

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW041123\
 Data File : VW030486.D
 Acq On : 11 Apr 2023 09:50
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005328

Quant Time: Apr 12 04:55:04 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR032323WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Tue Apr 11 06:24:59 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	5.542	114	104324	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.792	117	105293	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.194	152	61464	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.282	65	28004	4.053	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	81.000%
7) Chloroethane-d5	1.536	69	31394	4.682	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	93.600%
11) 1,1-Dichloroethene-d2	2.066	63	79420	4.844	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	96.800%
20) 2-Butanone-d5	3.828	46	88815	49.732	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	99.460%
24) Chloroform-d	4.259	84	87029	5.204	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	104.000%
26) 1,2-Dichloroethane-d4	4.950	65	42326	5.365	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	107.200%
32) Benzene-d6	4.969	84	149197	5.028	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.600%
36) 1,2-Dichloropropane-d6	5.995	67	46732	5.031	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	100.600%
41) Toluene-d8	7.249	98	142864	5.243	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	104.800%
43) trans-1,3-Dichloroprop...	7.561	79	16260	4.649	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	93.000%
46) 2-Hexanone-d5	8.034	63	71667	50.995	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	101.980%
56) 1,1,2,2-Tetrachloroeth...	10.159	84	36472	4.982	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	99.600%
66) 1,2-Dichlorobenzene-d4	11.570	152	54563	4.967	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	99.400%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.108	85	64997	4.901	ug/L	99
3) Chloromethane	1.217	50	70796	4.230	ug/L	98
5) Vinyl chloride	1.285	62	59866	4.907	ug/L	98
6) Bromomethane	1.491	94	22417	6.442	ug/L	99
8) Chloroethane	1.555	64	36765	5.261	ug/L	100
9) Trichlorofluoromethane	1.719	101	100036	5.625	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.072	101	53758	5.476	ug/L	97
12) 1,1-Dichloroethene	2.072	96	48155	5.524	ug/L	94
13) Acetone	2.156	43	91955	53.845	ug/L	80
14) Carbon disulfide	2.246	76	144191	5.022	ug/L	99
15) Methyl Acetate	2.391	43	16769	5.495	ug/L	92
16) Methylene chloride	2.452	84	51533	4.998	ug/L	100
17) Methyl tert-butyl Ether	2.712	73	92060	4.987	ug/L	99
18) trans-1,2-Dichloroethene	2.699	96	46519	5.066	ug/L	99
19) 1,1-Dichloroethane	3.117	63	90206	5.067	ug/L	98
21) 2-Butanone	3.902	43	113181	52.655	ug/L	92
22) cis-1,2-Dichloroethene	3.825	96	46928	5.092	ug/L	99
23) Bromochloromethane	4.156	128	22527	5.234	ug/L	90
25) Chloroform	4.285	83	98023	5.449	ug/L	96

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 Data File : VW030486.D
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 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005328

Quant Time: Apr 12 04:55:04 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR032323WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Tue Apr 11 06:24:59 2023
 Response via : Initial Calibration

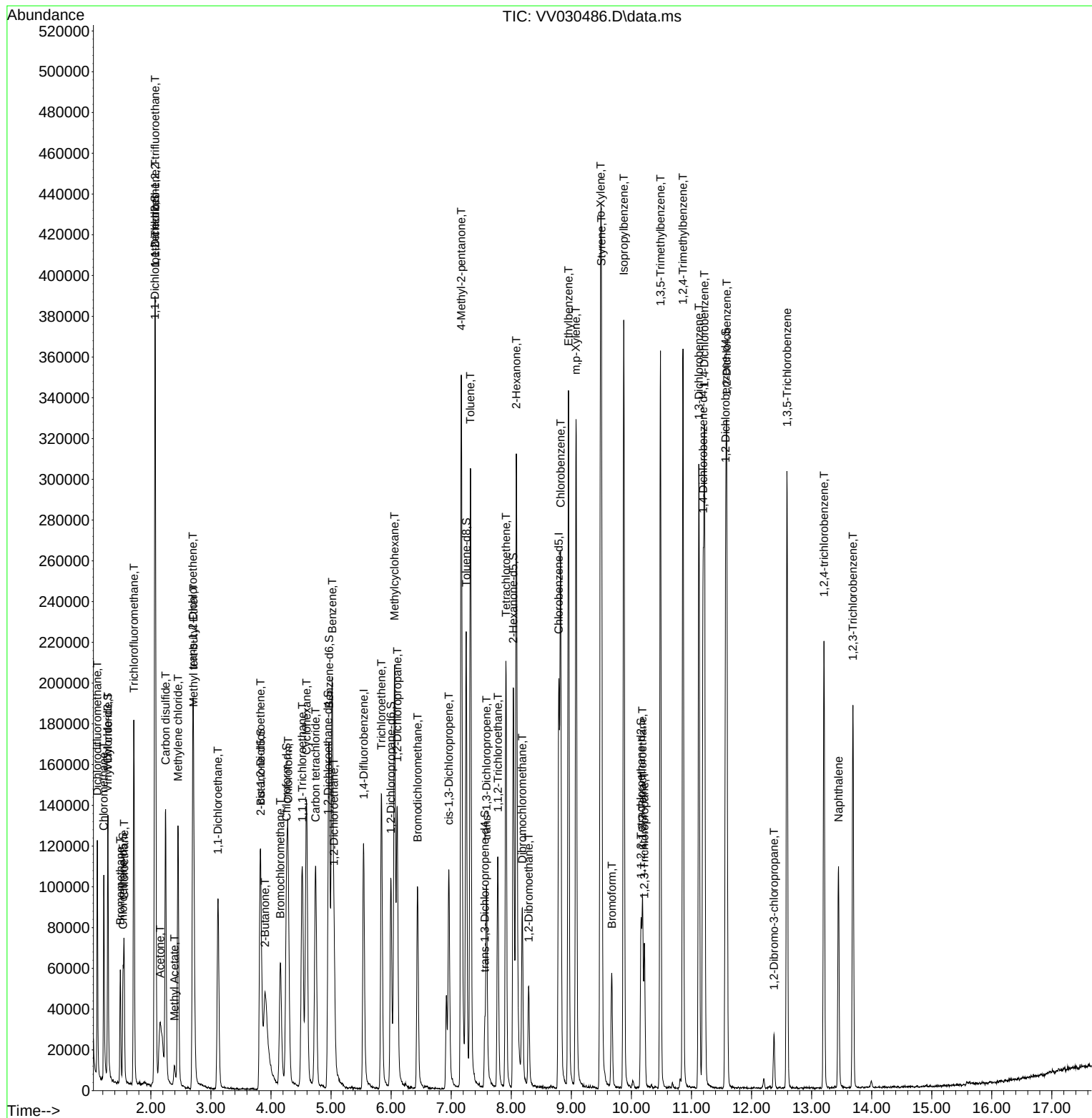
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27) 1,2-Dichloroethane	5.050	62	57964	5.329	ug/L	99
29) 1,1,1-Trichloroethane	4.519	97	91183	5.388	ug/L	99
30) Cyclohexane	4.590	56	71913	4.665	ug/L	97
31) Carbon tetrachloride	4.744	117	82695	5.385	ug/L	99
33) Benzene	5.018	78	195753	5.234	ug/L	100
34) Trichloroethene	5.838	95	50154	4.973	ug/L	96
35) Methylcyclohexane	6.056	83	75362	4.760	ug/L	97
37) 1,2-Dichloropropane	6.101	63	48981	5.102	ug/L	99
38) Bromodichloromethane	6.439	83	64692	5.145	ug/L	99
39) cis-1,3-Dichloropropene	6.960	75	65035	4.817	ug/L	99
40) 4-Methyl-2-pentanone	7.169	43	254065	50.218	ug/L	97
42) Toluene	7.320	91	218894	5.495	ug/L	100
44) trans-1,3-Dichloropropene	7.587	75	56634	4.930	ug/L	99
45) 1,1,2-Trichloroethane	7.776	97	34854	5.156	ug/L	97
47) Tetrachloroethene	7.911	164	47705	5.359	ug/L	97
48) 2-Hexanone	8.085	43	211446	55.805	ug/L	98
49) Dibromochloromethane	8.185	129	42961	5.339	ug/L	98
50) 1,2-Dibromoethane	8.291	107	31656	5.147	ug/L	95
51) Chlorobenzene	8.821	112	135366	5.307	ug/L	98
52) Ethylbenzene	8.953	91	226742	5.203	ug/L	98
53) m,p-Xylene	9.079	106	91089	5.460	ug/L	98
54) o-Xylene	9.487	106	83897	5.256	ug/L	99
55) Styrene	9.503	104	150680	5.557	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.185	83	39347	4.904	ug/L	99
59) Bromoform	9.673	173	25612	5.156	ug/L	100
60) Isopropylbenzene	9.873	105	228074	5.032	ug/L	99
61) 1,2,3-Trichloropropane	10.217	75	26537	4.829	ug/L	97
62) 1,3,5-Trimethylbenzene	10.484	105	182870	4.944	ug/L	98
63) 1,2,4-Trimethylbenzene	10.860	105	189009	5.014	ug/L	99
64) 1,3-Dichlorobenzene	11.124	146	119825	5.301	ug/L	98
65) 1,4-Dichlorobenzene	11.217	146	120469	5.290	ug/L	98
67) 1,2-Dichlorobenzene	11.587	146	106442	5.226	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.374	75	6685	4.891	ug/L	98
69) 1,3,5-Trichlorobenzene	12.590	180	92413	5.310	ug/L	98
70) 1,2,4-trichlorobenzene	13.207	180	66350	4.938	ug/L	98
71) Naphthalene	13.448	128	84006	4.377	ug/L	100
72) 1,2,3-Trichlorobenzene	13.689	180	56697	4.871	ug/L	99

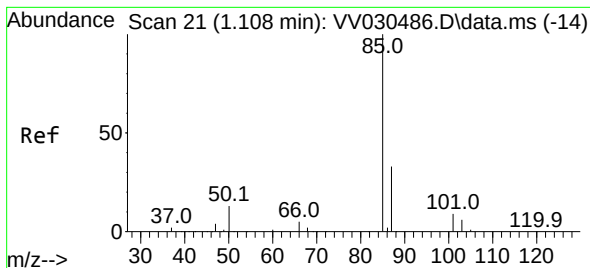
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Data File : VW030486.D  
Acq On    : 11 Apr 2023  09:50  
Operator  : SY/MD  
Sample    : VSTDCCC005  
Misc      : 25.0mL/MSVOA_V/WATER  
ALS Vial  : 2    Sample Multiplier: 1
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Instrument :
MSVOA_V
ClientSampleId :
VSTD005328

Quant Time: Apr 12 04:55:04 2023
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QLast Update : Tue Apr 11 06:24:59 2023
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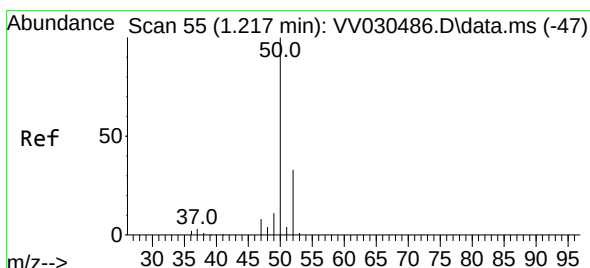
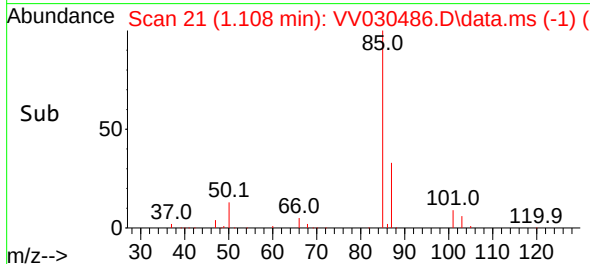
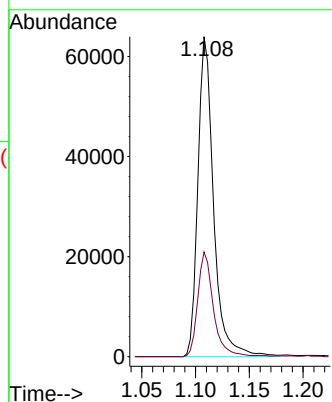
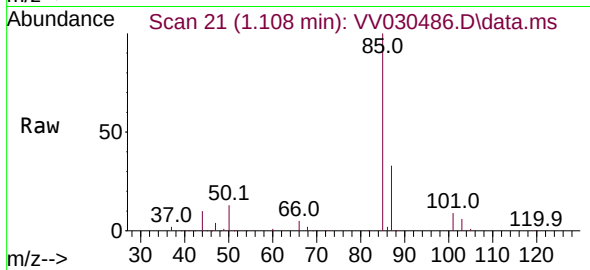




#2
 Dichlorodifluoromethane
 Concen: 4.901 ug/L
 RT: 1.108 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VV030486.D
 Acq: 11 Apr 2023 09:50

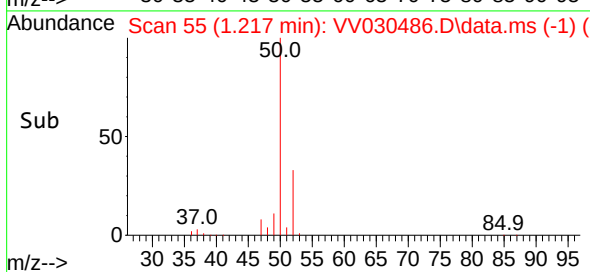
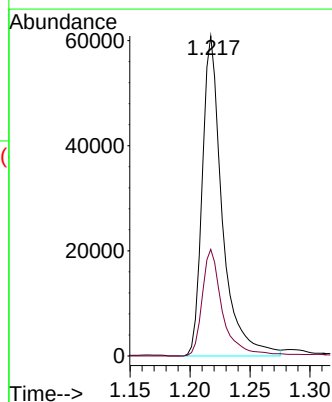
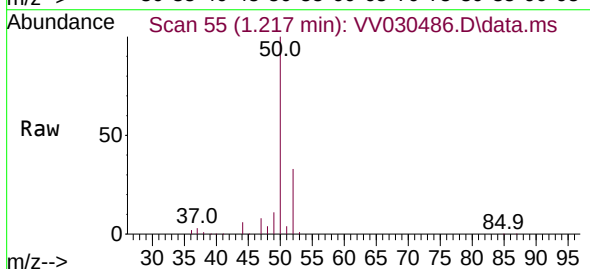
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 ClientSampleId :
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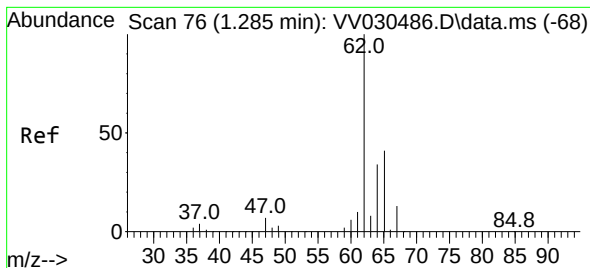
Tgt Ion: 85 Resp: 64997
 Ion Ratio Lower Upper
 85 100
 87 32.4 25.6 38.4



#3
 Chloromethane
 Concen: 4.230 ug/L
 RT: 1.217 min Scan# 55
 Delta R.T. 0.000 min
 Lab File: VV030486.D
 Acq: 11 Apr 2023 09:50

Tgt Ion: 50 Resp: 70796
 Ion Ratio Lower Upper
 50 100
 52 33.3 22.3 41.5

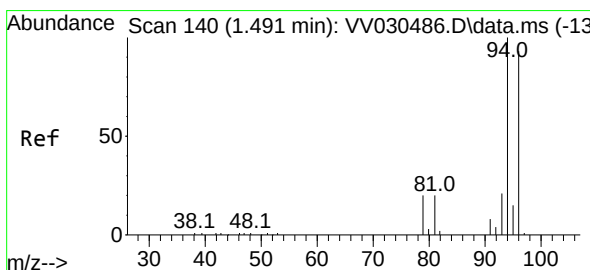
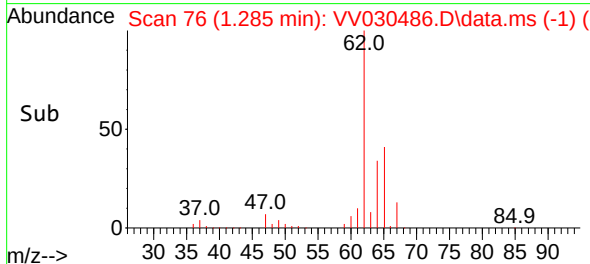
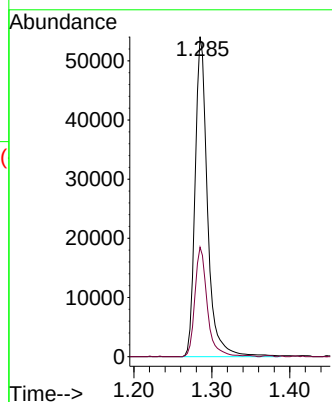
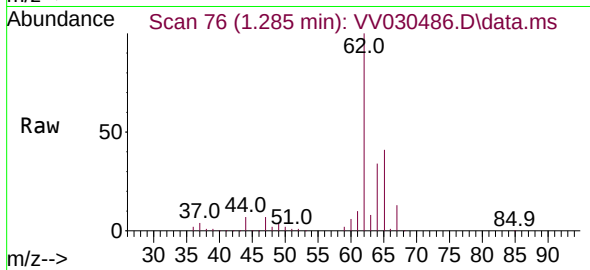




#5
 Vinyl chloride
 Concen: 4.907 ug/L
 RT: 1.285 min Scan# 76
 Delta R.T. 0.000 min
 Lab File: VV030486.D
 Acq: 11 Apr 2023 09:50

