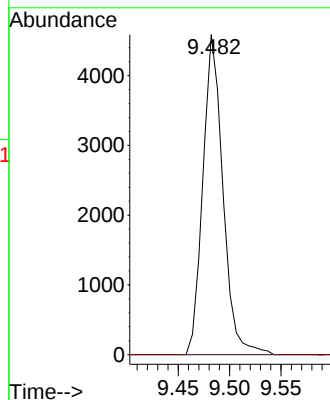
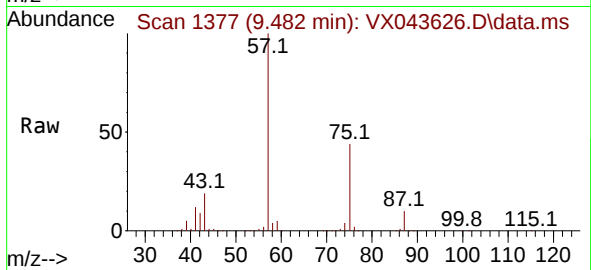




#57
1,3-Dichloropropane
Concen: 2.059 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.177 min
Lab File: VX043626.D
Acq: 30 Oct 2024 15:57

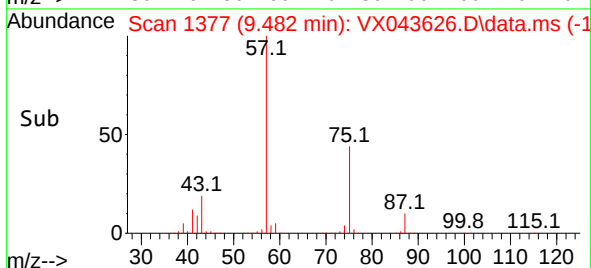
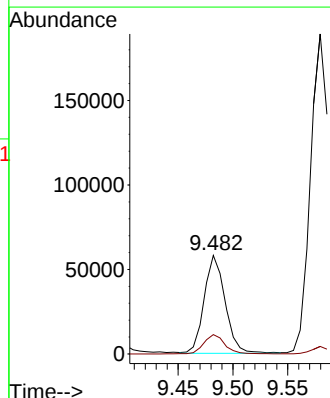
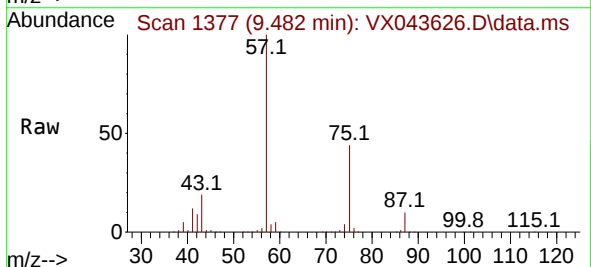
Instrument :
MSVOA_X
ClientSampleId :
PB164501ZHE#04

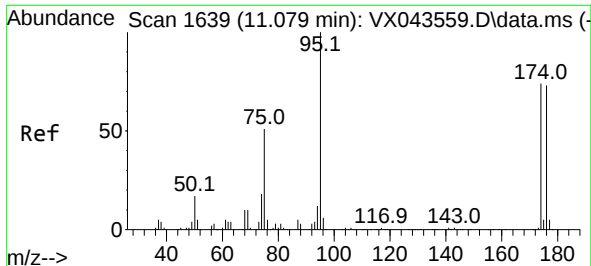
Tgt Ion: 76 Resp: 6239
Ion Ratio Lower Upper
76 100
78 0.0 25.9 38.9#



#59
2-Hexanone
Concen: 38.521 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.049 min
Lab File: VX043626.D
Acq: 30 Oct 2024 15:57

