

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091724\
 Data File : VN083968.D
 Acq On : 18 Sep 2024 07:33
 Operator : JC\MD
 Sample : P3964-07
 Misc : 7.88g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 FDF-4

Quant Time: Sep 18 07:56:17 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091024W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 11 15:18:56 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.218	168	197134	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.094	114	333678	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	282329	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	142149	50.000	ug/l	# 0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	138532	46.605	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	93.200%
35) Dibromofluoromethane	8.165	113	100577	47.083	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	94.160%
50) Toluene-d8	10.565	98	422705	57.240	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	114.480%#
62) 4-Bromofluorobenzene	12.847	95	170760	56.046	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	112.100%

Target Compounds				Qvalue		
3) Chloromethane	2.359	50	252	Below Cal	#	41
5) Bromomethane	2.895	94	505	0.351	ug/l #	6
11) Tert butyl alcohol	5.565	59	132	0.332	ug/l #	71
13) Acrolein	4.106	56	2781	7.081	ug/l #	1
14) Allyl chloride	5.100	41	10812	2.846	ug/l #	49
15) Acrylonitrile	5.800	53	14287	13.198	ug/l #	38
16) Acetone	4.383	43	107973	90.611	ug/l #	54
18) Methyl Acetate	5.253	43	338788	139.788	ug/l #	52
19) Methyl tert-butyl Ether	5.800	73	2856	0.370	ug/l #	1
20) Methylene Chloride	5.271	84	782	0.321	ug/l #	22
23) Vinyl Acetate	6.571	43	16416	2.866	ug/l #	71
24) 1,1-Dichloroethane	6.571	63	1473	0.327	ug/l #	82
25) 2-Butanone	7.489	43	33685	21.508	ug/l #	49
28) Bromochloromethane	8.000	49	2558	1.348	ug/l #	14
29) Tetrahydrofuran	7.836	42	2344	2.531	ug/l #	32
30) Chloroform	7.924	83	89782	18.769	ug/l #	17
31) Cyclohexane	8.212	56	447398	104.141	ug/l #	43
36) 1,1-Dichloropropene	8.218	75	19108	5.943	ug/l #	59
37) Ethyl Acetate	7.489	43	33685	11.542	ug/l #	72
38) Carbon Tetrachloride	8.218	117	22754	6.238	ug/l #	15
39) Methylcyclohexane	9.594	83	558375	152.573	ug/l #	67
40) Benzene	8.600	78	106754	11.031	ug/l	97
41) Methacrylonitrile	7.730	41	3696	2.141	ug/l #	23
43) Isopropyl Acetate	8.694	43	118407	22.389	ug/l #	57
45) 1,2-Dichloropropane	9.588	63	14262	6.098	ug/l #	1
47) Bromodichloromethane	9.871	83	190146	53.628	ug/l #	25
48) Methyl methacrylate	9.641	41	548074	218.429	ug/l #	43
51) 4-Methyl-2-Pentanone	10.494	43	789557	274.257	ug/l #	76
52) Toluene	10.629	92	381649	64.474	ug/l	98
55) 1,1,2-Trichloroethane	11.000	97	133862	60.574	ug/l #	3
56) Ethyl methacrylate	10.847	69	55171	16.227	ug/l #	1
58) 2-Chloroethyl Vinyl ether	10.147	63	19119	15.606	ug/l #	46
59) 2-Hexanone	11.171	43	210317	98.760	ug/l #	30
61) 1,2-Dibromoethane	11.418	107	587	0.266	ug/l #	1
65) Chlorobenzene	11.800	112	1554	0.248	ug/l #	43
66) 1,1,1,2-Tetrachloroethane	11.929	131	723	0.332	ug/l #	38

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Instrument :
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Quant Time: Sep 18 07:56:17 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091024W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 11 15:18:56 2024
 Response via : Initial Calibration

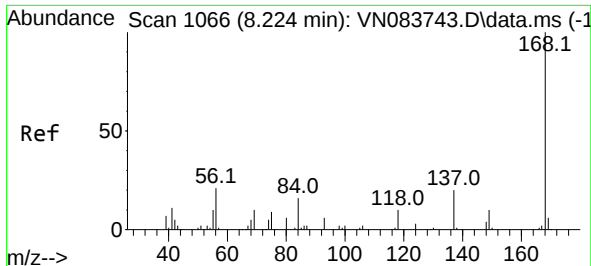
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

67) Ethyl Benzene	11.965	91	6833392	613.030	ug/l	100
68) m/p-Xylenes	12.071	106	15208173	3674.852	ug/l #	1
69) o-Xylene	12.400	106	6364948	1588.729	ug/l	96
70) Styrene	12.400	104	320583	48.758	ug/l #	1
73) Isopropylbenzene	12.694	105	3388411	308.106	ug/l	99
74) N-amyl acetate	12.476	43	107730	22.960	ug/l #	71
75) 1,1,2,2-Tetrachloroethane	12.923	83	15425	4.774	ug/l #	1
76) 1,2,3-Trichloropropane	13.035	75	41670	14.528	ug/l #	1
78) n-propylbenzene	13.035	91	6130950	479.139	ug/l	100
79) 2-Chlorotoluene	13.100	91	2908214	356.377	ug/l #	44
80) 1,3,5-Trimethylbenzene	13.176	105	8802205	949.334	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.694	75	43074	39.332	ug/l #	67
82) 4-Chlorotoluene	13.170	91	1022233	124.827	ug/l #	44
83) tert-Butylbenzene	13.482	119	3455723	426.002	ug/l #	57
84) 1,2,4-Trimethylbenzene	13.476	105	19674885	2112.445	ug/l	70
85) sec-Butylbenzene	13.476	105	19674885	1828.815	ug/l #	57
86) p-Isopropyltoluene	13.670	119	667079	73.969	ug/l	97
89) n-Butylbenzene	14.053	91	721419	89.097	ug/l #	77
90) Hexachloroethane	14.329	117	307430	169.584	ug/l #	17
92) 1,2-Dibromo-3-Chloropr...	14.694	75	19478	30.239	ug/l #	7
95) Naphthalene	15.635	128	3400155	431.945	ug/l	99

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

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Response via : Initial Calibration

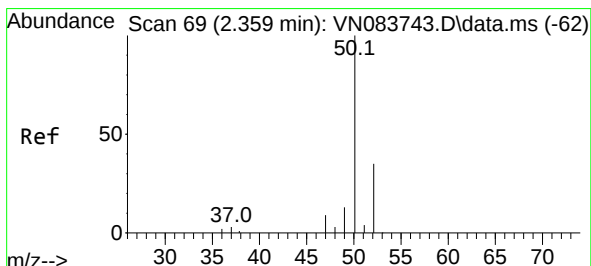
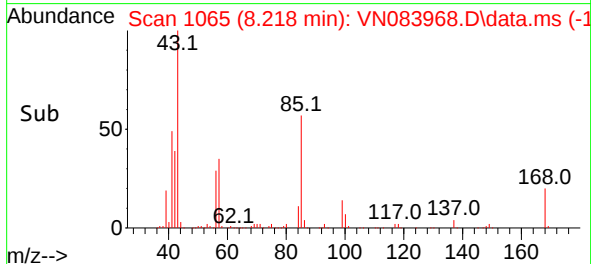
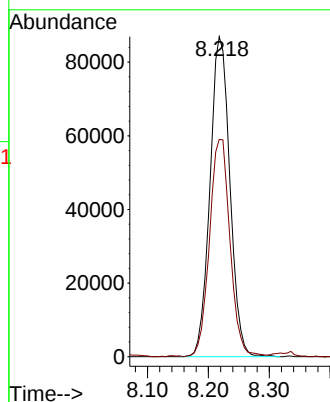
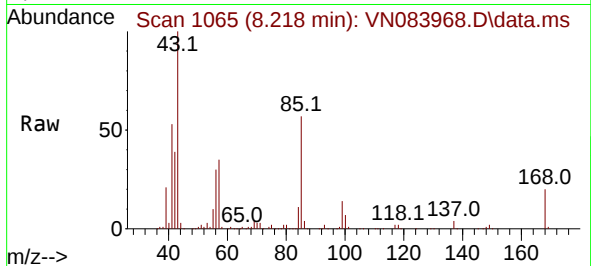




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.006 min
Lab File: VN083968.D
Acq: 18 Sep 2024 07:33

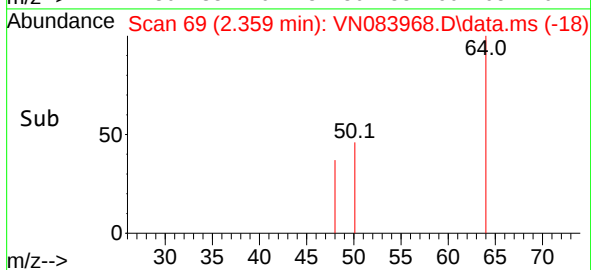
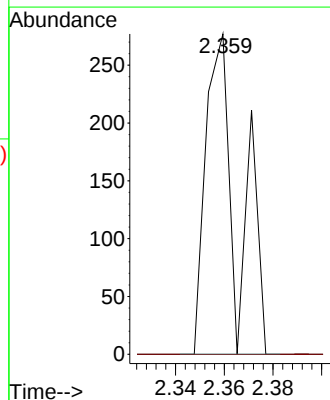
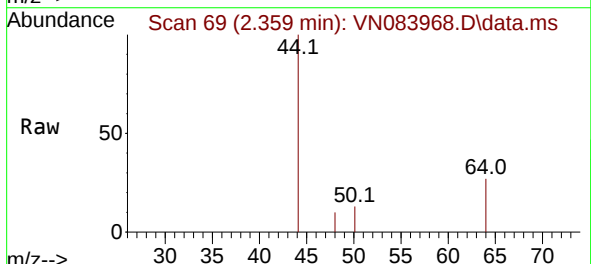
Instrument :
MSVOA_N
ClientSampleId :
FDF-4

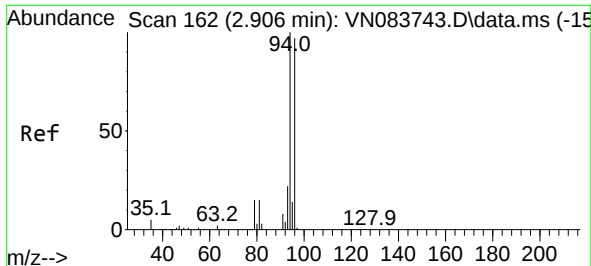
Tgt Ion:168 Resp: 197134
Ion Ratio Lower Upper
168 100
99 67.6 54.2 81.2



#3
Chloromethane
Concen: Below Cal
RT: 2.359 min Scan# 69
Delta R.T. 0.000 min
Lab File: VN083968.D
Acq: 18 Sep 2024 07:33

Tgt Ion: 50 Resp: 252
Ion Ratio Lower Upper
50 100
52 0.0 27.2 40.8#

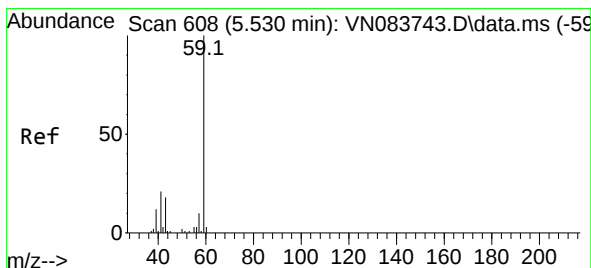
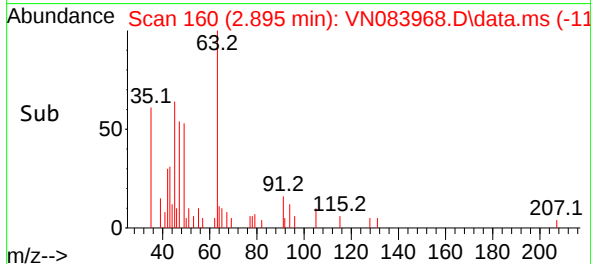
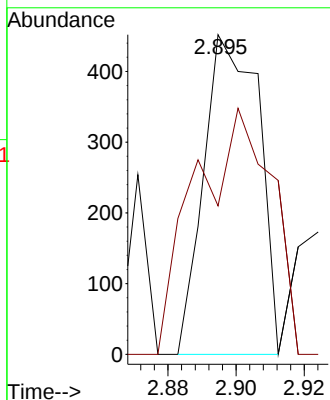
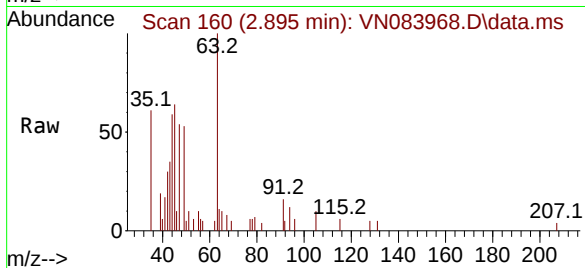




#5
Bromomethane
Concen: 0.351 ug/l
RT: 2.895 min Scan# 11
Delta R.T. -0.012 min
Lab File: VN083968.D
Acq: 18 Sep 2024 07:33

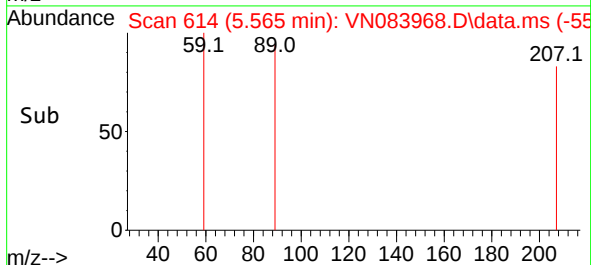
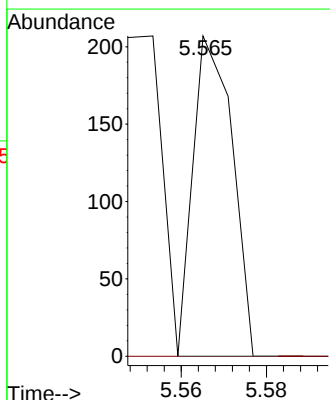
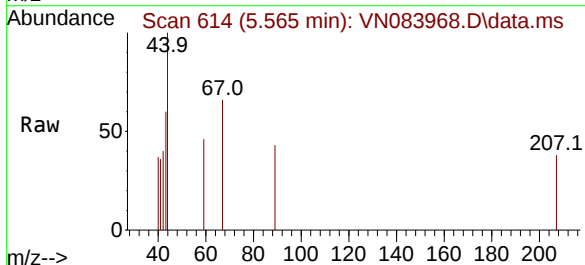
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MSVOA_N
ClientSampleId :
FDF-4

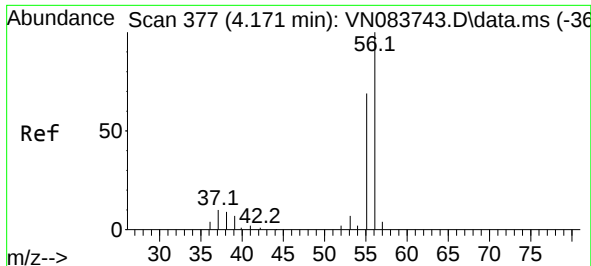
Tgt Ion: 94 Resp: 505
Ion Ratio Lower Upper
94 100
96 4.0 76.0 114.0#



#11
Tert butyl alcohol
Concen: 0.332 ug/l
RT: 5.565 min Scan# 614
Delta R.T. 0.035 min
Lab File: VN083968.D
Acq: 18 Sep 2024 07:33

Tgt Ion: 59 Resp: 132
Ion Ratio Lower Upper
59 100
57 0.0 8.7 13.1#





#13

Acrolein

Concen: 7.081 ug/l

RT: 4.106 min Scan# 30

Delta R.T. -0.065 min

Lab File: VN083968.D

Acq: 18 Sep 2024 07:33

Instrument :

MSVOA_N

ClientSampleId :

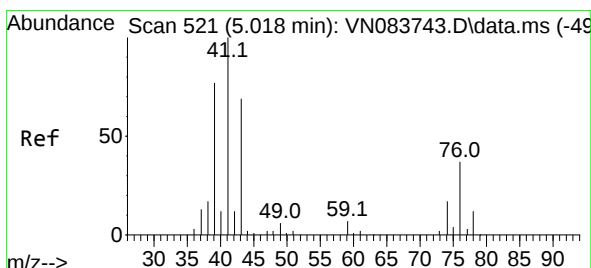
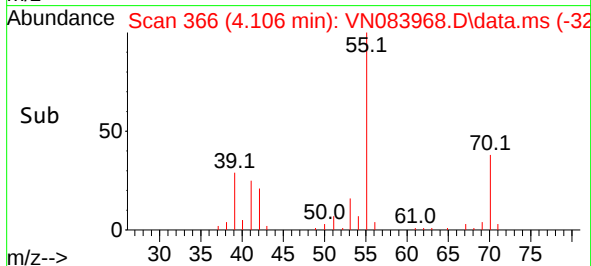
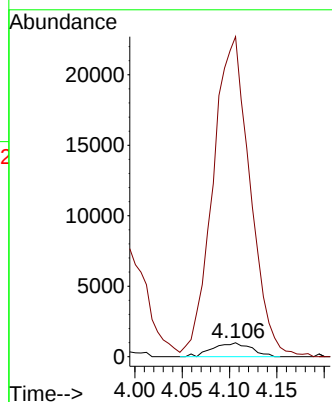
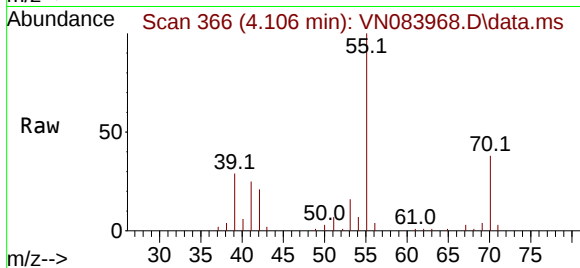
FDF-4

Tgt Ion: 56 Resp: 2781

Ion Ratio Lower Upper

56 100

55 2230.8 58.2 87.2#



#14

Allyl chloride

Concen: 2.846 ug/l

RT: 5.100 min Scan# 535

Delta R.T. 0.082 min

Lab File: VN083968.D

Acq: 18 Sep 2024 07:33

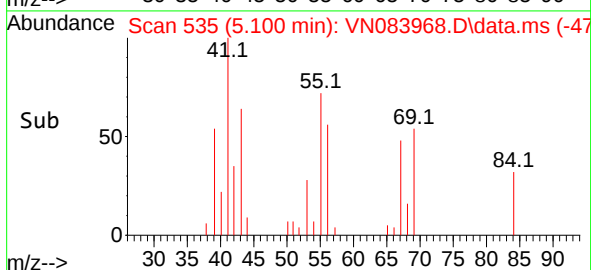
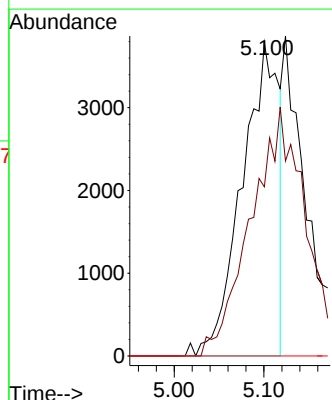
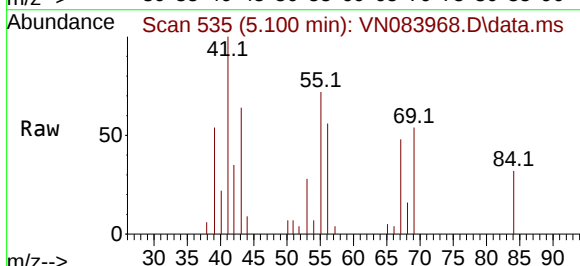
Tgt Ion: 41 Resp: 10812

