

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL121624\
 Data File : VL041758.D
 Acq On : 16 Dec 2024 16:41
 Operator : SY/MD
 Sample : VSTDICC015
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC015

Quant Time: Dec 19 06:16:40 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	2.784	49	65186	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.955	114	176856	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.878	117	160457	10.000	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.374	95	133687	9.998	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.000%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.496	85	152683	13.163	ppbv	95
3) Chlorodifluoromethane	1.473	51	152455	14.341	ppbv	98
4) Chloromethane	1.531	50	63517	13.996	ppbv	98
5) Vinyl Chloride	1.577	62	62250	13.615	ppbv	99
6) Bromomethane	1.667	94	30345	14.064	ppbv	96
7) Chloroethane	1.703	64	25650	14.442	ppbv	95
8) Dichlorotetrafluoroethane	1.554	85	148190	14.274	ppbv	99
9) Propene	1.483	41	61515	13.351	ppbv	99
10) Heptane	4.978	43	168804	14.263	ppbv	100
11) Trichlorofluoromethane	1.874	101	177984	14.446	ppbv	99
12) 1,1,2-Trichlorotrifluo...	2.136	101	135538	14.464	ppbv	98
13) Ethanol	1.719	45	3643	9.509	ppbv	100
14) Bromoethene	1.780	108	47132	14.898	ppbv	99
15) Acetone	1.832	43	142980	11.273	ppbv	100
16) 1,3-Butadiene	1.606	39	68311	13.678	ppbv	98
17) tert-Butyl alcohol	2.036	59	177908	14.140	ppbv	99
18) 1,1-Dichloroethene	2.033	96	57770	14.705	ppbv	99
19) Isopropyl Alcohol	1.884	45	82211	10.802	ppbv	99
20) Methylene Chloride	2.059	84	48356	13.371	ppbv	99
21) Allyl Chloride	2.094	41	101528	14.760	ppbv	99
22) trans-1,2-Dichloroethene	2.337	96	65029	14.461	ppbv	97
23) Vinyl Acetate	2.460	43	80795	14.661	ppbv	98
24) 1,1-Dichloroethane	2.405	63	131030	14.394	ppbv	100
25) Ethyl Acetate	2.832	43	341429	14.402	ppbv	100
26) Hexane	2.823	57	128657	14.369	ppbv	99
27) Carbon Disulfide	2.149	76	134963	16.726	ppbv	99
28) Methyl tert-Butyl Ether	2.438	73	100758	13.871	ppbv	100
29) Chloroform	2.845	83	197713	14.489	ppbv	99
30) Cyclohexane	3.855	84	110448	14.497	ppbv	99
31) cis-1,2-Dichloroethene	2.719	61	132821	14.355	ppbv	99
32) 1,1,1-Trichloroethane	3.366	97	204468	15.055	ppbv	100
34) 2-Butanone	2.554	43	195439	13.736	ppbv	99
35) Carbon Tetrachloride	3.761	117	206252	16.428	ppbv	94
36) Benzene	3.654	78	259630	14.192	ppbv	99
37) 1,2-Dichloroethane	3.214	62	166576	14.633	ppbv	100
38) Trichloroethene	4.548	130	104184	13.525	ppbv	95
39) 1,2-Dichloropropane	4.312	63	93624	14.150	ppbv	97
40) 1,4-Dioxane	4.577	88	44377	13.730	ppbv #	96
41) Tetrahydrofuran	3.052	42	113618	14.254	ppbv	100
42) Bromodichloromethane	4.486	83	211145	16.123	ppbv	96
43) Methyl Methacrylate	4.878	69	107165	15.374	ppbv	100
44) 2,2,4-Trimethylpentane	4.638	57	445947	14.274	ppbv	99
45) t-1,3-Dichloropropene	6.409	75	115159	15.973	ppbv	97

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 Misc : 400mL/MSVOA_L
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Instrument :
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 ClientSampleId :
 VSTDICC015

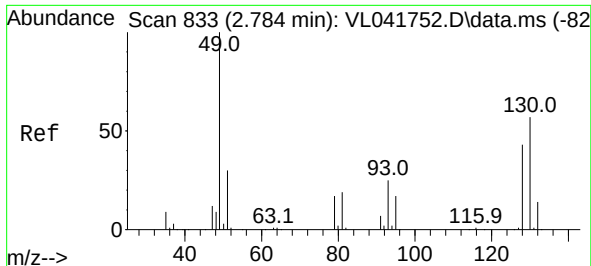
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 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL121624AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Thu Dec 19 06:09:59 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.600	75	143172	15.643	ppbv	95
47) 1,1,2-Trichloroethane	6.580	97	98426	14.242	ppbv	94
48) Dibromochloromethane	7.386	129	161661	17.131	ppbv	100
49) Bromoform	9.484	173	137786	17.838	ppbv	99
50) 4-Methyl-2-Pentanone	5.749	43	285467	14.735	ppbv	99
51) 2-Hexanone	7.435	43	232363	14.798	ppbv #	100
52) Tetrachloroethene	8.225	164	93120	13.675	ppbv	98
53) Toluene	6.930	91	301428	14.533	ppbv	100
54) 1,2-Dibromoethane	7.652	107	139889	14.690	ppbv	100
56) 1,1,1,2-Tetrachloroethane	8.924	131	128108	15.059	ppbv	99
57) Chlorobenzene	8.924	112	227716	13.869	ppbv	100
58) Ethyl Benzene	9.354	91	425852	14.742	ppbv	99
59) m/p-Xylene	9.552	91	363863	15.660	ppbv #	100
60) o-Xylene	9.963	91	337891	14.506	ppbv	100
61) Styrene	9.869	104	165328	16.415	ppbv	100
62) Isopropylbenzene	10.539	105	506570	14.475	ppbv	99
63) 1,1,2,2-Tetrachloroethane	9.963	83	201057	13.790	ppbv	100
64) n-propylbenzene	10.989	120	129200	14.602	ppbv	97
65) tert-Butylbenzene	11.532	119	446690	14.148	ppbv	98
66) Benzyl Chloride	11.617	91	45189	16.234	ppbv	99
67) sec-Butylbenzene	11.769	105	624565	14.295	ppbv	99
69) p-Isopropyltoluene	11.927	119	528265	14.671	ppbv	99
70) n-Butylbenzene	12.283	91	525377	15.101	ppbv	100
71) 2-Chlorotoluene	10.901	91	387300	14.498	ppbv	100
72) 4-Ethyltoluene	11.125	105	409822	14.934	ppbv	100
73) 1,3,5-Trimethylbenzene	11.202	105	350895	15.383	ppbv	97
74) 1,2,4-Trimethylbenzene	11.539	105	371476	15.144	ppbv	96
75) 1,3-Dichlorobenzene	11.610	146	219506	14.036	ppbv	99
76) 1,4-Dichlorobenzene	11.672	146	222290	14.388	ppbv	99
77) 1,2-Dichlorobenzene	11.947	146	205737	13.672	ppbv	99
78) Hexachloro-1,3-Butadiene	13.882	225	138481	12.412	ppbv	100
79) Naphthalene	13.513	128	301006	17.611	ppbv	99
80) Naphthalene,2-methyl-	14.458	142	161927	30.630	ppbv	98
81) 1,2,4-Trichlorobenzene	13.442	180	146340	15.669	ppbv	99

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

Quant Time: Dec 19 06:16:40 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

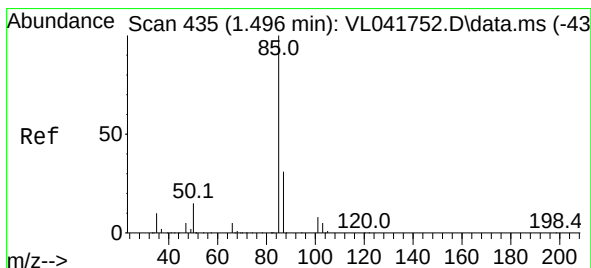
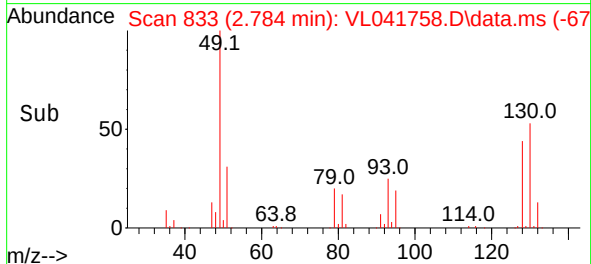
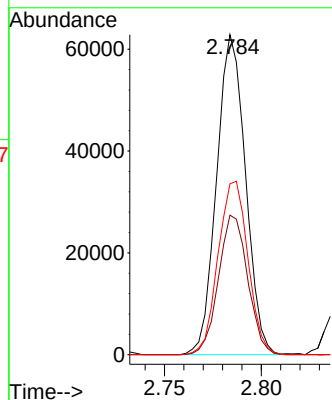
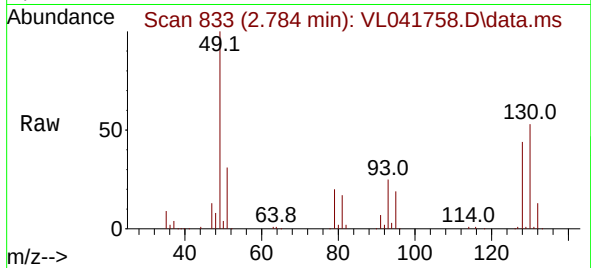




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.784 min Scan# 833
Delta R.T. -0.000 min
Lab File: VL041758.D
Acq: 16 Dec 2024 16:41

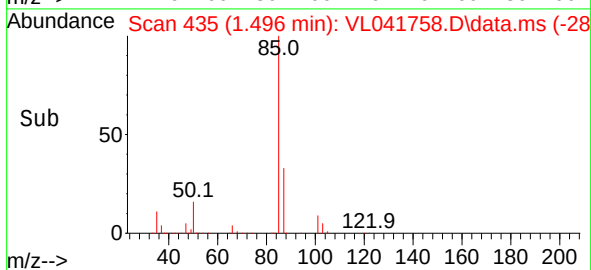
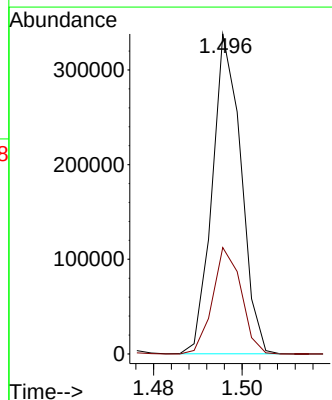
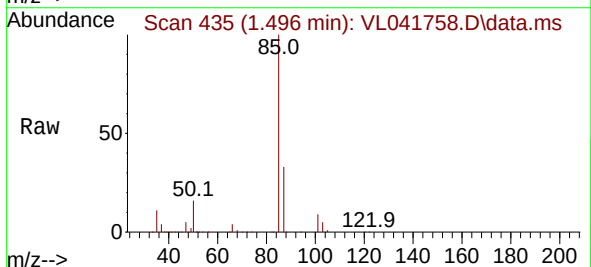
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC015

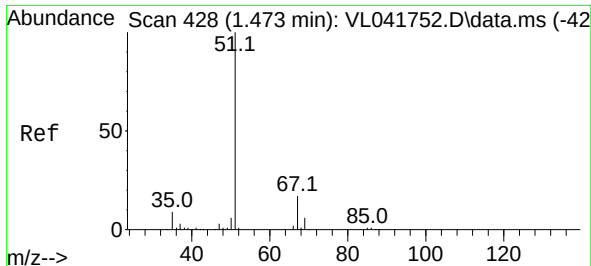
Tgt Ion: 49 Resp: 65186
Ion Ratio Lower Upper
49 100
128 44.0 21.6 64.6
130 56.0 28.3 85.0



#2
Dichlorodifluoromethane
Concen: 13.163 ppbv
RT: 1.496 min Scan# 435
Delta R.T. -0.000 min
Lab File: VL041758.D
Acq: 16 Dec 2024 16:41

Tgt Ion: 85 Resp: 152683
Ion Ratio Lower Upper
85 100
87 33.3 24.5 36.7

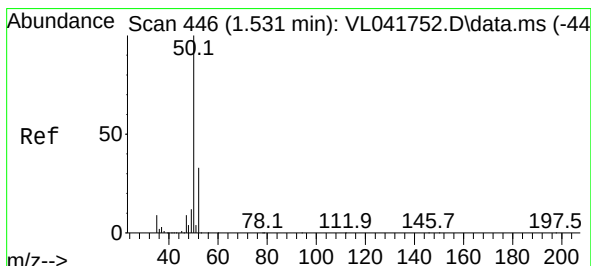
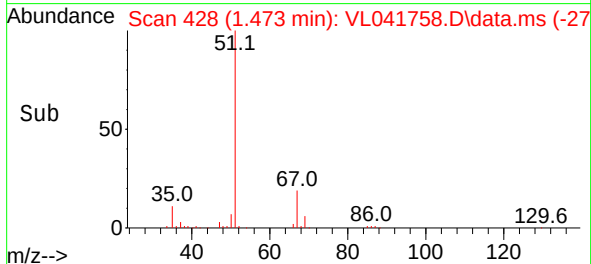
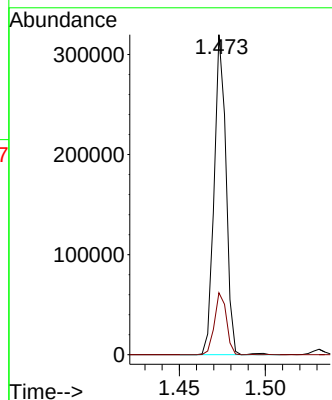
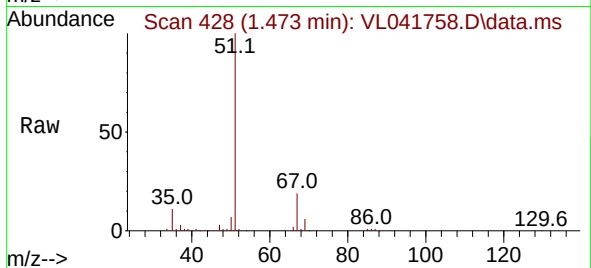




#3
Chlorodifluoromethane
Concen: 14.341 ppbv
RT: 1.473 min Scan# 41
Delta R.T. -0.000 min
Lab File: VL041758.D
Acq: 16 Dec 2024 16:41

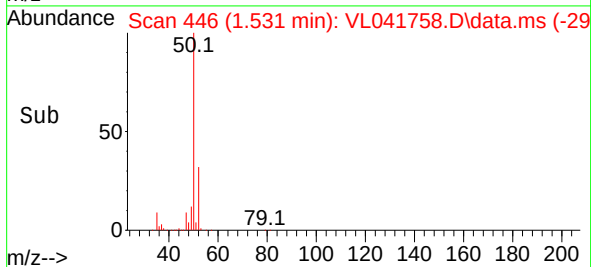
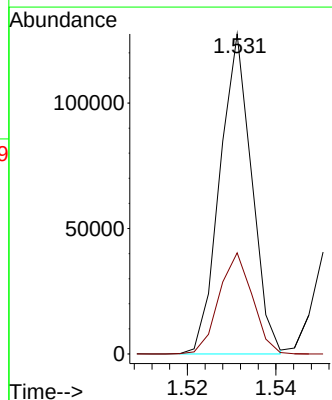
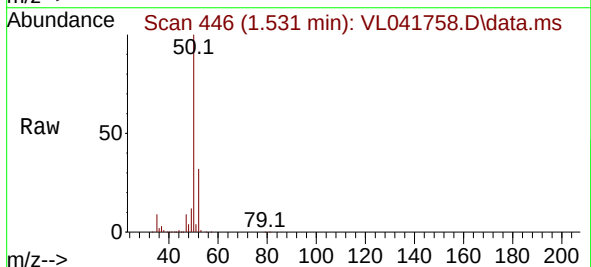
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC015

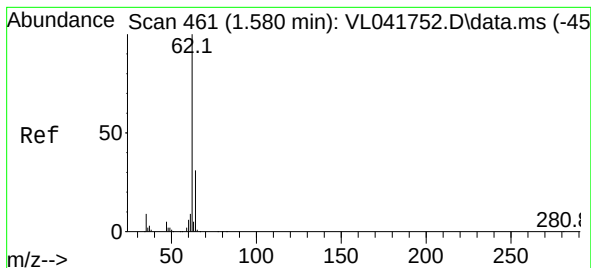
Tgt Ion: 51 Resp: 152455
Ion Ratio Lower Upper
51 100
67 19.6 15.0 22.4



#4
Chloromethane
Concen: 13.996 ppbv
RT: 1.531 min Scan# 446
Delta R.T. -0.000 min
Lab File: VL041758.D
Acq: 16 Dec 2024 16:41

Tgt Ion: 50 Resp: 63517
Ion Ratio Lower Upper
50 100
52 31.5 26.2 39.2





#5

Vinyl Chloride

Concen: 13.615 ppbv

RT: 1.577 min Scan# 4

Delta R.T. -0.003 min

Lab File: VL041758.D

Acq: 16 Dec 2024 16:41

Instrument :

MSVOA_1

ClientSampleId :

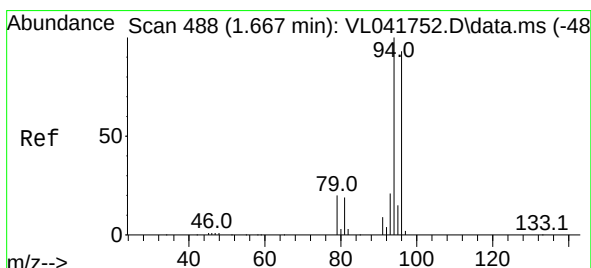
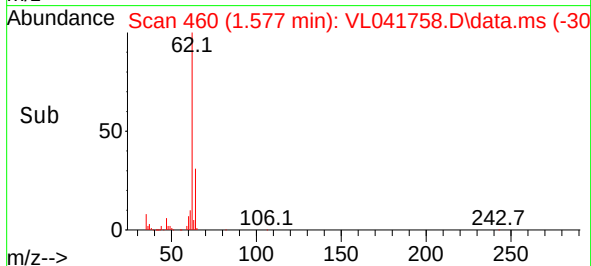
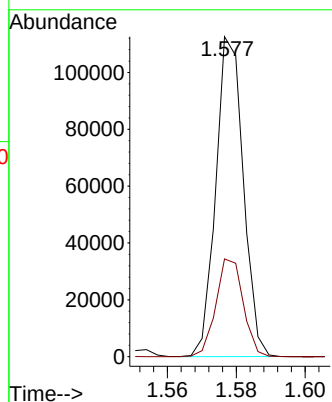
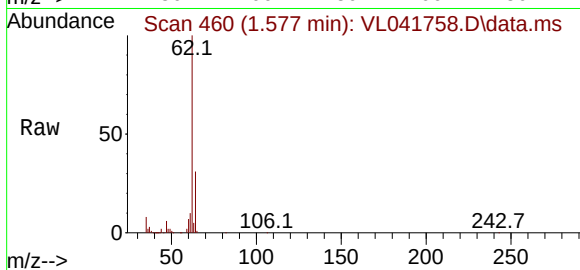
VSTDIC015

Tgt Ion: 62 Resp: 62250

Ion Ratio Lower Upper

62 100

64 30.6 25.1 37.7



#6

Bromomethane

Concen: 14.064 ppbv

RT: 1.667 min Scan# 488

Delta R.T. -0.000 min

Lab File: VL041758.D

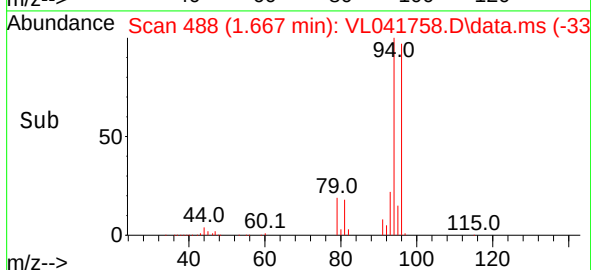
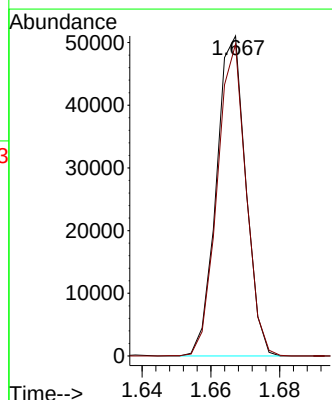
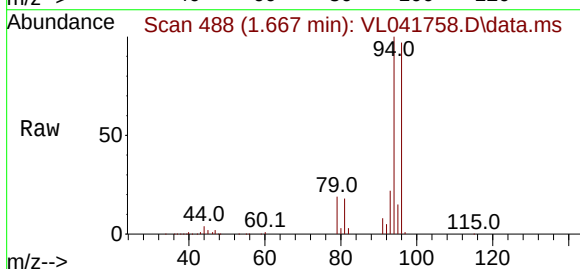
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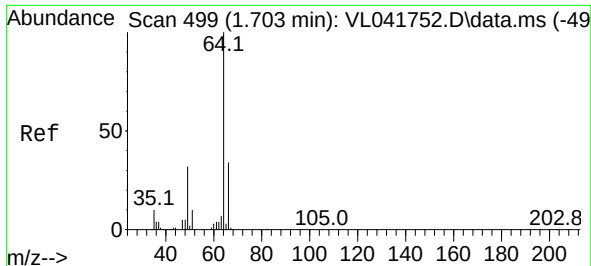
Tgt Ion: 94 Resp: 30345

Ion Ratio Lower Upper

94 100

96 97.3 74.7 112.1

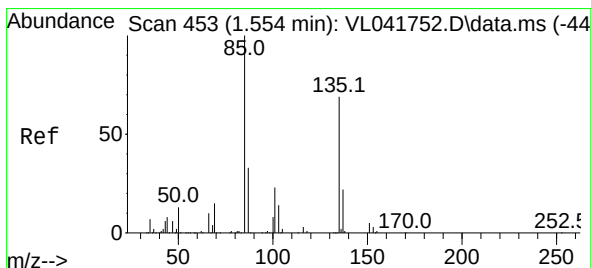
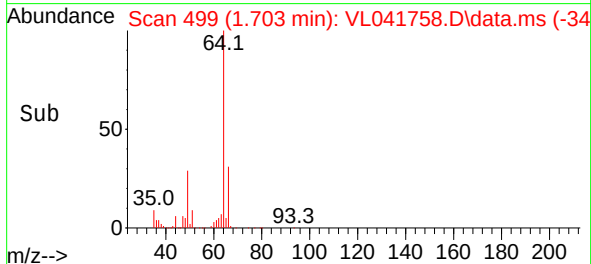
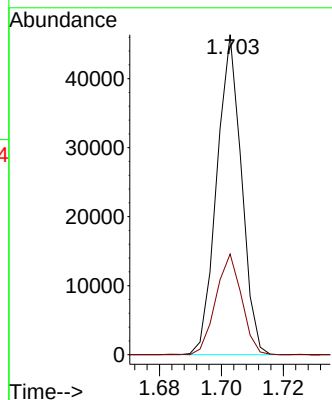
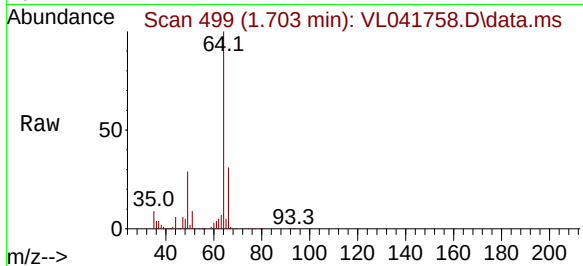




#7
Chloroethane
Concen: 14.442 ppbv
RT: 1.703 min Scan# 499
Delta R.T. -0.000 min
Lab File: VL041758.D
Acq: 16 Dec 2024 16:41