Tgt Ion: 43 Resp: 77451
Ion Ratio Lower Upper
43 100
58 20.2 27.5 82.5#

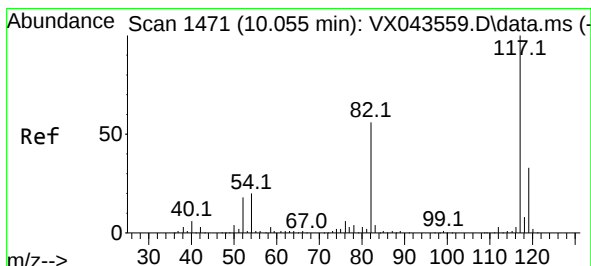
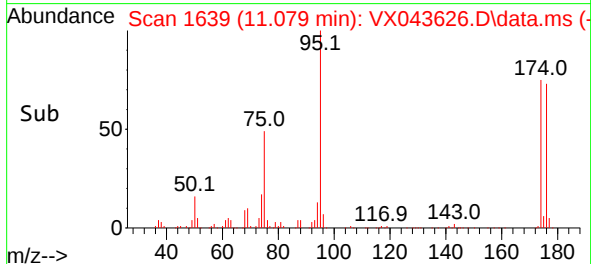
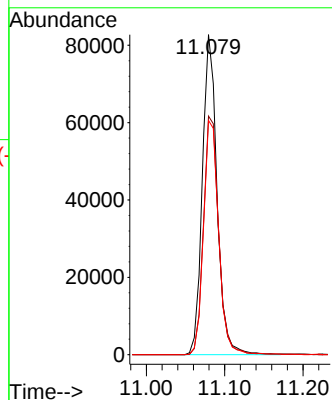
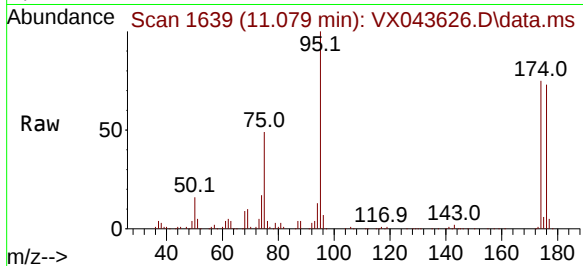




#62
4-Bromofluorobenzene
Concen: 45.980 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX043626.D
Acq: 30 Oct 2024 15:57

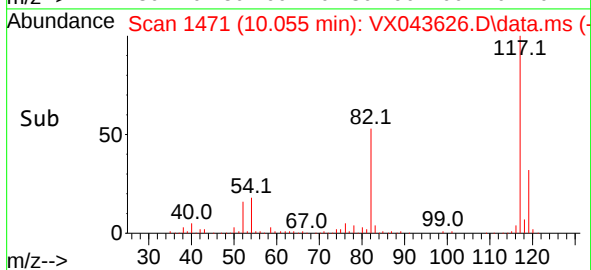
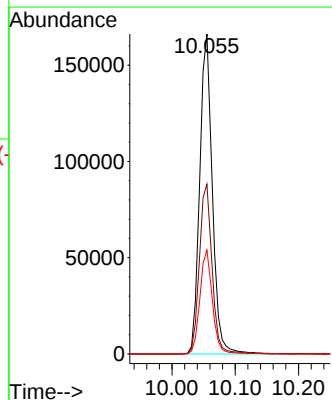
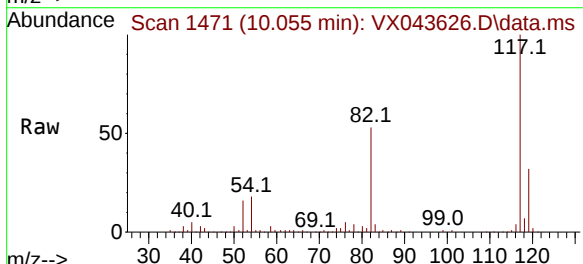
Instrument :
MSVOA_X
ClientSampleId :
PB164501ZHE#04

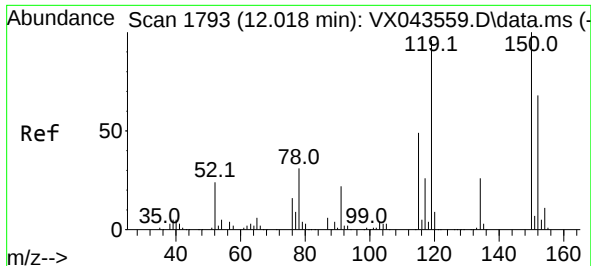
Tgt Ion: 95 Resp: 107600
Ion Ratio Lower Upper
95 100
174 77.4 0.0 146.6
176 75.8 0.0 139.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX043626.D
Acq: 30 Oct 2024 15:57