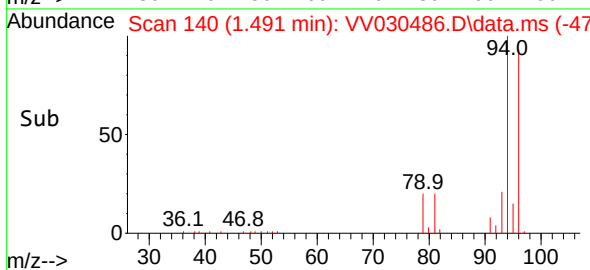
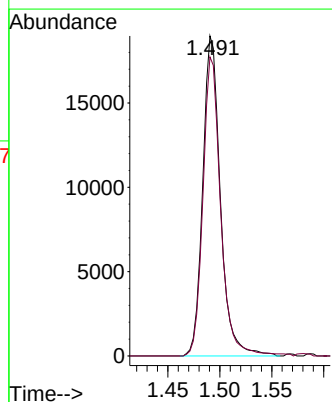
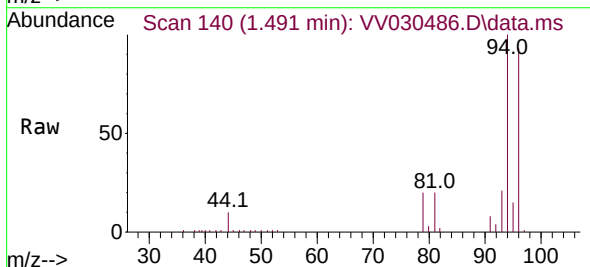
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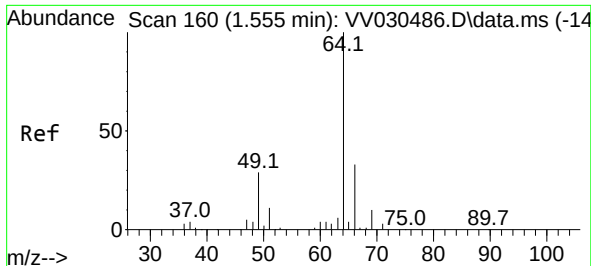
Tgt Ion: 62 Resp: 59866
 Ion Ratio Lower Upper
 62 100
 64 34.2 23.2 43.2



#6
 Bromomethane
 Concen: 6.442 ug/L
 RT: 1.491 min Scan# 140
 Delta R.T. 0.000 min
 Lab File: VV030486.D
 Acq: 11 Apr 2023 09:50

Tgt Ion: 94 Resp: 22417
 Ion Ratio Lower Upper
 94 100
 96 93.5 66.1 122.7

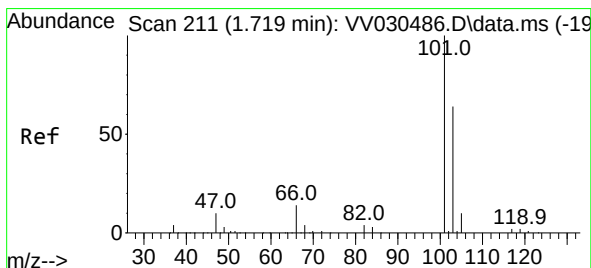
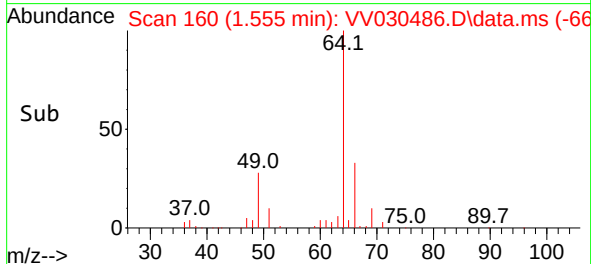
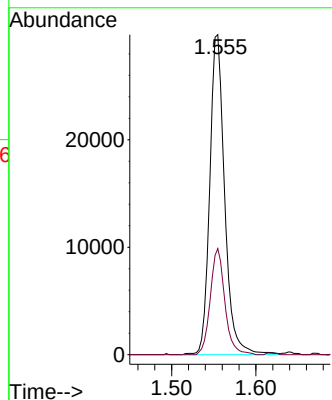
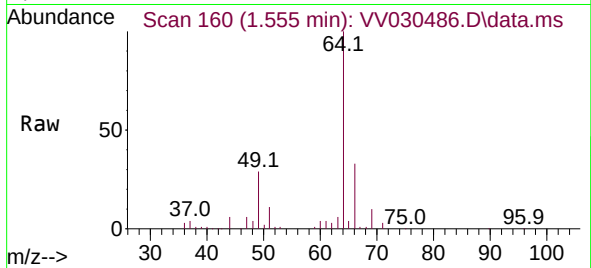




#8
Chloroethane
Concen: 5.261 ug/L
RT: 1.555 min Scan# 160
Delta R.T. 0.003 min
Lab File: VV030486.D
Acq: 11 Apr 2023 09:50

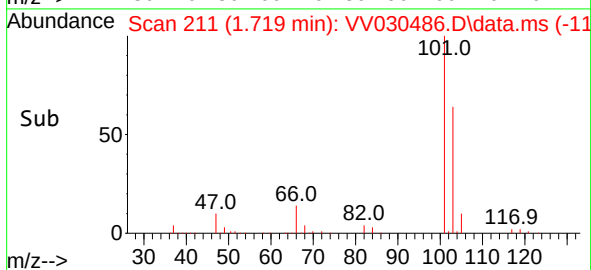
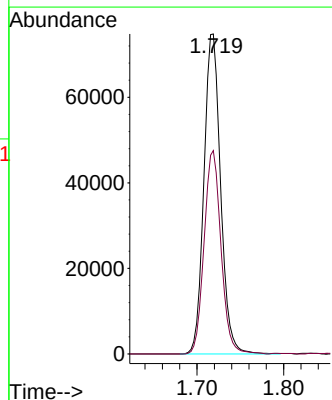
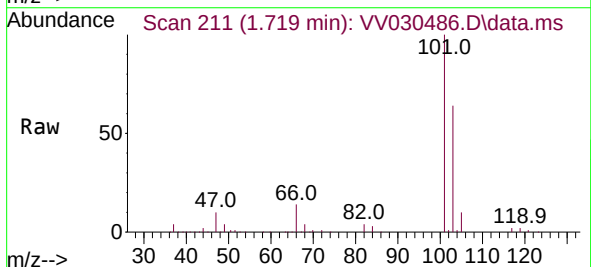
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ClientSampleId :
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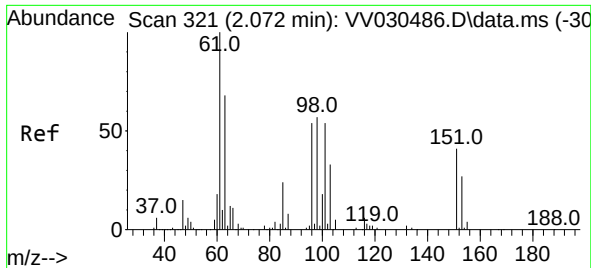
Tgt Ion: 64 Resp: 36765
Ion Ratio Lower Upper
64 100
66 33.1 23.0 42.8



#9
Trichlorofluoromethane
Concen: 5.625 ug/L
RT: 1.719 min Scan# 211
Delta R.T. 0.000 min
Lab File: VV030486.D
Acq: 11 Apr 2023 09:50

Tgt Ion:101 Resp: 100036
Ion Ratio Lower Upper
101 100
103 64.4 51.0 76.6

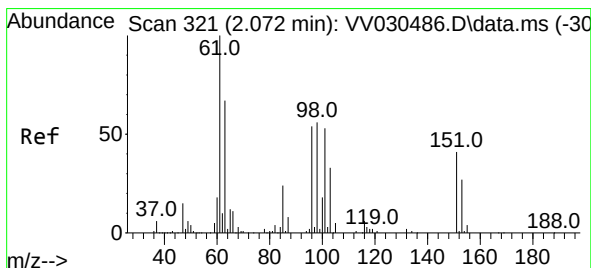
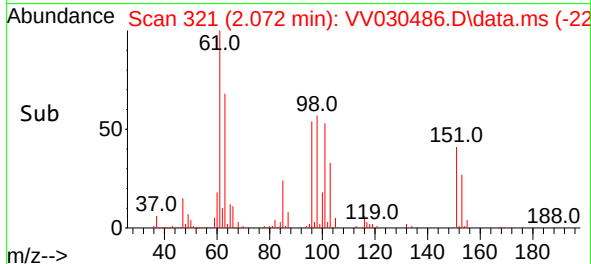
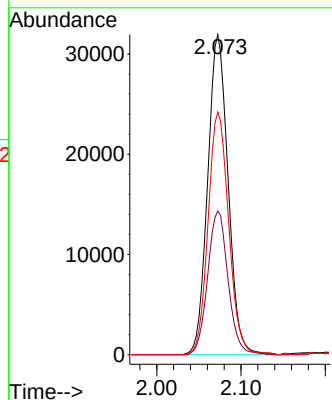
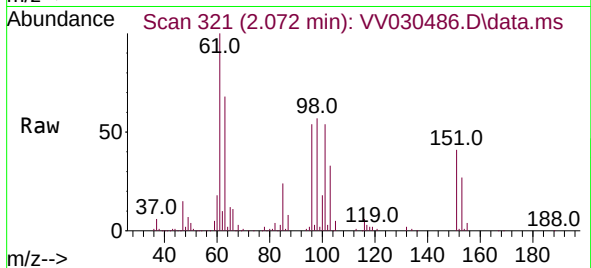




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 5.476 ug/L
 RT: 2.072 min Scan# 321
 Delta R.T. 0.000 min
 Lab File: VV030486.D
 Acq: 11 Apr 2023 09:50

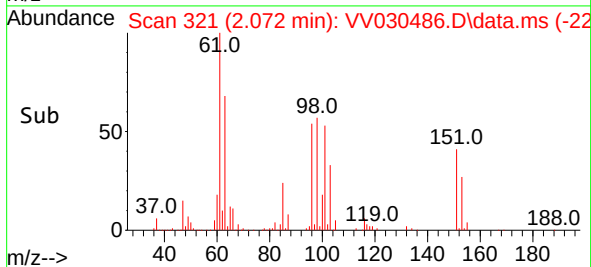
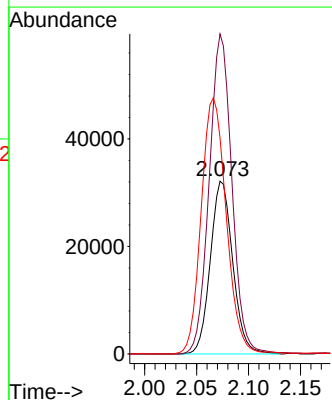
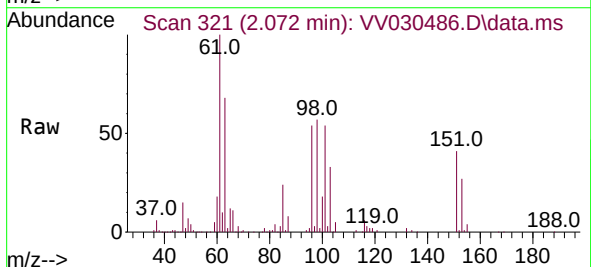
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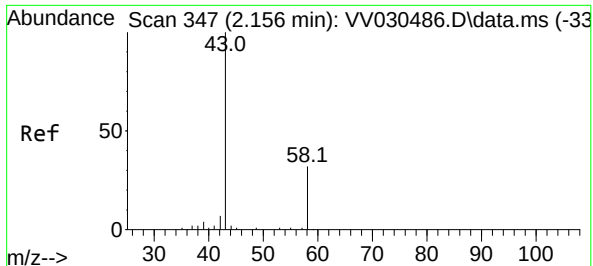
Tgt Ion:101 Resp: 53758
 Ion Ratio Lower Upper
 101 100
 85 44.8 38.1 57.1
 151 76.8 62.7 94.1



#12
 1,1-Dichloroethene
 Concen: 5.524 ug/L
 RT: 2.072 min Scan# 321
 Delta R.T. 0.000 min
 Lab File: VV030486.D
 Acq: 11 Apr 2023 09:50

Tgt Ion: 96 Resp: 48155
 Ion Ratio Lower Upper
 96 100
 61 185.1 136.3 253.1
 63 125.0 92.1 171.1





#13

Acetone

Concen: 53.845 ug/L

RT: 2.156 min Scan# 347

Delta R.T. -0.003 min

Lab File: VV030486.D

Acq: 11 Apr 2023 09:50

Instrument :

MSVOA_V

ClientSampleId :

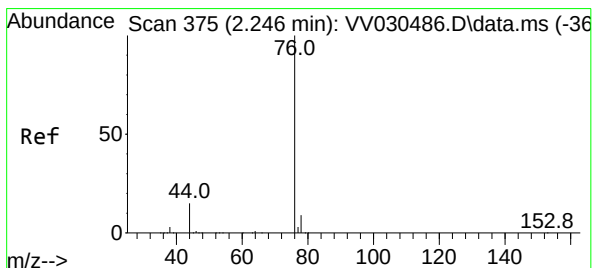
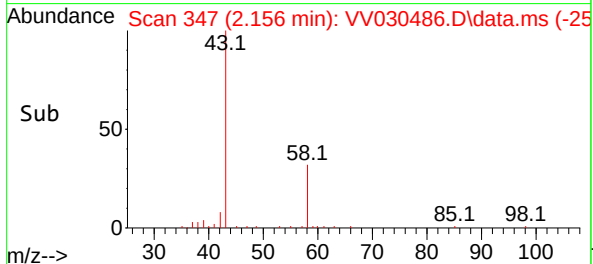
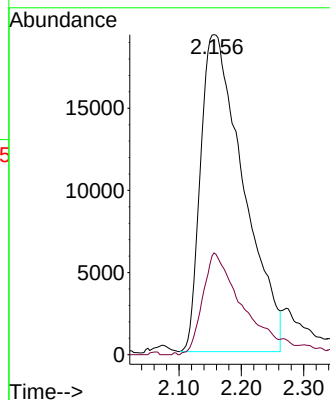
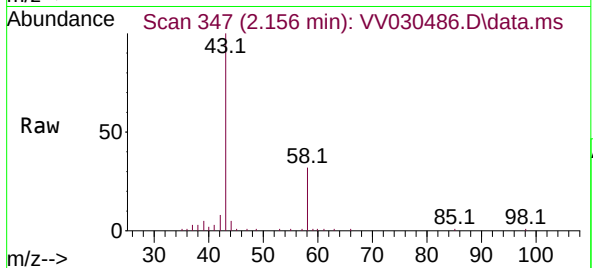
VSTD005328

Tgt Ion: 43 Resp: 91955

Ion Ratio Lower Upper

43 100

58 29.4 0.0 40.8



#14

Carbon disulfide

Concen: 5.022 ug/L

RT: 2.246 min Scan# 375

Delta R.T. 0.000 min

Lab File: VV030486.D

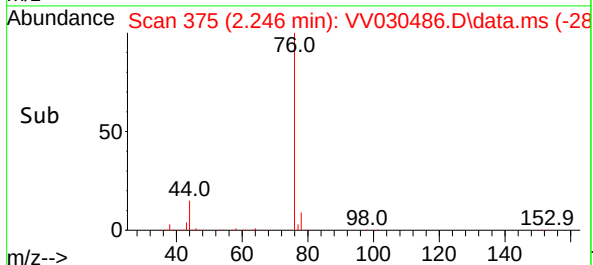
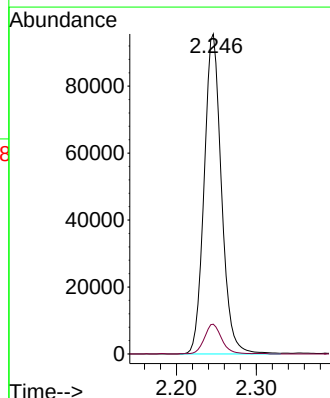
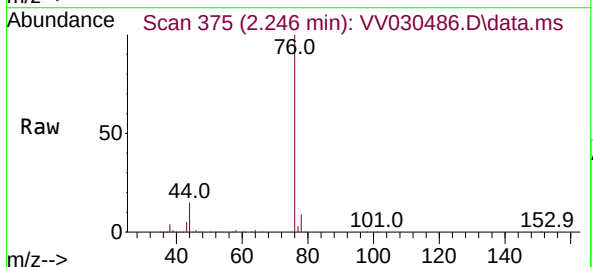
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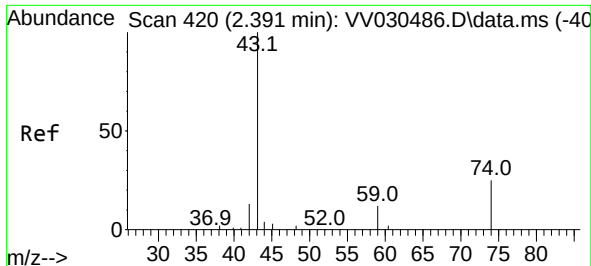
Tgt Ion: 76 Resp: 144191

Ion Ratio Lower Upper

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78 9.3 7.3 10.9

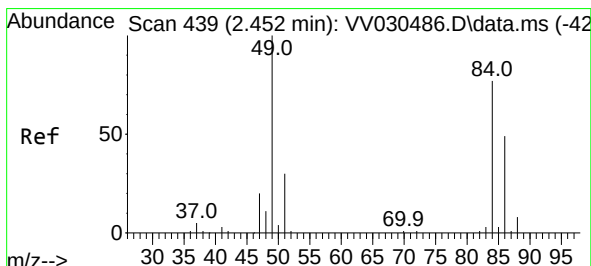
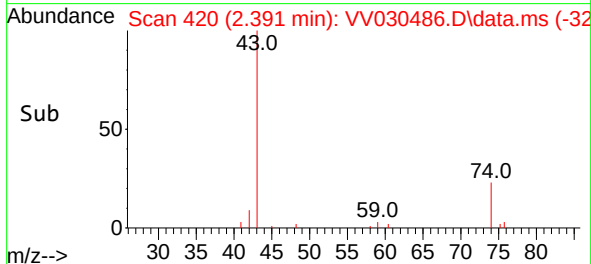
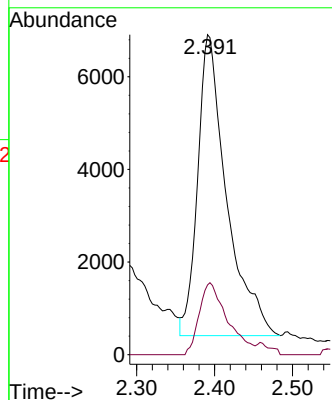
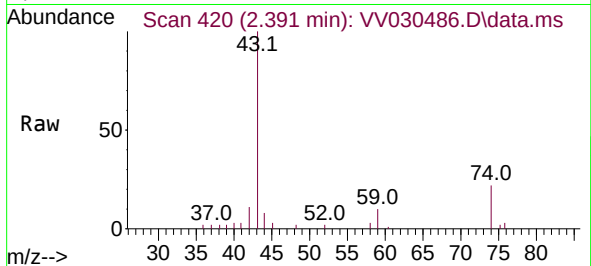




