

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121622\
 Data File : VX033466.D
 Acq On : 16 Dec 2022 17:23
 Operator : JC/MD
 Sample : N6071-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 FVSUB-TP4-COMP-04

Quant Time: Dec 17 08:11:44 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)

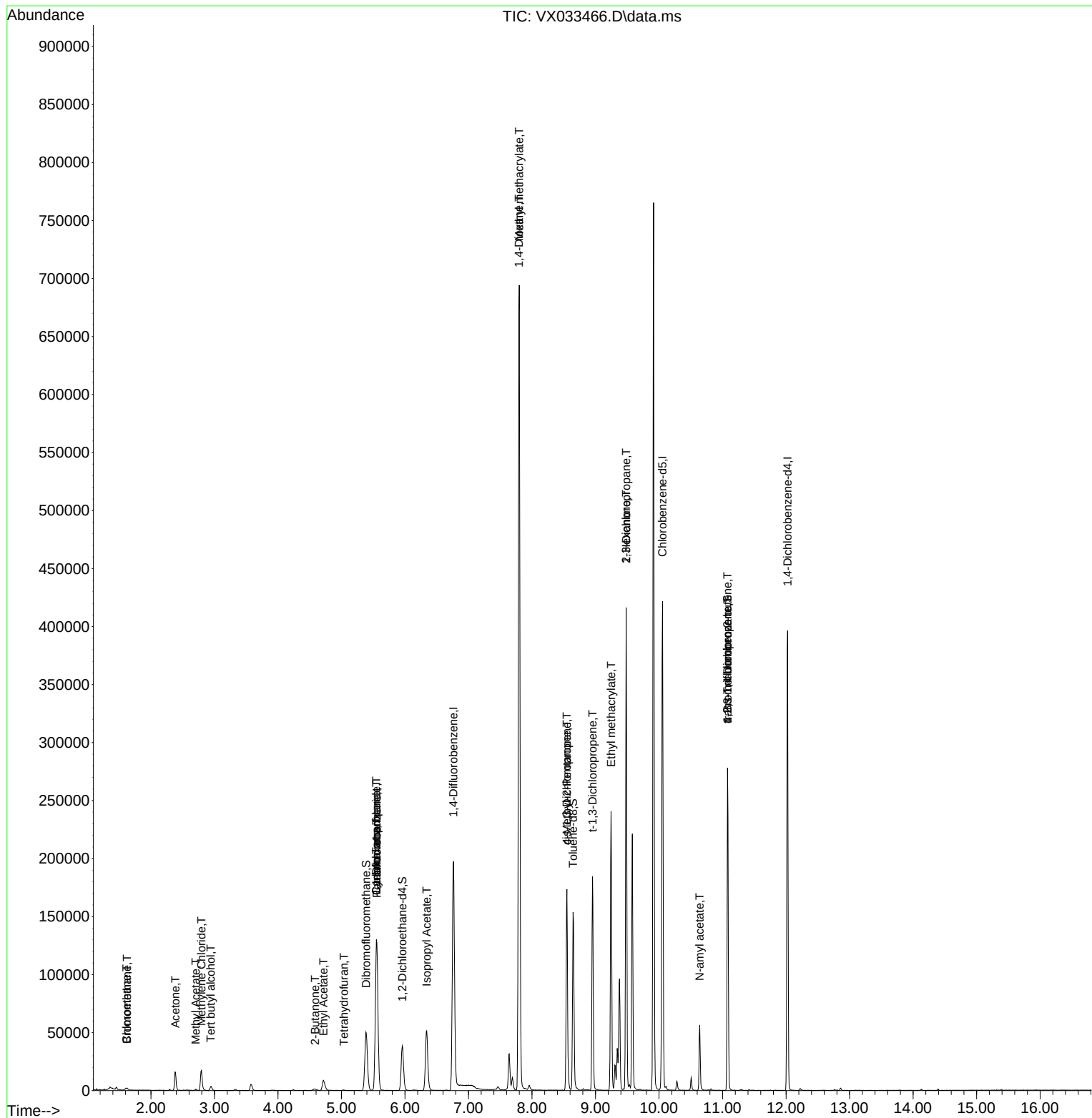
Internal Standards						
1) Pentafluorobenzene	5.556	168	126396	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	205002	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	193395	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	85128	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	40011	49.343	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	98.680%
35) Dibromofluoromethane	5.385	113	44319	48.065	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	96.140%
50) Toluene-d8	8.647	98	92274	47.838	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	95.680%
62) 4-Bromofluorobenzene	11.079	95	70763	47.979	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	95.960%
Target Compounds						
					Qvalue	
5) Bromomethane	1.624	94	173	0.202	ug/l	91
6) Chloroethane	1.618	64	218	0.247	ug/l #	42
11) Tert butyl alcohol	2.941	59	2421	9.766	ug/l #	72
16) Acetone	2.386	43	18849	31.414	ug/l	99
18) Methyl Acetate	2.703	43	1395	0.803	ug/l #	89
20) Methylene Chloride	2.794	84	9027	6.746	ug/l	94
25) 2-Butanone	4.587	43	1976	2.294	ug/l	94
29) Tetrahydrofuran	5.038	42	437	0.783	ug/l #	50
31) Cyclohexane	5.550	56	2310	1.199	ug/l #	1
36) 1,1-Dichloropropene	5.550	75	9318	5.183	ug/l #	50
37) Ethyl Acetate	4.715	43	16123	9.488	ug/l	98
38) Carbon Tetrachloride	5.550	117	13081	6.494	ug/l #	14
43) Isopropyl Acetate	6.342	43	71182	26.034	ug/l	99
48) Methyl methacrylate	7.799	41	61535	43.606	ug/l #	43
49) 1,4-Dioxane	7.793	88	98	3.045	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	58309	33.722	ug/l #	49
53) t-1,3-Dichloropropene	8.952	75	378	2.673	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	27177	12.830	ug/l #	59
56) Ethyl methacrylate	9.244	69	617	0.308	ug/l #	1
57) 1,3-Dichloropropane	9.482	76	3488	1.524	ug/l #	42
59) 2-Hexanone	9.482	43	45910	36.030	ug/l #	52
74) N-amyl acetate	10.640	43	14122	6.708	ug/l #	53
76) 1,2,3-Trichloropropane	11.079	75	36796	21.246	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.079	75	36796	66.088	ug/l #	6

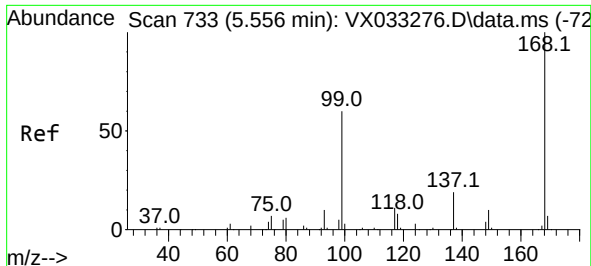
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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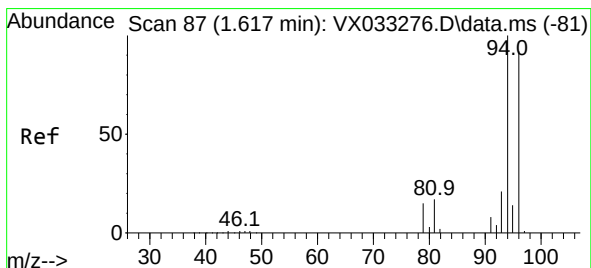
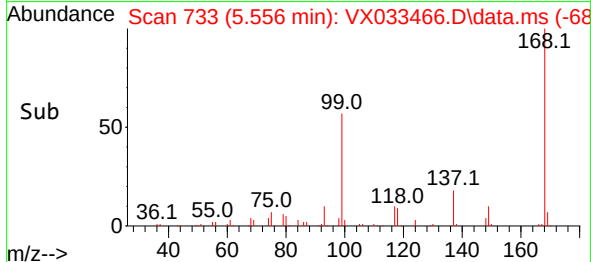
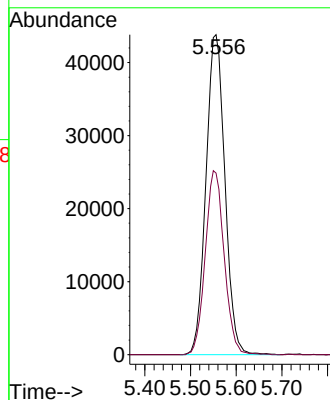
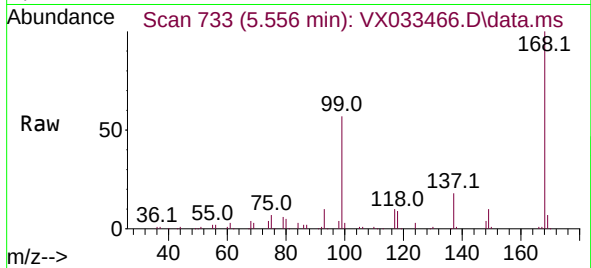




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX033466.D
Acq: 16 Dec 2022 17:23

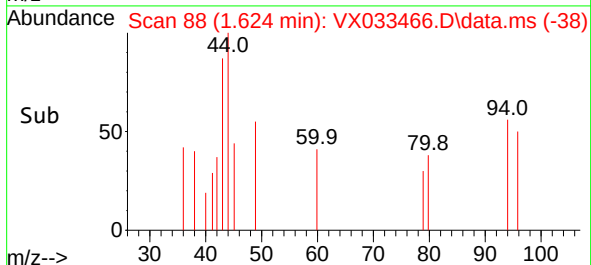
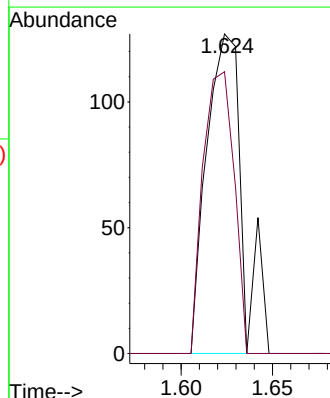
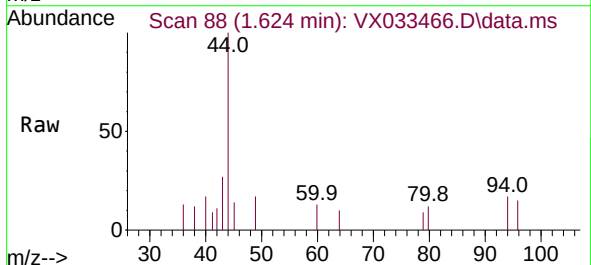
Instrument :
MSVOA_X
ClientSampleId :
FVSUB-TP4-COMP-04

