

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121622\
 Data File : VX033467.D
 Acq On : 16 Dec 2022 17:46
 Operator : JC/MD
 Sample : N6071-06
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 FVSUB-TP7-COMP-07

Quant Time: Dec 17 08:12:03 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X120722W.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 07 12:43:54 2022
 Response via : Initial Calibration

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

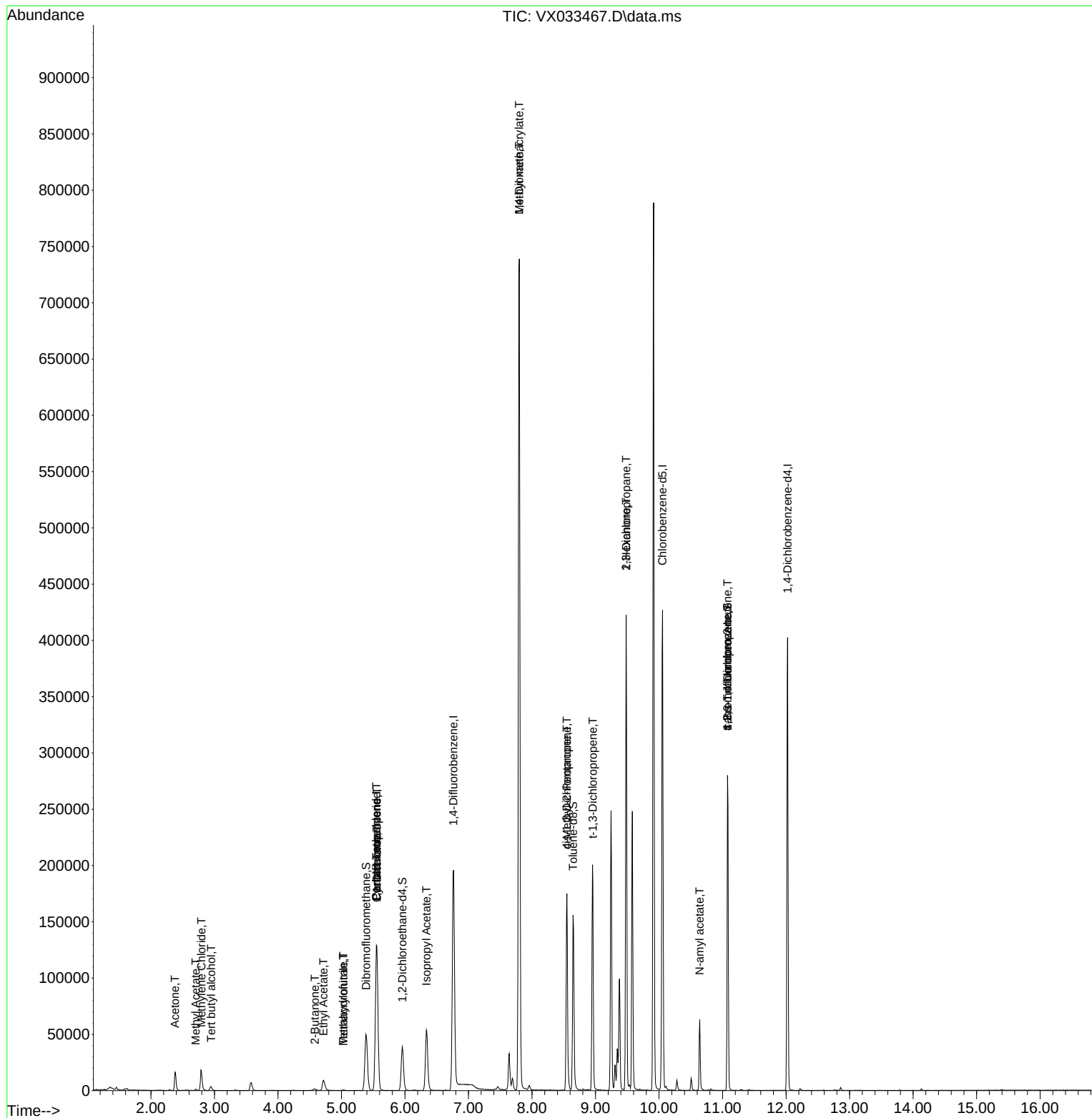
Internal Standards						
1) Pentafluorobenzene	5.550	168	125096	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	204396	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	195953	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	87446	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	39122	48.748	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	97.500%		
35) Dibromofluoromethane	5.385	113	43578	47.402	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	94.800%		
50) Toluene-d8	8.647	98	94141	48.950	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	97.900%		
62) 4-Bromofluorobenzene	11.079	95	72544	49.333	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	98.660%		
Target Compounds						Qvalue
11) Tert butyl alcohol	2.947	59	2427	9.892	ug/l #	72
16) Acetone	2.380	43	18628	31.368	ug/l	98
18) Methyl Acetate	2.703	43	1434	0.834	ug/l	95
20) Methylene Chloride	2.794	84	8972	6.774	ug/l	87
25) 2-Butanone	4.580	43	2025	2.376	ug/l	94
29) Tetrahydrofuran	5.025	42	321	0.581	ug/l #	54
31) Cyclohexane	5.556	56	2474	1.297	ug/l #	23
36) 1,1-Dichloropropene	5.556	75	9409	5.249	ug/l #	50
37) Ethyl Acetate	4.715	43	16209	9.567	ug/l #	93
38) Carbon Tetrachloride	5.550	117	12990	6.468	ug/l #	14
41) Methacrylonitrile	5.032	41	322	0.345	ug/l #	21
43) Isopropyl Acetate	6.336	43	72660	26.653	ug/l	98
48) Methyl methacrylate	7.799	41	65958	46.879	ug/l #	42
49) 1,4-Dioxane	7.799	88	94	2.930	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	59224	34.353	ug/l #	50
53) t-1,3-Dichloropropene	8.958	75	396	2.682	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	27479	13.011	ug/l #	59
57) 1,3-Dichloropropane	9.482	76	3710	1.626	ug/l #	42
59) 2-Hexanone	9.482	43	47196	37.149	ug/l #	53
74) N-amyl acetate	10.640	43	15653	7.238	ug/l #	52
76) 1,2,3-Trichloropropane	11.079	75	37562	21.113	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.079	75	37562	65.676	ug/l #	6

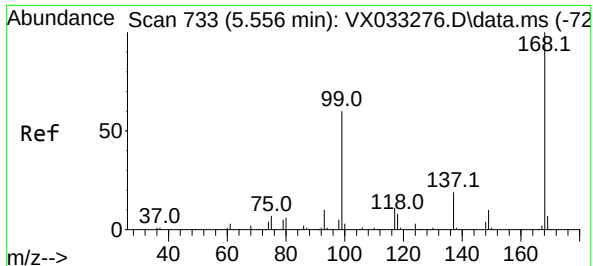
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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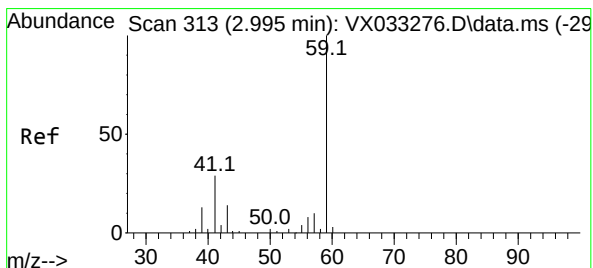
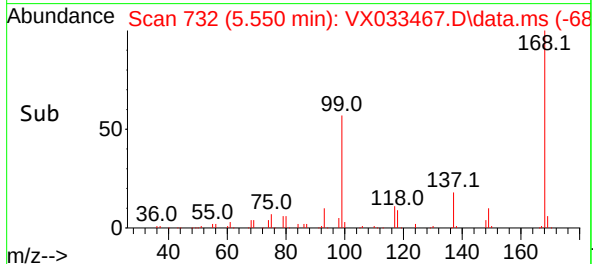
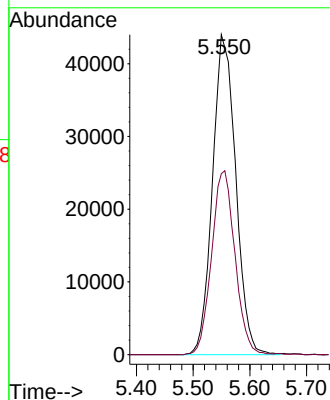
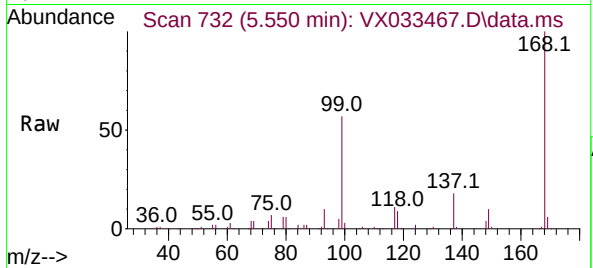




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX033467.D
Acq: 16 Dec 2022 17:46

