

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL121624\
 Data File : VL041755.D
 Acq On : 16 Dec 2024 15:05
 Operator : SY/MD
 Sample : VSTDICC0.5
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC0.5

Quant Time: Dec 19 06:14:17 2024

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL121624AIR.M

Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022

QLast Update : Thu Dec 19 06:09:59 2024

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.787	49	66562	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.959	114	178453	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.882	117	158571	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	10.377	95	132273	10.010	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.100%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.496	85	6277	0.530	ppbv	94
3) Chlorodifluoromethane	1.476	51	5587	0.515	ppbv	95
4) Chloromethane	1.531	50	2452	0.529	ppbv	90
5) Vinyl Chloride	1.580	62	2269	0.486	ppbv	97
6) Bromomethane	1.667	94	1143	0.519	ppbv #	78
7) Chloroethane	1.703	64	939	0.518	ppbv	88
8) Dichlorotetrafluoroethane	1.554	85	5699	0.538	ppbv	97
9) Propene	1.483	41	2622	0.557	ppbv #	82
10) Heptane	4.978	43	5865	0.485	ppbv	98
11) Trichlorofluoromethane	1.878	101	6594	0.524	ppbv	99
12) 1,1,2-Trichlorotrifluo...	2.140	101	4962	0.519	ppbv	96
13) Ethanol	1.719	45	378	0.966	ppbv	96
14) Bromoethene	1.781	108	1694	0.524	ppbv #	93
15) Acetone	1.836	43	8233	0.636	ppbv	97
16) 1,3-Butadiene	1.609	39	2966	0.582	ppbv	88
17) tert-Butyl alcohol	2.043	59	6654	0.518	ppbv #	91
18) 1,1-Dichloroethene	2.033	96	2022	0.504	ppbv	96
19) Isopropyl Alcohol	1.884	45	5687	0.732	ppbv #	39
20) Methylene Chloride	2.062	84	2174	0.589	ppbv #	91
21) Allyl Chloride	2.098	41	3354	0.478	ppbv	86
22) trans-1,2-Dichloroethene	2.341	96	2494	0.543	ppbv	83
23) Vinyl Acetate	2.464	43	2599	0.462	ppbv #	98
24) 1,1-Dichloroethane	2.409	63	4854	0.522	ppbv #	97
25) Ethyl Acetate	2.839	43	12040	0.497	ppbv #	97
26) Hexane	2.829	57	4735	0.518	ppbv	96
27) Carbon Disulfide	2.153	76	3409	0.414	ppbv #	37
28) Methyl tert-Butyl Ether	2.441	73	3438	0.464	ppbv	99
29) Chloroform	2.849	83	7172	0.515	ppbv	98
30) Cyclohexane	3.859	84	4051	0.521	ppbv	96
31) cis-1,2-Dichloroethene	2.723	61	4758	0.504	ppbv	91
32) 1,1,1-Trichloroethane	3.367	97	7182	0.518	ppbv	99
34) 2-Butanone	2.557	43	7756	0.540	ppbv	94
35) Carbon Tetrachloride	3.765	117	5655	0.446	ppbv	90
36) Benzene	3.658	78	9629	0.522	ppbv	97
37) 1,2-Dichloroethane	3.218	62	6154	0.536	ppbv	99
38) Trichloroethene	4.551	130	2613	0.336	ppbv #	88
39) 1,2-Dichloropropane	4.318	63	2224	0.333	ppbv #	84
40) 1,4-Dioxane	4.597	88	229	0.070	ppbv #	20
41) Tetrahydrofuran	3.066	42	4061	0.505	ppbv	99
42) Bromodichloromethane	4.490	83	3315	0.251	ppbv #	95
43) Methyl Methacrylate	4.881	69	3322	0.472	ppbv	99
44) 2,2,4-Trimethylpentane	4.645	57	9729	0.309	ppbv #	39
45) t-1,3-Dichloropropene	6.438	75	279	0.038	ppbv	92

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL121624\
 Data File : VL041755.D
 Acq On : 16 Dec 2024 15:05
 Operator : SY/MD
 Sample : VSTDICC0.5
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

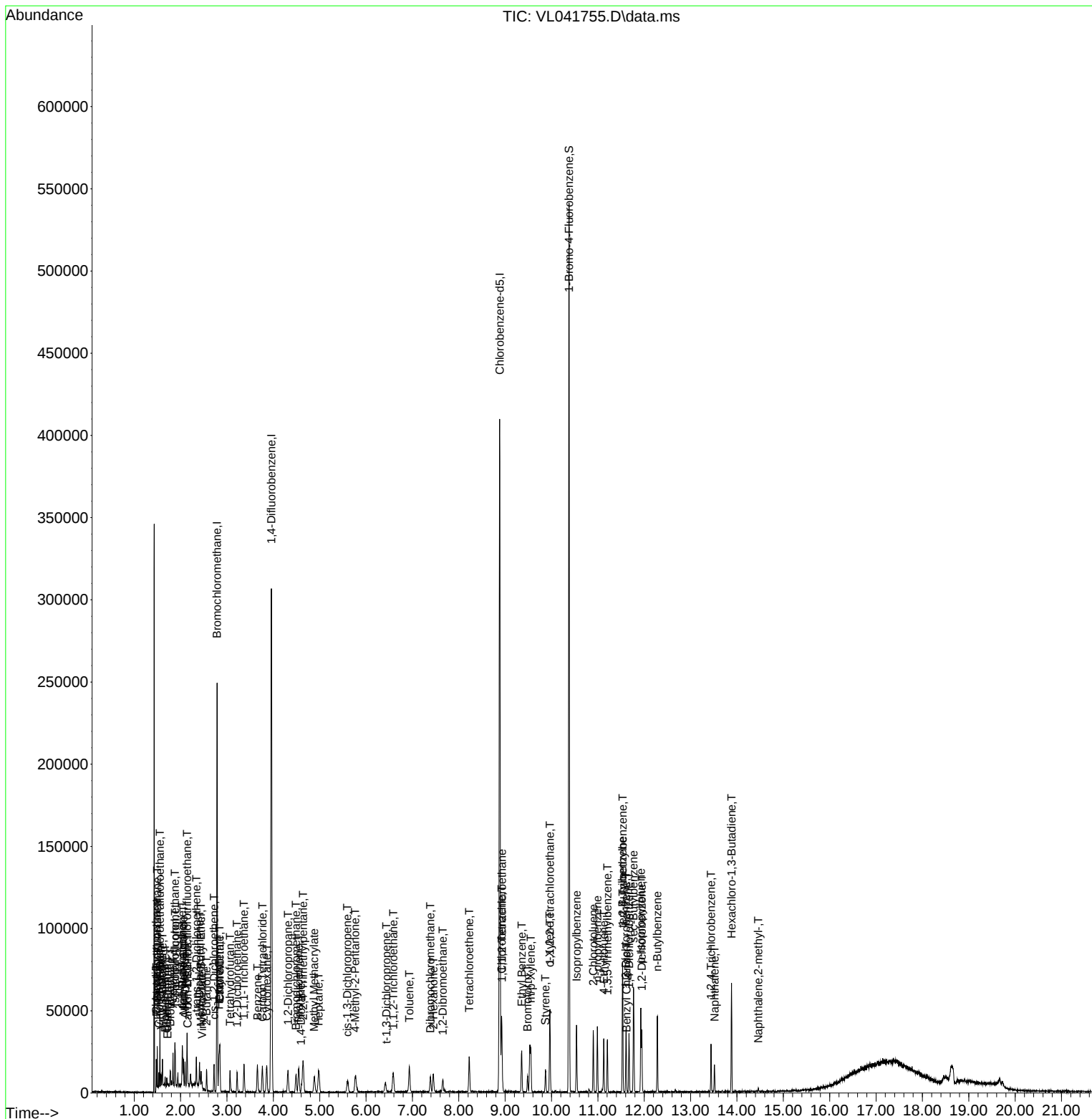
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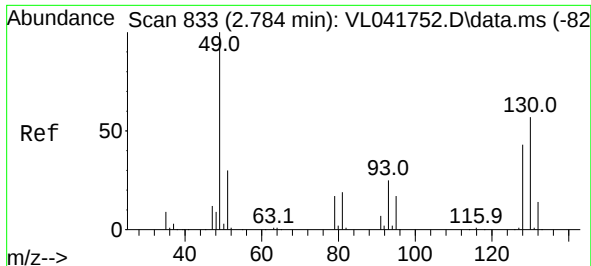
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 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Thu Dec 19 06:09:59 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.597	75	1656	0.179	ppbv #	81
47) 1,1,2-Trichloroethane	6.587	97	2388	0.342	ppbv #	84
48) Dibromochloromethane	7.387	129	3865	0.406	ppbv	99
49) Bromoform	9.484	173	2869	0.368	ppbv	96
50) 4-Methyl-2-Pentanone	5.765	43	4771	0.244	ppbv #	41
51) 2-Hexanone	7.451	43	7412	0.468	ppbv #	99
52) Tetrachloroethene	8.225	164	3091	0.450	ppbv #	78
53) Toluene	6.933	91	10554	0.504	ppbv	99
54) 1,2-Dibromoethane	7.652	107	2762	0.287	ppbv	88
56) 1,1,1,2-Tetrachloroethane	8.930	131	1785	0.212	ppbv #	1
57) Chlorobenzene	8.927	112	4266	0.263	ppbv	95
58) Ethyl Benzene	9.358	91	13428	0.470	ppbv	97
59) m/p-Xylene	9.552	91	10592	0.461	ppbv #	100
60) o-Xylene	9.963	91	10954	0.476	ppbv	98
61) Styrene	9.869	104	4314	0.433	ppbv	94
62) Isopropylbenzene	10.542	105	16953	0.490	ppbv	95
63) 1,1,2,2-Tetrachloroethane	9.966	83	7559	0.525	ppbv	98
64) n-propylbenzene	10.989	120	4126	0.472	ppbv	92
65) tert-Butylbenzene	11.529	119	15569	0.499	ppbv	99
66) Benzyl Chloride	11.620	91	580	0.211	ppbv #	76
67) sec-Butylbenzene	11.769	105	21263	0.492	ppbv	96
69) p-Isopropyltoluene	11.928	119	17041	0.479	ppbv	99
70) n-Butylbenzene	12.284	91	15671	0.456	ppbv	99
71) 2-Chlorotoluene	10.902	91	13000	0.492	ppbv	97
72) 4-Ethyltoluene	11.128	105	13324	0.491	ppbv	98
73) 1,3,5-Trimethylbenzene	11.206	105	10497	0.466	ppbv	91
74) 1,2,4-Trimethylbenzene	11.536	105	11070	0.457	ppbv #	76
75) 1,3-Dichlorobenzene	11.604	146	8107	0.525	ppbv	99
76) 1,4-Dichlorobenzene	11.672	146	7893	0.517	ppbv	97
77) 1,2-Dichlorobenzene	11.950	146	7997	0.538	ppbv	96
78) Hexachloro-1,3-Butadiene	13.882	225	6232	0.565	ppbv	98
79) Naphthalene	13.517	128	7360	0.436	ppbv	99
80) Naphthalene,2-methyl-	14.462	142	748	0.143	ppbv	94
81) 1,2,4-Trichlorobenzene	13.442	180	4248	0.460	ppbv	93

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

Quant Time: Dec 19 06:14:17 2024
Quant Method : Z:\voasrv\HPCHEM1\MSV0A_L\methods\VL121624AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSV0A_LFri Aug 26 06:05:16 2022
QLast Update : Thu Dec 19 06:09:59 2024
Response via : Initial Calibration

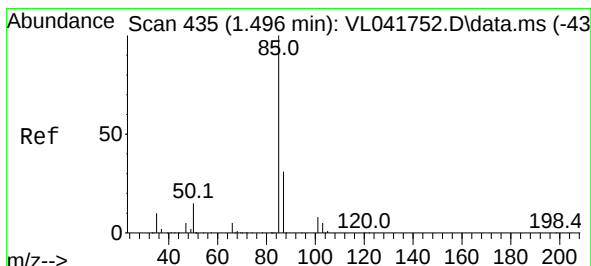
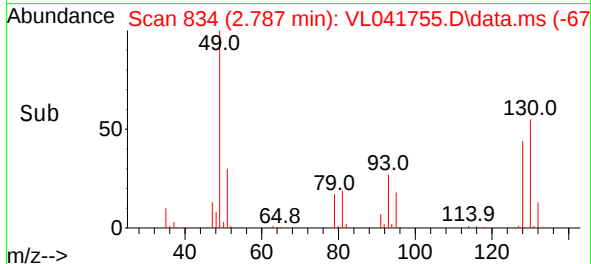
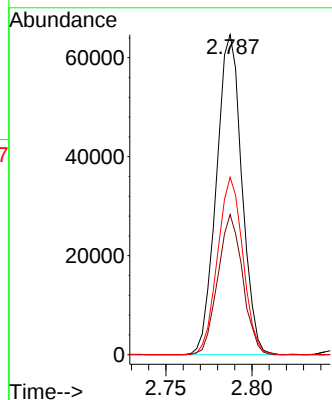
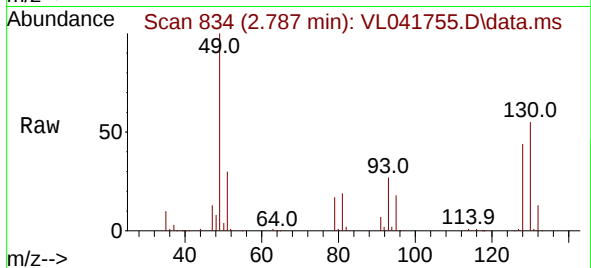




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.787 min Scan# 834
Delta R.T. 0.003 min
Lab File: VL041755.D
Acq: 16 Dec 2024 15:05

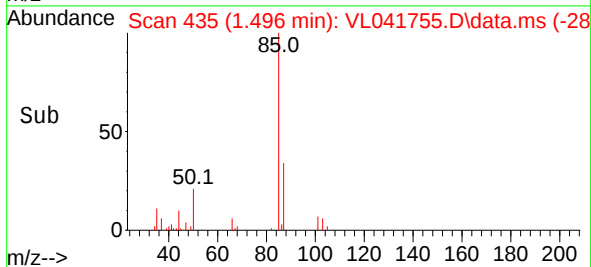
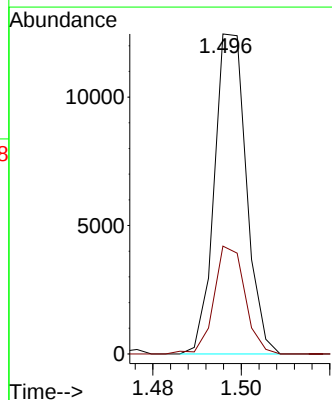
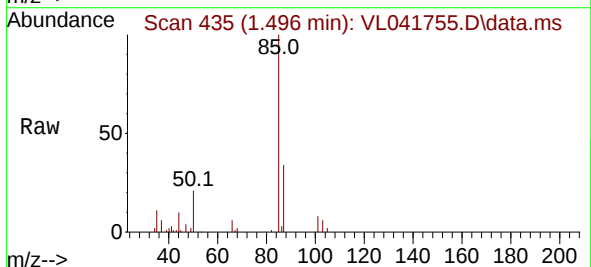
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MSVOA_1
ClientSampleId :
VSTDIC0.5

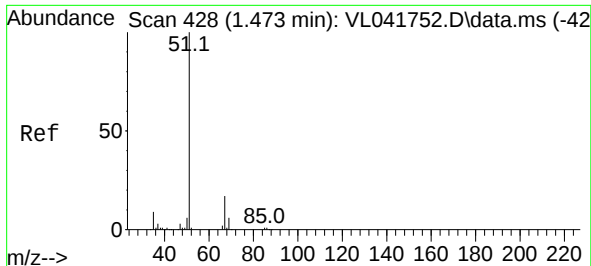
Tgt Ion: 49 Resp: 66562
Ion Ratio Lower Upper
49 100
128 42.6 21.6 64.6
130 55.1 28.3 85.0



#2
Dichlorodifluoromethane
Concen: 0.530 ppbv
RT: 1.496 min Scan# 435
Delta R.T. -0.000 min
Lab File: VL041755.D
Acq: 16 Dec 2024 15:05

Tgt Ion: 85 Resp: 6277
Ion Ratio Lower Upper
85 100
87 33.7 24.5 36.7

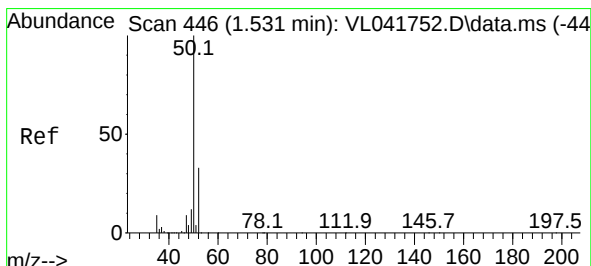
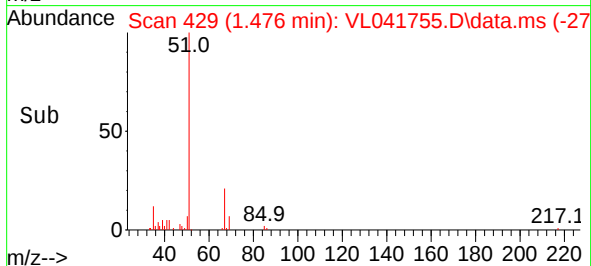
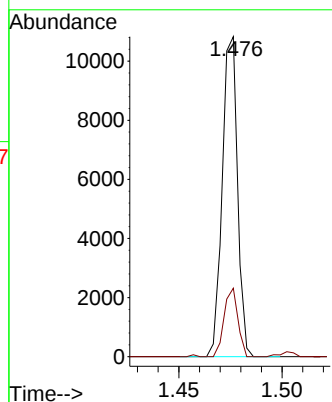
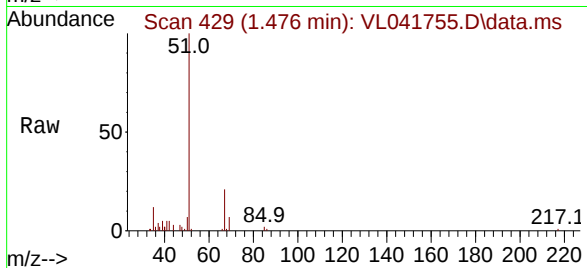




#3
Chlorodifluoromethane
Concen: 0.515 ppbv
RT: 1.476 min Scan# 428
Delta R.T. 0.003 min
Lab File: VL041755.D
Acq: 16 Dec 2024 15:05

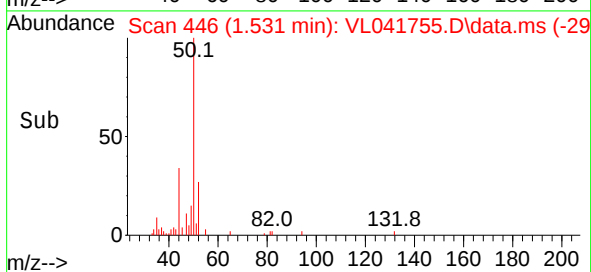
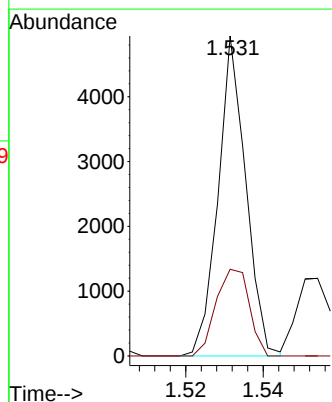
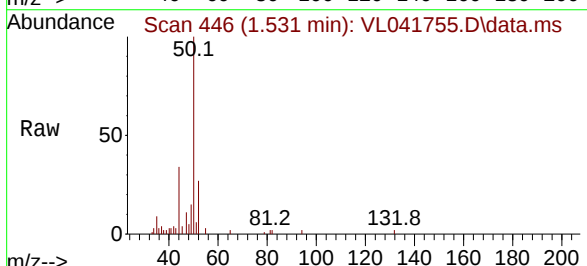
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

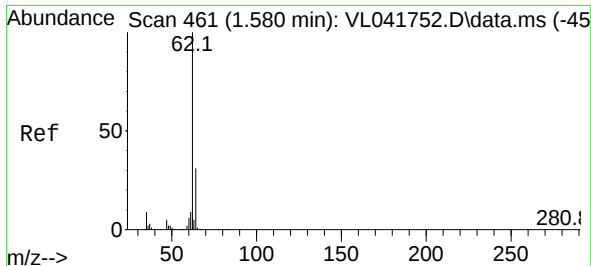
Tgt Ion: 51 Resp: 5587
Ion Ratio Lower Upper
51 100
67 21.0 15.0 22.4



#4
Chloromethane
Concen: 0.529 ppbv
RT: 1.531 min Scan# 446
Delta R.T. -0.000 min
Lab File: VL041755.D
Acq: 16 Dec 2024 15:05

Tgt Ion: 50 Resp: 2452
Ion Ratio Lower Upper
50 100
52 27.1 26.2 39.2

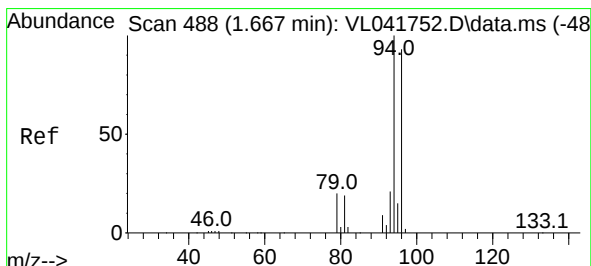
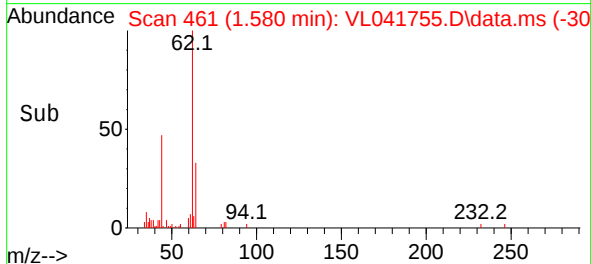
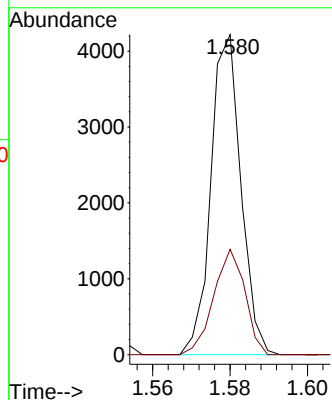
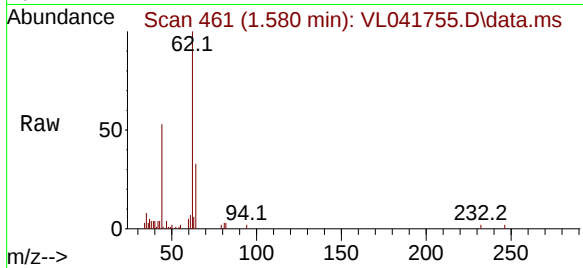




#5
 Vinyl Chloride
 Concen: 0.486 ppbv
 RT: 1.580 min Scan# 461
 Delta R.T. -0.000 min
 Lab File: VL041755.D
 Acq: 16 Dec 2024 15:05

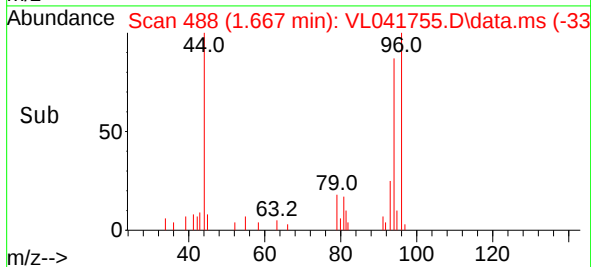
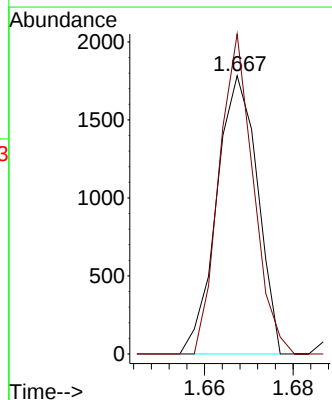
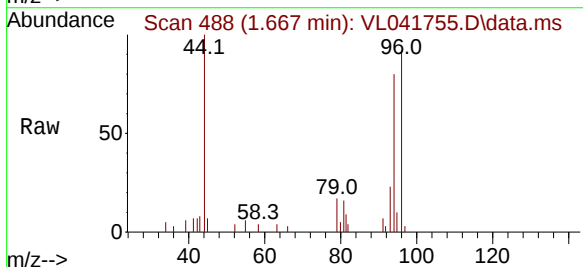
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 ClientSampleId :
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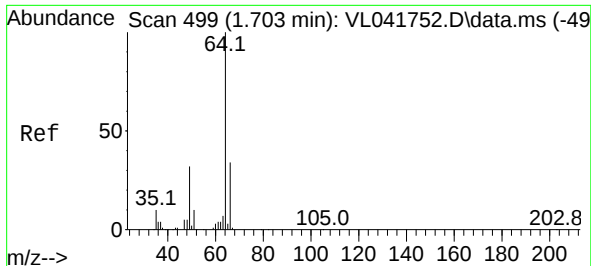
Tgt Ion: 62 Resp: 2269
 Ion Ratio Lower Upper
 62 100
 64 32.9 25.1 37.7



#6
 Bromomethane
 Concen: 0.519 ppbv
 RT: 1.667 min Scan# 488
 Delta R.T. -0.000 min
 Lab File: VL041755.D
 Acq: 16 Dec 2024 15:05