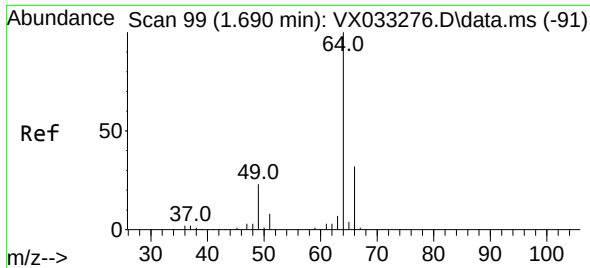
Tgt Ion:168 Resp: 126396
Ion Ratio Lower Upper
168 100
99 56.8 46.1 69.1



#5
Bromomethane
Concen: 0.202 ug/l
RT: 1.624 min Scan# 88
Delta R.T. 0.006 min
Lab File: VX033466.D
Acq: 16 Dec 2022 17:23

Tgt Ion: 94 Resp: 173
Ion Ratio Lower Upper
94 100
96 88.2 77.6 116.4

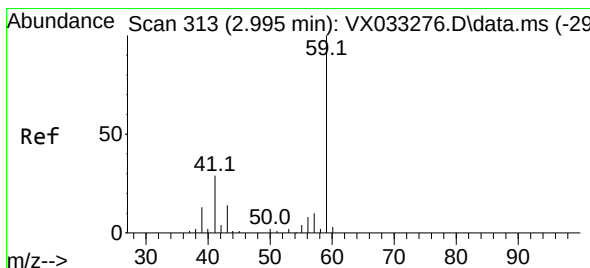
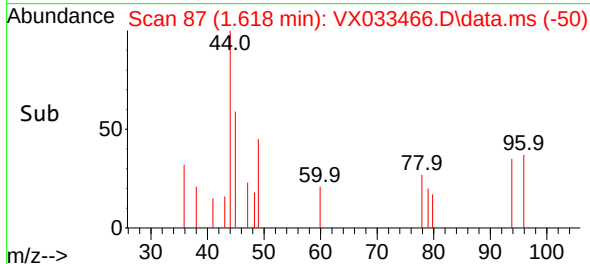
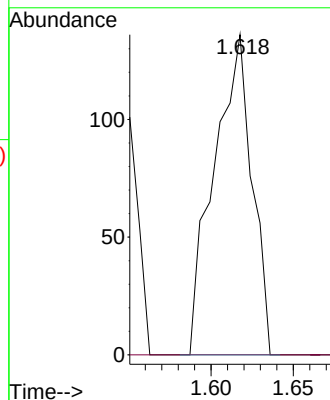
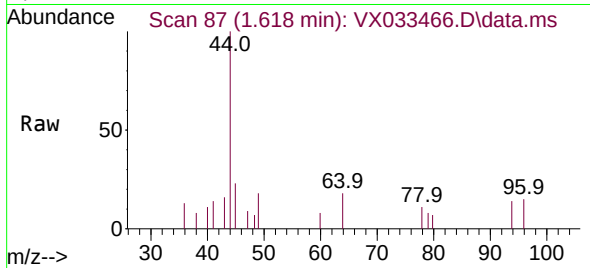




#6
Chloroethane
Concen: 0.247 ug/l
RT: 1.618 min Scan# 81
Delta R.T. -0.073 min
Lab File: VX033466.D
Acq: 16 Dec 2022 17:23

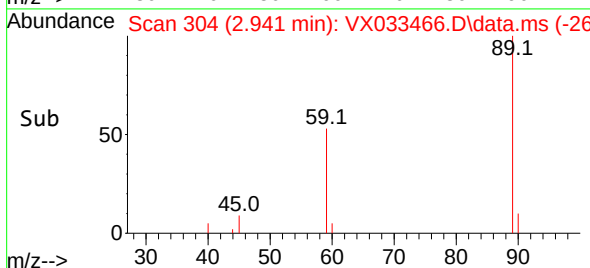
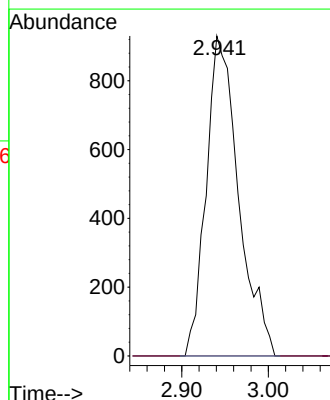
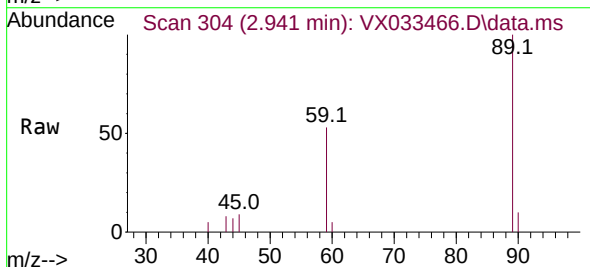
Instrument :
MSVOA_X
ClientSampleId :
FVSUB-TP4-COMP-04

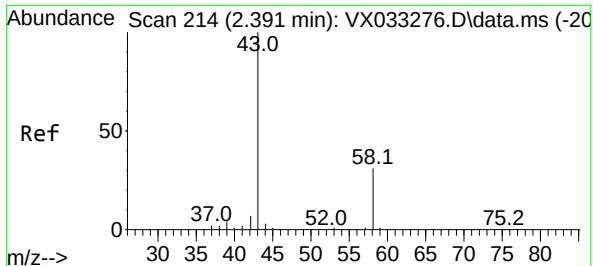
Tgt Ion: 64 Resp: 218
Ion Ratio Lower Upper
64 100
66 0.0 26.0 39.0#



#11
Tert butyl alcohol
Concen: 9.766 ug/l
RT: 2.941 min Scan# 304
Delta R.T. -0.054 min
Lab File: VX033466.D
Acq: 16 Dec 2022 17:23

Tgt Ion: 59 Resp: 2421
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#

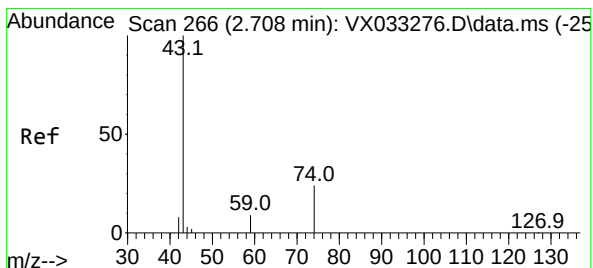
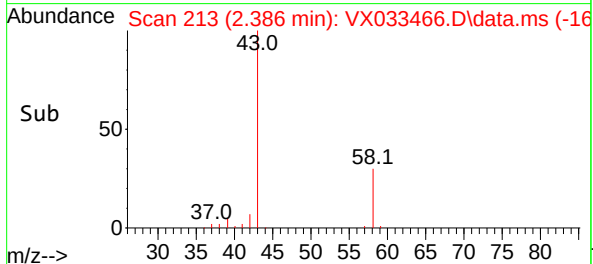
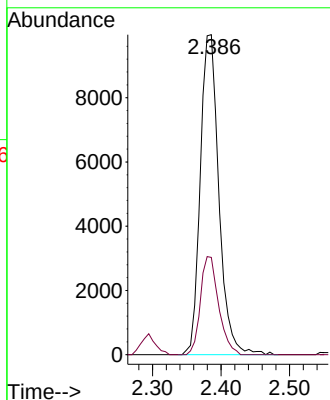
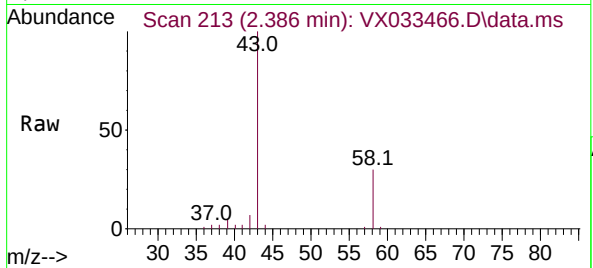




#16
Acetone
Concen: 31.414 ug/l
RT: 2.386 min Scan# 214
Delta R.T. -0.006 min
Lab File: VX033466.D
Acq: 16 Dec 2022 17:23

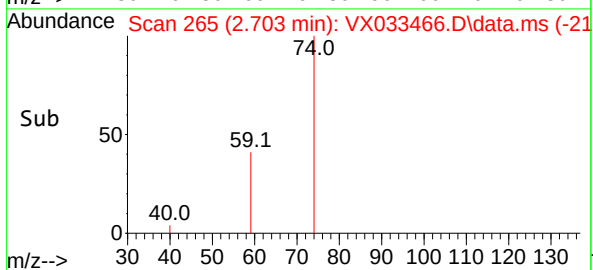
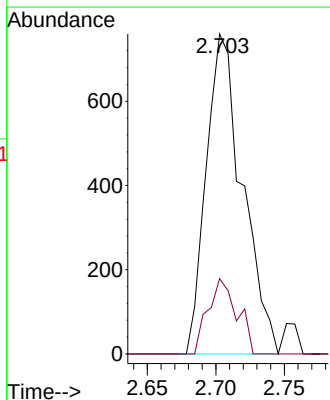
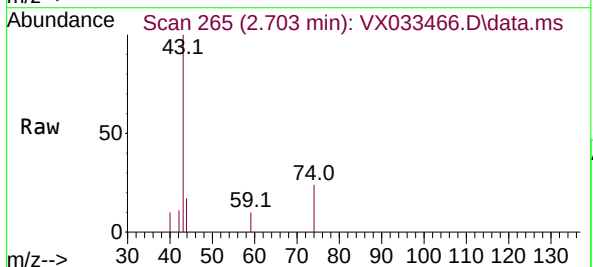
Instrument :
MSVOA_X
ClientSampleId :
FVSUB-TP4-COMP-04