#15
Methyl Acetate
Concen: 5.495 ug/L
RT: 2.391 min Scan# 41
Delta R.T. 0.000 min
Lab File: VV030486.D
Acq: 11 Apr 2023 09:50

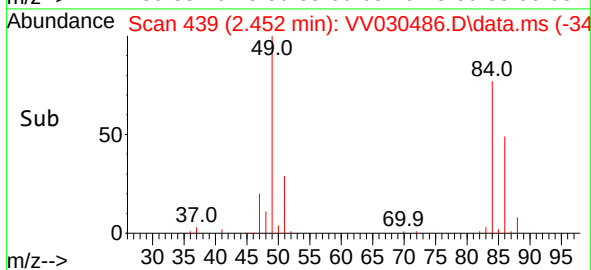
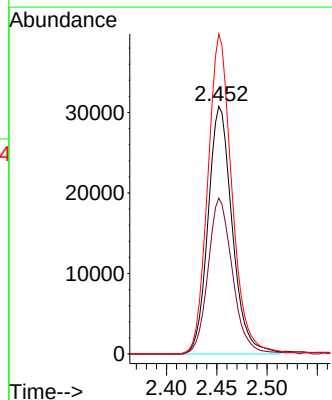
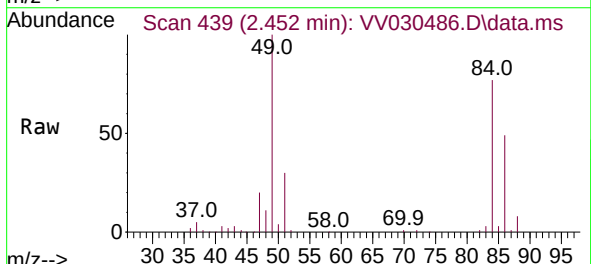
Instrument :
MSVOA_V
ClientSampleId :
VSTD005328

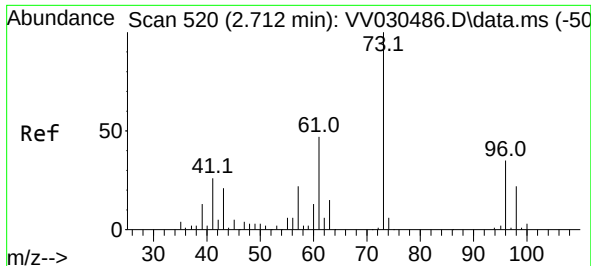
Tgt Ion: 43 Resp: 16769
Ion Ratio Lower Upper
43 100
74 23.4 22.1 33.1



#16
Methylene chloride
Concen: 4.998 ug/L
RT: 2.452 min Scan# 439
Delta R.T. 0.000 min
Lab File: VV030486.D
Acq: 11 Apr 2023 09:50

Tgt Ion: 84 Resp: 51533
Ion Ratio Lower Upper
84 100
86 63.0 44.0 81.6
49 129.3 90.6 168.3





#17

Methyl tert-butyl Ether

Concen: 4.987 ug/L

RT: 2.712 min Scan# 516

Delta R.T. 0.000 min

Lab File: VV030486.D

Acq: 11 Apr 2023 09:50

Instrument :

MSVOA_V

ClientSampleId :

VSTD005328

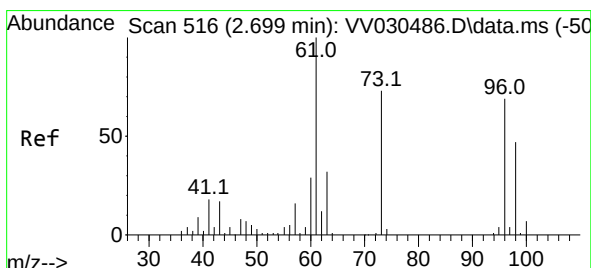
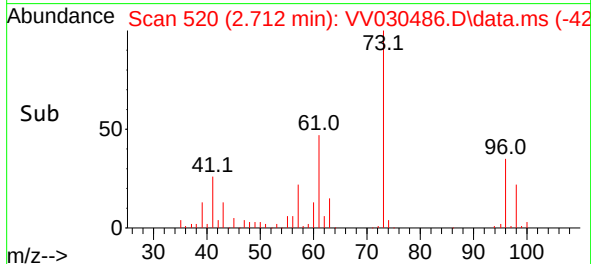
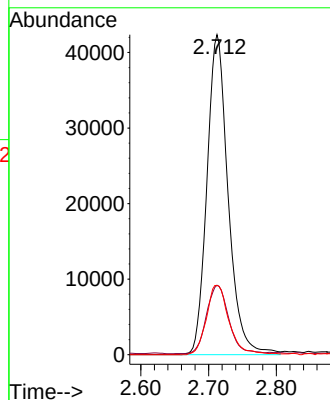
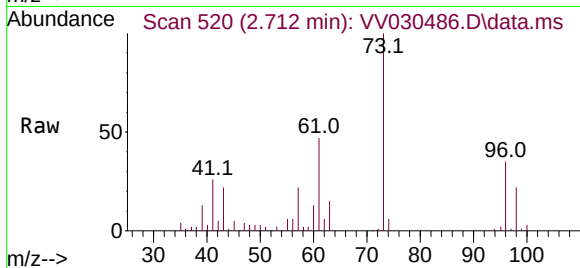
Tgt Ion: 73 Resp: 92060

Ion Ratio Lower Upper

73 100

43 22.2 17.4 26.2

57 23.0 18.3 27.5



#18

trans-1,2-Dichloroethene

Concen: 5.066 ug/L

RT: 2.699 min Scan# 516

Delta R.T. 0.000 min

Lab File: VV030486.D

Acq: 11 Apr 2023 09:50

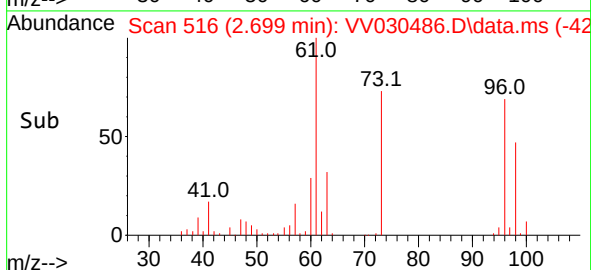
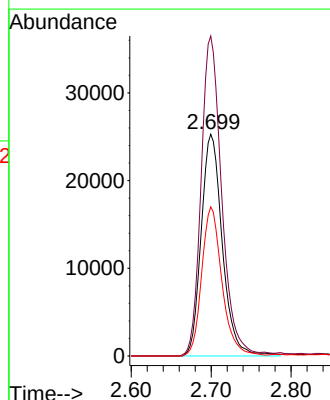
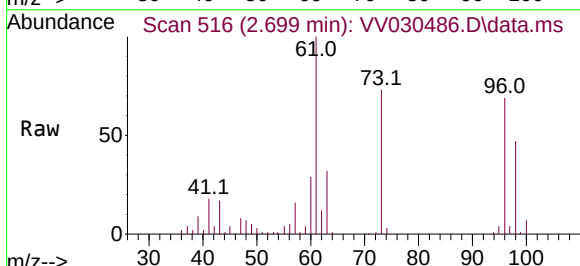
Tgt Ion: 96 Resp: 46519

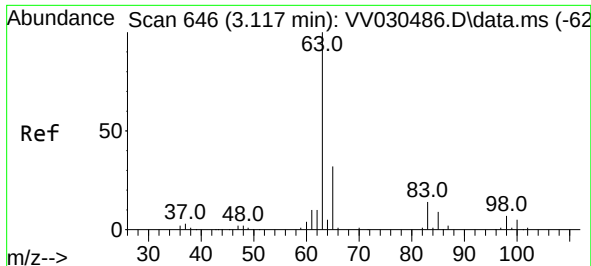
Ion Ratio Lower Upper

96 100

61 144.3 101.7 188.9

98 67.2 45.8 85.2





#19

1,1-Dichloroethane

Concen: 5.067 ug/L

RT: 3.117 min Scan# 64

Delta R.T. 0.000 min

Lab File: VV030486.D

Acq: 11 Apr 2023 09:50

Instrument :

MSVOA_V

ClientSampleId :

VSTD005328

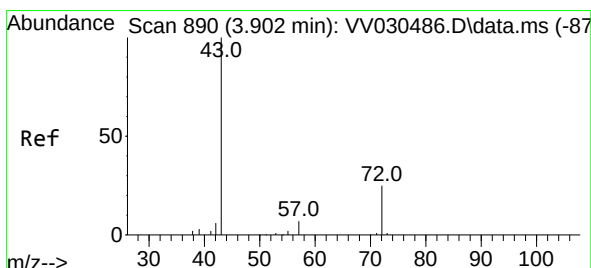
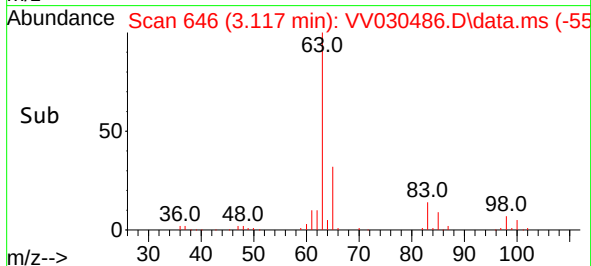
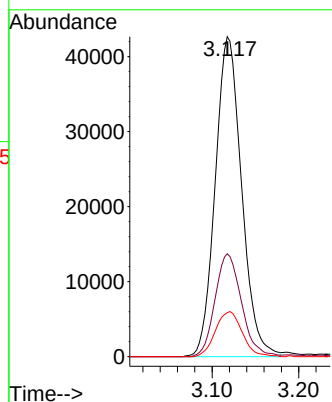
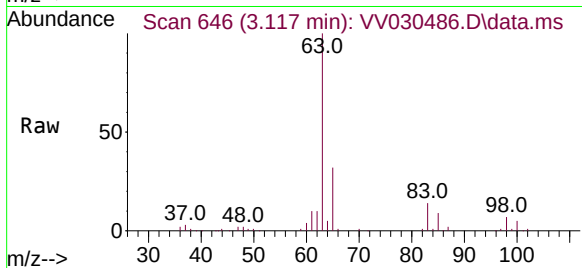
Tgt Ion: 63 Resp: 90206

Ion Ratio Lower Upper

63 100

65 32.2 21.7 40.3

83 13.7 9.1 16.9



#21

2-Butanone

Concen: 52.655 ug/L

RT: 3.902 min Scan# 890

Delta R.T. -0.006 min

Lab File: VV030486.D

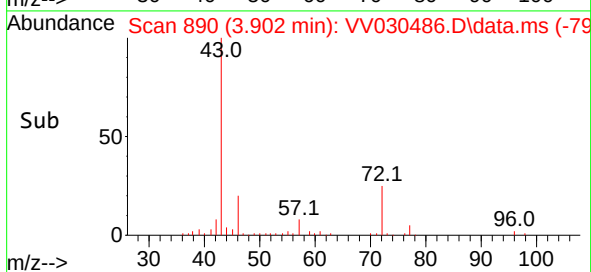
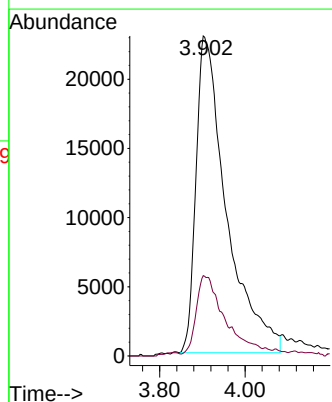
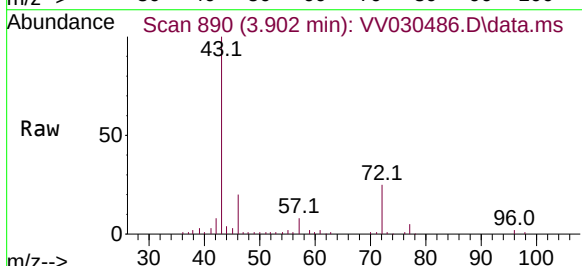
Acq: 11 Apr 2023 09:50

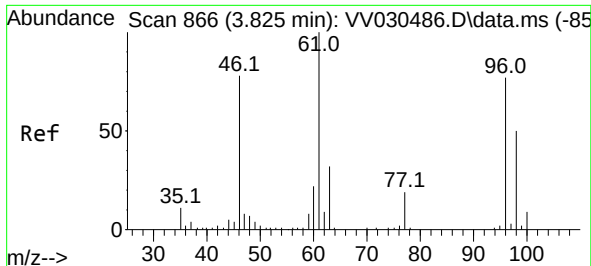
Tgt Ion: 43 Resp: 113181

Ion Ratio Lower Upper

43 100

72 18.7 11.2 33.5

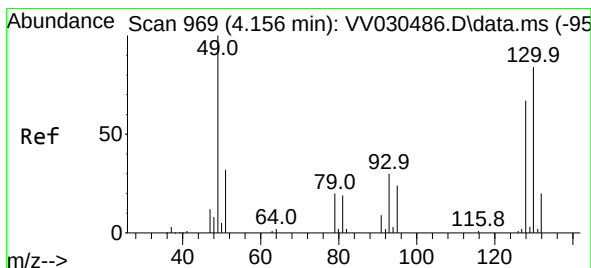
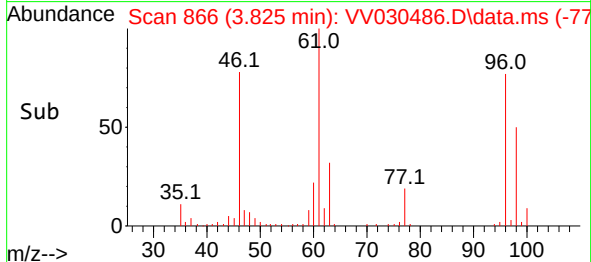
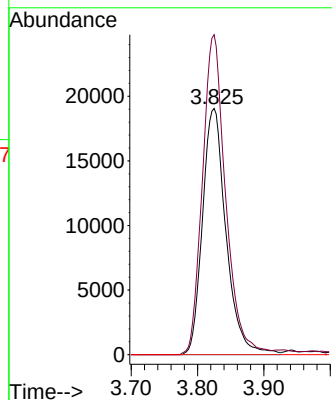
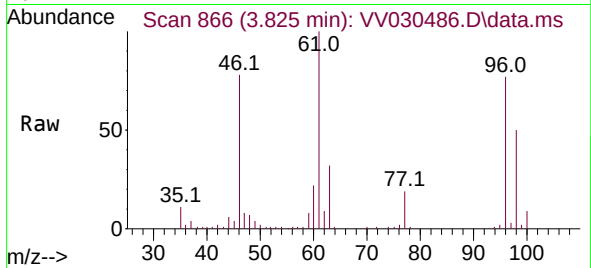




#22
 cis-1,2-Dichloroethene
 Concen: 5.092 ug/L
 RT: 3.825 min Scan# 866
 Delta R.T. 0.000 min
 Lab File: VV030486.D
 Acq: 11 Apr 2023 09:50

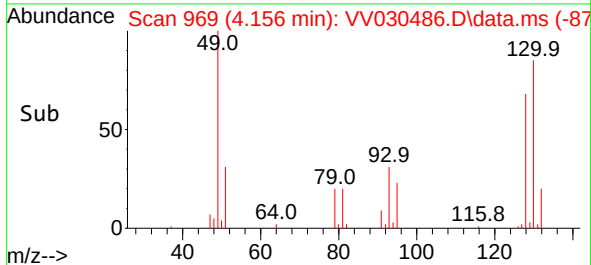
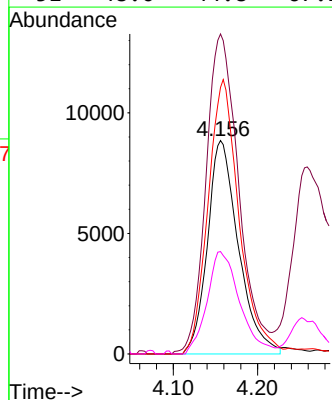
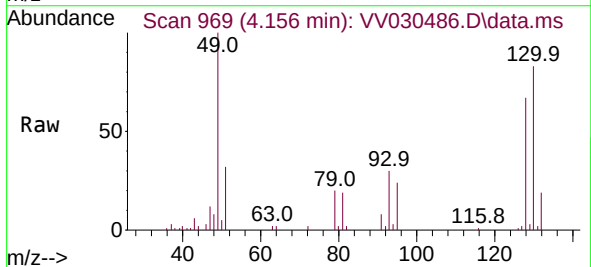
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005328

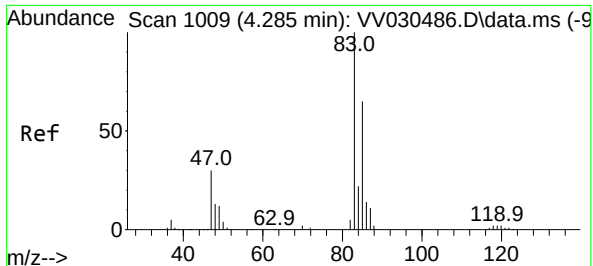
Tgt Ion: 96 Resp: 46928
 Ion Ratio Lower Upper
 96 100
 61 130.0 92.0 170.8
 68 0.0 0.0 0.0



#23
 Bromochloromethane
 Concen: 5.234 ug/L
 RT: 4.156 min Scan# 969
 Delta R.T. 0.000 min
 Lab File: VV030486.D
 Acq: 11 Apr 2023 09:50

Tgt Ion: 128 Resp: 22527
 Ion Ratio Lower Upper
 128 100
 49 149.9 119.4 221.8
 130 124.9 89.2 165.8
 51 48.0 44.8 67.2