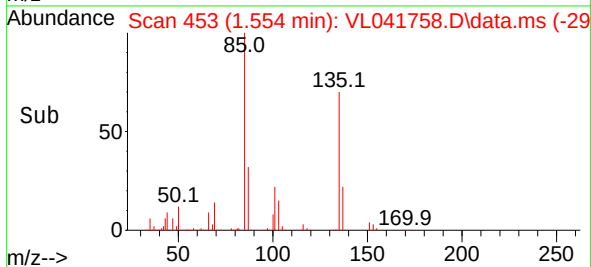
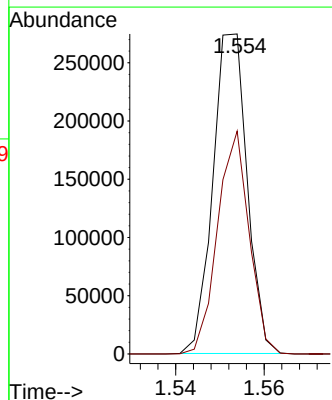
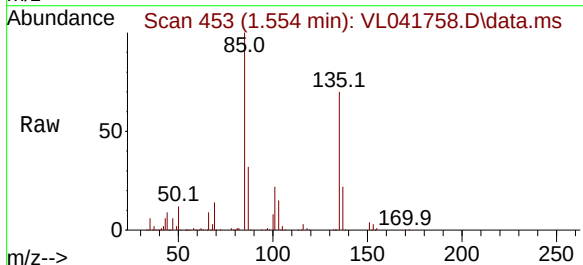
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC015

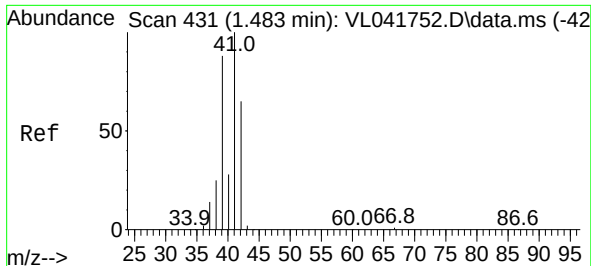
Tgt Ion: 64 Resp: 25650
Ion Ratio Lower Upper
64 100
66 31.5 27.5 41.3



#8
Dichlorotetrafluoroethane
Concen: 14.274 ppbv
RT: 1.554 min Scan# 453
Delta R.T. -0.000 min
Lab File: VL041758.D
Acq: 16 Dec 2024 16:41

Tgt Ion: 85 Resp: 148190
Ion Ratio Lower Upper
85 100
135 64.1 51.9 77.9





#9

Propene

Concen: 13.351 ppbv

RT: 1.483 min Scan# 431

Delta R.T. -0.000 min

Lab File: VL041758.D

Acq: 16 Dec 2024 16:41

Instrument :

MSVOA_L

ClientSampleId :

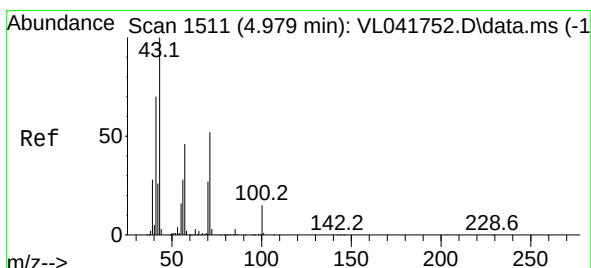
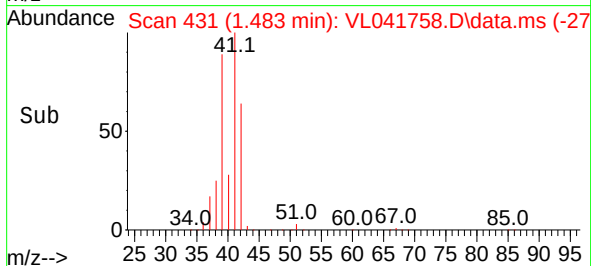
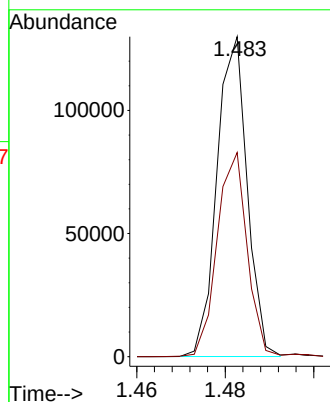
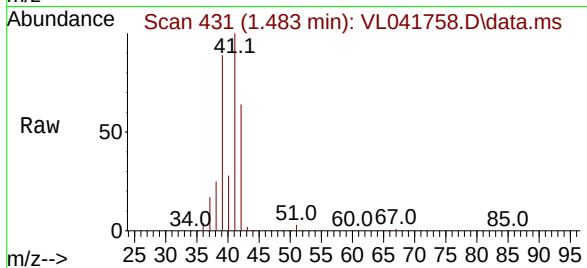
VSTDIC015

Tgt Ion: 41 Resp: 61515

Ion Ratio Lower Upper

41 100

42 64.4 52.4 78.6



#10

Heptane

Concen: 14.263 ppbv

RT: 4.978 min Scan# 1511

Delta R.T. -0.000 min

Lab File: VL041758.D

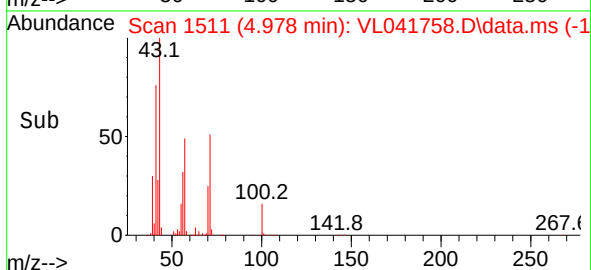
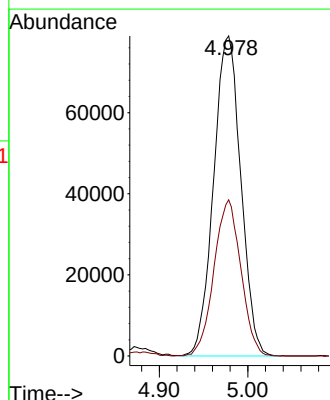
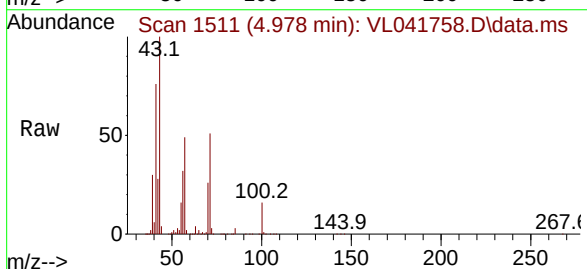
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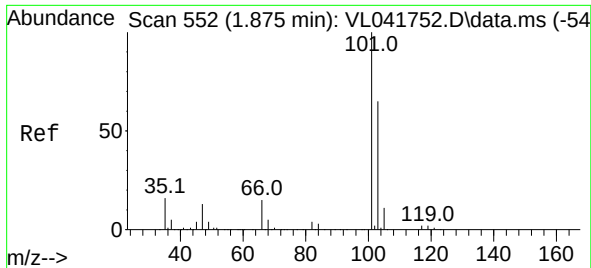
Tgt Ion: 43 Resp: 168804

Ion Ratio Lower Upper

43 100

57 48.2 38.5 57.7

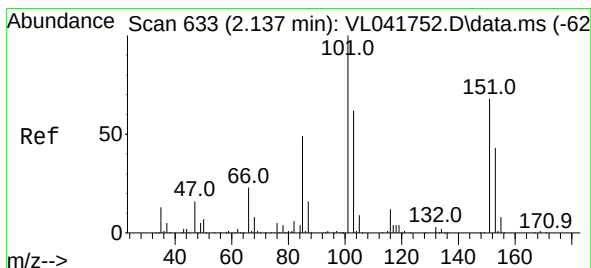
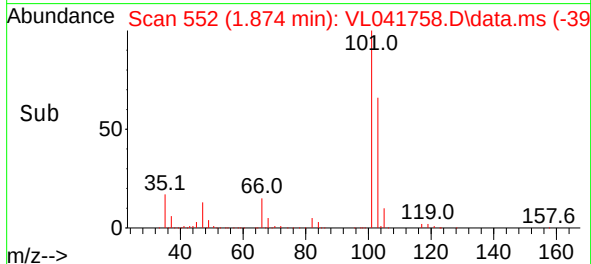
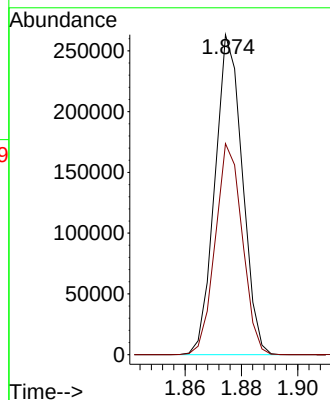
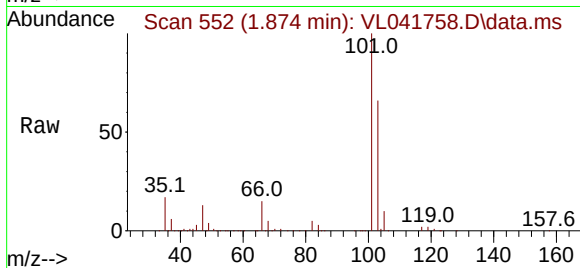




#11
 Trichlorofluoromethane
 Concen: 14.446 ppbv
 RT: 1.874 min Scan# 511
 Delta R.T. -0.000 min
 Lab File: VL041758.D
 Acq: 16 Dec 2024 16:41

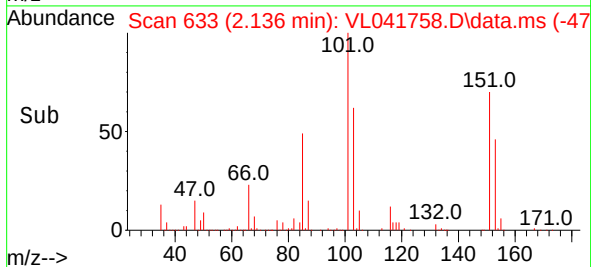
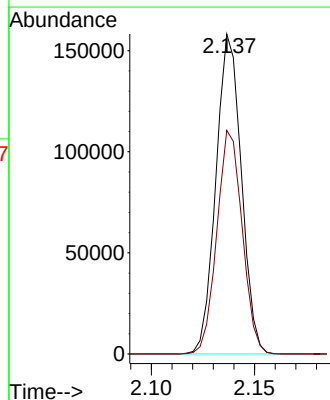
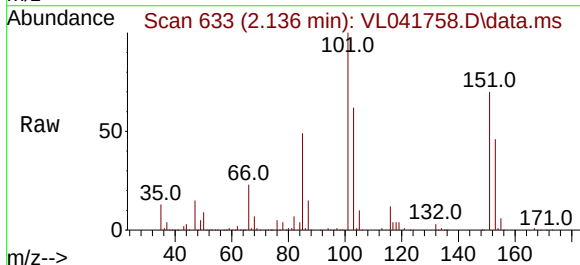
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

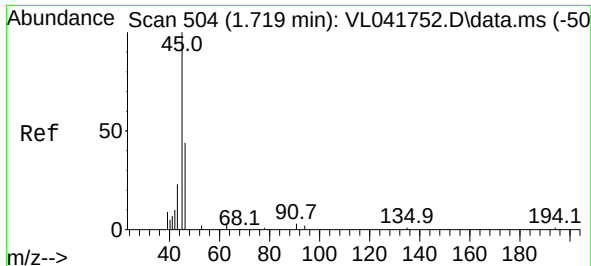
Tgt Ion:101 Resp: 177984
 Ion Ratio Lower Upper
 101 100
 103 65.9 51.8 77.8



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 14.464 ppbv
 RT: 2.136 min Scan# 633
 Delta R.T. -0.000 min
 Lab File: VL041758.D
 Acq: 16 Dec 2024 16:41

Tgt Ion:101 Resp: 135538
 Ion Ratio Lower Upper
 101 100
 151 69.6 56.8 85.2





#13

Ethanol

Concen: 9.509 ppbv

RT: 1.719 min Scan# 504

Delta R.T. -0.000 min

Lab File: VL041758.D

Acq: 16 Dec 2024 16:41

Instrument :

MSVOA_L

ClientSampleId :

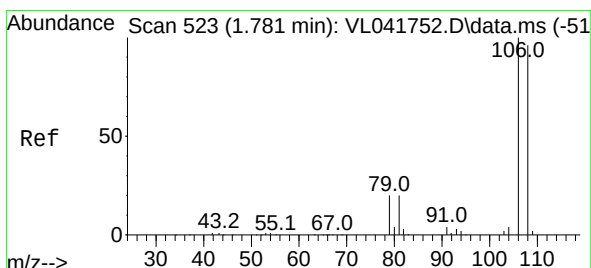
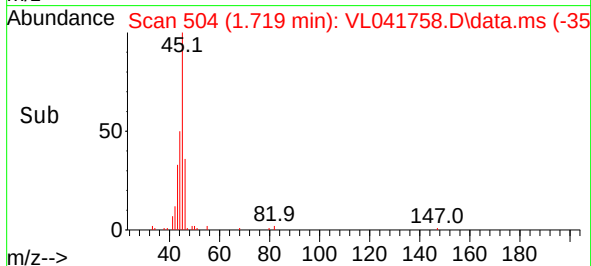
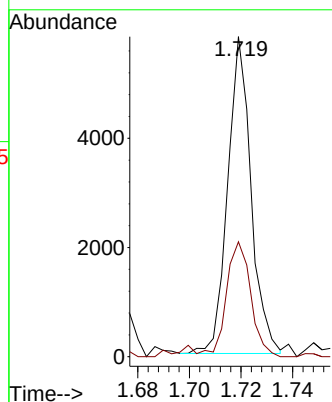
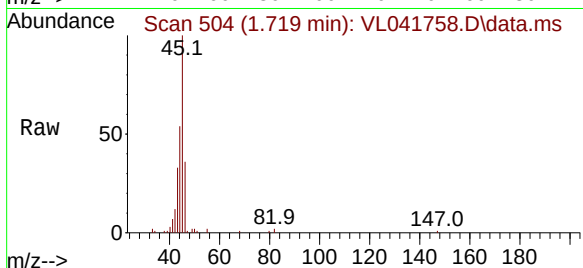
VSTDIC015

Tgt Ion: 45 Resp: 3643

Ion Ratio Lower Upper

45 100

46 41.2 16.4 65.8



#14

Bromoethene

Concen: 14.898 ppbv

RT: 1.780 min Scan# 523

Delta R.T. -0.000 min

Lab File: VL041758.D

Acq: 16 Dec 2024 16:41

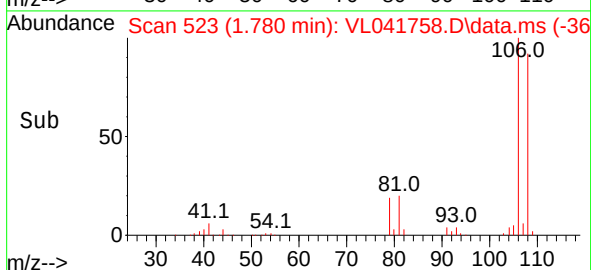
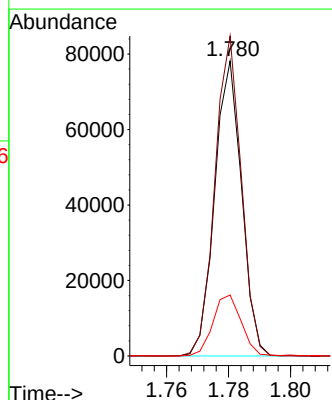
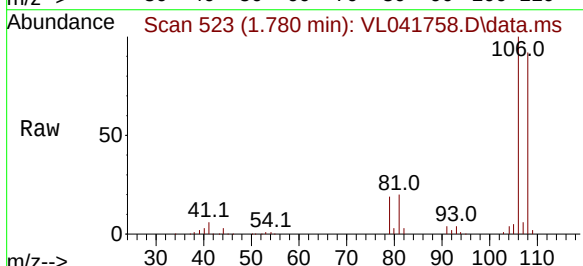
Tgt Ion: 108 Resp: 47132

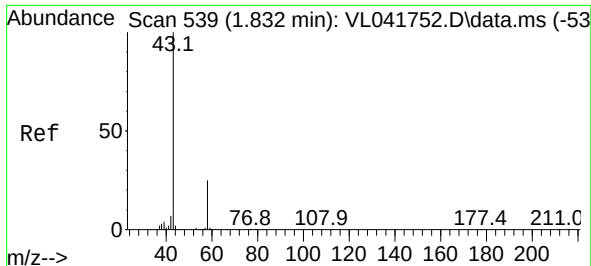
Ion Ratio Lower Upper

108 100

106 105.9 84.1 126.1

79 22.1 17.4 26.0

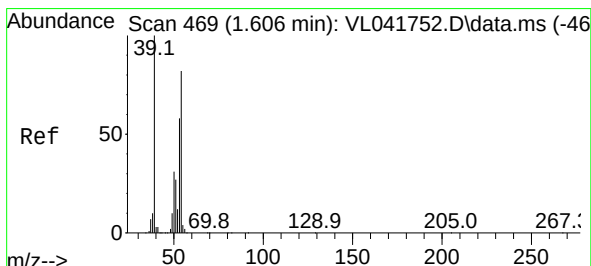
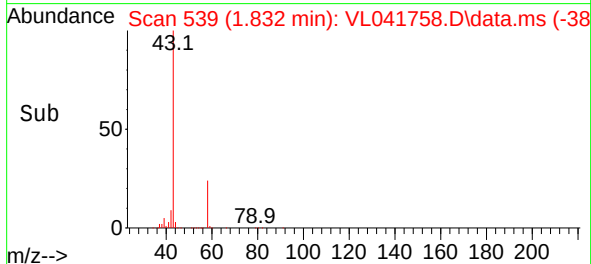
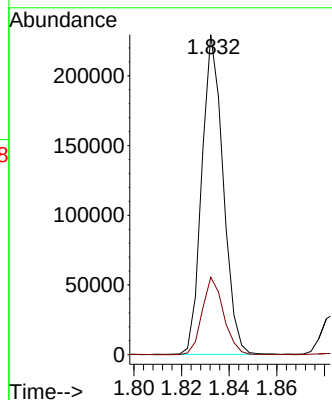
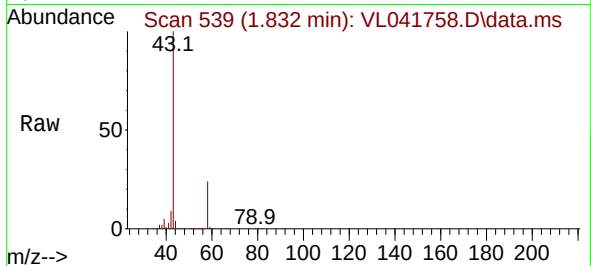




#15
Acetone
Concen: 11.273 ppbv
RT: 1.832 min Scan# 539
Delta R.T. -0.000 min
Lab File: VL041758.D
Acq: 16 Dec 2024 16:41

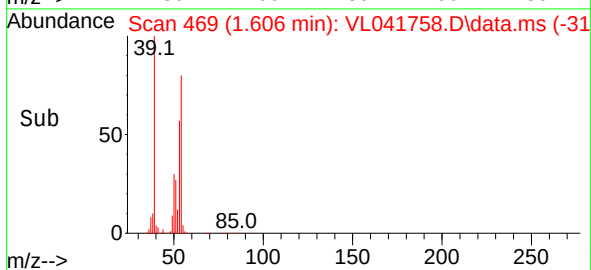
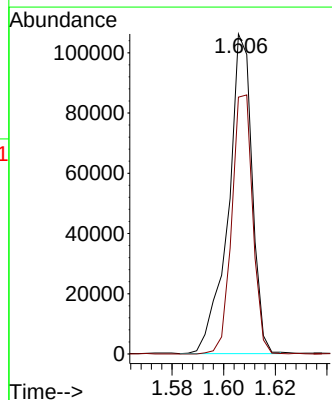
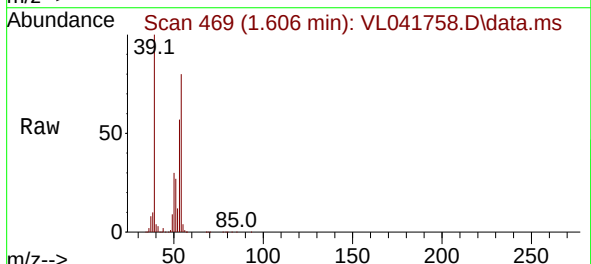
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

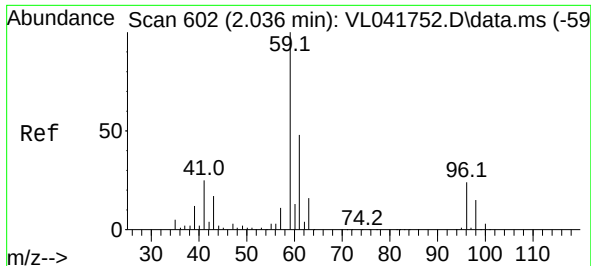
Tgt Ion: 43 Resp: 142980
Ion Ratio Lower Upper
43 100
58 24.4 19.7 29.5



#16
1,3-Butadiene
Concen: 13.678 ppbv
RT: 1.606 min Scan# 469
Delta R.T. -0.000 min
Lab File: VL041758.D
Acq: 16 Dec 2024 16:41

Tgt Ion: 39 Resp: 68311
Ion Ratio Lower Upper
39 100
54 71.3 58.4 87.6





#17

tert-Butyl alcohol

Concen: 14.140 ppbv

RT: 2.036 min Scan# 602

Delta R.T. -0.000 min

Lab File: VL041758.D

Acq: 16 Dec 2024 16:41

Instrument :

MSVOA_L

ClientSampleId :

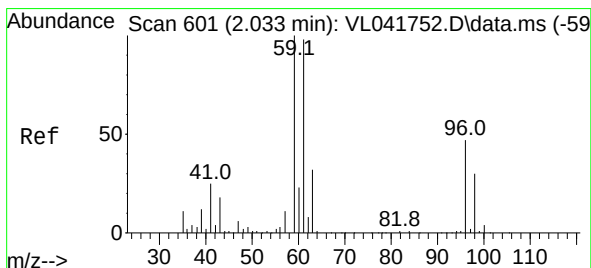
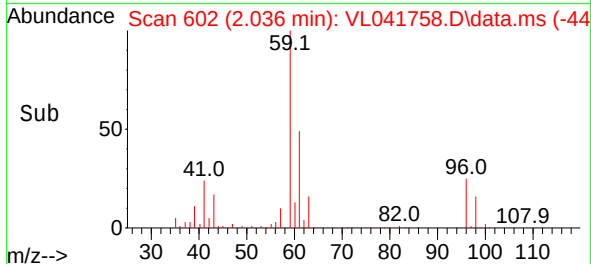
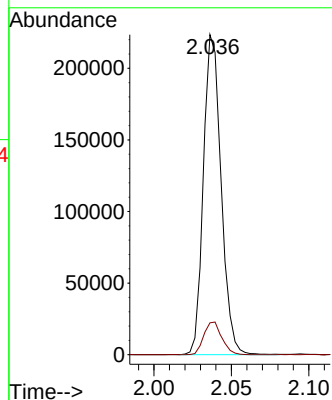
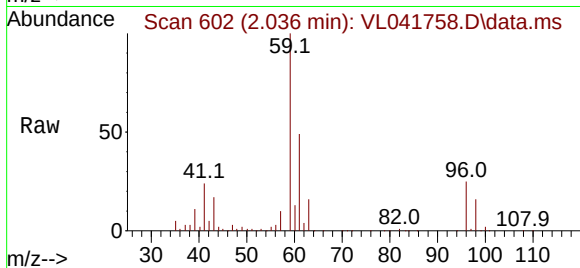
VSTDIC015