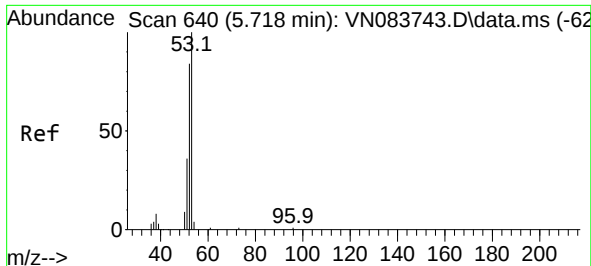
Ion Ratio Lower Upper

41 100

39 113.7 59.3 88.9#

76 0.0 27.7 41.5#

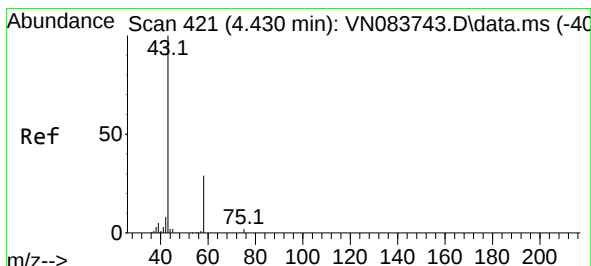
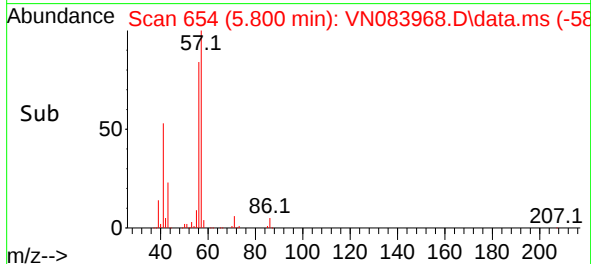
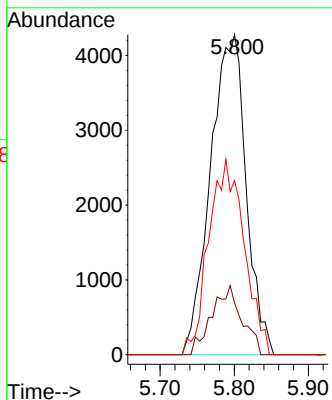
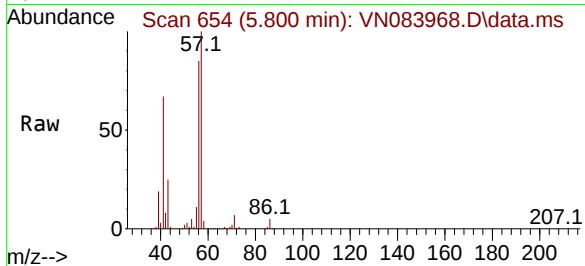




#15
Acrylonitrile
Concen: 13.198 ug/l
RT: 5.800 min Scan# 61
Delta R.T. 0.082 min
Lab File: VN083968.D
Acq: 18 Sep 2024 07:33

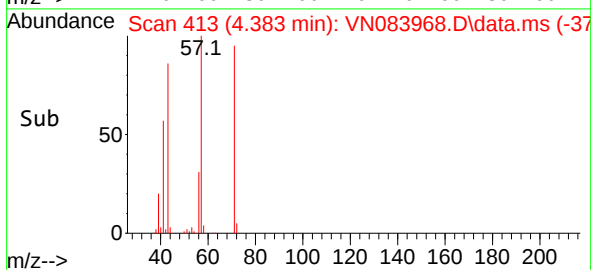
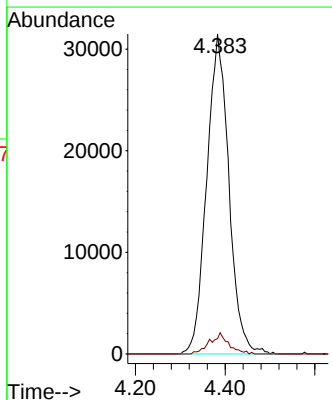
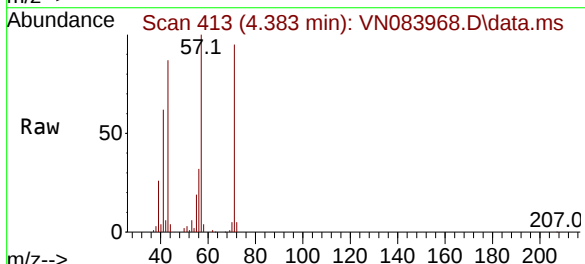
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MSVOA_N
ClientSampleId :
FDF-4

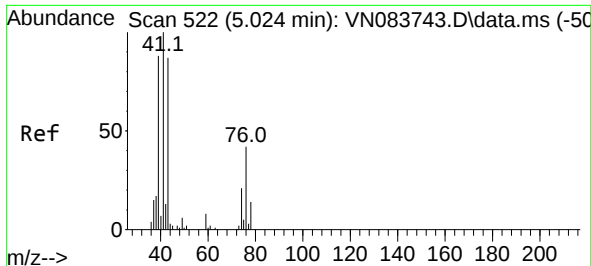
Tgt Ion: 53 Resp: 14287
Ion Ratio Lower Upper
53 100
52 18.3 66.1 99.1#
51 60.6 29.6 44.4#



#16
Acetone
Concen: 90.611 ug/l
RT: 4.383 min Scan# 413
Delta R.T. -0.047 min
Lab File: VN083968.D
Acq: 18 Sep 2024 07:33

Tgt Ion: 43 Resp: 107973
Ion Ratio Lower Upper
43 100
58 4.7 23.7 35.5#





#18

Methyl Acetate

Concen: 139.788 ug/l

RT: 5.253 min Scan# 5

Delta R.T. 0.229 min

Lab File: VN083968.D

Acq: 18 Sep 2024 07:33

Instrument :

MSVOA_N

ClientSampleId :

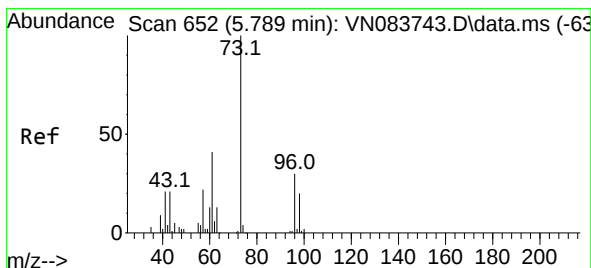
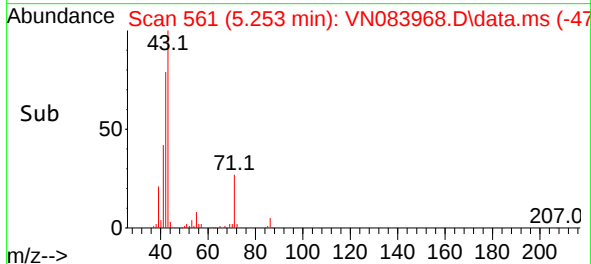
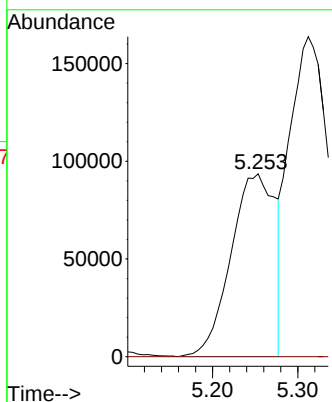
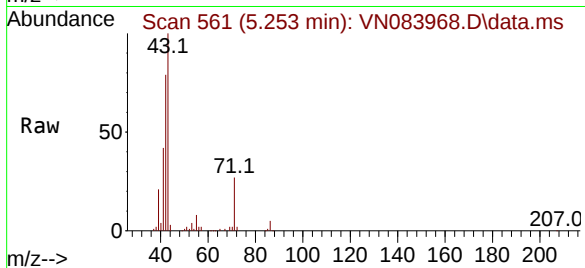
FDF-4

Tgt Ion: 43 Resp: 338788

Ion Ratio Lower Upper

43 100

74 0.0 19.0 28.4#



#19

Methyl tert-butyl Ether

Concen: 0.370 ug/l

RT: 5.800 min Scan# 654

Delta R.T. 0.012 min

Lab File: VN083968.D

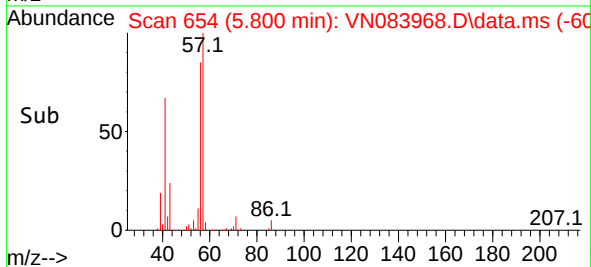
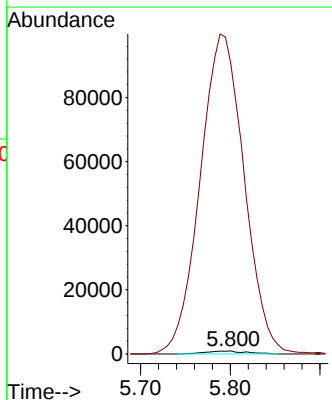
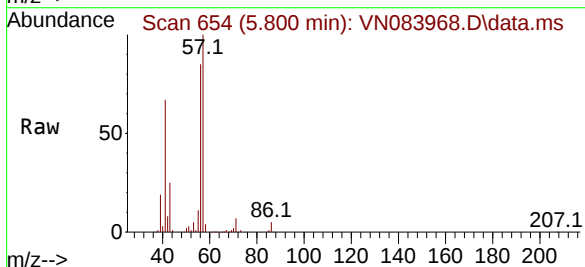
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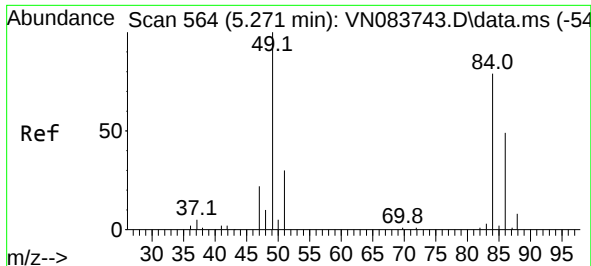
Tgt Ion: 73 Resp: 2856

Ion Ratio Lower Upper

73 100

57 9458.4 17.0 25.6#

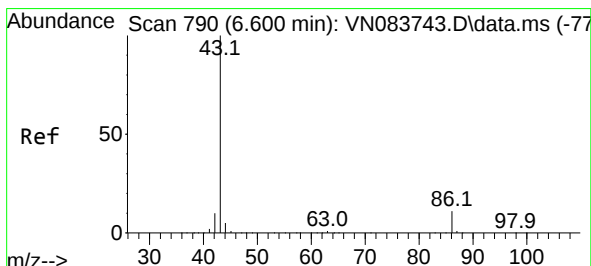
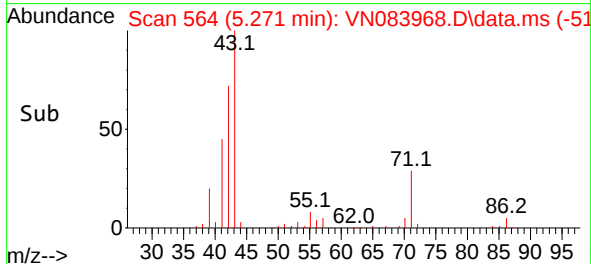
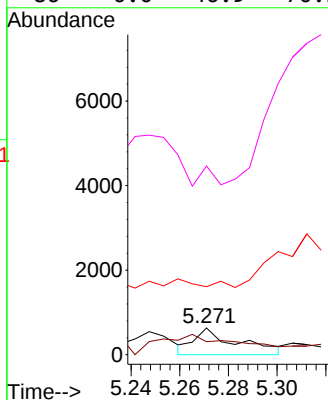
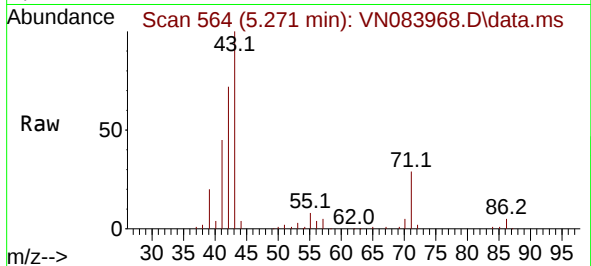




#20
Methylene Chloride
Concen: 0.321 ug/l
RT: 5.271 min Scan# 51
Delta R.T. 0.000 min
Lab File: VN083968.D
Acq: 18 Sep 2024 07:33

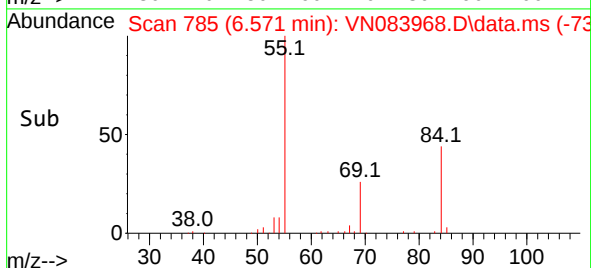
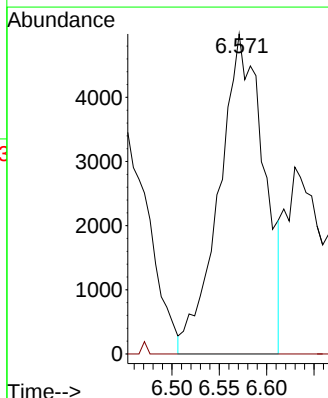
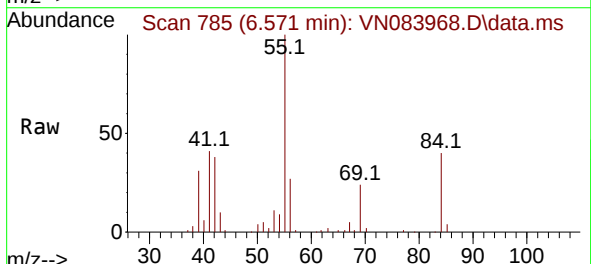
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MSVOA_N
ClientSampleId :
FDF-4

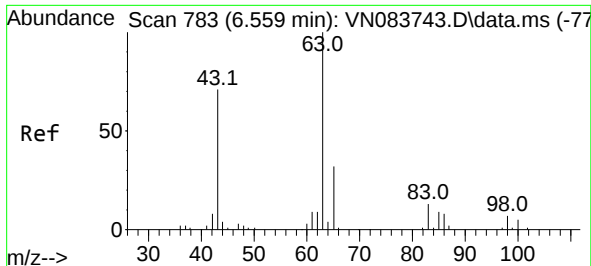
Tgt Ion:	84	Resp:	782
Ion	Ratio	Lower	Upper
84	100		
49	27.0	93.4	140.0#
51	0.0	29.2	43.8#
86	0.0	46.9	70.3#



#23
Vinyl Acetate
Concen: 2.866 ug/l
RT: 6.571 min Scan# 785
Delta R.T. -0.029 min
Lab File: VN083968.D
Acq: 18 Sep 2024 07:33

Tgt Ion:	43	Resp:	16416
Ion	Ratio	Lower	Upper
43	100		
86	0.0	8.7	13.1#

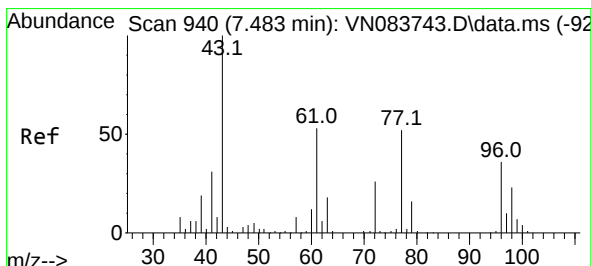
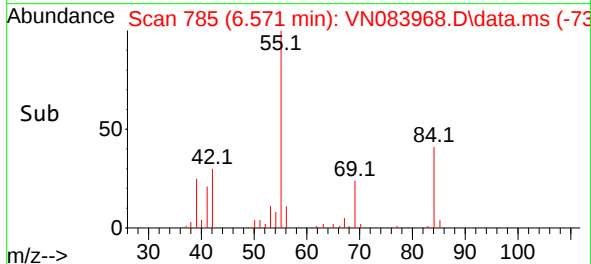
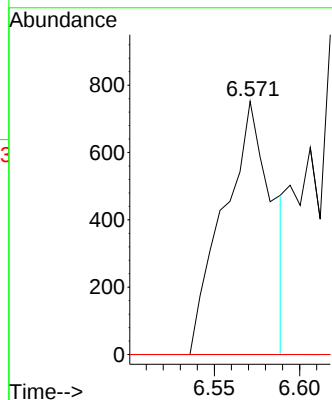
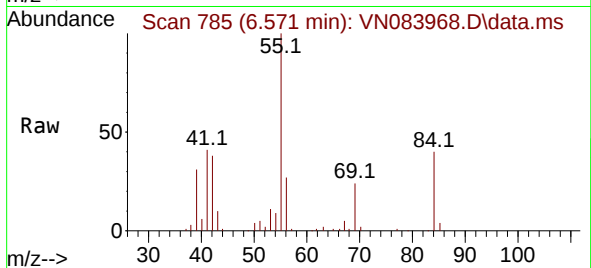




#24
1,1-Dichloroethane
Concen: 0.327 ug/l
RT: 6.571 min Scan# 785
Delta R.T. 0.012 min
Lab File: VN083968.D
Acq: 18 Sep 2024 07:33

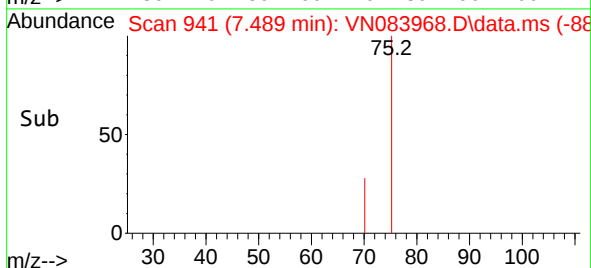
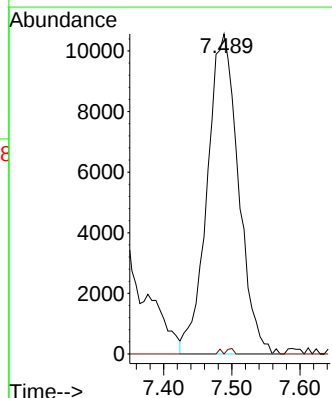
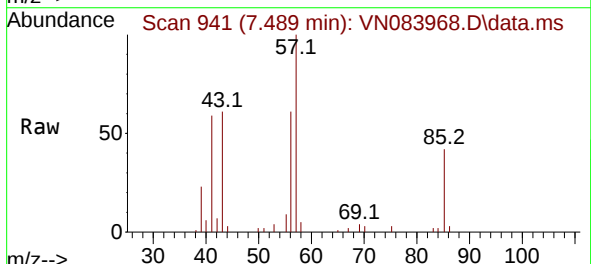
Instrument :
MSVOA_N
ClientSampleId :
FDF-4

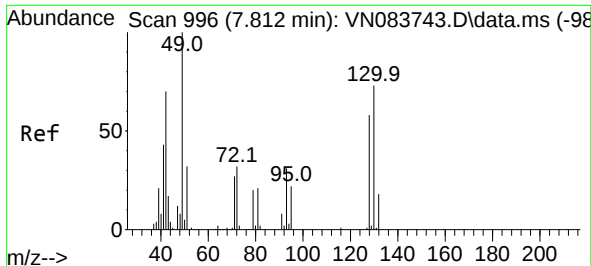
Tgt Ion: 63 Resp: 1473
Ion Ratio Lower Upper
63 100
98 0.0 3.5 10.4#
100 0.0 2.5 7.5#



#25
2-Butanone
Concen: 21.508 ug/l
RT: 7.489 min Scan# 941
Delta R.T. 0.006 min
Lab File: VN083968.D
Acq: 18 Sep 2024 07:33