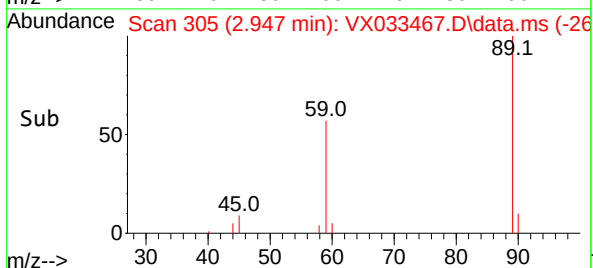
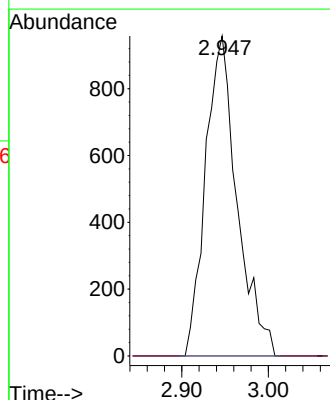
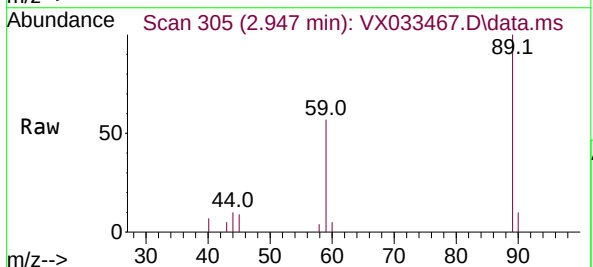
Instrument :
MSVOA_X
ClientSampleId :
FVSUB-TP7-COMP-07

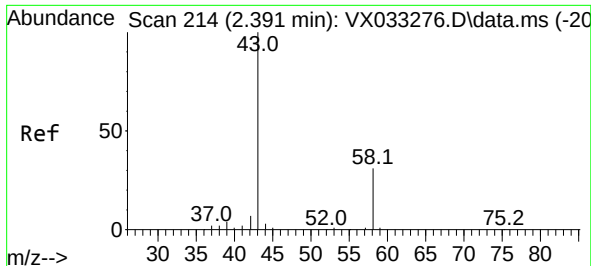
Tgt Ion:168 Resp: 125096
Ion Ratio Lower Upper
168 100
99 56.6 46.1 69.1



#11
Tert butyl alcohol
Concen: 9.892 ug/l
RT: 2.947 min Scan# 305
Delta R.T. -0.048 min
Lab File: VX033467.D
Acq: 16 Dec 2022 17:46

Tgt Ion: 59 Resp: 2427
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#

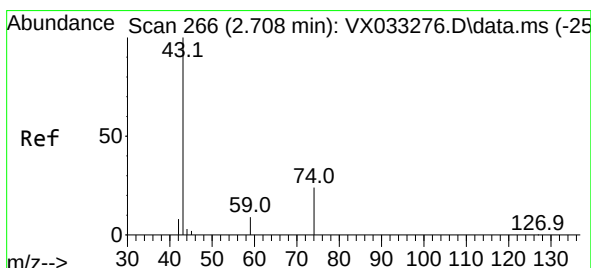
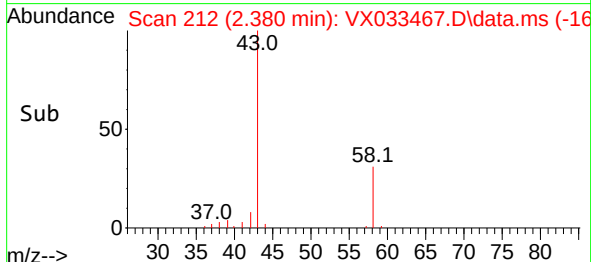
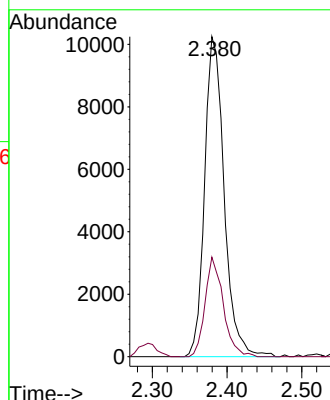
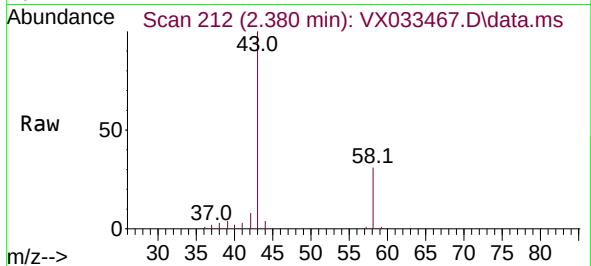




#16
Acetone
Concen: 31.368 ug/l
RT: 2.380 min Scan# 214
Delta R.T. -0.012 min
Lab File: VX033467.D
Acq: 16 Dec 2022 17:46

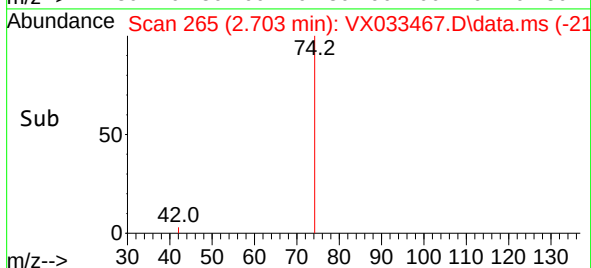
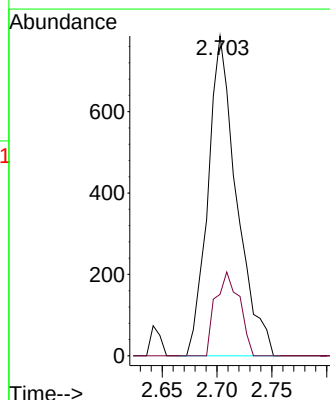
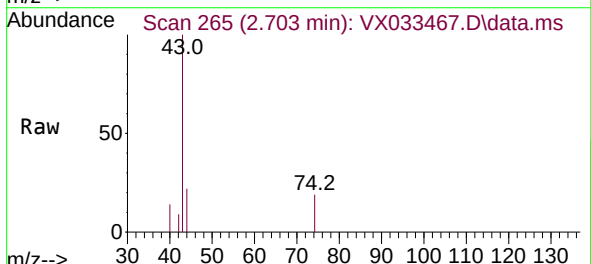
Instrument :
MSVOA_X
ClientSampleId :
FVSUB-TP7-COMP-07

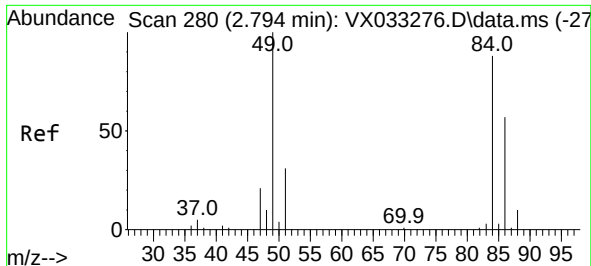
Tgt Ion: 43 Resp: 18628
Ion Ratio Lower Upper
43 100
58 31.1 23.8 35.8



#18
Methyl Acetate
Concen: 0.834 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.006 min
Lab File: VX033467.D
Acq: 16 Dec 2022 17:46

Tgt Ion: 43 Resp: 1434
Ion Ratio Lower Upper
43 100
74 21.8 19.4 29.0





#20

Methylene Chloride

Concen: 6.774 ug/l

RT: 2.794 min Scan# 21

Delta R.T. 0.000 min

Lab File: VX033467.D

Acq: 16 Dec 2022 17:46

Instrument :

MSVOA_X

ClientSampleId :

FVSUB-TP7-COMP-07

Tgt Ion: 84 Resp: 8972

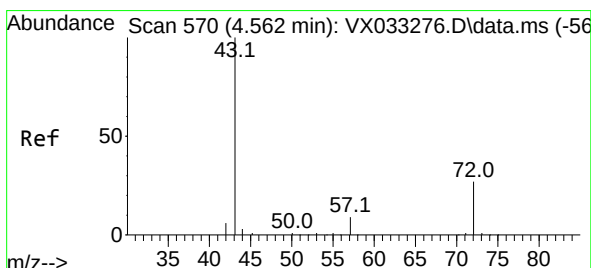
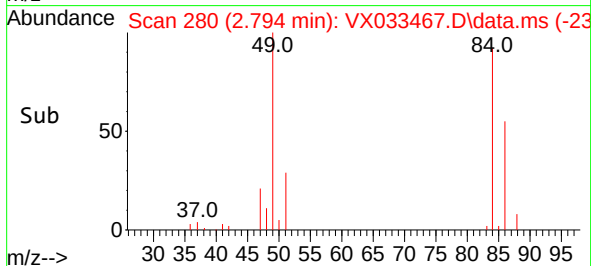
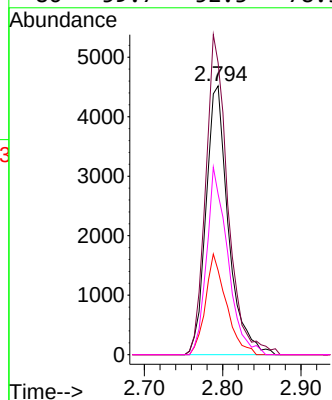
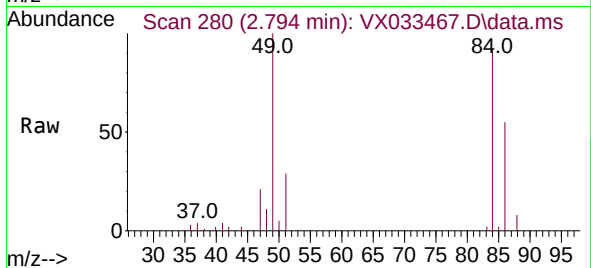
Ion Ratio Lower Upper