Tgt Ion: 94 Resp: 1143
 Ion Ratio Lower Upper
 94 100
 96 115.0 74.7 112.1#

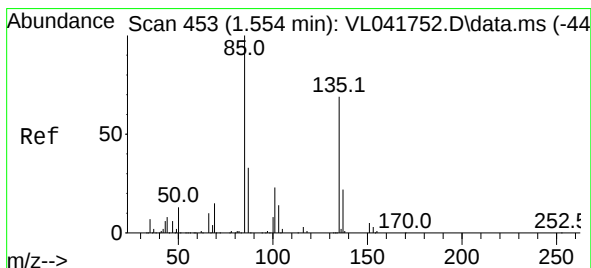
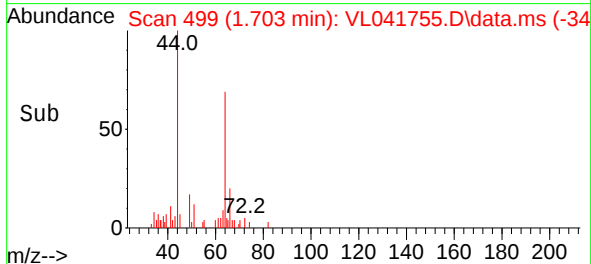
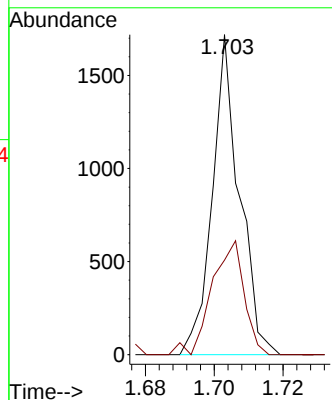
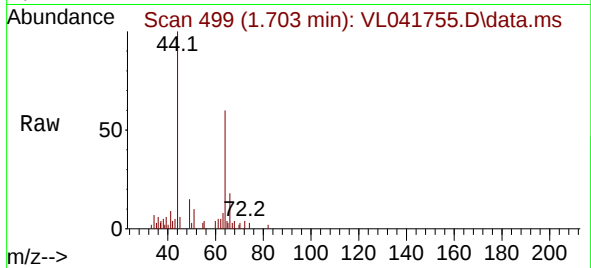




#7
Chloroethane
Concen: 0.518 ppbv
RT: 1.703 min Scan# 499
Delta R.T. -0.000 min
Lab File: VL041755.D
Acq: 16 Dec 2024 15:05

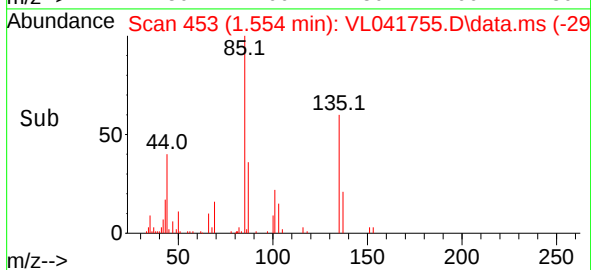
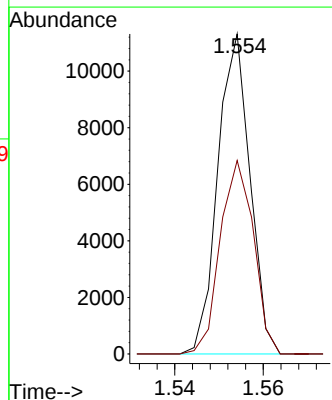
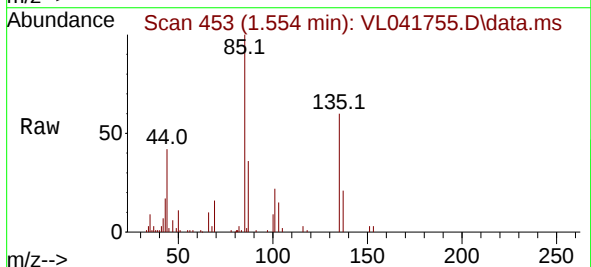
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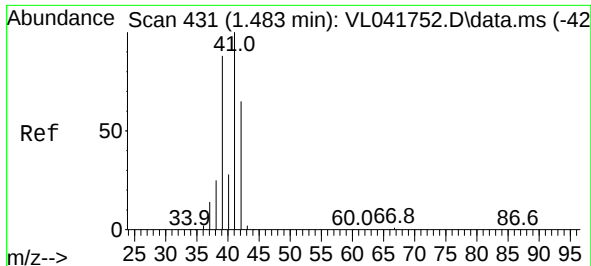
Tgt Ion: 64 Resp: 939
Ion Ratio Lower Upper
64 100
66 27.6 27.5 41.3



#8
Dichlorotetrafluoroethane
Concen: 0.538 ppbv
RT: 1.554 min Scan# 453
Delta R.T. -0.000 min
Lab File: VL041755.D
Acq: 16 Dec 2024 15:05

Tgt Ion: 85 Resp: 5699
Ion Ratio Lower Upper
85 100
135 62.8 51.9 77.9





#9

Propene

Concen: 0.557 ppbv

RT: 1.483 min Scan# 41

Delta R.T. -0.000 min

Lab File: VL041755.D

Acq: 16 Dec 2024 15:05

Instrument :

MSVOA_L

ClientSampleId :

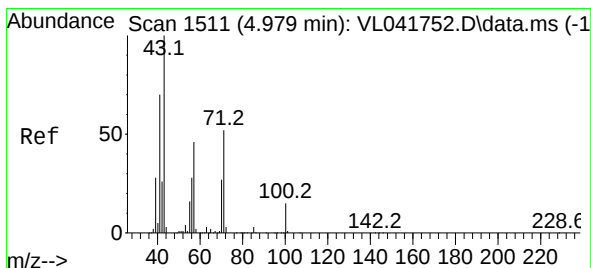
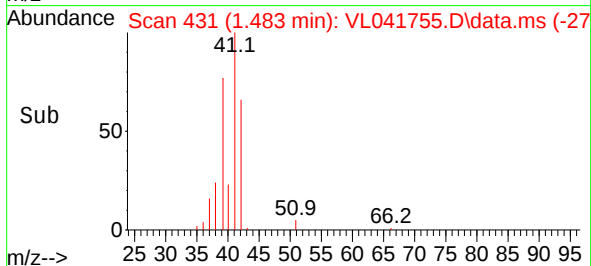
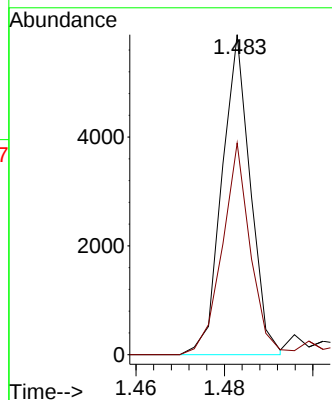
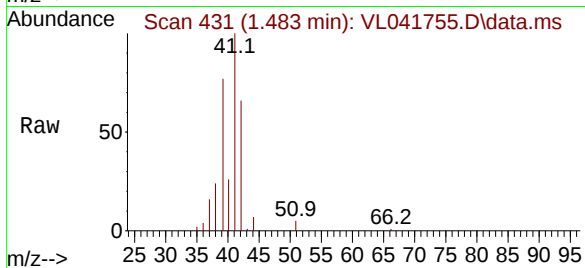
VSTDIC0.5

Tgt Ion: 41 Resp: 2622

Ion Ratio Lower Upper

41 100

42 79.6 52.4 78.6#



#10

Heptane

Concen: 0.485 ppbv

RT: 4.978 min Scan# 1511

Delta R.T. -0.000 min

Lab File: VL041755.D

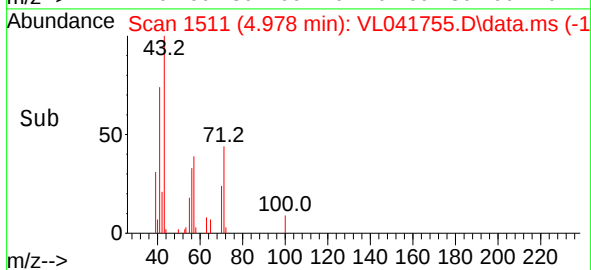
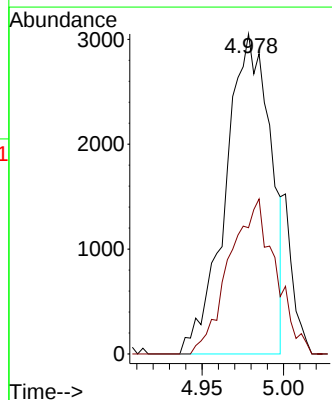
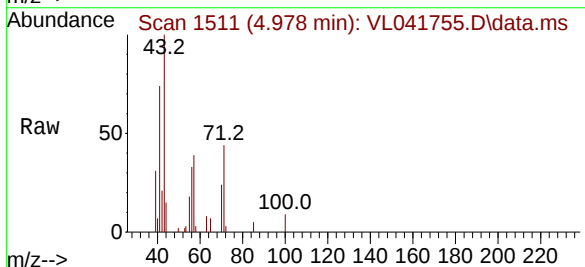
Acq: 16 Dec 2024 15:05

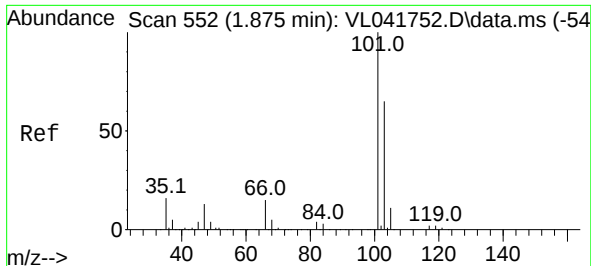
Tgt Ion: 43 Resp: 5865

Ion Ratio Lower Upper

43 100

57 49.5 38.5 57.7





#11

Trichlorofluoromethane

Concen: 0.524 ppbv

RT: 1.878 min Scan# 552

Delta R.T. 0.003 min

Lab File: VL041755.D

Acq: 16 Dec 2024 15:05

Instrument :

MSVOA_L

ClientSampleId :

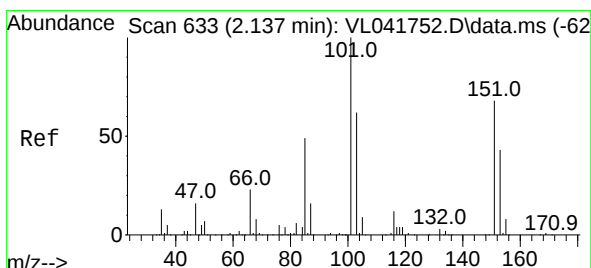
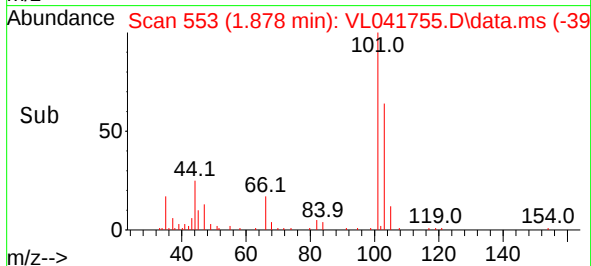
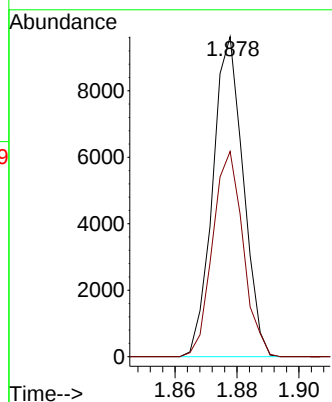
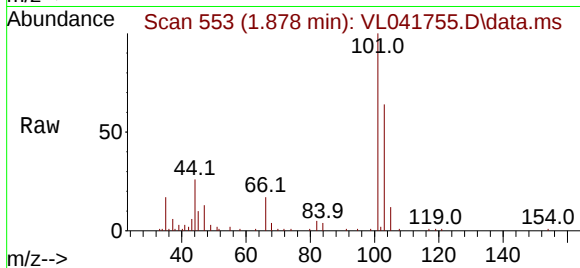
VSTDIC0.5

Tgt Ion:101 Resp: 6594

Ion Ratio Lower Upper

101 100

103 64.2 51.8 77.8



#12

1,1,2-Trichlorotrifluoroethane

Concen: 0.519 ppbv

RT: 2.140 min Scan# 634

Delta R.T. 0.003 min

Lab File: VL041755.D

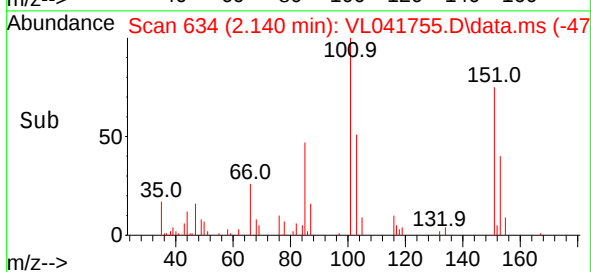
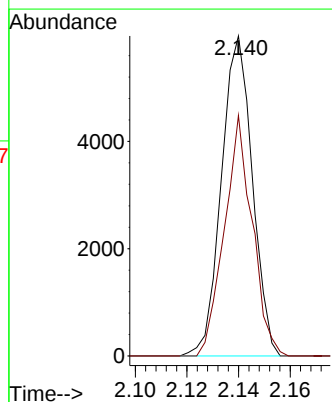
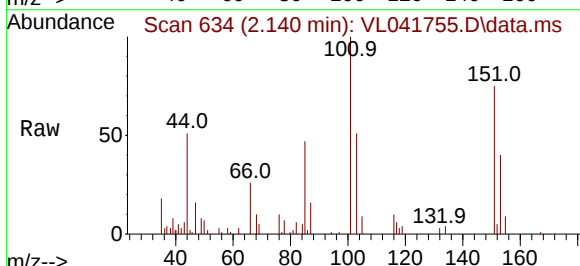
Acq: 16 Dec 2024 15:05

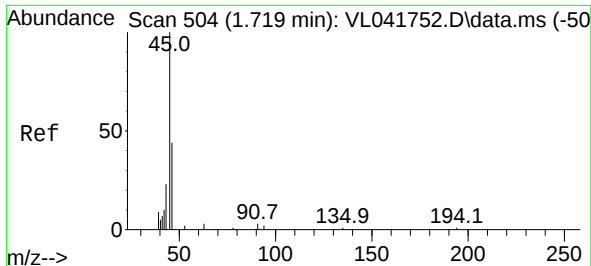
Tgt Ion:101 Resp: 4962

Ion Ratio Lower Upper

101 100

151 67.9 56.8 85.2





#13

Ethanol

Concen: 0.966 ppbv

RT: 1.719 min Scan# 504

Delta R.T. -0.000 min

Lab File: VL041755.D

Acq: 16 Dec 2024 15:05

Instrument :

MSVOA_1

ClientSampleId :

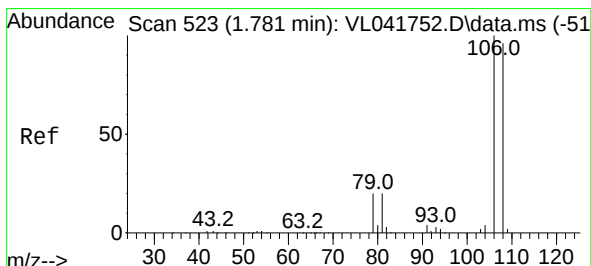
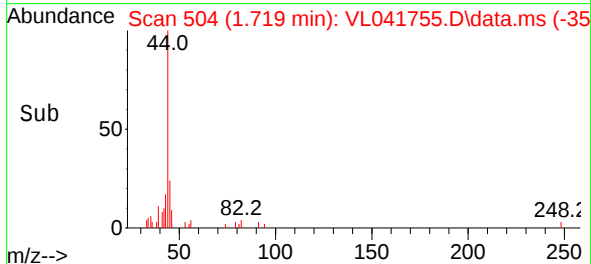
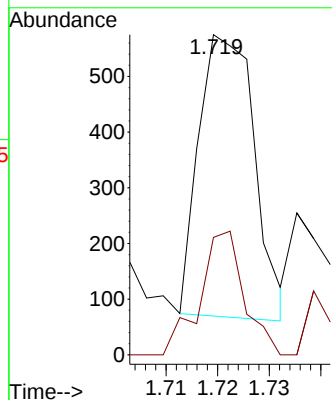
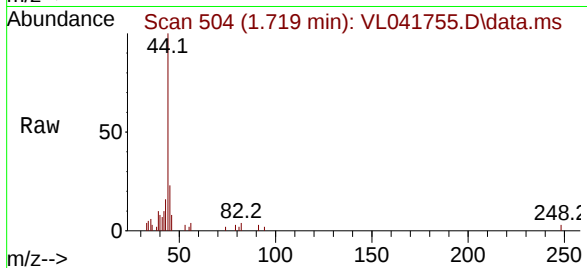
VSTDIC0.5

Tgt Ion: 45 Resp: 378

Ion Ratio Lower Upper

45 100

46 43.9 16.4 65.8



#14

Bromoethene

Concen: 0.524 ppbv

RT: 1.781 min Scan# 523

Delta R.T. -0.000 min

Lab File: VL041755.D

Acq: 16 Dec 2024 15:05

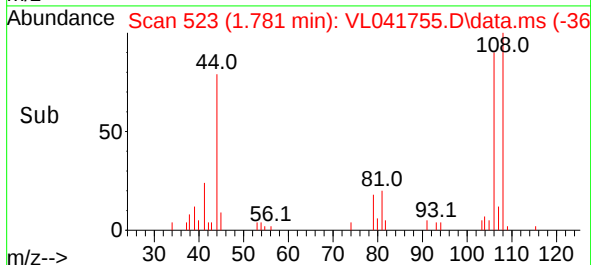
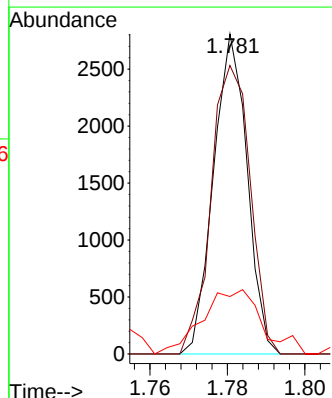
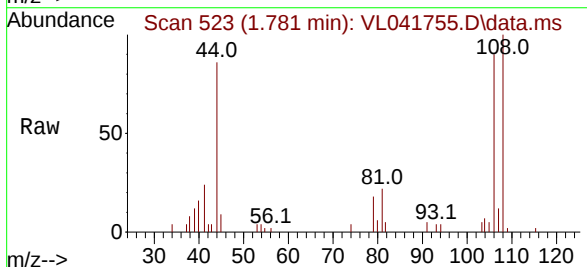
Tgt Ion:108 Resp: 1694

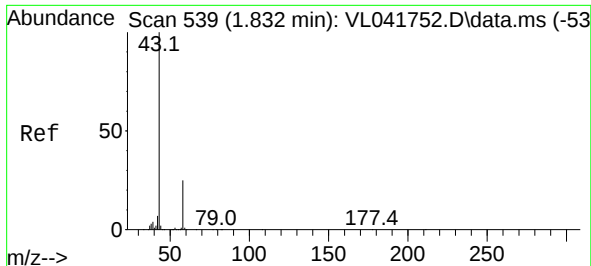
Ion Ratio Lower Upper

108 100

106 105.1 84.1 126.1

79 41.4 17.4 26.0#





#15

Acetone

Concen: 0.636 ppbv

RT: 1.836 min Scan# 54

Delta R.T. 0.003 min

Lab File: VL041755.D

Acq: 16 Dec 2024 15:05

Instrument :

MSVOA_L

ClientSampleId :

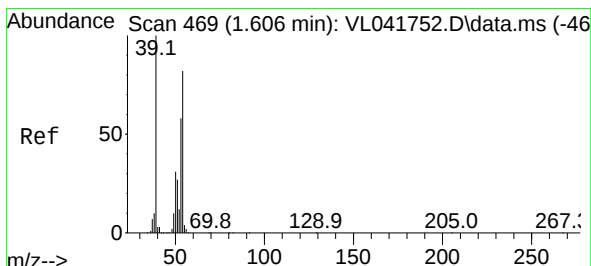
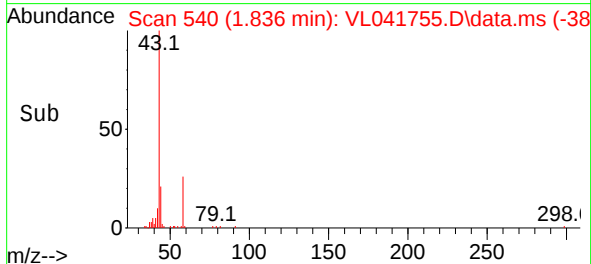
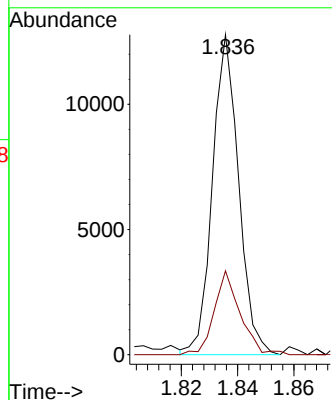
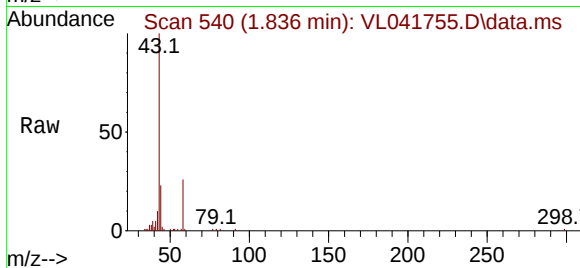
VSTDIC0.5

Tgt Ion: 43 Resp: 8233

Ion Ratio Lower Upper

43 100

58 26.0 19.7 29.5



#16

1,3-Butadiene

Concen: 0.582 ppbv

RT: 1.609 min Scan# 470

Delta R.T. 0.003 min

Lab File: VL041755.D

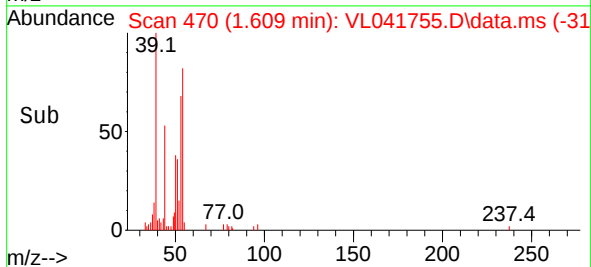
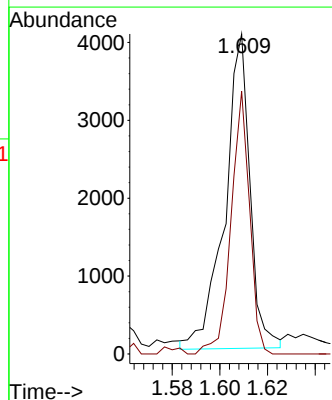
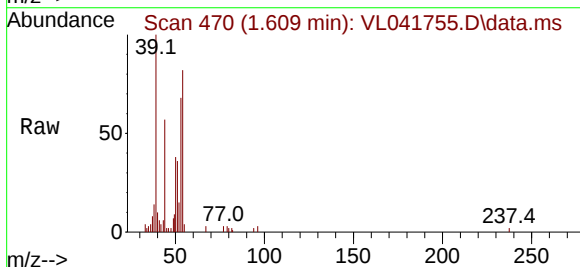
Acq: 16 Dec 2024 15:05

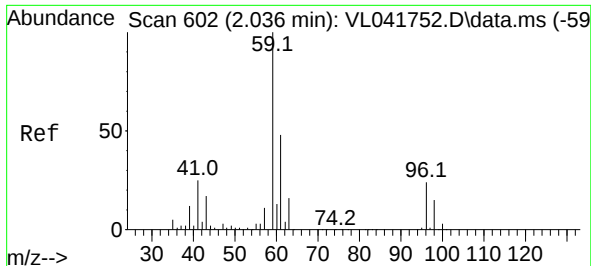
Tgt Ion: 39 Resp: 2966

Ion Ratio Lower Upper

39 100

54 62.8 58.4 87.6





#17

tert-Butyl alcohol

Concen: 0.518 ppbv

RT: 2.043 min Scan# 602

Delta R.T. 0.006 min

Lab File: VL041755.D

Acq: 16 Dec 2024 15:05

Instrument :

MSVOA_1

ClientSampleId :

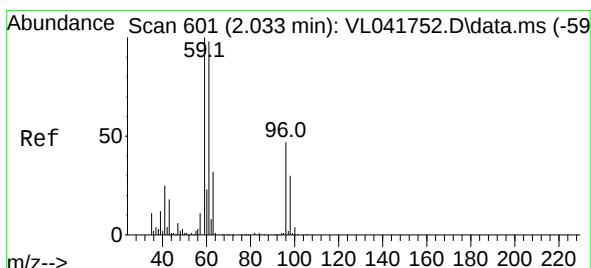
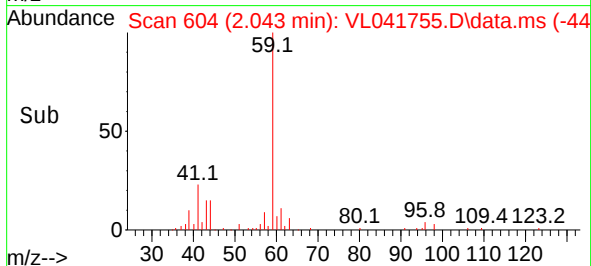
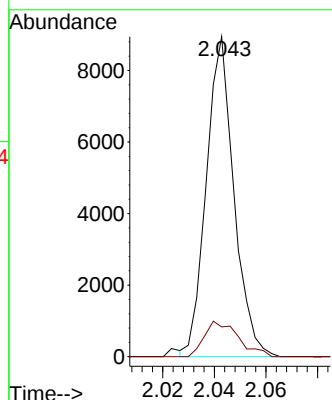
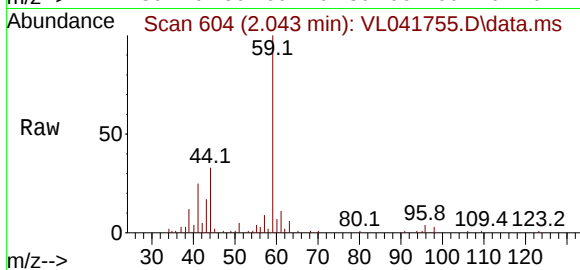
VSTDIC0.5