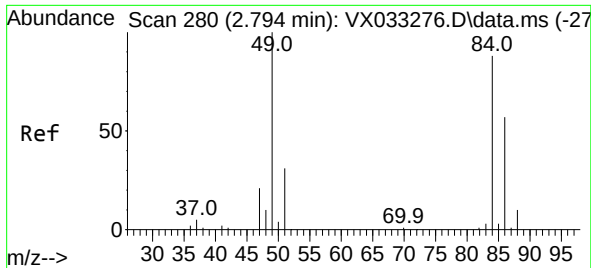
Tgt Ion: 43 Resp: 18849
Ion Ratio Lower Upper
43 100
58 30.4 23.8 35.8



#18
Methyl Acetate
Concen: 0.803 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.006 min
Lab File: VX033466.D
Acq: 16 Dec 2022 17:23

Tgt Ion: 43 Resp: 1395
Ion Ratio Lower Upper
43 100
74 18.9 19.4 29.0#

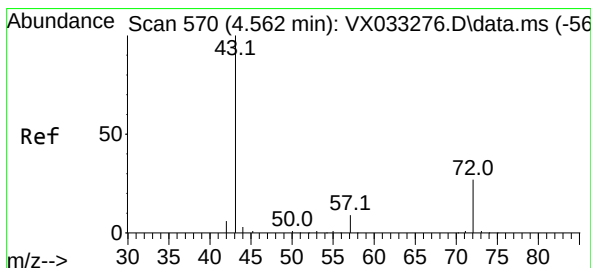
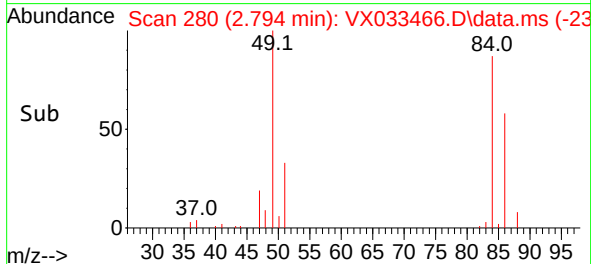
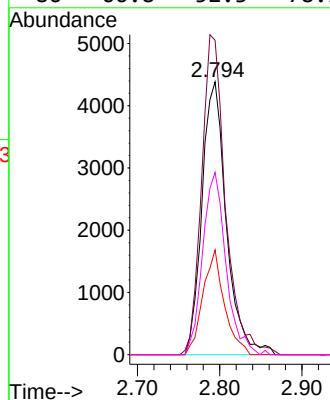
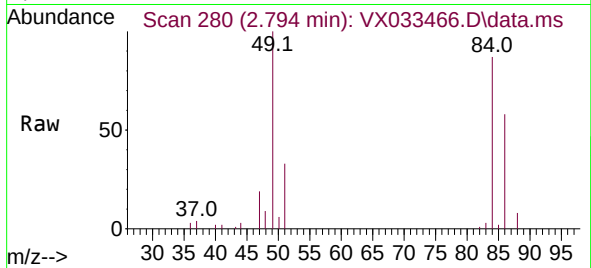




#20
Methylene Chloride
Concen: 6.746 ug/l
RT: 2.794 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX033466.D
Acq: 16 Dec 2022 17:23

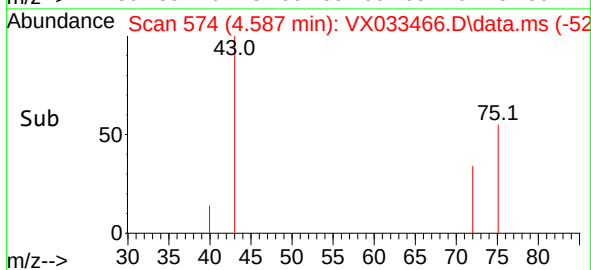
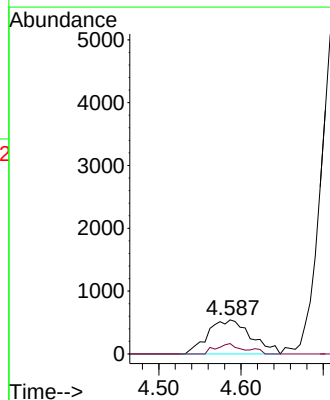
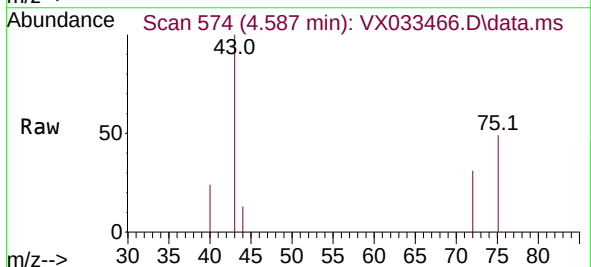
Instrument :
MSVOA_X
ClientSampleId :
FVSUB-TP4-COMP-04

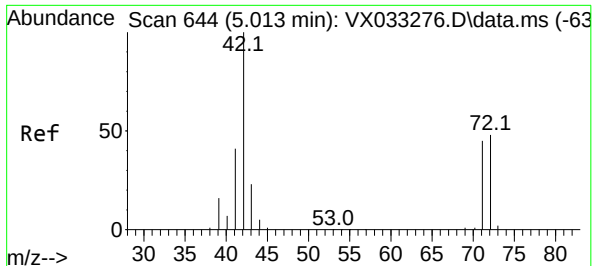
Tgt Ion: 84	Resp: 9027
Ion Ratio	Lower Upper
84 100	
49 115.3	101.0 151.6
51 38.4	31.1 46.7
86 66.8	52.3 78.5



#25
2-Butanone
Concen: 2.294 ug/l
RT: 4.587 min Scan# 574
Delta R.T. 0.025 min
Lab File: VX033466.D
Acq: 16 Dec 2022 17:23

Tgt Ion: 43	Resp: 1976
Ion Ratio	Lower Upper
43 100	
72 30.6	22.2 33.2





#29

Tetrahydrofuran

Concen: 0.783 ug/l

RT: 5.038 min Scan# 644

Delta R.T. 0.025 min

Lab File: VX033466.D

Acq: 16 Dec 2022 17:23

Instrument :

MSVOA_X

ClientSampleId :

FVSUB-TP4-COMP-04

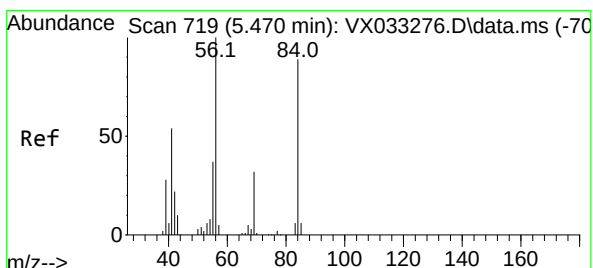
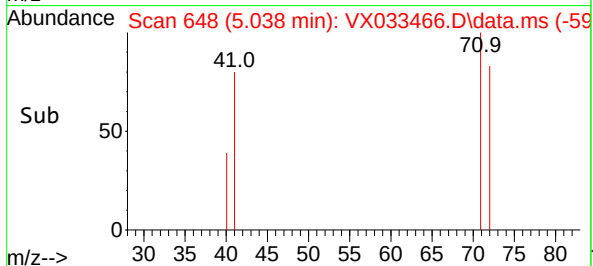
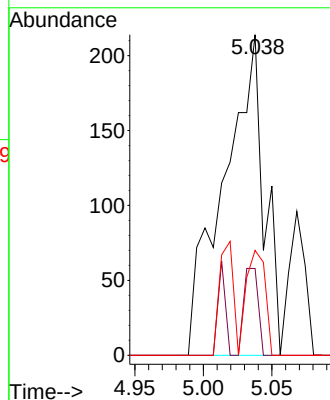
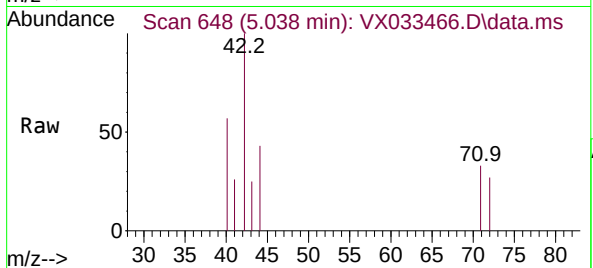
Tgt Ion: 42 Resp: 437

Ion Ratio Lower Upper

42 100

72 9.6 37.6 56.4#

71 15.3 34.7 52.1#



#31

Cyclohexane

Concen: 1.199 ug/l

RT: 5.550 min Scan# 732

Delta R.T. 0.080 min

Lab File: VX033466.D

Acq: 16 Dec 2022 17:23

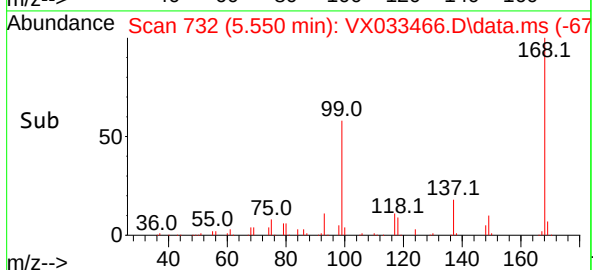
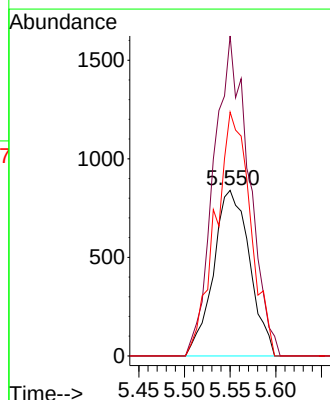
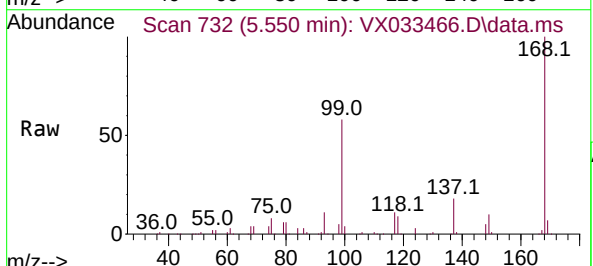
Tgt Ion: 56 Resp: 2310