84 100

49 108.6 101.0 151.6

51 31.3 31.1 46.7

86 59.7 52.3 78.5



#25

2-Butanone

Concen: 2.376 ug/l

RT: 4.580 min Scan# 573

Delta R.T. 0.019 min

Lab File: VX033467.D

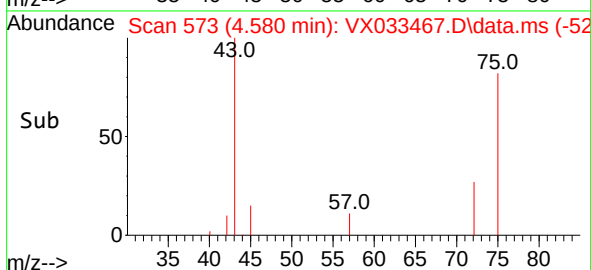
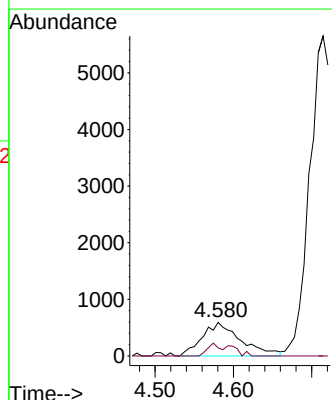
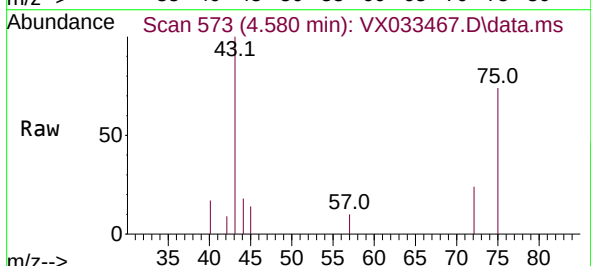
Acq: 16 Dec 2022 17:46

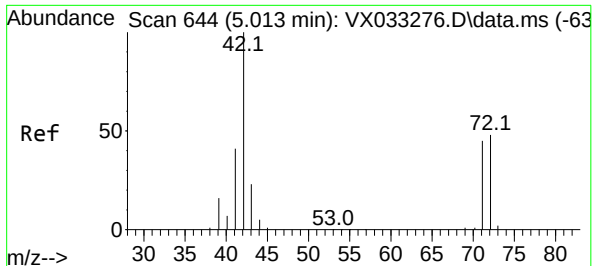
Tgt Ion: 43 Resp: 2025

Ion Ratio Lower Upper

43 100

72 24.4 22.2 33.2





#29

Tetrahydrofuran

Concen: 0.581 ug/l

RT: 5.025 min Scan# 644

Delta R.T. 0.013 min

Lab File: VX033467.D

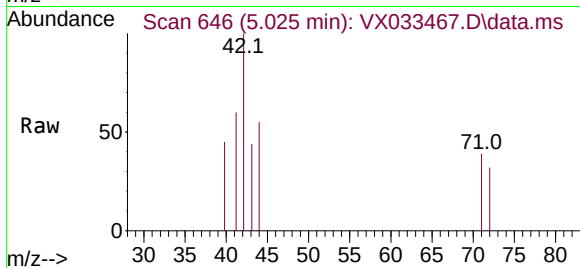
Acq: 16 Dec 2022 17:46

Instrument :

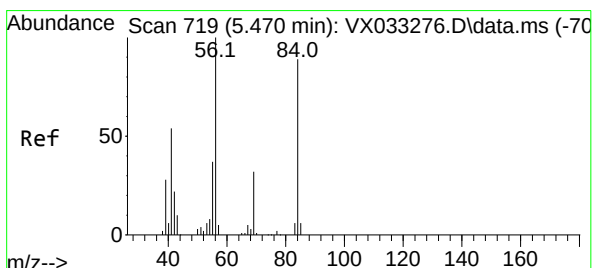
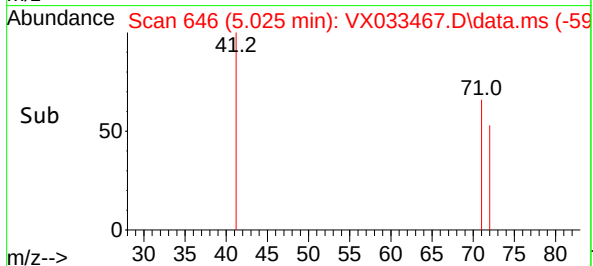
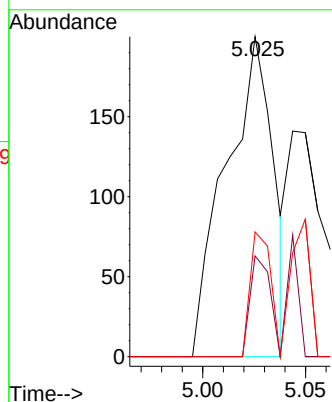
MSVOA_X

ClientSampleId :

FVSUB-TP7-COMP-07



Tgt Ion:	42	Resp:	321
Ion	Ratio	Lower	Upper
42	100		
72	13.1	37.6	56.4#
71	16.8	34.7	52.1#



#31

Cyclohexane

Concen: 1.297 ug/l

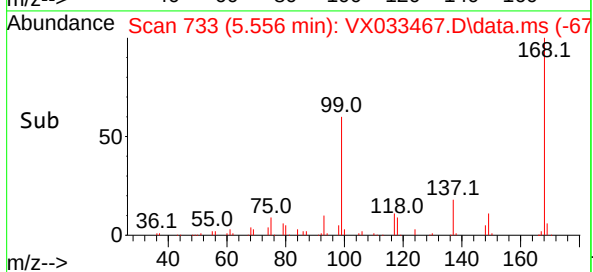
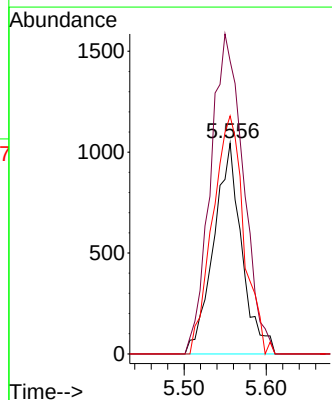
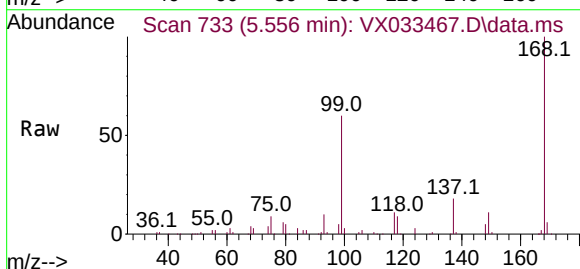
RT: 5.556 min Scan# 733

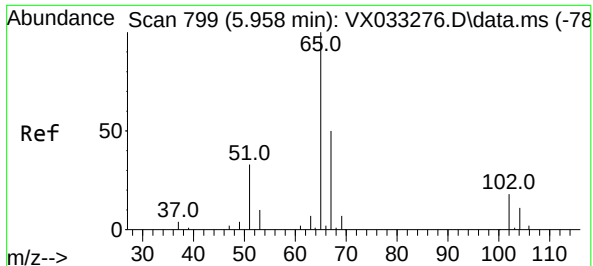
Delta R.T. 0.086 min

Lab File: VX033467.D

Acq: 16 Dec 2022 17:46

Tgt Ion:	56	Resp:	2474
Ion	Ratio	Lower	Upper
56	100		
69	139.1	24.1	36.1#
84	113.0	66.9	100.3#





#33

1,2-Dichloroethane-d4

Concen: 48.748 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX033467.D

Acq: 16 Dec 2022 17:46

Instrument :

MSVOA_X

ClientSampleId :

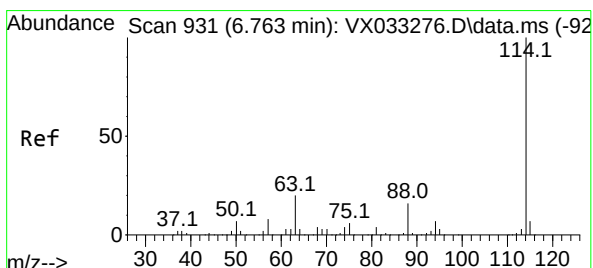
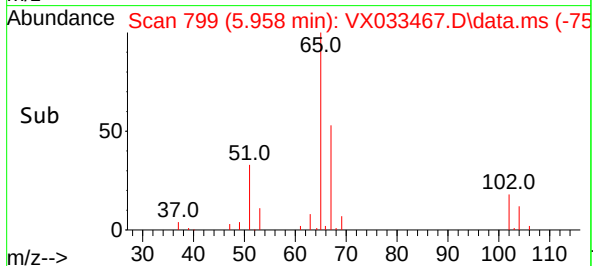
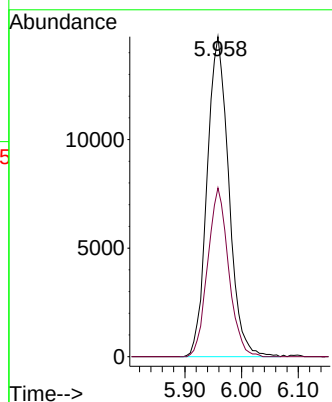
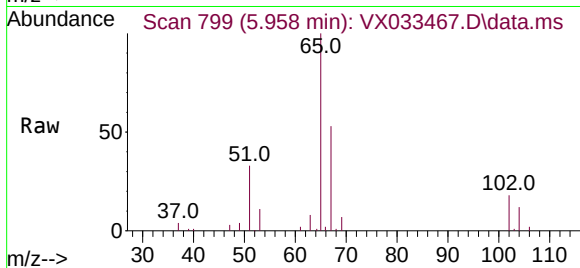
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Tgt Ion: 65 Resp: 39122