Tgt Ion: 59 Resp: 6654

Ion Ratio Lower Upper

59 100

57 14.3 8.6 13.0#



#18

1,1-Dichloroethene

Concen: 0.504 ppbv

RT: 2.033 min Scan# 601

Delta R.T. -0.000 min

Lab File: VL041755.D

Acq: 16 Dec 2024 15:05

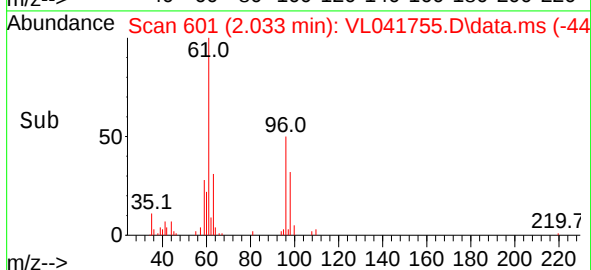
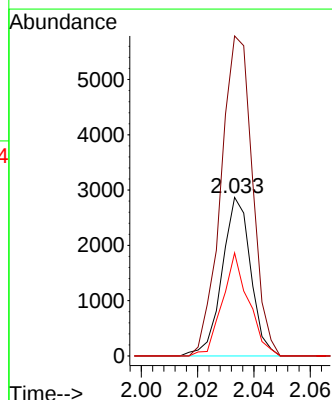
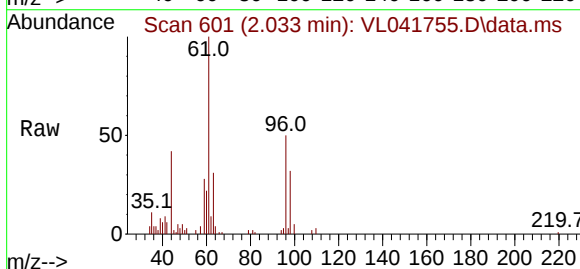
Tgt Ion: 96 Resp: 2022

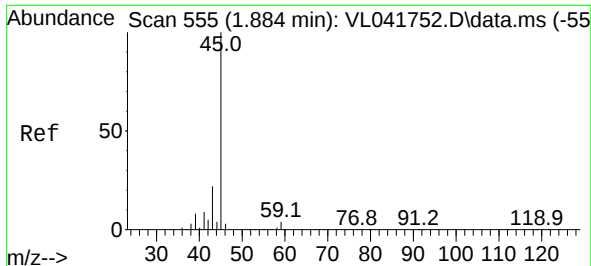
Ion Ratio Lower Upper

96 100

61 201.9 167.7 251.5

98 65.1 51.1 76.7





#19

Isopropyl Alcohol

Concen: 0.732 ppbv

RT: 1.884 min Scan# 51

Delta R.T. -0.000 min

Lab File: VL041755.D

Acq: 16 Dec 2024 15:05

Instrument :

MSVOA_1

ClientSampleId :

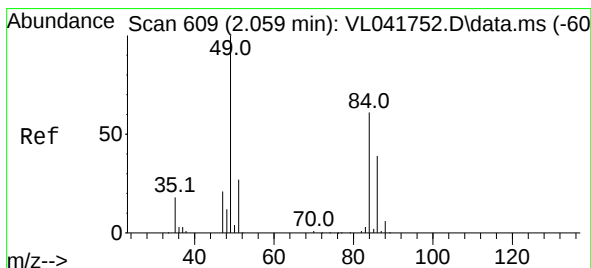
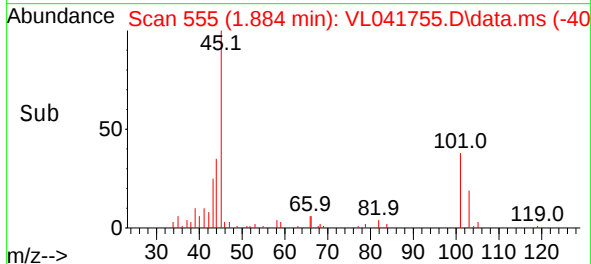
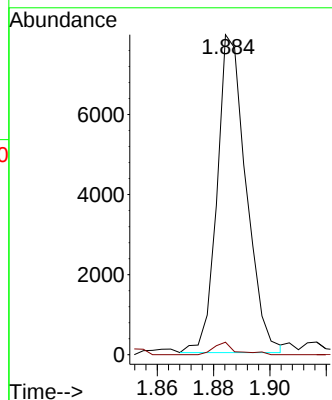
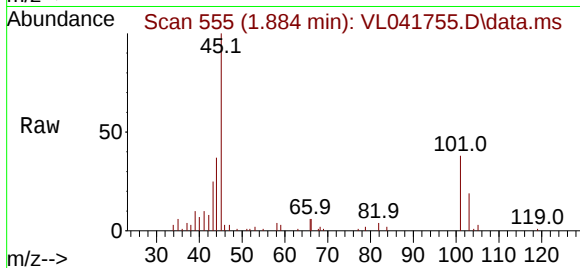
VSTDIC0.5

Tgt Ion: 45 Resp: 5687

Ion Ratio Lower Upper

45 100

58 2.9 33.3 49.9#



#20

Methylene Chloride

Concen: 0.589 ppbv

RT: 2.062 min Scan# 610

Delta R.T. 0.003 min

Lab File: VL041755.D

Acq: 16 Dec 2024 15:05

Tgt Ion: 84 Resp: 2174

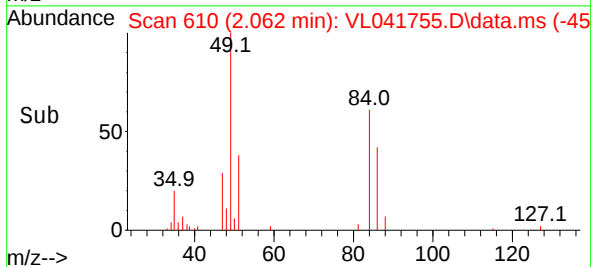
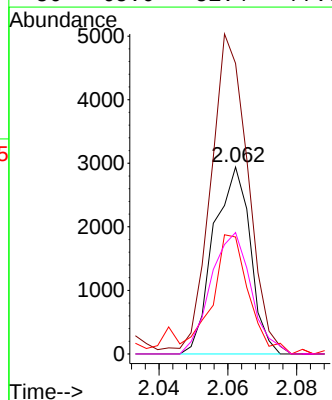
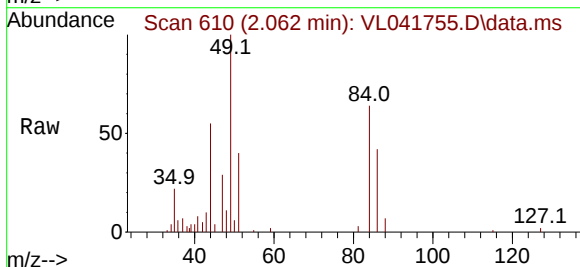
Ion Ratio Lower Upper

84 100

49 152.6 132.6 198.8

51 57.2 37.6 56.4#

86 65.0 51.4 77.0

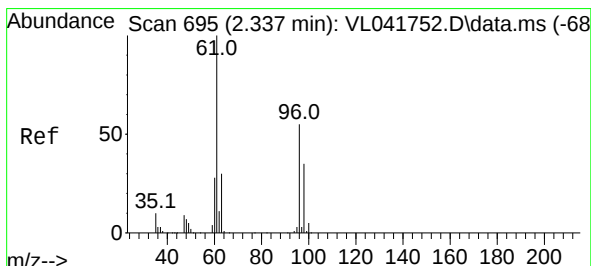
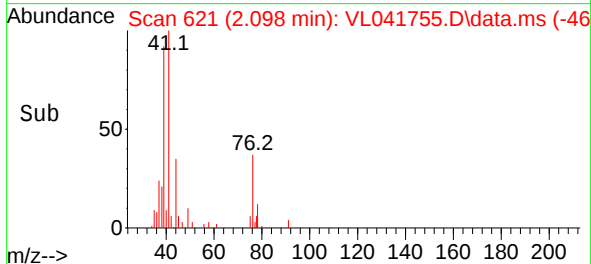
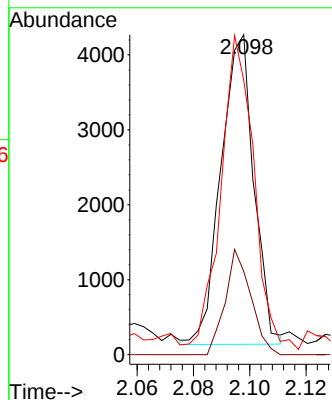
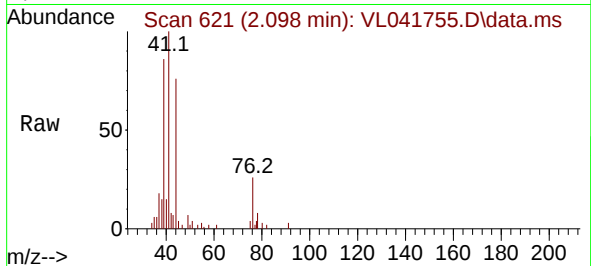




#21
 Allyl Chloride
 Concen: 0.478 ppbv
 RT: 2.098 min Scan# 61
 Delta R.T. 0.003 min
 Lab File: VL041755.D
 Acq: 16 Dec 2024 15:05

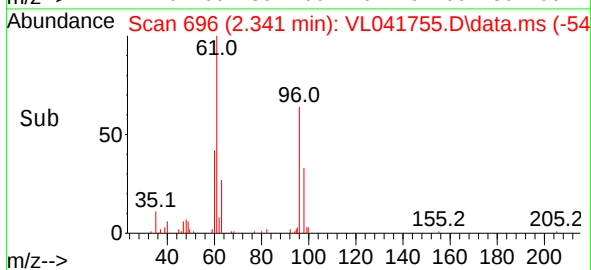
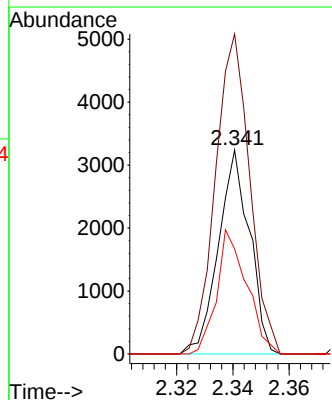
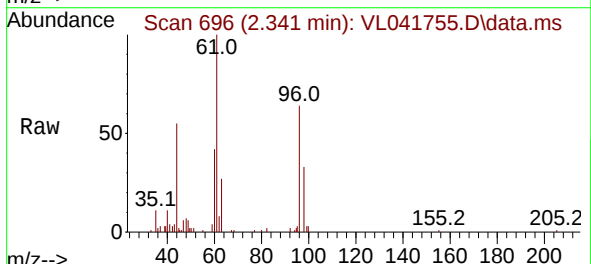
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

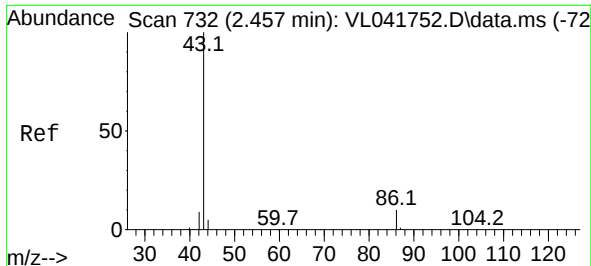
Tgt Ion: 41 Resp: 3354
 Ion Ratio Lower Upper
 41 100
 76 26.5 22.3 33.5
 39 102.6 69.2 103.8



#22
 trans-1,2-Dichloroethene
 Concen: 0.543 ppbv
 RT: 2.341 min Scan# 696
 Delta R.T. 0.003 min
 Lab File: VL041755.D
 Acq: 16 Dec 2024 15:05

Tgt Ion: 96 Resp: 2494
 Ion Ratio Lower Upper
 96 100
 61 156.8 146.3 219.5
 98 51.6 50.8 76.2

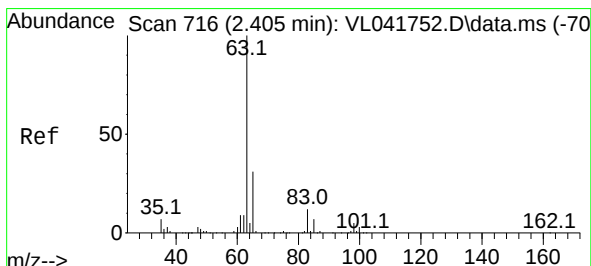
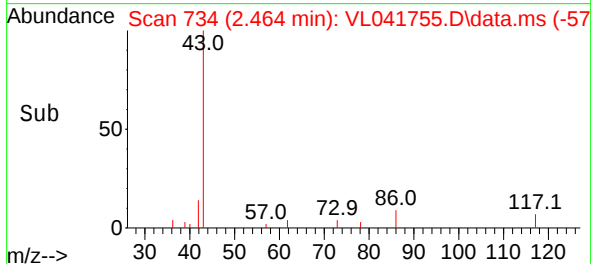
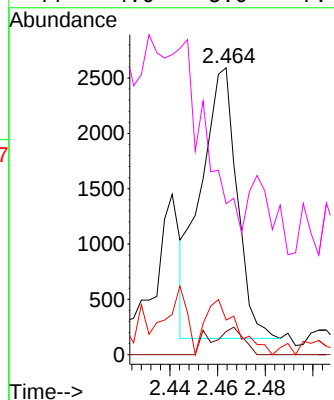
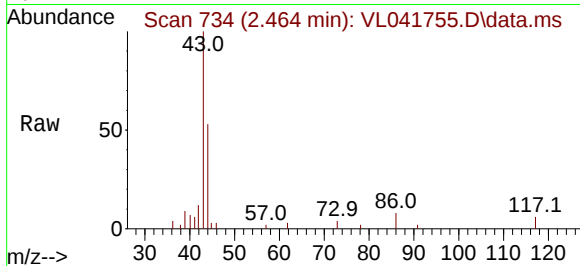




#23
 Vinyl Acetate
 Concen: 0.462 ppbv
 RT: 2.464 min Scan# 716
 Delta R.T. 0.006 min
 Lab File: VL041755.D
 Acq: 16 Dec 2024 15:05

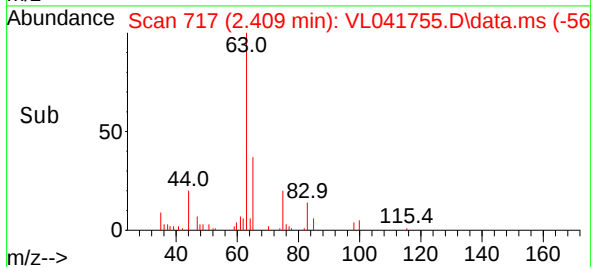
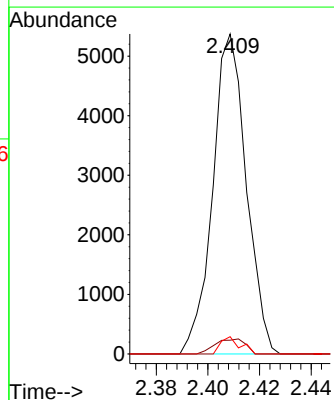
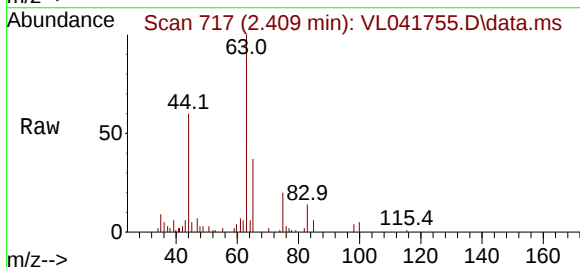
Instrument :
 MSVOA_1
 ClientSampleId :
 VSTDIC0.5

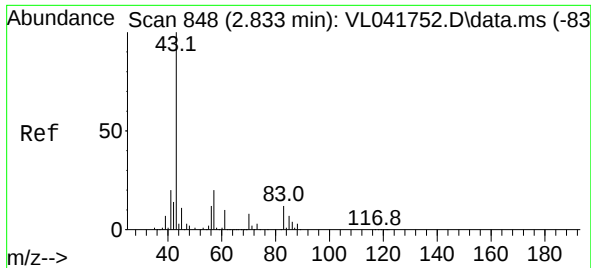
Tgt Ion:	43	Resp:	2599
Ion	Ratio	Lower	Upper
43	100		
86	8.6	6.6	10.0
42	10.2	8.2	12.2
44	4.0	5.0	7.4



#24
 1,1-Dichloroethane
 Concen: 0.522 ppbv
 RT: 2.409 min Scan# 717
 Delta R.T. 0.003 min
 Lab File: VL041755.D
 Acq: 16 Dec 2024 15:05

Tgt Ion:	63	Resp:	4854
Ion	Ratio	Lower	Upper
63	100		
98	4.3	2.3	6.8
100	5.4	1.4	4.2

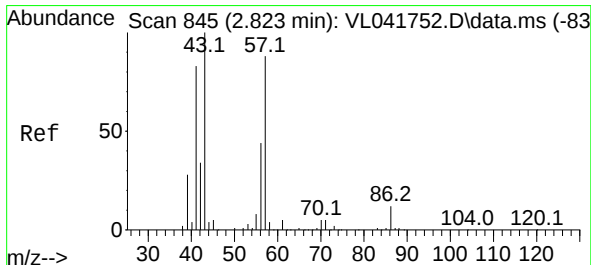
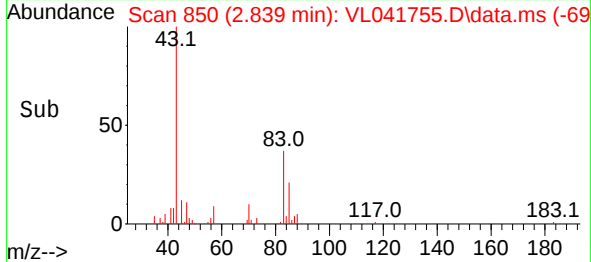
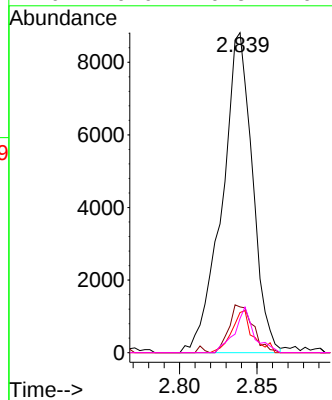
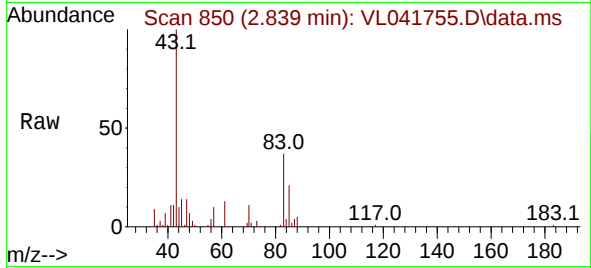




#25
Ethyl Acetate
Concen: 0.497 ppbv
RT: 2.839 min Scan# 848
Delta R.T. 0.006 min
Lab File: VL041755.D
Acq: 16 Dec 2024 15:05

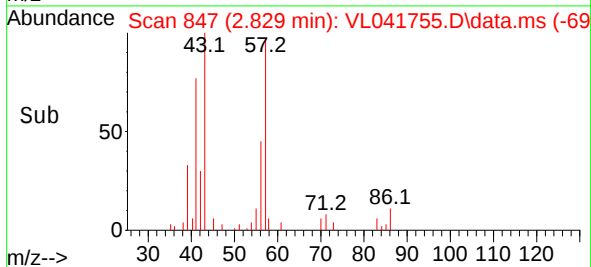
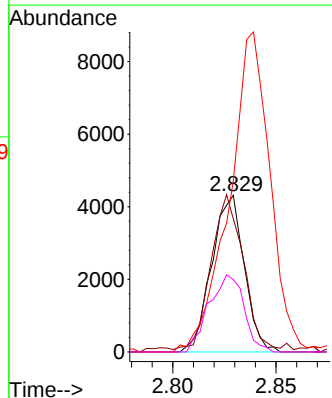
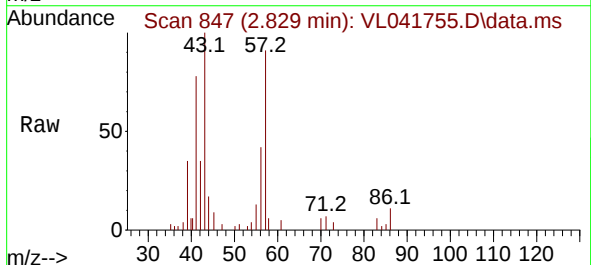
Instrument :
MSVOA_1
ClientSampleId :
VSTDICC0.5

Tgt Ion: 43	Resp: 12040
Ion Ratio	Lower Upper
43	100
45	12.2 8.1 12.1#
61	9.0 7.0 10.6
70	9.0 6.5 9.7



#26
Hexane
Concen: 0.518 ppbv
RT: 2.829 min Scan# 847
Delta R.T. 0.006 min
Lab File: VL041755.D
Acq: 16 Dec 2024 15:05

Tgt Ion: 57	Resp: 4735
Ion Ratio	Lower Upper
57	100
41	106.1 79.6 119.4
43	258.2 211.0 316.6
56	52.8 42.6 63.8





#27

Carbon Disulfide

Concen: 0.414 ppbv

RT: 2.153 min Scan# 61

Delta R.T. 0.003 min

Lab File: VL041755.D

Acq: 16 Dec 2024 15:05

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

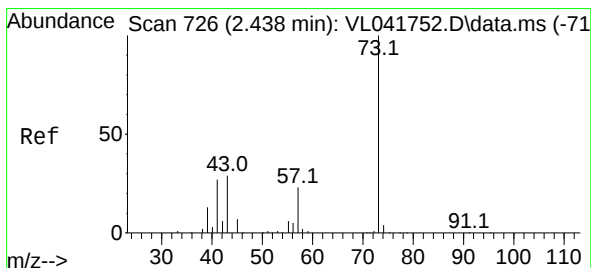
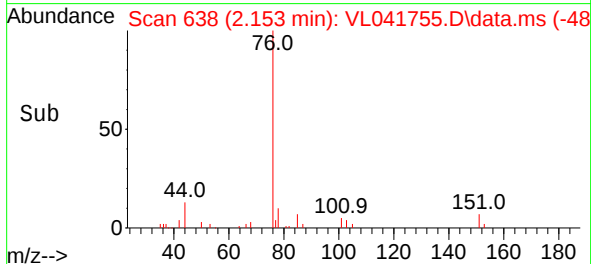
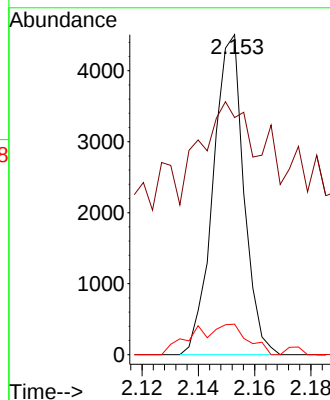
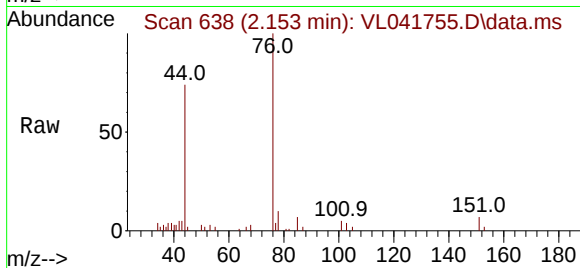
Tgt Ion: 76 Resp: 3409

Ion Ratio Lower Upper

76 100

44 65.5 17.6 26.4#

78 18.2 10.2 15.4#



#28

Methyl tert-Butyl Ether

Concen: 0.464 ppbv

RT: 2.441 min Scan# 727

Delta R.T. 0.003 min

Lab File: VL041755.D

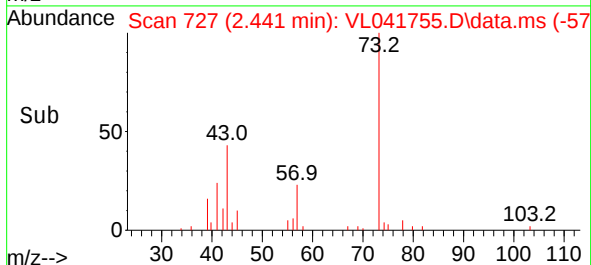
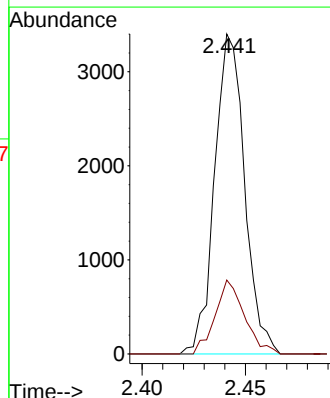
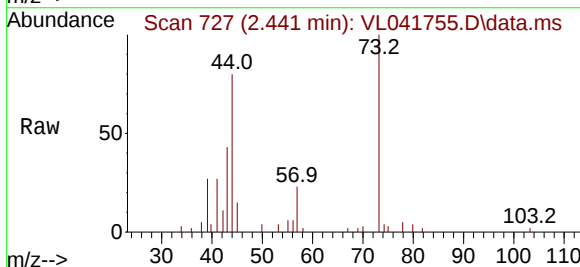
Acq: 16 Dec 2024 15:05