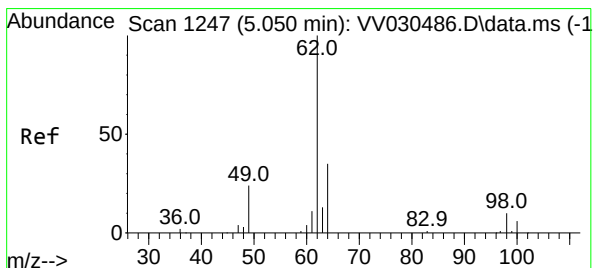
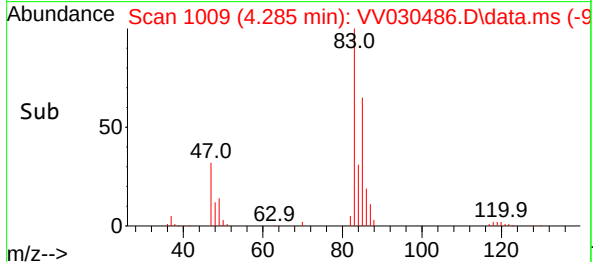
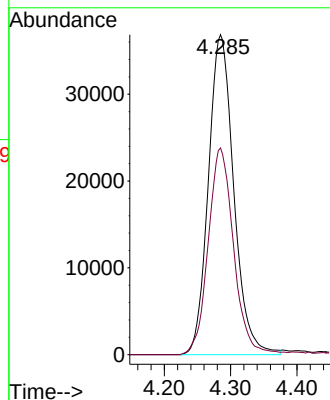
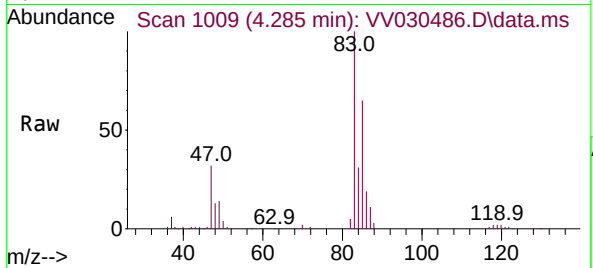




#25
Chloroform
Concen: 5.449 ug/L
RT: 4.285 min Scan# 1009
Delta R.T. 0.000 min
Lab File: VV030486.D
Acq: 11 Apr 2023 09:50

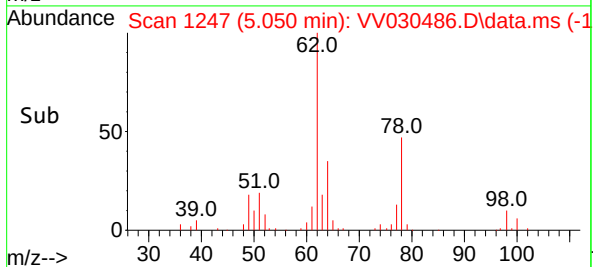
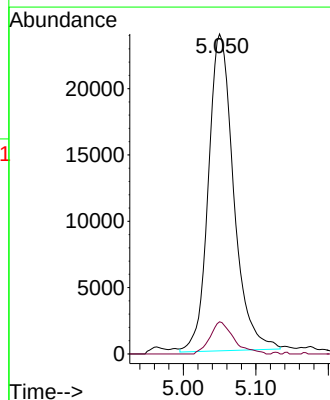
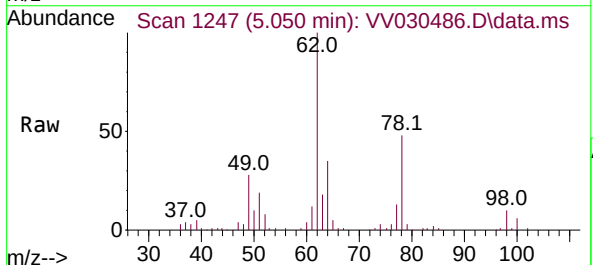
Instrument :
MSVOA_V
ClientSampleId :
VSTD005328

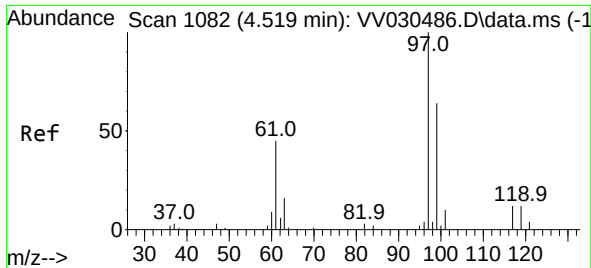
Tgt Ion: 83 Resp: 98023
Ion Ratio Lower Upper
83 100
85 64.6 47.6 88.4



#27
1,2-Dichloroethane
Concen: 5.329 ug/L
RT: 5.050 min Scan# 1247
Delta R.T. 0.000 min
Lab File: VV030486.D
Acq: 11 Apr 2023 09:50

Tgt Ion: 62 Resp: 57964
Ion Ratio Lower Upper
62 100
98 10.1 7.8 11.8

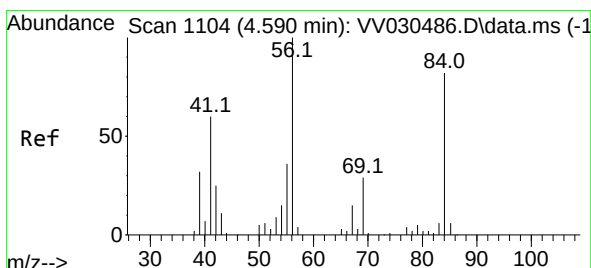
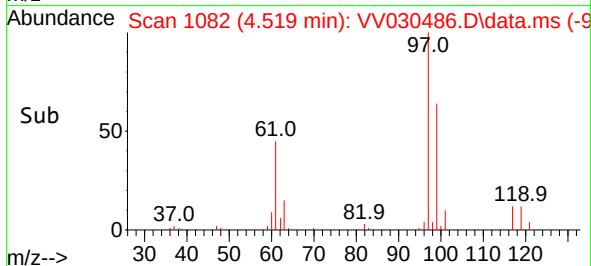
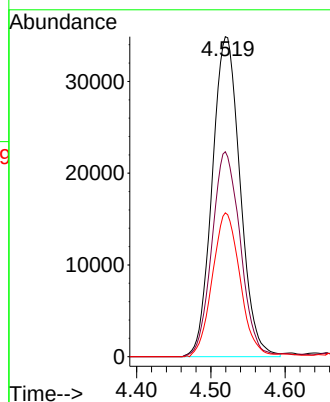
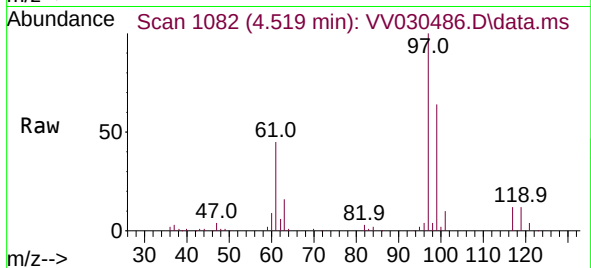




#29
1,1,1-Trichloroethane
Concen: 5.388 ug/L
RT: 4.519 min Scan# 1082
Delta R.T. 0.000 min
Lab File: VV030486.D
Acq: 11 Apr 2023 09:50

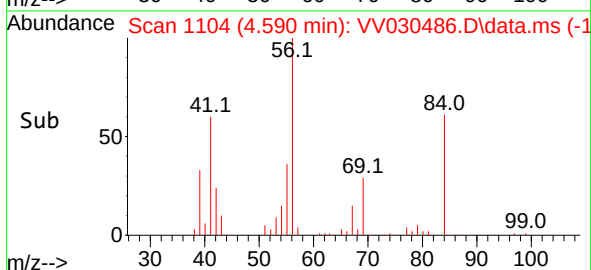
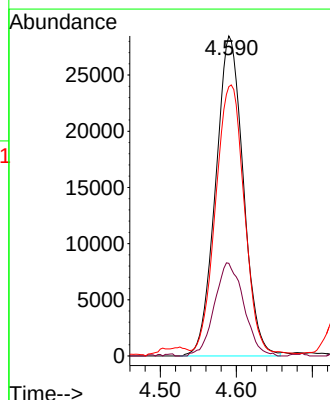
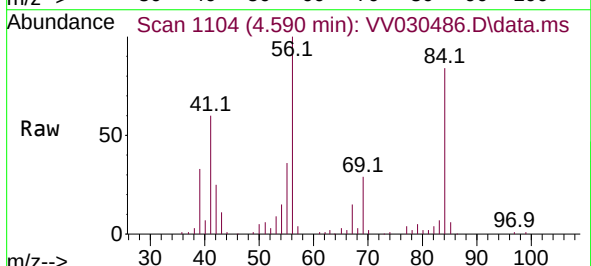
Instrument :
MSVOA_V
ClientSampleId :
VSTD005328

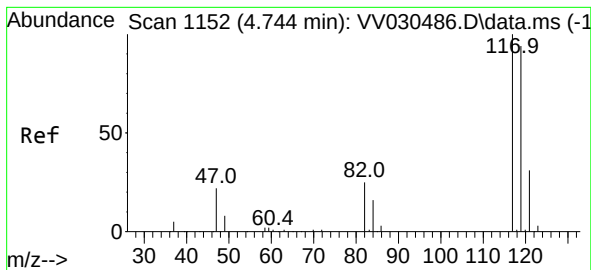
Tgt Ion:	97	Resp:	91183
Ion	Ratio	Lower	Upper
97	100		
99	65.0	50.9	76.3
61	44.6	35.9	53.9



#30
Cyclohexane
Concen: 4.665 ug/L
RT: 4.590 min Scan# 1104
Delta R.T. 0.000 min
Lab File: VV030486.D
Acq: 11 Apr 2023 09:50

Tgt Ion:	56	Resp:	71913
Ion	Ratio	Lower	Upper
56	100		
69	30.8	24.2	36.2
84	86.6	66.6	100.0





#31

Carbon tetrachloride

Concen: 5.385 ug/L

RT: 4.744 min Scan# 1152

Delta R.T. 0.003 min

Lab File: VV030486.D

Acq: 11 Apr 2023 09:50

Instrument :

MSVOA_V

ClientSampleId :

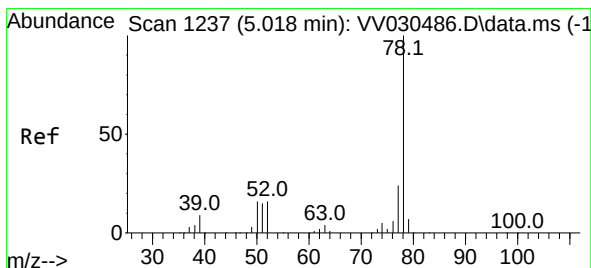
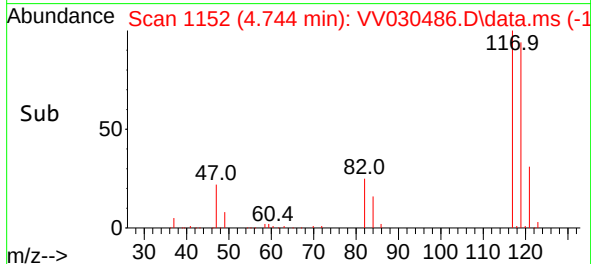
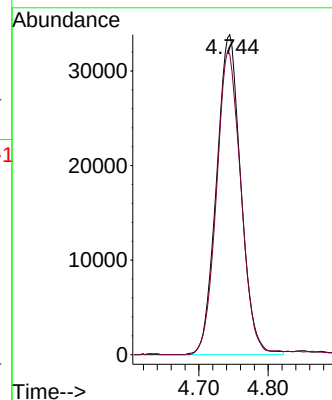
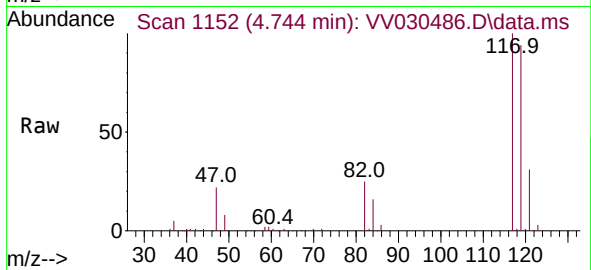
VSTD005328

Tgt Ion:117 Resp: 82695

Ion Ratio Lower Upper

117 100

119 94.8 76.2 114.4



#33

Benzene

Concen: 5.234 ug/L

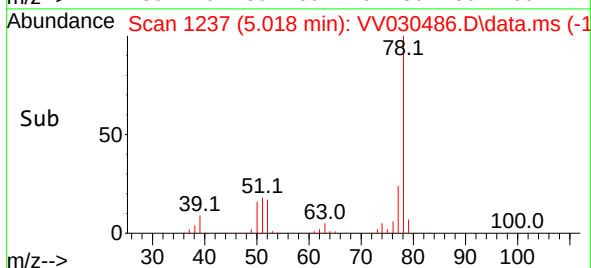
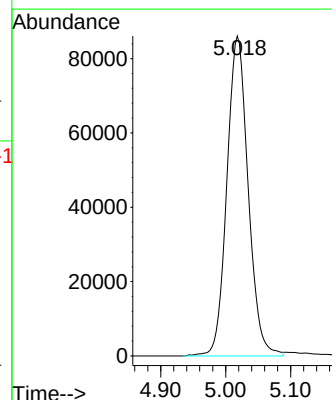
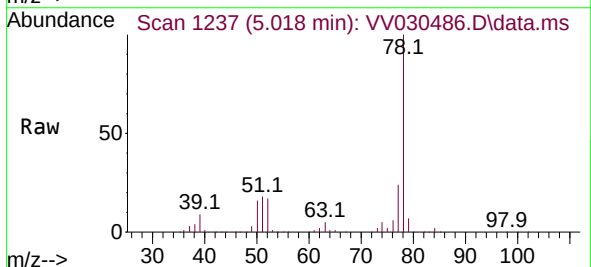
RT: 5.018 min Scan# 1237

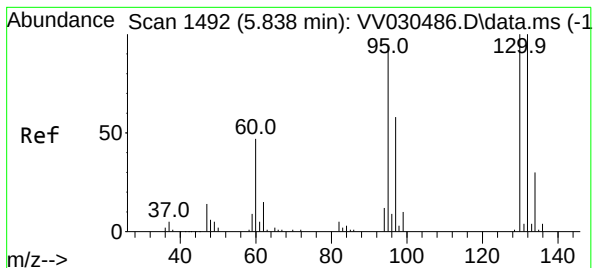
Delta R.T. 0.000 min

Lab File: VV030486.D

Acq: 11 Apr 2023 09:50

Tgt Ion: 78 Resp: 195753





#34

Trichloroethene

Concen: 4.973 ug/L

RT: 5.838 min Scan# 1492

Delta R.T. -0.003 min

Lab File: VV030486.D

Acq: 11 Apr 2023 09:50

Instrument :

MSVOA_V

ClientSampleId :

VSTD005328

Tgt Ion: 95 Resp: 50154

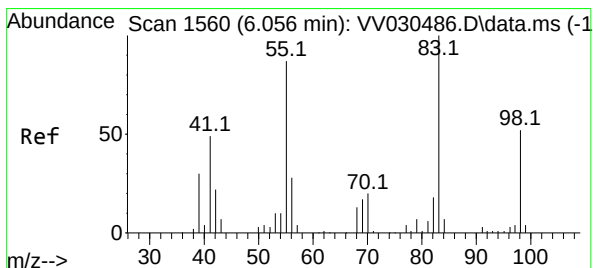
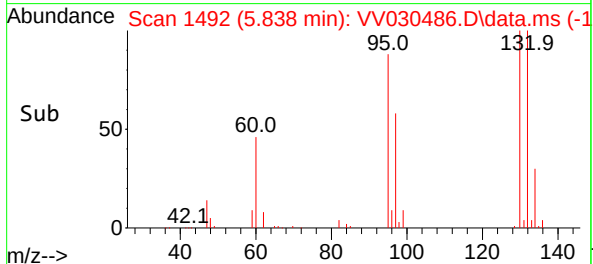
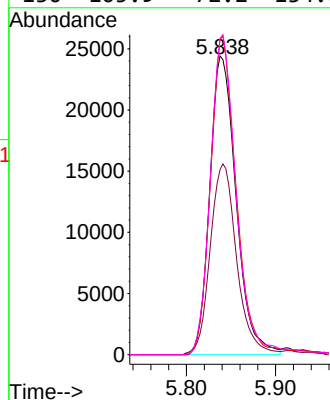
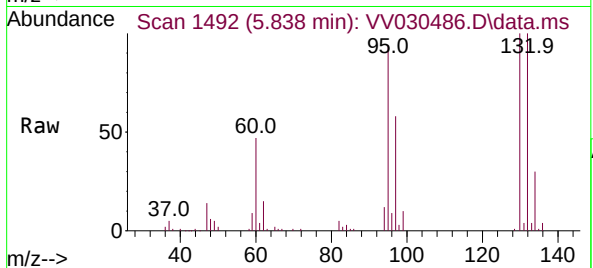
Ion Ratio Lower Upper

95 100

97 61.9 44.2 82.2

132 105.5 69.5 129.1

130 105.9 72.2 134.0



#35

Methylcyclohexane

Concen: 4.760 ug/L

RT: 6.056 min Scan# 1560

Delta R.T. 0.000 min

Lab File: VV030486.D

Acq: 11 Apr 2023 09:50

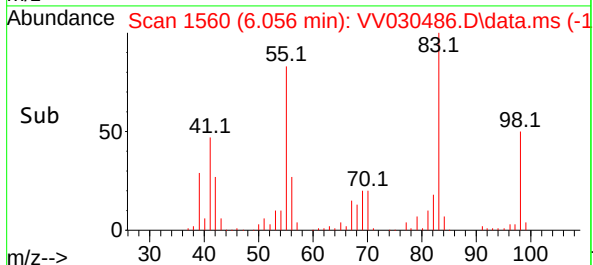
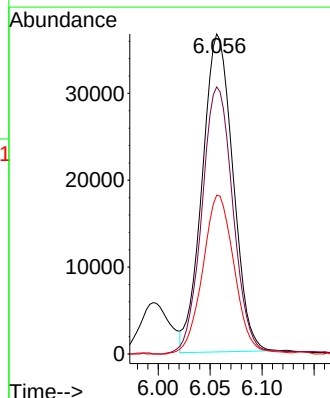
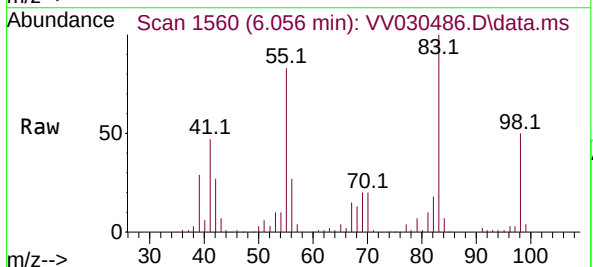
Tgt Ion: 83 Resp: 75362