Ion Ratio Lower Upper

65 100

67 51.0 0.0 101.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. 0.000 min

Lab File: VX033467.D

Acq: 16 Dec 2022 17:46

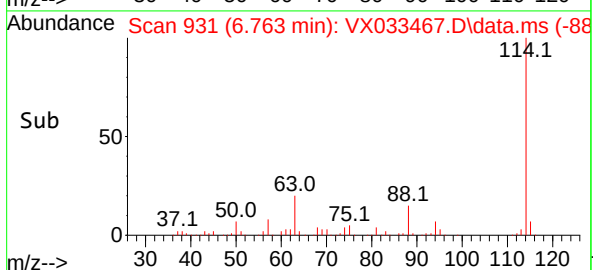
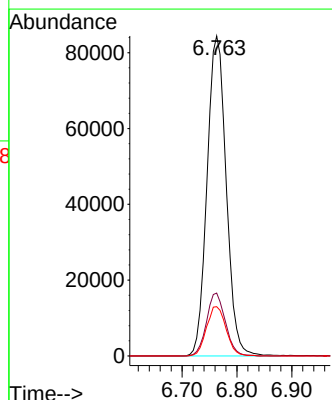
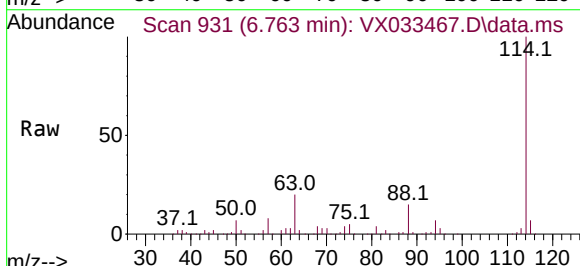
Tgt Ion: 114 Resp: 204396

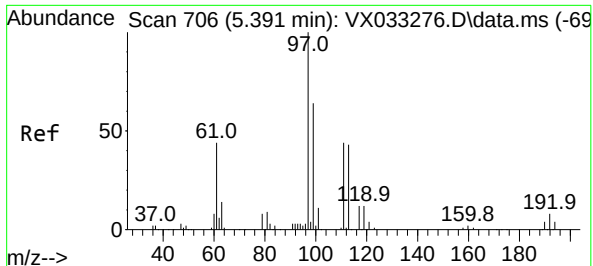
Ion Ratio Lower Upper

114 100

63 19.7 0.0 41.6

88 15.4 0.0 33.4





#35

Dibromofluoromethane

Concen: 47.402 ug/l

RT: 5.385 min Scan# 705

Delta R.T. -0.006 min

Lab File: VX033467.D

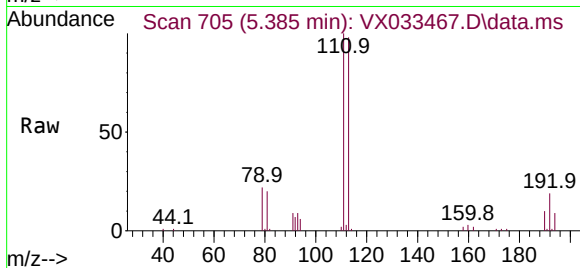
Acq: 16 Dec 2022 17:46

Instrument :

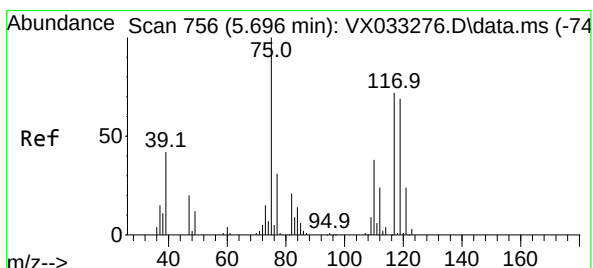
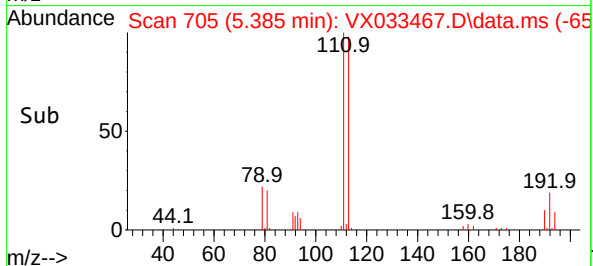
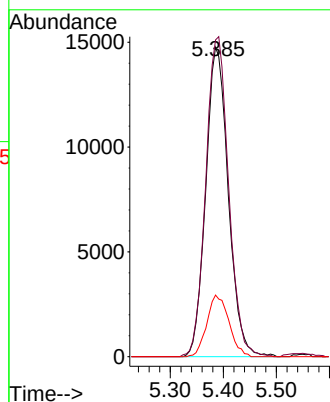
MSVOA_X

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Tgt Ion:	113	Resp:	43578
Ion	Ratio	Lower	Upper
113	100		
111	104.9	82.4	123.6
192	19.5	15.4	23.2



#36

1,1-Dichloropropene

Concen: 5.249 ug/l

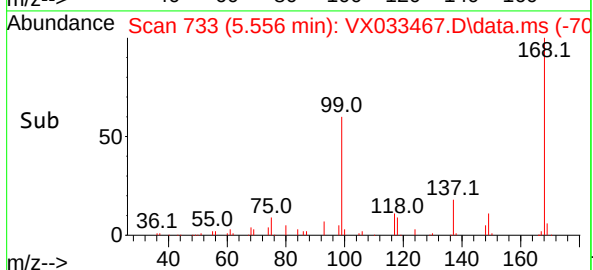
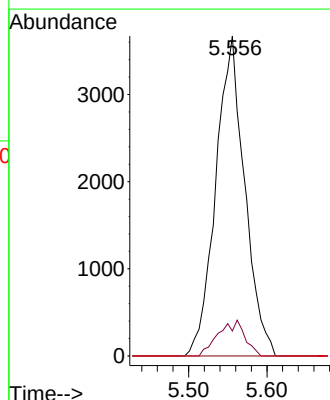
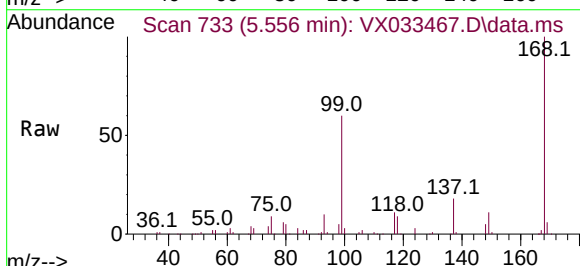
RT: 5.556 min Scan# 733

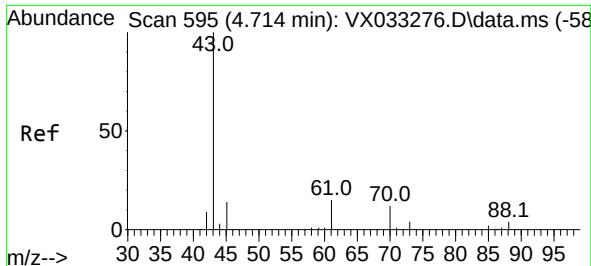
Delta R.T. -0.140 min

Lab File: VX033467.D

Acq: 16 Dec 2022 17:46

Tgt Ion:	75	Resp:	9409
Ion	Ratio	Lower	Upper
75	100		
110	10.2	18.4	55.2#
77	0.0	24.5	36.7#

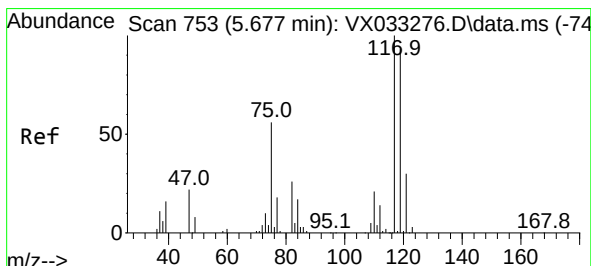
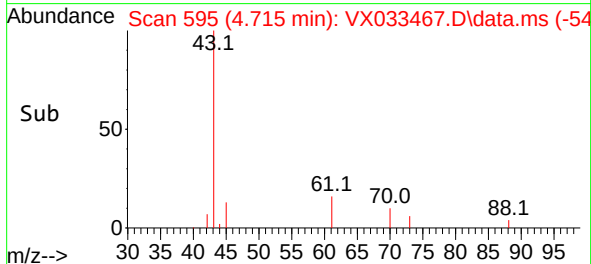
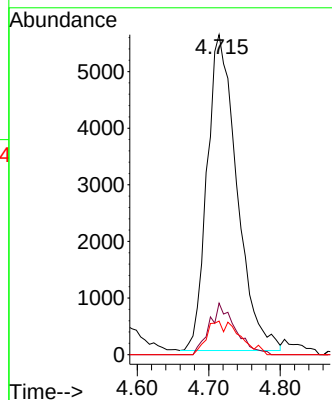
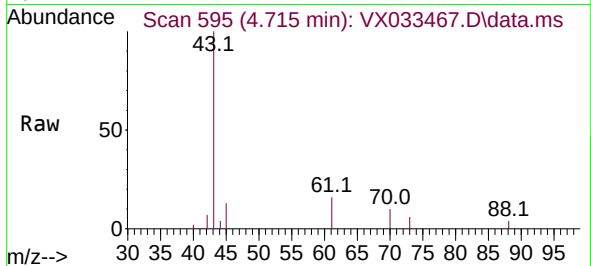




#37
Ethyl Acetate
Concen: 9.567 ug/l
RT: 4.715 min Scan# 595
Delta R.T. 0.000 min
Lab File: VX033467.D
Acq: 16 Dec 2022 17:46