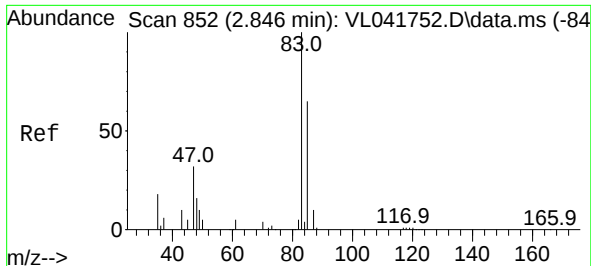
Tgt Ion: 73 Resp: 3438

Ion Ratio Lower Upper

73 100

57 22.6 17.6 26.4





#29

Chloroform

Concen: 0.515 ppbv

RT: 2.849 min Scan# 85

Delta R.T. 0.003 min

Lab File: VL041755.D

Acq: 16 Dec 2024 15:05

Instrument :

MSVOA_L

ClientSampleId :

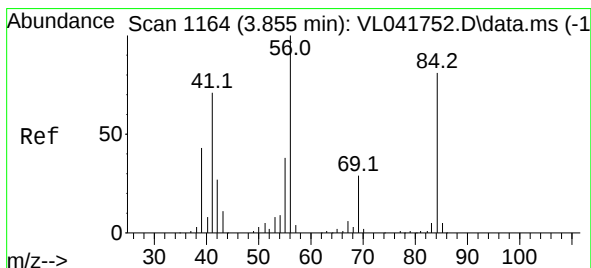
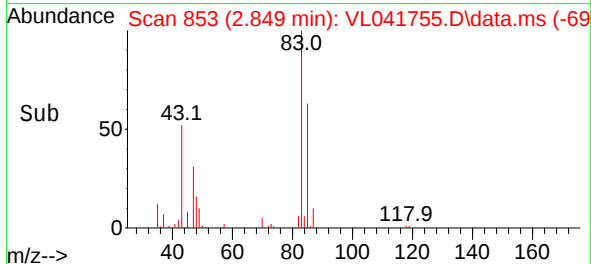
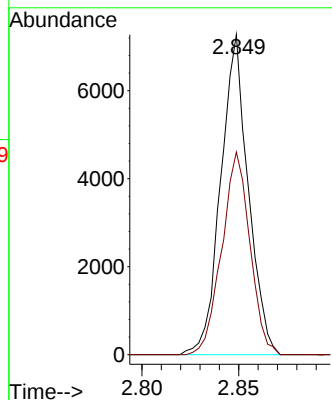
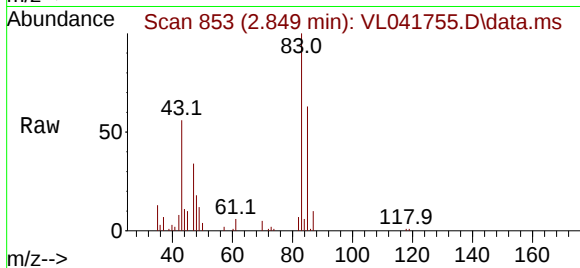
VSTDIC0.5

Tgt Ion: 83 Resp: 7172

Ion Ratio Lower Upper

83 100

85 63.3 51.8 77.6



#30

Cyclohexane

Concen: 0.521 ppbv

RT: 3.859 min Scan# 1165

Delta R.T. 0.003 min

Lab File: VL041755.D

Acq: 16 Dec 2024 15:05

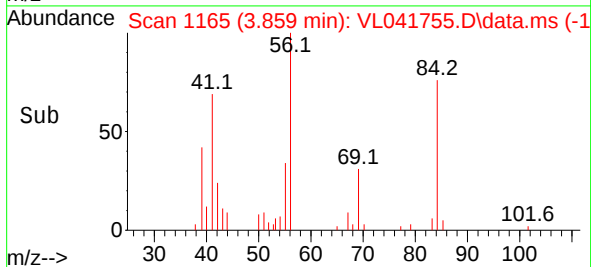
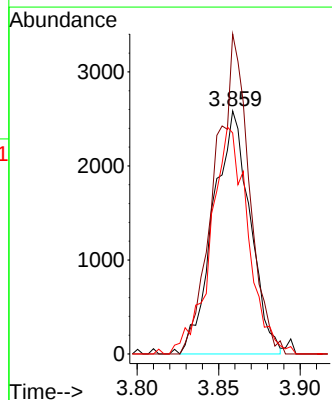
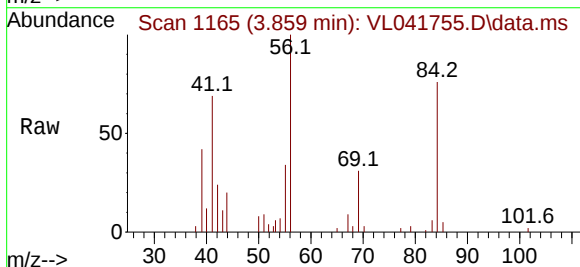
Tgt Ion: 84 Resp: 4051

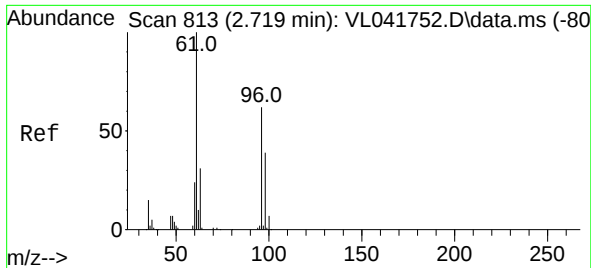
Ion Ratio Lower Upper

84 100

56 122.5 102.3 153.5

41 94.8 74.0 111.0





#31

cis-1,2-Dichloroethene

Concen: 0.504 ppbv

RT: 2.723 min Scan# 813

Delta R.T. 0.003 min

Lab File: VL041755.D

Acq: 16 Dec 2024 15:05

Instrument :

MSVOA_1

ClientSampleId :

VSTDIC0.5

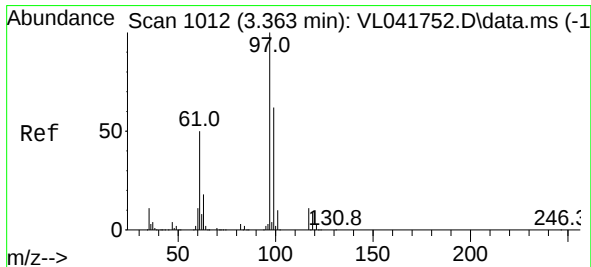
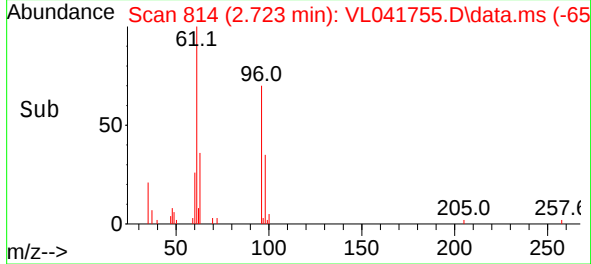
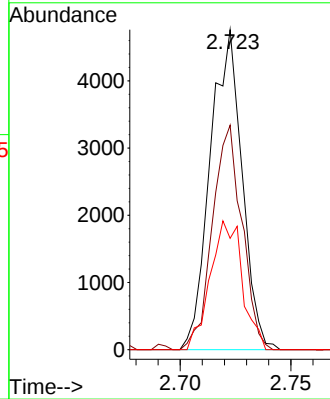
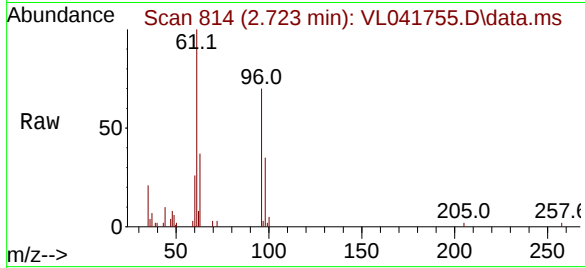
Tgt Ion: 61 Resp: 4758

Ion Ratio Lower Upper

61 100

96 70.2 49.7 74.5

98 34.8 30.8 46.2



#32

1,1,1-Trichloroethane

Concen: 0.518 ppbv

RT: 3.367 min Scan# 1013

Delta R.T. 0.003 min

Lab File: VL041755.D

Acq: 16 Dec 2024 15:05

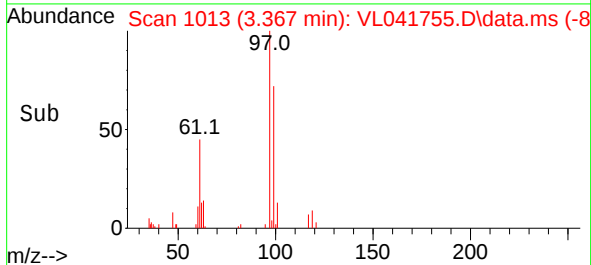
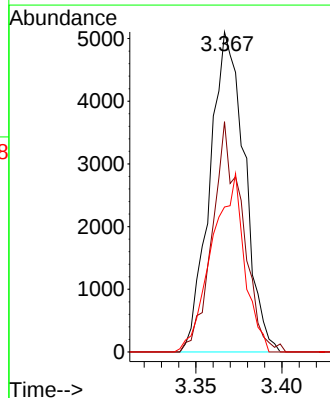
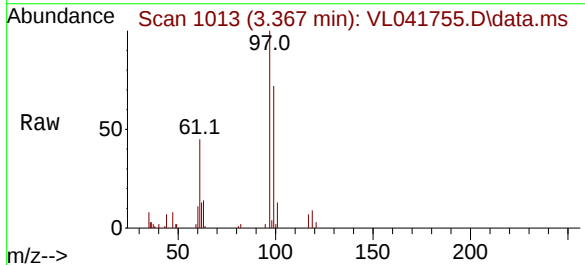
Tgt Ion: 97 Resp: 7182

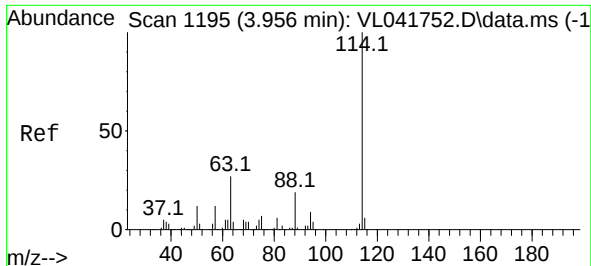
Ion Ratio Lower Upper

97 100

99 62.2 51.0 76.4

61 52.1 42.2 63.2





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.959 min Scan# 1196

Delta R.T. 0.003 min

Lab File: VL041755.D

Acq: 16 Dec 2024 15:05

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC0.5

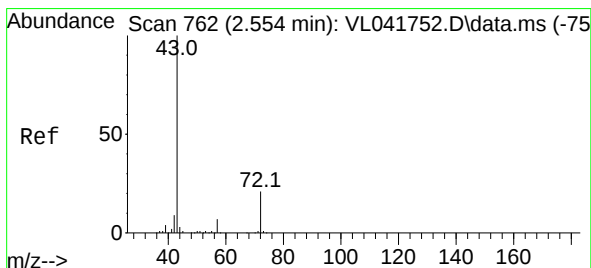
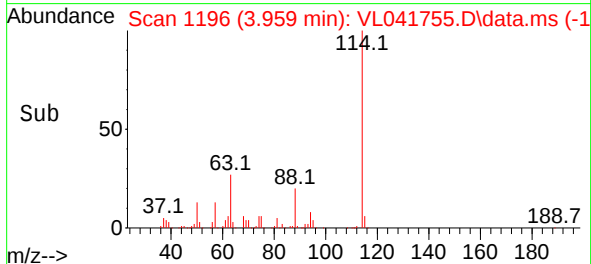
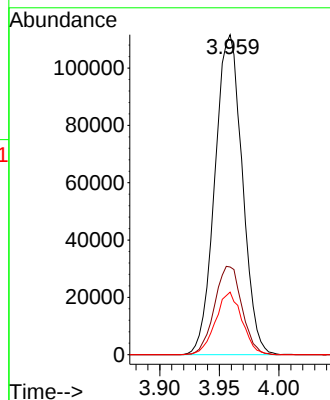
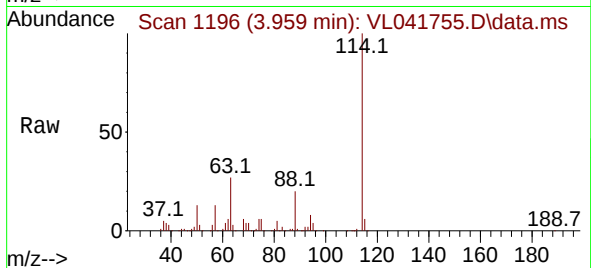
Tgt Ion:114 Resp: 178453

Ion Ratio Lower Upper

114 100

63 27.6 21.8 32.8

88 18.9 14.8 22.2



#34

2-Butanone

Concen: 0.540 ppbv

RT: 2.557 min Scan# 763

Delta R.T. 0.003 min

Lab File: VL041755.D

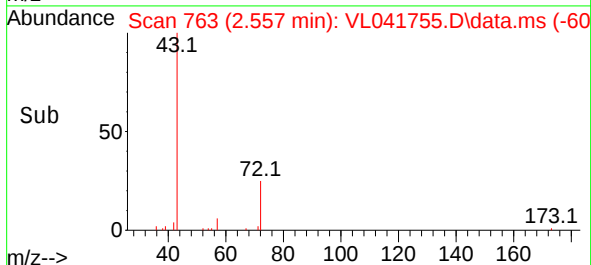
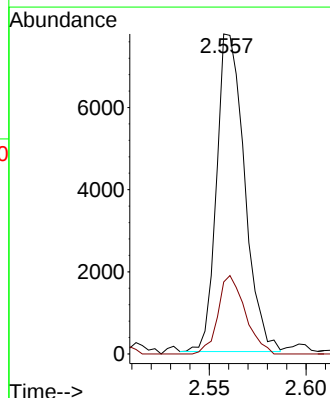
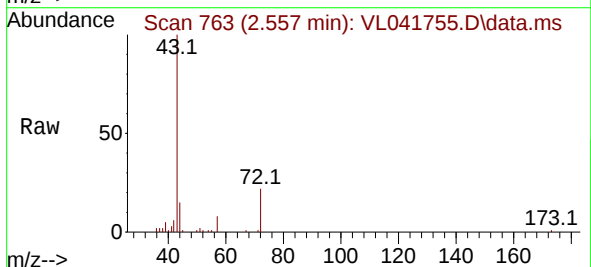
Acq: 16 Dec 2024 15:05

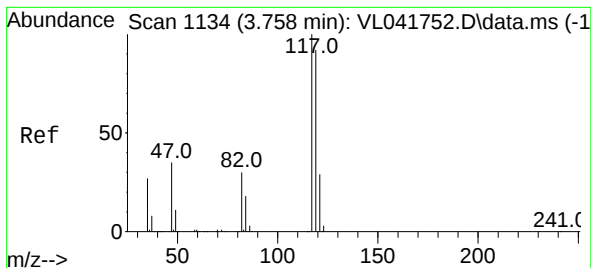
Tgt Ion: 43 Resp: 7756

Ion Ratio Lower Upper

43 100

72 24.0 16.8 25.2





#35

Carbon Tetrachloride

Concen: 0.446 ppbv

RT: 3.765 min Scan# 1136

Delta R.T. 0.006 min

Lab File: VL041755.D

Acq: 16 Dec 2024 15:05

Instrument :

MSVOA_1

ClientSampleId :

VSTDIC0.5

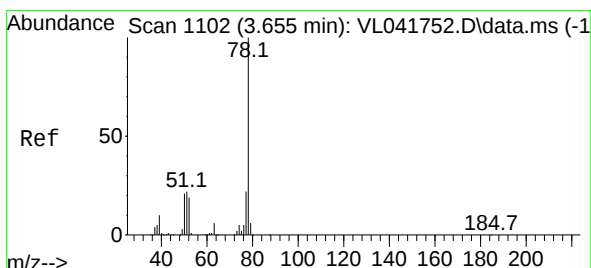
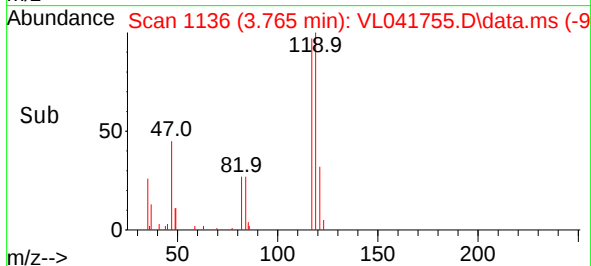
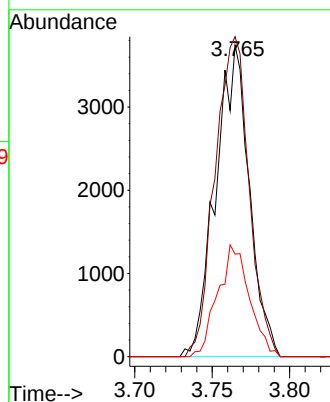
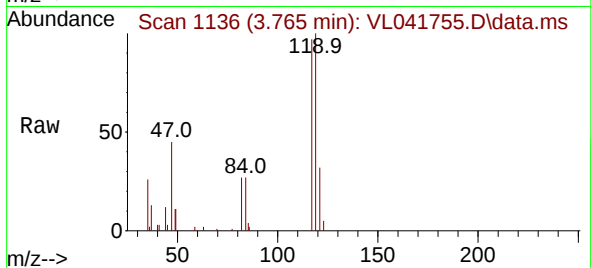
Tgt Ion:117 Resp: 5655

Ion Ratio Lower Upper

117 100

119 102.7 73.7 110.5

121 32.9 23.0 34.4



#36

Benzene

Concen: 0.522 ppbv

RT: 3.658 min Scan# 1103

Delta R.T. 0.003 min

Lab File: VL041755.D

Acq: 16 Dec 2024 15:05

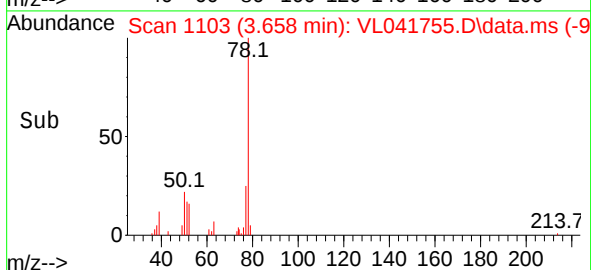
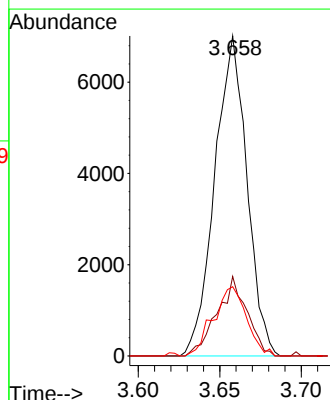
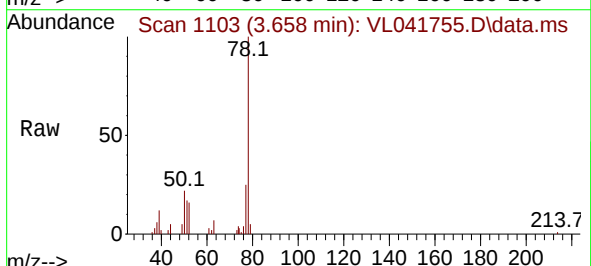
Tgt Ion: 78 Resp: 9629

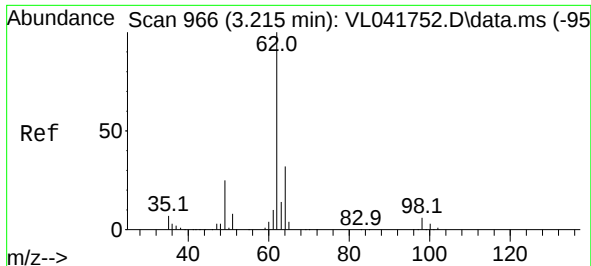
Ion Ratio Lower Upper

78 100

77 24.8 17.8 26.6

50 21.7 17.2 25.8





#37

1,2-Dichloroethane

Concen: 0.536 ppbv

RT: 3.218 min Scan# 9

Delta R.T. 0.003 min

Lab File: VL041755.D

Acq: 16 Dec 2024 15:05

Instrument :

MSVOA_1

ClientSampleId :

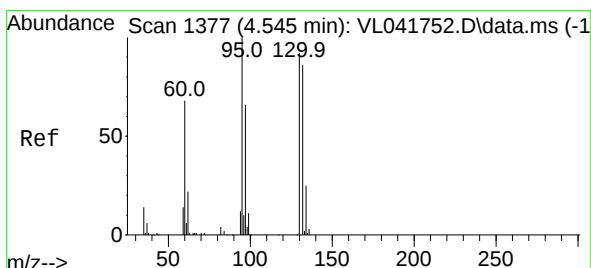
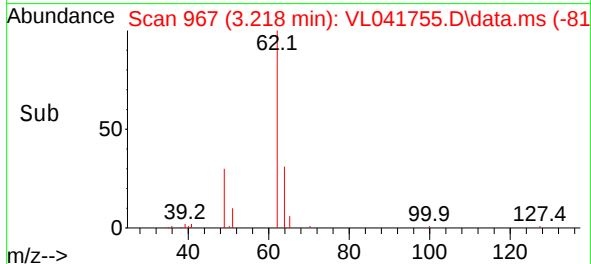
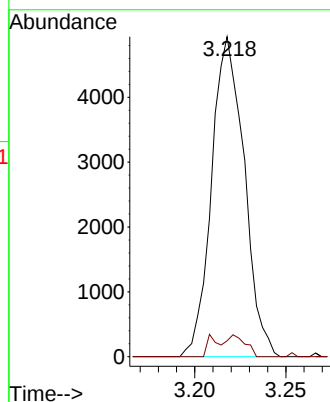
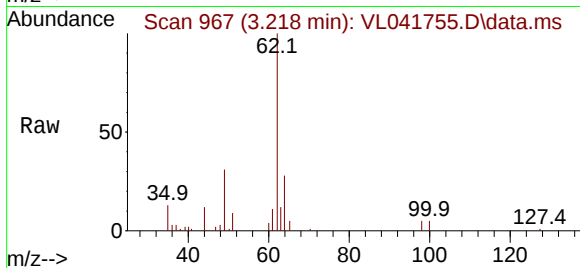
VSTDIC0.5

Tgt Ion: 62 Resp: 6154

Ion Ratio Lower Upper

62 100

98 6.3 4.7 7.1



#38

Trichloroethene

Concen: 0.336 ppbv

RT: 4.551 min Scan# 1379

Delta R.T. 0.006 min

Lab File: VL041755.D

Acq: 16 Dec 2024 15:05

Tgt Ion:130 Resp: 2613

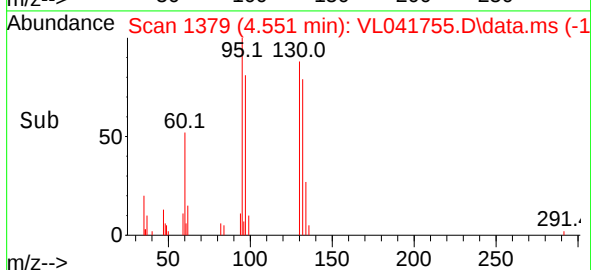
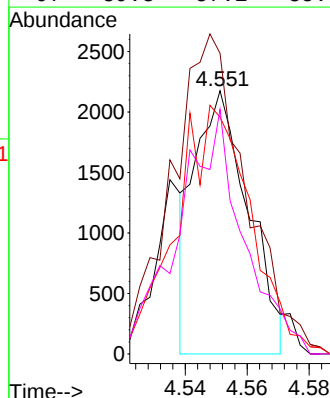
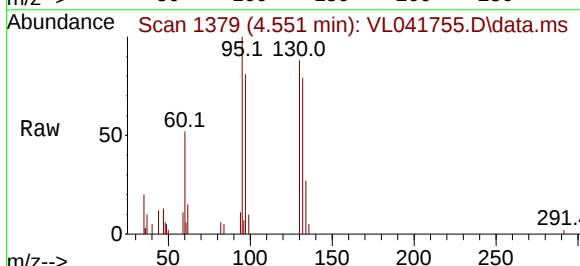
Ion Ratio Lower Upper