Tgt Ion: 59 Resp: 177908

Ion Ratio Lower Upper

59 100

57 10.4 8.6 13.0



#18

1,1-Dichloroethene

Concen: 14.705 ppbv

RT: 2.033 min Scan# 601

Delta R.T. -0.000 min

Lab File: VL041758.D

Acq: 16 Dec 2024 16:41

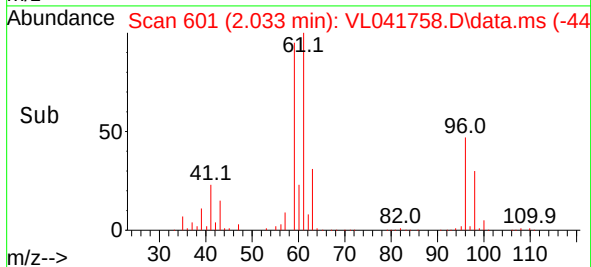
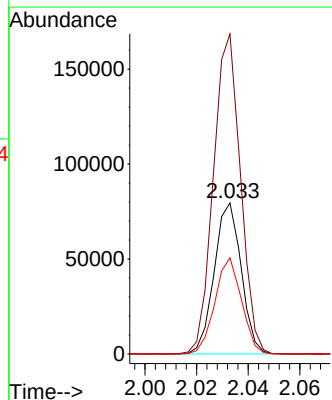
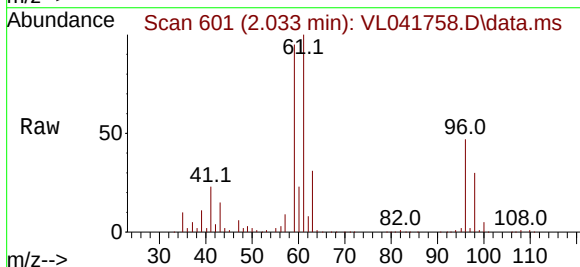
Tgt Ion: 96 Resp: 57770

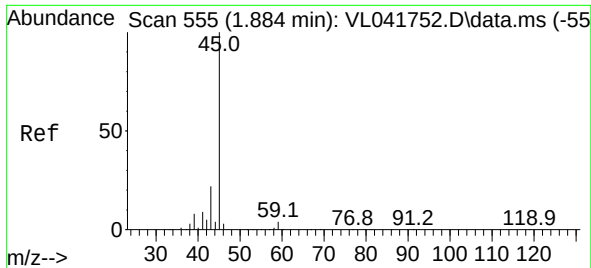
Ion Ratio Lower Upper

96 100

61 211.8 167.7 251.5

98 63.6 51.1 76.7





#19

Isopropyl Alcohol

Concen: 10.802 ppbv

RT: 1.884 min Scan# 555

Delta R.T. -0.000 min

Lab File: VL041758.D

Acq: 16 Dec 2024 16:41

Instrument :

MSVOA_L

ClientSampleId :

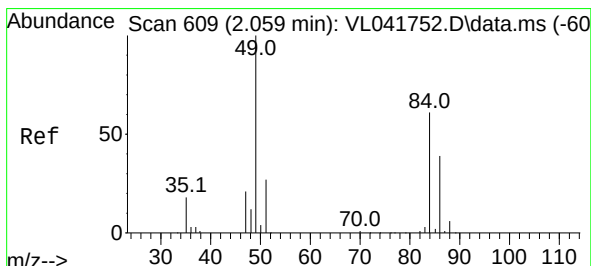
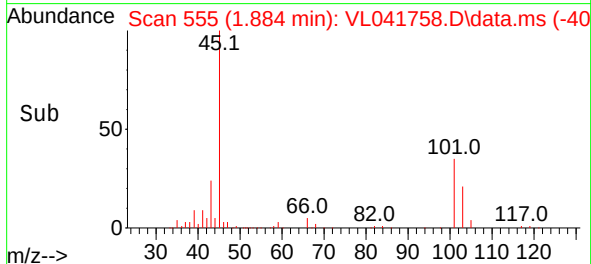
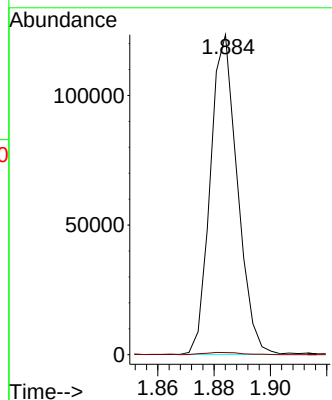
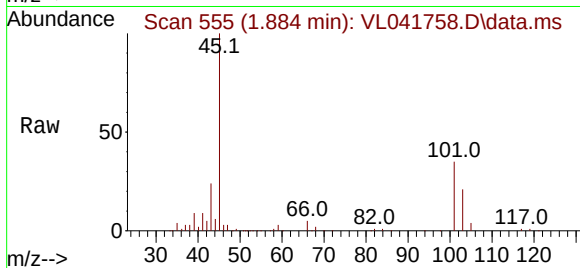
VSTDIC015

Tgt Ion: 45 Resp: 82211

Ion Ratio Lower Upper

45 100

58 42.5 33.3 49.9



#20

Methylene Chloride

Concen: 13.371 ppbv

RT: 2.059 min Scan# 609

Delta R.T. -0.000 min

Lab File: VL041758.D

Acq: 16 Dec 2024 16:41

Tgt Ion: 84 Resp: 48356

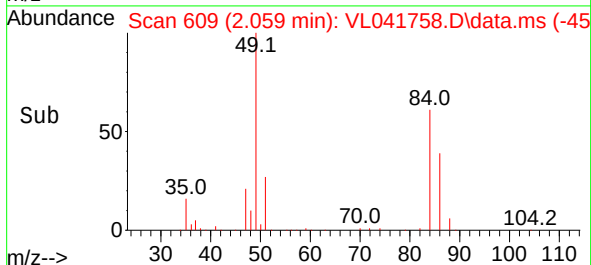
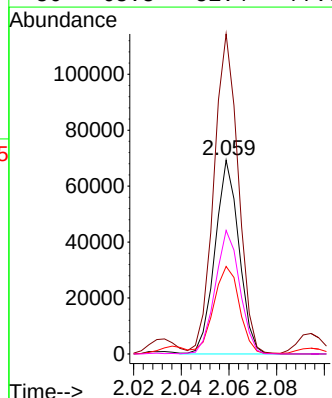
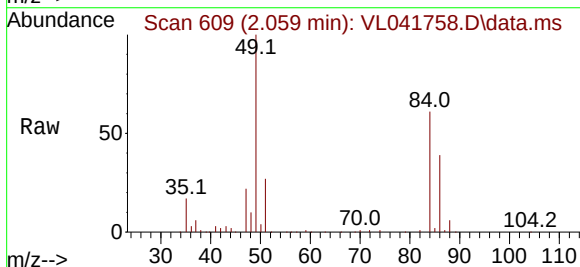
Ion Ratio Lower Upper

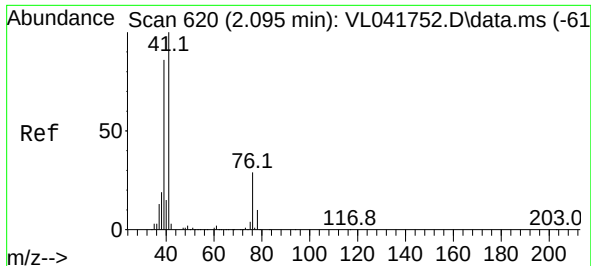
84 100

49 164.9 132.6 198.8

51 44.9 37.6 56.4

86 63.8 51.4 77.0





#21

Allyl Chloride

Concen: 14.760 ppbv

RT: 2.094 min Scan# 61

Delta R.T. -0.000 min

Lab File: VL041758.D

Acq: 16 Dec 2024 16:41

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

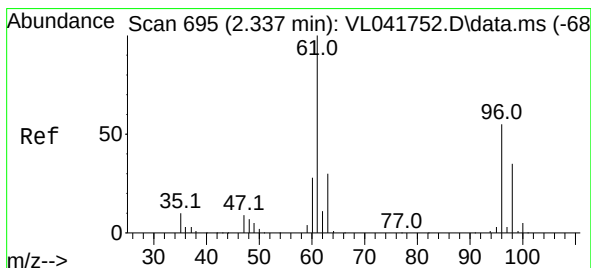
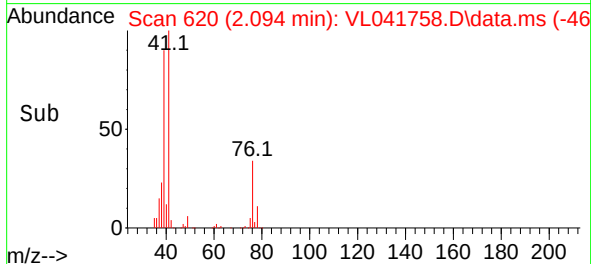
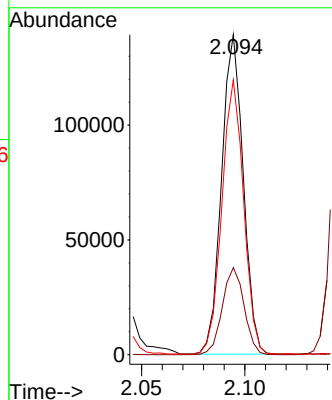
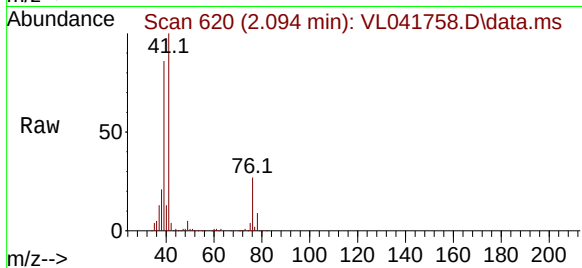
Tgt Ion: 41 Resp: 101528

Ion Ratio Lower Upper

41 100

76 27.3 22.3 33.5

39 86.2 69.2 103.8



#22

trans-1,2-Dichloroethene

Concen: 14.461 ppbv

RT: 2.337 min Scan# 695

Delta R.T. -0.000 min

Lab File: VL041758.D

Acq: 16 Dec 2024 16:41

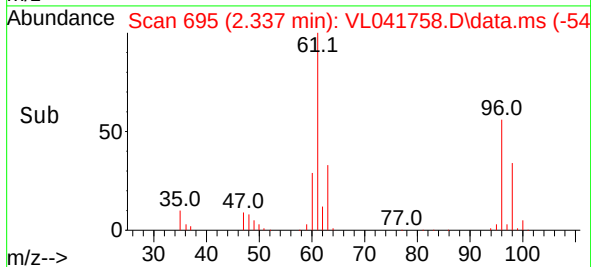
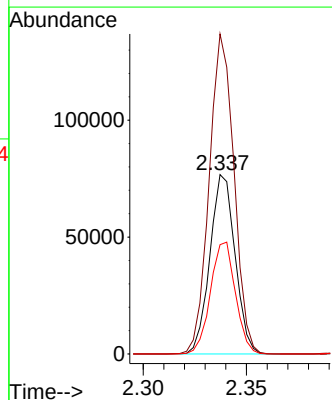
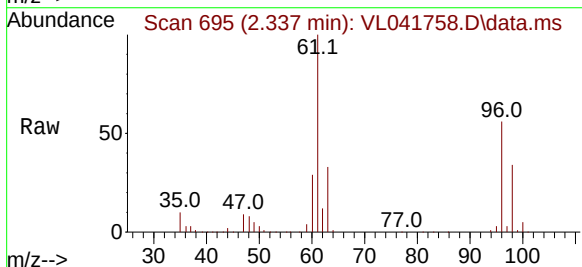
Tgt Ion: 96 Resp: 65029

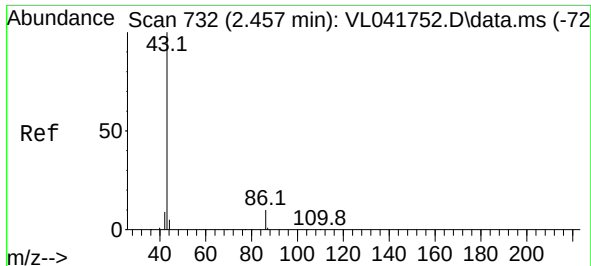
Ion Ratio Lower Upper

96 100

61 178.4 146.3 219.5

98 60.9 50.8 76.2

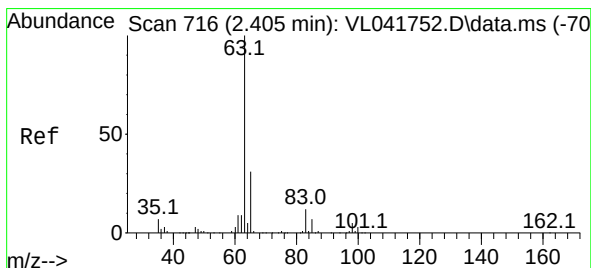
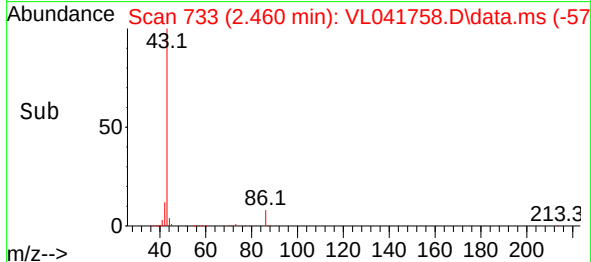
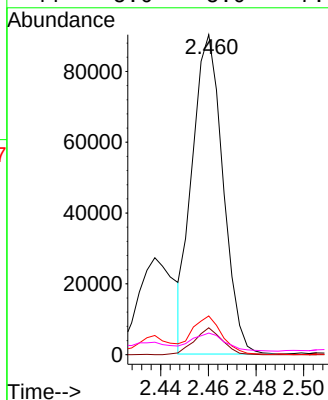
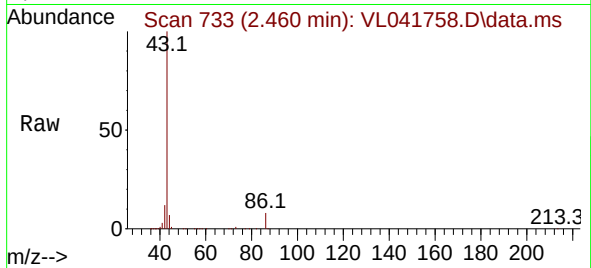




#23
 Vinyl Acetate
 Concen: 14.661 ppbv
 RT: 2.460 min Scan# 716
 Delta R.T. 0.003 min
 Lab File: VL041758.D
 Acq: 16 Dec 2024 16:41

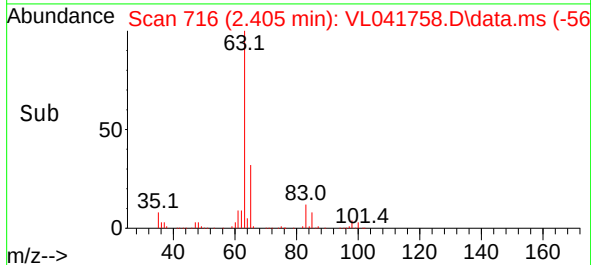
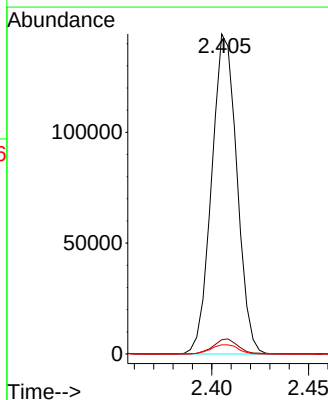
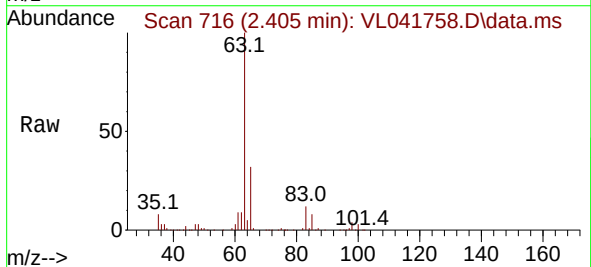
Instrument :
 MSVOA_1
 ClientSampleId :
 VSTDIC015

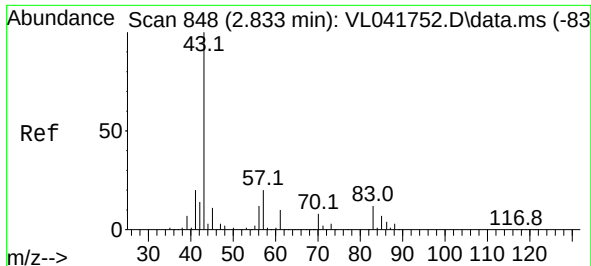
Tgt Ion:	43	Resp:	80795
Ion	Ratio	Lower	Upper
43	100		
86	8.4	6.6	10.0
42	11.8	8.2	12.2
44	5.6	5.0	7.4



#24
 1,1-Dichloroethane
 Concen: 14.394 ppbv
 RT: 2.405 min Scan# 716
 Delta R.T. -0.000 min
 Lab File: VL041758.D
 Acq: 16 Dec 2024 16:41

Tgt Ion:	63	Resp:	131030
Ion	Ratio	Lower	Upper
63	100		
98	4.5	2.3	6.8
100	2.8	1.4	4.2

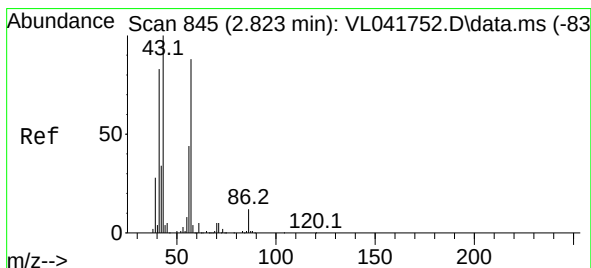
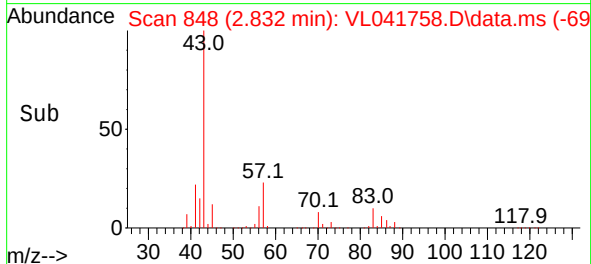
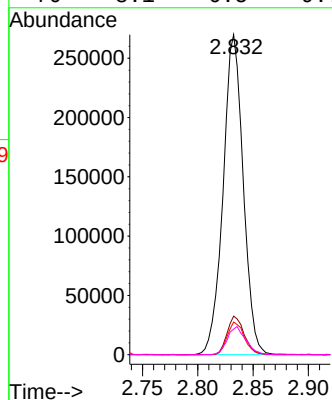
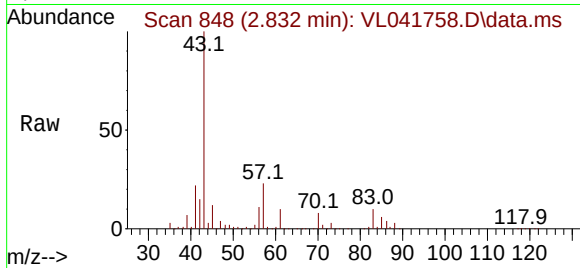




#25
Ethyl Acetate
Concen: 14.402 ppbv
RT: 2.832 min Scan# 848
Delta R.T. -0.000 min
Lab File: VL041758.D
Acq: 16 Dec 2024 16:41

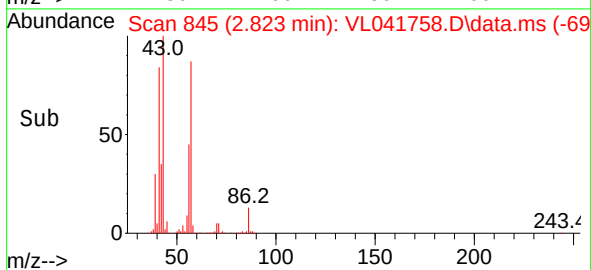
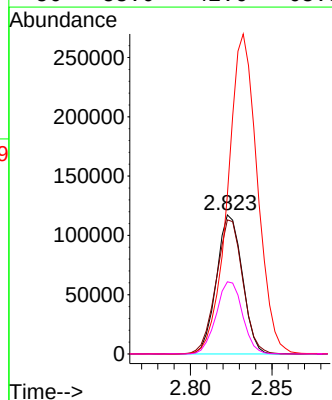
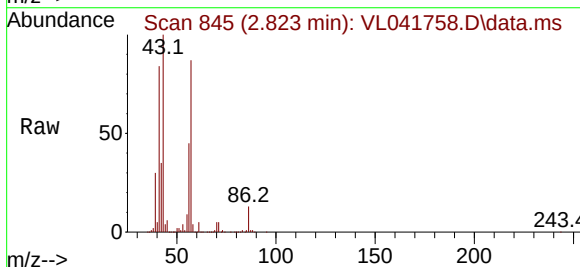
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

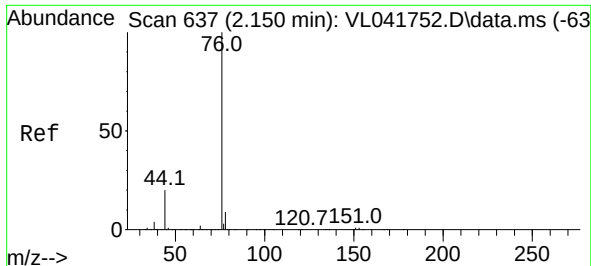
Tgt Ion:	43	Resp:	341429
Ion	Ratio	Lower	Upper
43	100		
45	10.3	8.1	12.1
61	8.7	7.0	10.6
70	8.1	6.5	9.7



#26
Hexane
Concen: 14.369 ppbv
RT: 2.823 min Scan# 845
Delta R.T. -0.000 min
Lab File: VL041758.D
Acq: 16 Dec 2024 16:41

Tgt Ion:	57	Resp:	128657
Ion	Ratio	Lower	Upper
57	100		
41	100.1	79.6	119.4
43	265.4	211.0	316.6
56	53.0	42.6	63.8





#27

Carbon Disulfide

Concen: 16.726 ppbv

RT: 2.149 min Scan# 61

Delta R.T. -0.000 min

Lab File: VL041758.D

Acq: 16 Dec 2024 16:41

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

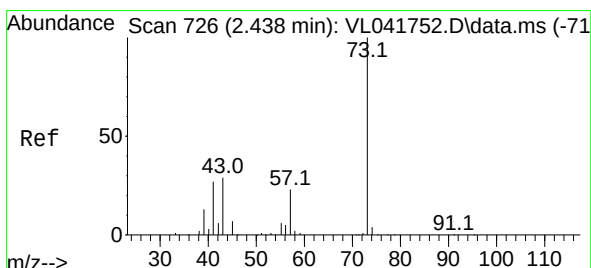
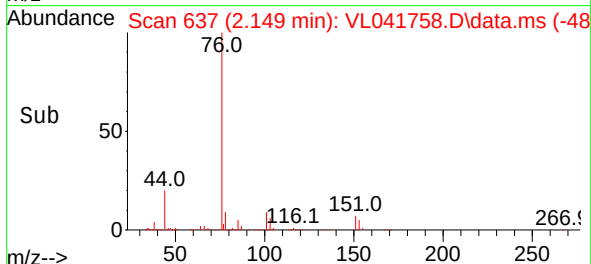
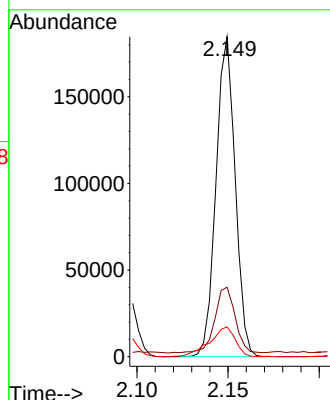
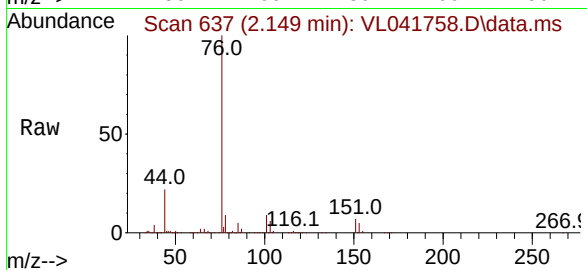
Tgt Ion: 76 Resp: 134963