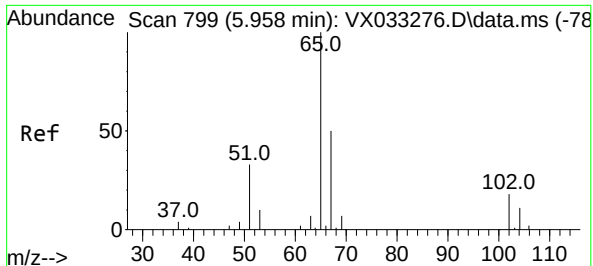
Ion Ratio Lower Upper

56 100

69 193.2 24.1 36.1#

84 147.3 66.9 100.3#





#33

1,2-Dichloroethane-d4

Concen: 49.343 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX033466.D

Acq: 16 Dec 2022 17:23

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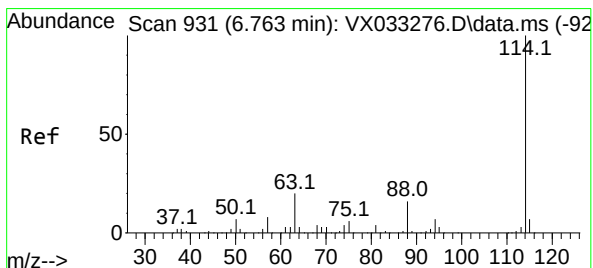
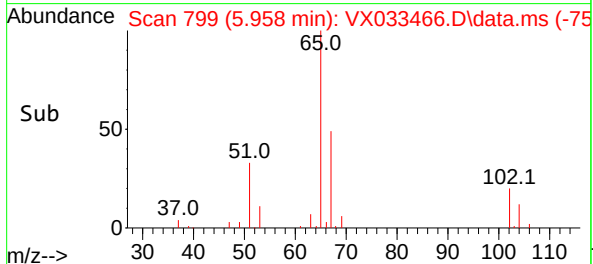
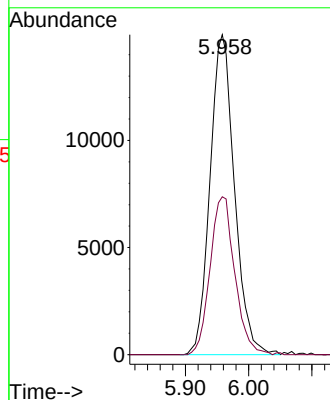
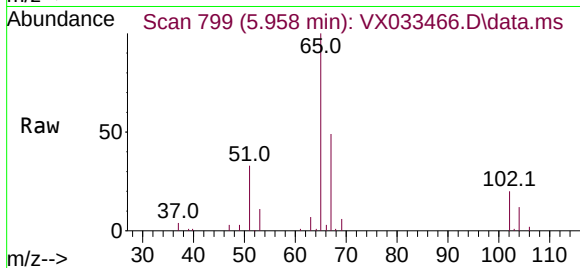
FVSUB-TP4-COMP-04

Tgt Ion: 65 Resp: 40011

Ion Ratio Lower Upper

65 100

67 49.8 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: VX033466.D

Acq: 16 Dec 2022 17:23

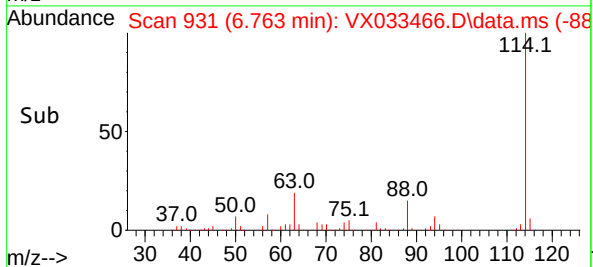
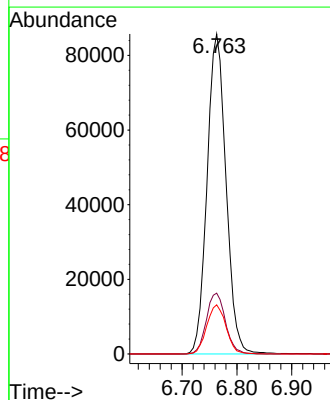
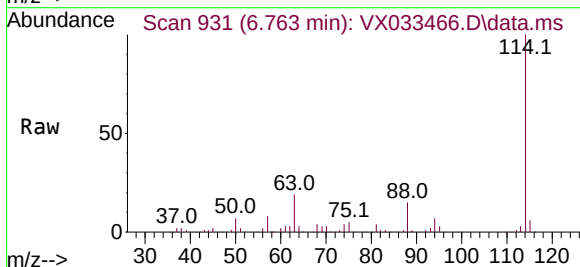
Tgt Ion: 114 Resp: 205002

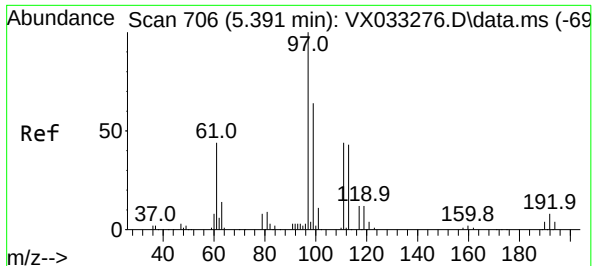
Ion Ratio Lower Upper

114 100

63 19.0 0.0 41.6

88 15.4 0.0 33.4





#35

Dibromofluoromethane

Concen: 48.065 ug/l

RT: 5.385 min Scan# 705

Delta R.T. -0.006 min

Lab File: VX033466.D

Acq: 16 Dec 2022 17:23

Instrument :

MSVOA_X

ClientSampleId :

FVSUB-TP4-COMP-04

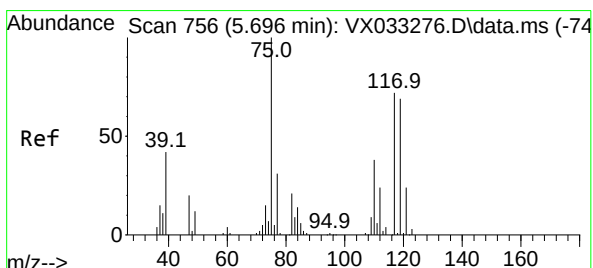
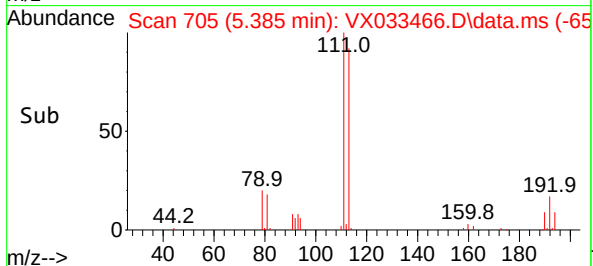
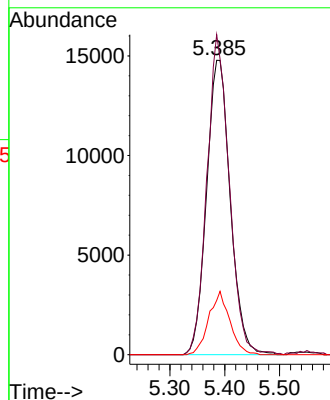
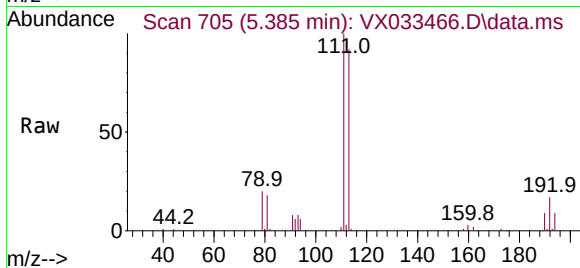
Tgt Ion:113 Resp: 44319

Ion Ratio Lower Upper

113 100

111 102.2 82.4 123.6

192 19.2 15.4 23.2



#36

1,1-Dichloropropene

Concen: 5.183 ug/l

RT: 5.550 min Scan# 732

Delta R.T. -0.146 min

Lab File: VX033466.D

Acq: 16 Dec 2022 17:23

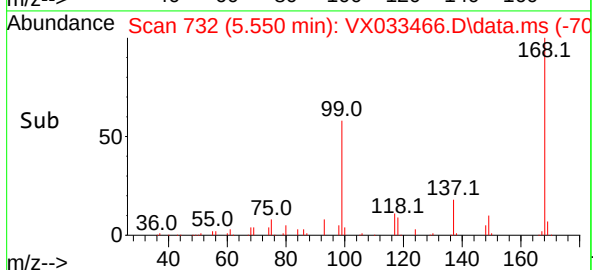
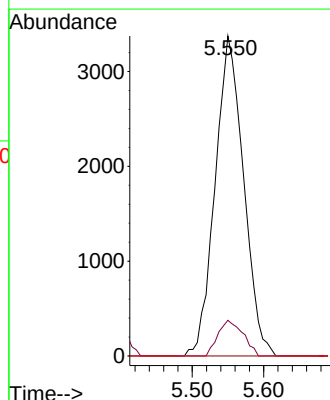
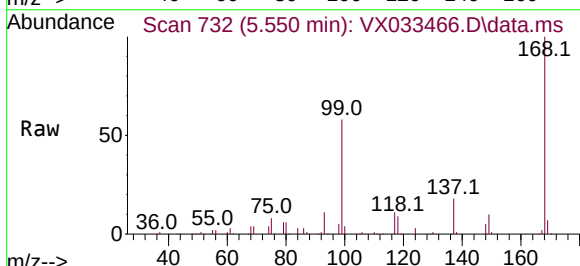
Tgt Ion: 75 Resp: 9318