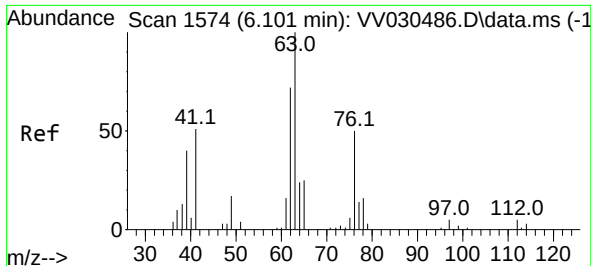
Ion Ratio Lower Upper

83 100

55 85.7 66.6 100.0

98 51.3 38.6 58.0





#37

1,2-Dichloropropane

Concen: 5.102 ug/L

RT: 6.101 min Scan# 1574

Delta R.T. 0.000 min

Lab File: VV030486.D

Acq: 11 Apr 2023 09:50

Instrument :

MSVOA_V

ClientSampleId :

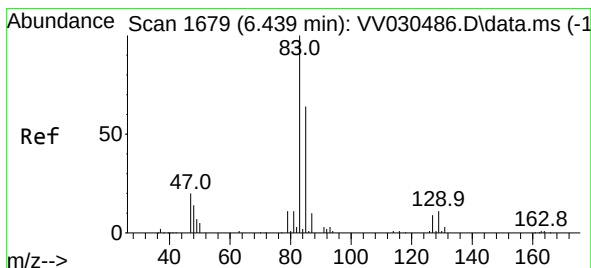
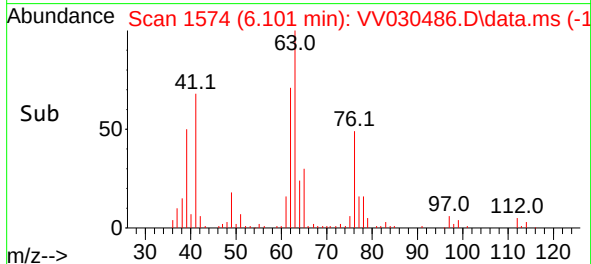
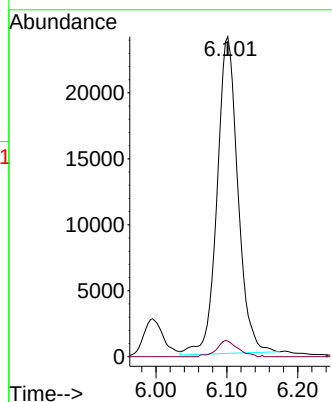
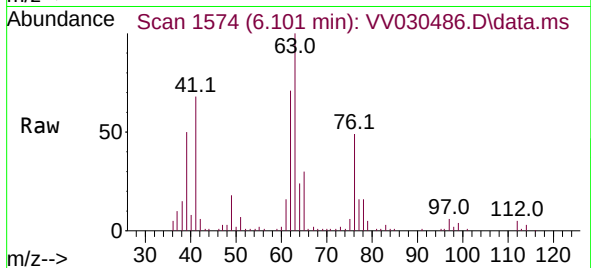
VSTD005328

Tgt Ion: 63 Resp: 48981

Ion Ratio Lower Upper

63 100

112 5.2 3.9 5.9



#38

Bromodichloromethane

Concen: 5.145 ug/L

RT: 6.439 min Scan# 1679

Delta R.T. 0.000 min

Lab File: VV030486.D

Acq: 11 Apr 2023 09:50

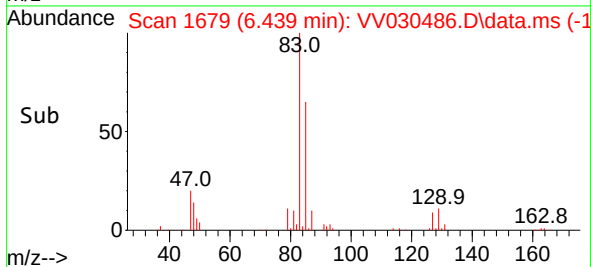
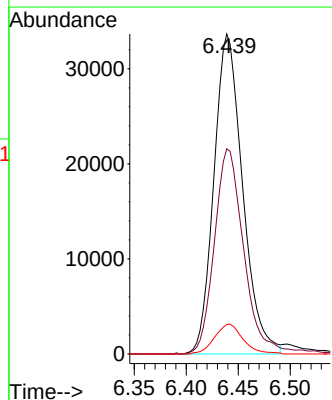
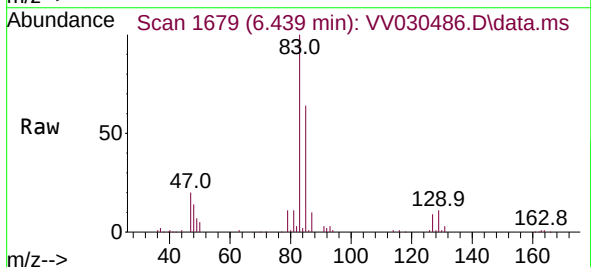
Tgt Ion: 83 Resp: 64692

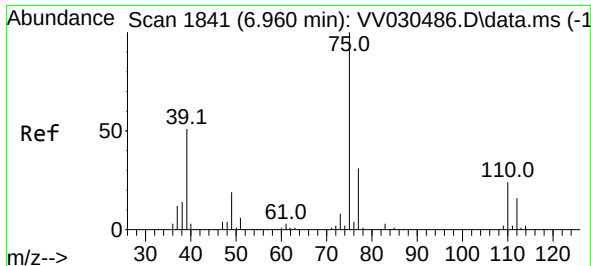
Ion Ratio Lower Upper

83 100

85 64.1 45.3 84.1

127 9.2 7.0 10.4





#39

cis-1,3-Dichloropropene

Concen: 4.817 ug/L

RT: 6.960 min Scan# 1841

Delta R.T. 0.000 min

Lab File: VV030486.D

Acq: 11 Apr 2023 09:50

Instrument :

MSVOA_V

ClientSampleId :

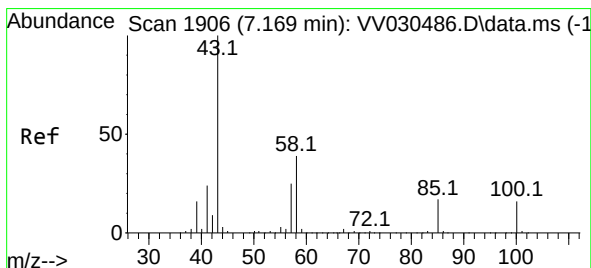
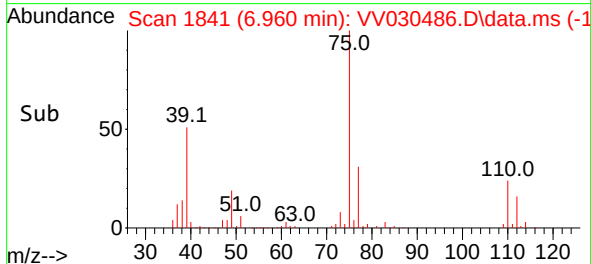
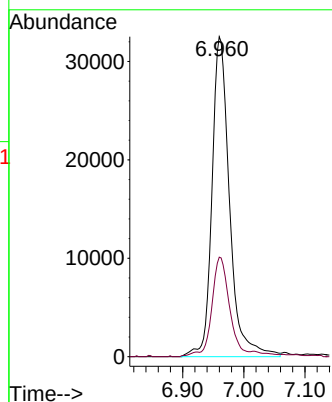
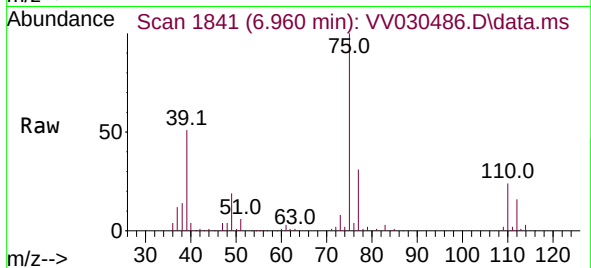
VSTD005328

Tgt Ion: 75 Resp: 65035

Ion Ratio Lower Upper

75 100

77 31.1 22.0 41.0



#40

4-Methyl-2-pentanone

Concen: 50.218 ug/L

RT: 7.169 min Scan# 1906

Delta R.T. 0.000 min

Lab File: VV030486.D

Acq: 11 Apr 2023 09:50

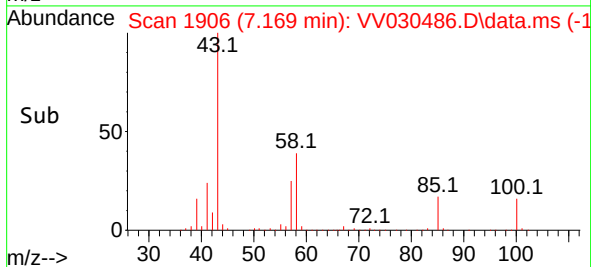
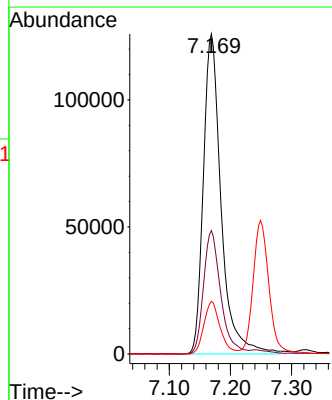
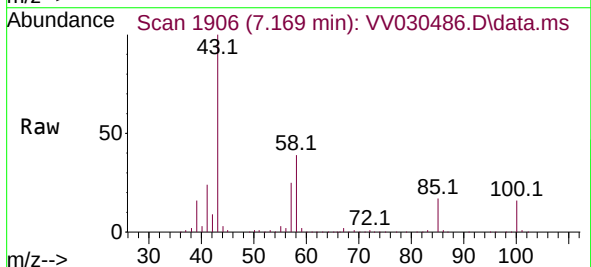
Tgt Ion: 43 Resp: 254065

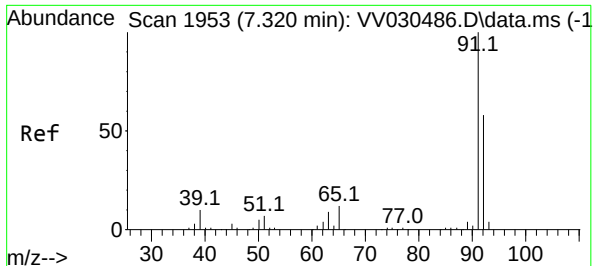
Ion Ratio Lower Upper

43 100

58 37.4 28.8 43.2

100 15.1 10.7 16.1





#42

Toluene

Concen: 5.495 ug/L

RT: 7.320 min Scan# 1953

Delta R.T. 0.000 min

Lab File: VV030486.D

Acq: 11 Apr 2023 09:50

Instrument :

MSVOA_V

ClientSampleId :

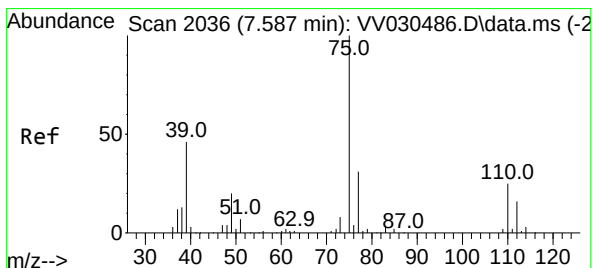
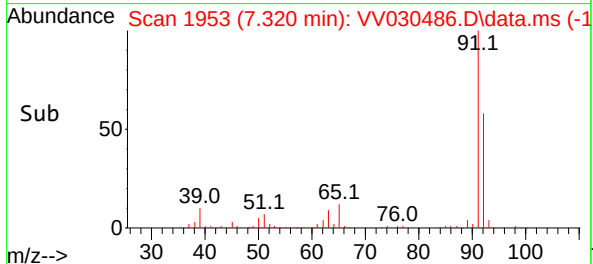
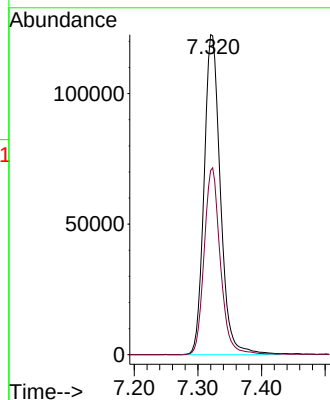
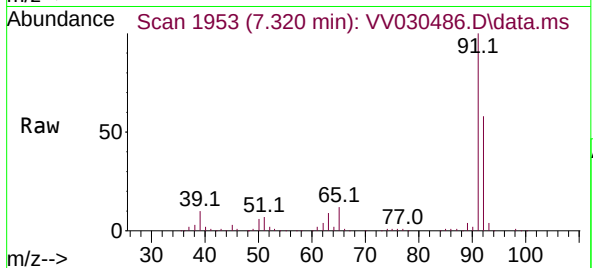
VSTD005328

Tgt Ion: 91 Resp: 218894

Ion Ratio Lower Upper

91 100

92 57.6 40.4 75.0



#44

trans-1,3-Dichloropropene

Concen: 4.930 ug/L

RT: 7.587 min Scan# 2036

Delta R.T. -0.003 min

Lab File: VV030486.D

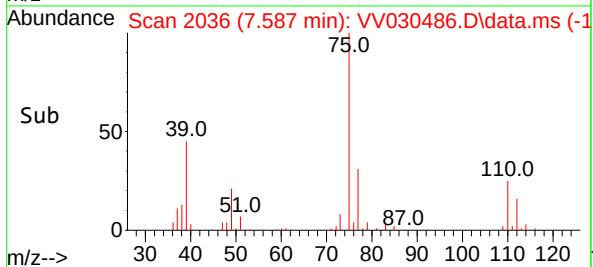
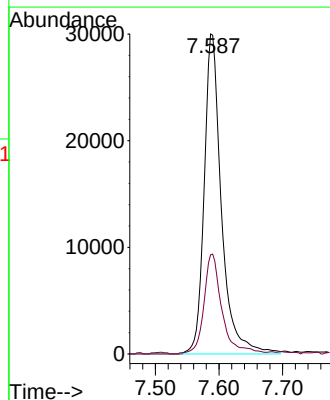
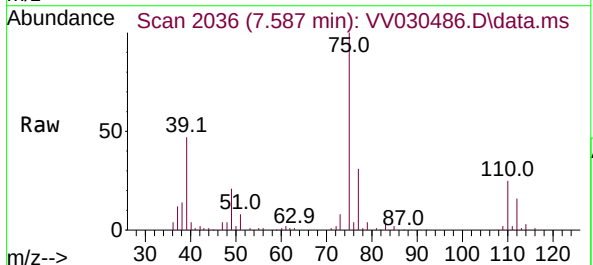
Acq: 11 Apr 2023 09:50

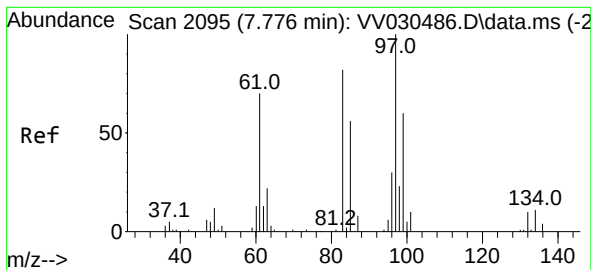
Tgt Ion: 75 Resp: 56634

Ion Ratio Lower Upper

75 100

77 31.0 21.2 39.4





#45

1,1,2-Trichloroethane

Concen: 5.156 ug/L

RT: 7.776 min Scan# 2095

Delta R.T. 0.000 min

Lab File: VV030486.D

Acq: 11 Apr 2023 09:50

Instrument :

MSVOA_V

ClientSampleId :

VSTD005328

Tgt Ion: 97 Resp: 34854

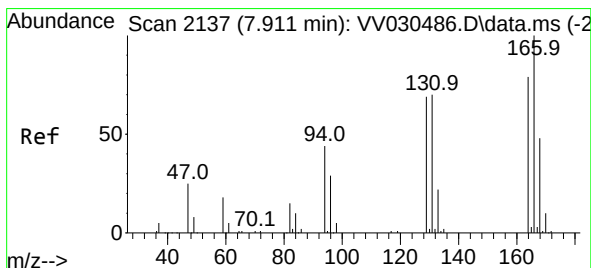
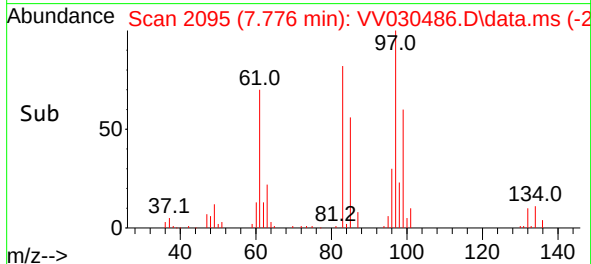
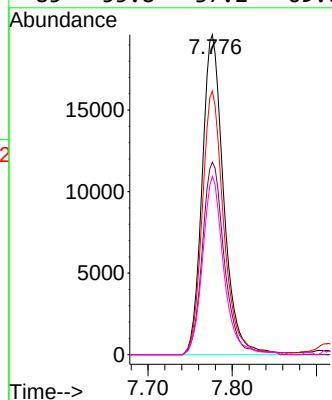
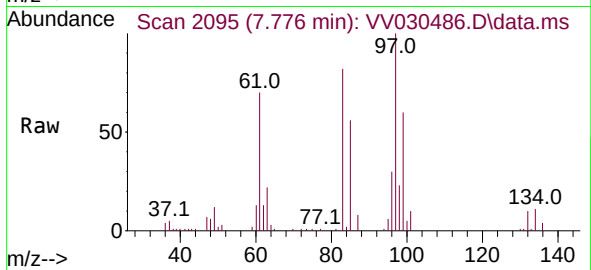
Ion Ratio Lower Upper