Ion Ratio Lower Upper

76 100

44 22.4 17.6 26.4

78 12.5 10.2 15.4



#28

Methyl tert-Butyl Ether

Concen: 13.871 ppbv

RT: 2.438 min Scan# 726

Delta R.T. -0.000 min

Lab File: VL041758.D

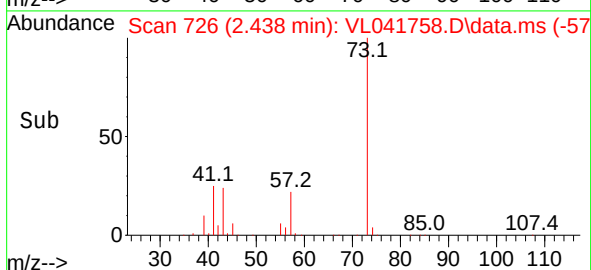
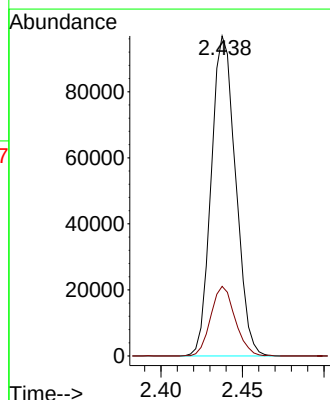
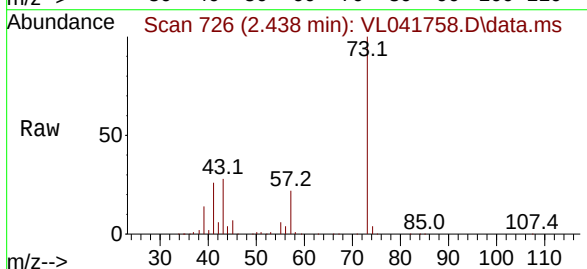
Acq: 16 Dec 2024 16:41

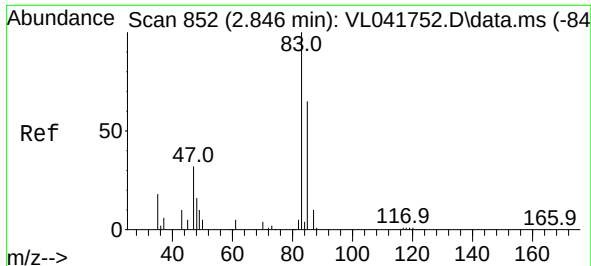
Tgt Ion: 73 Resp: 100758

Ion Ratio Lower Upper

73 100

57 21.8 17.6 26.4





#29

Chloroform

Concen: 14.489 ppbv

RT: 2.845 min Scan# 852

Delta R.T. -0.000 min

Lab File: VL041758.D

Acq: 16 Dec 2024 16:41

Instrument :

MSVOA_L

ClientSampleId :

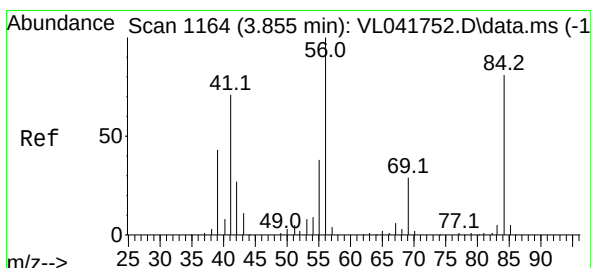
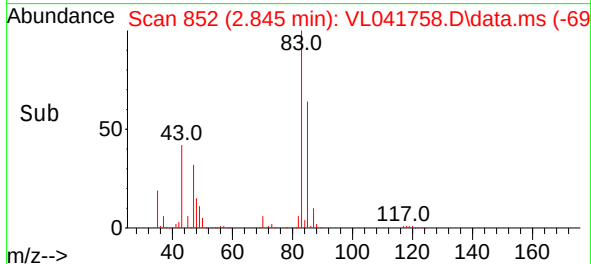
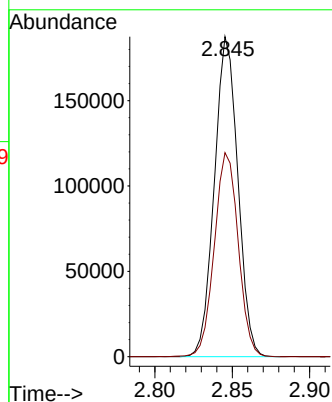
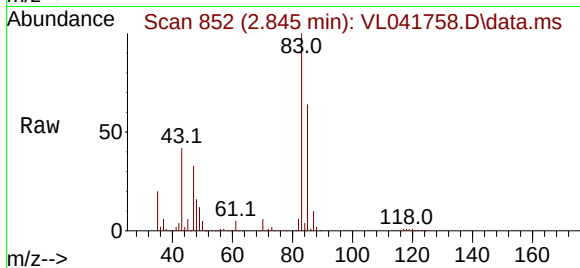
VSTDIC015

Tgt Ion: 83 Resp: 197713

Ion Ratio Lower Upper

83 100

85 63.7 51.8 77.6



#30

Cyclohexane

Concen: 14.497 ppbv

RT: 3.855 min Scan# 1164

Delta R.T. -0.000 min

Lab File: VL041758.D

Acq: 16 Dec 2024 16:41

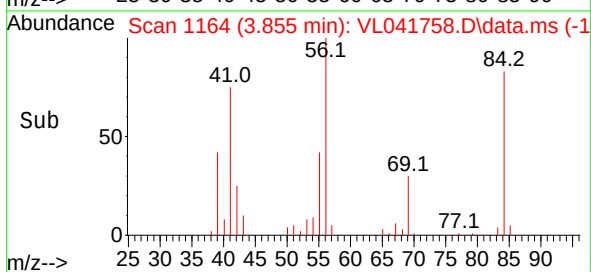
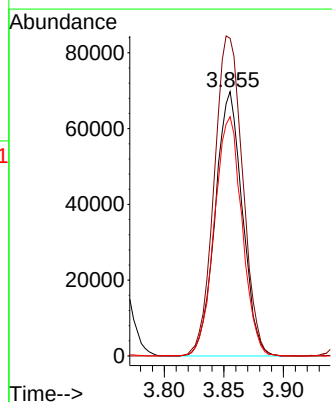
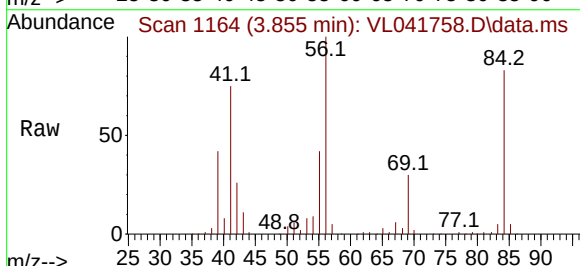
Tgt Ion: 84 Resp: 110448

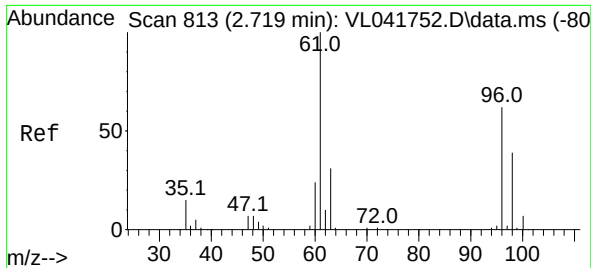
Ion Ratio Lower Upper

84 100

56 126.9 102.3 153.5

41 92.2 74.0 111.0

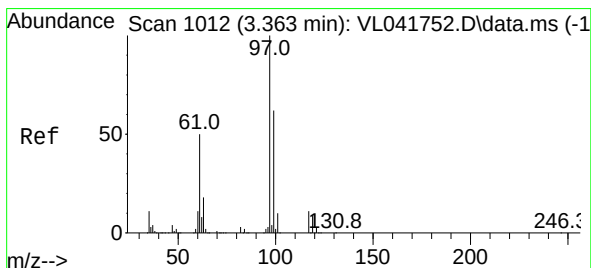
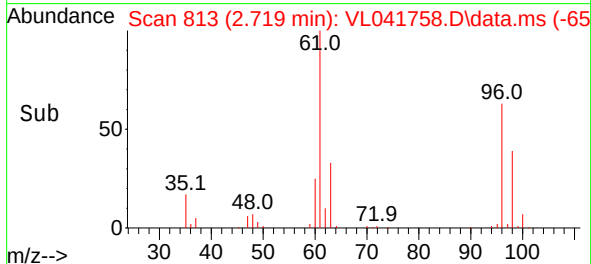
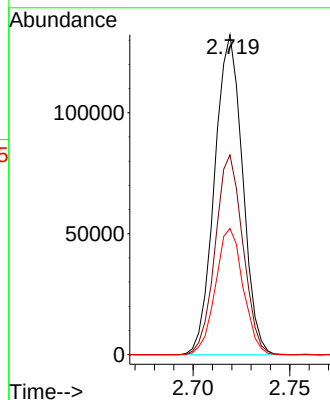
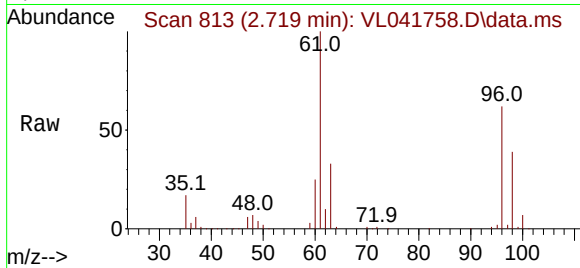




#31
 cis-1,2-Dichloroethene
 Concen: 14.355 ppbv
 RT: 2.719 min Scan# 81
 Delta R.T. -0.000 min
 Lab File: VL041758.D
 Acq: 16 Dec 2024 16:41

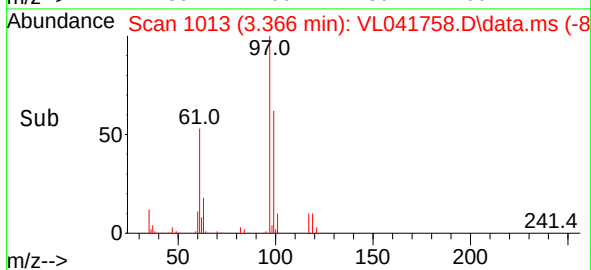
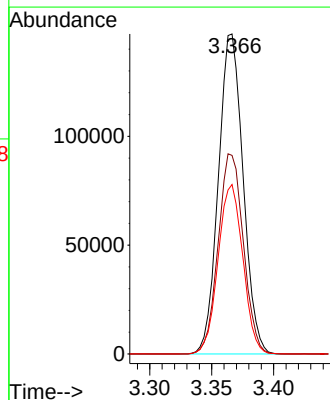
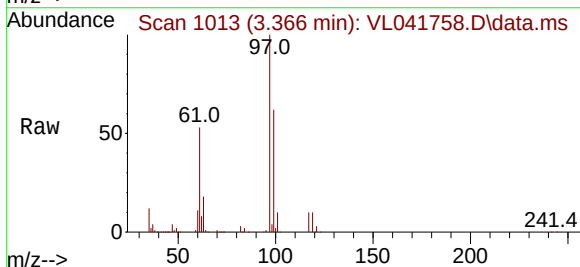
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

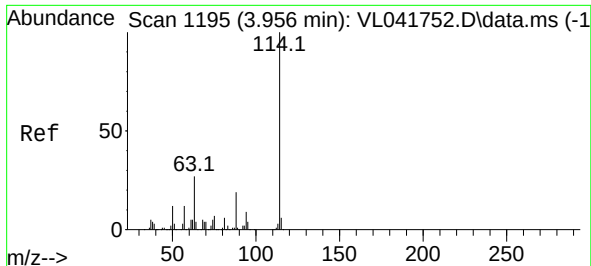
Tgt Ion: 61 Resp: 132821
 Ion Ratio Lower Upper
 61 100
 96 62.4 49.7 74.5
 98 39.4 30.8 46.2



#32
 1,1,1-Trichloroethane
 Concen: 15.055 ppbv
 RT: 3.366 min Scan# 1013
 Delta R.T. 0.003 min
 Lab File: VL041758.D
 Acq: 16 Dec 2024 16:41

Tgt Ion: 97 Resp: 204468
 Ion Ratio Lower Upper
 97 100
 99 63.6 51.0 76.4
 61 53.1 42.2 63.2





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.955 min Scan# 1195

Delta R.T. -0.000 min

Lab File: VL041758.D

Acq: 16 Dec 2024 16:41

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC015

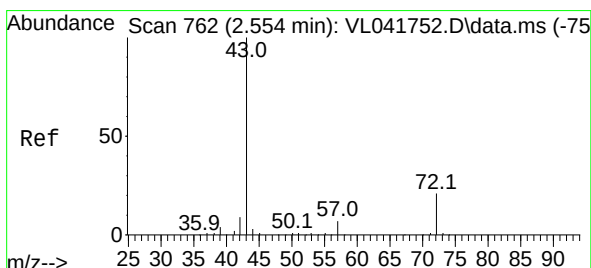
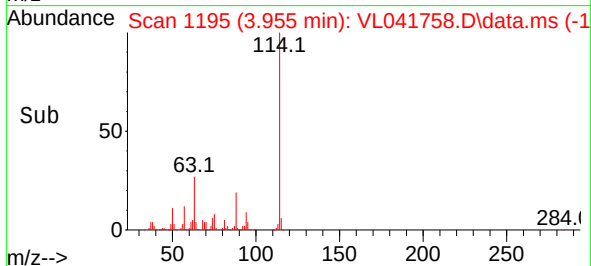
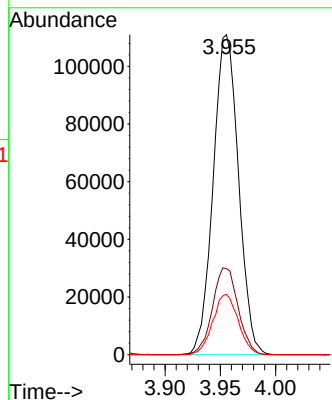
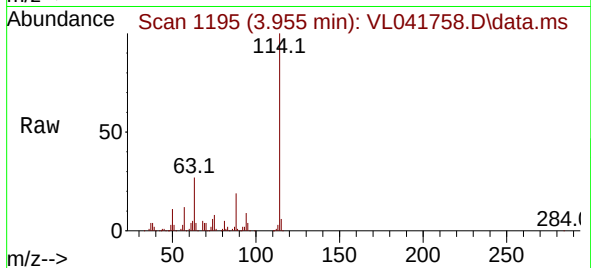
Tgt Ion:114 Resp: 176856

Ion Ratio Lower Upper

114 100

63 27.5 21.8 32.8

88 18.9 14.8 22.2



#34

2-Butanone

Concen: 13.736 ppbv

RT: 2.554 min Scan# 762

Delta R.T. -0.000 min

Lab File: VL041758.D

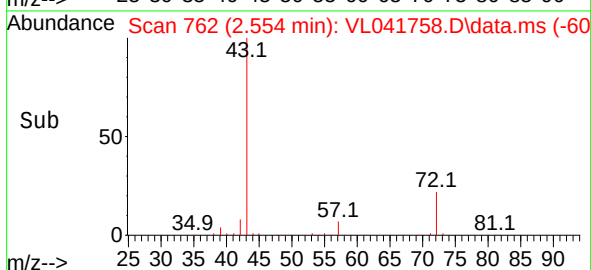
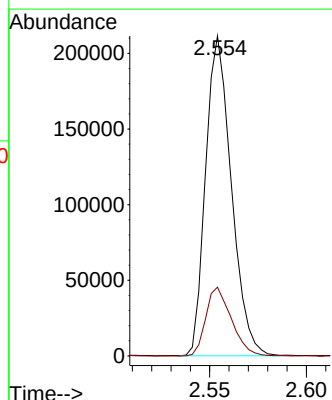
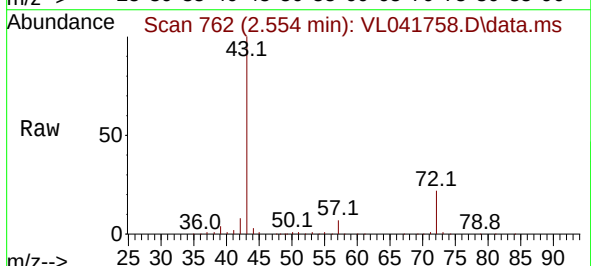
Acq: 16 Dec 2024 16:41

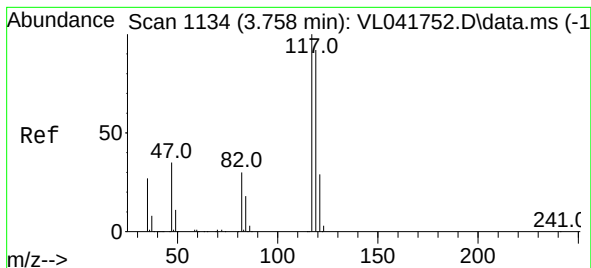
Tgt Ion: 43 Resp: 195439

Ion Ratio Lower Upper

43 100

72 21.4 16.8 25.2





#35

Carbon Tetrachloride

Concen: 16.428 ppbv

RT: 3.761 min Scan# 1135

Delta R.T. 0.003 min

Lab File: VL041758.D

Acq: 16 Dec 2024 16:41

Instrument :

MSVOA_1

ClientSampleId :

VSTDIC015

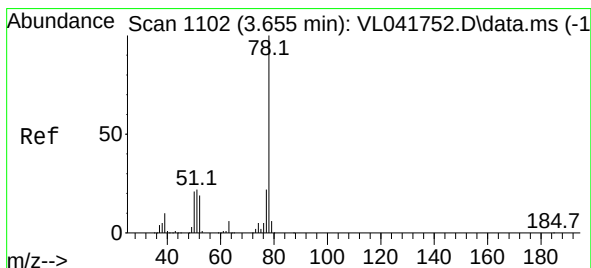
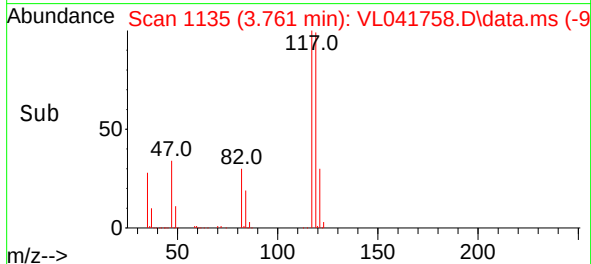
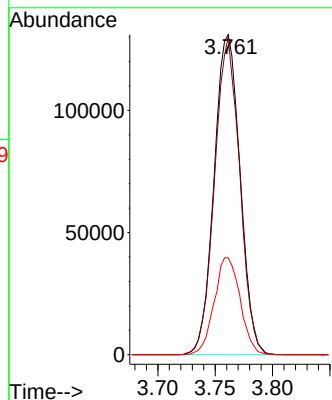
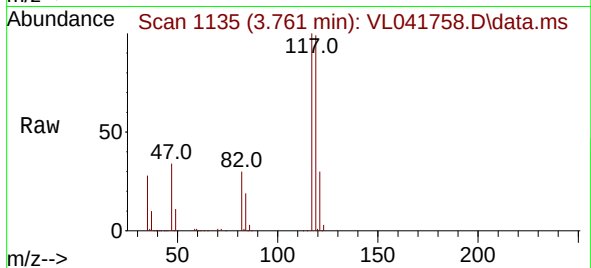
Tgt Ion:117 Resp: 206252

Ion Ratio Lower Upper

117 100

119 99.2 73.7 110.5

121 30.3 23.0 34.4



#36

Benzene

Concen: 14.192 ppbv

RT: 3.654 min Scan# 1102

Delta R.T. -0.000 min

Lab File: VL041758.D

Acq: 16 Dec 2024 16:41

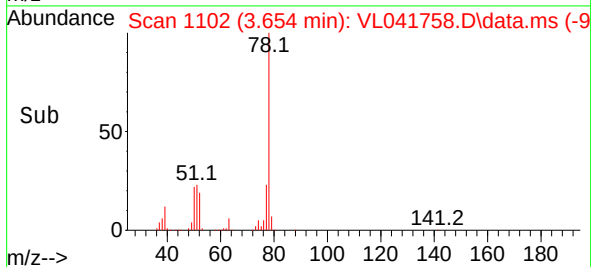
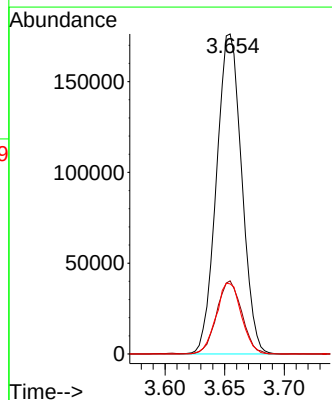
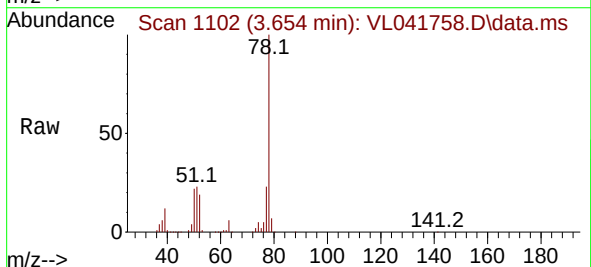
Tgt Ion: 78 Resp: 259630

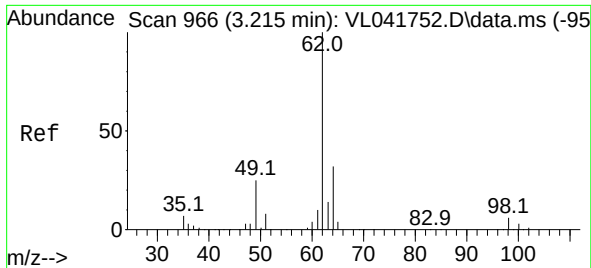
Ion Ratio Lower Upper

78 100

77 22.8 17.8 26.6

50 21.9 17.2 25.8

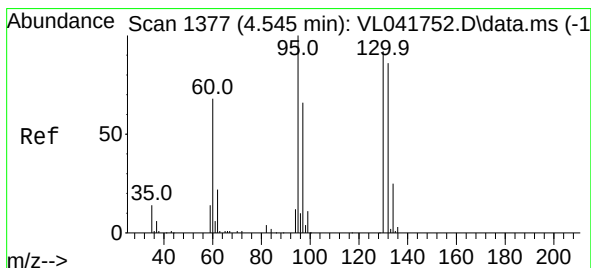
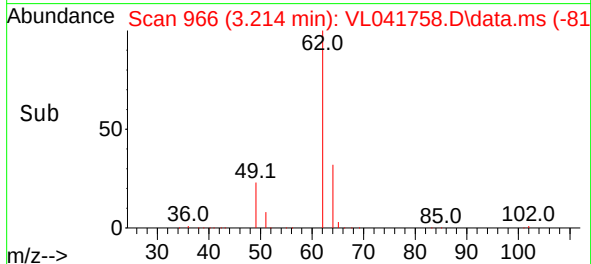
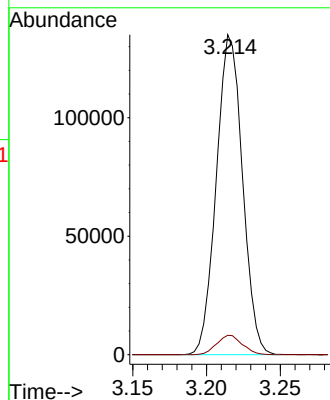
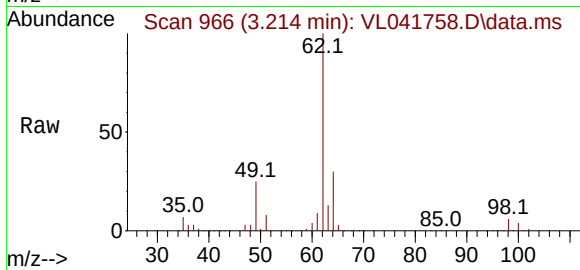