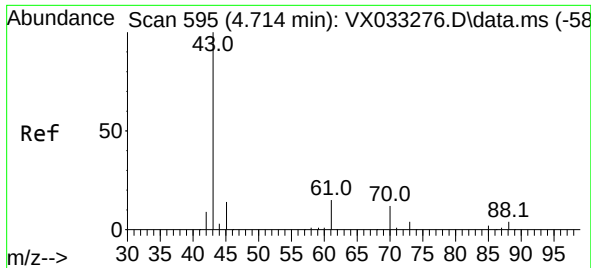
Ion Ratio Lower Upper

75 100

110 9.8 18.4 55.2#

77 0.0 24.5 36.7#

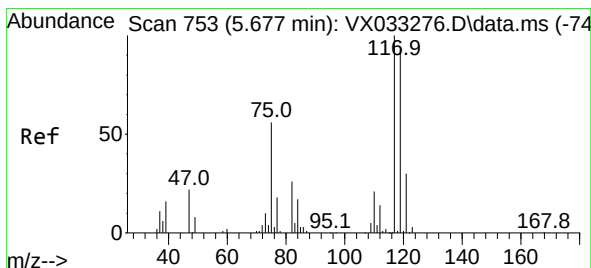
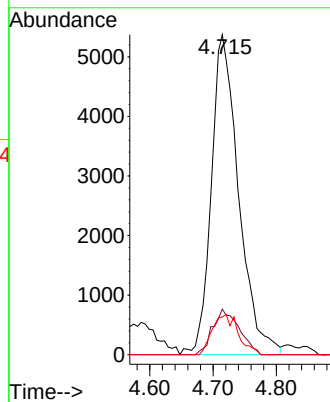
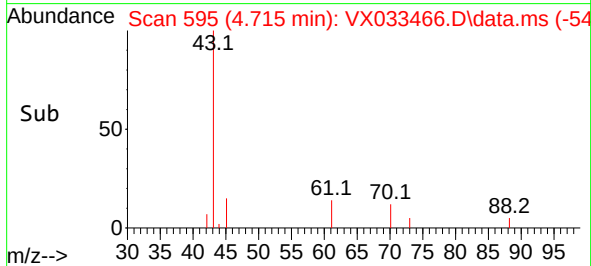
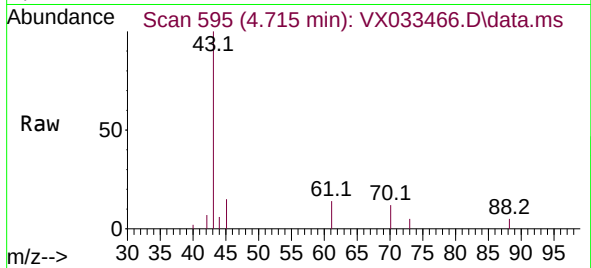




#37
Ethyl Acetate
Concen: 9.488 ug/l
RT: 4.715 min Scan# 595
Delta R.T. 0.000 min
Lab File: VX033466.D
Acq: 16 Dec 2022 17:23

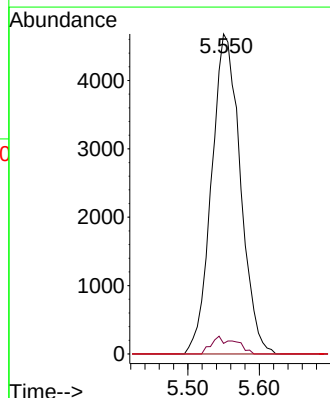
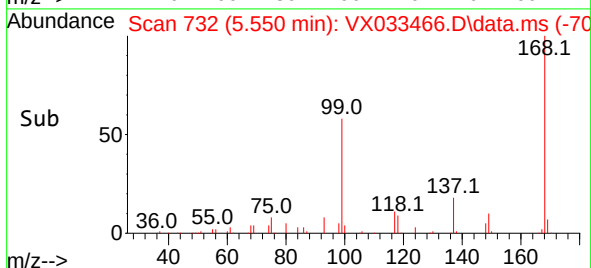
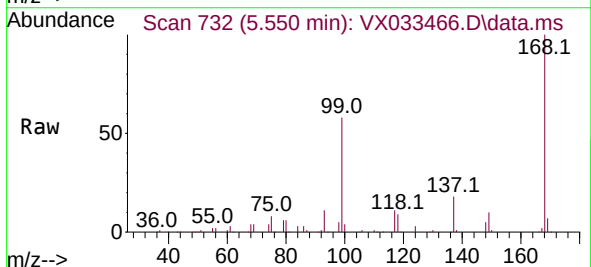
Instrument :
MSVOA_X
ClientSampleId :
FVSUB-TP4-COMP-04

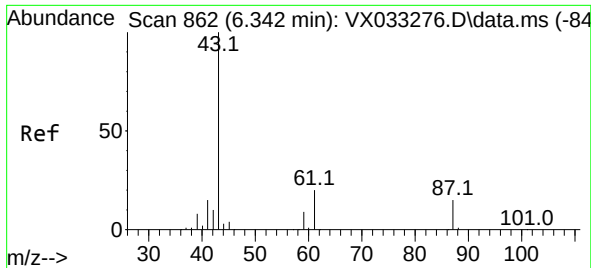
Tgt Ion:	43	Resp:	16123
Ion	Ratio	Lower	Upper
43	100		
61	13.7	11.5	17.3
70	12.0	9.1	13.7



#38
Carbon Tetrachloride
Concen: 6.494 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.128 min
Lab File: VX033466.D
Acq: 16 Dec 2022 17:23

Tgt Ion:	117	Resp:	13081
Ion	Ratio	Lower	Upper
117	100		
119	3.3	77.2	115.8#
121	0.0	25.8	38.6#

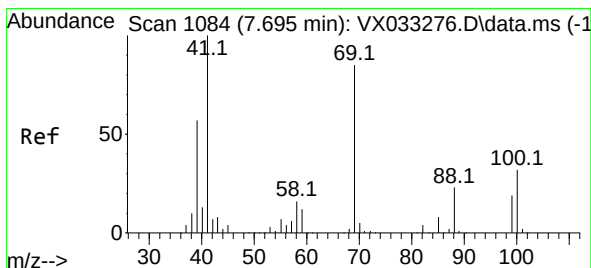
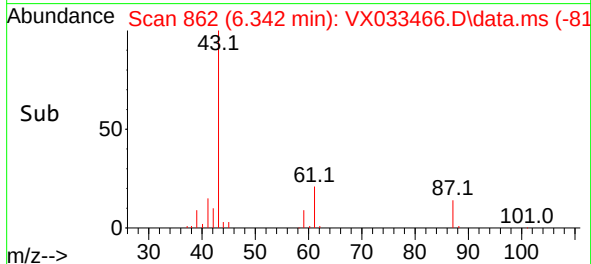
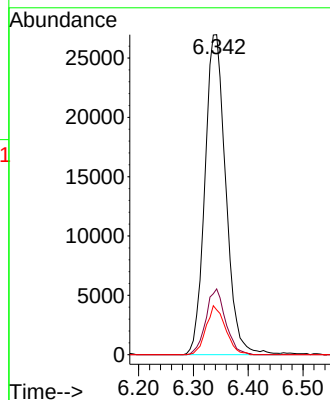
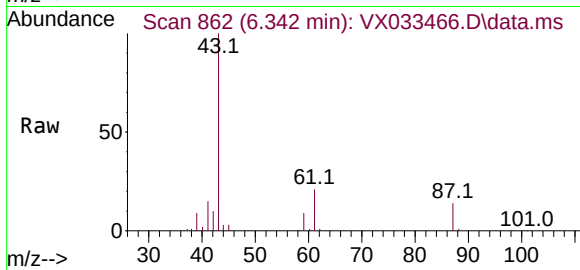




#43
Isopropyl Acetate
Concen: 26.034 ug/l
RT: 6.342 min Scan# 81
Delta R.T. 0.000 min
Lab File: VX033466.D
Acq: 16 Dec 2022 17:23

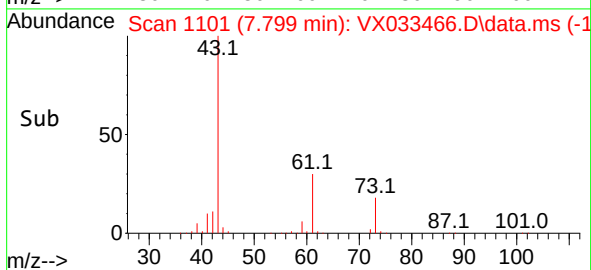
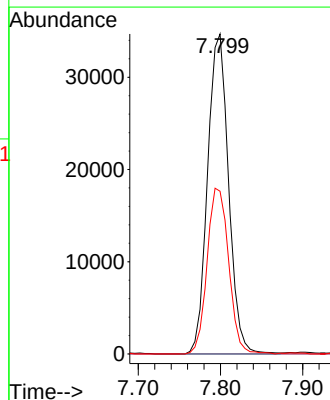
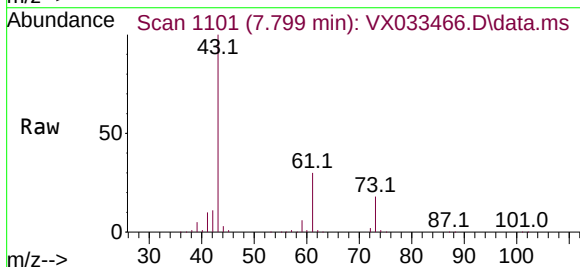
Instrument :
MSVOA_X
ClientSampleId :
FVSUB-TP4-COMP-04

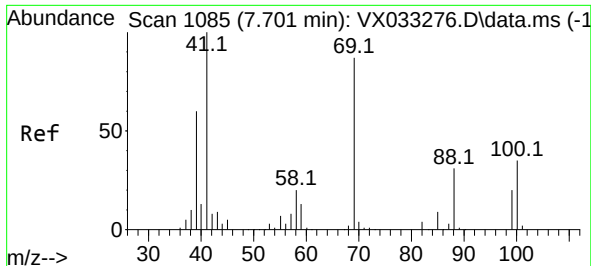
Tgt Ion: 43 Resp: 71182
Ion Ratio Lower Upper
43 100
61 19.5 15.4 23.0
87 14.2 10.8 16.2



#48
Methyl methacrylate
Concen: 43.606 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.104 min
Lab File: VX033466.D
Acq: 16 Dec 2022 17:23

Tgt Ion: 41 Resp: 61535
Ion Ratio Lower Upper
41 100
69 0.0 65.1 97.7#
39 53.2 51.9 77.9





#49

1,4-Dioxane

Concen: 3.045 ug/l

RT: 7.793 min Scan# 1100

Delta R.T. 0.092 min

Lab File: VX033466.D

Acq: 16 Dec 2022 17:23

Instrument :

MSVOA_X

ClientSampleId :