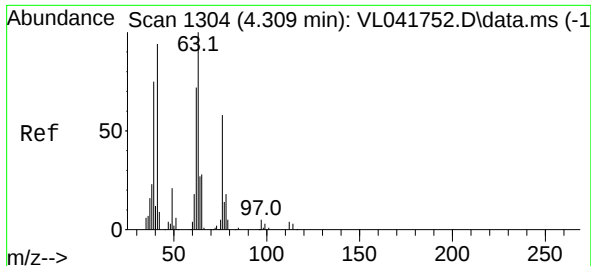
130 100

95 116.2 87.0 130.6

132 82.8 75.0 112.6

97 89.3 57.2 85.8#





#39

1,2-Dichloropropane

Concen: 0.333 ppbv

RT: 4.318 min Scan# 1307

Delta R.T. 0.010 min

Lab File: VL041755.D

Acq: 16 Dec 2024 15:05

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

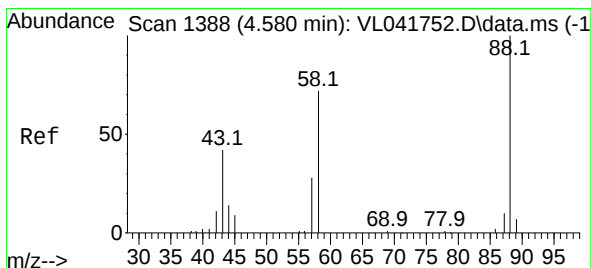
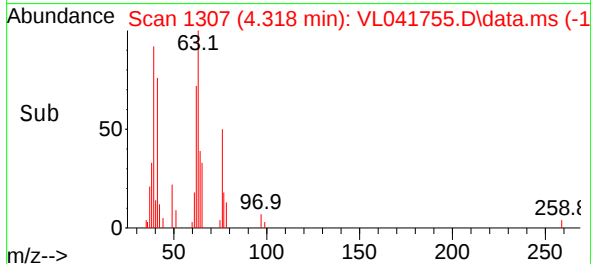
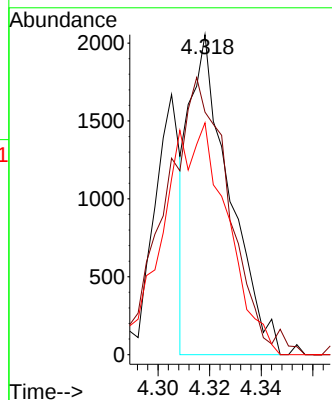
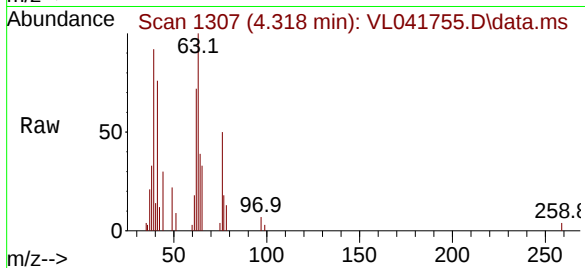
Tgt Ion: 63 Resp: 2224

Ion Ratio Lower Upper

63 100

41 67.9 75.3 112.9#

62 72.4 57.3 85.9



#40

1,4-Dioxane

Concen: 0.070 ppbv

RT: 4.597 min Scan# 1393

Delta R.T. 0.016 min

Lab File: VL041755.D

Acq: 16 Dec 2024 15:05

Tgt Ion: 88 Resp: 229

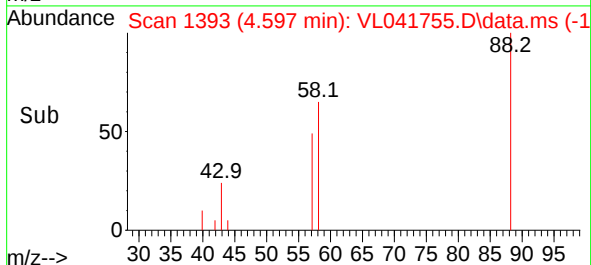
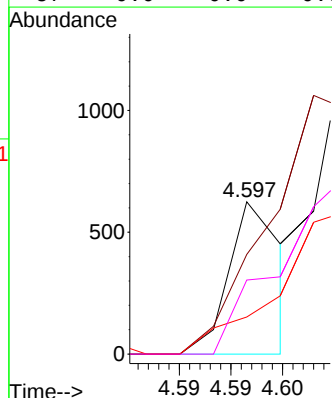
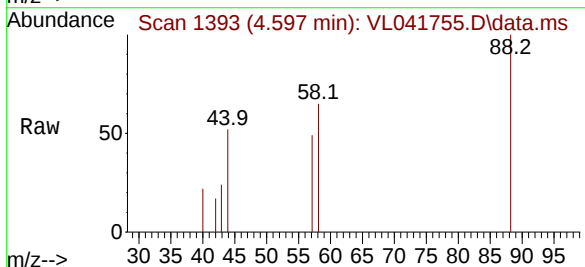
Ion Ratio Lower Upper

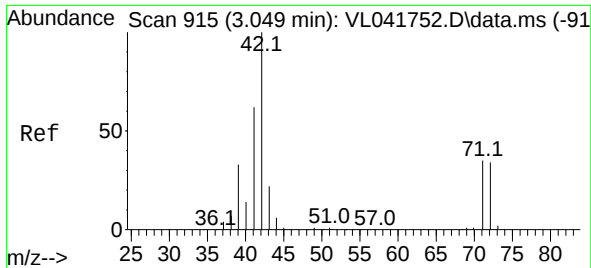
88 100

58 0.0 61.0 91.6#

43 0.0 29.4 44.0#

57 0.0 0.0 0.0





#41

Tetrahydrofuran

Concen: 0.505 ppbv

RT: 3.066 min Scan# 91

Delta R.T. 0.016 min

Lab File: VL041755.D

Acq: 16 Dec 2024 15:05

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

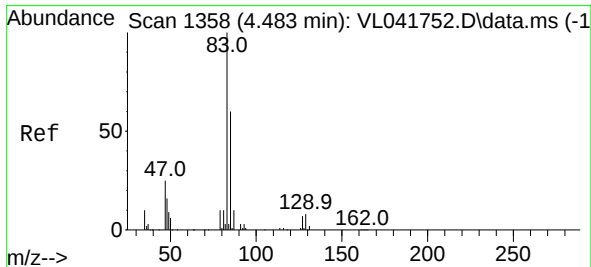
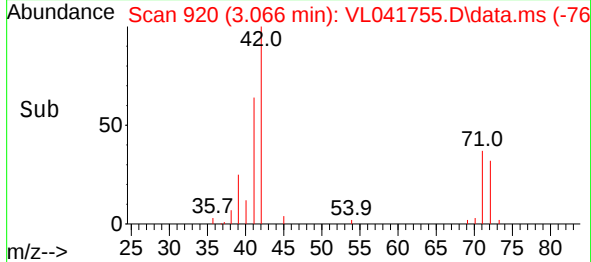
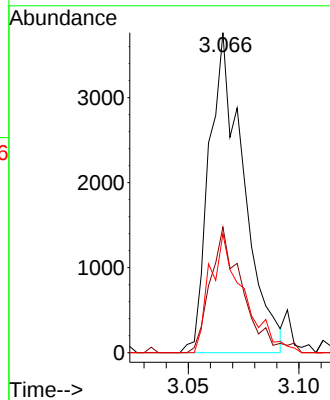
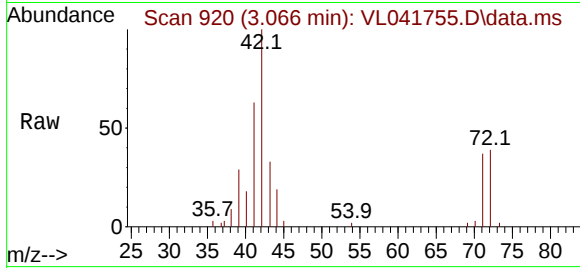
Tgt Ion: 42 Resp: 4061

Ion Ratio Lower Upper

42 100

72 37.0 29.1 43.7

71 36.5 28.4 42.6



#42

Bromodichloromethane

Concen: 0.251 ppbv

RT: 4.490 min Scan# 1360

Delta R.T. 0.006 min

Lab File: VL041755.D

Acq: 16 Dec 2024 15:05

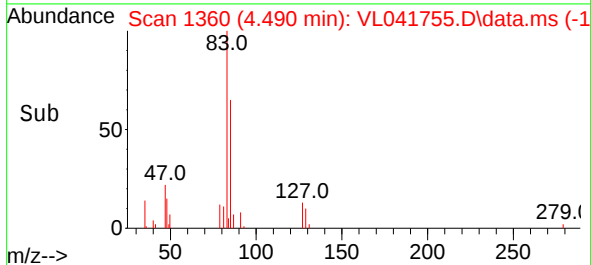
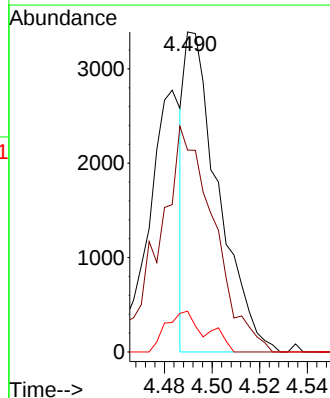
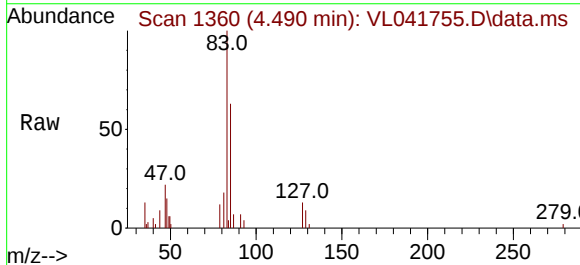
Tgt Ion: 83 Resp: 3315

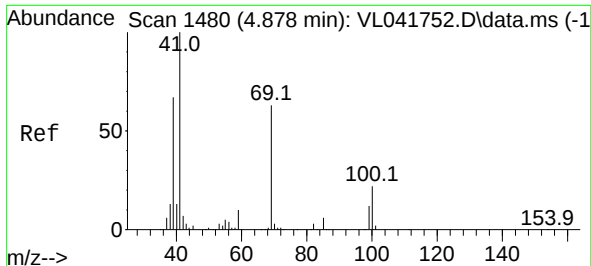
Ion Ratio Lower Upper

83 100

85 63.1 48.0 72.0

127 12.7 5.8 8.8#





#43

Methyl Methacrylate

Concen: 0.472 ppbv

RT: 4.881 min Scan# 1481

Delta R.T. 0.003 min

Lab File: VL041755.D

Acq: 16 Dec 2024 15:05

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC0.5

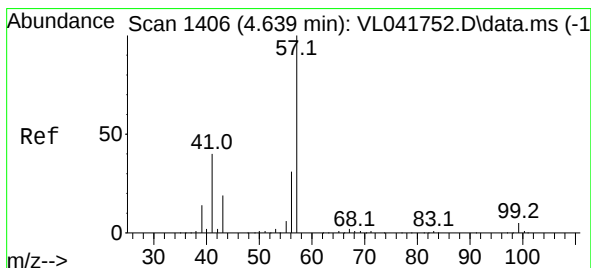
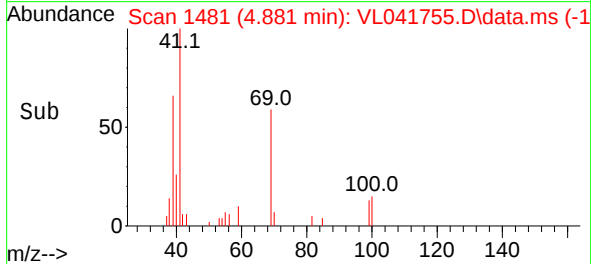
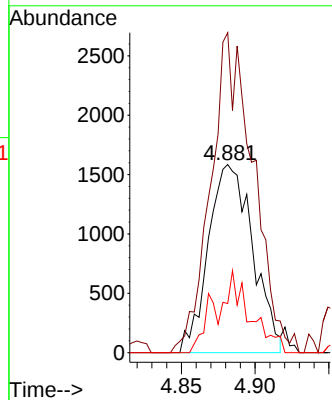
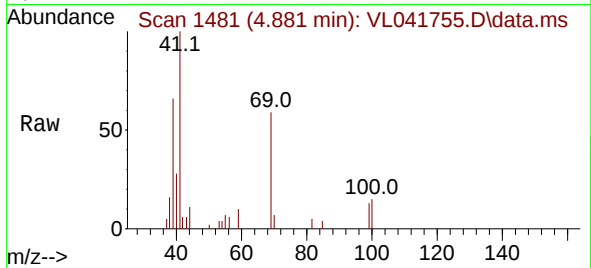
Tgt Ion: 69 Resp: 3322

Ion Ratio Lower Upper

69 100

41 163.7 130.3 195.5

100 33.2 28.3 42.5



#44

2,2,4-Trimethylpentane

Concen: 0.309 ppbv

RT: 4.645 min Scan# 1408

Delta R.T. 0.006 min

Lab File: VL041755.D

Acq: 16 Dec 2024 15:05

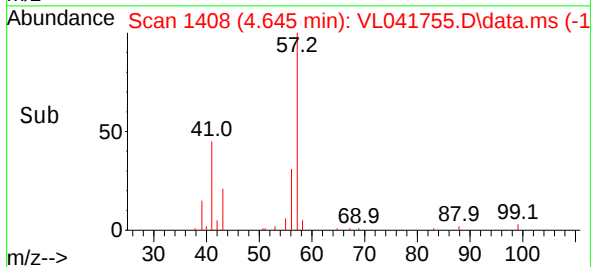
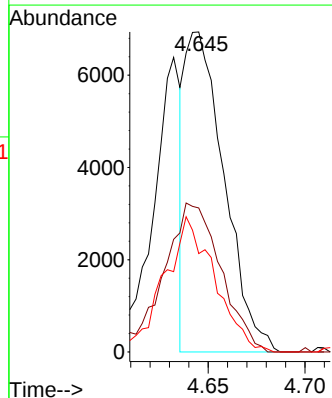
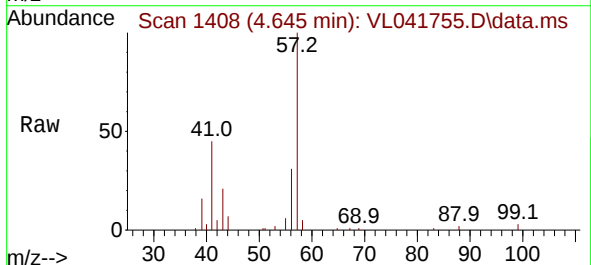
Tgt Ion: 57 Resp: 9729

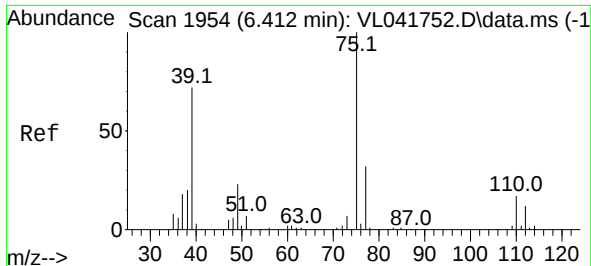
Ion Ratio Lower Upper

57 100

41 0.0 30.7 46.1#

56 0.0 25.4 38.0#





#45

t-1,3-Dichloropropene

Concen: 0.038 ppbv

RT: 6.438 min Scan# 1954

Delta R.T. 0.026 min

Lab File: VL041755.D

Acq: 16 Dec 2024 15:05

Instrument :

MSVOA_1

ClientSampleId :

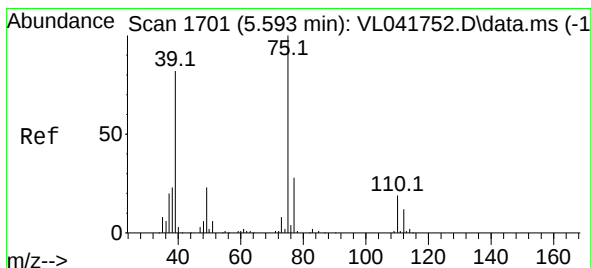
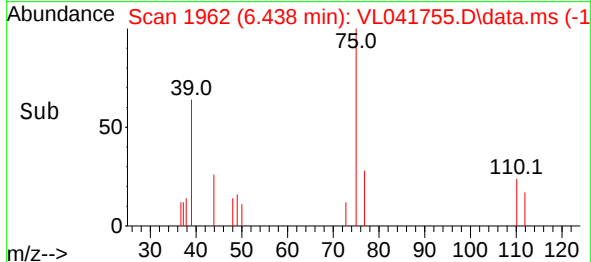
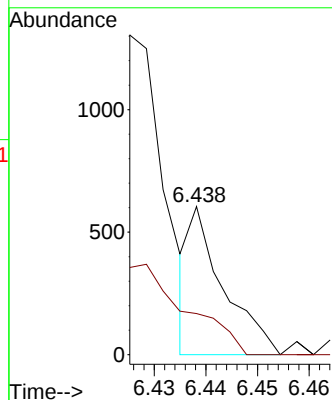
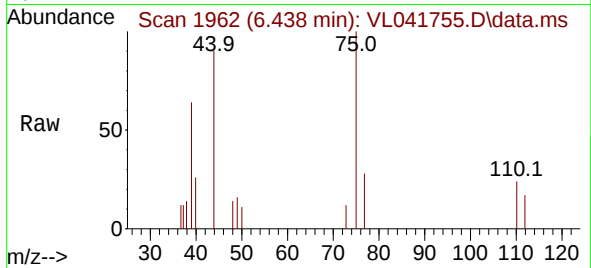
VSTDIC0.5

Tgt Ion: 75 Resp: 279

Ion Ratio Lower Upper

75 100

77 27.8 25.9 38.9



#46

cis-1,3-Dichloropropene

Concen: 0.179 ppbv

RT: 5.597 min Scan# 1702

Delta R.T. 0.003 min

Lab File: VL041755.D

Acq: 16 Dec 2024 15:05

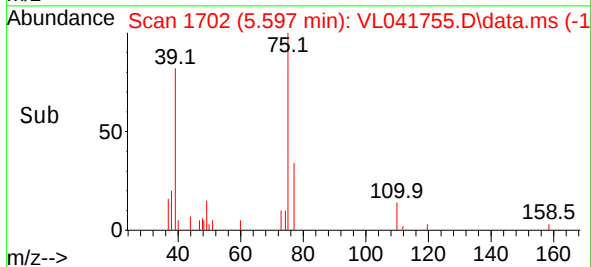
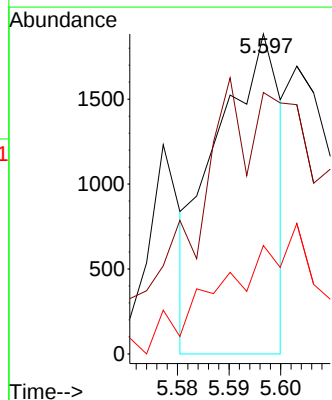
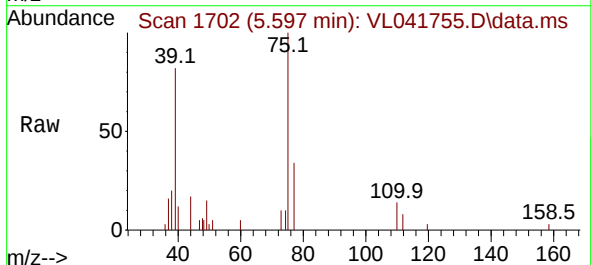
Tgt Ion: 75 Resp: 1656

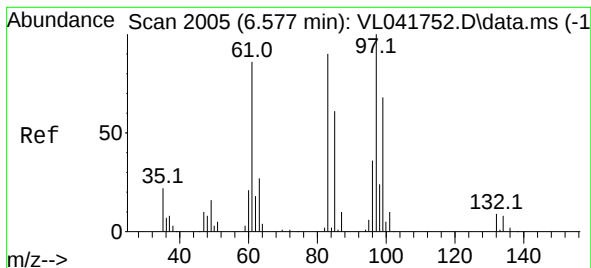
Ion Ratio Lower Upper

75 100

39 72.0 65.2 97.8

77 51.2 22.0 33.0#





#47

1,1,2-Trichloroethane

Concen: 0.342 ppbv

RT: 6.587 min Scan# 2005

Delta R.T. 0.010 min

Lab File: VL041755.D

Acq: 16 Dec 2024 15:05

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tgt Ion: 97 Resp: 2388

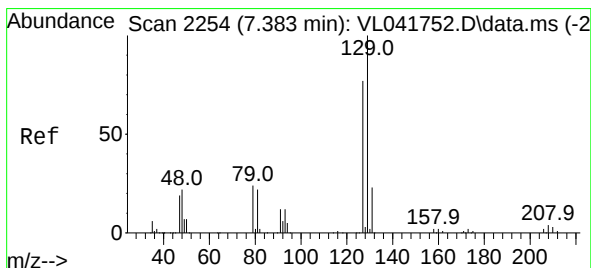
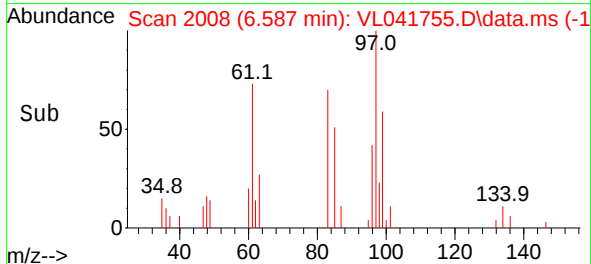
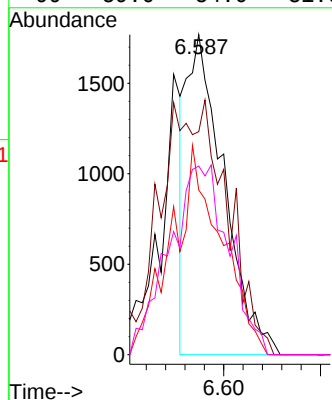
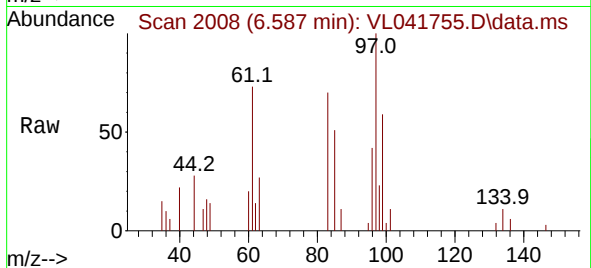
Ion Ratio Lower Upper

97 100

83 69.7 72.3 108.5#

85 51.4 48.5 72.7

99 59.0 54.0 81.0



#48

Dibromochloromethane

Concen: 0.406 ppbv

RT: 7.387 min Scan# 2255

Delta R.T. 0.003 min

Lab File: VL041755.D

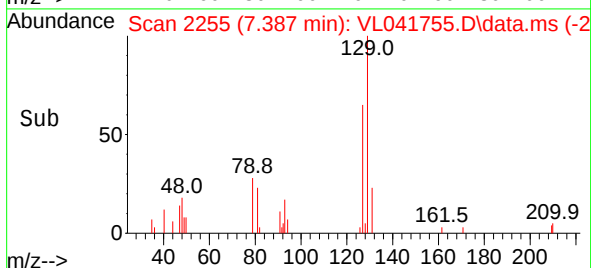
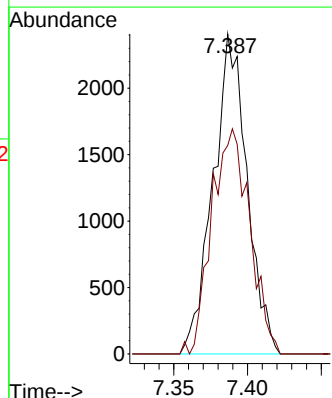
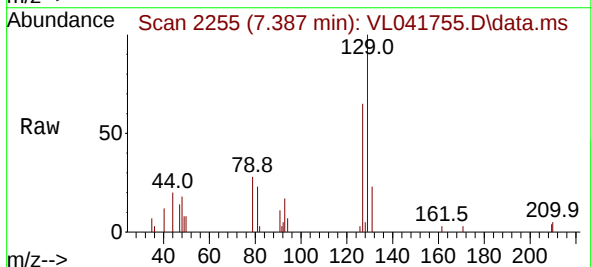
Acq: 16 Dec 2024 15:05

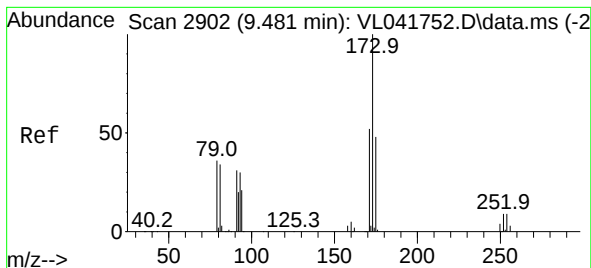
Tgt Ion: 129 Resp: 3865

Ion Ratio Lower Upper

129 100

127 78.8 38.8 116.3





#49

Bromoform

Concen: 0.368 ppbv

RT: 9.484 min Scan# 2902

Delta R.T. 0.003 min

Lab File: VL041755.D

Acq: 16 Dec 2024 15:05

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC0.5

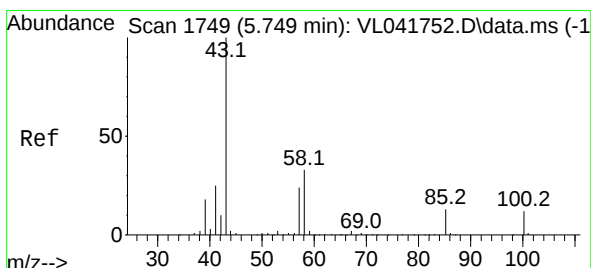
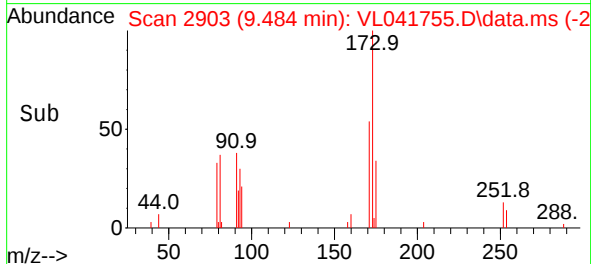
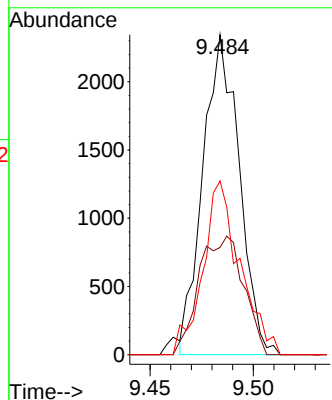
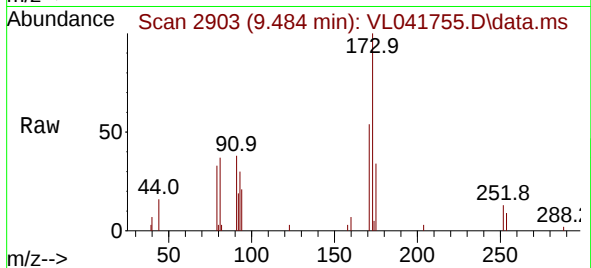
Tgt Ion:173 Resp: 2869