#37
1,2-Dichloroethane
Concen: 14.633 ppbv
RT: 3.214 min Scan# 90
Delta R.T. -0.000 min
Lab File: VL041758.D
Acq: 16 Dec 2024 16:41

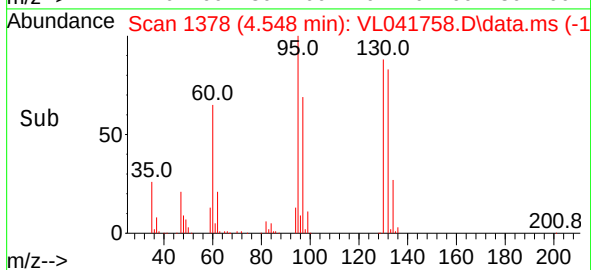
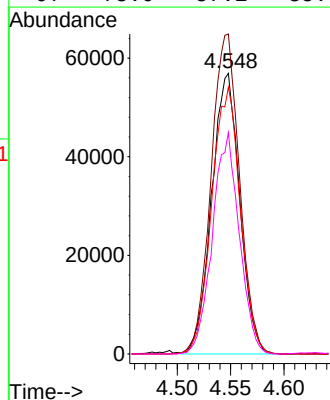
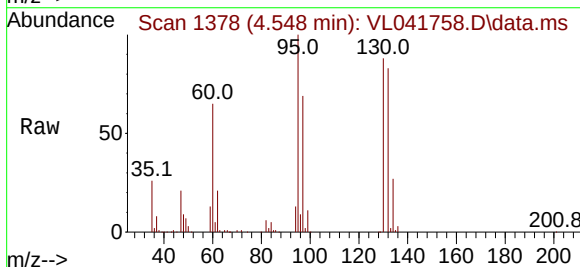
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC015

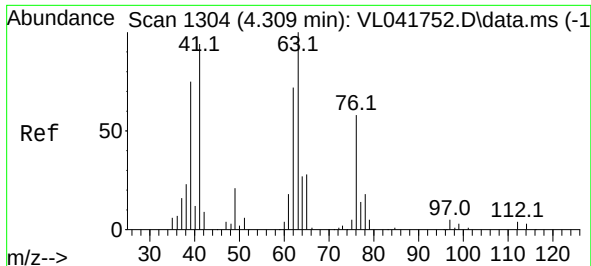
Tgt Ion: 62 Resp: 166576
Ion Ratio Lower Upper
62 100
98 5.9 4.7 7.1



#38
Trichloroethene
Concen: 13.525 ppbv
RT: 4.548 min Scan# 1378
Delta R.T. 0.003 min
Lab File: VL041758.D
Acq: 16 Dec 2024 16:41

Tgt Ion:130 Resp: 104184
Ion Ratio Lower Upper
130 100
95 114.0 87.0 130.6
132 95.0 75.0 112.6
97 78.9 57.2 85.8





#39

1,2-Dichloropropane

Concen: 14.150 ppbv

RT: 4.312 min Scan# 1305

Delta R.T. 0.003 min

Lab File: VL041758.D

Acq: 16 Dec 2024 16:41

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

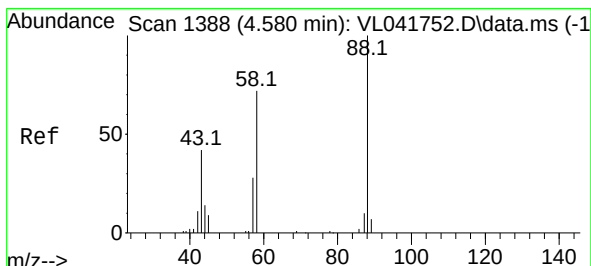
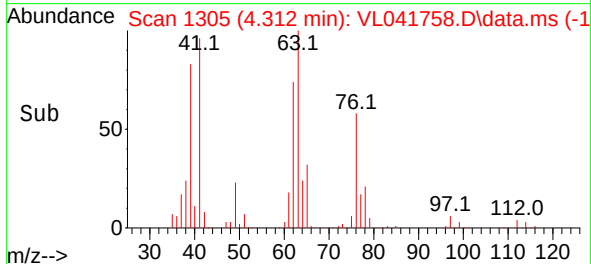
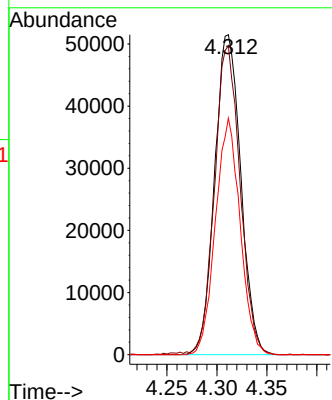
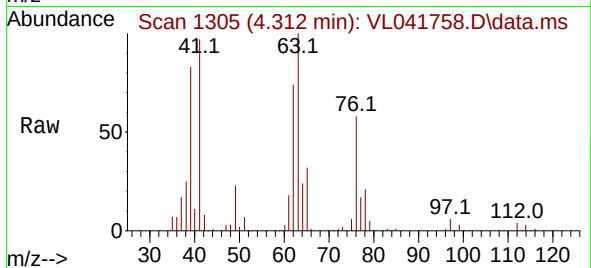
Tgt Ion: 63 Resp: 93624

Ion Ratio Lower Upper

63 100

41 96.6 75.3 112.9

62 73.9 57.3 85.9



#40

1,4-Dioxane

Concen: 13.730 ppbv

RT: 4.577 min Scan# 1387

Delta R.T. -0.003 min

Lab File: VL041758.D

Acq: 16 Dec 2024 16:41

Tgt Ion: 88 Resp: 44377

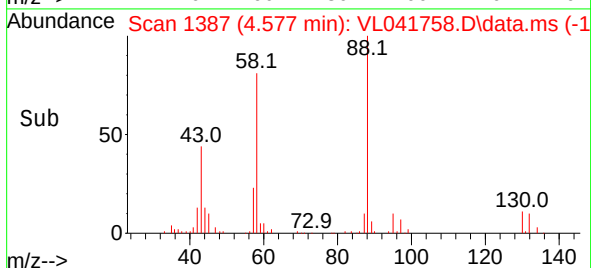
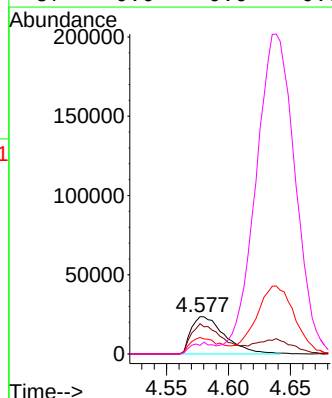
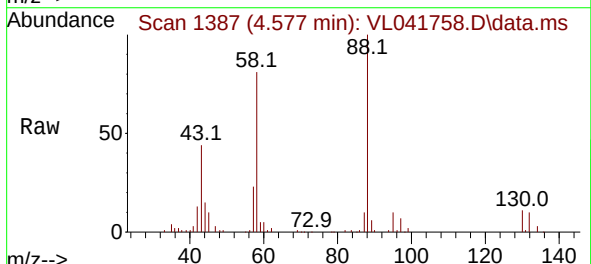
Ion Ratio Lower Upper

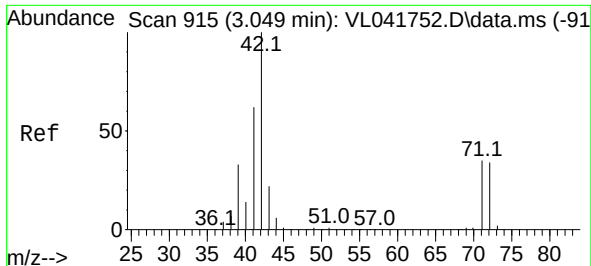
88 100

58 77.8 61.0 91.6

43 42.4 29.4 44.0

57 0.0 0.0 0.0

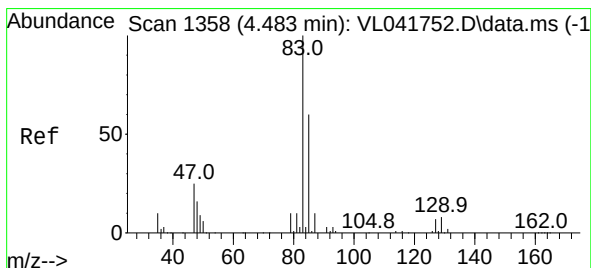
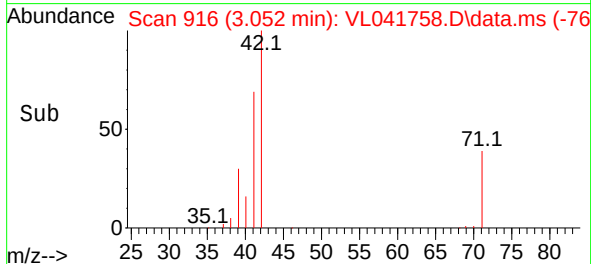
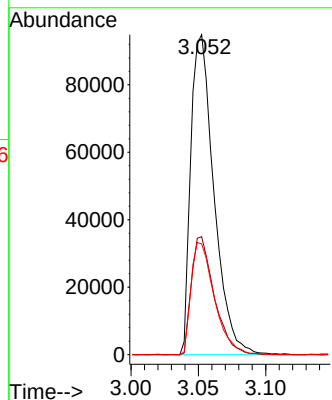
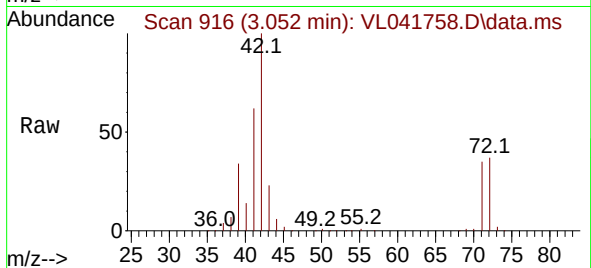




#41
Tetrahydrofuran
Concen: 14.254 ppbv
RT: 3.052 min Scan# 915
Delta R.T. 0.003 min
Lab File: VL041758.D
Acq: 16 Dec 2024 16:41

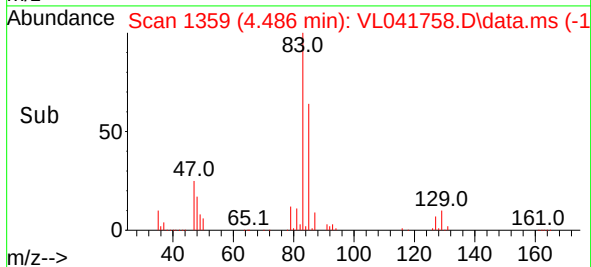
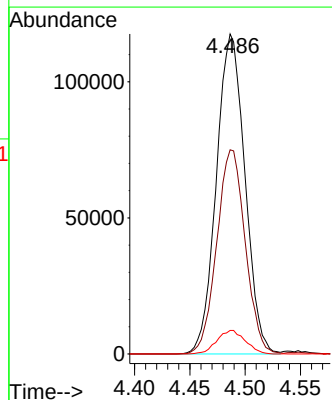
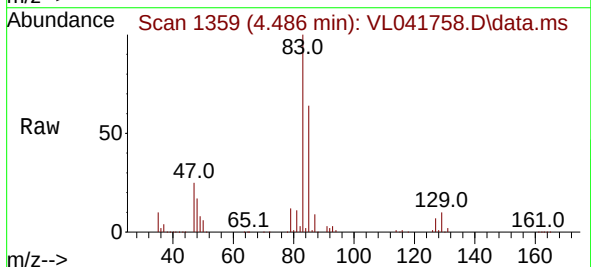
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

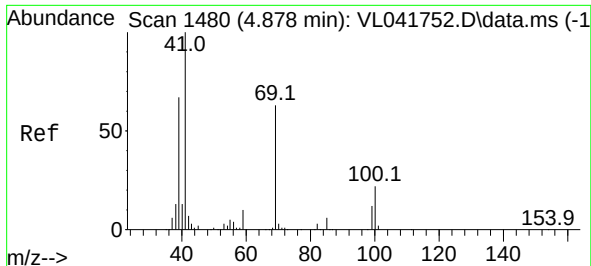
Tgt Ion: 42 Resp: 113618
Ion Ratio Lower Upper
42 100
72 36.4 29.1 43.7
71 35.3 28.4 42.6



#42
Bromodichloromethane
Concen: 16.123 ppbv
RT: 4.486 min Scan# 1359
Delta R.T. 0.003 min
Lab File: VL041758.D
Acq: 16 Dec 2024 16:41

Tgt Ion: 83 Resp: 211145
Ion Ratio Lower Upper
83 100
85 63.7 48.0 72.0
127 7.3 5.8 8.8





#43

Methyl Methacrylate

Concen: 15.374 ppbv

RT: 4.878 min Scan# 1480

Delta R.T. -0.000 min

Lab File: VL041758.D

Acq: 16 Dec 2024 16:41

Instrument :

MSVOA_1

ClientSampleId :

VSTDICC015

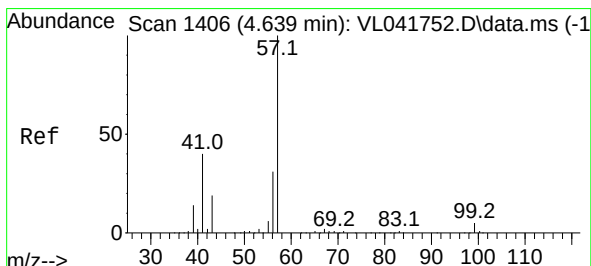
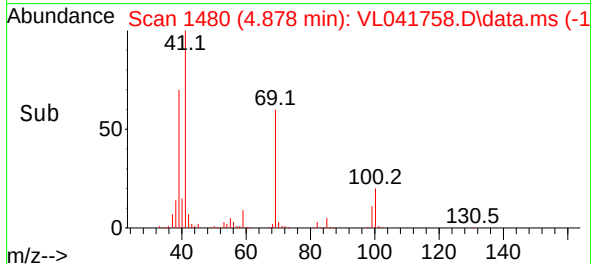
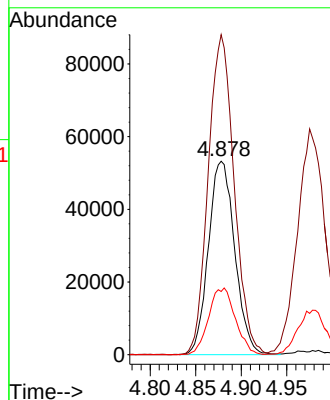
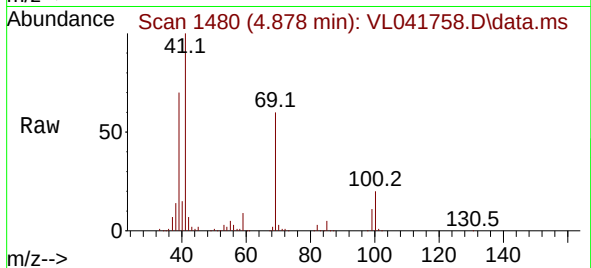
Tgt Ion: 69 Resp: 107165

Ion Ratio Lower Upper

69 100

41 162.6 130.3 195.5

100 35.0 28.3 42.5



#44

2,2,4-Trimethylpentane

Concen: 14.274 ppbv

RT: 4.638 min Scan# 1406

Delta R.T. -0.000 min

Lab File: VL041758.D

Acq: 16 Dec 2024 16:41

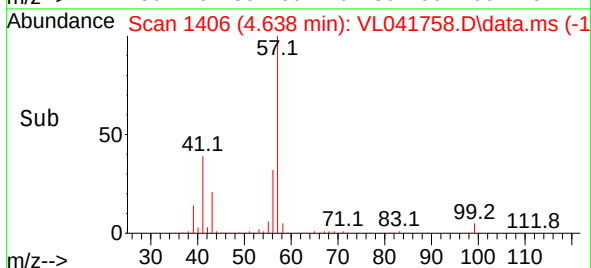
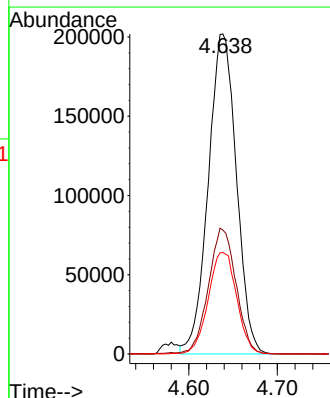
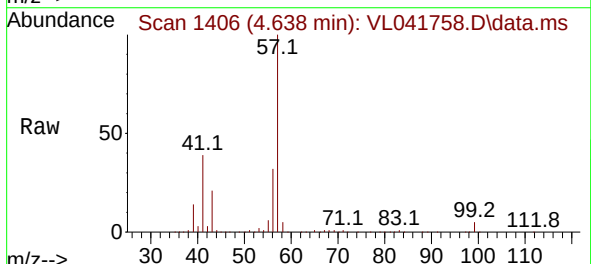
Tgt Ion: 57 Resp: 445947

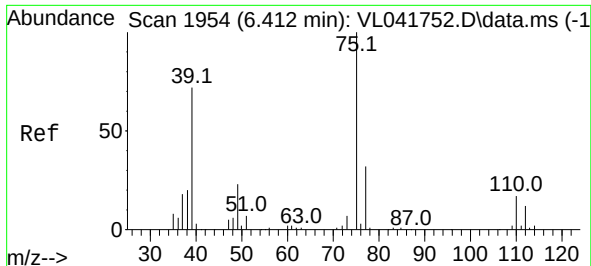
Ion Ratio Lower Upper

57 100

41 38.8 30.7 46.1

56 32.1 25.4 38.0





#45

t-1,3-Dichloropropene

Concen: 15.973 ppbv

RT: 6.409 min Scan# 1

Delta R.T. -0.003 min

Lab File: VL041758.D

Acq: 16 Dec 2024 16:41

Instrument :

MSVOA_L

ClientSampleId :

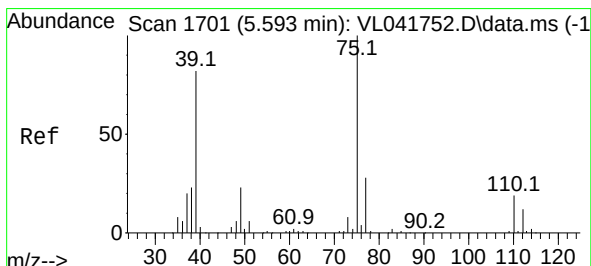
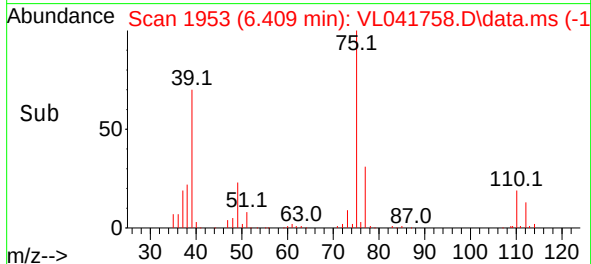
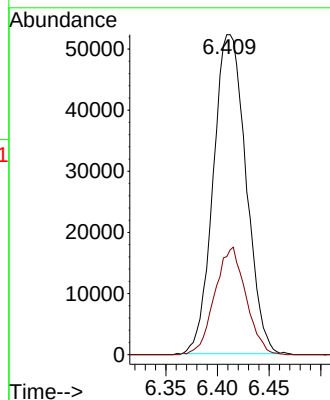
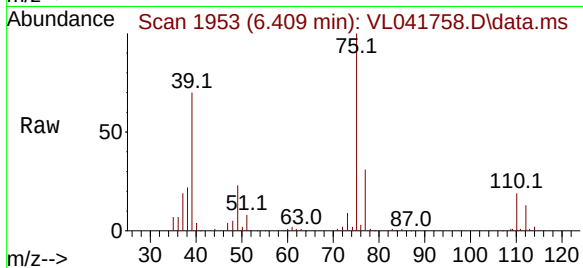
VSTDIC015

Tgt Ion: 75 Resp: 115159

Ion Ratio Lower Upper

75 100

77 30.6 25.9 38.9



#46

cis-1,3-Dichloropropene

Concen: 15.643 ppbv

RT: 5.600 min Scan# 1703

Delta R.T. 0.006 min

Lab File: VL041758.D

Acq: 16 Dec 2024 16:41

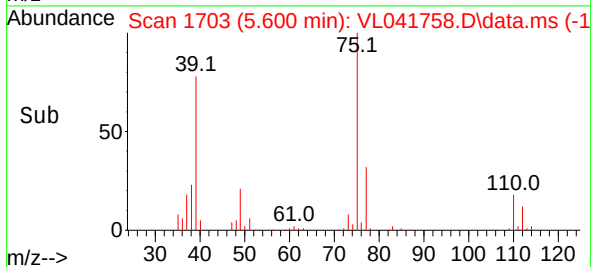
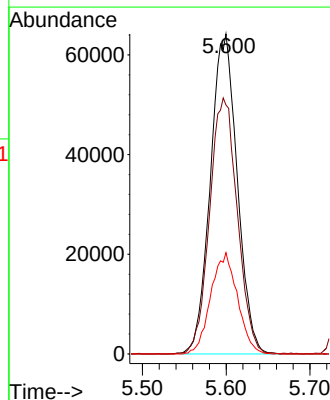
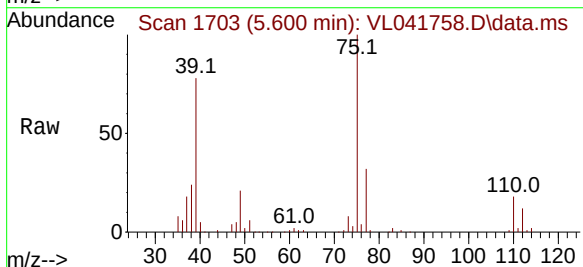
Tgt Ion: 75 Resp: 143172