Tgt Ion: 117 Resp: 231444
Ion Ratio Lower Upper
117 100
82 53.0 42.1 63.1
119 32.4 25.4 38.2

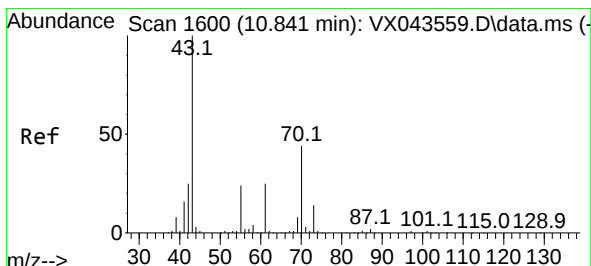
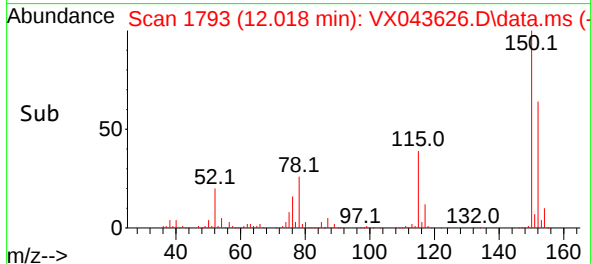
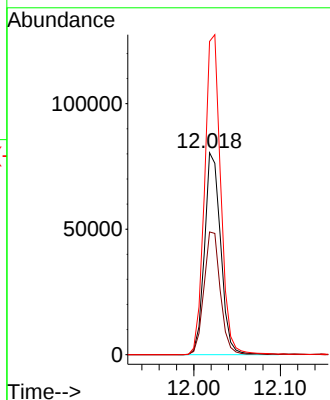
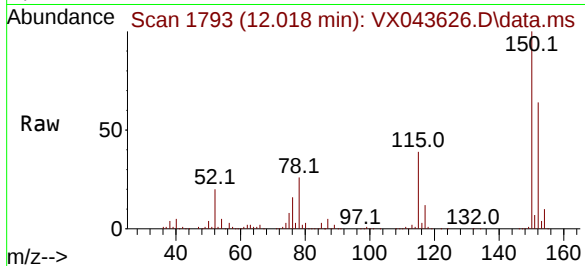




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX043626.D
Acq: 30 Oct 2024 15:57

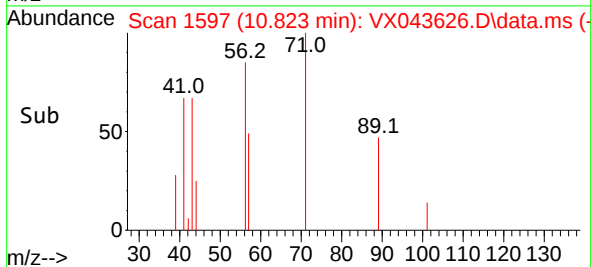
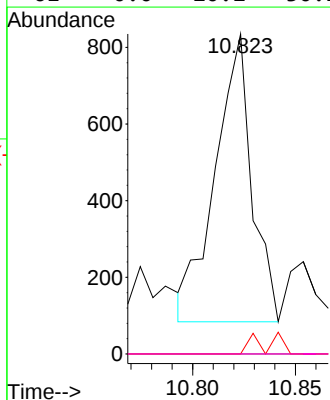
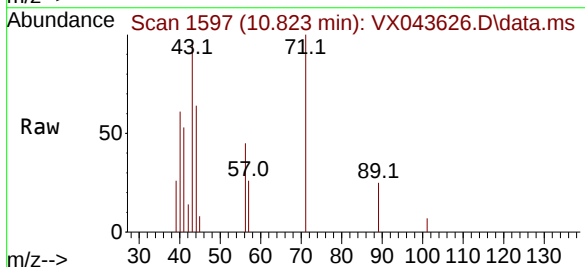
Instrument :
MSVOA_X
ClientSampleId :
PB164501ZHE#04