FVSUB-TP4-COMP-04

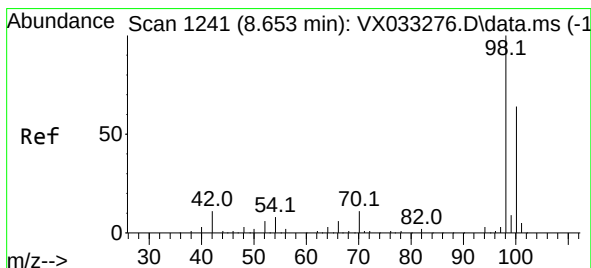
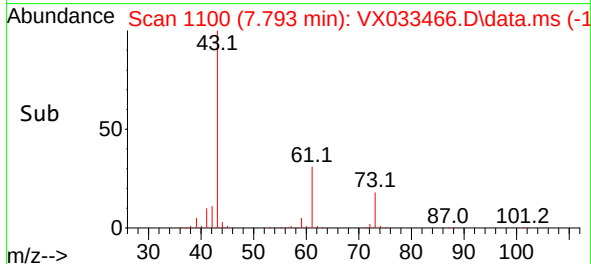
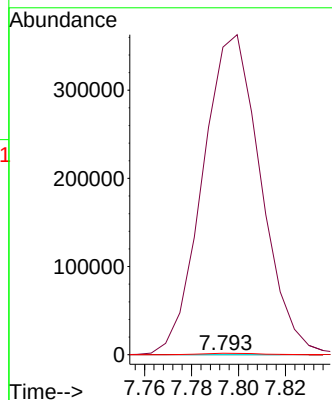
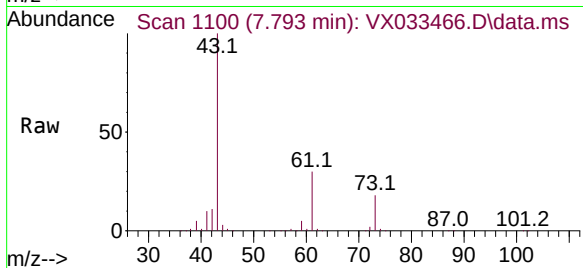
Tgt Ion: 88 Resp: 98

Ion Ratio Lower Upper

88 100

43 644048.0 26.6 39.8#

58 2763.3 51.7 77.5#



#50

Toluene-d8

Concen: 47.838 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. -0.006 min

Lab File: VX033466.D

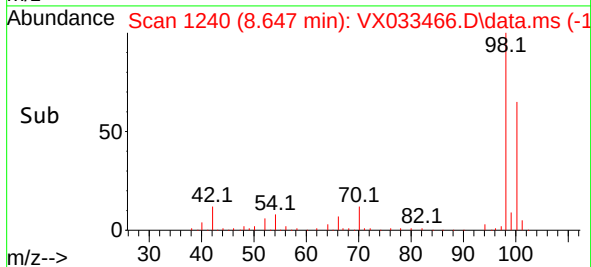
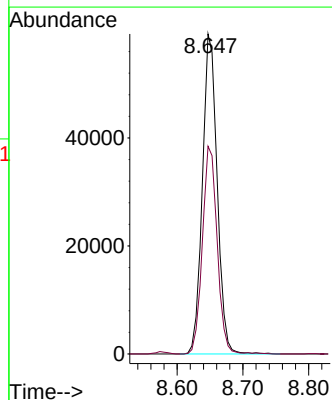
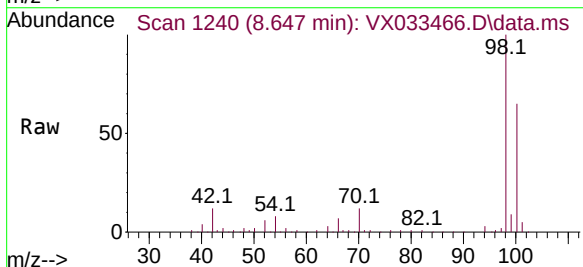
Acq: 16 Dec 2022 17:23

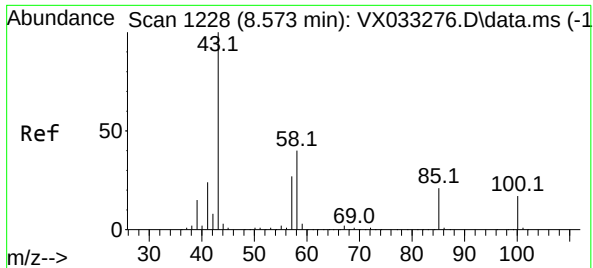
Tgt Ion: 98 Resp: 92274

Ion Ratio Lower Upper

98 100

100 64.9 50.9 76.3

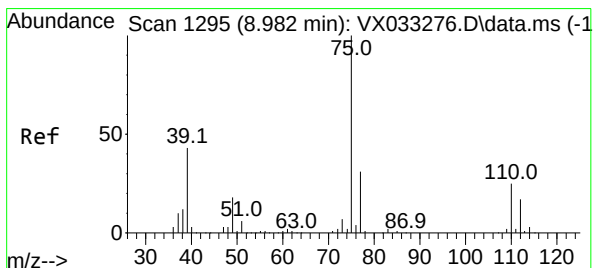
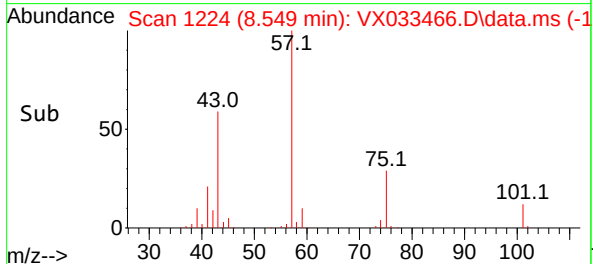
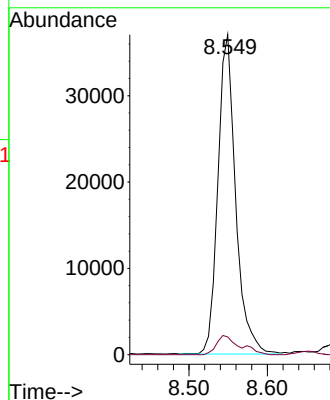
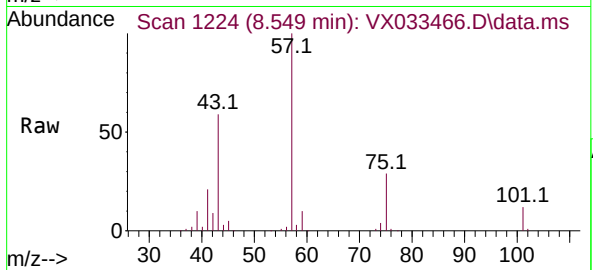




#51
4-Methyl-2-Pentanone
Concen: 33.722 ug/l
RT: 8.549 min Scan# 11
Delta R.T. -0.024 min
Lab File: VX033466.D
Acq: 16 Dec 2022 17:23

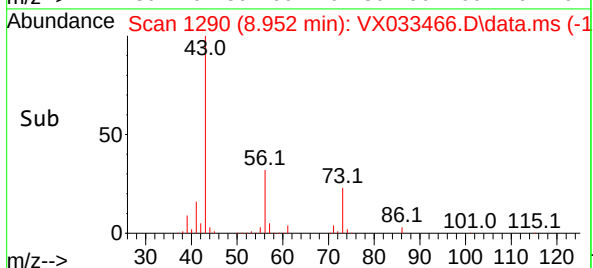
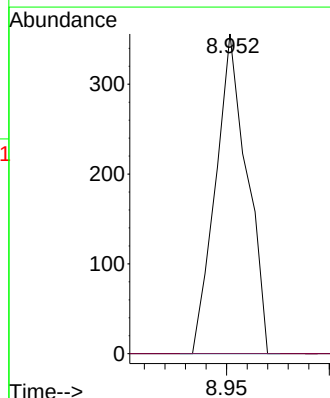
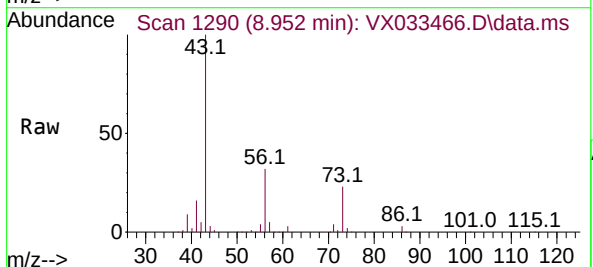
Instrument :
MSVOA_X
ClientSampleId :
FVSUB-TP4-COMP-04

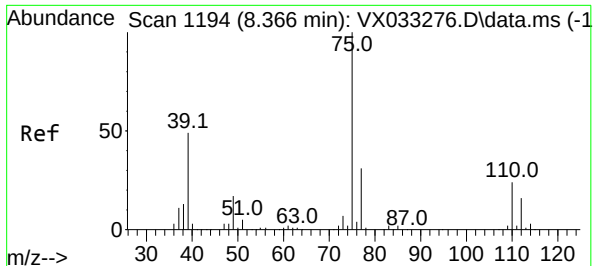
Tgt Ion: 43 Resp: 58309
Ion Ratio Lower Upper
43 100
58 7.9 30.9 46.3#



#53
t-1,3-Dichloropropene
Concen: 2.673 ug/l
RT: 8.952 min Scan# 1290
Delta R.T. -0.030 min
Lab File: VX033466.D
Acq: 16 Dec 2022 17:23

Tgt Ion: 75 Resp: 378
Ion Ratio Lower Upper
75 100
77 0.0 25.1 37.7#

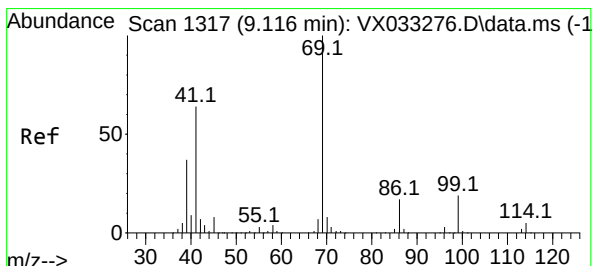
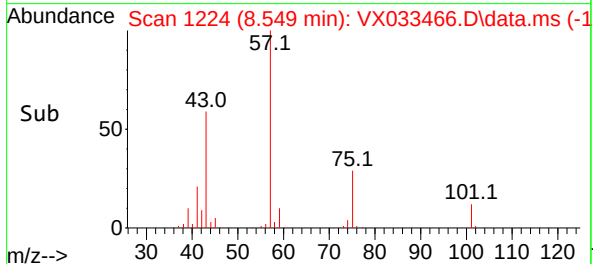
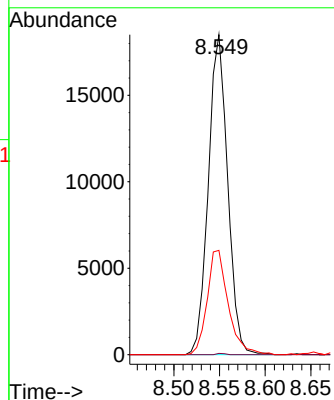
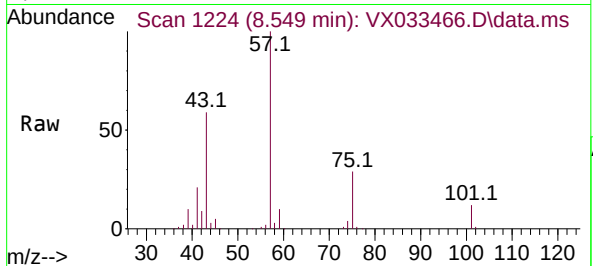