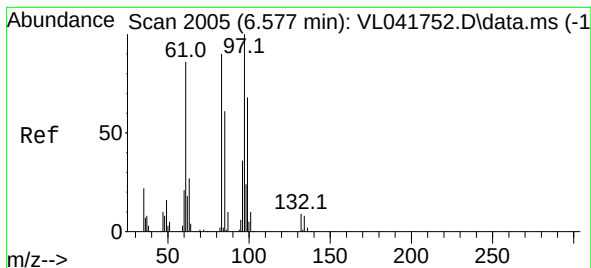
Ion Ratio Lower Upper

75 100

39 77.8 65.2 97.8

77 31.6 22.0 33.0





#47

1,1,2-Trichloroethane

Concen: 14.242 ppbv

RT: 6.580 min Scan# 2005

Delta R.T. 0.003 min

Lab File: VL041758.D

Acq: 16 Dec 2024 16:41

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tgt Ion: 97 Resp: 98426

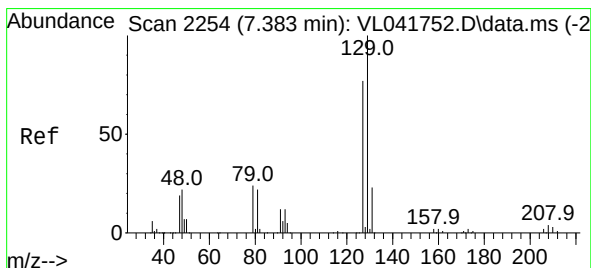
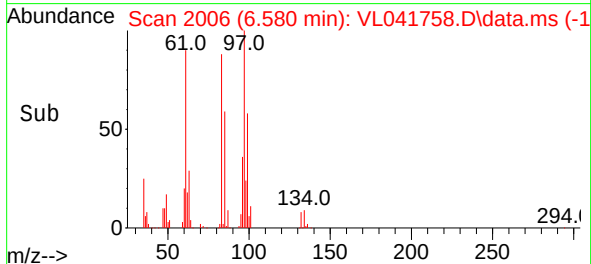
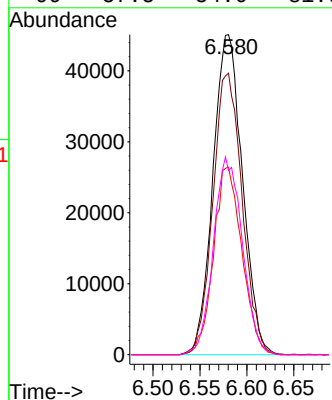
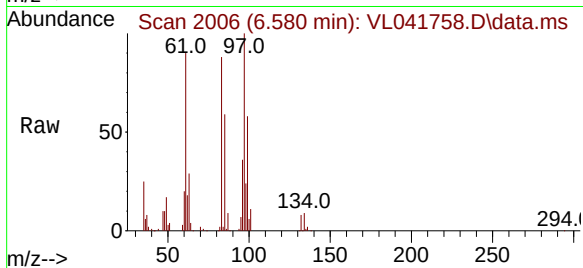
Ion Ratio Lower Upper

97 100

83 88.0 72.3 108.5

85 58.6 48.5 72.7

99 57.5 54.0 81.0



#48

Dibromochloromethane

Concen: 17.131 ppbv

RT: 7.386 min Scan# 2255

Delta R.T. 0.003 min

Lab File: VL041758.D

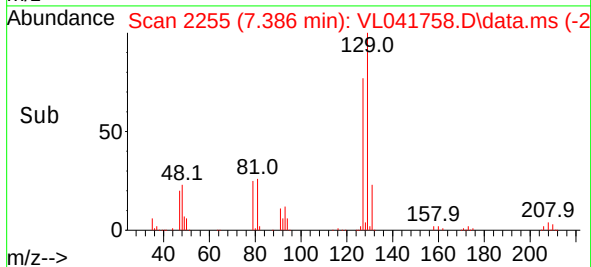
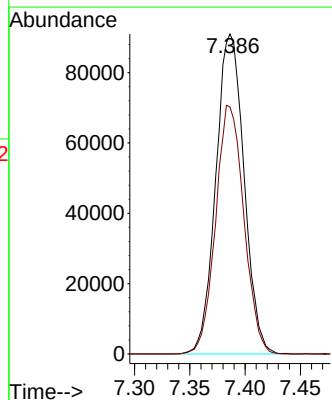
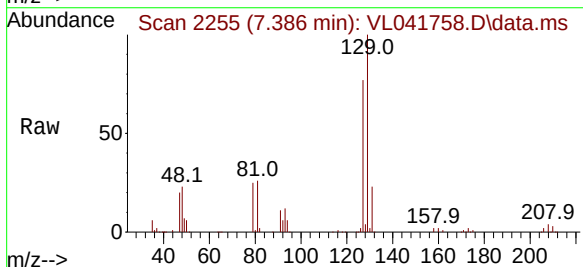
Acq: 16 Dec 2024 16:41

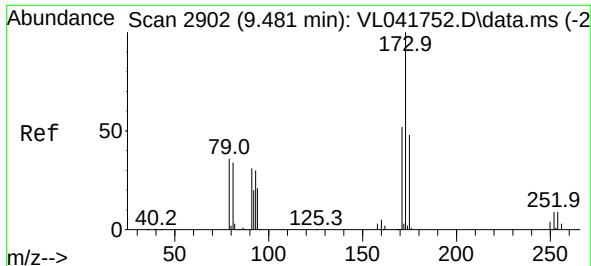
Tgt Ion: 129 Resp: 161661

Ion Ratio Lower Upper

129 100

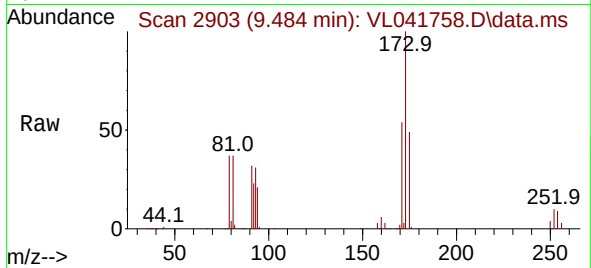
127 77.6 38.8 116.3



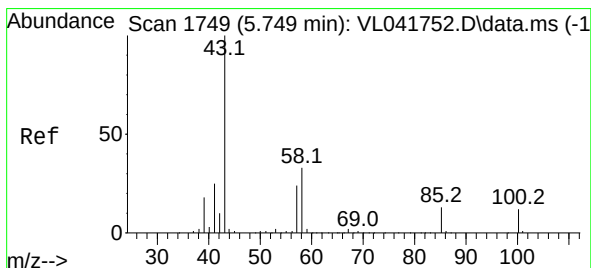
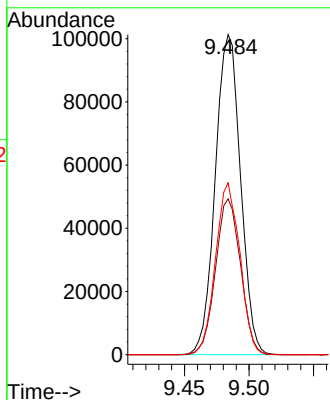
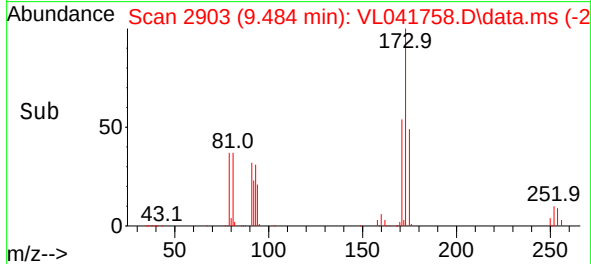


#49
Bromoform
Concen: 17.838 ppbv
RT: 9.484 min Scan# 2903
Delta R.T. 0.003 min
Lab File: VL041758.D
Acq: 16 Dec 2024 16:41

Instrument :
MSVOA_1
ClientSampleId :
VSTDIC015

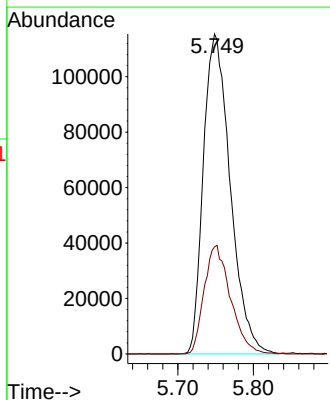
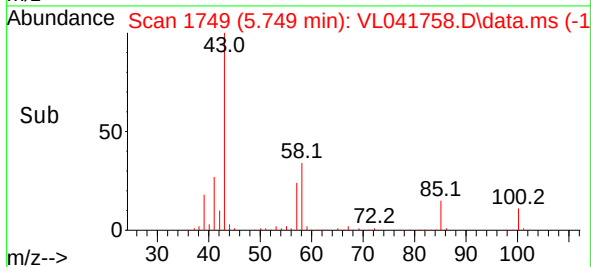
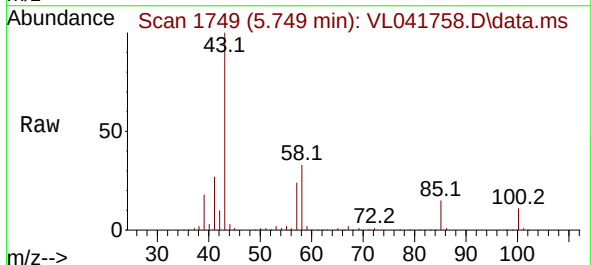


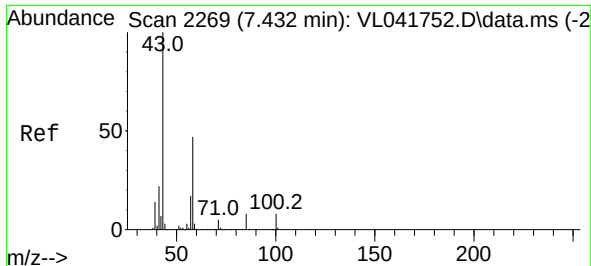
Tgt Ion:173 Resp: 137786
Ion Ratio Lower Upper
173 100
175 48.2 38.2 57.2
171 51.8 41.1 61.7



#50
4-Methyl-2-Pentanone
Concen: 14.735 ppbv
RT: 5.749 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VL041758.D
Acq: 16 Dec 2024 16:41

Tgt Ion: 43 Resp: 285467
Ion Ratio Lower Upper
43 100
58 33.2 26.8 40.2

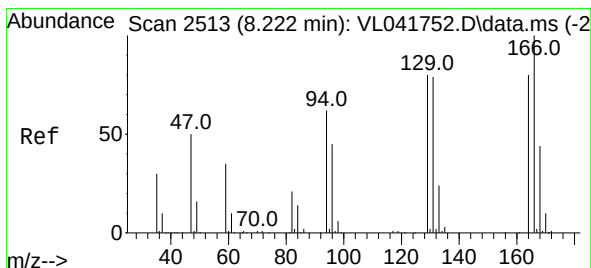
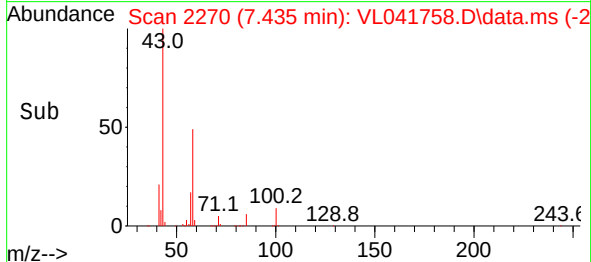
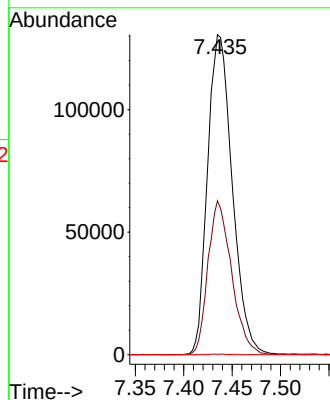
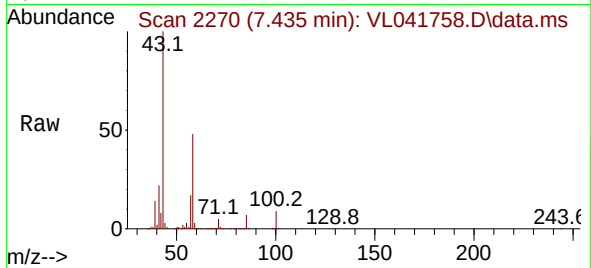




#51
2-Hexanone
Concen: 14.798 ppbv
RT: 7.435 min Scan# 21
Delta R.T. 0.003 min
Lab File: VL041758.D
Acq: 16 Dec 2024 16:41

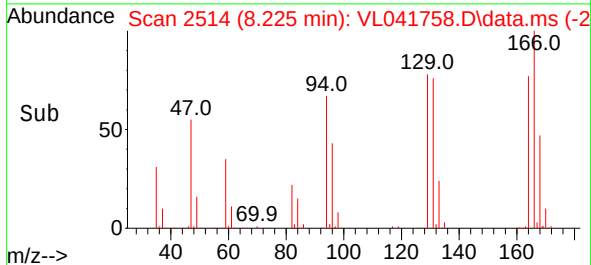
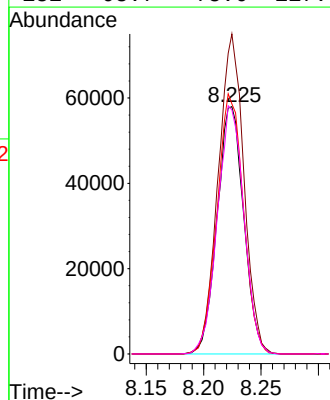
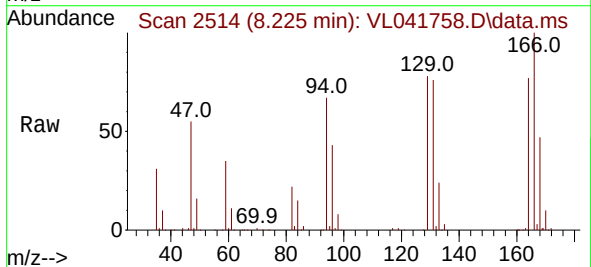
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

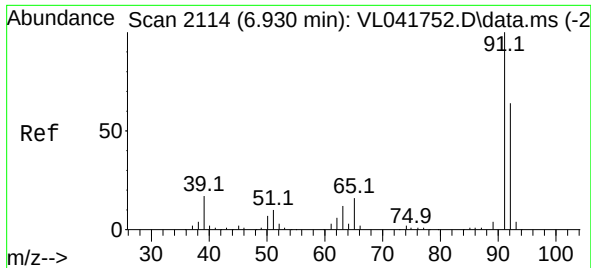
Tgt Ion: 43 Resp: 232363
Ion Ratio Lower Upper
43 100
58 46.0 36.6 55.0
98 0.2 0.1 0.1#



#52
Tetrachloroethene
Concen: 13.675 ppbv
RT: 8.225 min Scan# 2514
Delta R.T. 0.003 min
Lab File: VL041758.D
Acq: 16 Dec 2024 16:41

Tgt Ion: 164 Resp: 93120
Ion Ratio Lower Upper
164 100
166 129.3 99.8 149.6
129 101.1 79.6 119.4
131 98.7 78.6 117.8





#53

Toluene

Concen: 14.533 ppbv

RT: 6.930 min Scan# 2114

Delta R.T. -0.000 min

Lab File: VL041758.D

Acq: 16 Dec 2024 16:41

Instrument :

MSVOA_L

ClientSampleId :

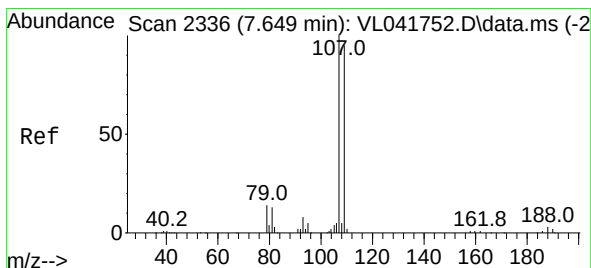
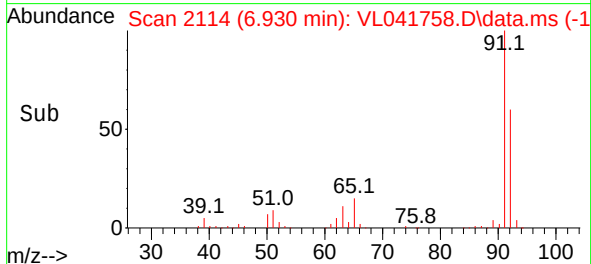
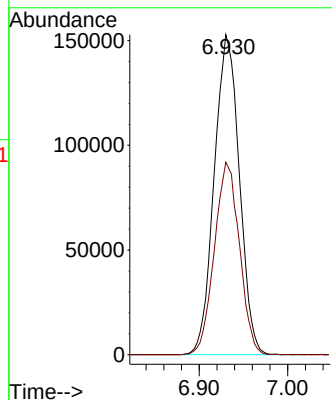
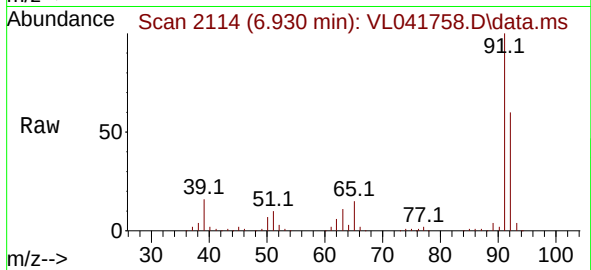
VSTDIC015

Tgt Ion: 91 Resp: 301428

Ion Ratio Lower Upper

91 100

92 59.9 47.9 71.9



#54

1,2-Dibromoethane

Concen: 14.690 ppbv

RT: 7.652 min Scan# 2337

Delta R.T. 0.003 min

Lab File: VL041758.D

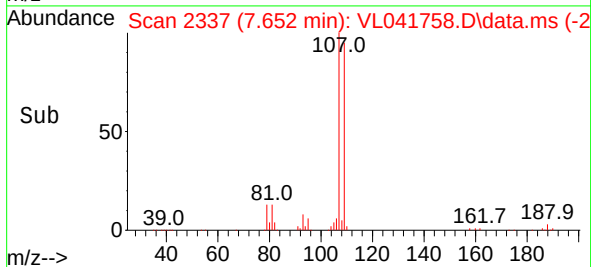
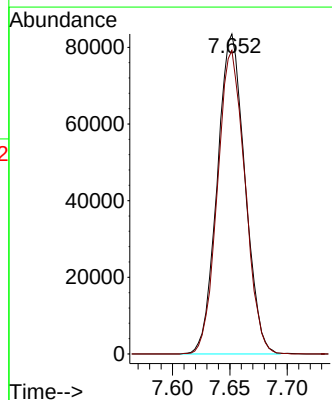
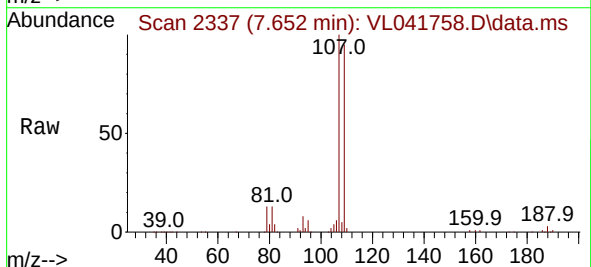
Acq: 16 Dec 2024 16:41

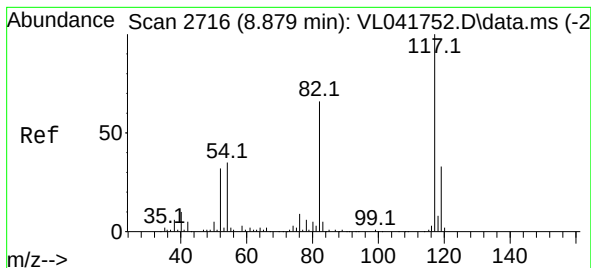
Tgt Ion:107 Resp: 139889

Ion Ratio Lower Upper

107 100

109 94.9 75.9 113.9





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 8.878 min Scan# 2716

Delta R.T. -0.000 min

Lab File: VL041758.D

Acq: 16 Dec 2024 16:41

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

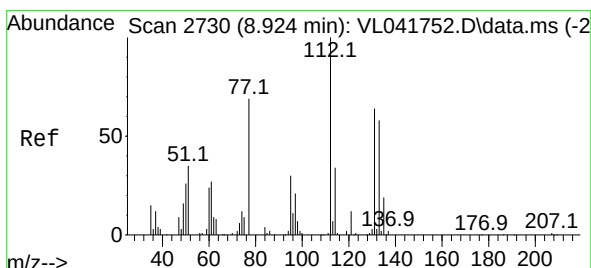
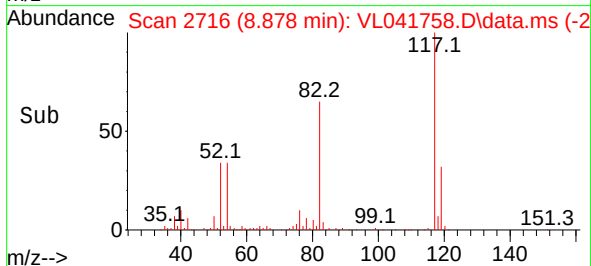
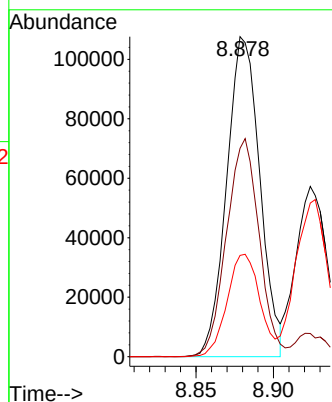
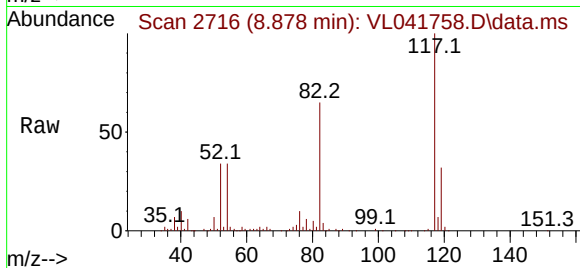
Tgt Ion:117 Resp: 160457

Ion Ratio Lower Upper

117 100

82 67.5 53.8 80.8

119 31.6 26.7 40.1



#56

1,1,1,2-Tetrachloroethane

Concen: 15.059 ppbv

RT: 8.924 min Scan# 2730

Delta R.T. -0.000 min

Lab File: VL041758.D

Acq: 16 Dec 2024 16:41

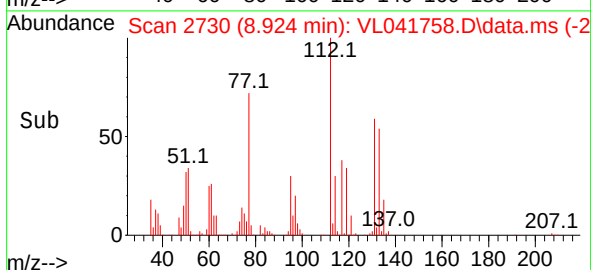
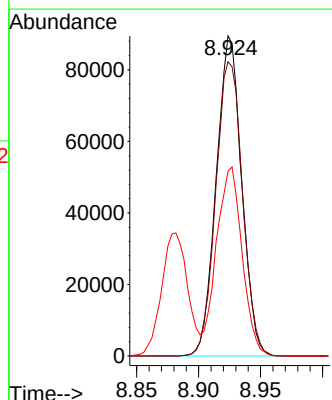
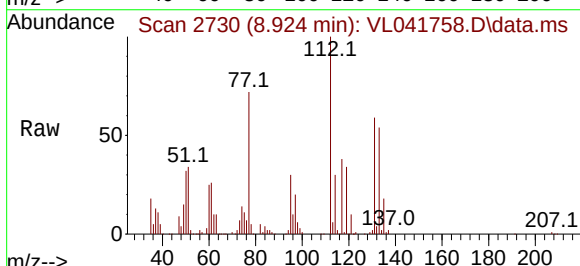
Tgt Ion:131 Resp: 128108