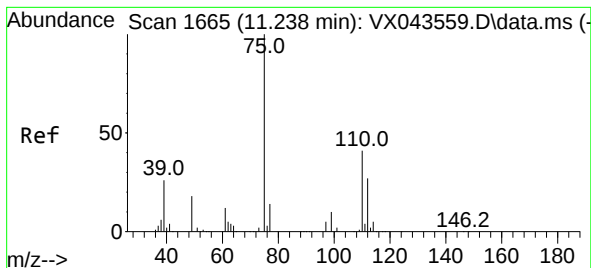
Tgt Ion:152 Resp: 104440
Ion Ratio Lower Upper
152 100
115 61.6 42.9 128.7
150 158.6 0.0 343.6



#74
N-ethyl acetate
Concen: 0.258 ug/l
RT: 10.823 min Scan# 1597
Delta R.T. -0.018 min
Lab File: VX043626.D
Acq: 30 Oct 2024 15:57

Tgt Ion: 43 Resp: 931
Ion Ratio Lower Upper
43 100
70 0.0 34.6 52.0#
55 4.4 19.6 29.4#
61 0.0 20.2 30.2#





#76

1,2,3-Trichloropropane

Concen: 23.211 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.158 min

Lab File: VX043626.D

Acq: 30 Oct 2024 15:57

Instrument :

MSVOA_X

ClientSampleId :

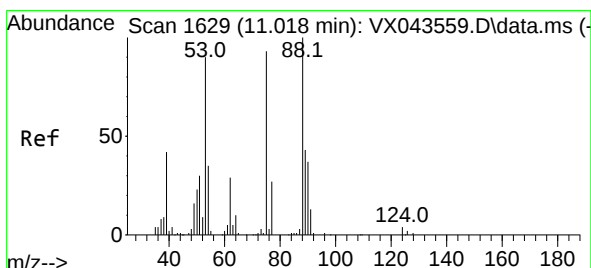
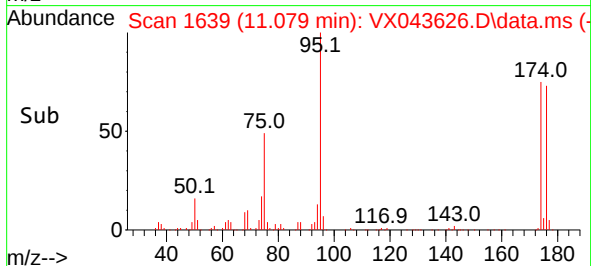
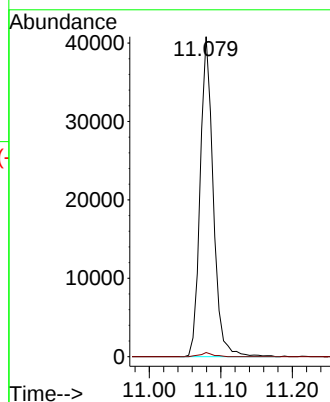
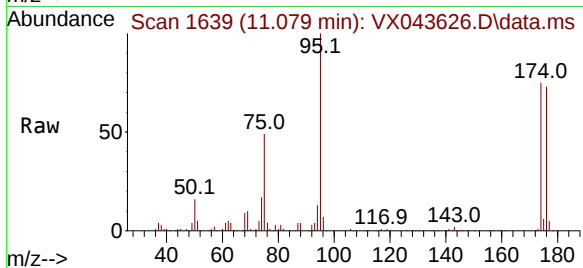
PB164501ZHE#04

Tgt Ion: 75 Resp: 51832

Ion Ratio Lower Upper

75 100

77 1.2 22.4 67.2#



#81

trans-1,4-Dichloro-2-butene

Concen: 63.855 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX043626.D

Acq: 30 Oct 2024 15:57

Tgt Ion: 75 Resp: 51832

Ion Ratio Lower Upper

75 100

53 0.0 84.6 126.8#

89 0.0 38.6 58.0#