97 100

99 60.2 44.0 81.8

83 82.4 58.8 109.2

85 55.8 37.2 69.0



#47

Tetrachloroethene

Concen: 5.359 ug/L

RT: 7.911 min Scan# 2137

Delta R.T. 0.000 min

Lab File: VV030486.D

Acq: 11 Apr 2023 09:50

Tgt Ion: 164 Resp: 47705

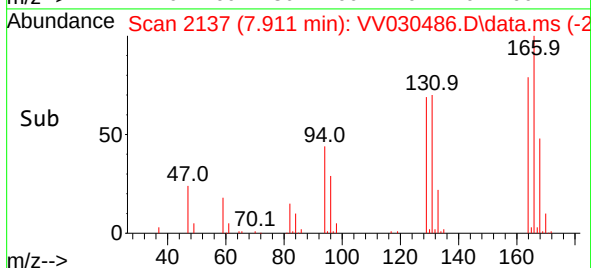
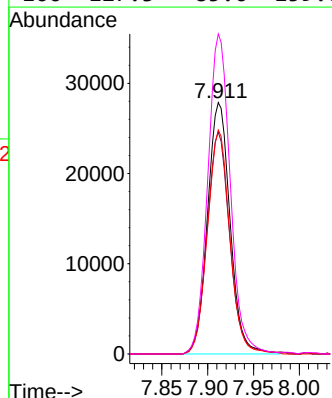
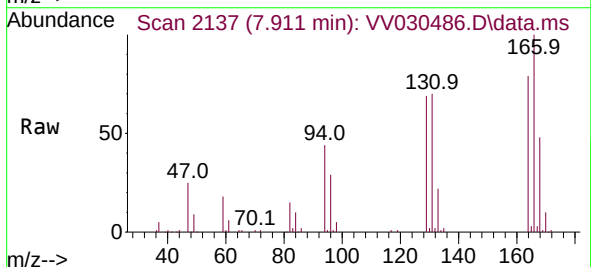
Ion Ratio Lower Upper

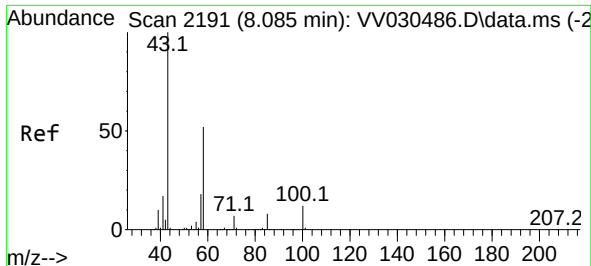
164 100

129 88.3 60.8 112.8

131 89.1 61.7 114.7

166 127.3 85.6 159.0

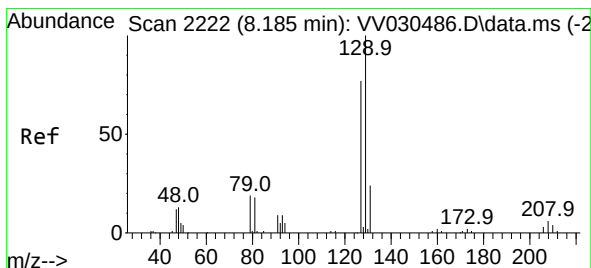
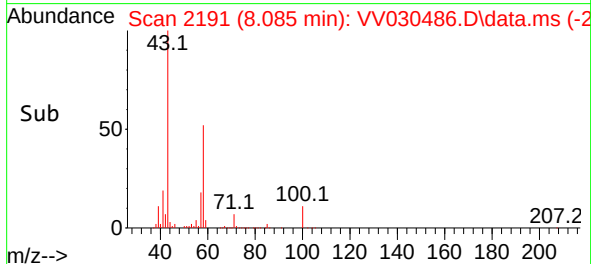
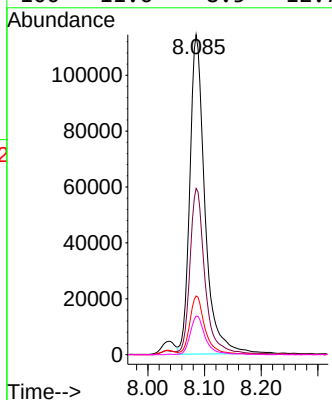
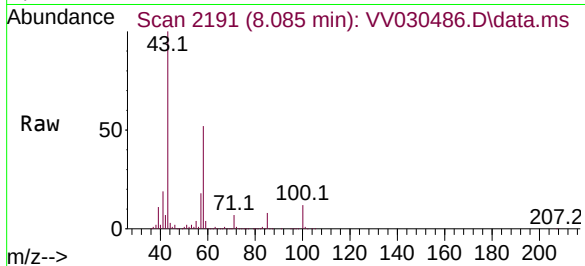




#48
2-Hexanone
Concen: 55.805 ug/L
RT: 8.085 min Scan# 2191
Delta R.T. 0.000 min
Lab File: VV030486.D
Acq: 11 Apr 2023 09:50

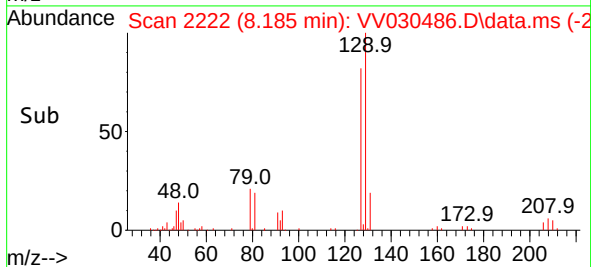
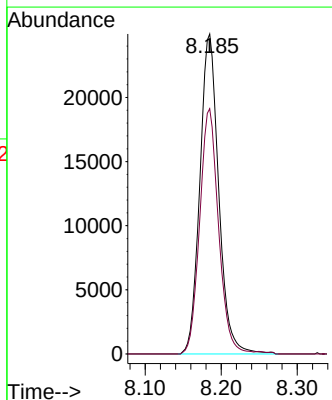
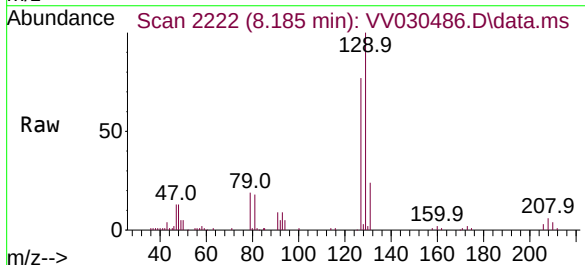
Instrument :
MSVOA_V
ClientSampleId :
VSTD005328

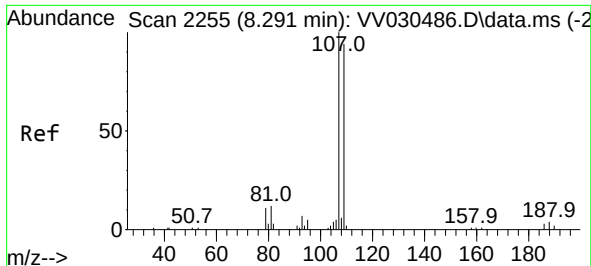
Tgt Ion: 43 Resp: 211446
Ion Ratio Lower Upper
43 100
58 51.6 40.3 60.5
57 18.5 14.6 22.0
100 11.6 8.5 12.7



#49
Dibromochloromethane
Concen: 5.339 ug/L
RT: 8.185 min Scan# 2222
Delta R.T. 0.000 min
Lab File: VV030486.D
Acq: 11 Apr 2023 09:50

Tgt Ion: 129 Resp: 42961
Ion Ratio Lower Upper
129 100
127 76.6 52.7 97.9





#50

1,2-Dibromoethane

Concen: 5.147 ug/L

RT: 8.291 min Scan# 21

Delta R.T. 0.003 min

Lab File: VV030486.D

Acq: 11 Apr 2023 09:50

Instrument :

MSVOA_V

ClientSampleId :

VSTD005328

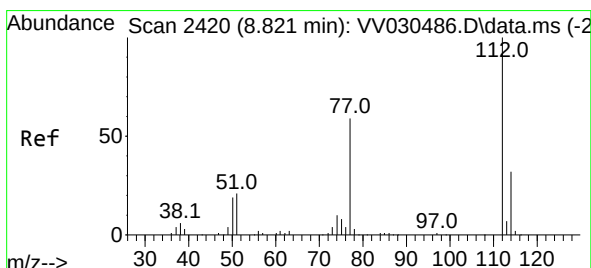
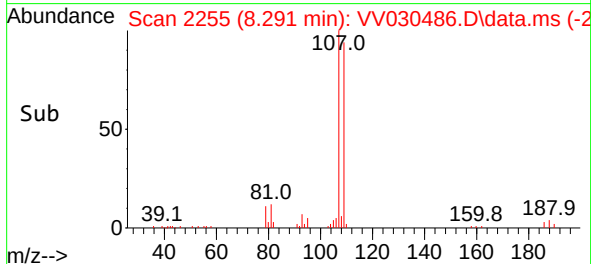
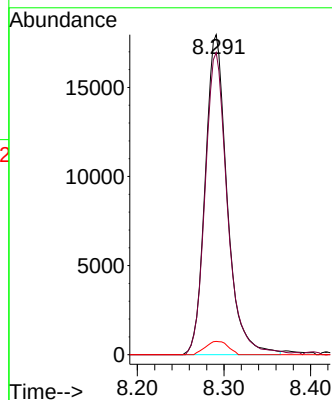
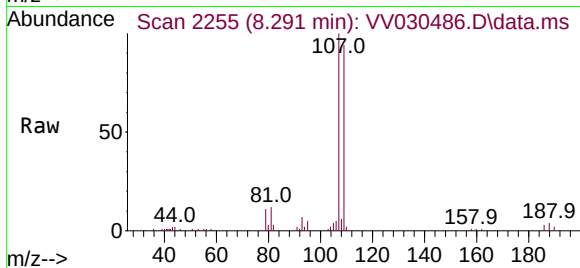
Tgt Ion:107 Resp: 31656

Ion Ratio Lower Upper

107 100

109 94.4 62.9 116.9

188 4.1 3.0 4.6



#51

Chlorobenzene

Concen: 5.307 ug/L

RT: 8.821 min Scan# 2420

Delta R.T. 0.000 min

Lab File: VV030486.D

Acq: 11 Apr 2023 09:50

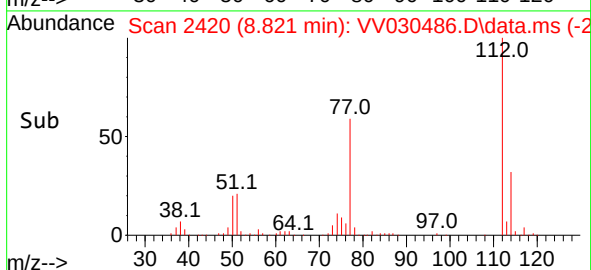
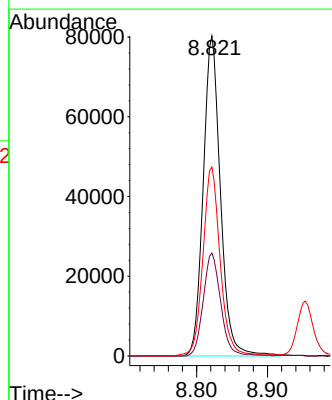
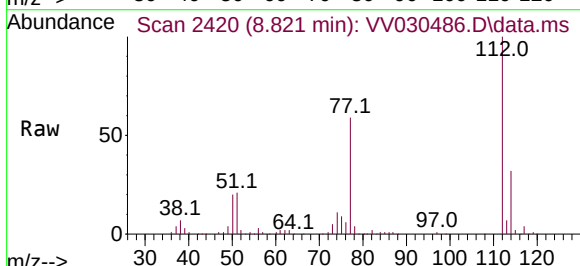
Tgt Ion:112 Resp: 135366

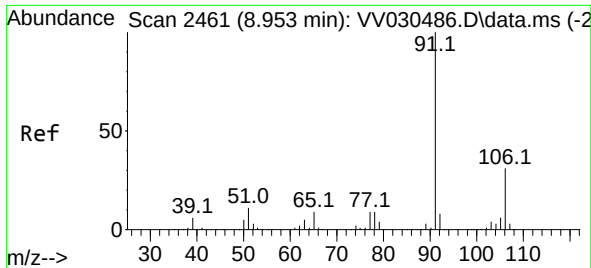
Ion Ratio Lower Upper

112 100

114 32.1 22.4 41.6

77 59.1 45.9 68.9

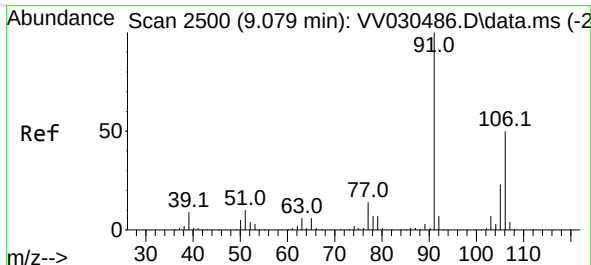
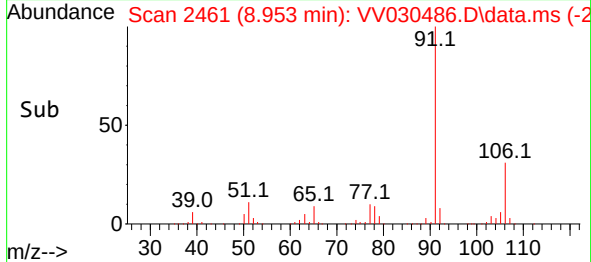
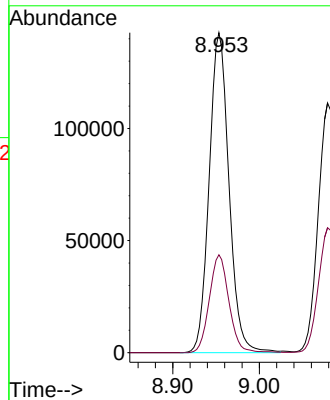
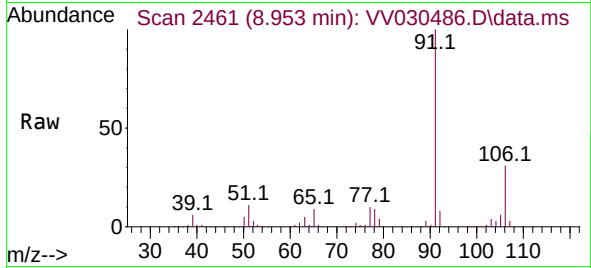




#52
Ethylbenzene
Concen: 5.203 ug/L
RT: 8.953 min Scan# 2461
Delta R.T. 0.000 min
Lab File: VV030486.D
Acq: 11 Apr 2023 09:50

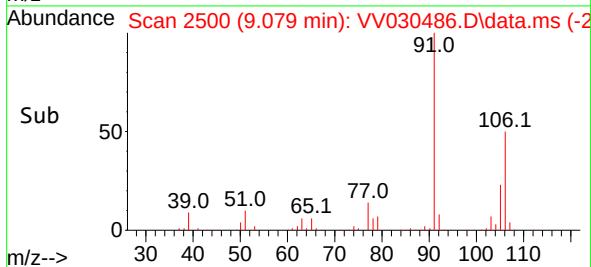
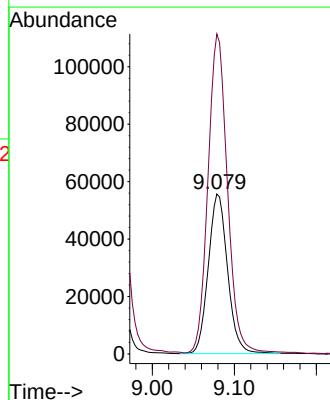
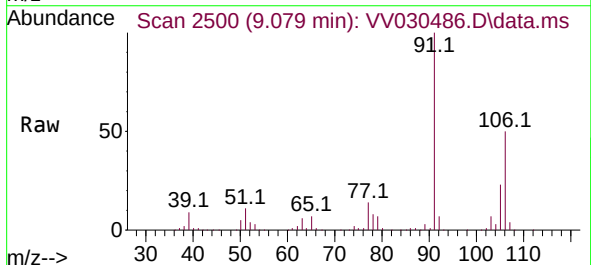
Instrument :
MSVOA_V
ClientSampleId :
VSTD005328

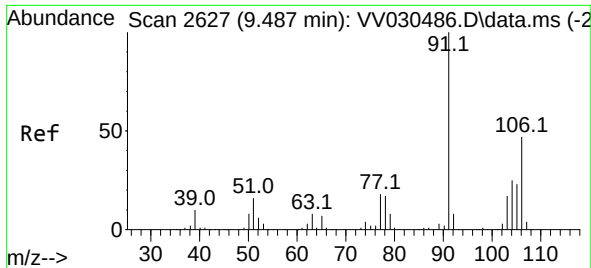
Tgt Ion: 91 Resp: 226742
Ion Ratio Lower Upper
91 100
106 30.6 22.2 41.2



#53
m,p-Xylene
Concen: 5.460 ug/L
RT: 9.079 min Scan# 2500
Delta R.T. 0.000 min
Lab File: VV030486.D
Acq: 11 Apr 2023 09:50