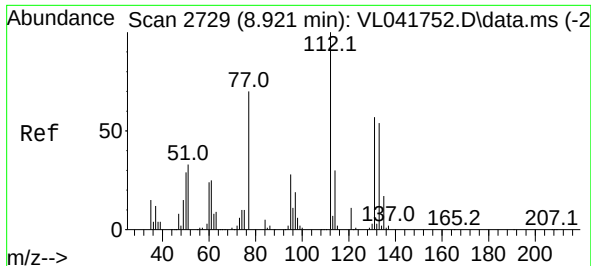
Ion Ratio Lower Upper

131 100

133 96.7 76.8 115.2

119 59.9 49.0 73.6

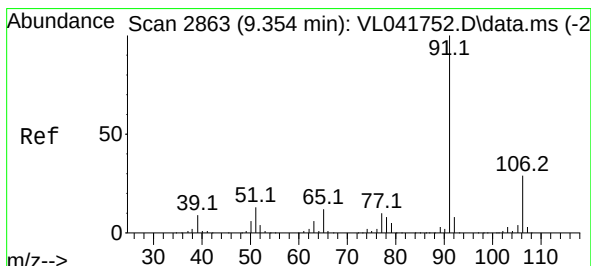
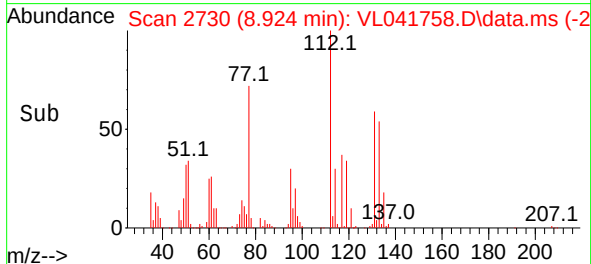
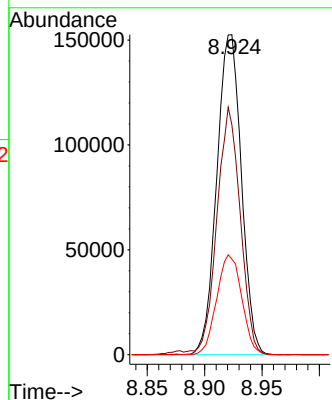
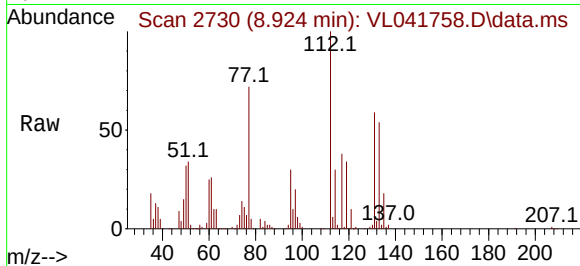




#57
Chlorobenzene
Concen: 13.869 ppbv
RT: 8.924 min Scan# 21
Delta R.T. 0.003 min
Lab File: VL041758.D
Acq: 16 Dec 2024 16:41

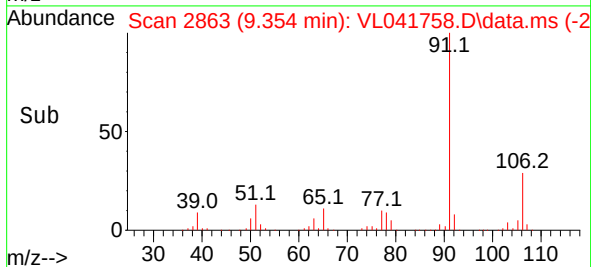
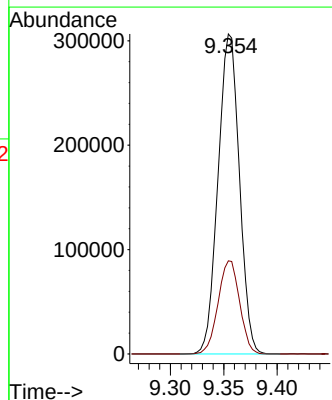
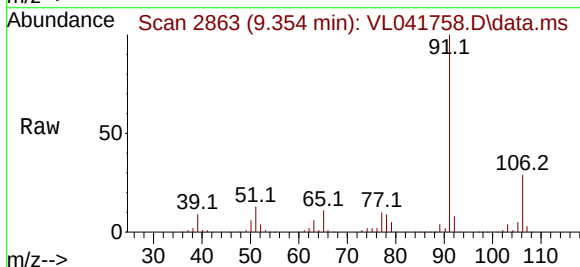
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC015

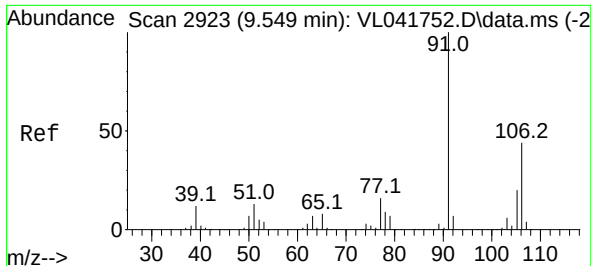
Tgt Ion:112 Resp: 227716
Ion Ratio Lower Upper
112 100
77 71.8 57.4 86.0
114 29.8 27.4 33.4



#58
Ethyl Benzene
Concen: 14.742 ppbv
RT: 9.354 min Scan# 2863
Delta R.T. -0.000 min
Lab File: VL041758.D
Acq: 16 Dec 2024 16:41

Tgt Ion: 91 Resp: 425852
Ion Ratio Lower Upper
91 100
106 29.1 23.5 35.3





#59

m/p-Xylene

Concen: 15.660 ppbv

RT: 9.552 min Scan# 2923

Delta R.T. 0.003 min

Lab File: VL041758.D

Acq: 16 Dec 2024 16:41

Instrument :

MSVOA_1

ClientSampleId :

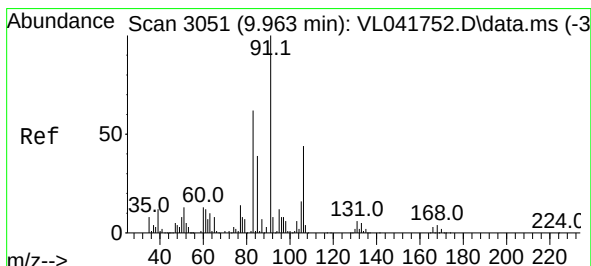
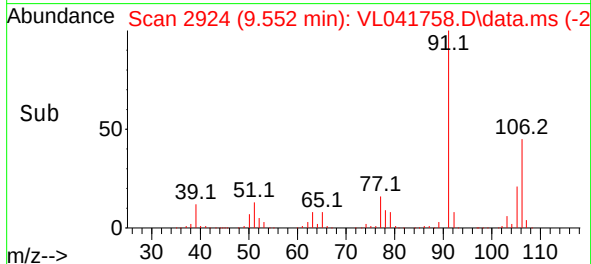
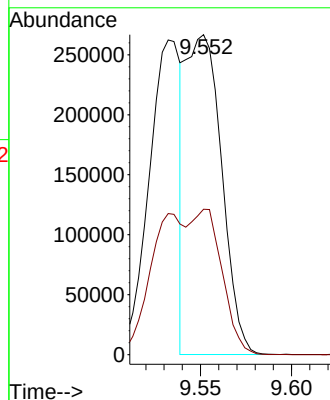
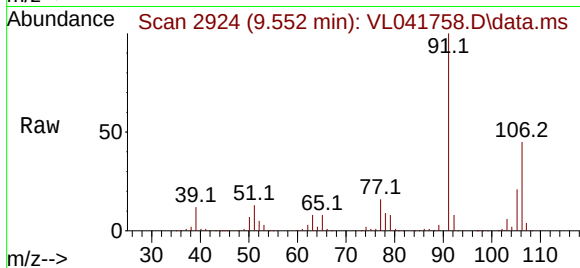
VSTDIC015

Tgt Ion: 91 Resp: 363863

Ion Ratio Lower Upper

91 100

106 83.6 0.0 0.0#



#60

o-Xylene

Concen: 14.506 ppbv

RT: 9.963 min Scan# 3051

Delta R.T. -0.000 min

Lab File: VL041758.D

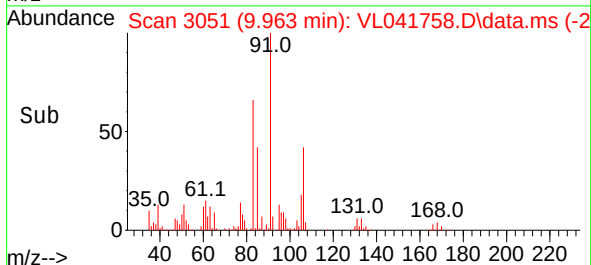
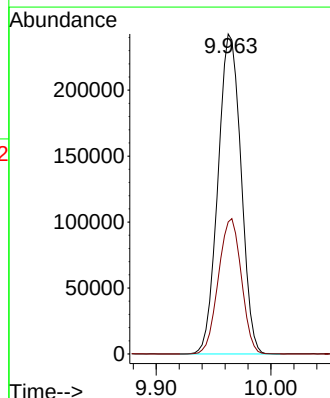
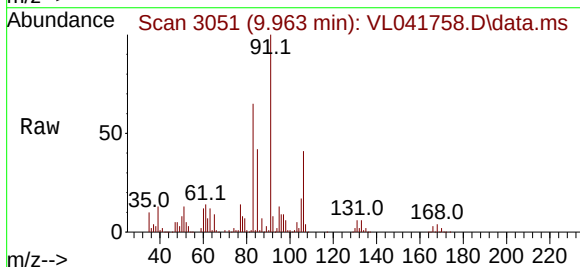
Acq: 16 Dec 2024 16:41

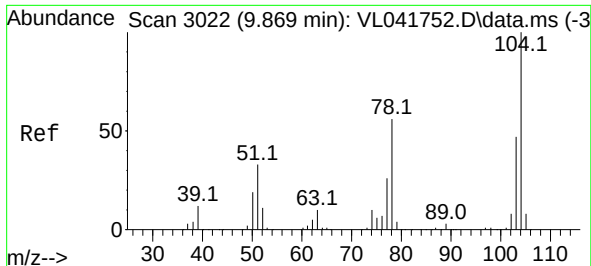
Tgt Ion: 91 Resp: 337891

Ion Ratio Lower Upper

91 100

106 42.2 21.1 63.4

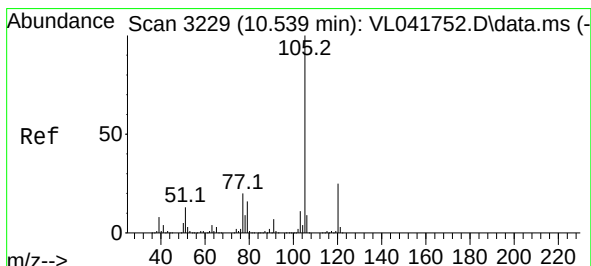
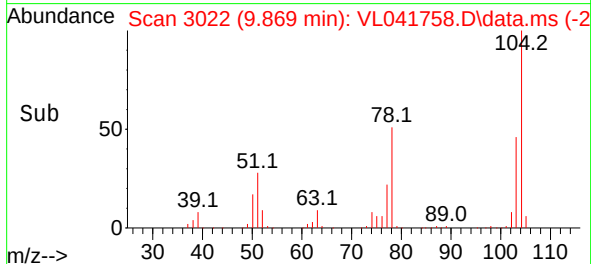
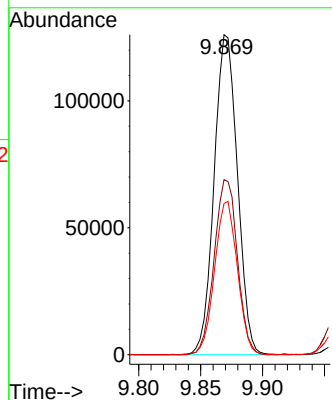
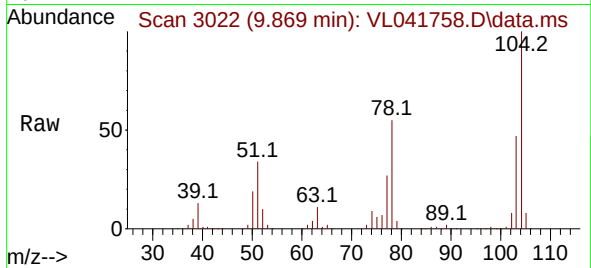




#61
Styrene
Concen: 16.415 ppbv
RT: 9.869 min Scan# 3022
Delta R.T. -0.000 min
Lab File: VL041758.D
Acq: 16 Dec 2024 16:41

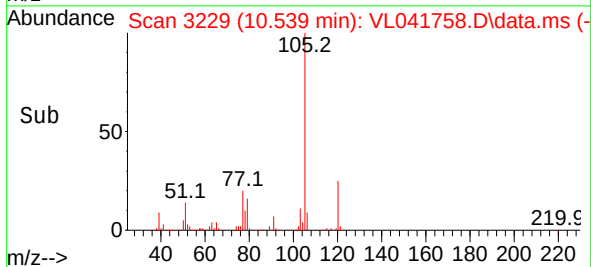
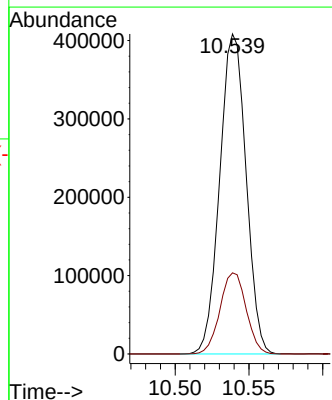
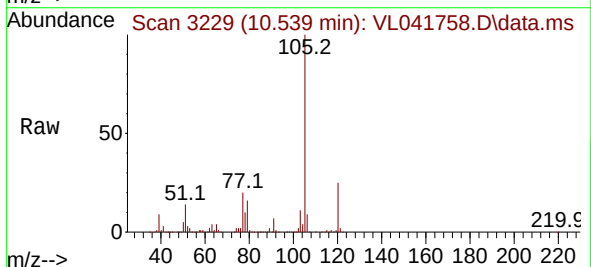
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC015

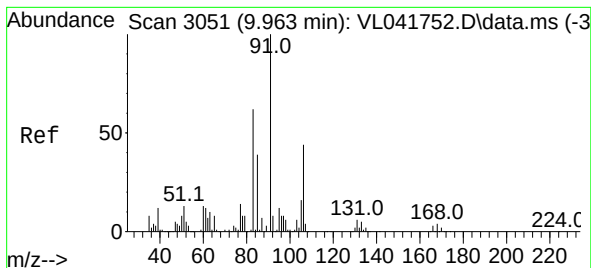
Tgt Ion:104 Resp: 165328
Ion Ratio Lower Upper
104 100
78 54.5 43.8 65.6
103 46.9 37.8 56.6



#62
Isopropylbenzene
Concen: 14.475 ppbv
RT: 10.539 min Scan# 3229
Delta R.T. -0.000 min
Lab File: VL041758.D
Acq: 16 Dec 2024 16:41

Tgt Ion:105 Resp: 506570
Ion Ratio Lower Upper
105 100
120 25.2 19.8 29.8





#63

1,1,2,2-Tetrachloroethane

Concen: 13.790 ppbv

RT: 9.963 min Scan# 3051

Delta R.T. -0.000 min

Lab File: VL041758.D

Acq: 16 Dec 2024 16:41

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

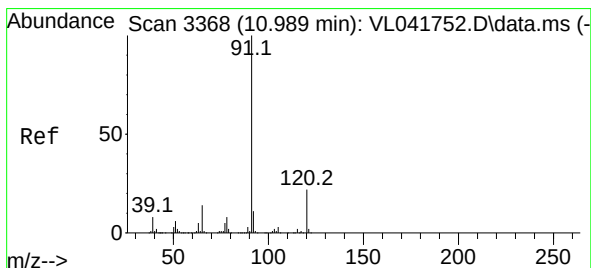
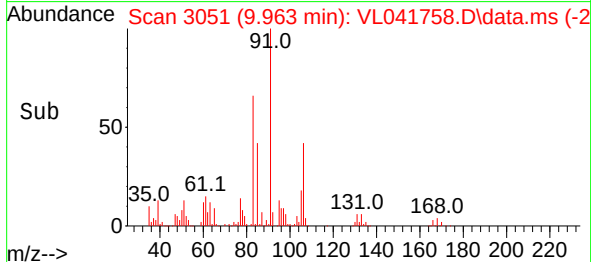
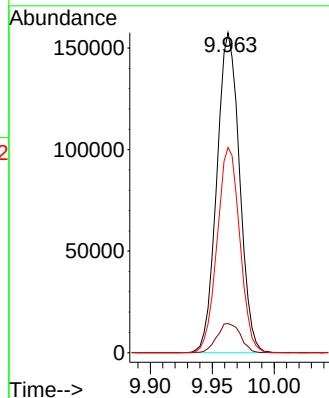
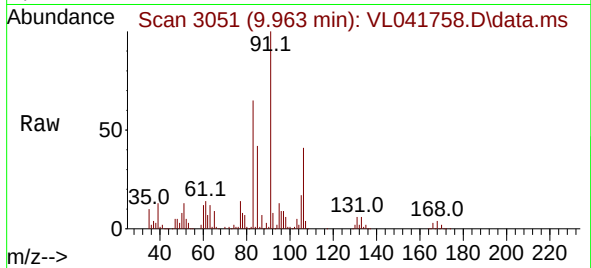
Tgt Ion: 83 Resp: 201057

Ion Ratio Lower Upper

83 100

131 9.5 4.9 14.7

85 64.0 32.0 96.2



#64

n-propylbenzene

Concen: 14.602 ppbv

RT: 10.989 min Scan# 3368

Delta R.T. -0.000 min

Lab File: VL041758.D

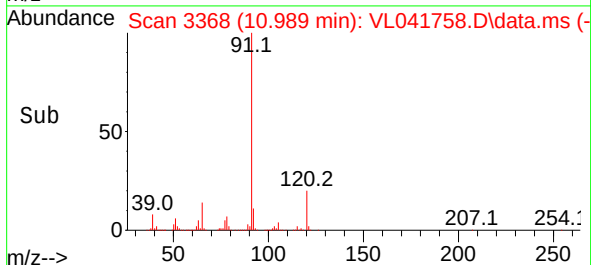
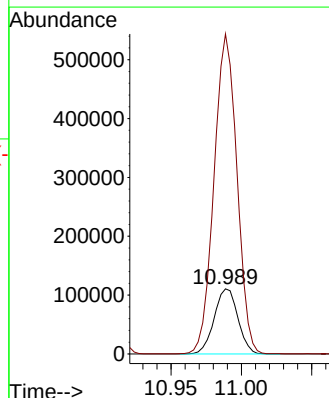
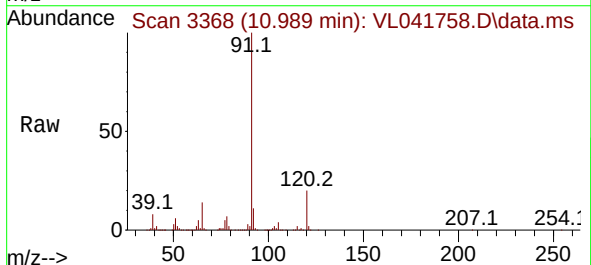
Acq: 16 Dec 2024 16:41

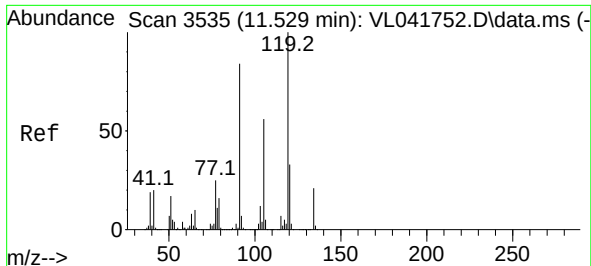
Tgt Ion:120 Resp: 129200

Ion Ratio Lower Upper

120 100

91 475.8 387.3 580.9





#65

tert-Butylbenzene

Concen: 14.148 ppbv

RT: 11.532 min Scan# 3536

Delta R.T. 0.003 min

Lab File: VL041758.D

Acq: 16 Dec 2024 16:41

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

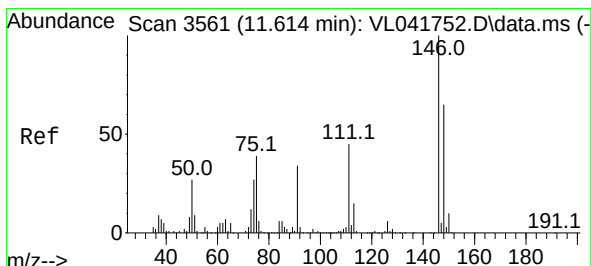
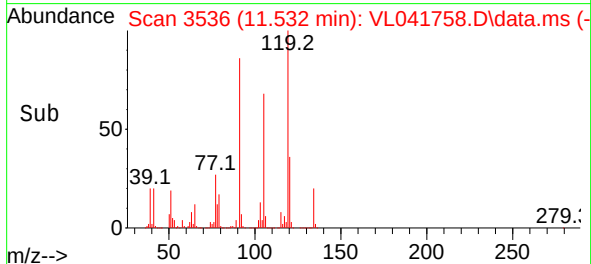
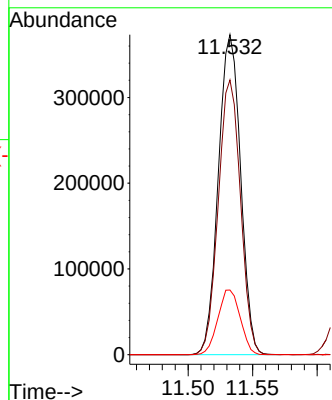
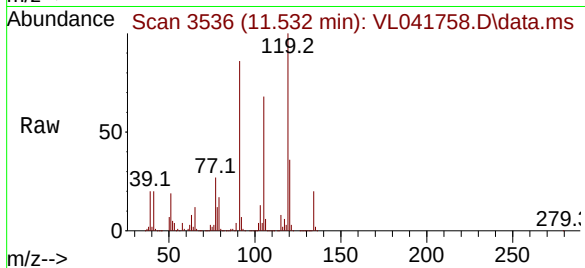
Tgt Ion:119 Resp: 446690

Ion Ratio Lower Upper

119 100

91 85.7 67.0 100.4

134 20.3 16.5 24.7



#66

Benzyl Chloride

Concen: 16.234 ppbv

RT: 11.617 min Scan# 3562

Delta R.T. 0.003 min

Lab File: VL041758.D

Acq: 16 Dec 2024 16:41

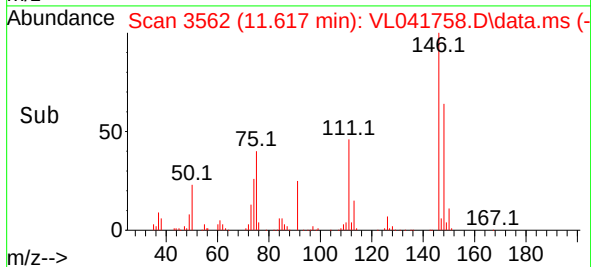
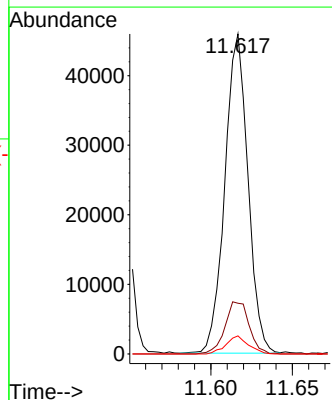
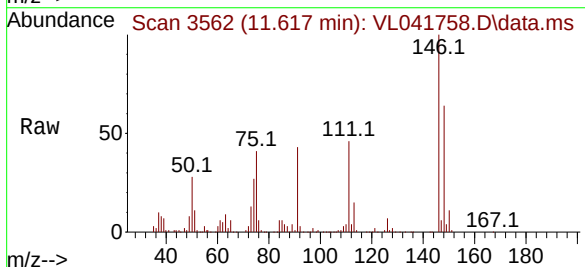
Tgt Ion: 91 Resp: 45189