#54
 cis-1,3-Dichloropropene
 Concen: 12.830 ug/l
 RT: 8.549 min Scan# 1194
 Delta R.T. 0.183 min
 Lab File: VX033466.D
 Acq: 16 Dec 2022 17:23

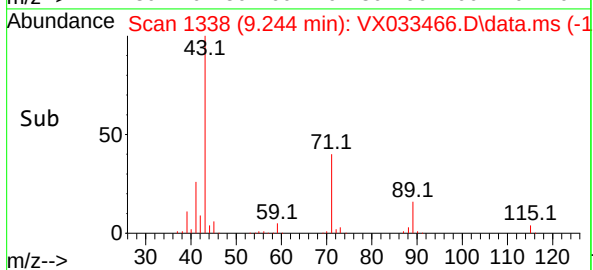
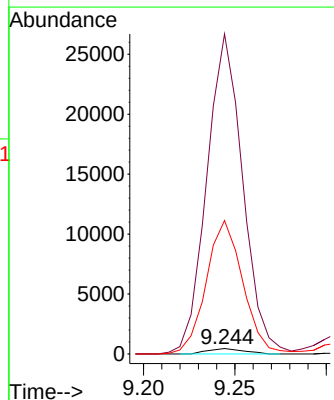
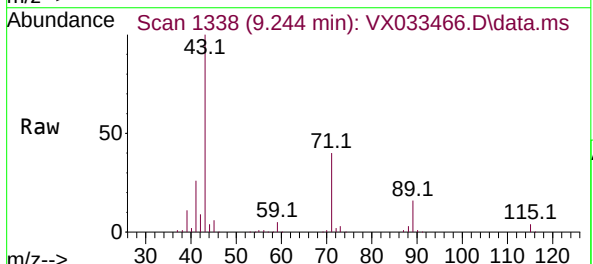
Instrument :
 MSVOA_X
 ClientSampleId :
 FVSUB-TP4-COMP-04

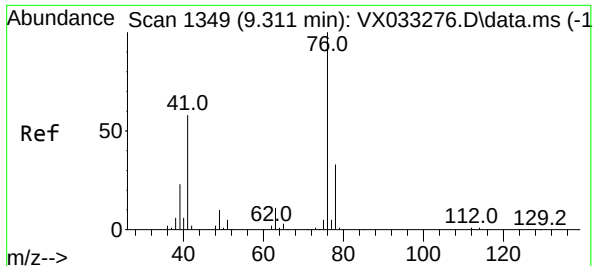
Tgt Ion: 75 Resp: 27177
 Ion Ratio Lower Upper
 75 100
 77 0.4 25.1 37.7#
 39 32.6 45.5 68.3#



#56
 Ethyl methacrylate
 Concen: 0.308 ug/l
 RT: 9.244 min Scan# 1338
 Delta R.T. 0.128 min
 Lab File: VX033466.D
 Acq: 16 Dec 2022 17:23

Tgt Ion: 69 Resp: 617
 Ion Ratio Lower Upper
 69 100
 41 5938.1 54.3 81.5#
 39 2520.4 35.2 52.8#





#57

1,3-Dichloropropane

Concen: 1.524 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.171 min

Lab File: VX033466.D

Acq: 16 Dec 2022 17:23

Instrument :

MSVOA_X

ClientSampleId :

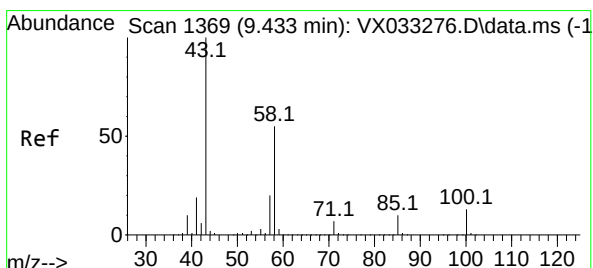
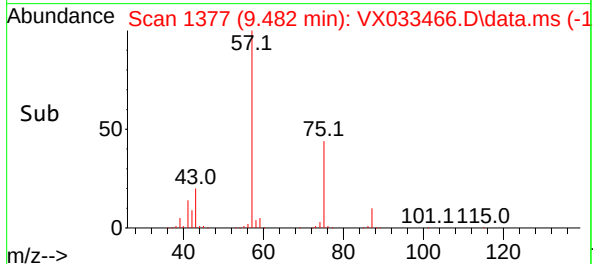
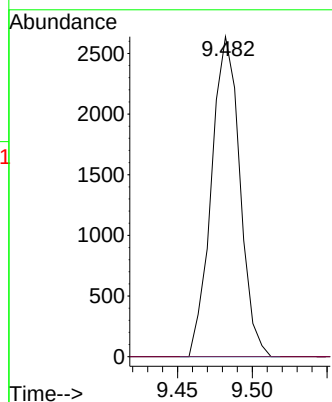
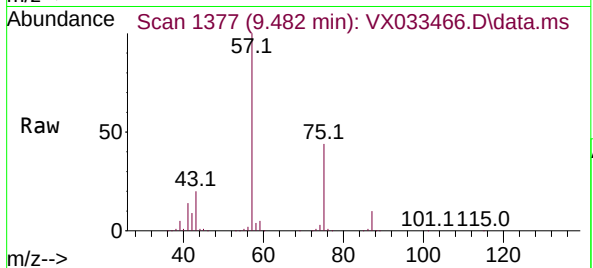
FVSUB-TP4-COMP-04

Tgt Ion: 76 Resp: 3488

Ion Ratio Lower Upper

76 100

78 0.0 26.0 39.0#



#59

2-Hexanone

Concen: 36.030 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.049 min

Lab File: VX033466.D

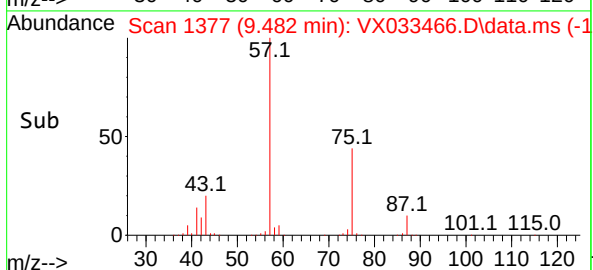
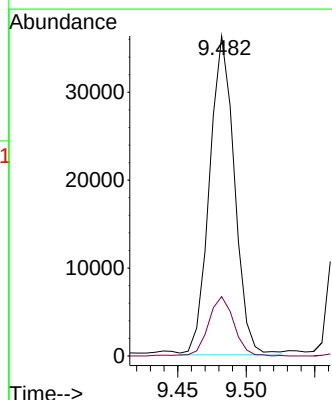
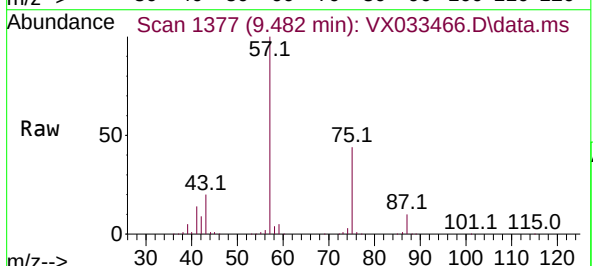
Acq: 16 Dec 2022 17:23

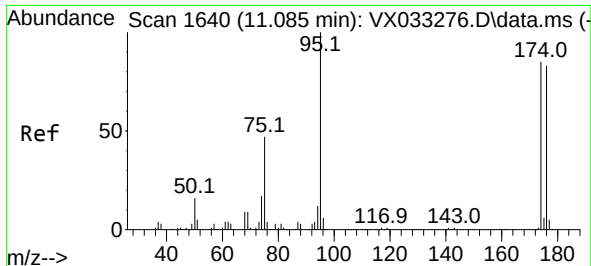
Tgt Ion: 43 Resp: 45910

Ion Ratio Lower Upper

43 100

58 19.1 26.5 79.5#

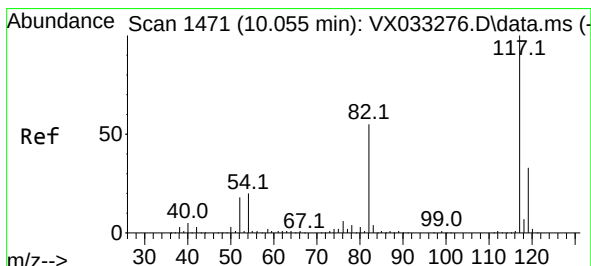
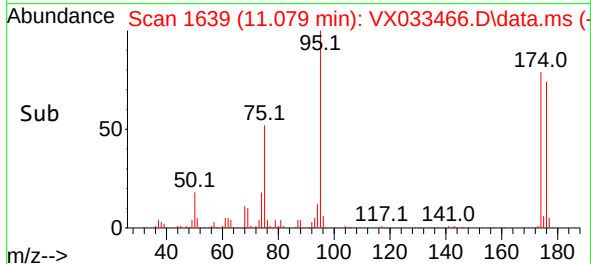
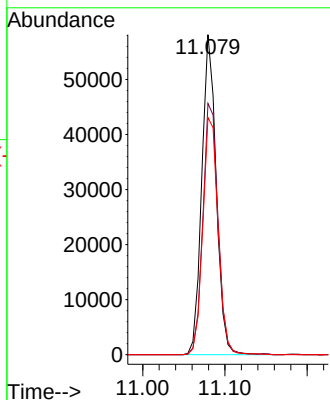
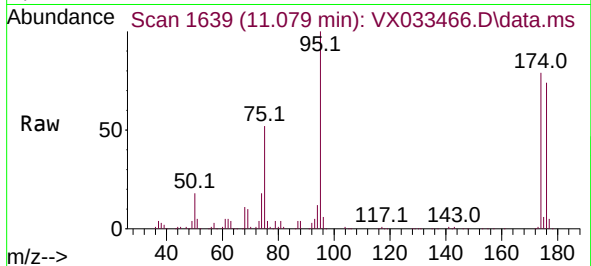