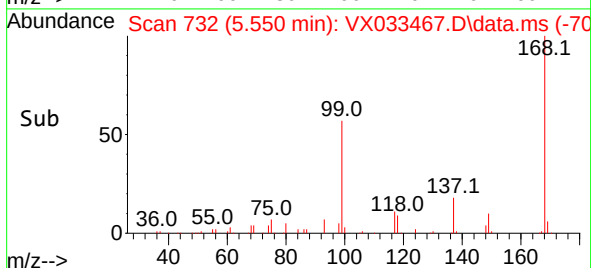
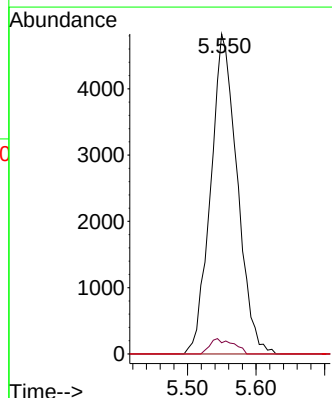
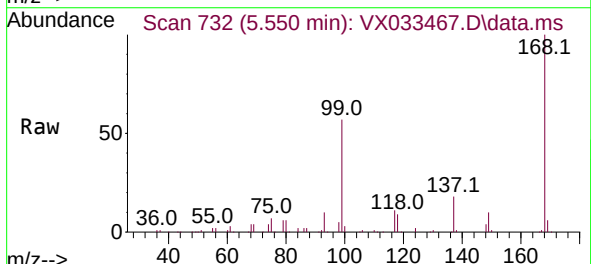
Instrument :
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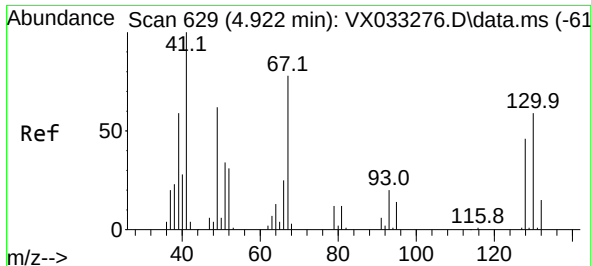
Tgt Ion: 43 Resp: 16209
Ion Ratio Lower Upper
43 100
61 14.1 11.5 17.3
70 5.9 9.1 13.7#



#38
Carbon Tetrachloride
Concen: 6.468 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.128 min
Lab File: VX033467.D
Acq: 16 Dec 2022 17:46

Tgt Ion: 117 Resp: 12990
Ion Ratio Lower Upper
117 100
119 3.5 77.2 115.8#
121 0.0 25.8 38.6#

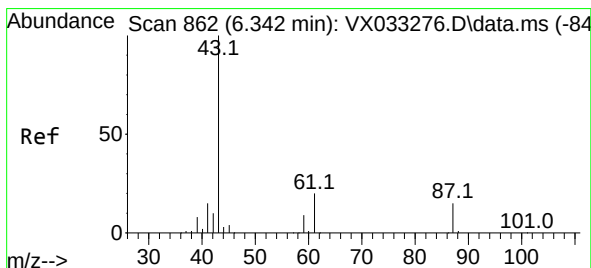
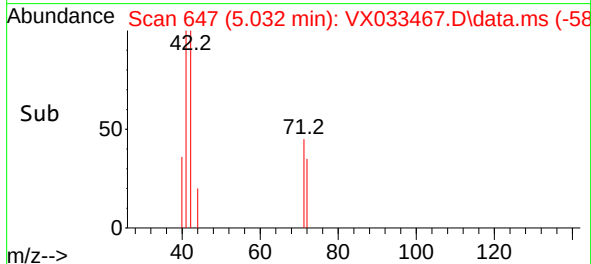
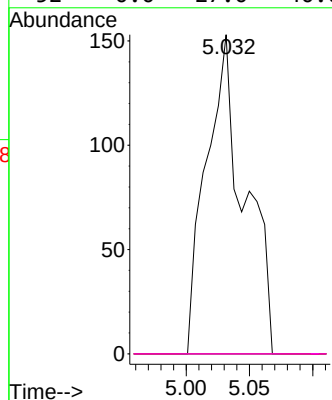
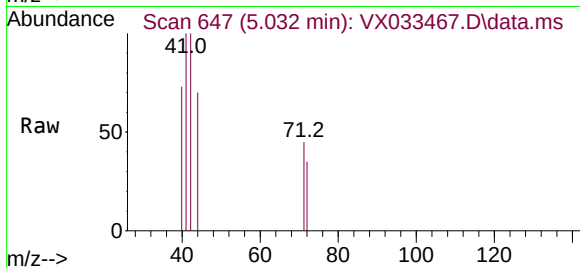




#41
Methacrylonitrile
Concen: 0.345 ug/l
RT: 5.032 min Scan# 647
Delta R.T. 0.110 min
Lab File: VX033467.D
Acq: 16 Dec 2022 17:46

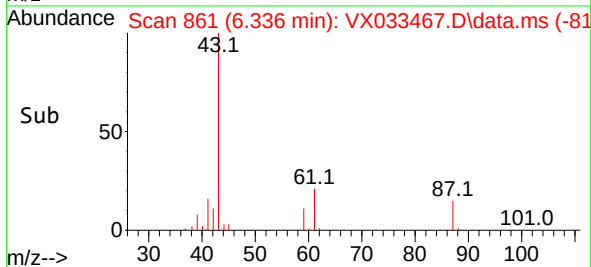
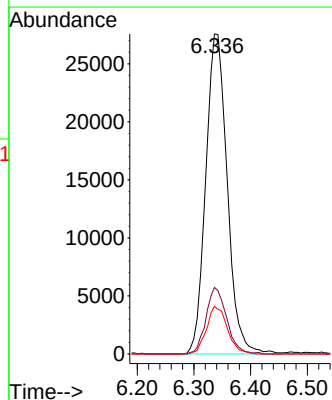
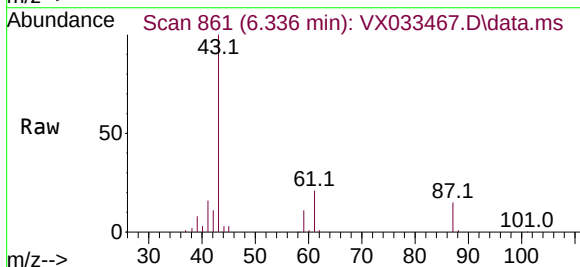
Instrument :
MSVOA_X
ClientSampleId :
FVSUB-TP7-COMP-07

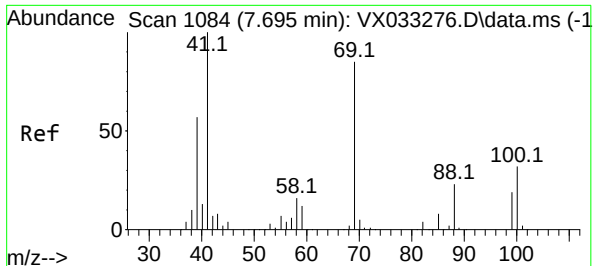
Tgt Ion: 41	Resp:	322
Ion	Ratio	Lower Upper
41	100	
39	0.0	47.5 71.3#
67	0.0	60.5 90.7#
52	0.0	27.0 40.6#



#43
Isopropyl Acetate
Concen: 26.653 ug/l
RT: 6.336 min Scan# 861
Delta R.T. -0.006 min
Lab File: VX033467.D
Acq: 16 Dec 2022 17:46

Tgt Ion: 43	Resp:	72660
Ion	Ratio	Lower Upper
43	100	
61	20.0	15.4 23.0
87	14.4	10.8 16.2





#48

Methyl methacrylate

Concen: 46.879 ug/l

RT: 7.799 min Scan# 1101

Delta R.T. 0.104 min

Lab File: VX033467.D

Acq: 16 Dec 2022 17:46

Instrument :

MSVOA_X

ClientSampleId :

FVSUB-TP7-COMP-07

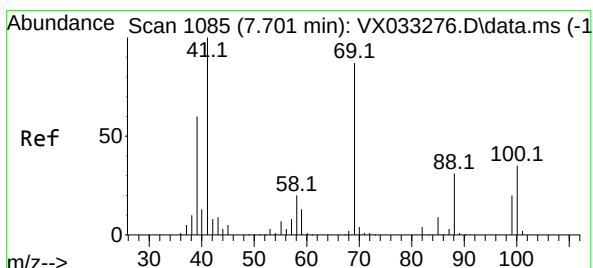
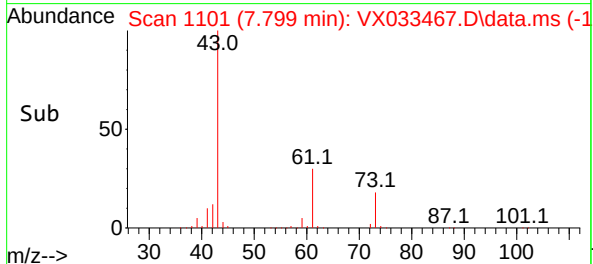
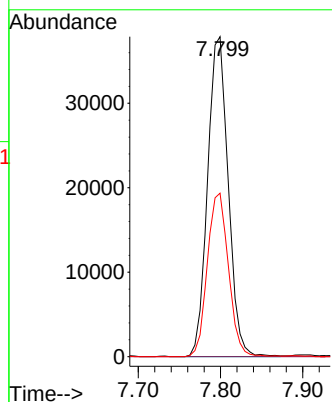
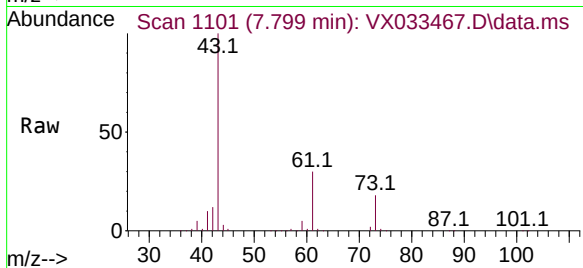
Tgt Ion: 41 Resp: 65958