Tgt Ion: 43 Resp: 33685
Ion Ratio Lower Upper
43 100
72 0.0 20.8 31.2#

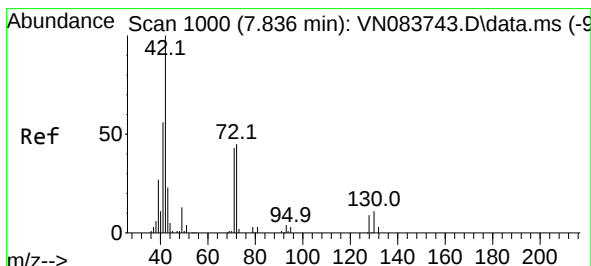
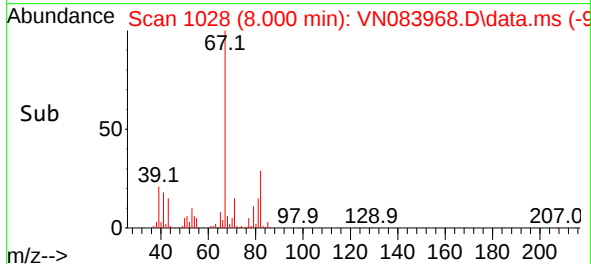
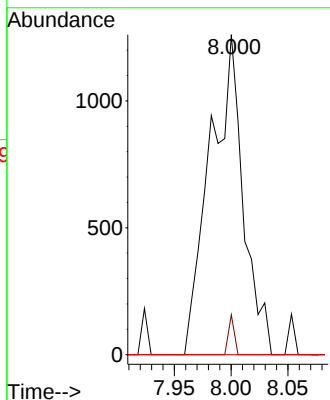
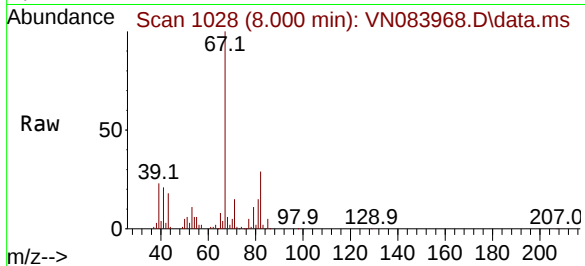




#28
Bromochloromethane
Concen: 1.348 ug/l
RT: 8.000 min Scan# 10
Delta R.T. 0.188 min
Lab File: VN083968.D
Acq: 18 Sep 2024 07:33

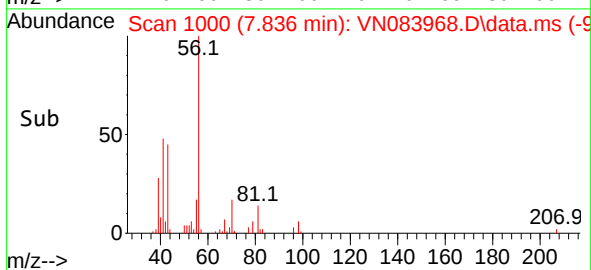
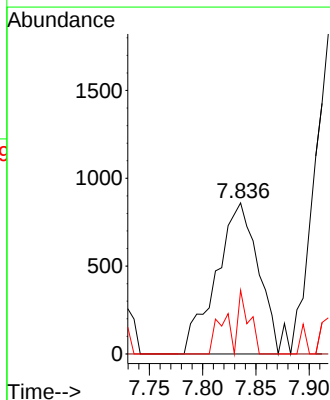
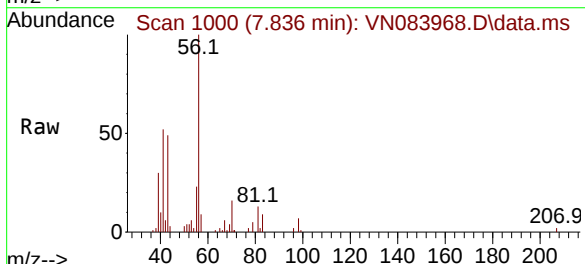
Instrument :
MSVOA_N
ClientSampleId :
FDF-4

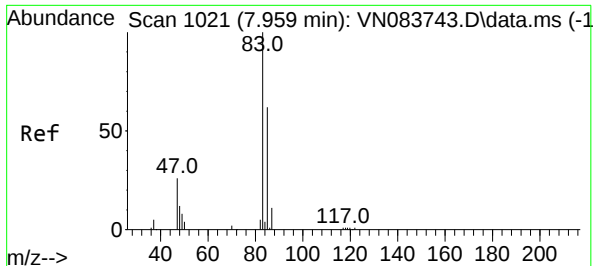
Tgt Ion: 49 Resp: 2558
Ion Ratio Lower Upper
49 100
129 2.2 0.0 3.4
130 0.0 60.2 90.2#



#29
Tetrahydrofuran
Concen: 2.531 ug/l
RT: 7.836 min Scan# 1000
Delta R.T. 0.000 min
Lab File: VN083968.D
Acq: 18 Sep 2024 07:33

Tgt Ion: 42 Resp: 2344
Ion Ratio Lower Upper
42 100
72 0.0 35.9 53.9#
71 0.0 33.9 50.9#





#30

Chloroform

Concen: 18.769 ug/l

RT: 7.924 min Scan# 1015

Delta R.T. -0.035 min

Lab File: VN083968.D

Acq: 18 Sep 2024 07:33

Instrument :

MSVOA_N

ClientSampleId :

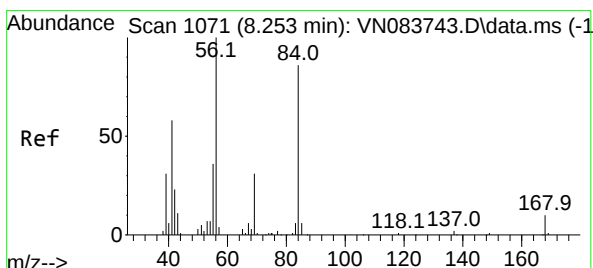
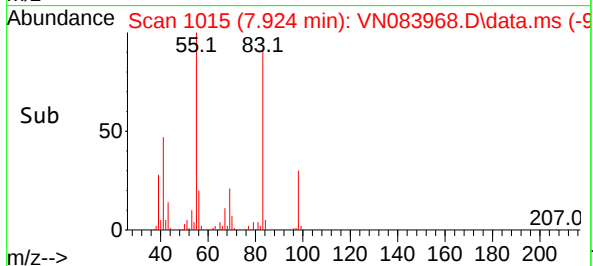
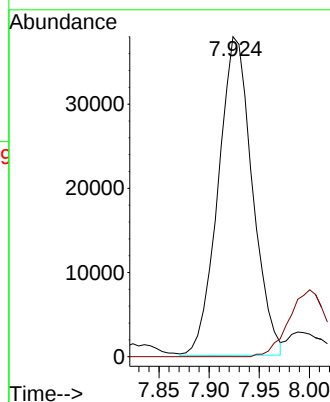
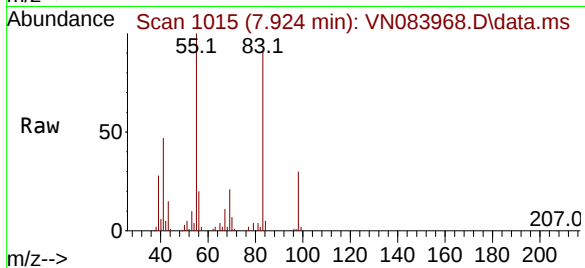
FDF-4

Tgt Ion: 83 Resp: 89782

Ion Ratio Lower Upper

83 100

85 0.0 52.8 79.2#



#31

Cyclohexane

Concen: 104.141 ug/l

RT: 8.212 min Scan# 1064

Delta R.T. -0.041 min

Lab File: VN083968.D

Acq: 18 Sep 2024 07:33

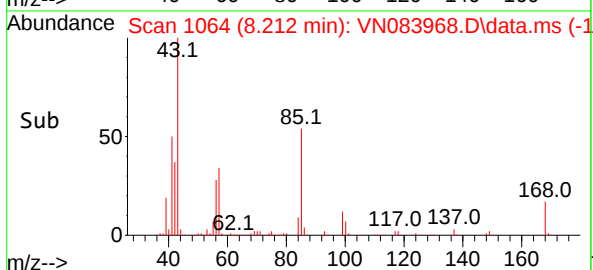
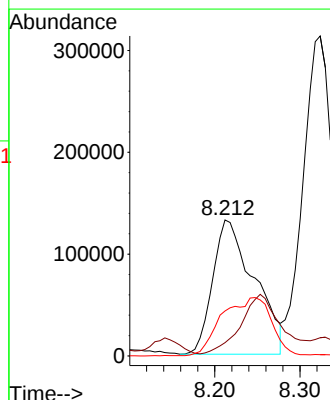
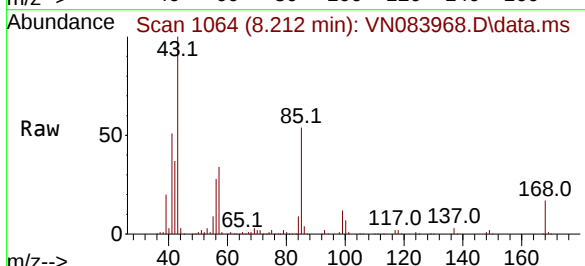
Tgt Ion: 56 Resp: 447398

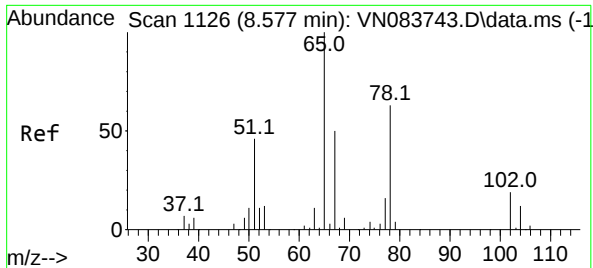
Ion Ratio Lower Upper

56 100

69 1.8 26.9 40.3#

84 33.2 69.2 103.8#

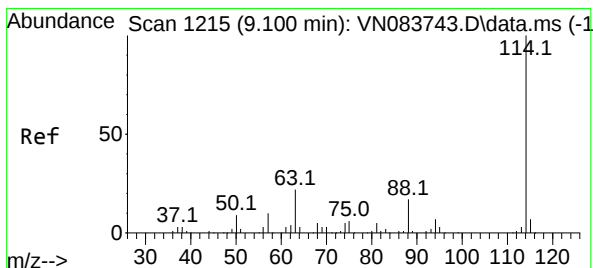
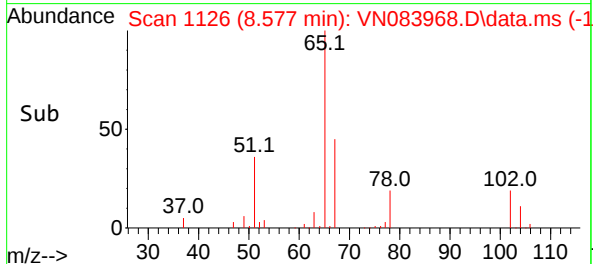
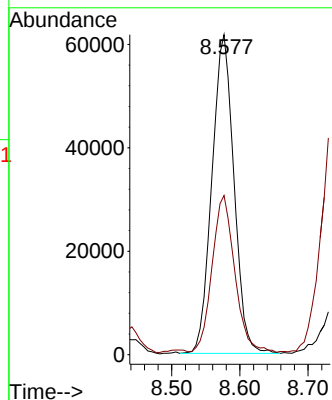
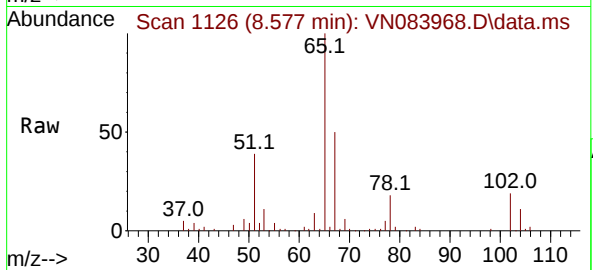




#33
 1,2-Dichloroethane-d4
 Concen: 46.605 ug/l
 RT: 8.577 min Scan# 1126
 Delta R.T. 0.000 min
 Lab File: VN083968.D
 Acq: 18 Sep 2024 07:33

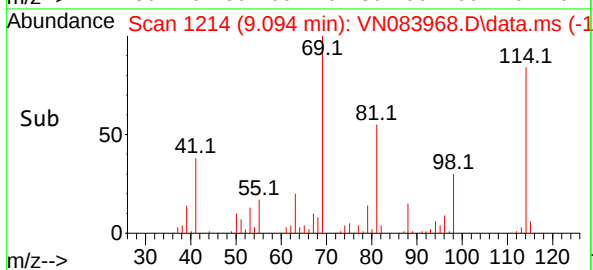
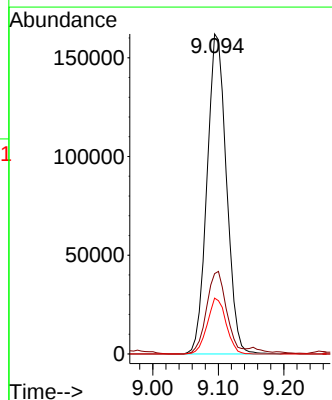
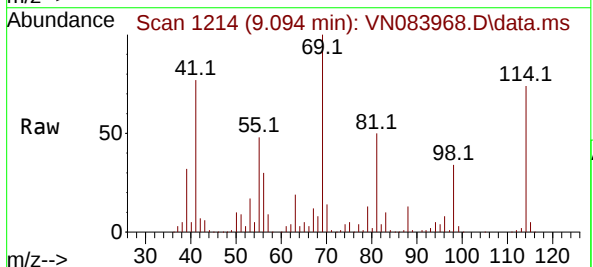
Instrument :
 MSVOA_N
 ClientSampleId :
 FDF-4

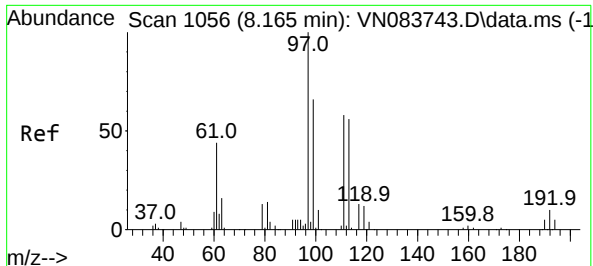
Tgt Ion: 65 Resp: 138532
 Ion Ratio Lower Upper
 65 100
 67 49.9 0.0 100.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 9.094 min Scan# 1214
 Delta R.T. -0.006 min
 Lab File: VN083968.D
 Acq: 18 Sep 2024 07:33

Tgt Ion: 114 Resp: 333678
 Ion Ratio Lower Upper
 114 100
 63 25.1 0.0 43.4
 88 17.4 0.0 32.6





#35

Dibromofluoromethane

Concen: 47.083 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. 0.000 min

Lab File: VN083968.D

Acq: 18 Sep 2024 07:33

Instrument :

MSVOA_N

ClientSampleId :

FDF-4

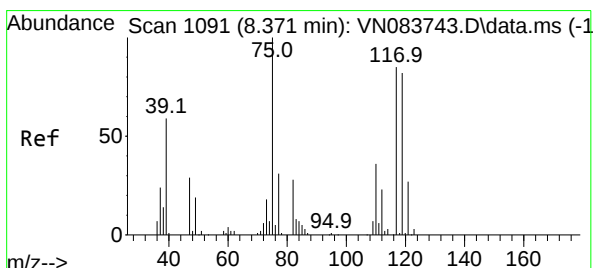
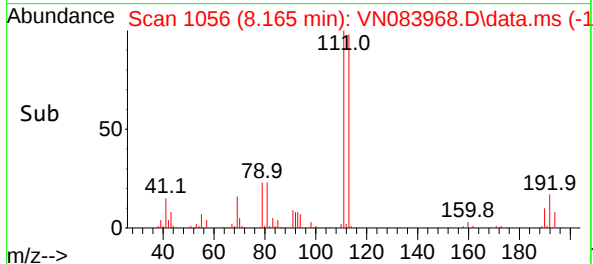
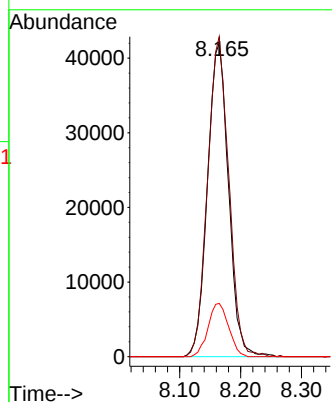
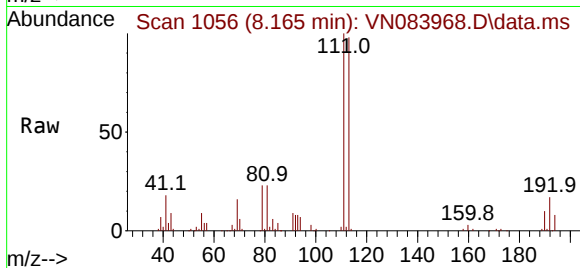
Tgt Ion:113 Resp: 100577

Ion Ratio Lower Upper

113 100

111 102.7 82.6 124.0

192 16.7 14.3 21.5



#36

1,1-Dichloropropene

Concen: 5.943 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.153 min

Lab File: VN083968.D

Acq: 18 Sep 2024 07:33

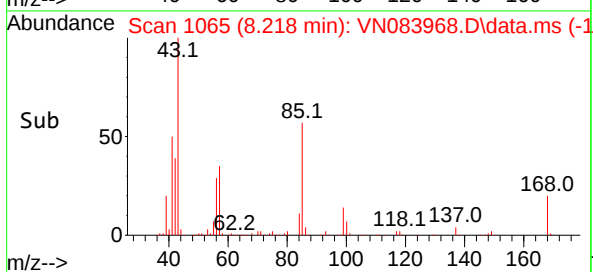
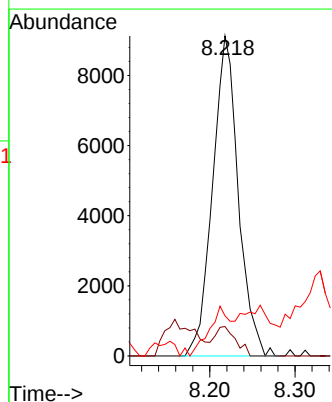
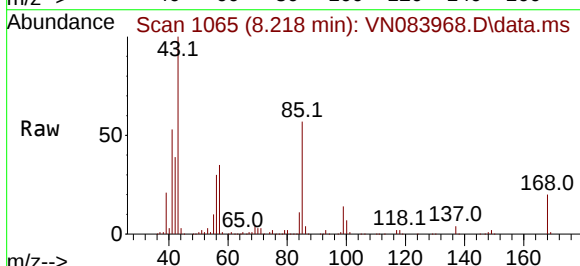
Tgt Ion: 75 Resp: 19108

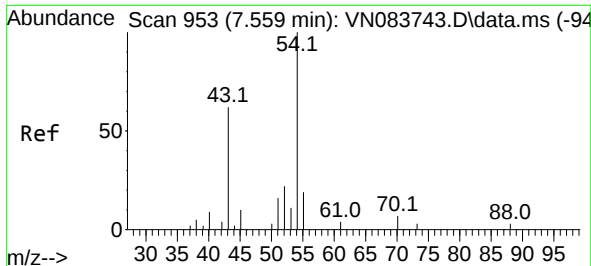
Ion Ratio Lower Upper

75 100

110 7.2 16.7 50.1#

77 11.9 25.2 37.8#





#37

Ethyl Acetate

Concen: 11.542 ug/l

RT: 7.489 min Scan# 941

Delta R.T. -0.071 min

Lab File: VN083968.D

Acq: 18 Sep 2024 07:33

Instrument :

MSVOA_N

ClientSampleId :

FDF-4

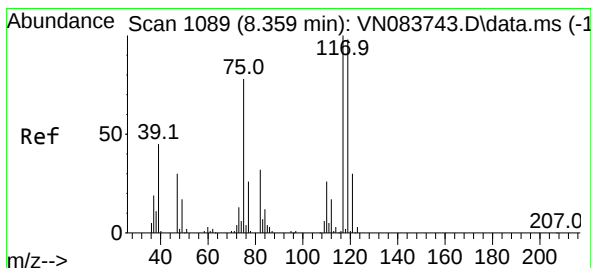
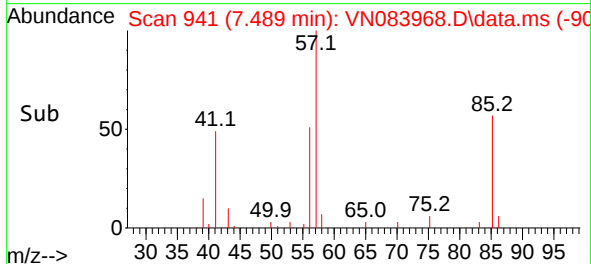
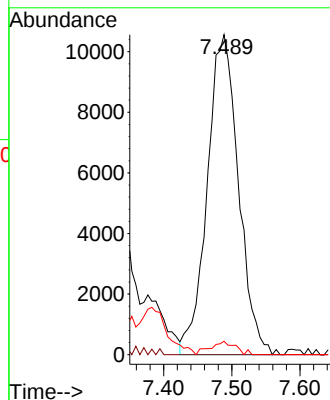
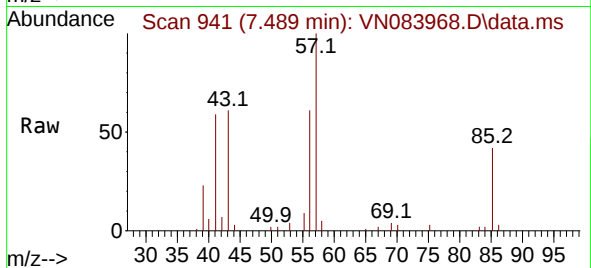
Tgt Ion: 43 Resp: 33685