Ion Ratio Lower Upper

173 100

175 45.6 38.2 57.2

171 55.2 41.1 61.7



#50

4-Methyl-2-Pentanone

Concen: 0.244 ppbv

RT: 5.765 min Scan# 1754

Delta R.T. 0.016 min

Lab File: VL041755.D

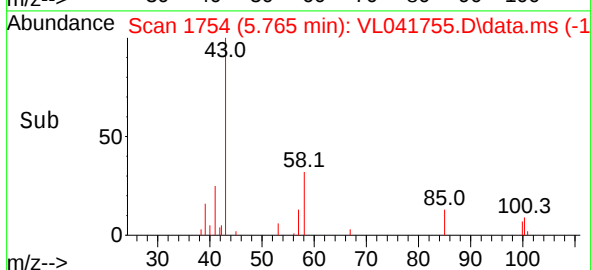
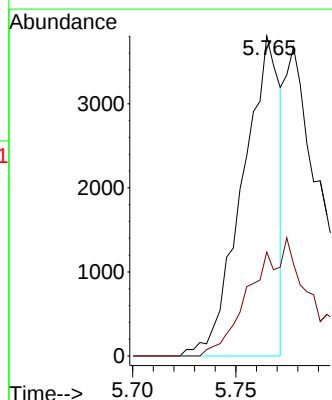
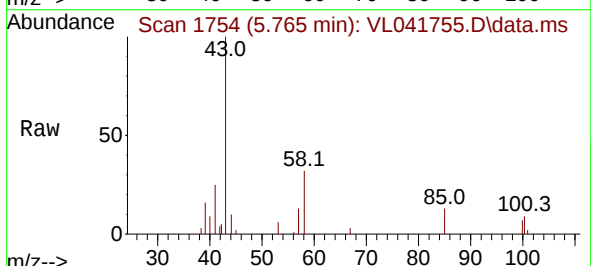
Acq: 16 Dec 2024 15:05

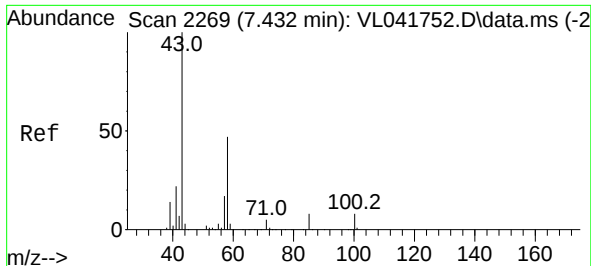
Tgt Ion: 43 Resp: 4771

Ion Ratio Lower Upper

43 100

58 0.0 26.8 40.2#

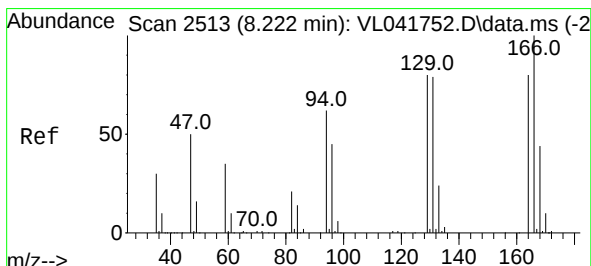
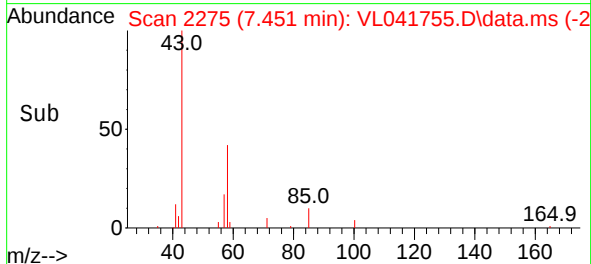
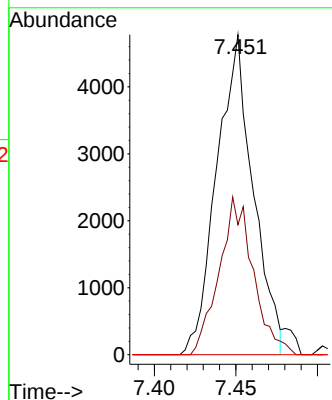
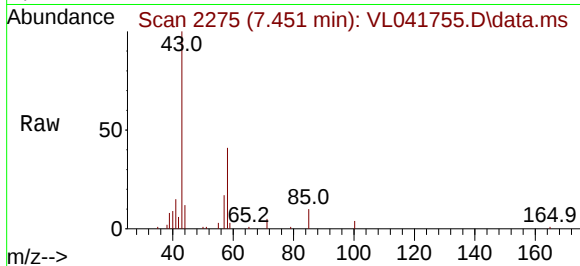




#51
2-Hexanone
Concen: 0.468 ppbv
RT: 7.451 min Scan# 21
Delta R.T. 0.019 min
Lab File: VL041755.D
Acq: 16 Dec 2024 15:05

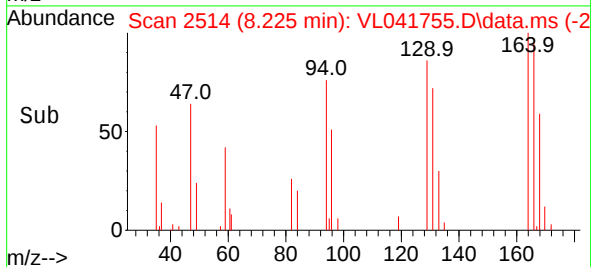
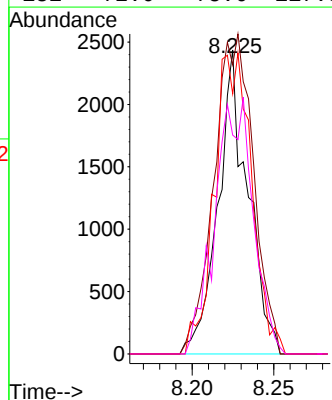
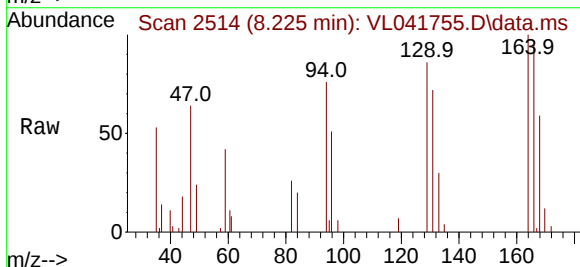
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

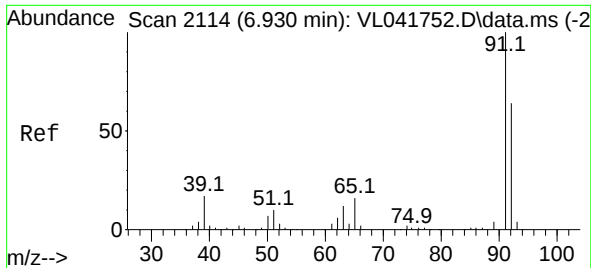
Tgt Ion: 43 Resp: 7412
Ion Ratio Lower Upper
43 100
58 46.2 36.6 55.0
98 0.0 0.1 0.1#



#52
Tetrachloroethene
Concen: 0.450 ppbv
RT: 8.225 min Scan# 2514
Delta R.T. 0.003 min
Lab File: VL041755.D
Acq: 16 Dec 2024 15:05

Tgt Ion: 164 Resp: 3091
Ion Ratio Lower Upper
164 100
166 95.1 99.8 149.6#
129 85.6 79.6 119.4
131 72.0 78.6 117.8#





#53

Toluene

Concen: 0.504 ppbv

RT: 6.933 min Scan# 2114

Delta R.T. 0.003 min

Lab File: VL041755.D

Acq: 16 Dec 2024 15:05

Instrument :

MSVOA_L

ClientSampleId :

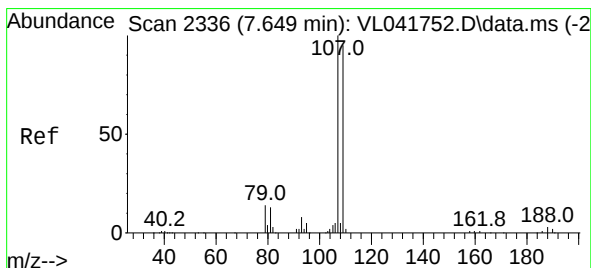
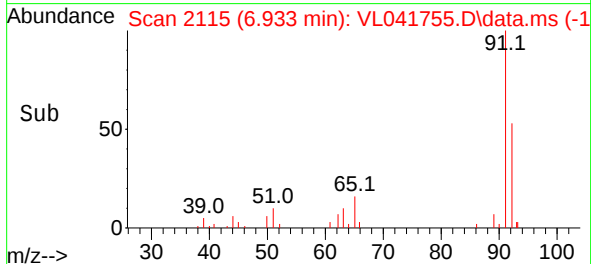
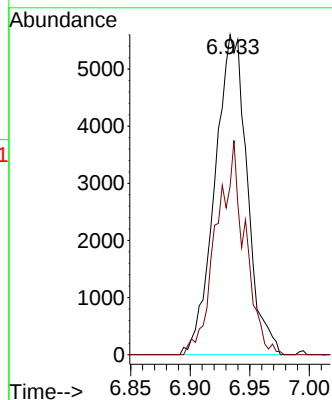
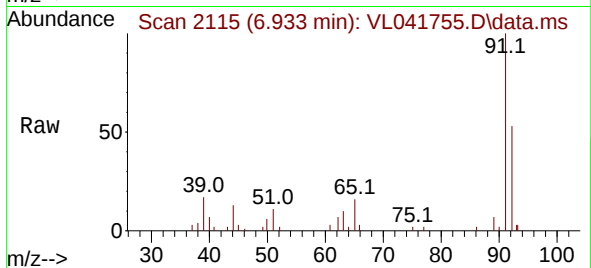
VSTDICC0.5

Tgt Ion: 91 Resp: 10554

Ion Ratio Lower Upper

91 100

92 59.2 47.9 71.9



#54

1,2-Dibromoethane

Concen: 0.287 ppbv

RT: 7.652 min Scan# 2337

Delta R.T. 0.003 min

Lab File: VL041755.D

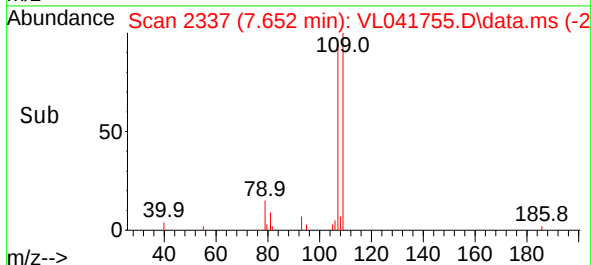
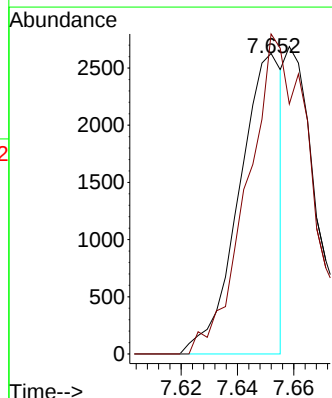
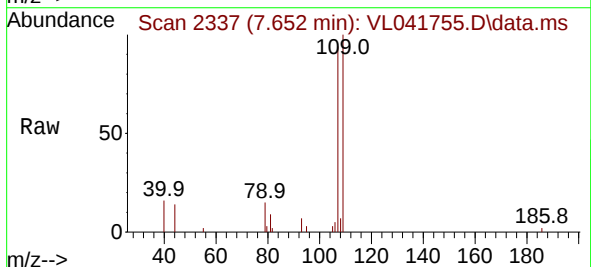
Acq: 16 Dec 2024 15:05

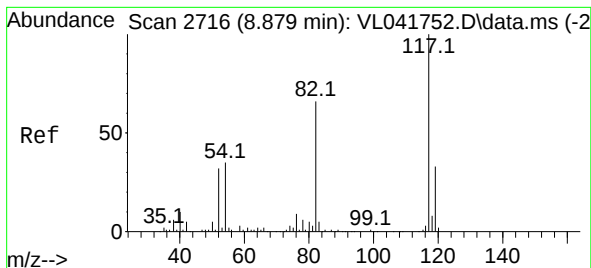
Tgt Ion: 107 Resp: 2762

Ion Ratio Lower Upper

107 100

109 106.5 75.9 113.9





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 8.882 min Scan# 2717

Delta R.T. 0.003 min

Lab File: VL041755.D

Acq: 16 Dec 2024 15:05

Instrument :

MSVOA_1

ClientSampleId :

VSTDIC0.5

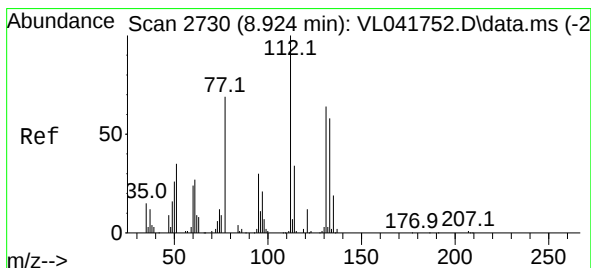
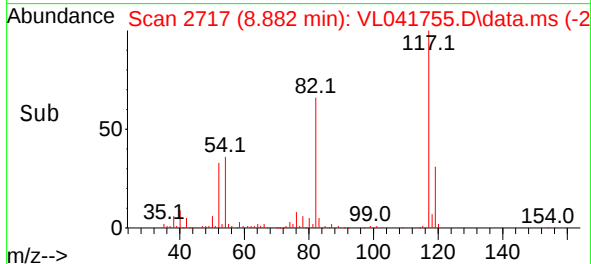
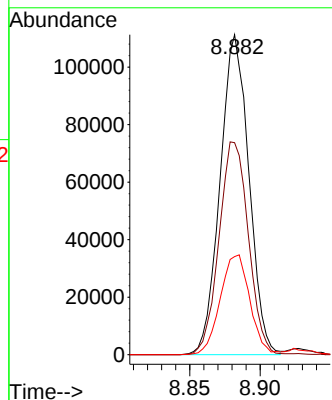
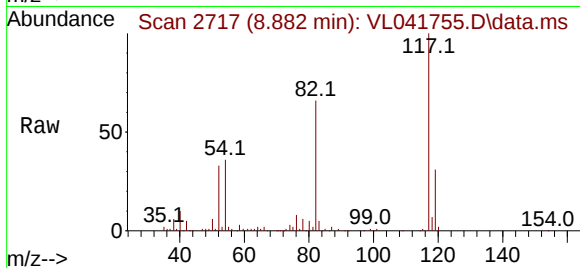
Tgt Ion:117 Resp: 158571

Ion Ratio Lower Upper

117 100

82 68.1 53.8 80.8

119 33.6 26.7 40.1



#56

1,1,1,2-Tetrachloroethane

Concen: 0.212 ppbv

RT: 8.930 min Scan# 2732

Delta R.T. 0.006 min

Lab File: VL041755.D

Acq: 16 Dec 2024 15:05

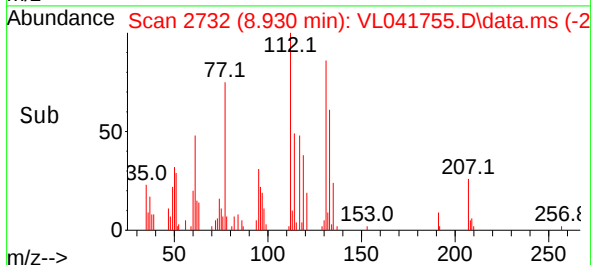
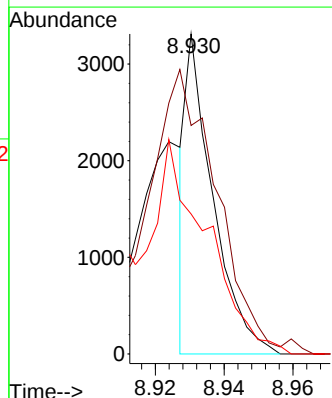
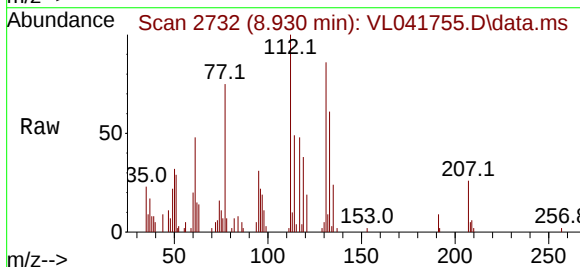
Tgt Ion:131 Resp: 1785

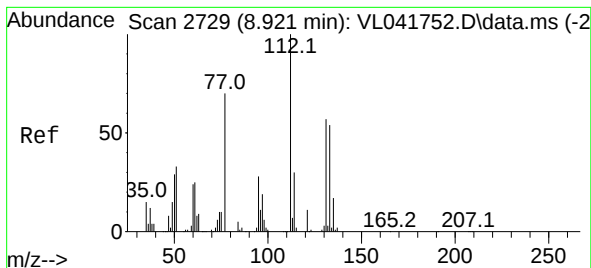
Ion Ratio Lower Upper

131 100

133 238.0 76.8 115.2#

119 0.0 49.0 73.6#





#57

Chlorobenzene

Concen: 0.263 ppbv

RT: 8.927 min Scan# 21

Delta R.T. 0.006 min

Lab File: VL041755.D

Acq: 16 Dec 2024 15:05

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

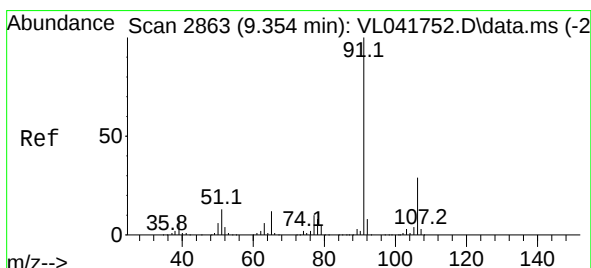
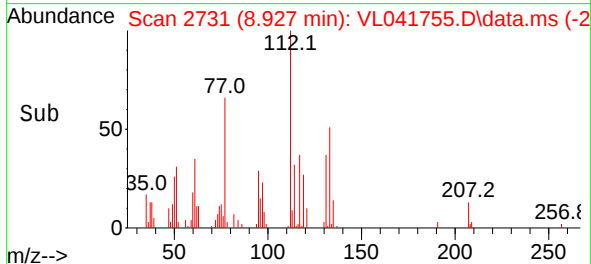
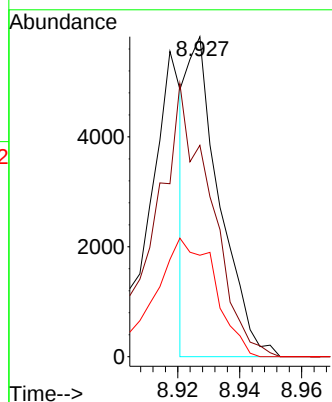
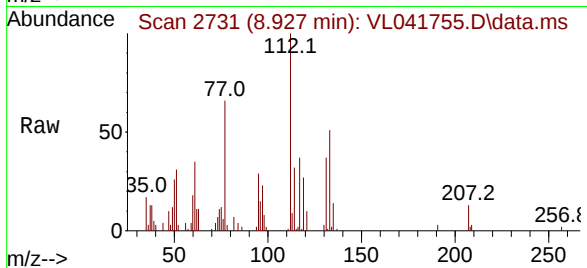
Tgt Ion:112 Resp: 4266

Ion Ratio Lower Upper

112 100

77 66.1 57.4 86.0

114 31.7 27.4 33.4



#58

Ethyl Benzene

Concen: 0.470 ppbv

RT: 9.358 min Scan# 2864

Delta R.T. 0.003 min

Lab File: VL041755.D

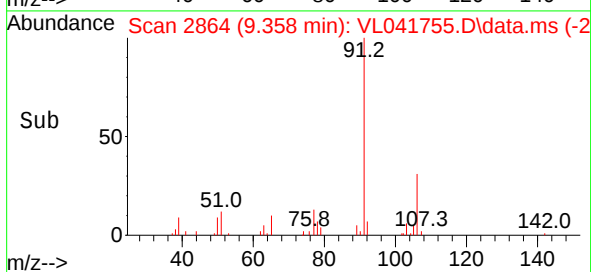
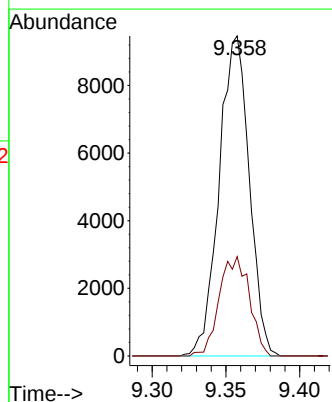
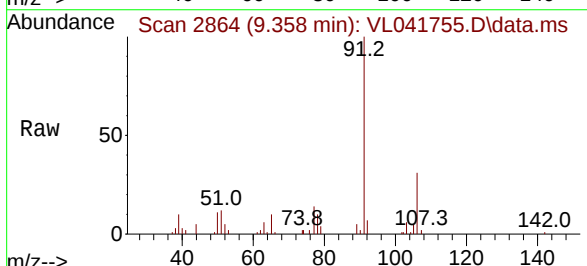
Acq: 16 Dec 2024 15:05

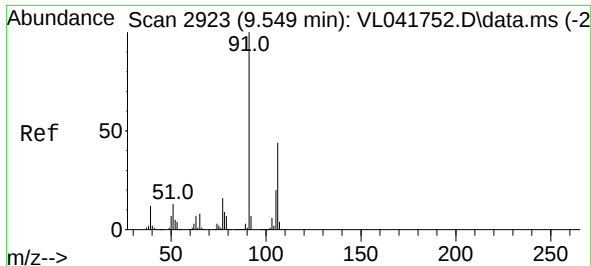
Tgt Ion: 91 Resp: 13428

Ion Ratio Lower Upper

91 100

106 31.0 23.5 35.3





#59

m/p-Xylene

Concen: 0.461 ppbv

RT: 9.552 min Scan# 2923

Delta R.T. 0.003 min

Lab File: VL041755.D

Acq: 16 Dec 2024 15:05

Instrument :

MSVOA_L

ClientSampleId :

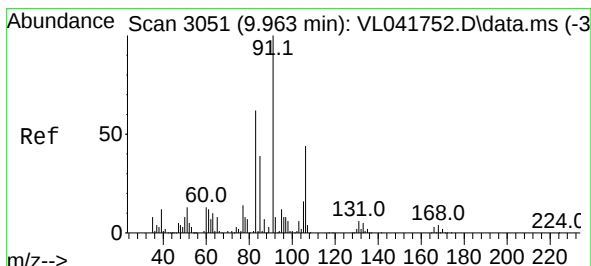
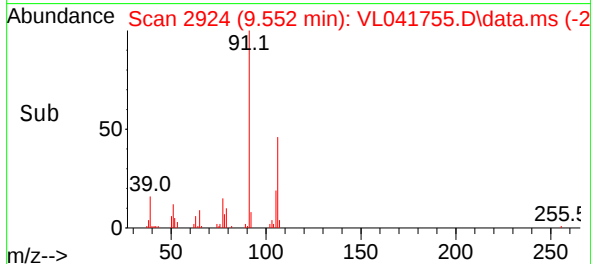
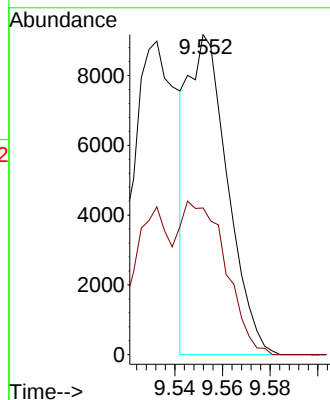
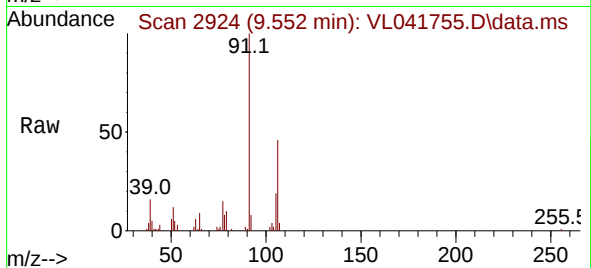
VSTDIC0.5