Ion Ratio Lower Upper

41 100

69 0.0 65.1 97.7#

39 52.4 51.9 77.9



#49

1,4-Dioxane

Concen: 2.930 ug/l

RT: 7.799 min Scan# 1101

Delta R.T. 0.098 min

Lab File: VX033467.D

Acq: 16 Dec 2022 17:46

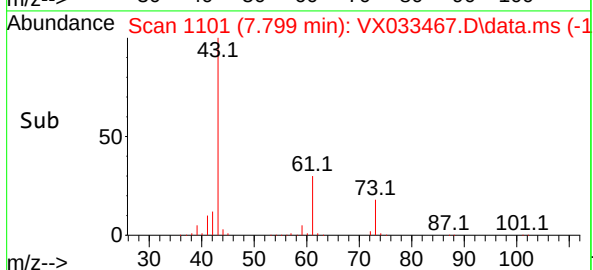
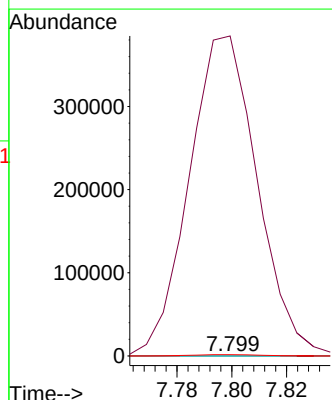
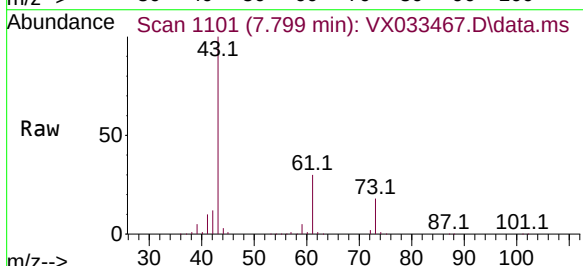
Tgt Ion: 88 Resp: 94

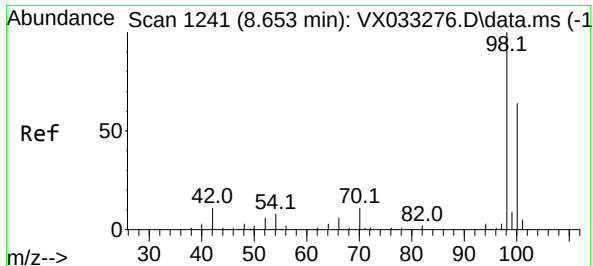
Ion Ratio Lower Upper

88 100

43 715022.3 26.6 39.8#

58 2997.9 51.7 77.5#

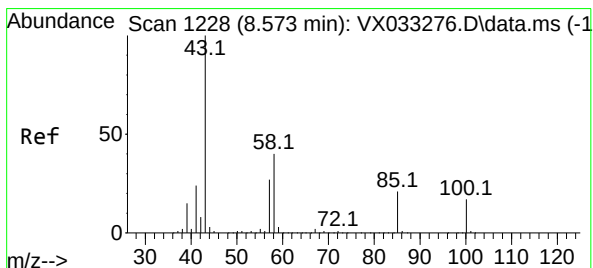
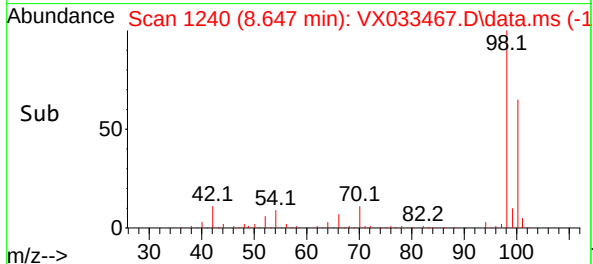
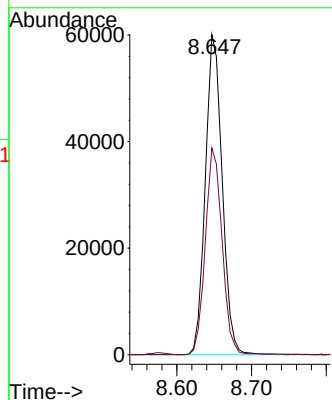
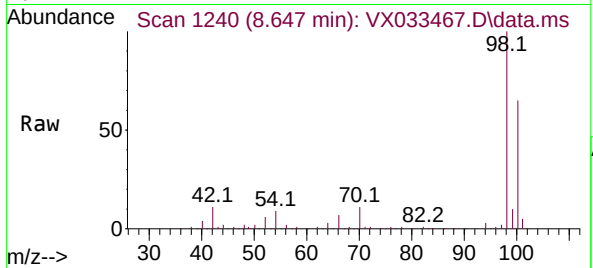




#50
Toluene-d8
Concen: 48.950 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX033467.D
Acq: 16 Dec 2022 17:46

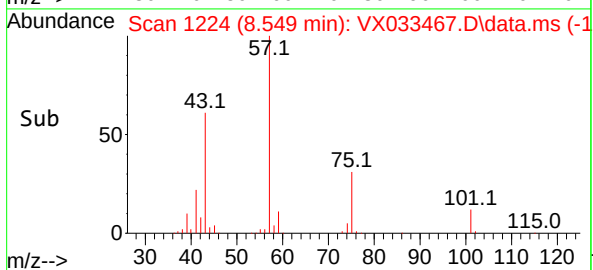
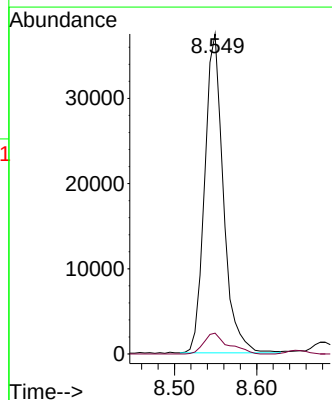
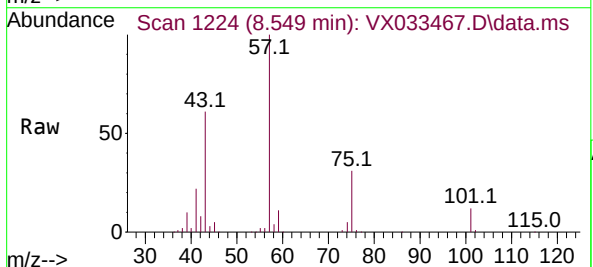
Instrument :
MSVOA_X
ClientSampleId :
FVSUB-TP7-COMP-07

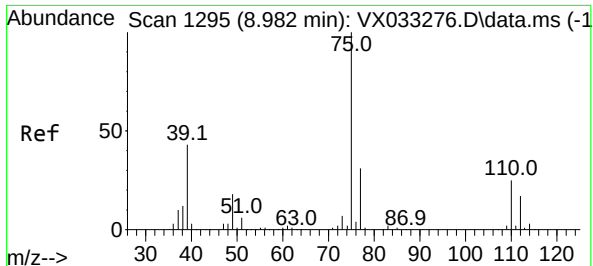
Tgt Ion: 98 Resp: 94141
Ion Ratio Lower Upper
98 100
100 64.3 50.9 76.3



#51
4-Methyl-2-Pentanone
Concen: 34.353 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.024 min
Lab File: VX033467.D
Acq: 16 Dec 2022 17:46

Tgt Ion: 43 Resp: 59224
Ion Ratio Lower Upper
43 100
58 8.4 30.9 46.3#





#53

t-1,3-Dichloropropene

Concen: 2.682 ug/l

RT: 8.958 min Scan# 11

Delta R.T. -0.024 min

Lab File: VX033467.D

Acq: 16 Dec 2022 17:46

Instrument :

MSVOA_X

ClientSampleId :

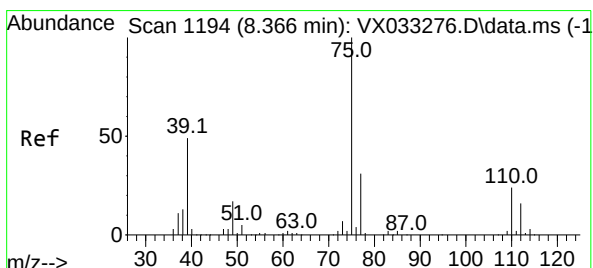
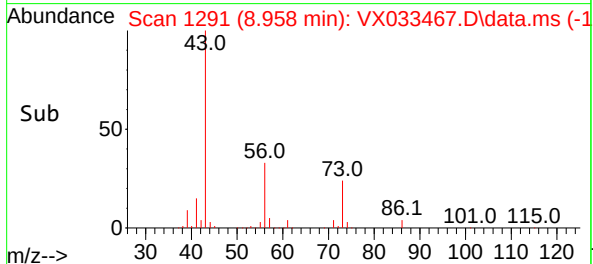
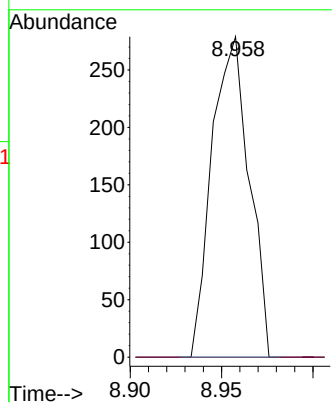
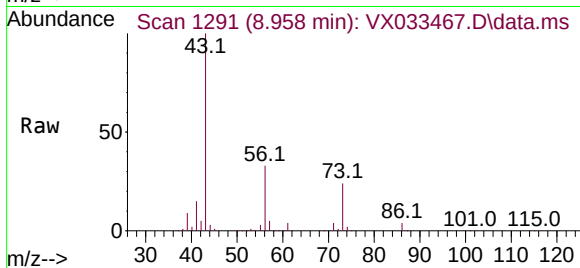
FVSUB-TP7-COMP-07