Ion Ratio Lower Upper

43 100

61 0.0 11.1 16.7#

70 3.4 8.8 13.2#



#38

Carbon Tetrachloride

Concen: 6.238 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.141 min

Lab File: VN083968.D

Acq: 18 Sep 2024 07:33

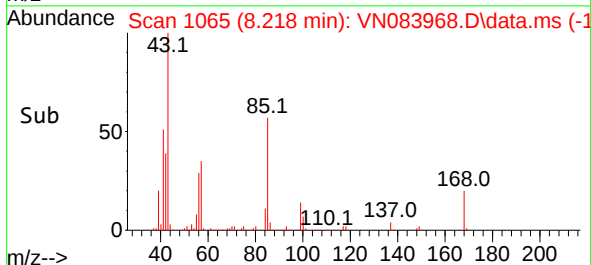
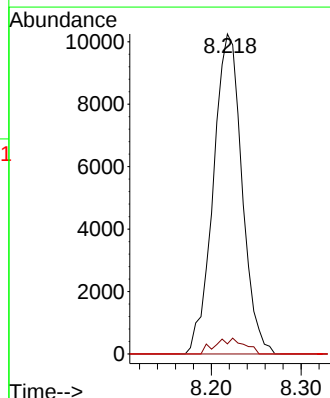
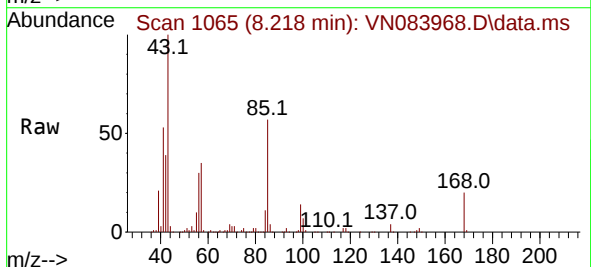
Tgt Ion: 117 Resp: 22754

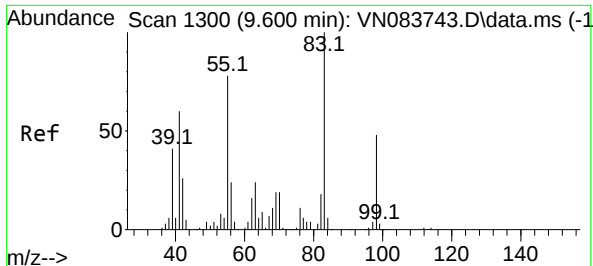
Ion Ratio Lower Upper

117 100

119 3.2 76.1 114.1#

121 0.0 24.1 36.1#

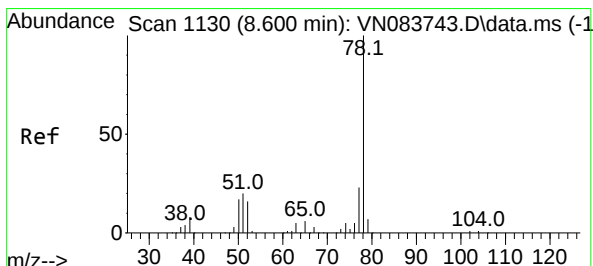
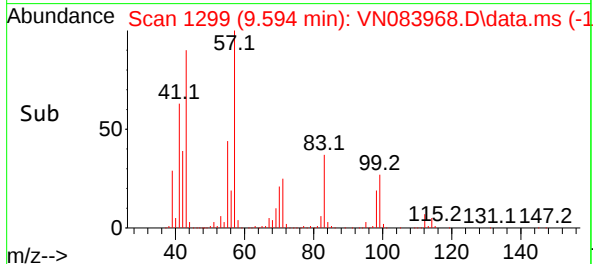
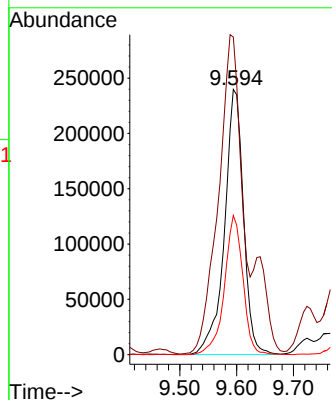
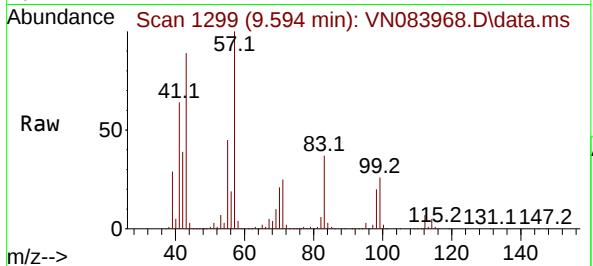




#39
Methylcyclohexane
Concen: 152.573 ug/l
RT: 9.594 min Scan# 1129
Delta R.T. -0.006 min
Lab File: VN083968.D
Acq: 18 Sep 2024 07:33

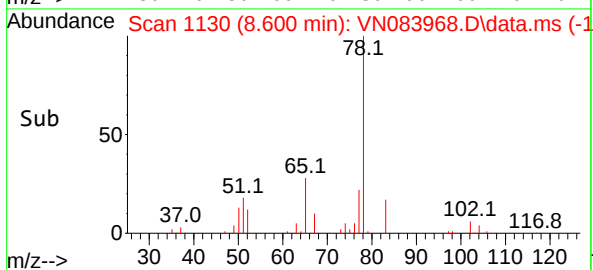
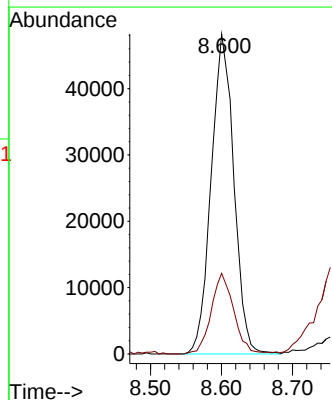
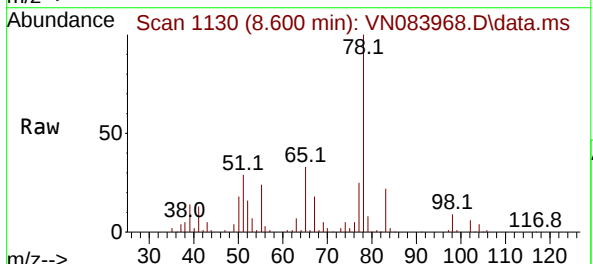
Instrument :
MSVOA_N
ClientSampleId :
FDF-4

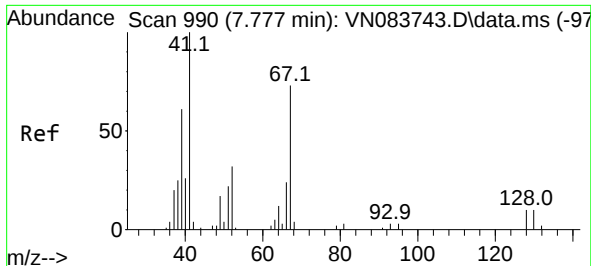
Tgt Ion: 83 Resp: 558375
Ion Ratio Lower Upper
83 100
55 119.6 62.2 93.4#
98 52.5 37.6 56.4



#40
Benzene
Concen: 11.031 ug/l
RT: 8.600 min Scan# 1130
Delta R.T. 0.000 min
Lab File: VN083968.D
Acq: 18 Sep 2024 07:33

Tgt Ion: 78 Resp: 106754
Ion Ratio Lower Upper
78 100
77 25.2 19.0 28.6

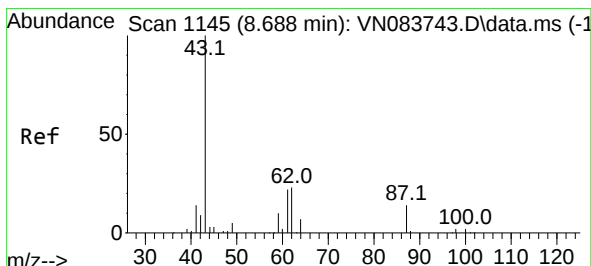
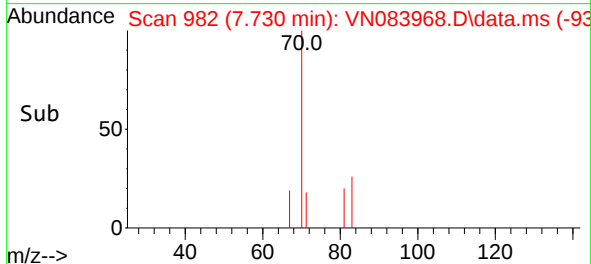
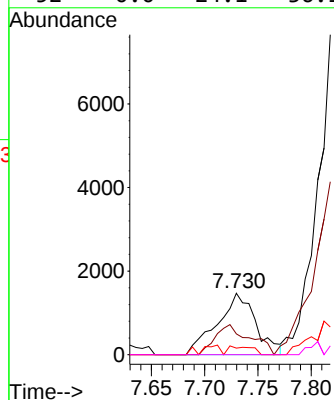
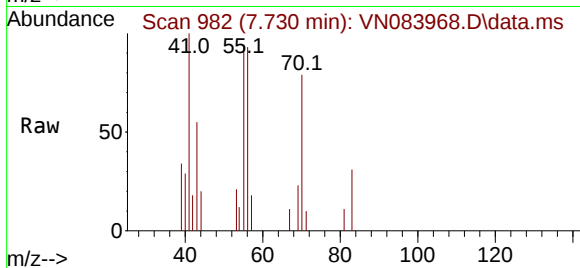




#41
Methacrylonitrile
Concen: 2.141 ug/l
RT: 7.730 min Scan# 91
Delta R.T. -0.047 min
Lab File: VN083968.D
Acq: 18 Sep 2024 07:33

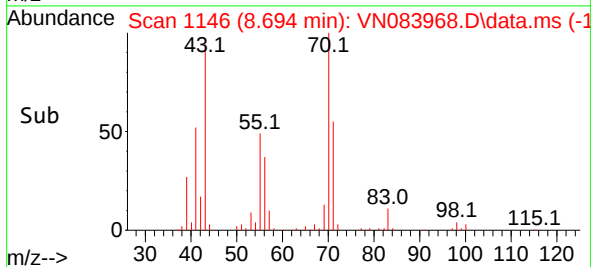
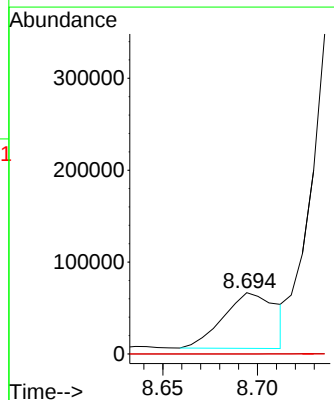
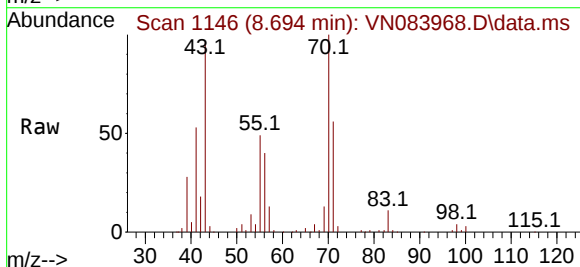
Instrument :
MSVOA_N
ClientSampleId :
FDF-4

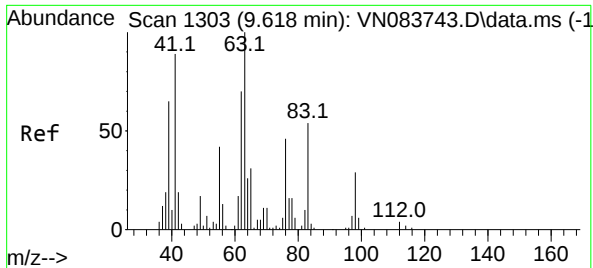
Tgt Ion:	41	Resp:	3696
Ion	Ratio	Lower	Upper
41	100		
39	0.0	45.4	68.2#
67	0.0	55.9	83.9#
52	0.0	24.1	36.1#



#43
Isopropyl Acetate
Concen: 22.389 ug/l
RT: 8.694 min Scan# 1146
Delta R.T. 0.006 min
Lab File: VN083968.D
Acq: 18 Sep 2024 07:33

Tgt Ion:	43	Resp:	118407
Ion	Ratio	Lower	Upper
43	100		
61	0.0	19.4	29.0#
87	0.0	9.8	14.6#





#45

1,2-Dichloropropane

Concen: 6.098 ug/l

RT: 9.588 min Scan# 11

Delta R.T. -0.029 min

Lab File: VN083968.D

Acq: 18 Sep 2024 07:33

Instrument :

MSVOA_N

ClientSampleId :

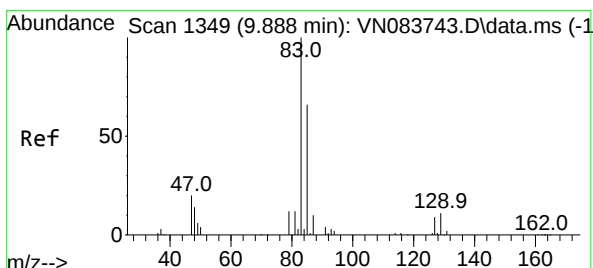
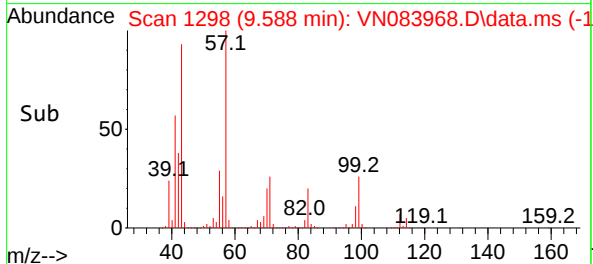
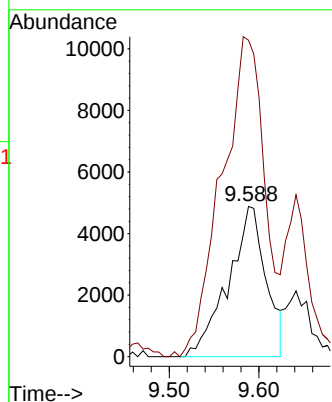
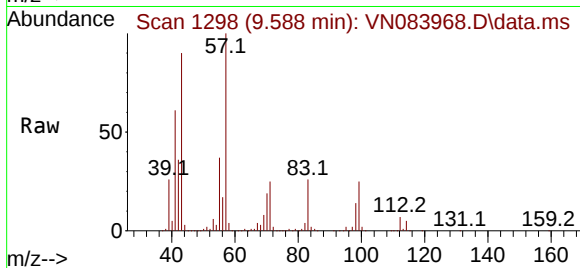
FDF-4

Tgt Ion: 63 Resp: 14262

Ion Ratio Lower Upper

63 100

65 210.6 25.9 38.9#



#47

Bromodichloromethane

Concen: 53.628 ug/l

RT: 9.871 min Scan# 1346

Delta R.T. -0.018 min

Lab File: VN083968.D

Acq: 18 Sep 2024 07:33

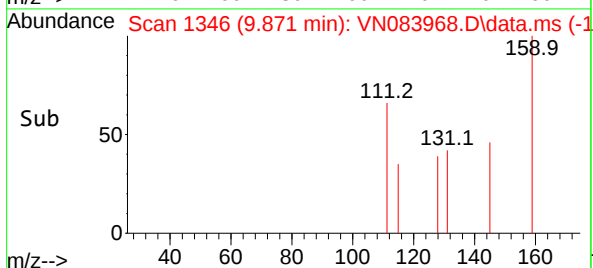
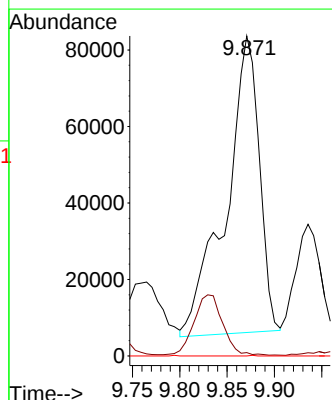
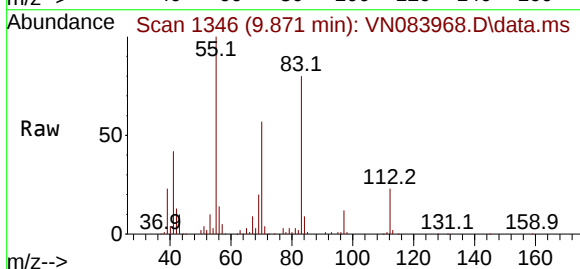
Tgt Ion: 83 Resp: 190146

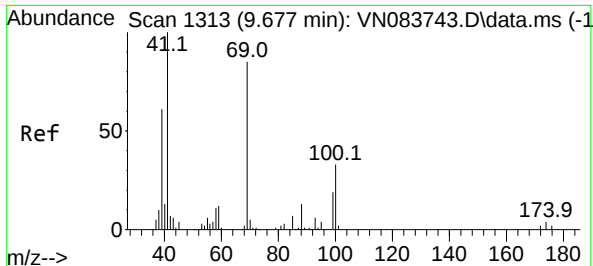
Ion Ratio Lower Upper

83 100

85 0.9 51.8 77.8#

127 0.0 6.6 9.8#





#48

Methyl methacrylate

Concen: 218.429 ug/l

RT: 9.641 min Scan# 1307

Delta R.T. -0.035 min

Lab File: VN083968.D

Acq: 18 Sep 2024 07:33

Instrument :

MSVOA_N

ClientSampleId :

FDF-4

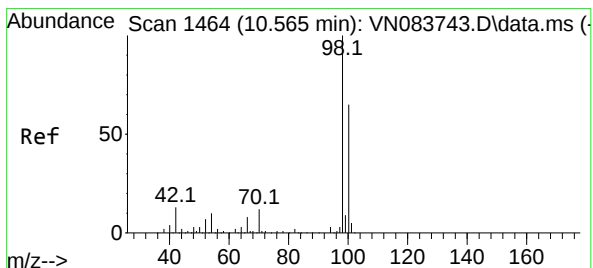
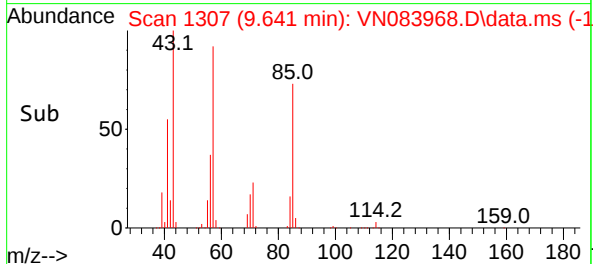
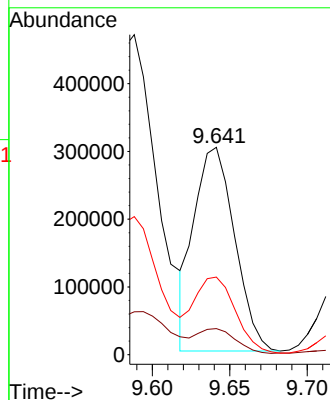
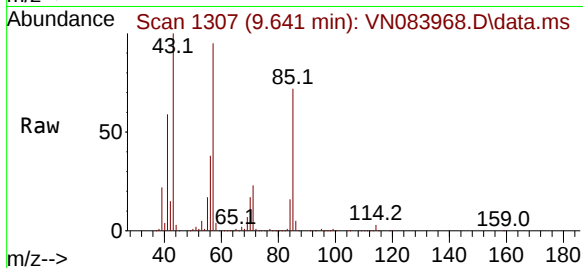
Tgt Ion: 41 Resp: 548074