Tgt Ion: 91 Resp: 10592

Ion Ratio Lower Upper

91 100

106 100.0 0.0 0.0#



#60

o-Xylene

Concen: 0.476 ppbv

RT: 9.963 min Scan# 3051

Delta R.T. -0.000 min

Lab File: VL041755.D

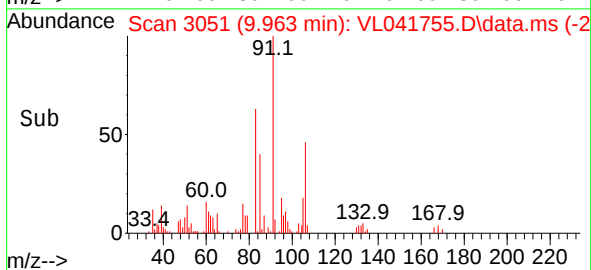
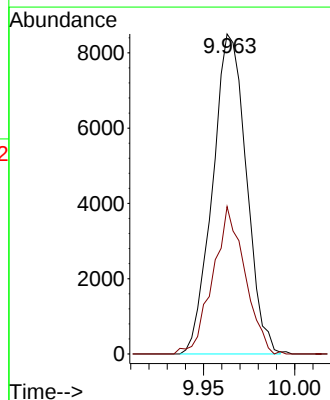
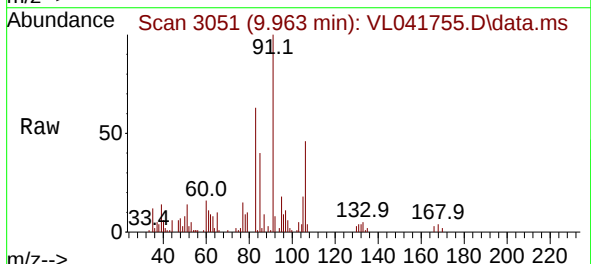
Acq: 16 Dec 2024 15:05

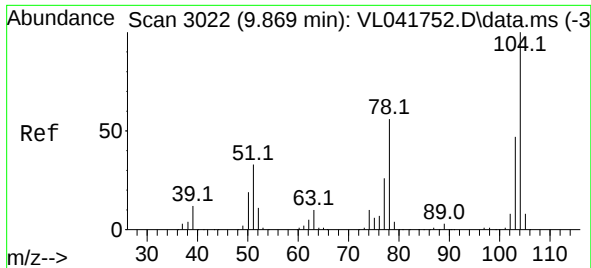
Tgt Ion: 91 Resp: 10954

Ion Ratio Lower Upper

91 100

106 43.7 21.1 63.4

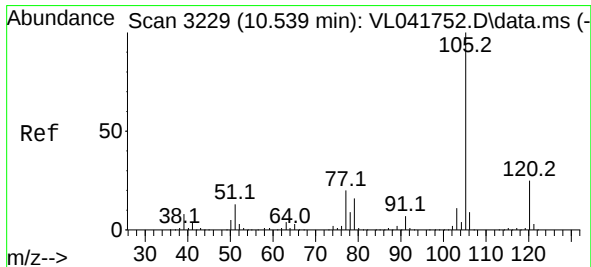
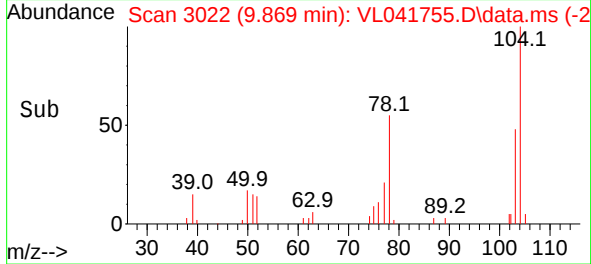
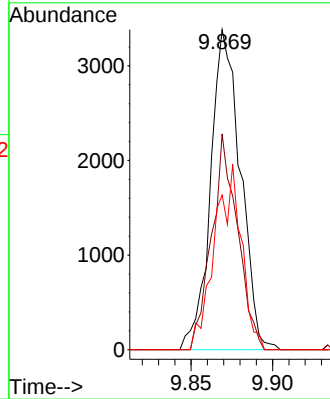
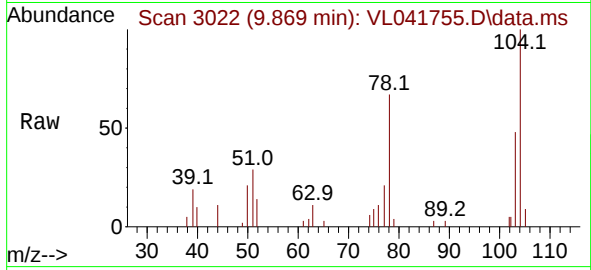




#61
Styrene
Concen: 0.433 ppbv
RT: 9.869 min Scan# 3022
Delta R.T. -0.000 min
Lab File: VL041755.D
Acq: 16 Dec 2024 15:05

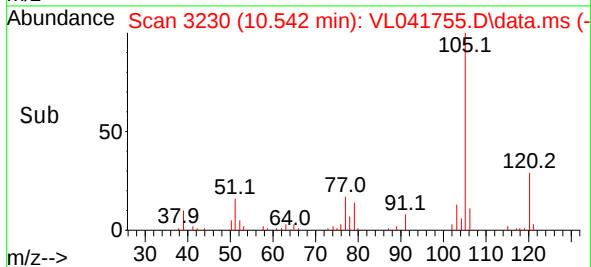
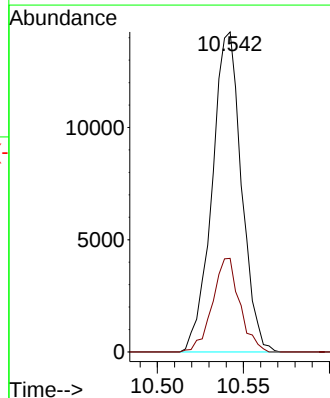
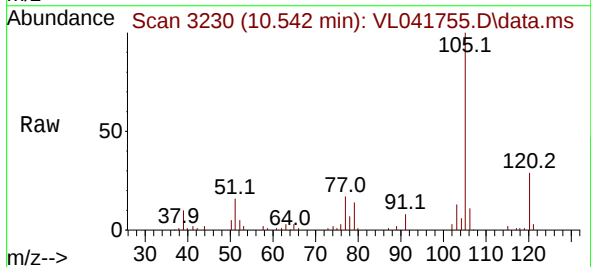
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.5

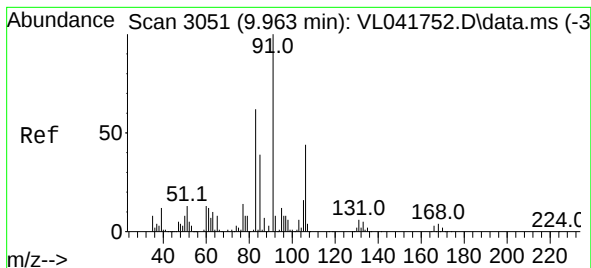
Tgt Ion:104 Resp: 4314
Ion Ratio Lower Upper
104 100
78 58.1 43.8 65.6
103 51.9 37.8 56.6



#62
Isopropylbenzene
Concen: 0.490 ppbv
RT: 10.542 min Scan# 3230
Delta R.T. 0.003 min
Lab File: VL041755.D
Acq: 16 Dec 2024 15:05

Tgt Ion:105 Resp: 16953
Ion Ratio Lower Upper
105 100
120 27.1 19.8 29.8





#63

1,1,2,2-Tetrachloroethane

Concen: 0.525 ppbv

RT: 9.966 min Scan# 3051

Delta R.T. 0.003 min

Lab File: VL041755.D

Acq: 16 Dec 2024 15:05

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

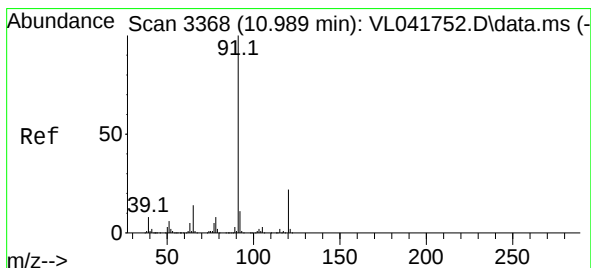
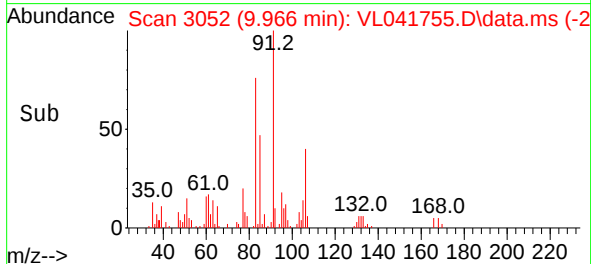
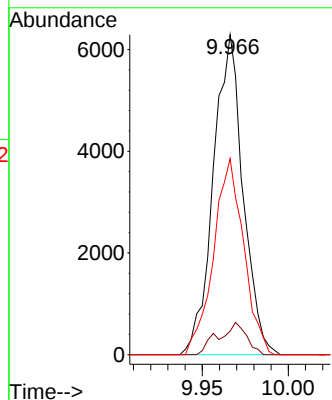
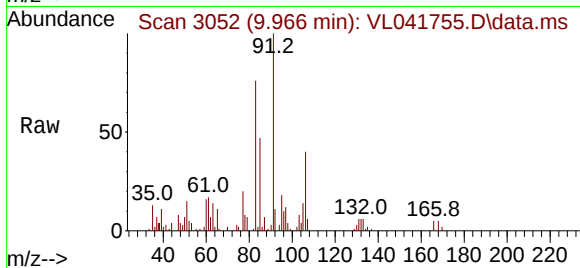
Tgt Ion: 83 Resp: 7559

Ion Ratio Lower Upper

83 100

131 9.5 4.9 14.7

85 62.2 32.0 96.2



#64

n-propylbenzene

Concen: 0.472 ppbv

RT: 10.989 min Scan# 3368

Delta R.T. -0.000 min

Lab File: VL041755.D

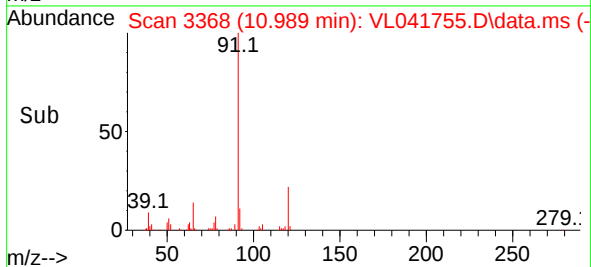
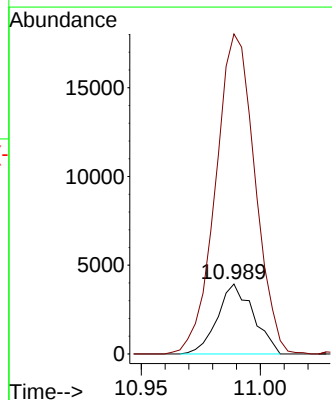
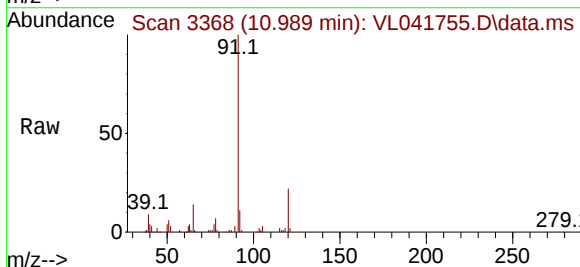
Acq: 16 Dec 2024 15:05

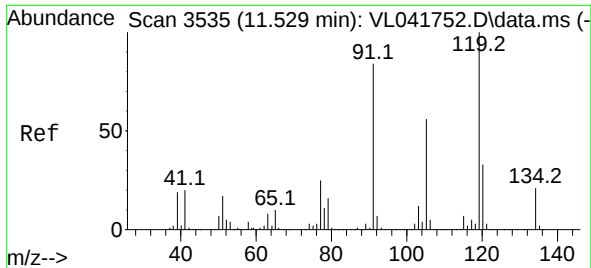
Tgt Ion:120 Resp: 4126

Ion Ratio Lower Upper

120 100

91 504.6 387.3 580.9





#65

tert-Butylbenzene

Concen: 0.499 ppbv

RT: 11.529 min Scan# 3535

Delta R.T. -0.000 min

Lab File: VL041755.D

Acq: 16 Dec 2024 15:05

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

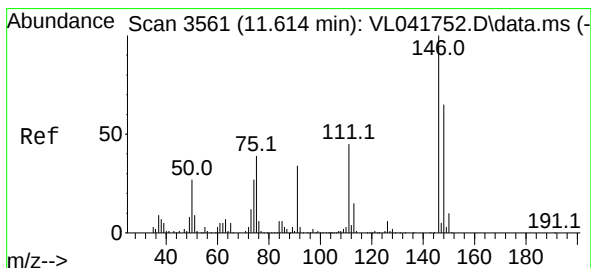
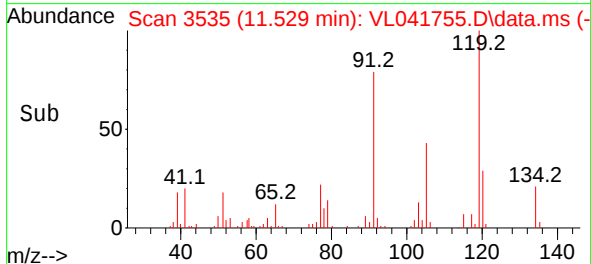
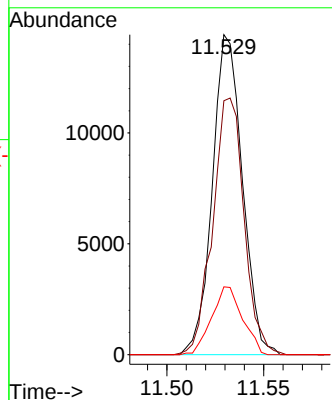
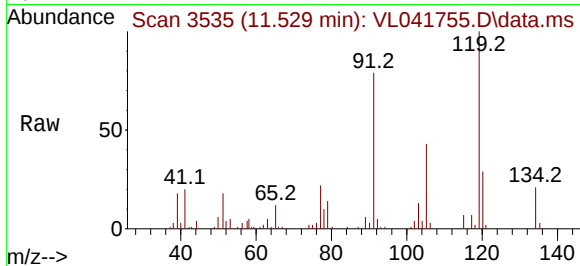
Tgt Ion:119 Resp: 15569

Ion Ratio Lower Upper

119 100

91 83.6 67.0 100.4

134 21.8 16.5 24.7



#66

Benzyl Chloride

Concen: 0.211 ppbv

RT: 11.620 min Scan# 3563

Delta R.T. 0.006 min

Lab File: VL041755.D

Acq: 16 Dec 2024 15:05

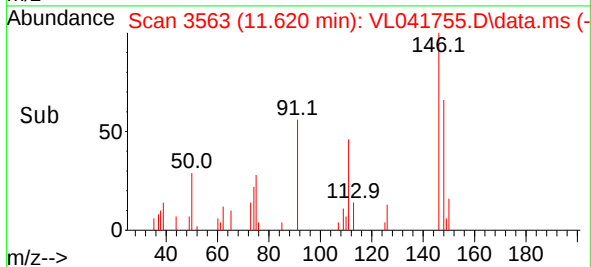
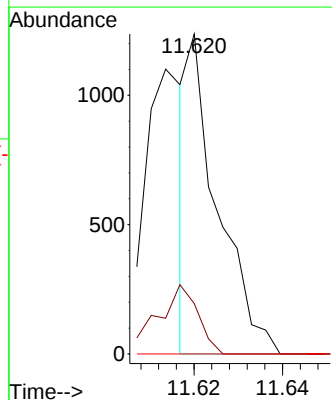
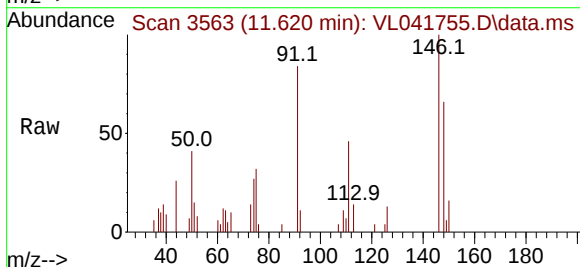
Tgt Ion: 91 Resp: 580

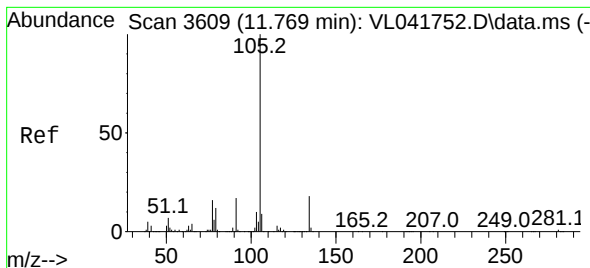
Ion Ratio Lower Upper

91 100

126 29.1 13.9 20.9#

128 0.0 4.4 6.6#





#67

sec-Butylbenzene

Concen: 0.492 ppbv

RT: 11.769 min Scan# 3

Delta R.T. -0.000 min

Lab File: VL041755.D

Acq: 16 Dec 2024 15:05

Instrument :

MSVOA_1

ClientSampleId :

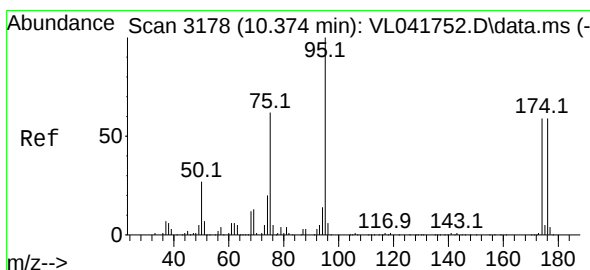
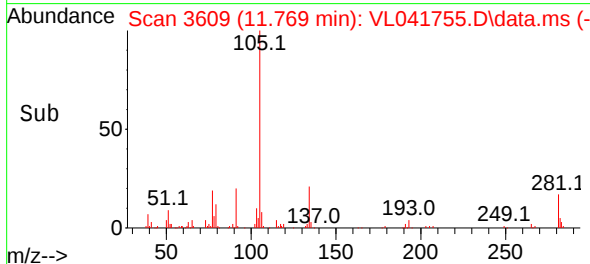
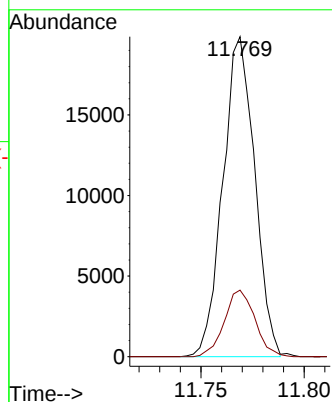
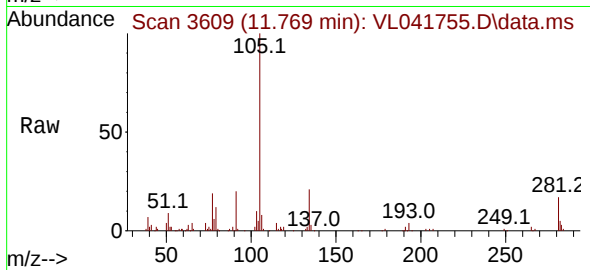
VSTDIC0.5

Tgt Ion:105 Resp: 21263

Ion Ratio Lower Upper

105 100

134 20.1 14.5 21.7



#68

1-Bromo-4-Fluorobenzene

Concen: 10.010 ppbv

RT: 10.377 min Scan# 3179

Delta R.T. 0.003 min

Lab File: VL041755.D

Acq: 16 Dec 2024 15:05

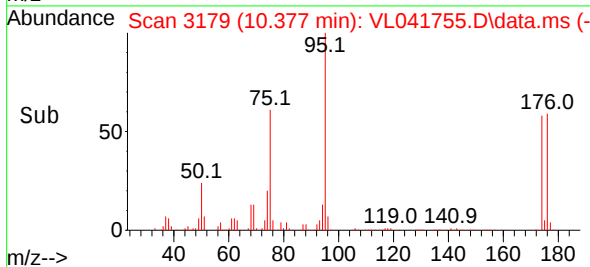
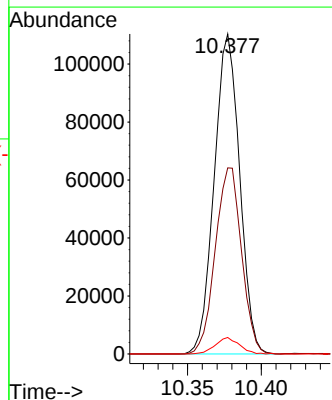
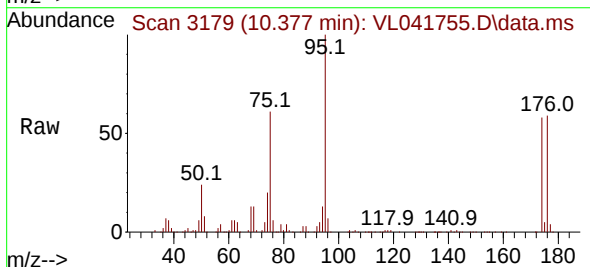
Tgt Ion: 95 Resp: 132273

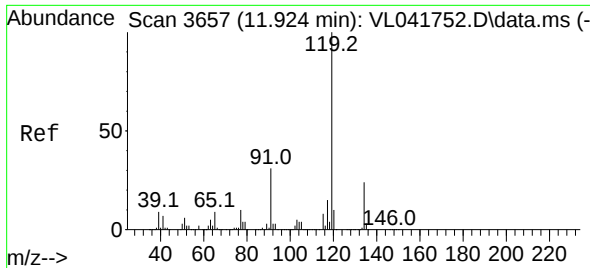
Ion Ratio Lower Upper

95 100

174 60.1 47.6 71.4

175 4.9 3.7 5.5

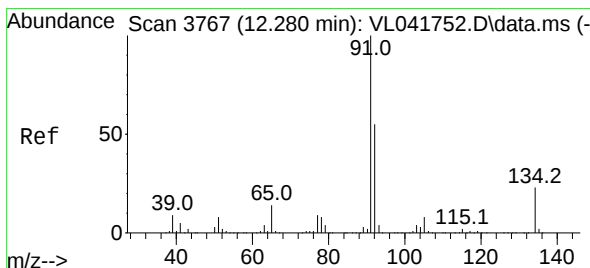
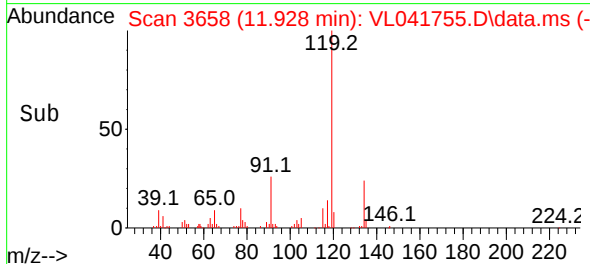
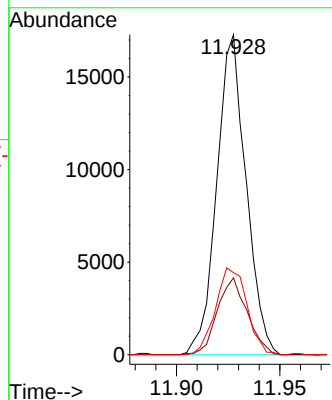
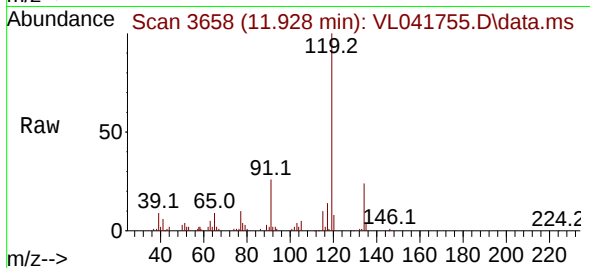




#69
 p-Isopropyltoluene
 Concen: 0.479 ppbv
 RT: 11.928 min Scan# 3658
 Delta R.T. 0.003 min
 Lab File: VL041755.D
 Acq: 16 Dec 2024 15:05

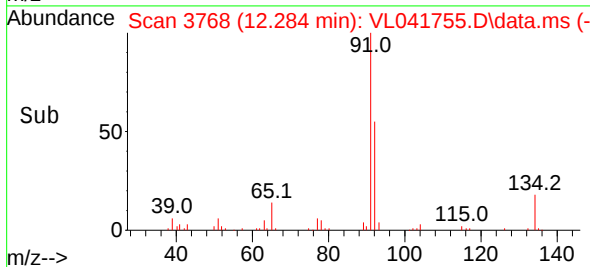
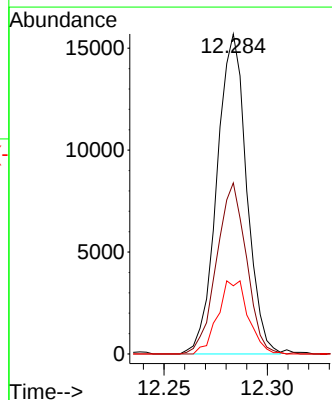
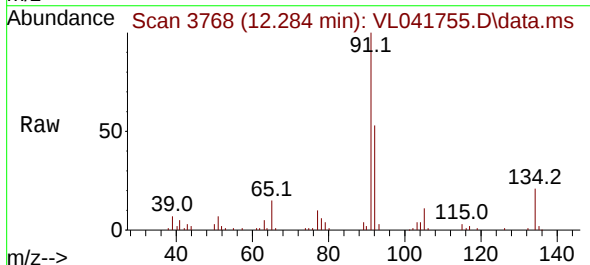
Instrument :
 MSVOA_1
 ClientSampleId :
 VSTDIC0.5

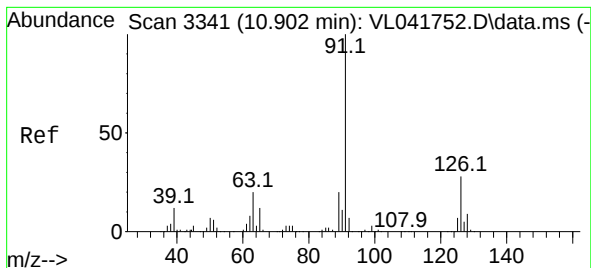
Tgt Ion:119 Resp: 17041
 Ion Ratio Lower Upper
 119 100
 134 24.5 19.6 29.4
 91 29.2 24.4 36.6