Tgt Ion: 106 Resp: 91089
Ion Ratio Lower Upper
106 100
91 200.0 142.4 264.4

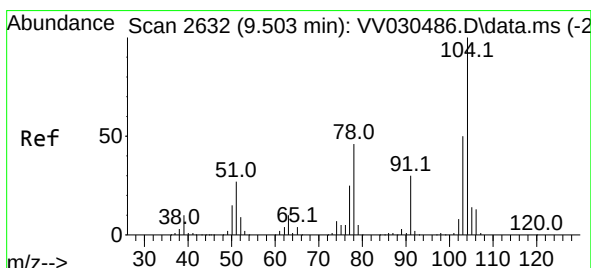
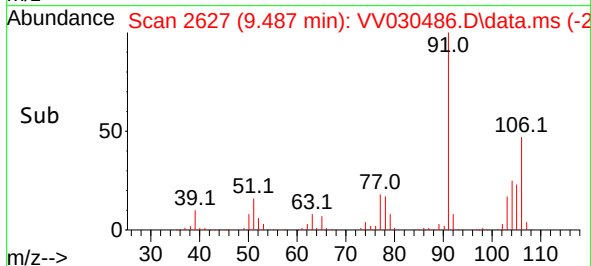
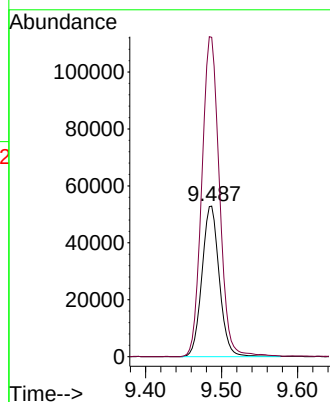
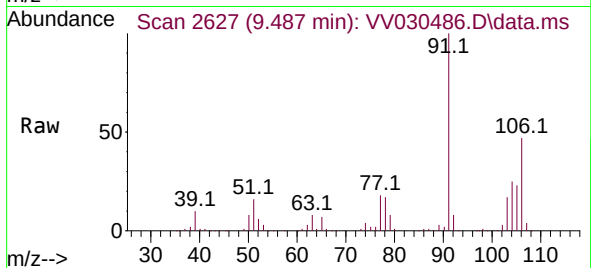




#54
o-Xylene
Concen: 5.256 ug/L
RT: 9.487 min Scan# 2627
Delta R.T. -0.000 min
Lab File: VV030486.D
Acq: 11 Apr 2023 09:50

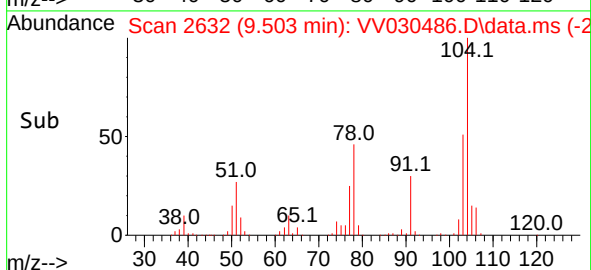
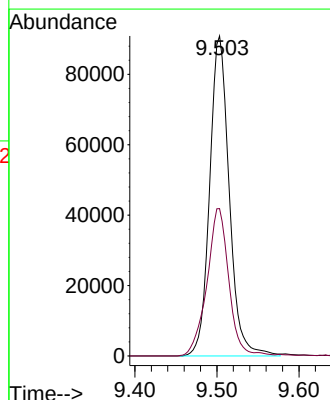
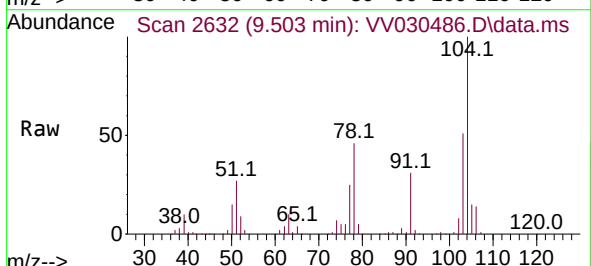
Instrument :
MSVOA_V
ClientSampleId :
VSTD005328

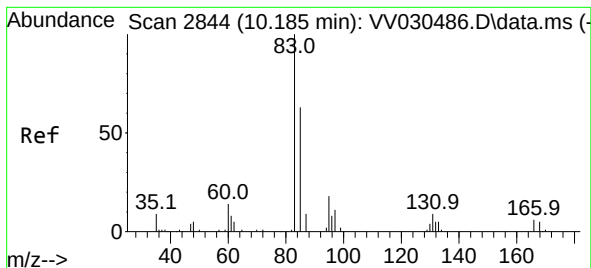
Tgt Ion:106 Resp: 83897
Ion Ratio Lower Upper
106 100
91 212.1 149.8 278.2



#55
Styrene
Concen: 5.557 ug/L
RT: 9.503 min Scan# 2632
Delta R.T. 0.000 min
Lab File: VV030486.D
Acq: 11 Apr 2023 09:50

Tgt Ion:104 Resp: 150680
Ion Ratio Lower Upper
104 100
78 46.1 31.9 59.2

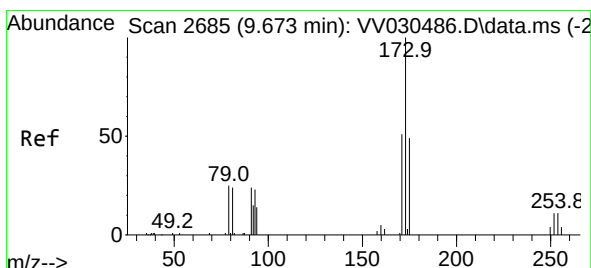
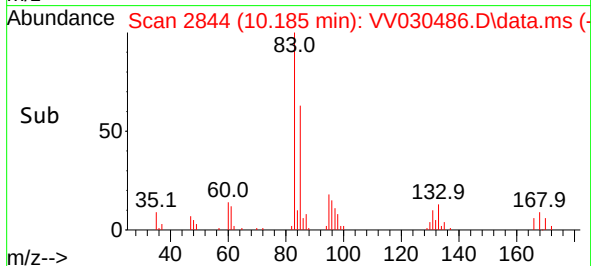
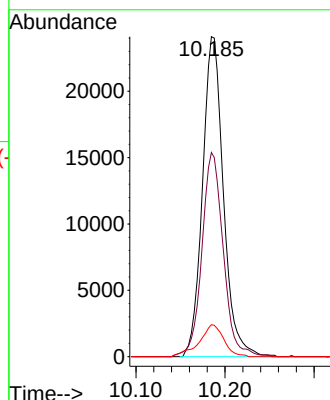
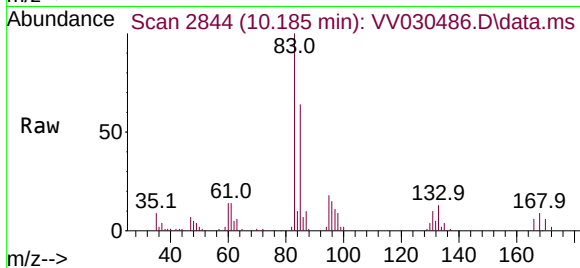




#57
 1,1,2,2-Tetrachloroethane
 Concen: 4.904 ug/L
 RT: 10.185 min Scan# 2844
 Delta R.T. 0.000 min
 Lab File: VV030486.D
 Acq: 11 Apr 2023 09:50

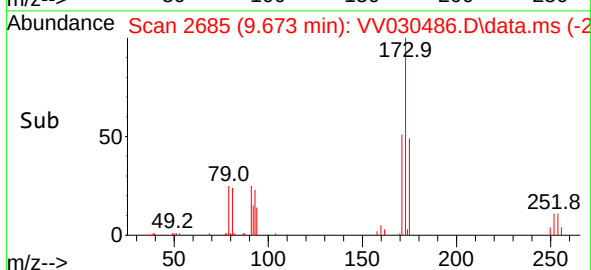
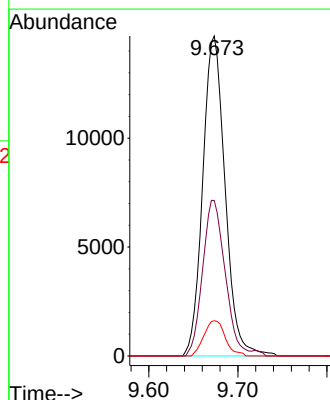
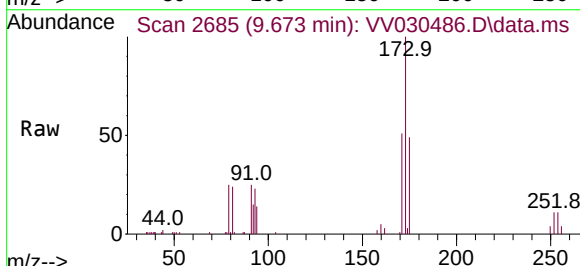
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005328

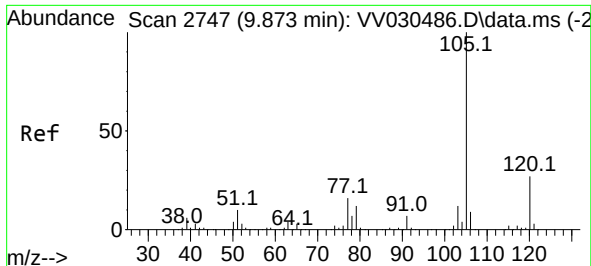
Tgt Ion: 83 Resp: 39347
 Ion Ratio Lower Upper
 83 100
 85 63.8 45.3 84.1
 131 10.0 8.2 12.4



#59
 Bromoform
 Concen: 5.156 ug/L
 RT: 9.673 min Scan# 2685
 Delta R.T. 0.000 min
 Lab File: VV030486.D
 Acq: 11 Apr 2023 09:50

Tgt Ion: 173 Resp: 25612
 Ion Ratio Lower Upper
 173 100
 175 48.9 39.0 58.4
 254 10.5 8.2 12.4

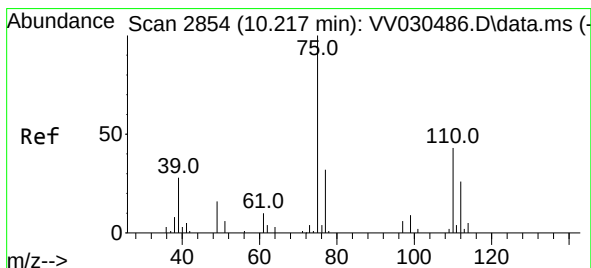
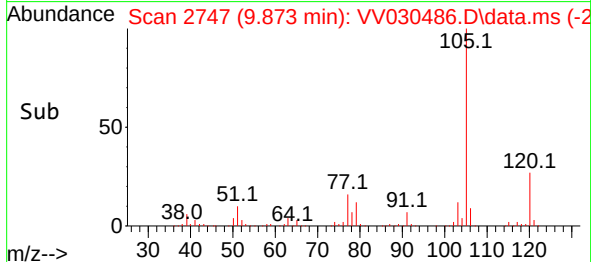
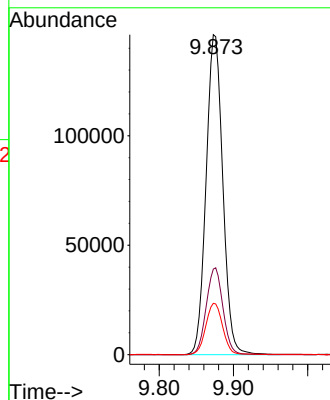
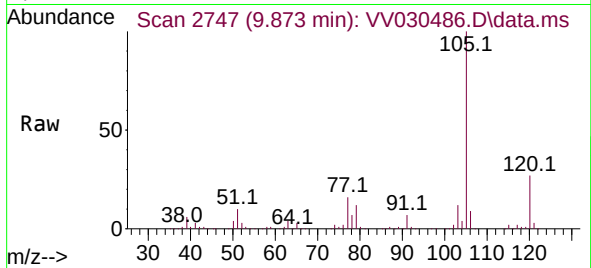




#60
Isopropylbenzene
Concen: 5.032 ug/L
RT: 9.873 min Scan# 21
Delta R.T. 0.000 min
Lab File: VV030486.D
Acq: 11 Apr 2023 09:50

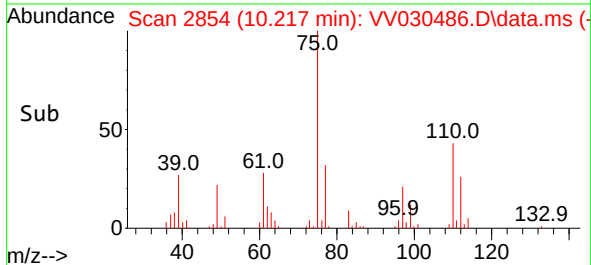
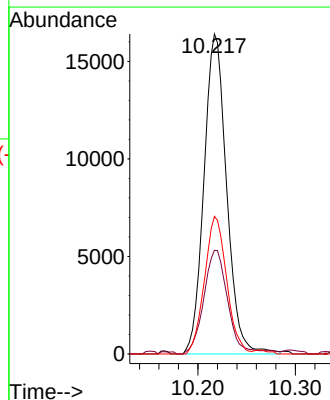
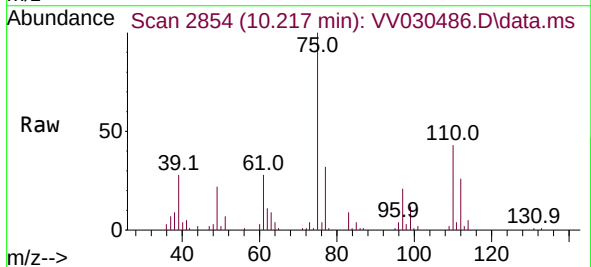
Instrument :
MSVOA_V
ClientSampleId :
VSTD005328

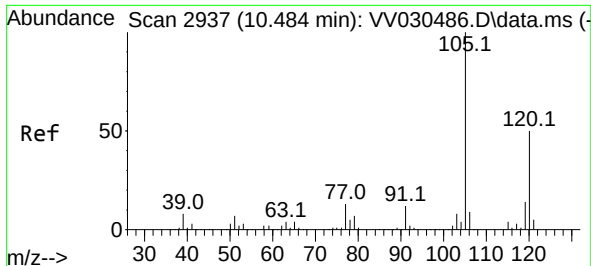
Tgt Ion:105 Resp: 228074
Ion Ratio Lower Upper
105 100
120 27.2 21.1 31.7
77 16.2 12.9 19.3



#61
1,2,3-Trichloropropane
Concen: 4.829 ug/L
RT: 10.217 min Scan# 2854
Delta R.T. 0.000 min
Lab File: VV030486.D
Acq: 11 Apr 2023 09:50

Tgt Ion: 75 Resp: 26537
Ion Ratio Lower Upper
75 100
77 34.0 26.0 39.0
110 42.1 31.6 47.4





#62

1,3,5-Trimethylbenzene

Concen: 4.944 ug/L

RT: 10.484 min Scan# 2937

Delta R.T. 0.000 min

Lab File: VV030486.D

Acq: 11 Apr 2023 09:50

Instrument :

MSVOA_V

ClientSampleId :

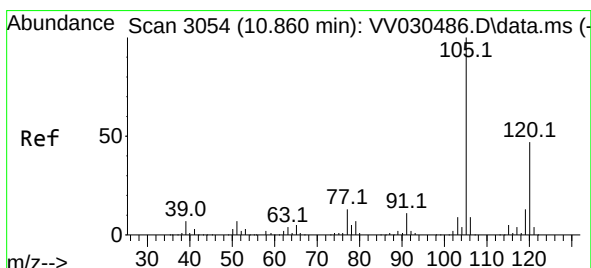
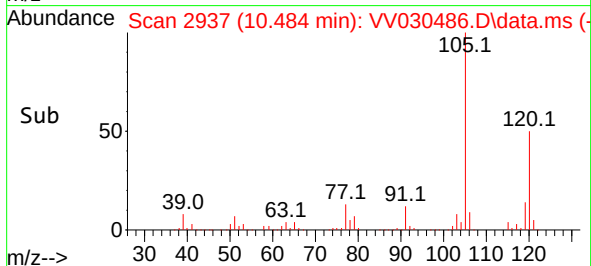
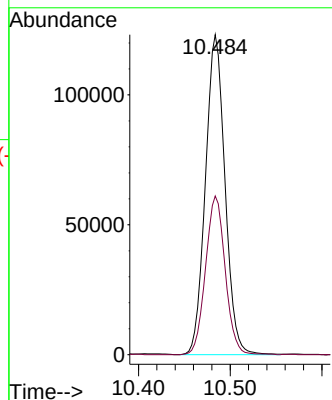
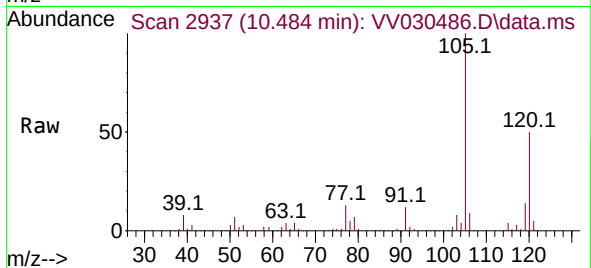
VSTD005328

Tgt Ion:105 Resp: 182870

Ion Ratio Lower Upper

105 100

120 49.7 38.9 58.3



#63

1,2,4-Trimethylbenzene

Concen: 5.014 ug/L

RT: 10.860 min Scan# 3054

Delta R.T. 0.000 min

Lab File: VV030486.D

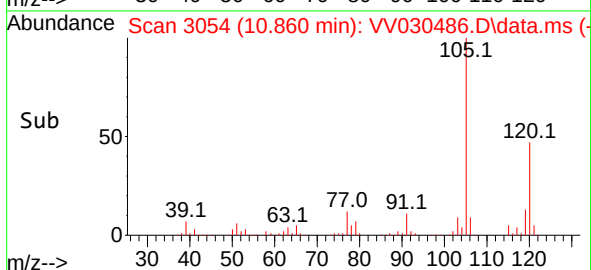
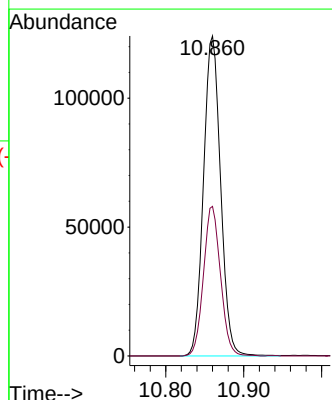
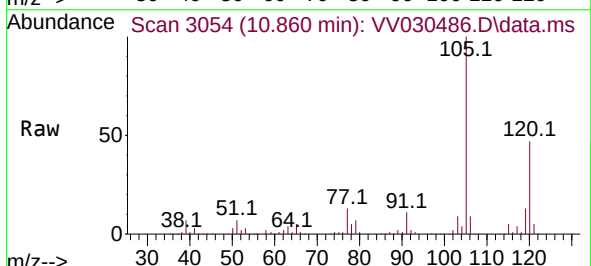
Acq: 11 Apr 2023 09:50