Ion Ratio Lower Upper

41 100

69 11.2 64.3 96.5#

39 38.6 48.9 73.3#



#50

Toluene-d8

Concen: 57.240 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. 0.000 min

Lab File: VN083968.D

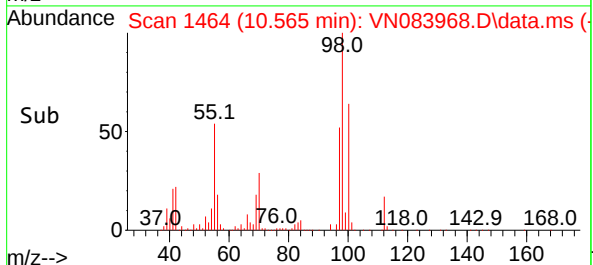
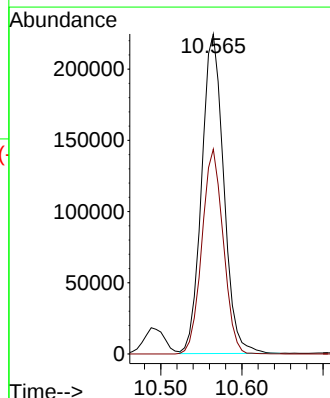
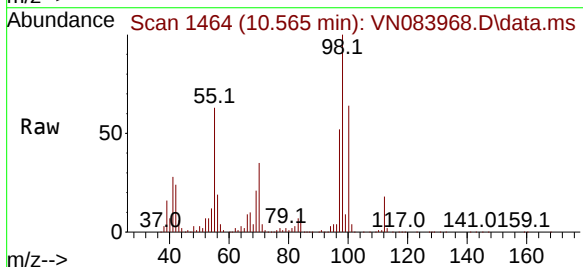
Acq: 18 Sep 2024 07:33

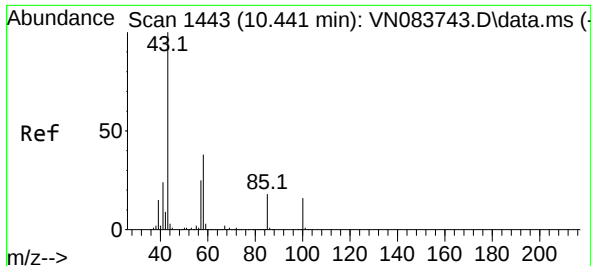
Tgt Ion: 98 Resp: 422705

Ion Ratio Lower Upper

98 100

100 62.0 52.0 78.0

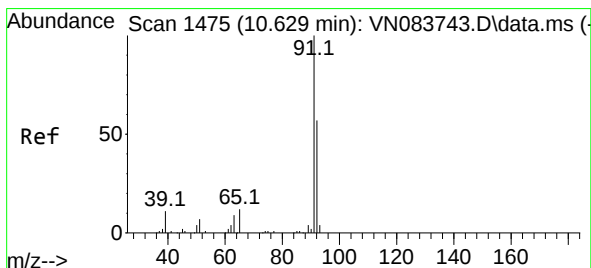
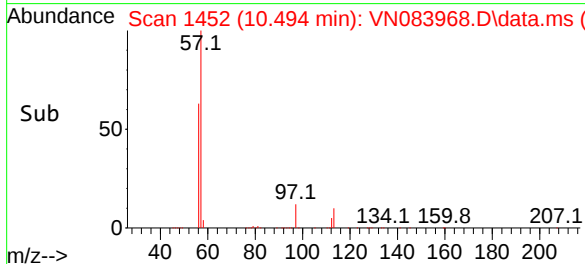
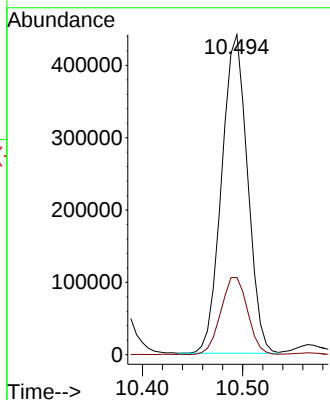
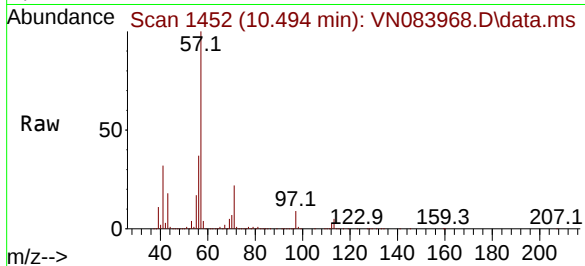




#51
4-Methyl-2-Pentanone
Concen: 274.257 ug/l
RT: 10.494 min Scan# 1452
Delta R.T. 0.053 min
Lab File: VN083968.D
Acq: 18 Sep 2024 07:33

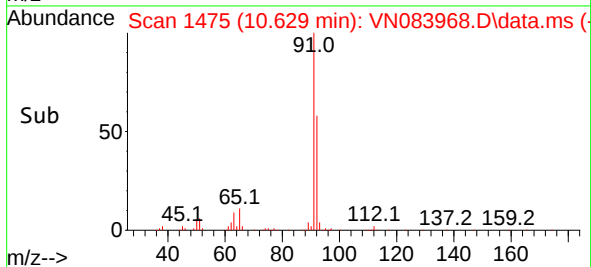
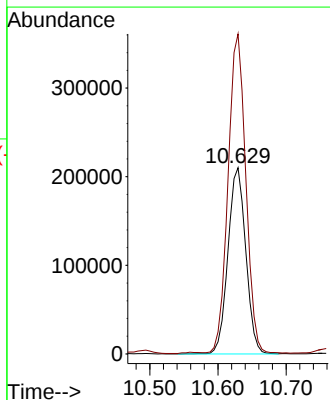
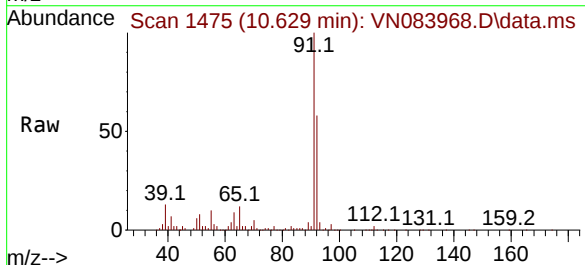
Instrument :
MSVOA_N
ClientSampleId :
FDF-4

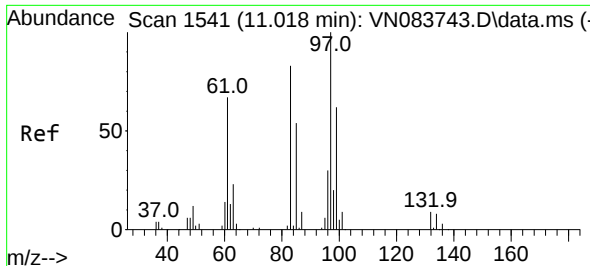
Tgt Ion: 43 Resp: 789557
Ion Ratio Lower Upper
43 100
58 25.0 31.6 47.4#



#52
Toluene
Concen: 64.474 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. 0.000 min
Lab File: VN083968.D
Acq: 18 Sep 2024 07:33

Tgt Ion: 92 Resp: 381649
Ion Ratio Lower Upper
92 100
91 170.6 134.7 202.1

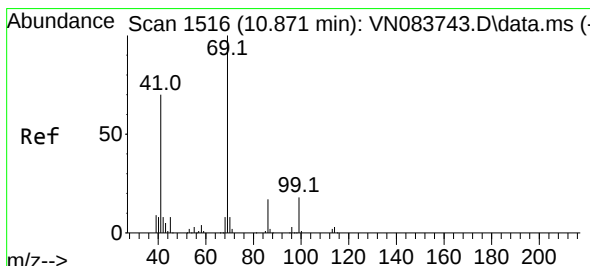
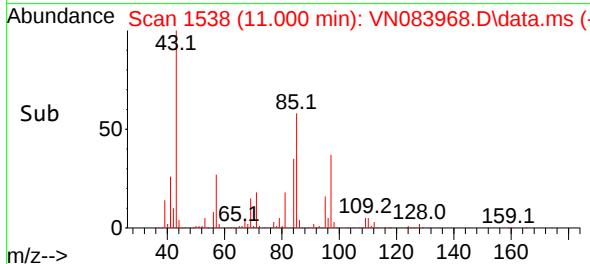
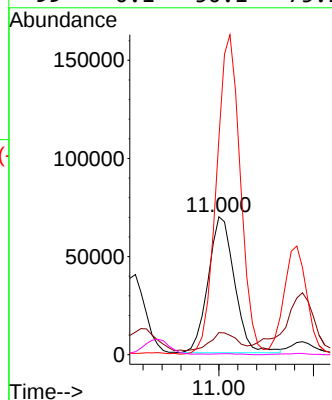
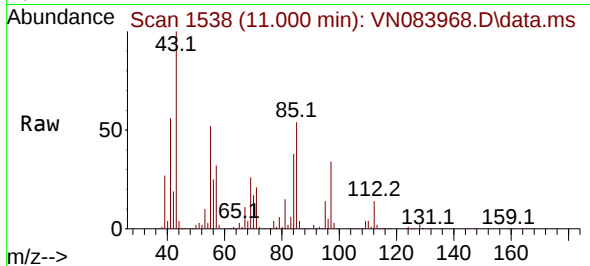




#55
1,1,2-Trichloroethane
Concen: 60.574 ug/l
RT: 11.000 min Scan# 11
Delta R.T. -0.018 min
Lab File: VN083968.D
Acq: 18 Sep 2024 07:33

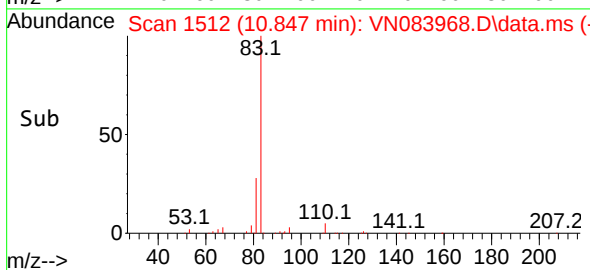
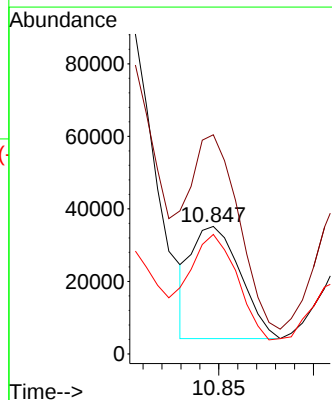
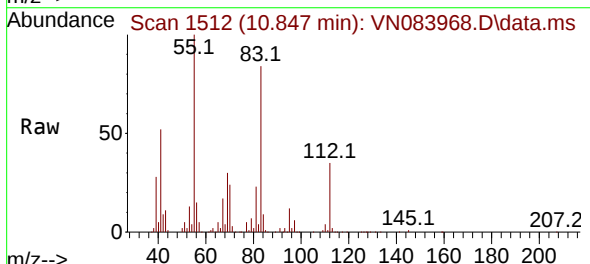
Instrument :
MSVOA_N
ClientSampleId :
FDF-4

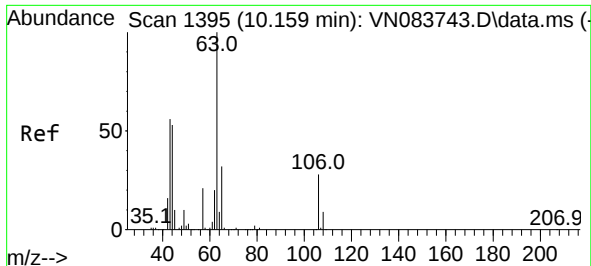
Tgt Ion: 97 Resp: 133862
Ion Ratio Lower Upper
97 100
83 12.9 67.5 101.3#
85 159.0 44.2 66.2#
99 0.1 50.1 75.1#



#56
Ethyl methacrylate
Concen: 16.227 ug/l
RT: 10.847 min Scan# 1512
Delta R.T. -0.023 min
Lab File: VN083968.D
Acq: 18 Sep 2024 07:33

Tgt Ion: 69 Resp: 55171
Ion Ratio Lower Upper
69 100
41 165.3 53.9 80.9#
39 94.0 32.6 48.8#

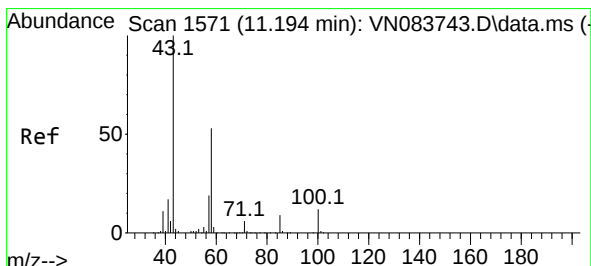
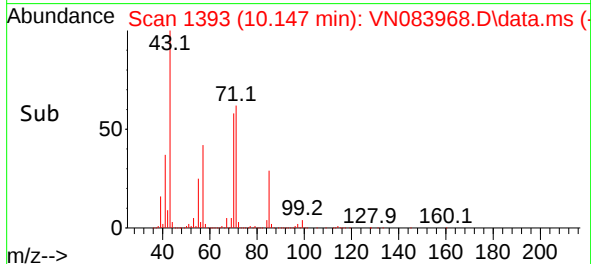
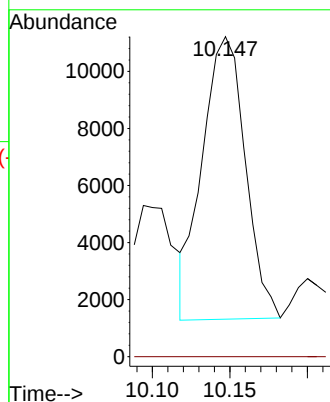
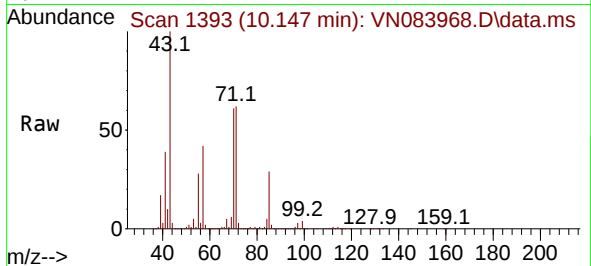




#58
2-Chloroethyl Vinyl ether
Concen: 15.606 ug/l
RT: 10.147 min Scan# 11
Delta R.T. -0.012 min
Lab File: VN083968.D
Acq: 18 Sep 2024 07:33

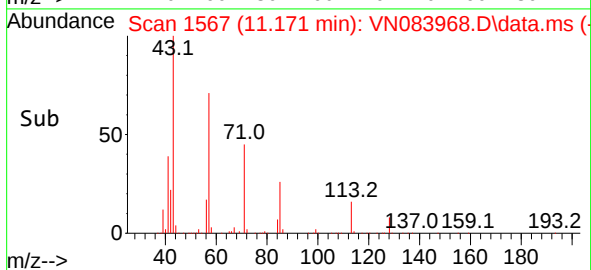
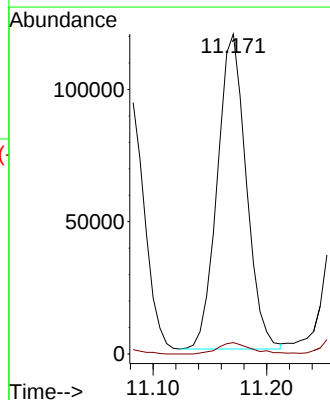
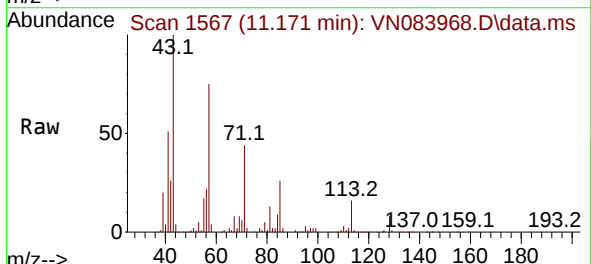
Instrument :
MSVOA_N
ClientSampleId :
FDF-4

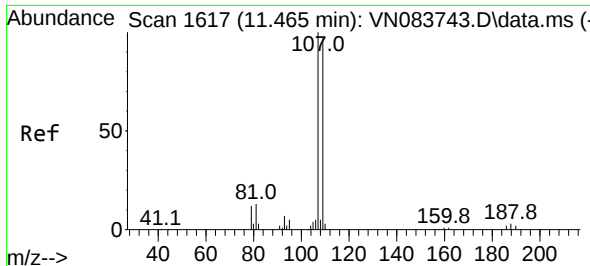
Tgt Ion: 63 Resp: 19119
Ion Ratio Lower Upper
63 100
106 0.0 23.3 34.9#



#59
2-Hexanone
Concen: 98.760 ug/l
RT: 11.171 min Scan# 1567
Delta R.T. -0.023 min
Lab File: VN083968.D
Acq: 18 Sep 2024 07:33

Tgt Ion: 43 Resp: 210317
Ion Ratio Lower Upper
43 100
58 4.2 27.2 81.5#

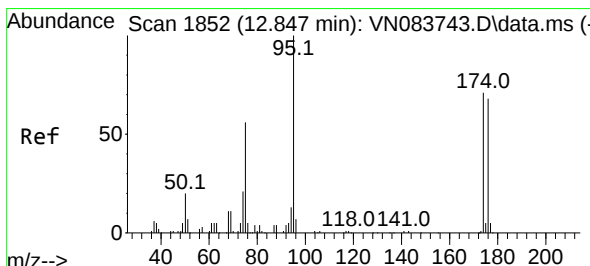
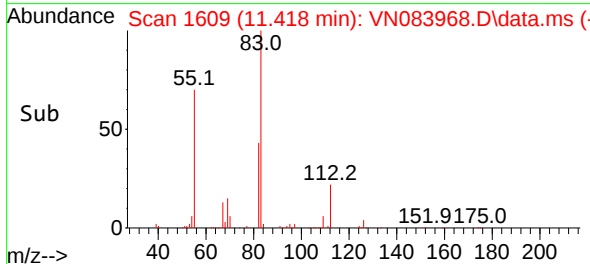
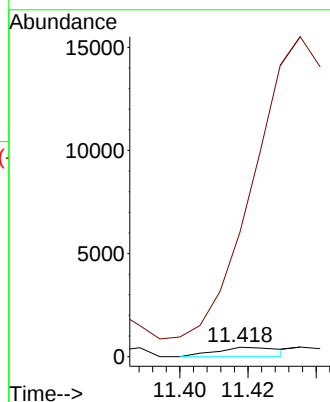
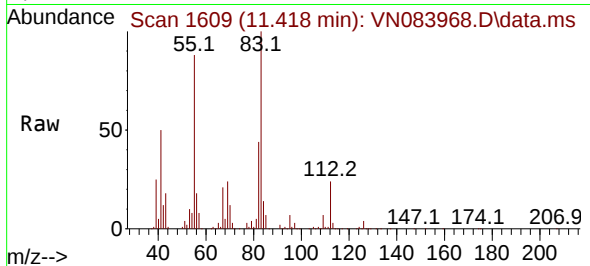




#61
1,2-Dibromoethane
Concen: 0.266 ug/l
RT: 11.418 min Scan# 1609
Delta R.T. -0.047 min
Lab File: VN083968.D
Acq: 18 Sep 2024 07:33