Tgt Ion: 75 Resp: 396

Ion Ratio Lower Upper

75 100

77 0.0 25.1 37.7#



#54

cis-1,3-Dichloropropene

Concen: 13.011 ug/l

RT: 8.549 min Scan# 1224

Delta R.T. 0.183 min

Lab File: VX033467.D

Acq: 16 Dec 2022 17:46

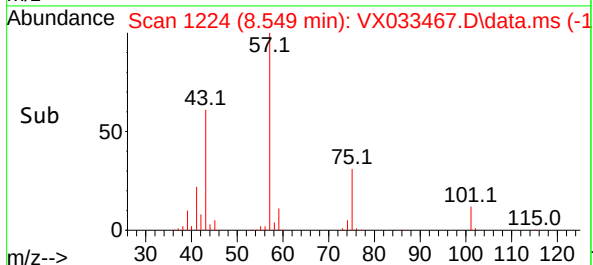
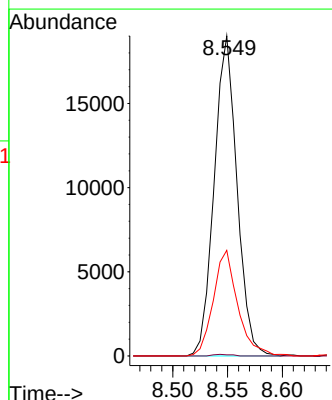
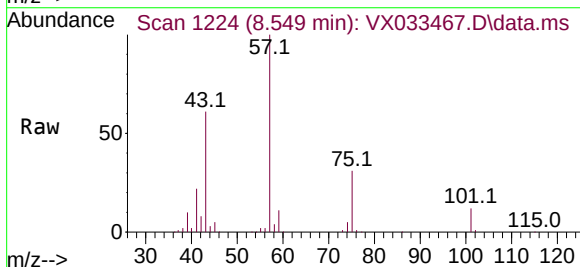
Tgt Ion: 75 Resp: 27479

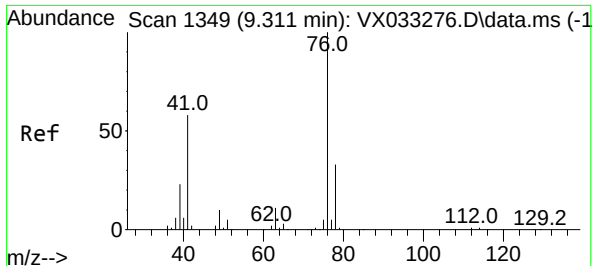
Ion Ratio Lower Upper

75 100

77 0.3 25.1 37.7#

39 33.0 45.5 68.3#





#57

1,3-Dichloropropane

Concen: 1.626 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.171 min

Lab File: VX033467.D

Acq: 16 Dec 2022 17:46

Instrument :

MSVOA_X

ClientSampleId :

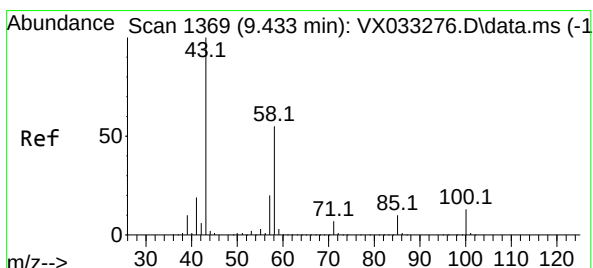
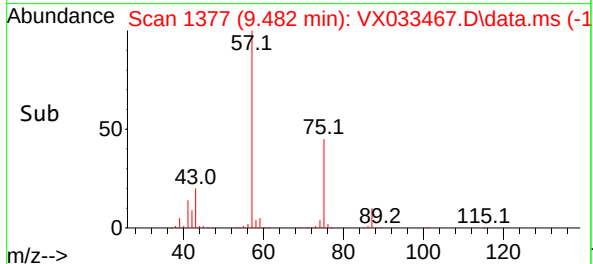
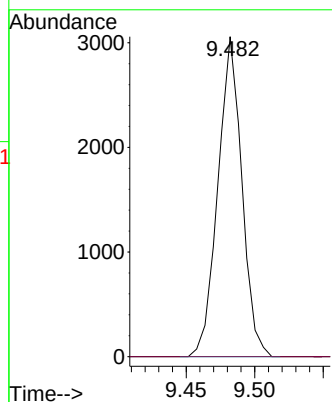
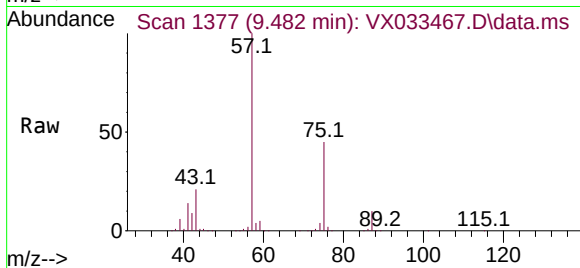
FVSUB-TP7-COMP-07

Tgt Ion: 76 Resp: 3710

Ion Ratio Lower Upper

76 100

78 0.0 26.0 39.0#



#59

2-Hexanone

Concen: 37.149 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.049 min

Lab File: VX033467.D

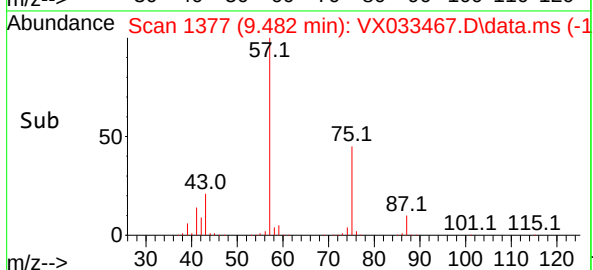
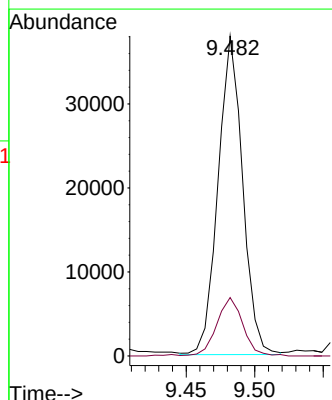
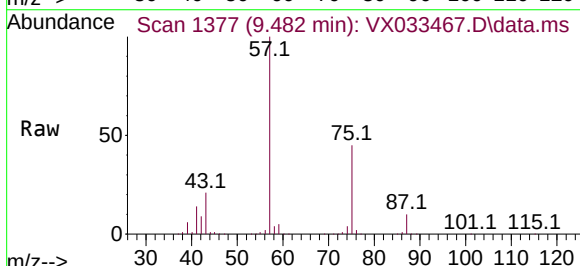
Acq: 16 Dec 2022 17:46

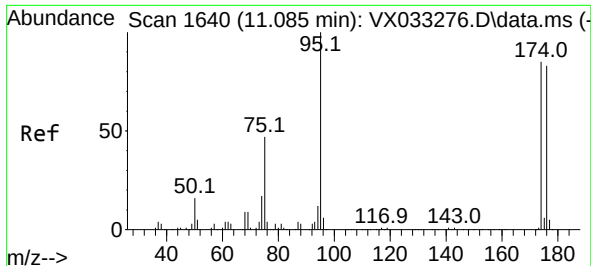
Tgt Ion: 43 Resp: 47196

Ion Ratio Lower Upper

43 100

58 19.5 26.5 79.5#

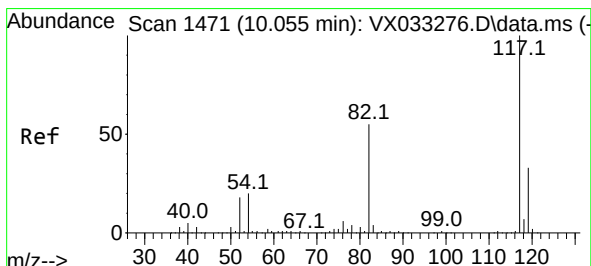
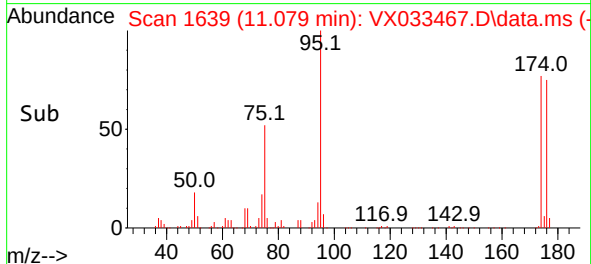
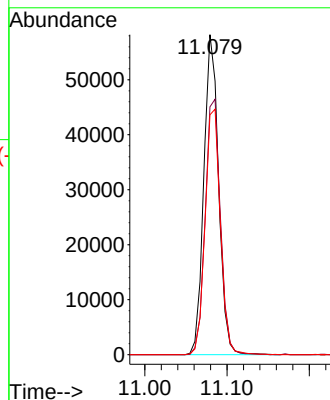
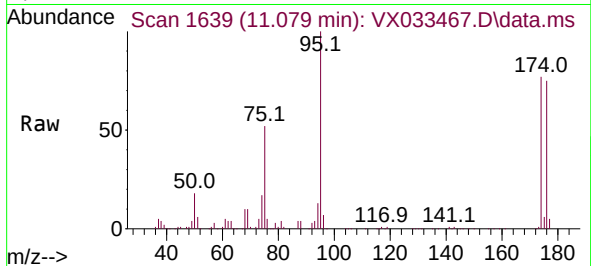




#62
4-Bromofluorobenzene
Concen: 49.333 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.006 min
Lab File: VX033467.D
Acq: 16 Dec 2022 17:46