#62
4-Bromofluorobenzene
Concen: 47.979 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.006 min
Lab File: VX033466.D
Acq: 16 Dec 2022 17:23

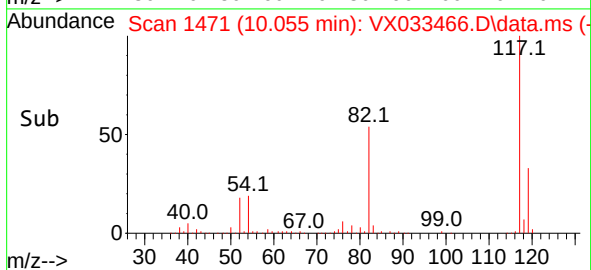
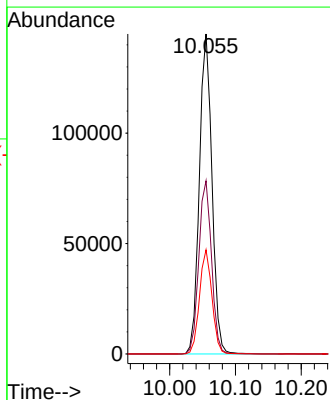
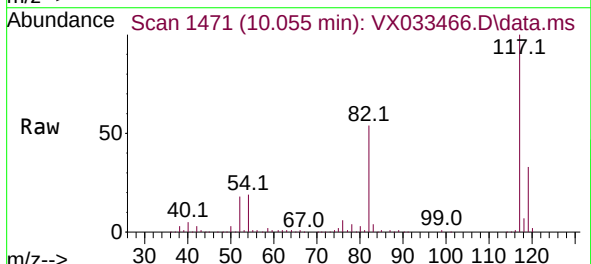
Instrument :
MSVOA_X
ClientSampleId :
FVSUB-TP4-COMP-04

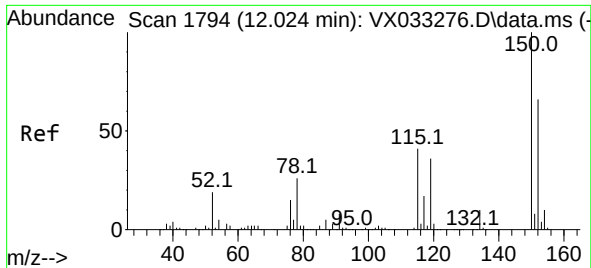
Tgt Ion: 95 Resp: 70763
Ion Ratio Lower Upper
95 100
174 82.6 0.0 164.0
176 78.9 0.0 154.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX033466.D
Acq: 16 Dec 2022 17:23

Tgt Ion: 117 Resp: 193395
Ion Ratio Lower Upper
117 100
82 54.1 44.3 66.5
119 32.6 25.7 38.5

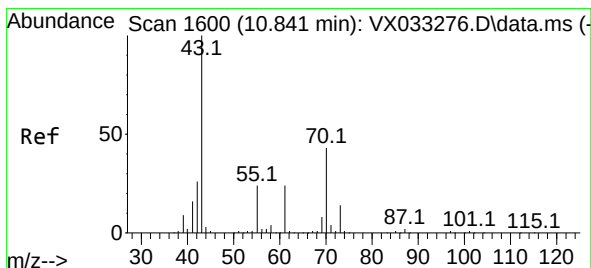
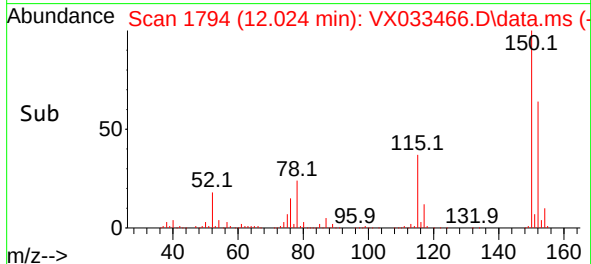
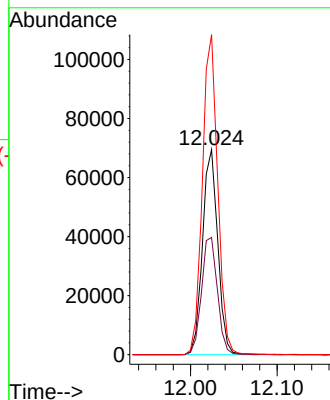
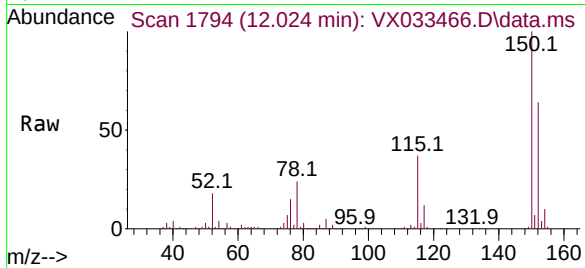




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX033466.D
Acq: 16 Dec 2022 17:23

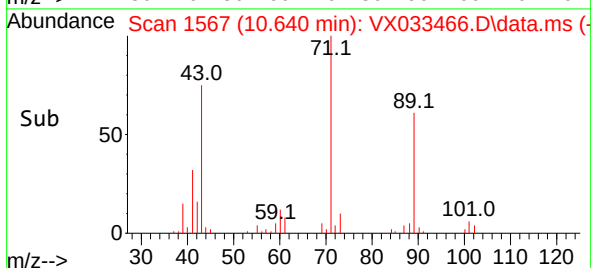
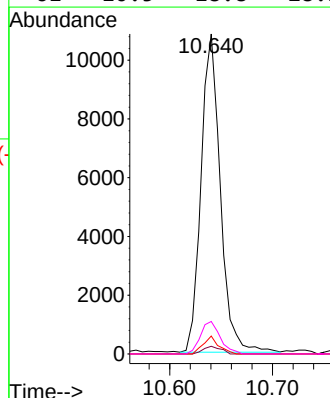
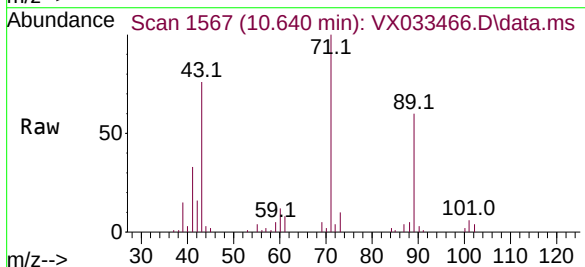
Instrument :
MSVOA_X
ClientSampleId :
FVSUB-TP4-COMP-04

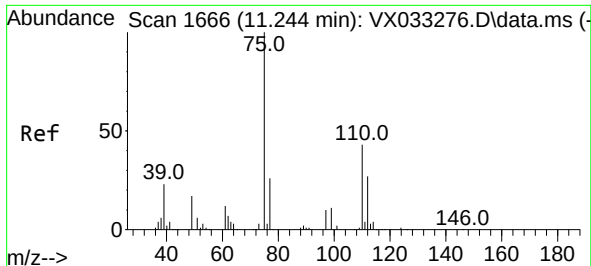
Tgt Ion:152 Resp: 85128
Ion Ratio Lower Upper
152 100
115 59.4 44.0 132.0
150 156.4 0.0 351.8



#74
N-ethyl acetate
Concen: 6.708 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.201 min
Lab File: VX033466.D
Acq: 16 Dec 2022 17:23

Tgt Ion: 43 Resp: 14122
Ion Ratio Lower Upper
43 100
70 2.2 33.6 50.4#
55 4.5 19.4 29.2#
61 10.5 18.8 28.2#

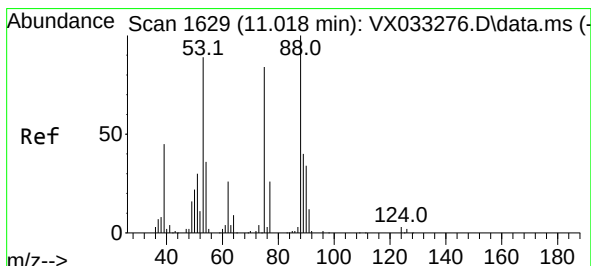
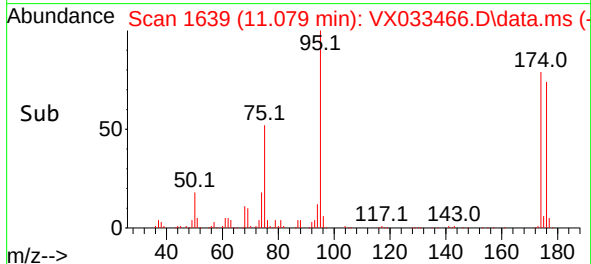
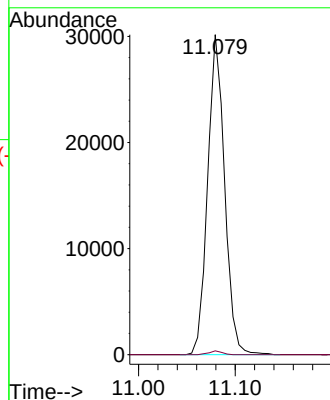
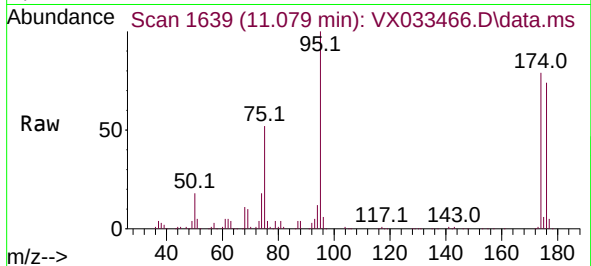




#76
1,2,3-Trichloropropane
Concen: 21.246 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.164 min
Lab File: VX033466.D
Acq: 16 Dec 2022 17:23

Instrument :
MSVOA_X
ClientSampleId :
FVSUB-TP4-COMP-04

Tgt Ion: 75 Resp: 36796
Ion Ratio Lower Upper
75 100
77 0.9 20.0 60.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 66.088 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX033466.D
Acq: 16 Dec 2022 17:23

Tgt Ion: 75 Resp: 36796
Ion Ratio Lower Upper
75 100
53 0.0 86.9 130.3#
89 0.1 38.3 57.5#