#70
 n-Butylbenzene
 Concen: 0.456 ppbv
 RT: 12.284 min Scan# 3768
 Delta R.T. 0.003 min
 Lab File: VL041755.D
 Acq: 16 Dec 2024 15:05

Tgt Ion: 91 Resp: 15671
 Ion Ratio Lower Upper
 91 100
 92 53.7 43.2 64.8
 134 23.5 18.2 27.4

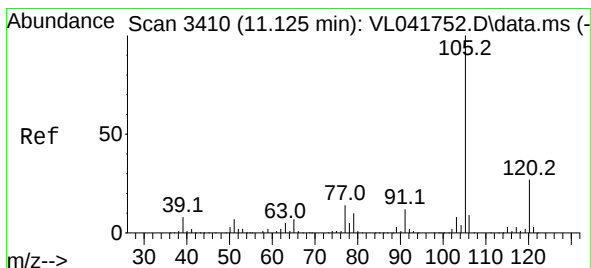
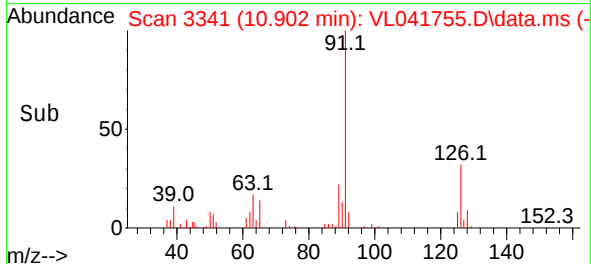
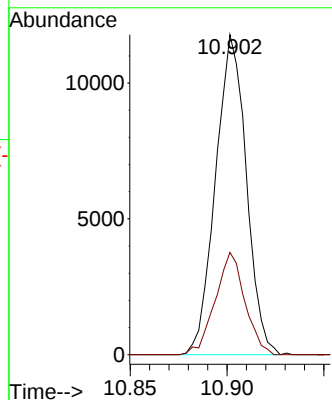
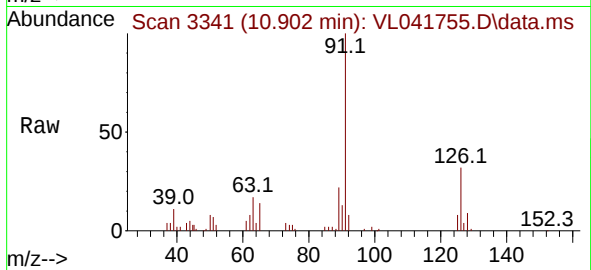




#71
2-Chlorotoluene
Concen: 0.492 ppbv
RT: 10.902 min Scan# 3411
Delta R.T. -0.000 min
Lab File: VL041755.D
Acq: 16 Dec 2024 15:05

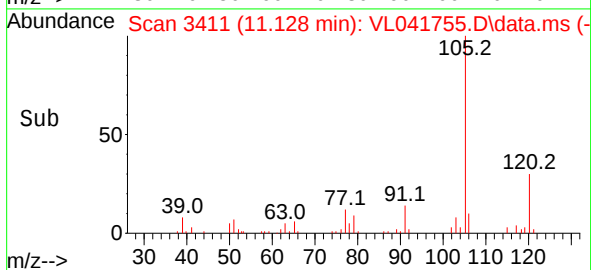
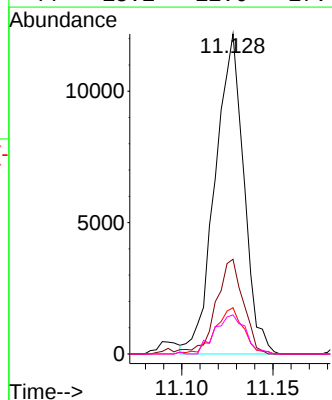
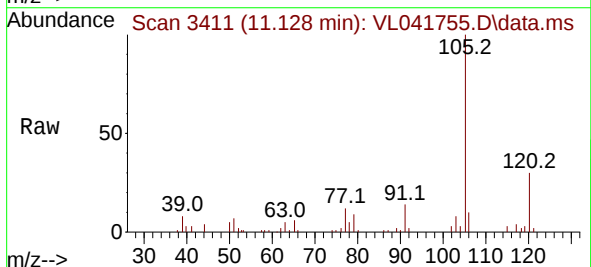
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.5

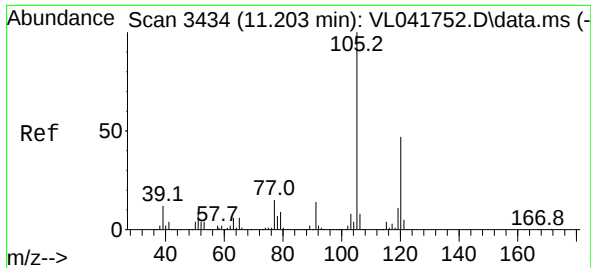
Tgt Ion: 91 Resp: 13000
Ion Ratio Lower Upper
91 100
126 30.8 11.6 46.4



#72
4-Ethyltoluene
Concen: 0.491 ppbv
RT: 11.128 min Scan# 3411
Delta R.T. 0.003 min
Lab File: VL041755.D
Acq: 16 Dec 2024 15:05

Tgt Ion:105 Resp: 13324
Ion Ratio Lower Upper
105 100
120 28.7 23.3 34.9
91 14.1 10.9 16.3
77 13.1 11.6 17.4





#73

1,3,5-Trimethylbenzene

Concen: 0.466 ppbv

RT: 11.206 min Scan# 3434

Delta R.T. 0.003 min

Lab File: VL041755.D

Acq: 16 Dec 2024 15:05

Instrument :

MSVOA_L

ClientSampleId :

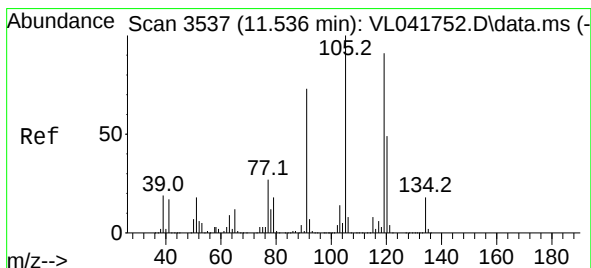
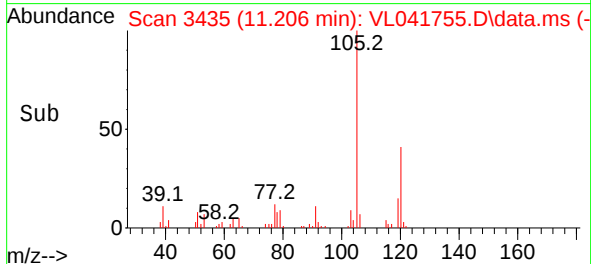
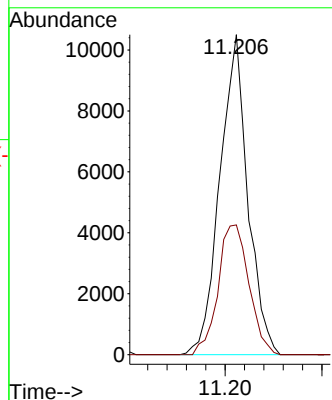
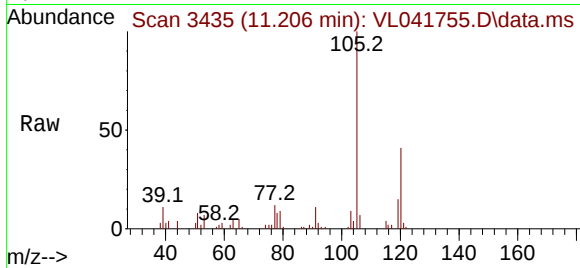
VSTDIC0.5

Tgt Ion:105 Resp: 10497

Ion Ratio Lower Upper

105 100

120 40.6 37.4 56.2



#74

1,2,4-Trimethylbenzene

Concen: 0.457 ppbv

RT: 11.536 min Scan# 3537

Delta R.T. -0.000 min

Lab File: VL041755.D

Acq: 16 Dec 2024 15:05

Tgt Ion:105 Resp: 11070

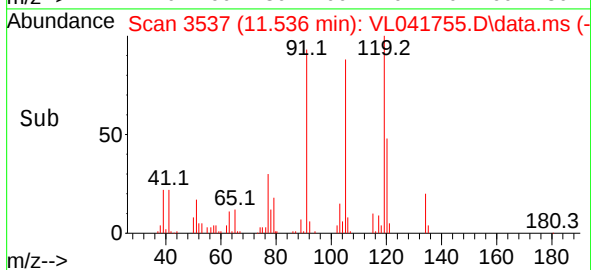
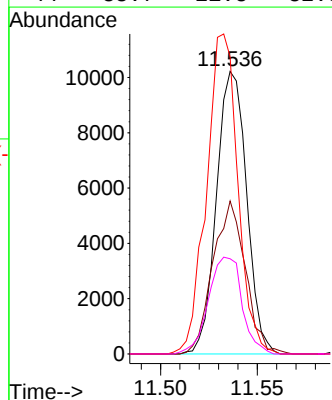
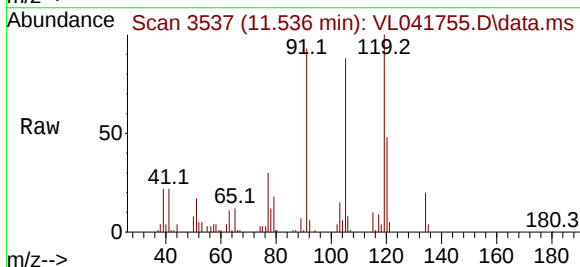
Ion Ratio Lower Upper

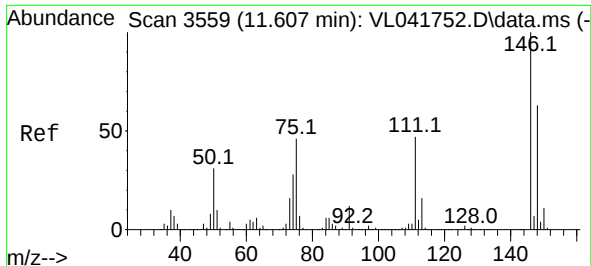
105 100

120 54.1 39.0 58.4

91 105.1 58.1 87.1#

77 33.7 21.8 32.8#





#75

1,3-Dichlorobenzene

Concen: 0.525 ppbv

RT: 11.604 min Scan# 3558

Delta R.T. -0.003 min

Lab File: VL041755.D

Acq: 16 Dec 2024 15:05

Instrument :

MSVOA_1

ClientSampleId :

VSTDIC0.5

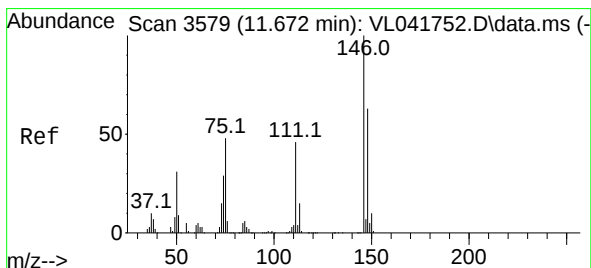
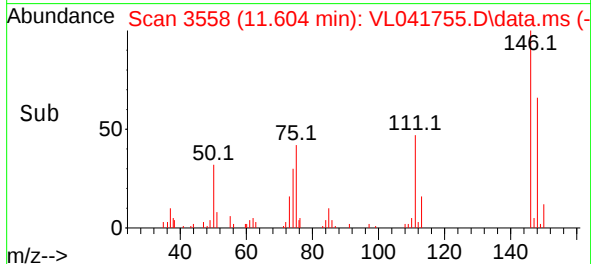
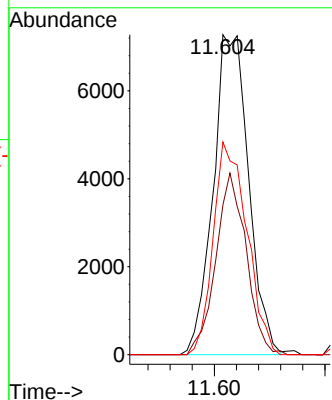
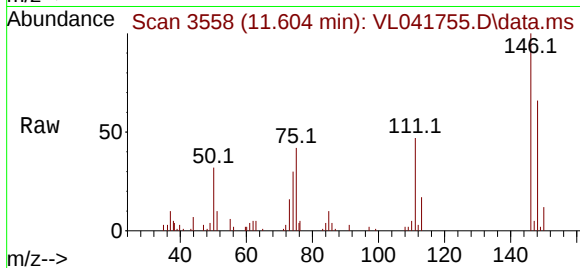
Tgt Ion:146 Resp: 8107

Ion Ratio Lower Upper

146 100

111 48.6 23.4 70.3

148 63.1 31.6 95.0



#76

1,4-Dichlorobenzene

Concen: 0.517 ppbv

RT: 11.672 min Scan# 3579

Delta R.T. -0.000 min

Lab File: VL041755.D

Acq: 16 Dec 2024 15:05

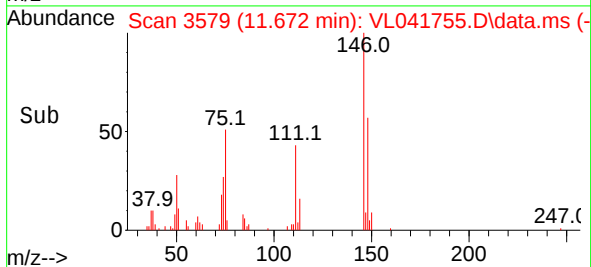
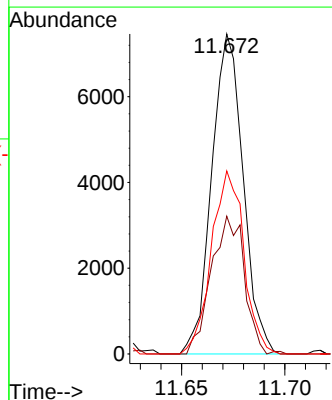
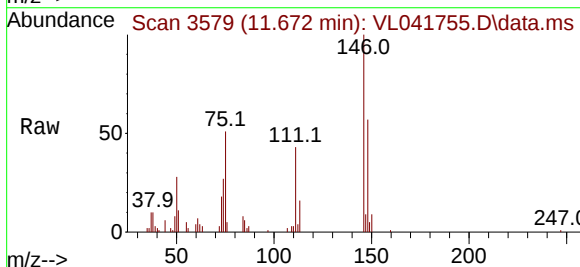
Tgt Ion:146 Resp: 7893

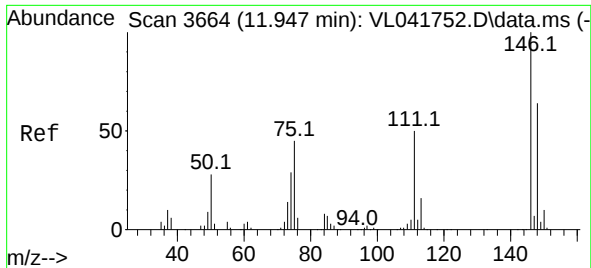
Ion Ratio Lower Upper

146 100

111 45.4 22.7 68.1

148 58.9 31.4 94.0

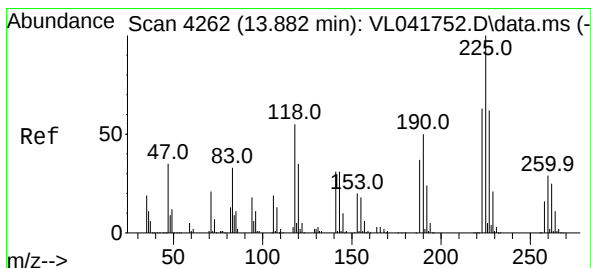
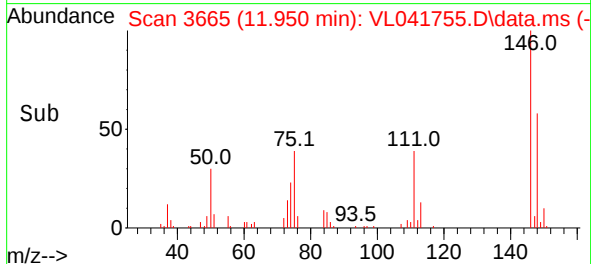
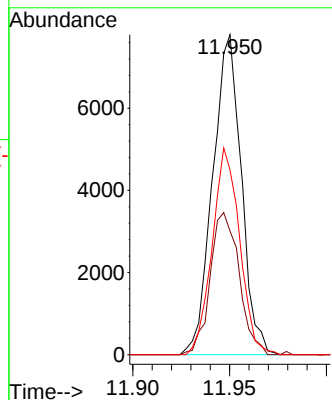
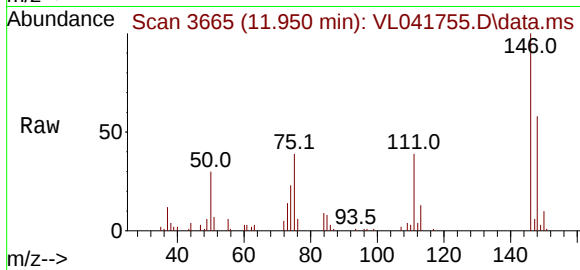




#77
1,2-Dichlorobenzene
Concen: 0.538 ppbv
RT: 11.950 min Scan# 3665
Delta R.T. 0.003 min
Lab File: VL041755.D
Acq: 16 Dec 2024 15:05

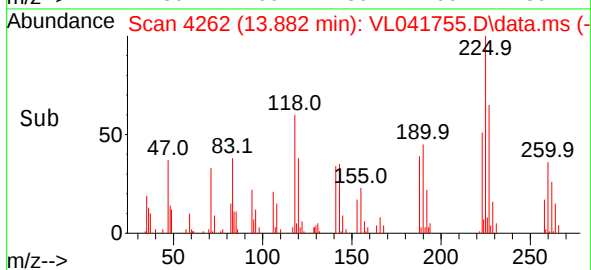
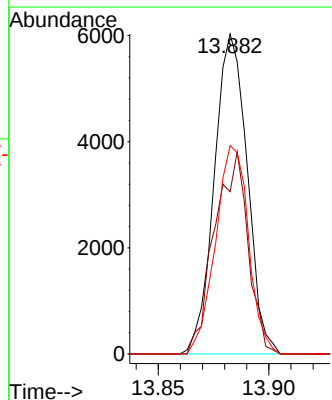
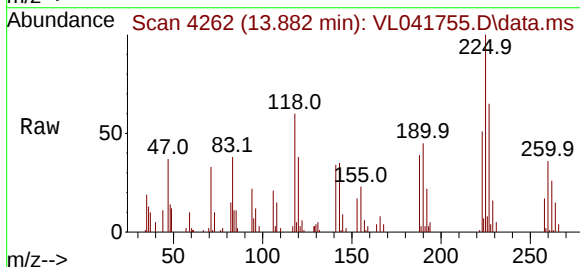
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

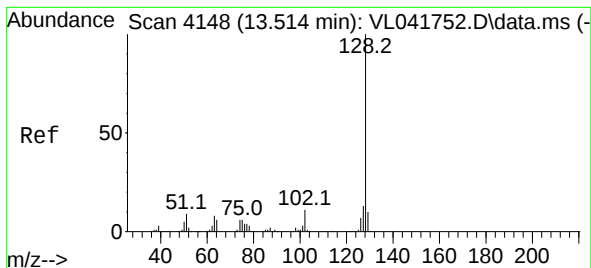
Tgt Ion:146 Resp: 7997
Ion Ratio Lower Upper
146 100
111 45.2 24.8 74.3
148 62.0 31.8 95.4



#78
Hexachloro-1,3-Butadiene
Concen: 0.565 ppbv
RT: 13.882 min Scan# 4262
Delta R.T. -0.000 min
Lab File: VL041755.D
Acq: 16 Dec 2024 15:05

Tgt Ion:225 Resp: 6232
Ion Ratio Lower Upper
225 100
223 64.1 50.5 75.7
227 65.3 50.3 75.5





#79

Naphthalene

Concen: 0.436 ppbv

RT: 13.517 min Scan# 4149

Delta R.T. 0.003 min

Lab File: VL041755.D

Acq: 16 Dec 2024 15:05

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

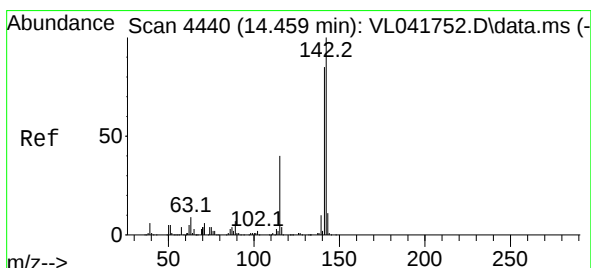
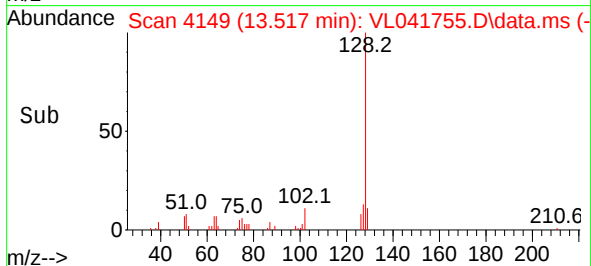
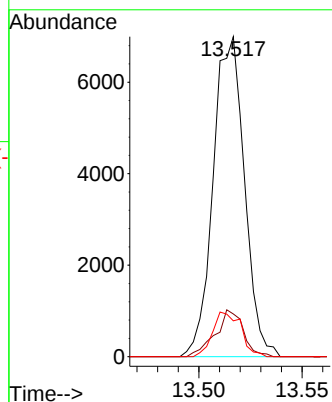
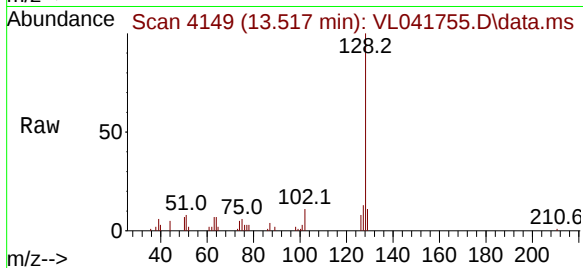
Tgt Ion:128 Resp: 7360

Ion Ratio Lower Upper

128 100

127 13.3 10.7 16.1

129 11.2 8.2 12.4



#80

Naphthalene, 2-methyl-

Concen: 0.143 ppbv

RT: 14.462 min Scan# 4441

Delta R.T. 0.003 min

Lab File: VL041755.D

Acq: 16 Dec 2024 15:05

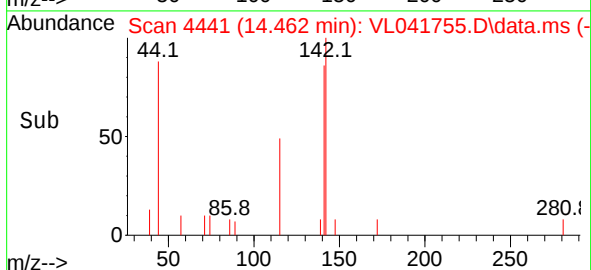
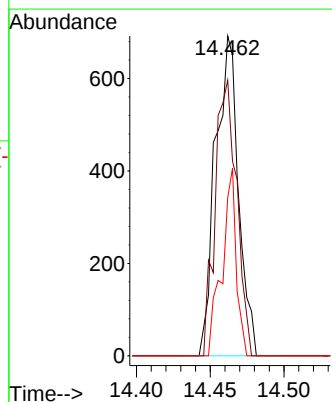
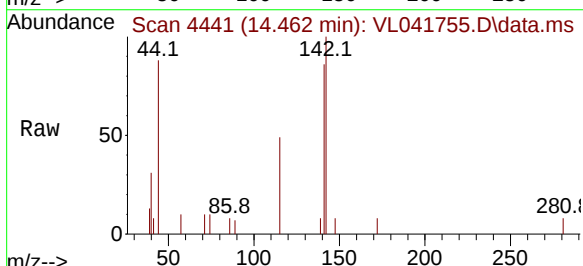
Tgt Ion:142 Resp: 748

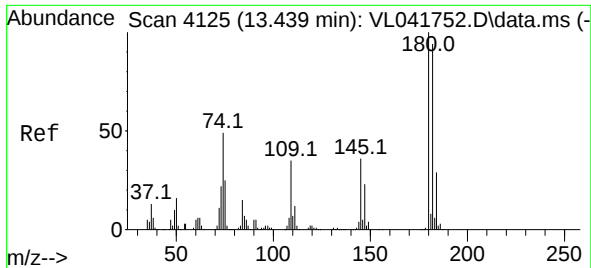
Ion Ratio Lower Upper

142 100

141 80.9 68.4 102.6

115 36.4 32.5 48.7





#81

1,2,4-Trichlorobenzene

Concen: 0.460 ppbv

RT: 13.442 min Scan# 41

Delta R.T. 0.003 min

Lab File: VL041755.D

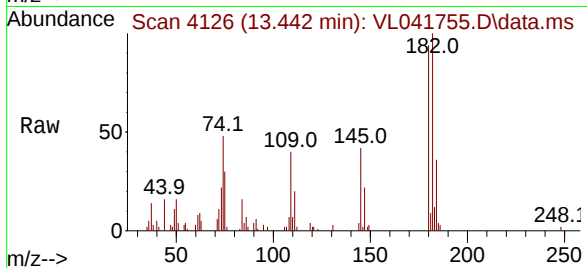
Acq: 16 Dec 2024 15:05

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC0.5



Tgt Ion:180 Resp: 4248

Ion Ratio Lower Upper

180 100

182 104.5 77.0 115.6

184 31.7 23.8 35.8