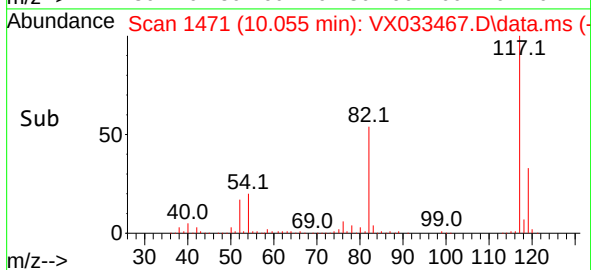
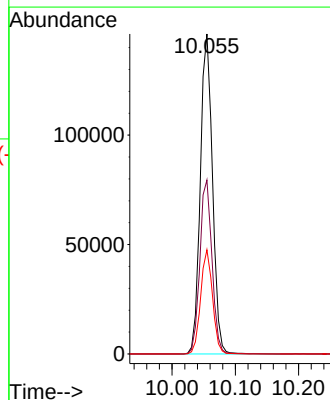
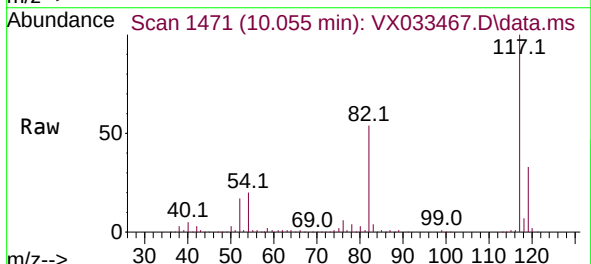
Instrument :
MSVOA_X
ClientSampleId :
FVSUB-TP7-COMP-07

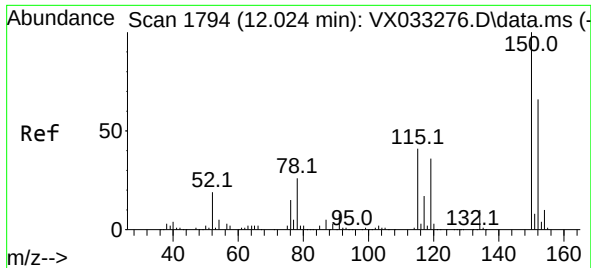
Tgt Ion: 95 Resp: 72544
Ion Ratio Lower Upper
95 100
174 82.4 0.0 164.0
176 79.7 0.0 154.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX033467.D
Acq: 16 Dec 2022 17:46

Tgt Ion: 117 Resp: 195953
Ion Ratio Lower Upper
117 100
82 54.4 44.3 66.5
119 32.6 25.7 38.5

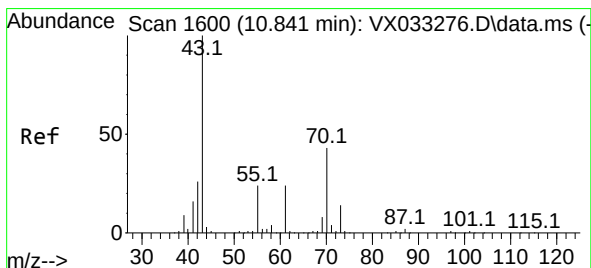
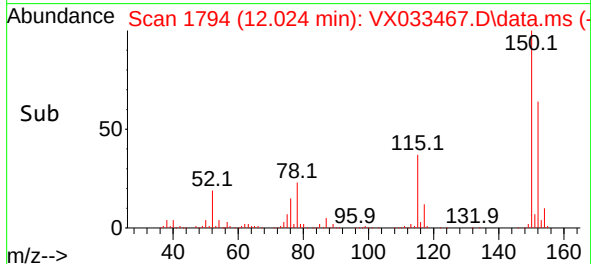
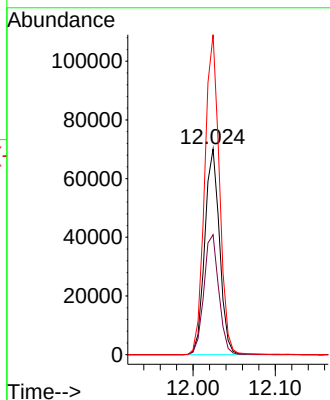
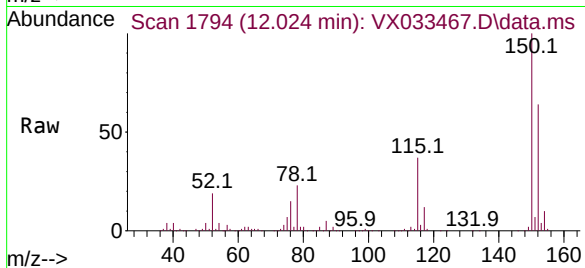




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX033467.D
Acq: 16 Dec 2022 17:46

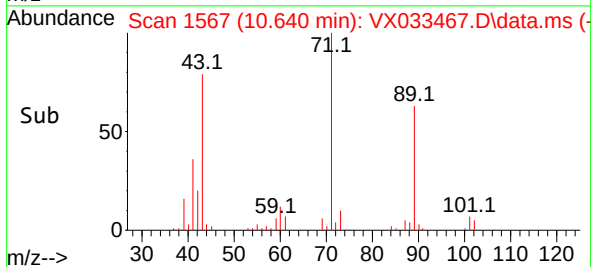
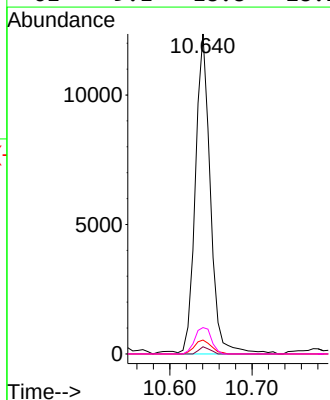
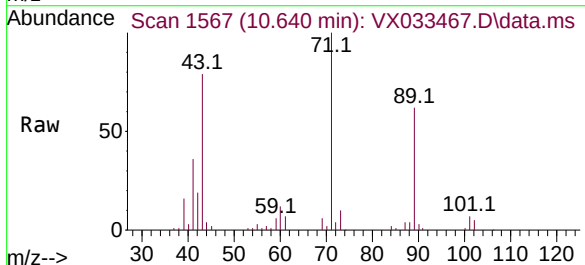
Instrument :
MSVOA_X
ClientSampleId :
FVSUB-TP7-COMP-07

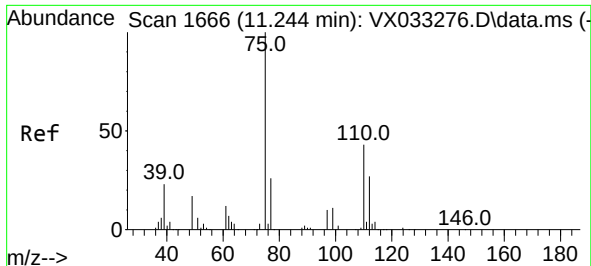
Tgt Ion:152 Resp: 87446
Ion Ratio Lower Upper
152 100
115 59.2 44.0 132.0
150 155.2 0.0 351.8



#74
N-ethyl acetate
Concen: 7.238 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.201 min
Lab File: VX033467.D
Acq: 16 Dec 2022 17:46

Tgt Ion: 43 Resp: 15653
Ion Ratio Lower Upper
43 100
70 1.7 33.6 50.4#
55 4.9 19.4 29.2#
61 9.1 18.8 28.2#

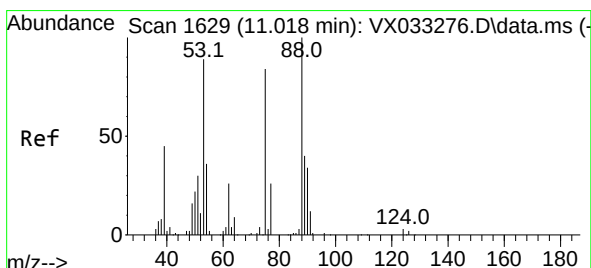
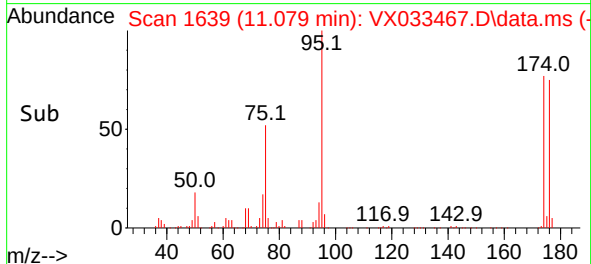
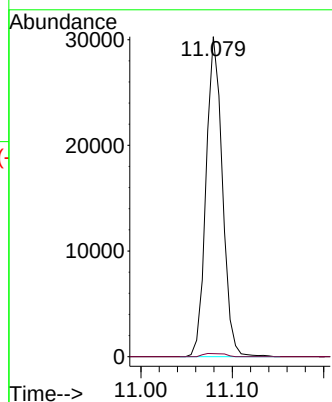
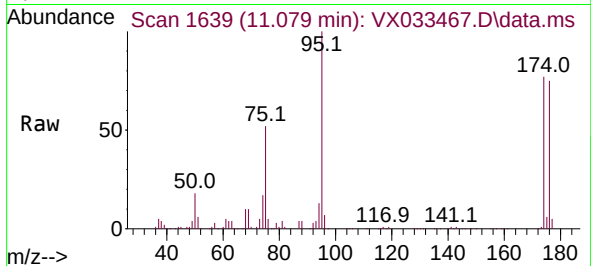




#76
1,2,3-Trichloropropane
Concen: 21.113 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.164 min
Lab File: VX033467.D
Acq: 16 Dec 2022 17:46

Instrument :
MSVOA_X
ClientSampleId :
FVSUB-TP7-COMP-07

Tgt Ion: 75 Resp: 37562
Ion Ratio Lower Upper
75 100
77 1.3 20.0 60.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 65.676 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX033467.D
Acq: 16 Dec 2022 17:46

Tgt Ion: 75 Resp: 37562
Ion Ratio Lower Upper
75 100
53 0.0 86.9 130.3#
89 0.0 38.3 57.5#