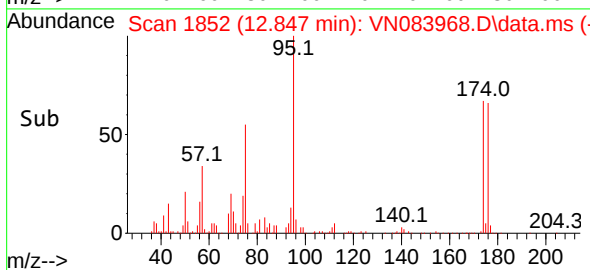
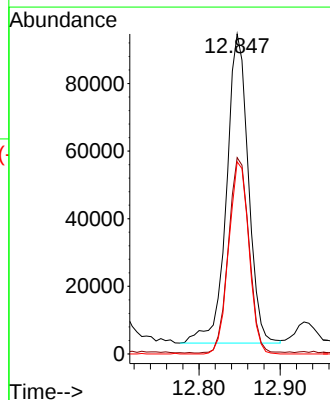
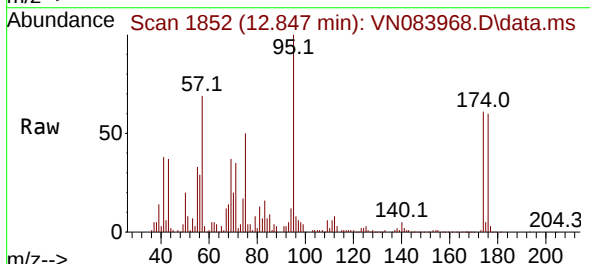
Instrument :
MSVOA_N
ClientSampleId :
FDF-4

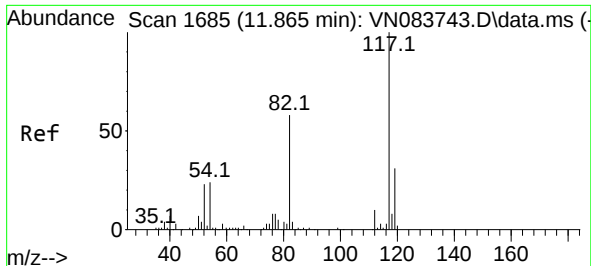
Tgt Ion:107 Resp: 587
Ion Ratio Lower Upper
107 100
109 5180.1 75.6 113.4#



#62
4-Bromofluorobenzene
Concen: 56.046 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN083968.D
Acq: 18 Sep 2024 07:33

Tgt Ion: 95 Resp: 170760
Ion Ratio Lower Upper
95 100
174 59.5 0.0 139.8
176 57.4 0.0 131.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.865 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN083968.D

Acq: 18 Sep 2024 07:33

Instrument :

MSVOA_N

ClientSampleId :

FDF-4

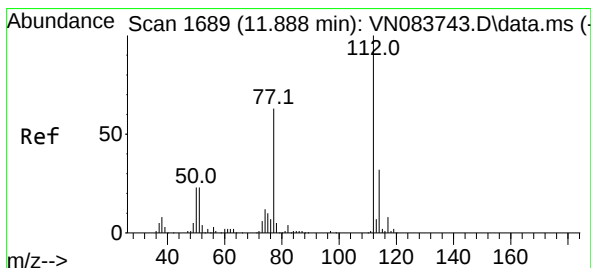
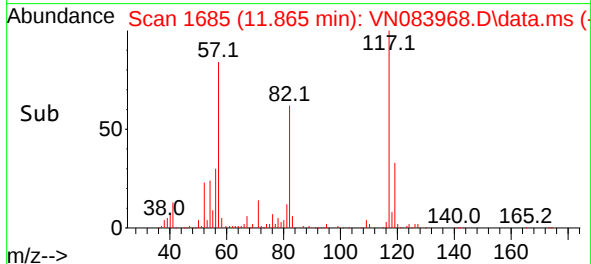
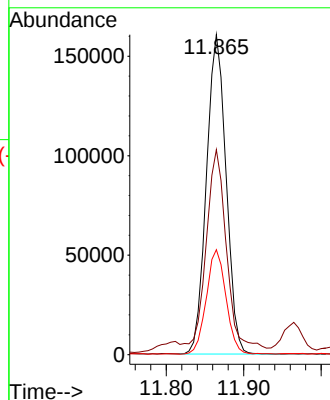
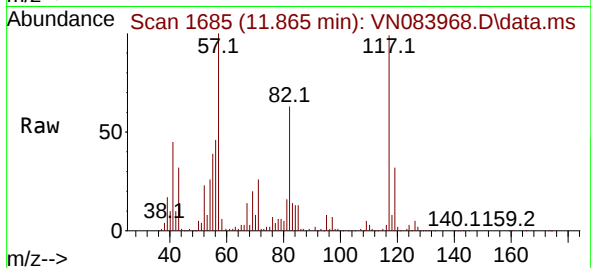
Tgt Ion:117 Resp: 282329

Ion Ratio Lower Upper

117 100

82 61.0 47.4 71.0

119 32.7 26.3 39.5



#65

Chlorobenzene

Concen: 0.248 ug/l

RT: 11.800 min Scan# 1674

Delta R.T. -0.088 min

Lab File: VN083968.D

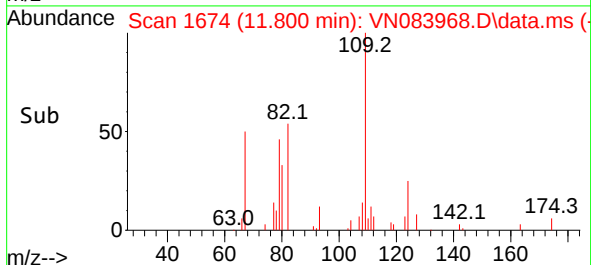
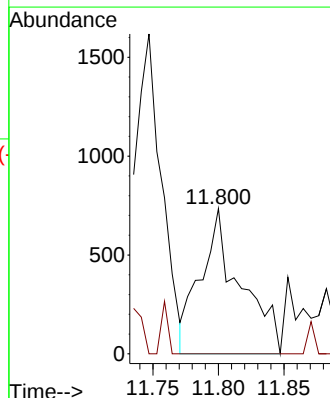
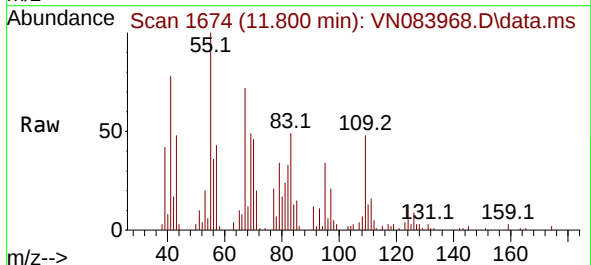
Acq: 18 Sep 2024 07:33

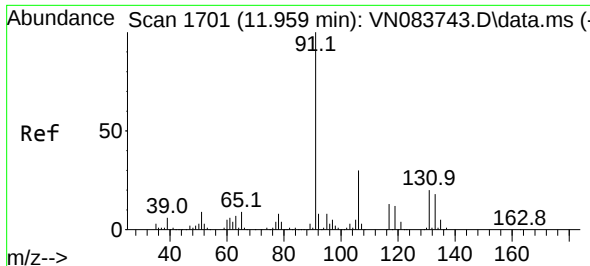
Tgt Ion:112 Resp: 1554

Ion Ratio Lower Upper

112 100

114 0.0 25.7 38.5#

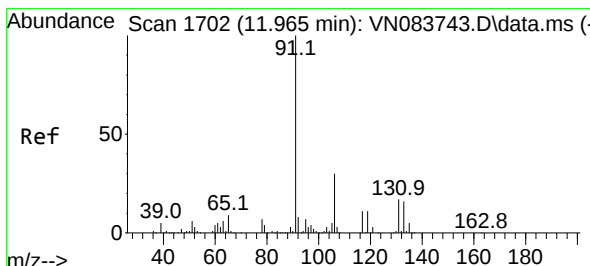
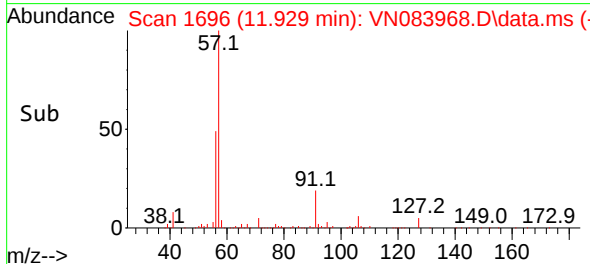
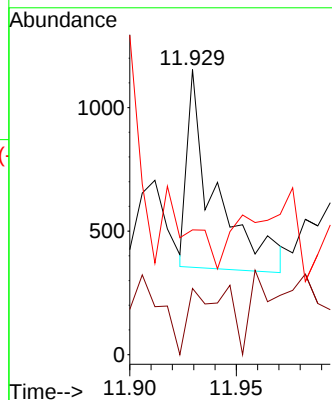
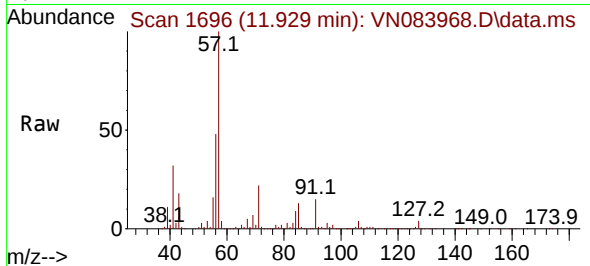




#66
1,1,1,2-Tetrachloroethane
Concen: 0.332 ug/l
RT: 11.929 min Scan# 1696
Delta R.T. -0.029 min
Lab File: VN083968.D
Acq: 18 Sep 2024 07:33

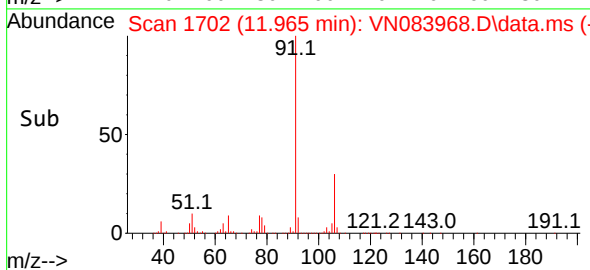
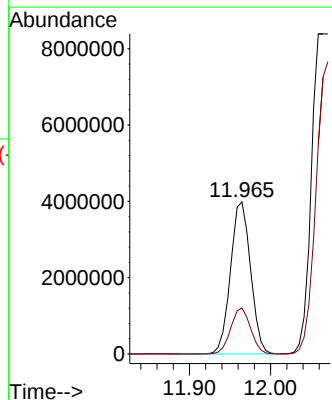
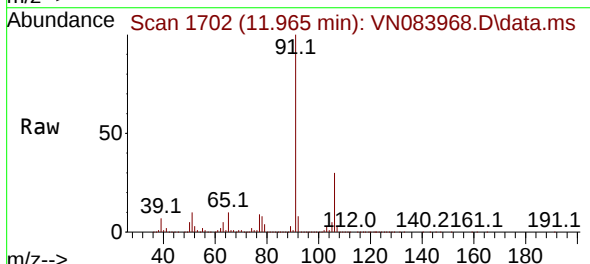
Instrument :
MSVOA_N
ClientSampleId :
FDF-4

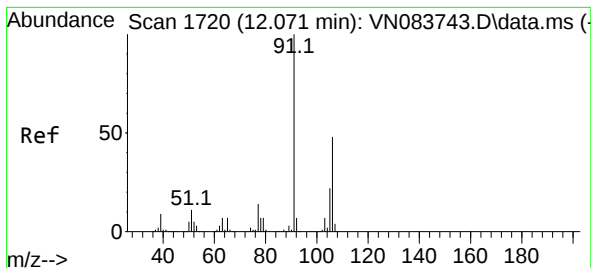
Tgt Ion:131 Resp: 723
Ion Ratio Lower Upper
131 100
133 47.0 47.5 142.6#
119 0.0 31.6 94.8#



#67
Ethyl Benzene
Concen: 613.030 ug/l
RT: 11.965 min Scan# 1702
Delta R.T. 0.000 min
Lab File: VN083968.D
Acq: 18 Sep 2024 07:33

Tgt Ion: 91 Resp: 6833392
Ion Ratio Lower Upper
91 100
106 30.3 24.3 36.5

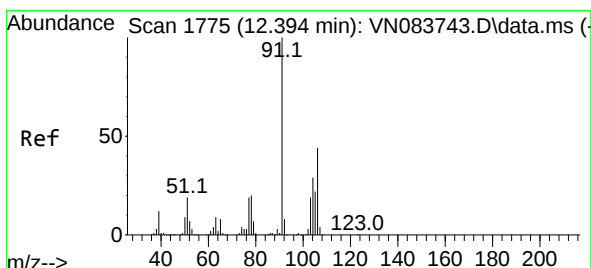
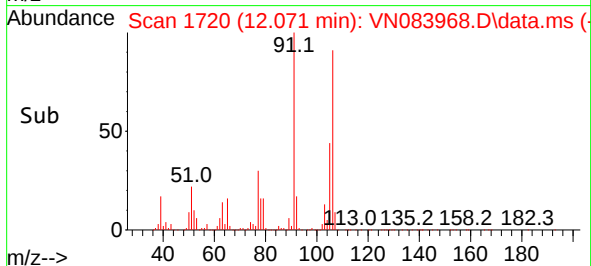
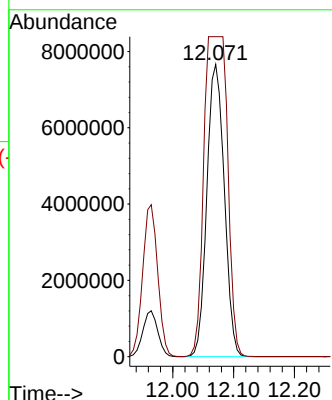
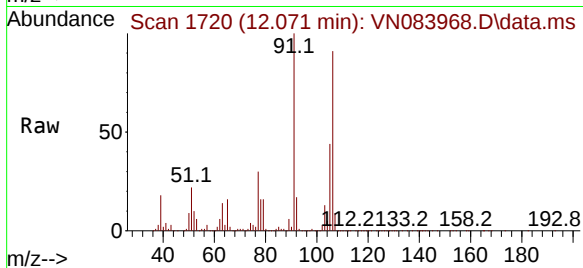




#68
m/p-Xylenes
Concen: 3674.852 ug/l
RT: 12.071 min Scan# 1720
Delta R.T. 0.000 min
Lab File: VN083968.D
Acq: 18 Sep 2024 07:33

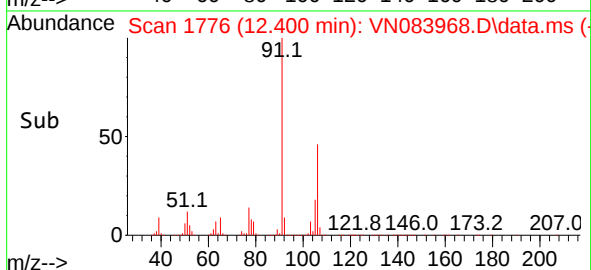
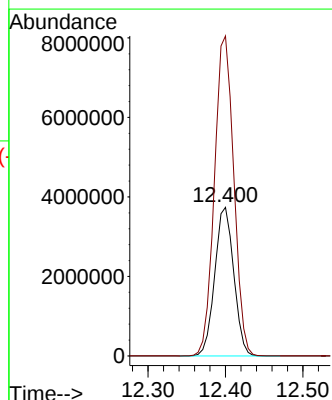
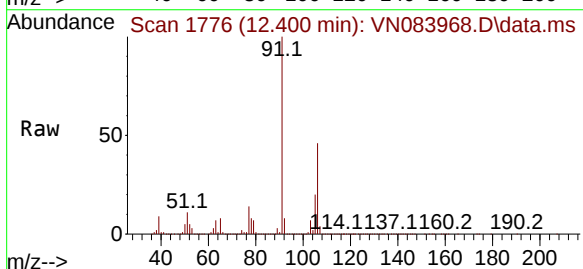
Instrument :
MSVOA_N
ClientSampleId :
FDF-4

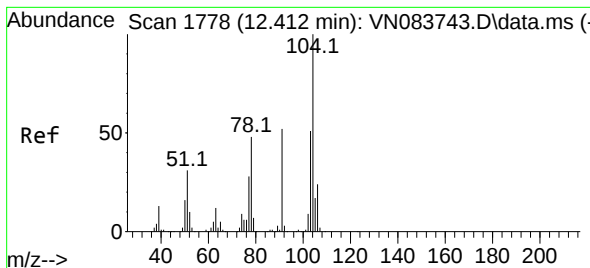
Tgt Ion:106 Resp:15208173
Ion Ratio Lower Upper
106 100
91 0.0 169.2 253.8#



#69
o-Xylene
Concen: 1588.729 ug/l
RT: 12.400 min Scan# 1776
Delta R.T. 0.006 min
Lab File: VN083968.D
Acq: 18 Sep 2024 07:33

Tgt Ion:106 Resp: 6364948
Ion Ratio Lower Upper
106 100
91 219.4 112.9 338.6





#70

Styrene

Concen: 48.758 ug/l

RT: 12.400 min Scan# 1

Delta R.T. -0.012 min

Lab File: VN083968.D

Acq: 18 Sep 2024 07:33

Instrument :

MSVOA_N

ClientSampleId :

FDF-4

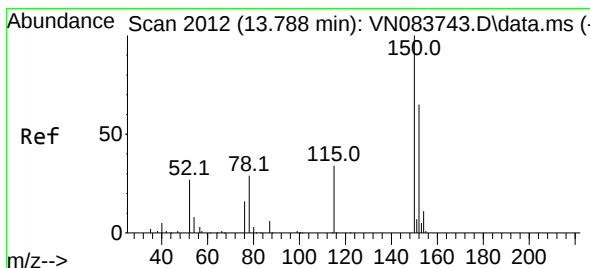
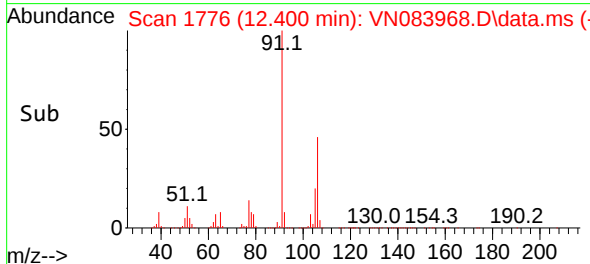
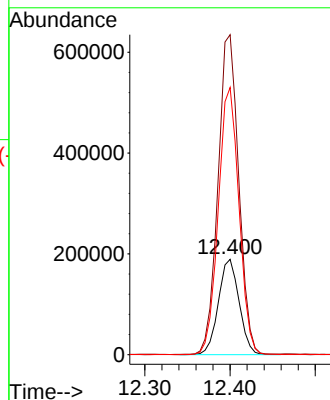
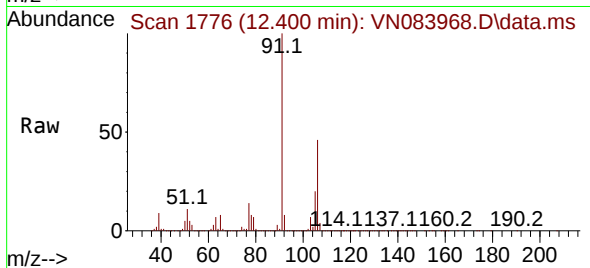
Tgt Ion:104 Resp: 320583

Ion Ratio Lower Upper

104 100

78 334.4 43.3 64.9#

103 278.9 43.4 65.2#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.794 min Scan# 2013

Delta R.T. 0.006 min

Lab File: VN083968.D

Acq: 18 Sep 2024 07:33

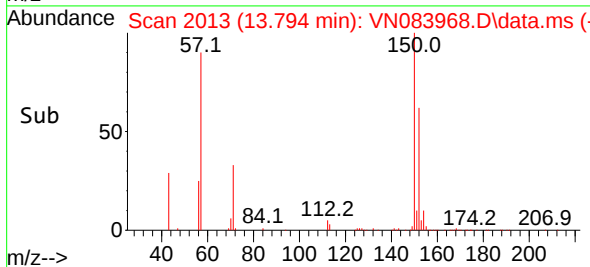
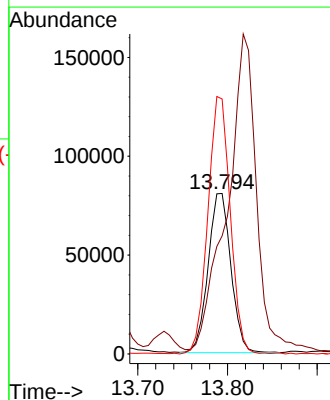
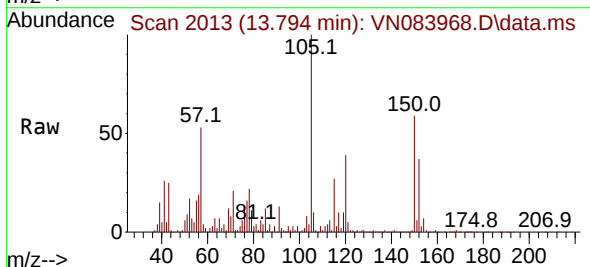
Tgt Ion:152 Resp: 142149