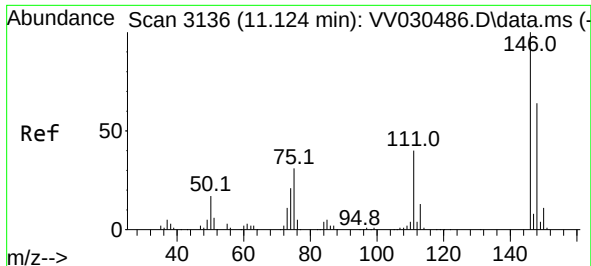
Tgt Ion:105 Resp: 189009

Ion Ratio Lower Upper

105 100

120 46.5 36.8 55.2

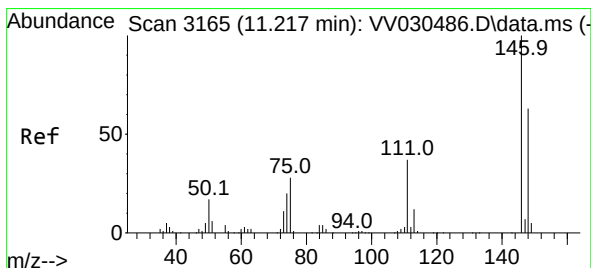
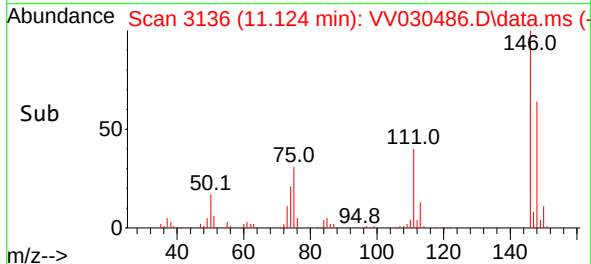
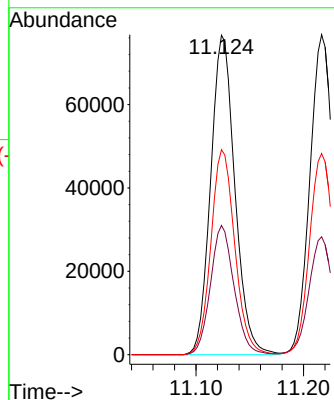
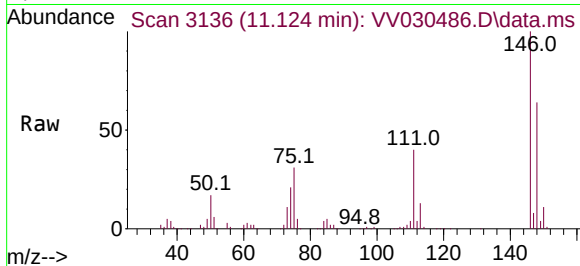




#64
 1,3-Dichlorobenzene
 Concen: 5.301 ug/L
 RT: 11.124 min Scan# 3136
 Delta R.T. 0.000 min
 Lab File: VV030486.D
 Acq: 11 Apr 2023 09:50

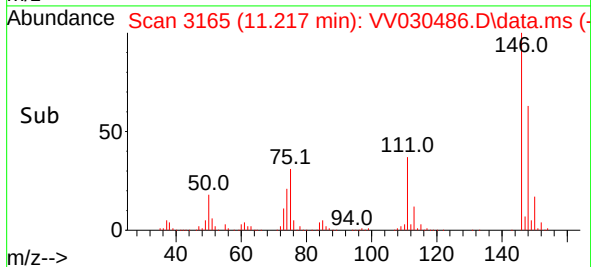
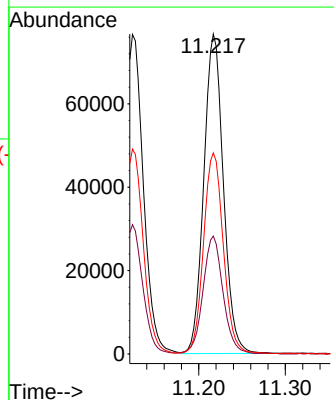
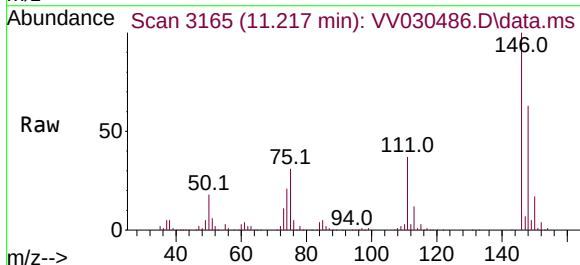
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005328

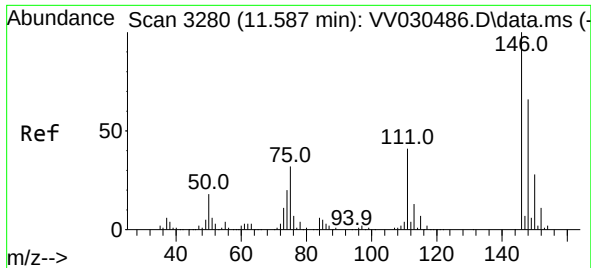
Tgt Ion:146 Resp: 119825
 Ion Ratio Lower Upper
 146 100
 111 40.5 27.0 50.2
 148 64.1 44.2 82.2



#65
 1,4-Dichlorobenzene
 Concen: 5.290 ug/L
 RT: 11.217 min Scan# 3165
 Delta R.T. 0.000 min
 Lab File: VV030486.D
 Acq: 11 Apr 2023 09:50

Tgt Ion:146 Resp: 120469
 Ion Ratio Lower Upper
 146 100
 111 36.8 26.0 48.4
 148 62.9 45.2 84.0

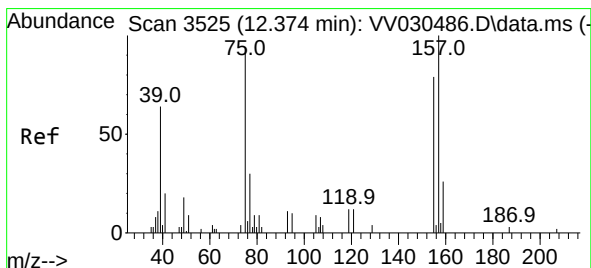
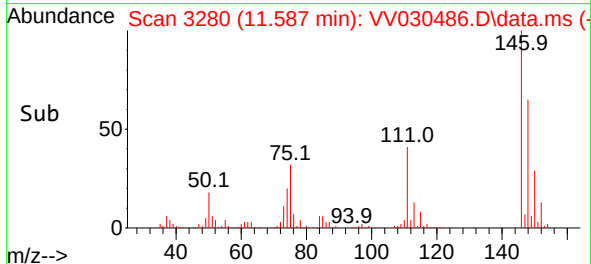
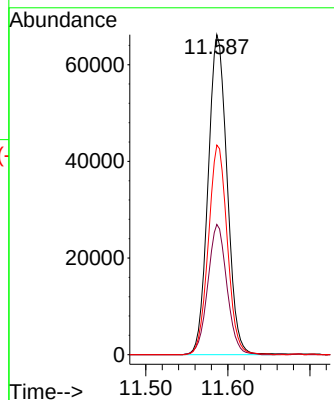
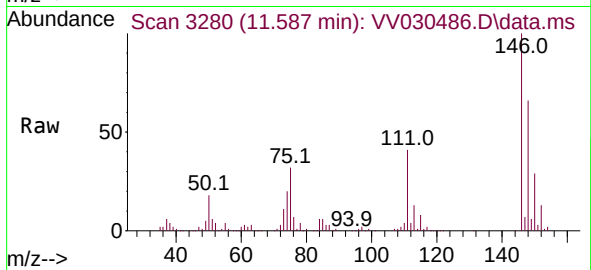




#67
1,2-Dichlorobenzene
Concen: 5.226 ug/L
RT: 11.587 min Scan# 311
Delta R.T. 0.000 min
Lab File: VV030486.D
Acq: 11 Apr 2023 09:50

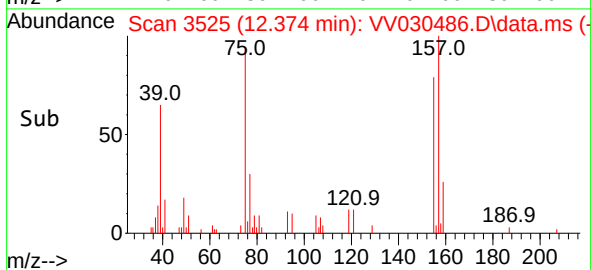
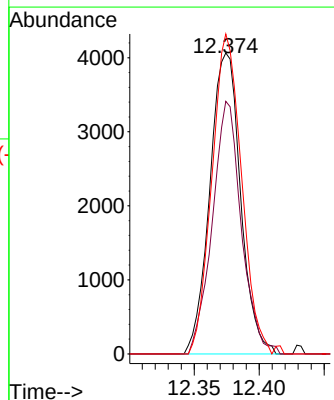
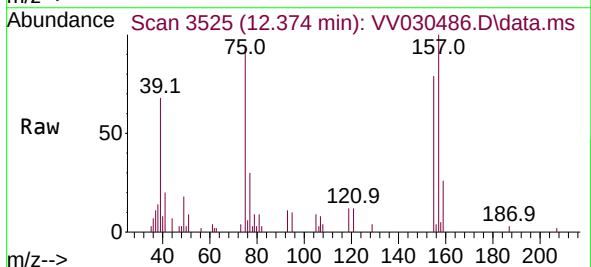
Instrument :
MSVOA_V
ClientSampleId :
VSTD005328

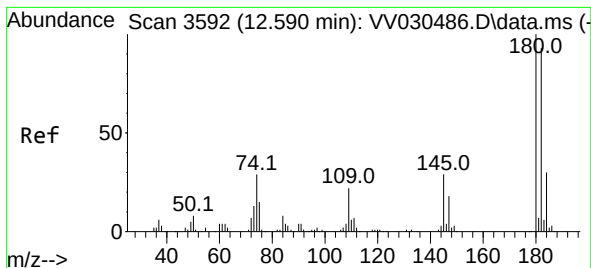
Tgt Ion:146 Resp: 106442
Ion Ratio Lower Upper
146 100
111 40.7 33.1 49.7
148 65.5 52.2 78.2



#68
1,2-Dibromo-3-chloropropane
Concen: 4.891 ug/L
RT: 12.374 min Scan# 3525
Delta R.T. 0.003 min
Lab File: VV030486.D
Acq: 11 Apr 2023 09:50

Tgt Ion: 75 Resp: 6685
Ion Ratio Lower Upper
75 100
155 83.9 64.6 96.8
157 106.3 83.8 125.6





#69

1,3,5-Trichlorobenzene

Concen: 5.310 ug/L

RT: 12.590 min Scan# 3592

Delta R.T. 0.000 min

Lab File: VV030486.D

Acq: 11 Apr 2023 09:50

Instrument :

MSVOA_V

ClientSampleId :

VSTD005328

Tgt Ion:180 Resp: 92413

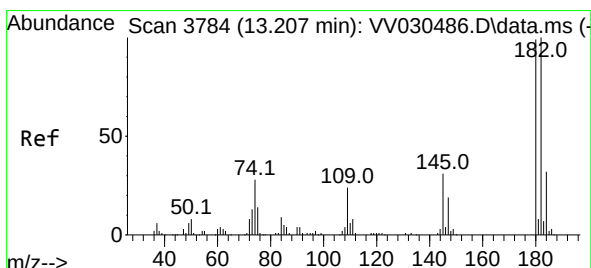
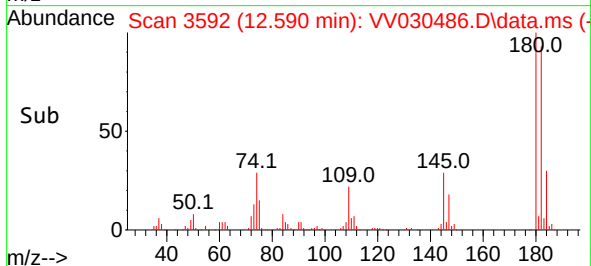
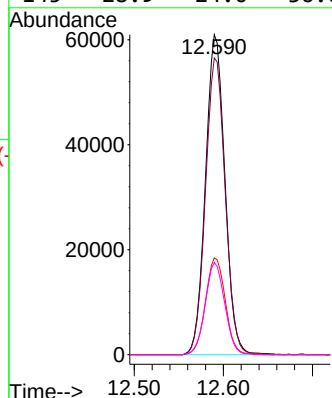
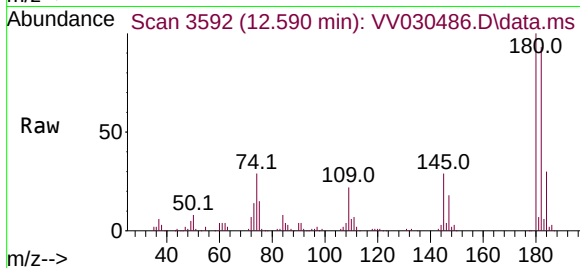
Ion Ratio Lower Upper

180 100

182 94.2 76.5 114.7

184 30.9 24.0 36.0

145 28.9 24.0 36.0



#70

1,2,4-trichlorobenzene

Concen: 4.938 ug/L

RT: 13.207 min Scan# 3784

Delta R.T. 0.000 min

Lab File: VV030486.D

Acq: 11 Apr 2023 09:50

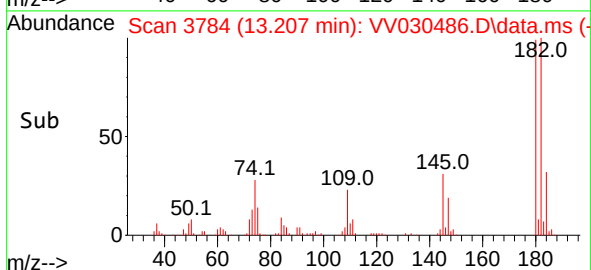
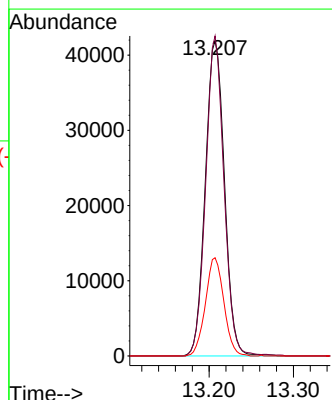
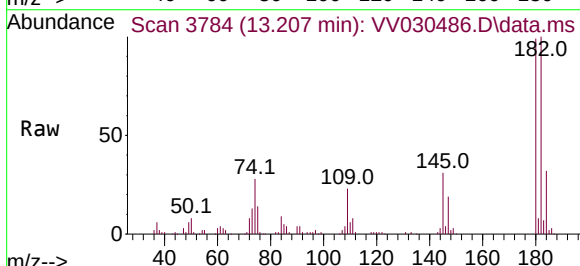
Tgt Ion:180 Resp: 66350

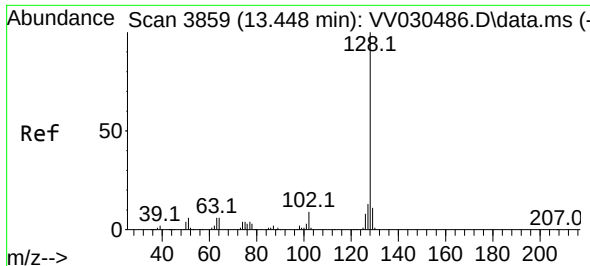
Ion Ratio Lower Upper

180 100

182 96.7 75.3 112.9

145 30.1 23.8 35.6

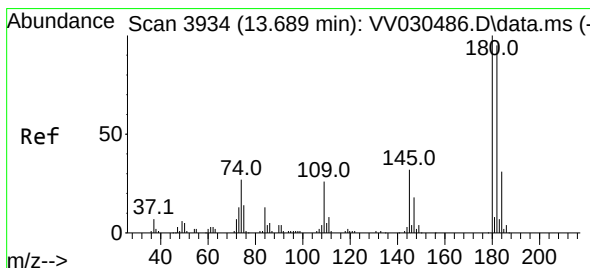
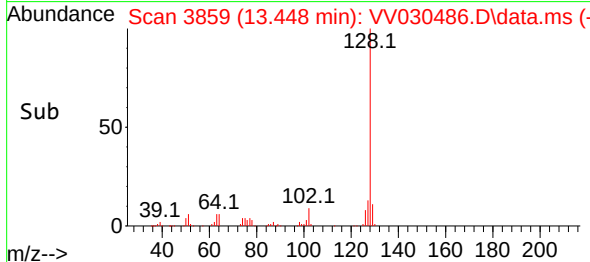
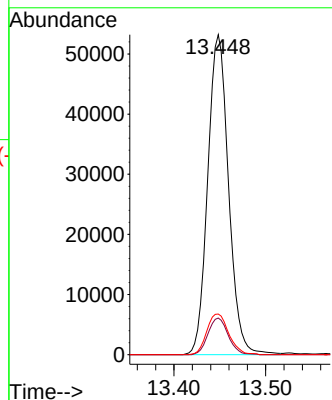
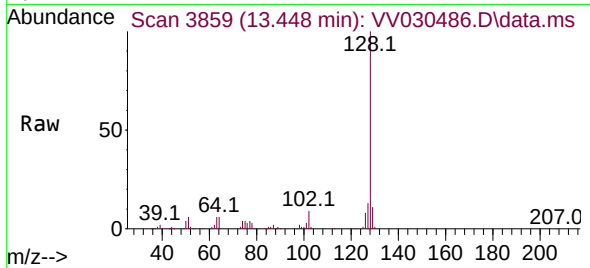




#71
Naphthalene
Concen: 4.377 ug/L
RT: 13.448 min Scan# 3859
Delta R.T. 0.000 min
Lab File: VV030486.D
Acq: 11 Apr 2023 09:50

Instrument :
MSVOA_V
ClientSampleId :
VSTD005328

Tgt Ion:128 Resp: 84006
Ion Ratio Lower Upper
128 100
129 11.1 8.9 13.3
127 13.4 10.8 16.2



#72
1,2,3-Trichlorobenzene
Concen: 4.871 ug/L
RT: 13.689 min Scan# 3934
Delta R.T. 0.000 min
Lab File: VV030486.D
Acq: 11 Apr 2023 09:50

Tgt Ion:180 Resp: 56697
Ion Ratio Lower Upper
180 100
182 94.6 76.6 115.0
145 32.0 25.0 37.4