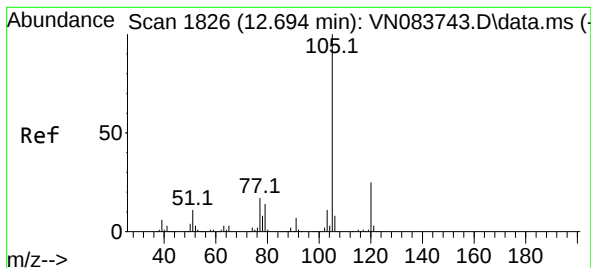
Ion Ratio Lower Upper

152 100

115 0.0 32.2 96.6#

150 159.0 0.0 348.6





#73

Isopropylbenzene

Concen: 308.106 ug/l

RT: 12.694 min Scan# 11

Delta R.T. 0.000 min

Lab File: VN083968.D

Acq: 18 Sep 2024 07:33

Instrument :

MSVOA_N

ClientSampleId :

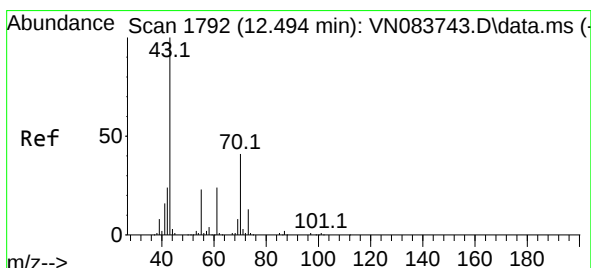
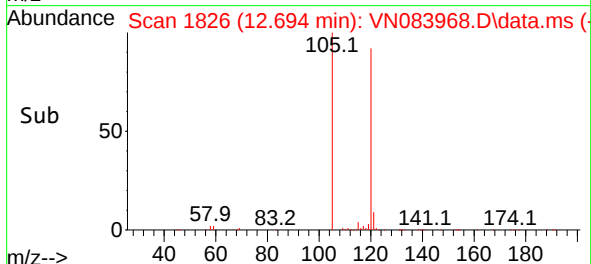
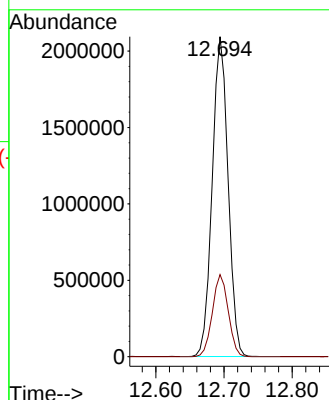
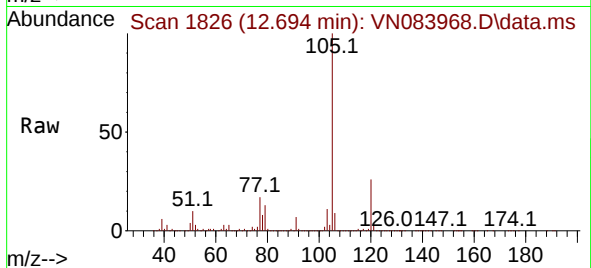
FDF-4

Tgt Ion:105 Resp: 3388411

Ion Ratio Lower Upper

105 100

120 25.7 12.6 37.8



#74

N-ethyl acetate

Concen: 22.960 ug/l

RT: 12.476 min Scan# 1789

Delta R.T. -0.018 min

Lab File: VN083968.D

Acq: 18 Sep 2024 07:33

Tgt Ion: 43 Resp: 107730

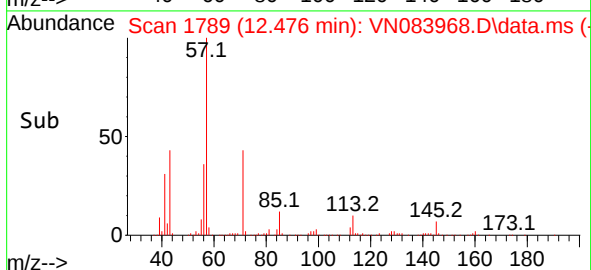
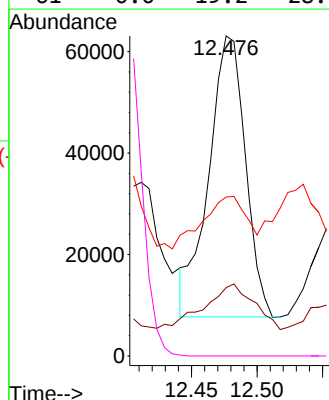
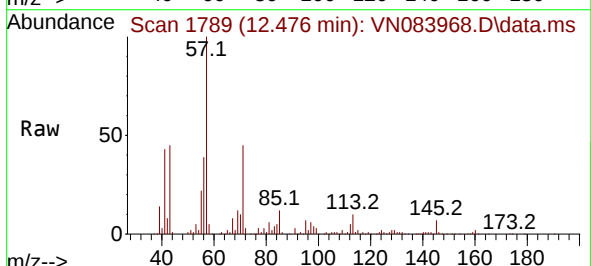
Ion Ratio Lower Upper

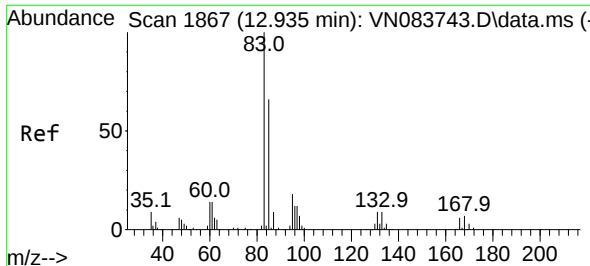
43 100

70 21.9 34.5 51.7#

55 22.3 18.6 28.0

61 0.0 19.2 28.8#

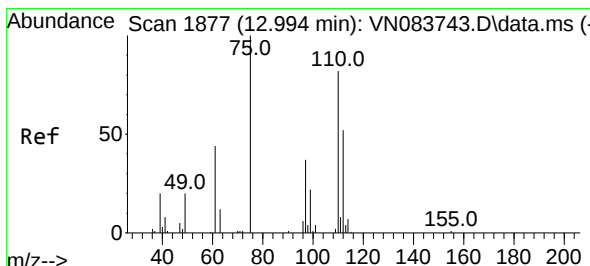
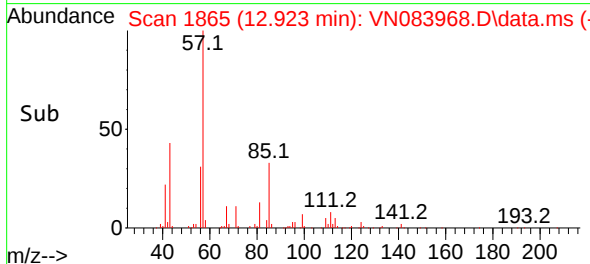
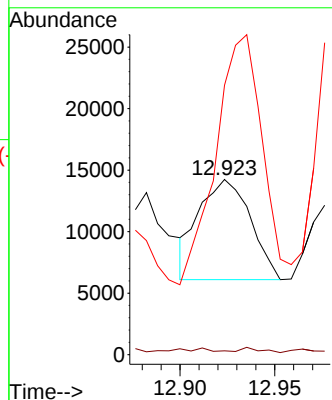
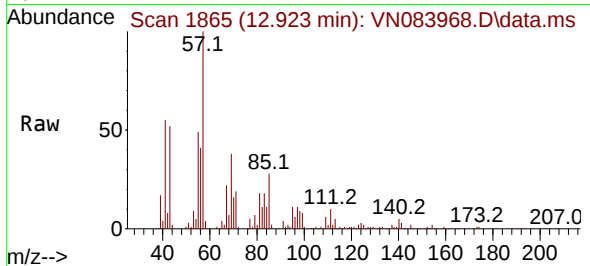




#75
1,1,2,2-Tetrachloroethane
Concen: 4.774 ug/l
RT: 12.923 min Scan# 1865
Delta R.T. -0.012 min
Lab File: VN083968.D
Acq: 18 Sep 2024 07:33

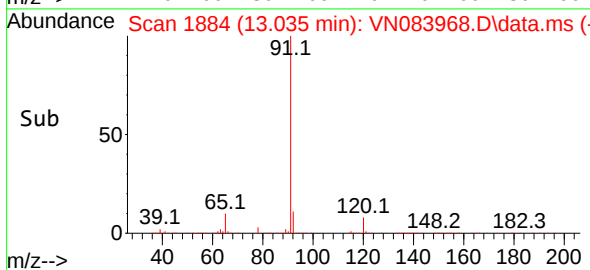
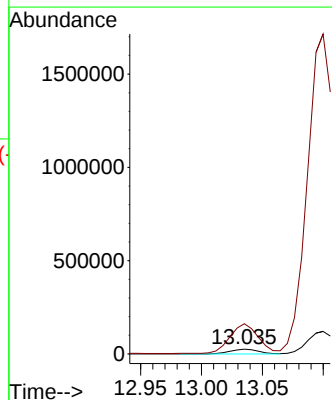
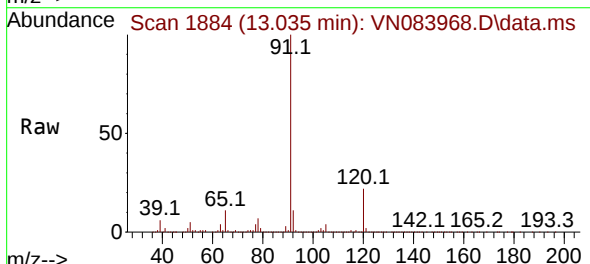
Instrument :
MSVOA_N
ClientSampleId :
FDF-4

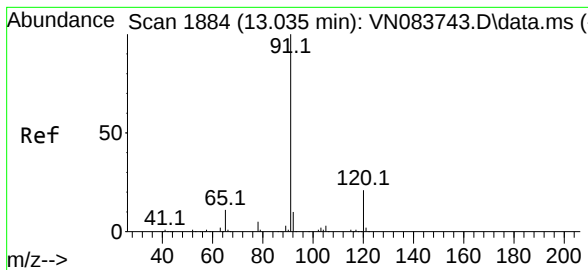
Tgt Ion: 83 Resp: 15425
Ion Ratio Lower Upper
83 100
131 1.8 5.2 15.6#
85 226.1 31.9 95.9#



#76
1,2,3-Trichloropropane
Concen: 14.528 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. 0.041 min
Lab File: VN083968.D
Acq: 18 Sep 2024 07:33

Tgt Ion: 75 Resp: 41670
Ion Ratio Lower Upper
75 100
77 629.0 95.2 285.6#

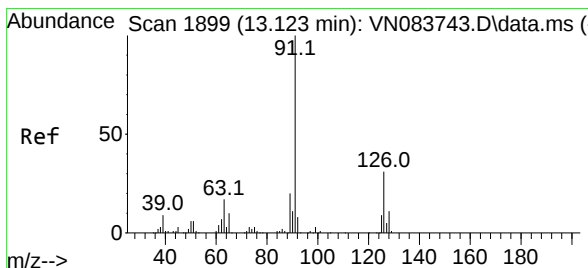
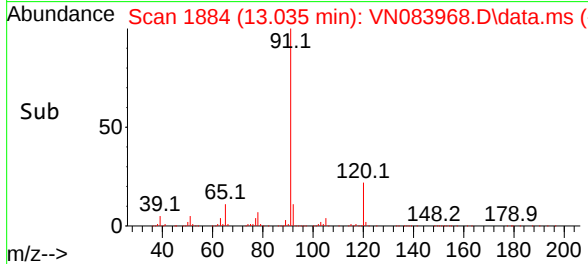
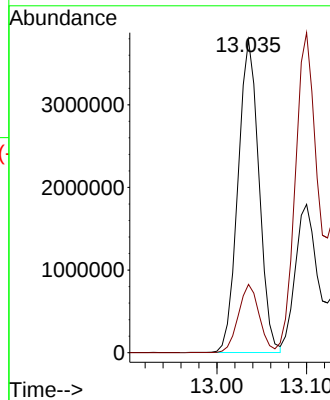
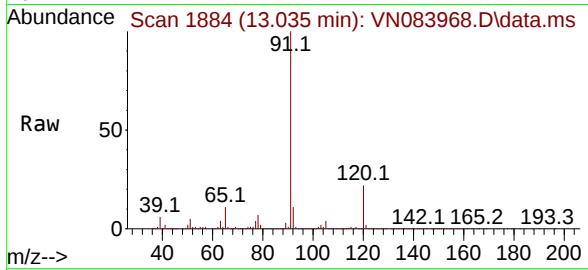




#78
n-propylbenzene
Concen: 479.139 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. 0.000 min
Lab File: VN083968.D
Acq: 18 Sep 2024 07:33

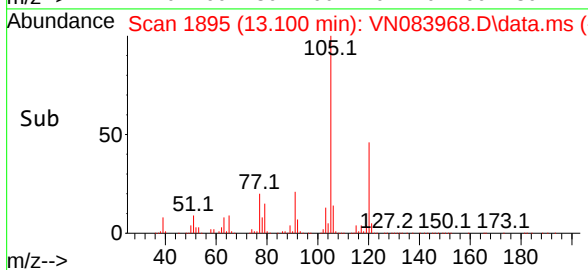
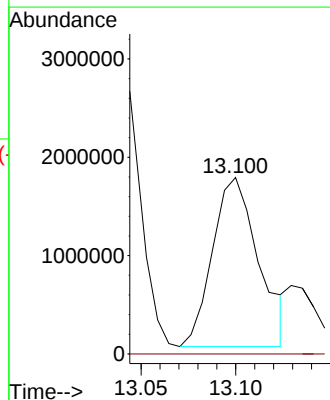
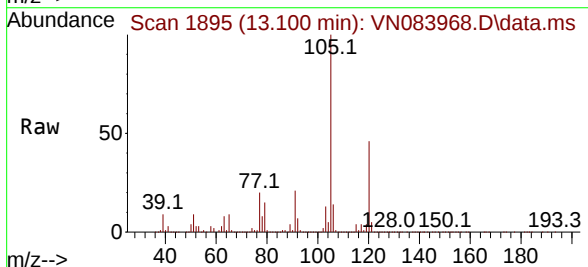
Instrument :
MSVOA_N
ClientSampleId :
FDF-4

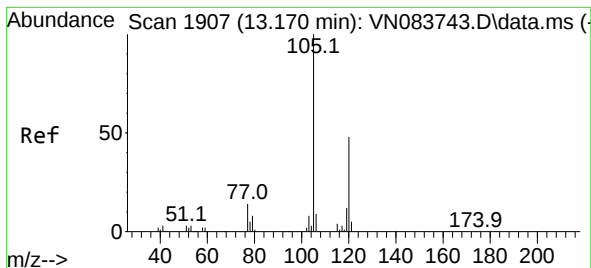
Tgt Ion: 91 Resp: 6130950
Ion Ratio Lower Upper
91 100
120 21.8 11.0 33.0



#79
2-Chlorotoluene
Concen: 356.377 ug/l
RT: 13.100 min Scan# 1895
Delta R.T. -0.024 min
Lab File: VN083968.D
Acq: 18 Sep 2024 07:33

Tgt Ion: 91 Resp: 2908214
Ion Ratio Lower Upper
91 100
126 0.0 15.4 46.2#





#80

1,3,5-Trimethylbenzene

Concen: 949.334 ug/l

RT: 13.176 min Scan# 1907

Delta R.T. 0.006 min

Lab File: VN083968.D

Acq: 18 Sep 2024 07:33

Instrument :

MSVOA_N

ClientSampleId :

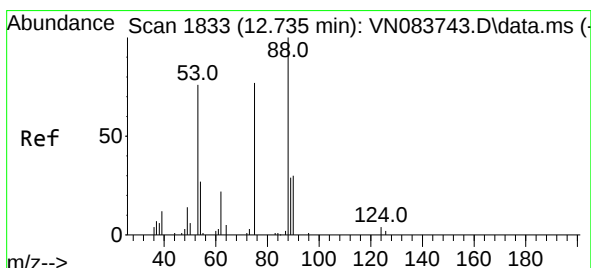
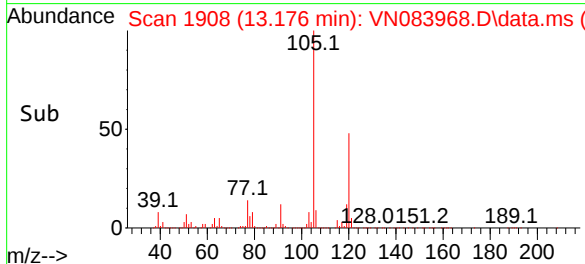
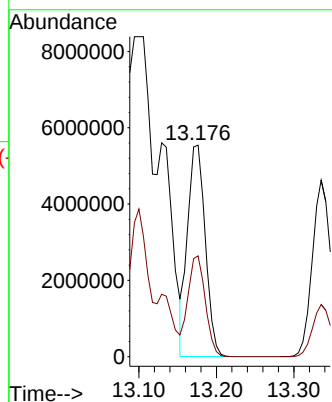
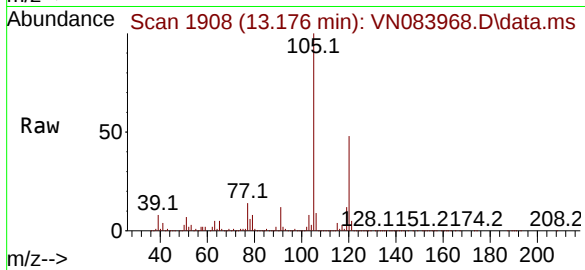
FDF-4

Tgt Ion:105 Resp: 8802205

Ion Ratio Lower Upper

105 100

120 46.8 23.4 70.3



#81

trans-1,4-Dichloro-2-butene

Concen: 39.332 ug/l

RT: 12.694 min Scan# 1826

Delta R.T. -0.041 min

Lab File: VN083968.D

Acq: 18 Sep 2024 07:33

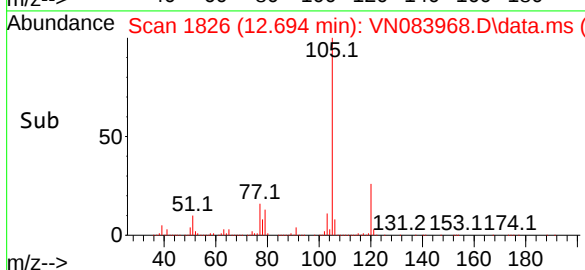
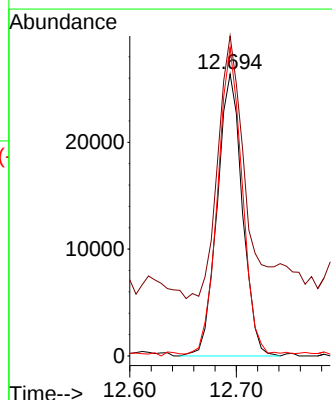
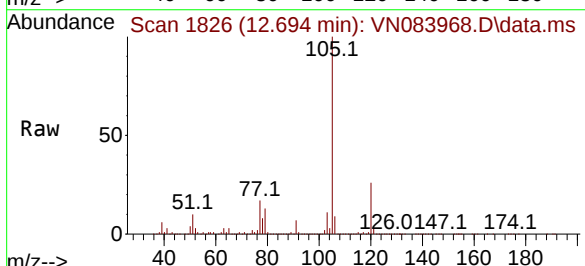
Tgt Ion: 75 Resp: 43074

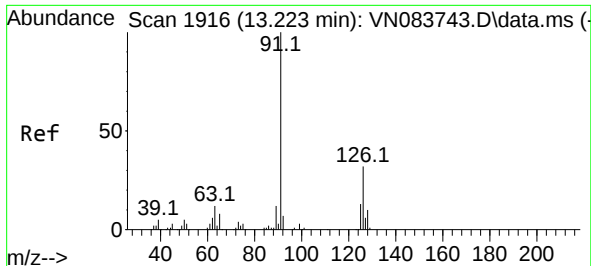
Ion Ratio Lower Upper

75 100

53 95.4 81.2 121.8

89 105.6 35.7 53.5#

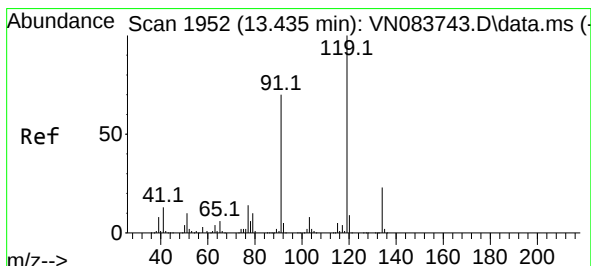
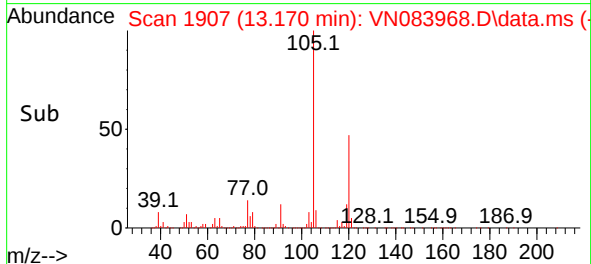
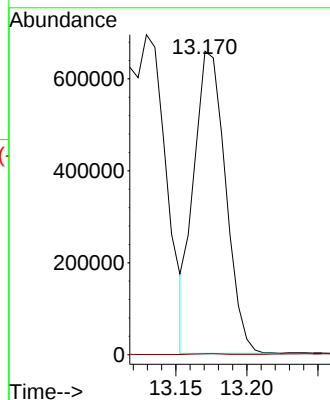
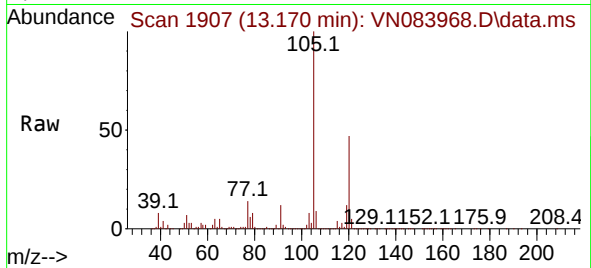




#82
4-Chlorotoluene
Concen: 124.827 ug/l
RT: 13.170 min Scan# 1916
Delta R.T. -0.053 min
Lab File: VN083968.D
Acq: 18 Sep 2024 07:33

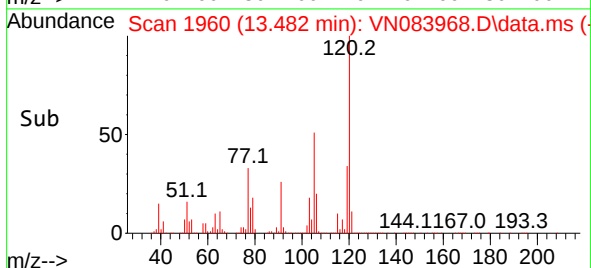
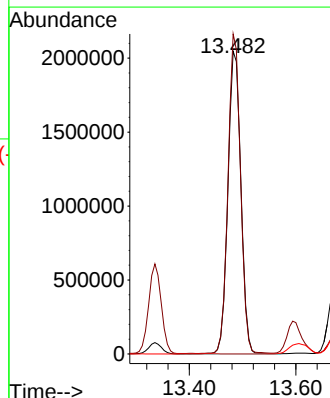
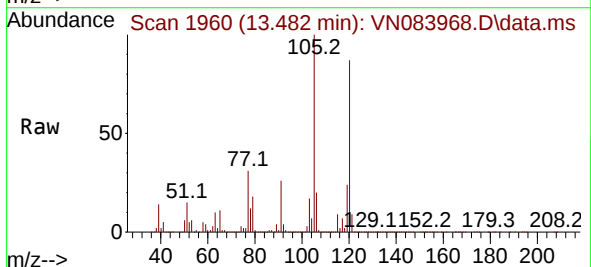
Instrument :
MSVOA_N
ClientSampleId :
FDF-4

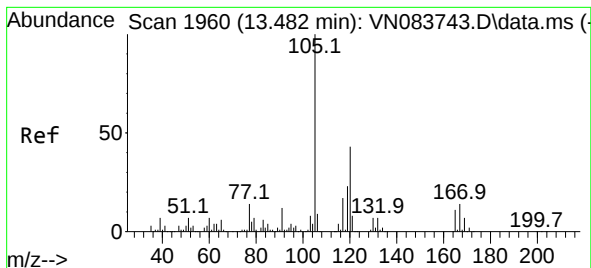
Tgt Ion: 91 Resp: 1022233
Ion Ratio Lower Upper
91 100
126 0.3 15.4 46.2#



#83
tert-Butylbenzene
Concen: 426.002 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. 0.047 min
Lab File: VN083968.D
Acq: 18 Sep 2024 07:33

Tgt Ion: 119 Resp: 3455723
Ion Ratio Lower Upper
119 100
91 102.1 34.5 103.6
134 0.0 12.8 38.4#





#84

1,2,4-Trimethylbenzene

Concen: 2112.445 ug/l

RT: 13.476 min Scan# 1959

Delta R.T. -0.006 min

Lab File: VN083968.D

Acq: 18 Sep 2024 07:33

Instrument :

MSVOA_N

ClientSampleId :

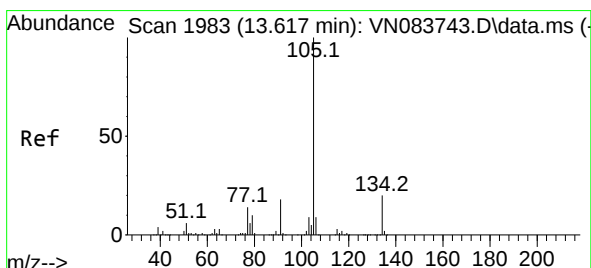
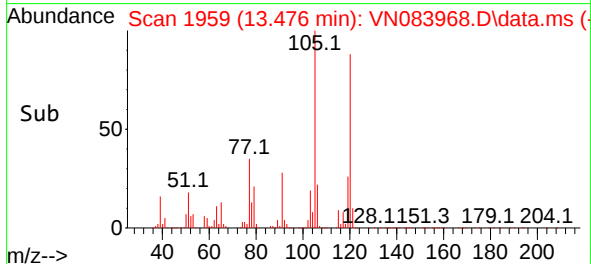
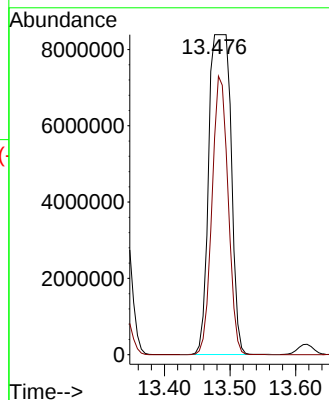
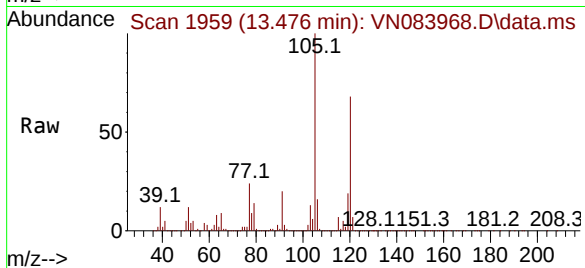
FDF-4

Tgt Ion:105 Resp:19674885

Ion Ratio Lower Upper

105 100

120 63.2 21.8 65.4



#85

sec-Butylbenzene

Concen: 1828.815 ug/l

RT: 13.476 min Scan# 1959

Delta R.T. -0.141 min

Lab File: VN083968.D

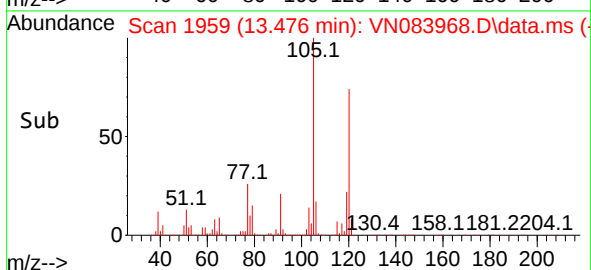
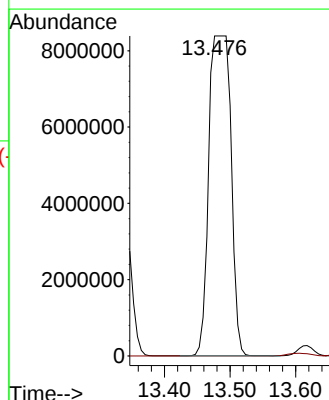
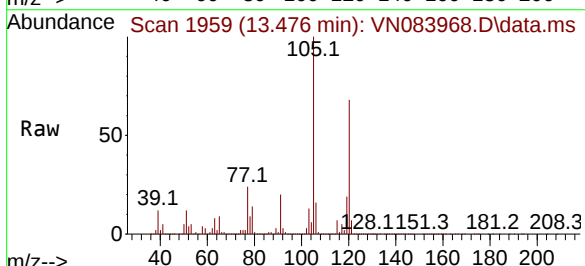
Acq: 18 Sep 2024 07:33

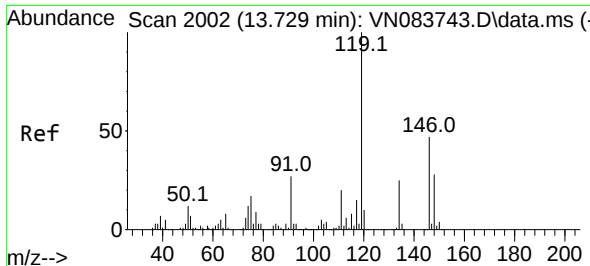
Tgt Ion:105 Resp:19674885

Ion Ratio Lower Upper

105 100

134 0.0 9.7 29.1#

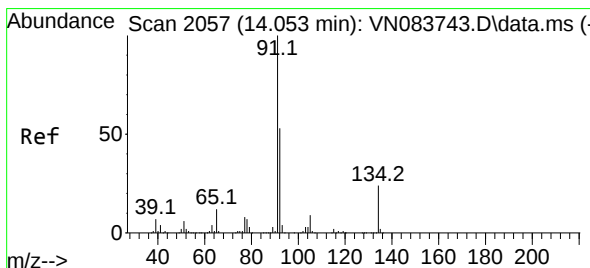
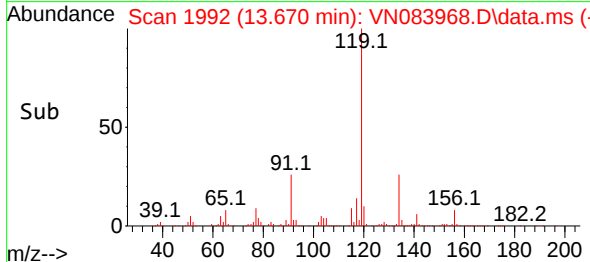
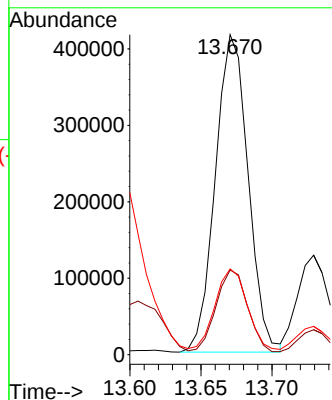
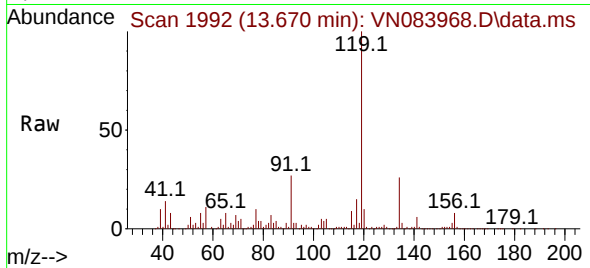




#86
p-Isopropyltoluene
Concen: 73.969 ug/l
RT: 13.670 min Scan# 1992
Delta R.T. -0.059 min
Lab File: VN083968.D
Acq: 18 Sep 2024 07:33

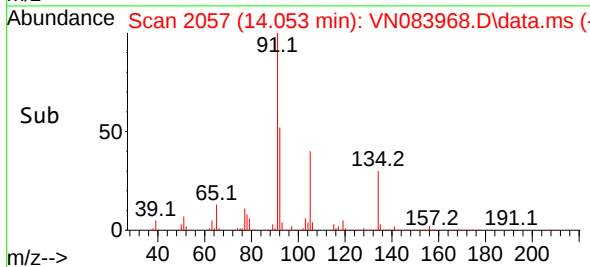
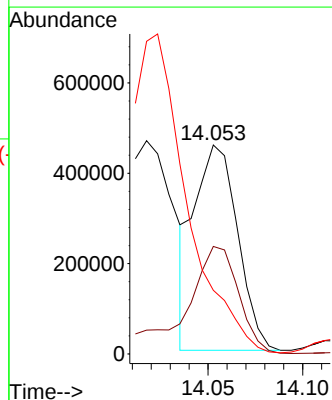
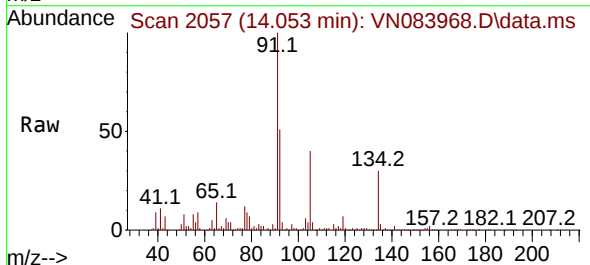
Instrument :
MSVOA_N
ClientSampleId :
FDF-4

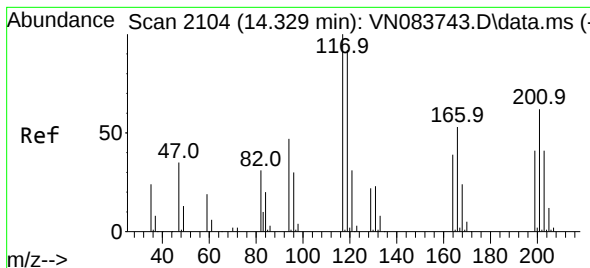
Tgt Ion:119 Resp: 667079
Ion Ratio Lower Upper
119 100
134 26.7 12.8 38.3
91 24.3 12.9 38.7



#89
n-Butylbenzene
Concen: 89.097 ug/l
RT: 14.053 min Scan# 2057
Delta R.T. 0.000 min
Lab File: VN083968.D
Acq: 18 Sep 2024 07:33

Tgt Ion: 91 Resp: 721419
Ion Ratio Lower Upper
91 100
92 61.2 26.7 80.1
134 0.0 12.2 36.4#





#90

Hexachloroethane

Concen: 169.584 ug/l

RT: 14.329 min Scan# 2104

Delta R.T. 0.000 min

Lab File: VN083968.D

Acq: 18 Sep 2024 07:33

Instrument :

MSVOA_N

ClientSampleId :

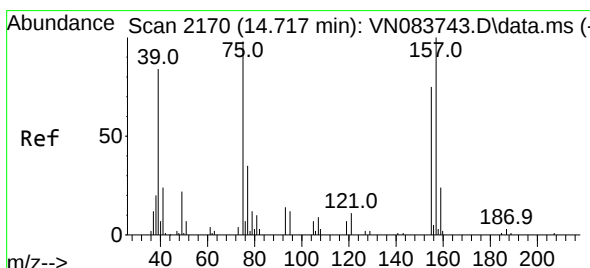
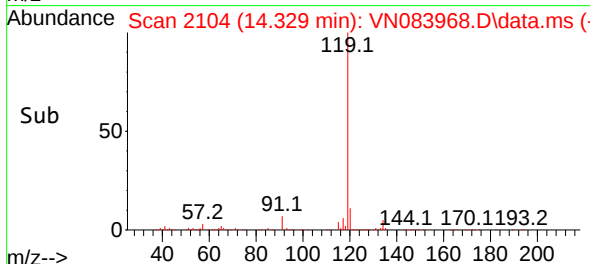
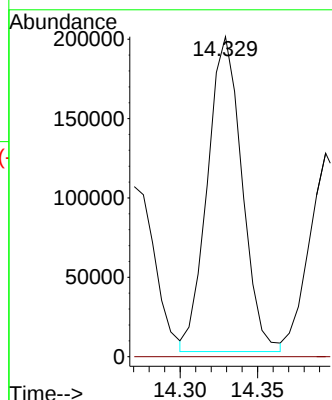
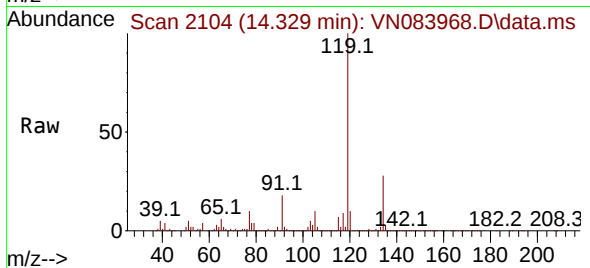
FDF-4

Tgt Ion:117 Resp: 307430

Ion Ratio Lower Upper

117 100

201 0.0 32.8 98.3#



#92

1,2-Dibromo-3-Chloropropane

Concen: 30.239 ug/l

RT: 14.694 min Scan# 2166

Delta R.T. -0.024 min

Lab File: VN083968.D

Acq: 18 Sep 2024 07:33

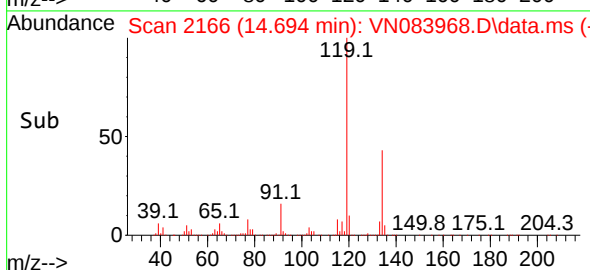
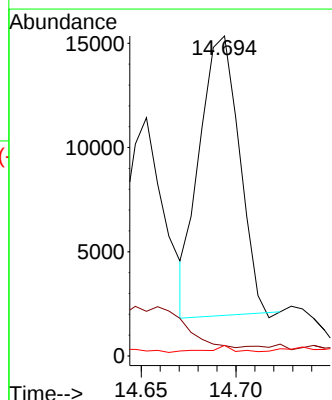
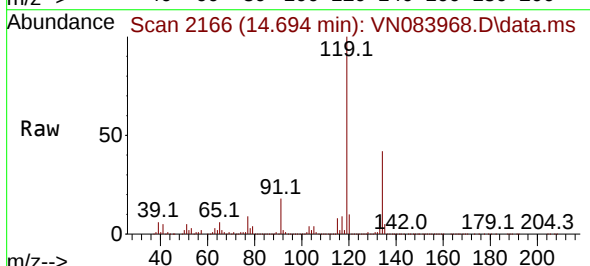
Tgt Ion: 75 Resp: 19478

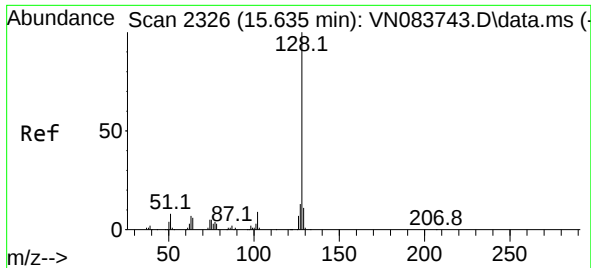
Ion Ratio Lower Upper

75 100

155 0.0 35.9 107.7#

157 0.0 47.5 142.5#





#95
Naphthalene
Concen: 431.945 ug/l
RT: 15.635 min Scan# 21
Delta R.T. 0.000 min
Lab File: VN083968.D
Acq: 18 Sep 2024 07:33

Instrument :
MSVOA_N
ClientSampleId :
FDF-4

Tgt Ion:128 Resp: 3400155
Ion Ratio Lower Upper
128 100
127 13.1 10.2 15.2
129 10.8 8.7 13.1