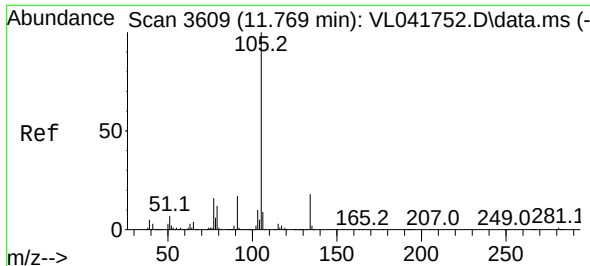
Ion Ratio Lower Upper

91 100

126 17.1 13.9 20.9

128 5.5 4.4 6.6





#67

sec-Butylbenzene

Concen: 14.295 ppbv

RT: 11.769 min Scan# 3609

Delta R.T. -0.000 min

Lab File: VL041758.D

Acq: 16 Dec 2024 16:41

Instrument :

MSVOA_1

ClientSampleId :

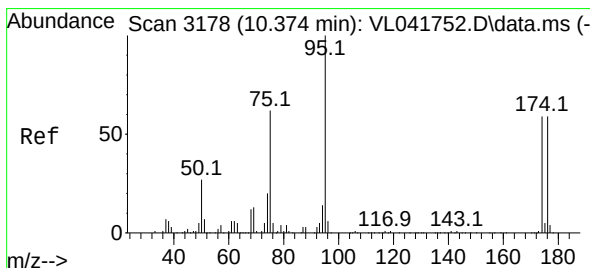
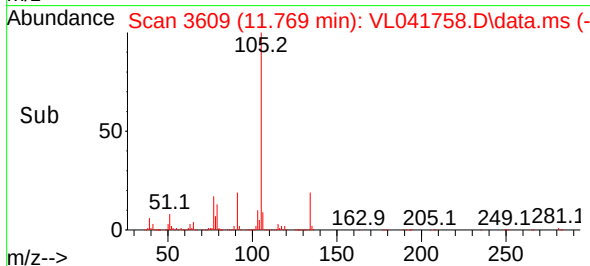
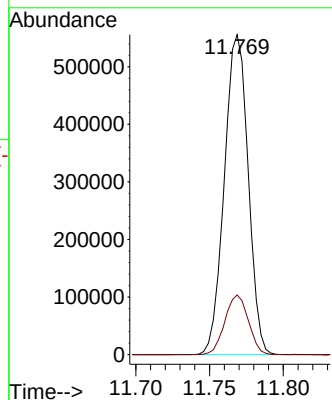
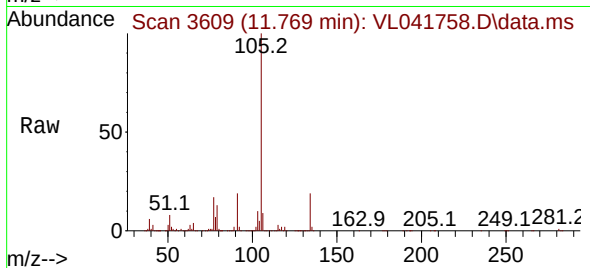
VSTDIC015

Tgt Ion:105 Resp: 624565

Ion Ratio Lower Upper

105 100

134 18.5 14.5 21.7



#68

1-Bromo-4-Fluorobenzene

Concen: 9.998 ppbv

RT: 10.374 min Scan# 3178

Delta R.T. -0.000 min

Lab File: VL041758.D

Acq: 16 Dec 2024 16:41

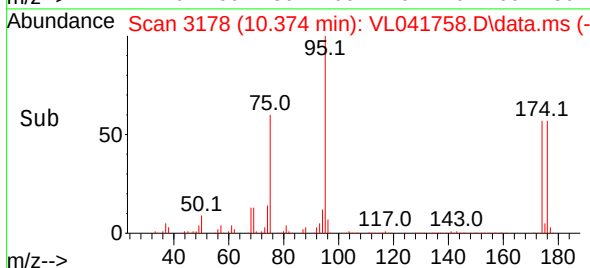
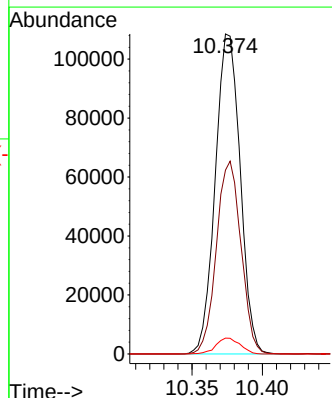
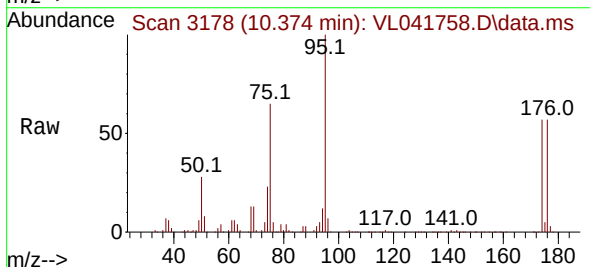
Tgt Ion: 95 Resp: 133687

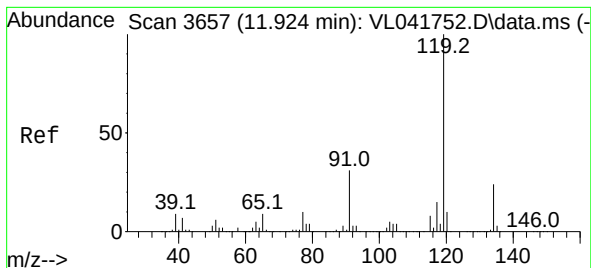
Ion Ratio Lower Upper

95 100

174 59.4 47.6 71.4

175 4.8 3.7 5.5





#69

p-Isopropyltoluene

Concen: 14.671 ppbv

RT: 11.927 min Scan# 3658

Delta R.T. 0.003 min

Lab File: VL041758.D

Acq: 16 Dec 2024 16:41

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

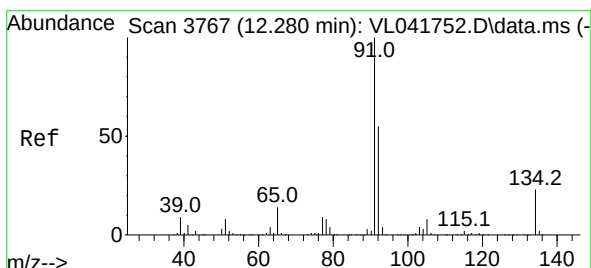
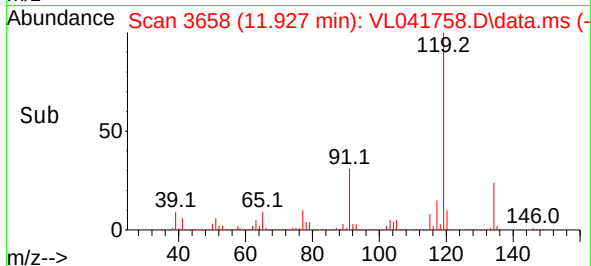
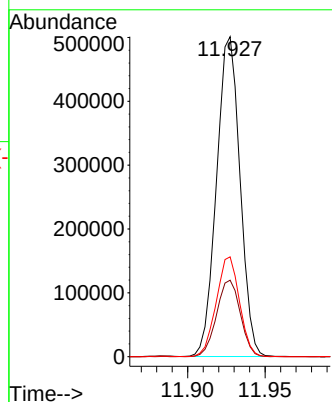
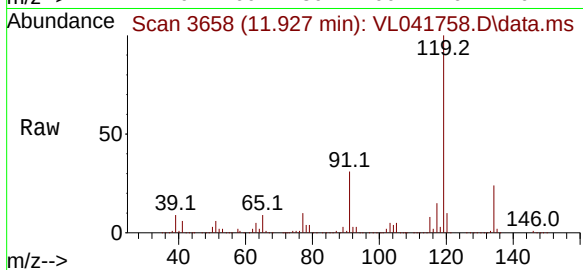
Tgt Ion:119 Resp: 528265

Ion Ratio Lower Upper

119 100

134 24.3 19.6 29.4

91 31.0 24.4 36.6



#70

n-Butylbenzene

Concen: 15.101 ppbv

RT: 12.283 min Scan# 3768

Delta R.T. 0.003 min

Lab File: VL041758.D

Acq: 16 Dec 2024 16:41

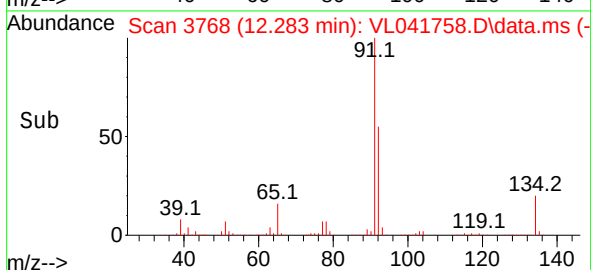
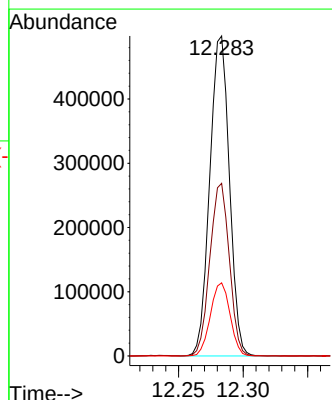
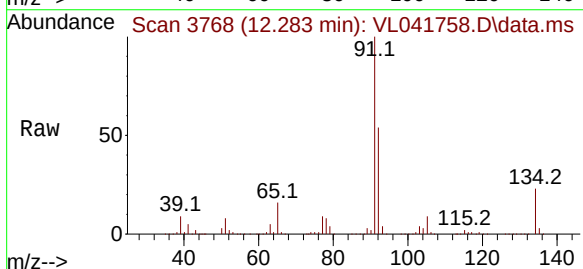
Tgt Ion: 91 Resp: 525377

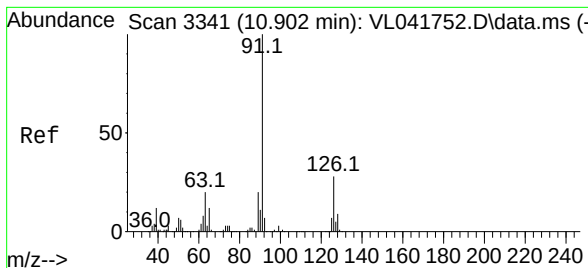
Ion Ratio Lower Upper

91 100

92 53.8 43.2 64.8

134 22.8 18.2 27.4

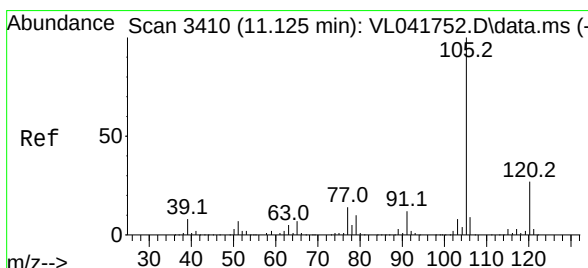
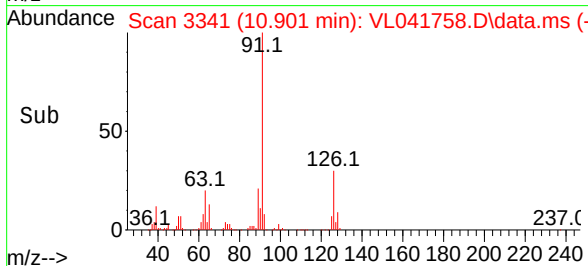
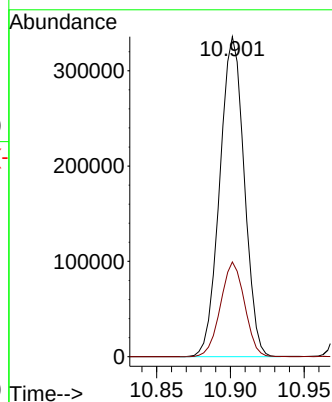
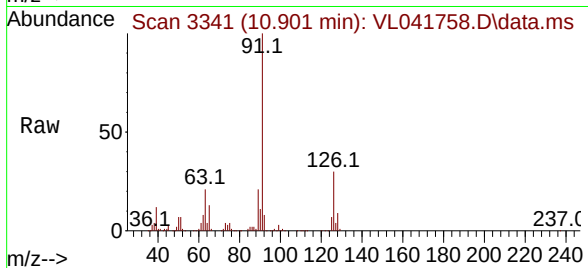




#71
2-Chlorotoluene
Concen: 14.498 ppbv
RT: 10.901 min Scan# 3341
Delta R.T. -0.000 min
Lab File: VL041758.D
Acq: 16 Dec 2024 16:41

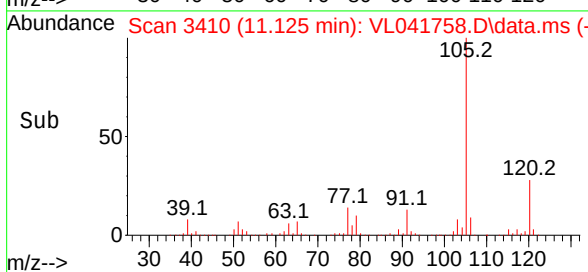
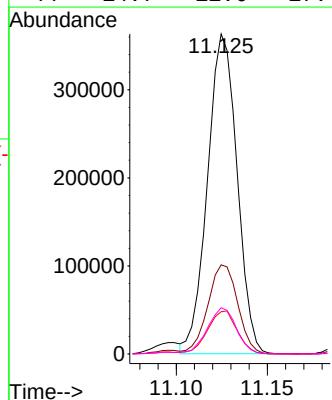
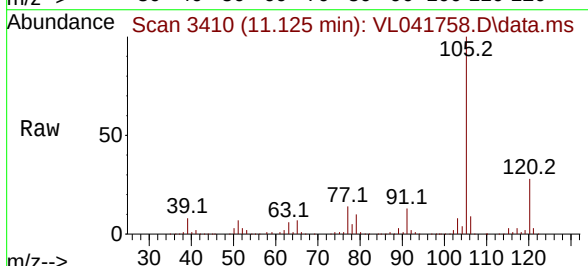
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC015

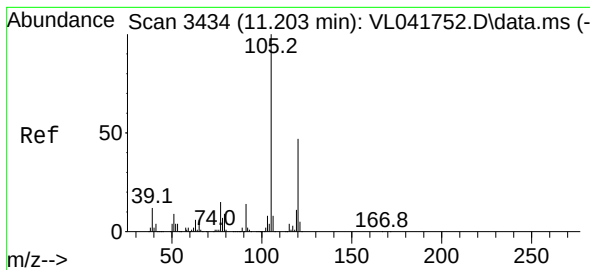
Tgt Ion: 91 Resp: 387300
Ion Ratio Lower Upper
91 100
126 29.0 11.6 46.4



#72
4-Ethyltoluene
Concen: 14.934 ppbv
RT: 11.125 min Scan# 3410
Delta R.T. -0.000 min
Lab File: VL041758.D
Acq: 16 Dec 2024 16:41

Tgt Ion:105 Resp: 409822
Ion Ratio Lower Upper
105 100
120 29.2 23.3 34.9
91 13.9 10.9 16.3
77 14.7 11.6 17.4





#73

1,3,5-Trimethylbenzene

Concen: 15.383 ppbv

RT: 11.202 min Scan# 3434

Delta R.T. -0.000 min

Lab File: VL041758.D

Acq: 16 Dec 2024 16:41

Instrument :

MSVOA_L

ClientSampleId :

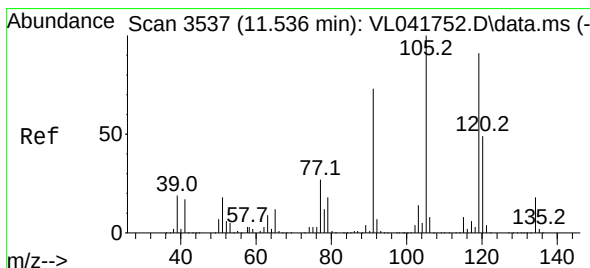
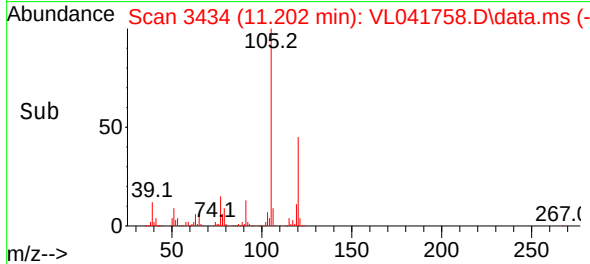
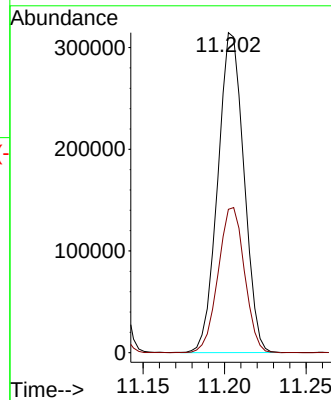
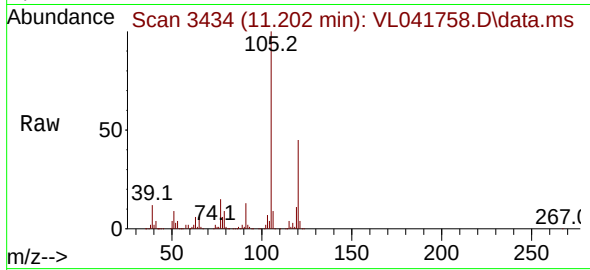
VSTDIC015

Tgt Ion:105 Resp: 350895

Ion Ratio Lower Upper

105 100

120 44.8 37.4 56.2



#74

1,2,4-Trimethylbenzene

Concen: 15.144 ppbv

RT: 11.539 min Scan# 3538

Delta R.T. 0.003 min

Lab File: VL041758.D

Acq: 16 Dec 2024 16:41

Tgt Ion:105 Resp: 371476

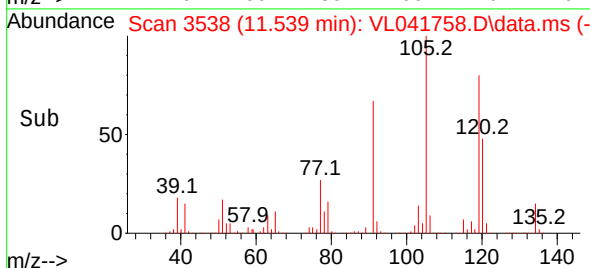
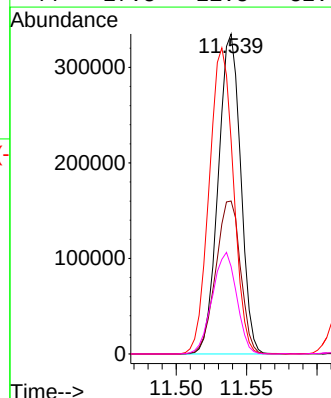
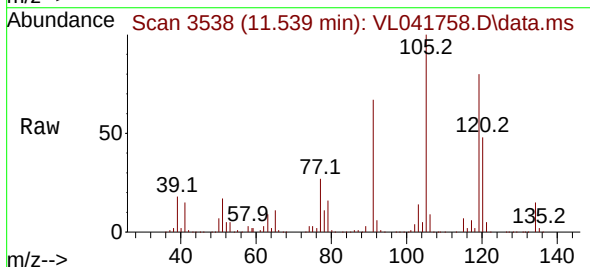
Ion Ratio Lower Upper

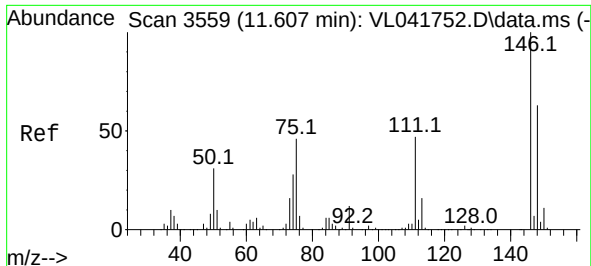
105 100

120 47.8 39.0 58.4

91 66.6 58.1 87.1

77 27.3 21.8 32.8





#75

1,3-Dichlorobenzene

Concen: 14.036 ppbv

RT: 11.610 min Scan# 3560

Delta R.T. 0.003 min

Lab File: VL041758.D

Acq: 16 Dec 2024 16:41

Instrument :

MSVOA_1

ClientSampleId :

VSTDICC015

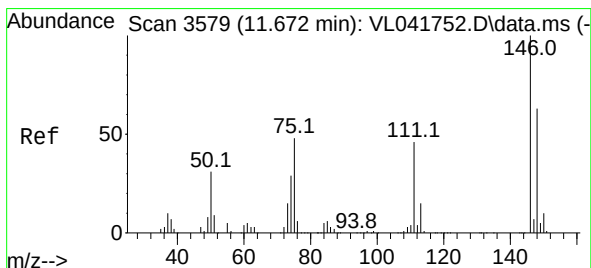
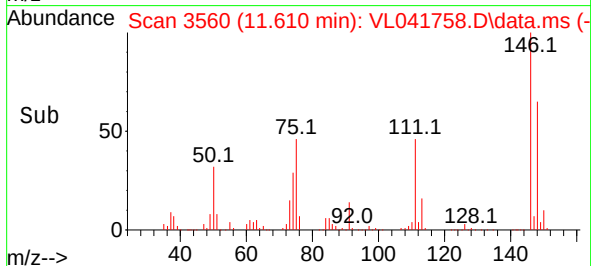
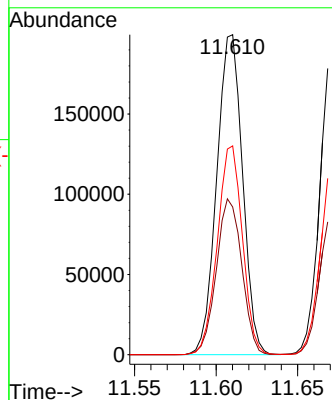
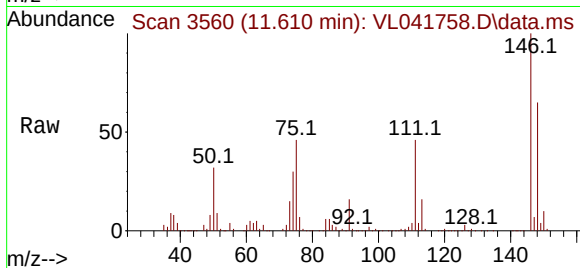
Tgt Ion:146 Resp: 219506

Ion Ratio Lower Upper

146 100

111 48.2 23.4 70.3

148 63.5 31.6 95.0



#76

1,4-Dichlorobenzene

Concen: 14.388 ppbv

RT: 11.672 min Scan# 3579

Delta R.T. -0.000 min

Lab File: VL041758.D

Acq: 16 Dec 2024 16:41

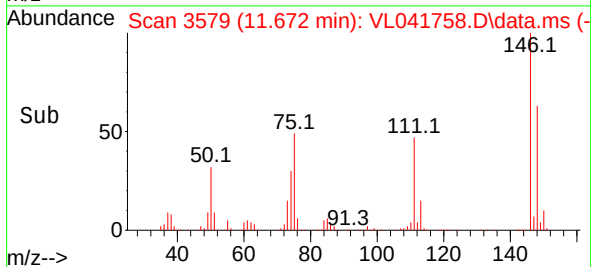
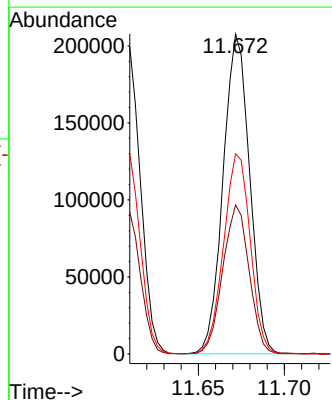
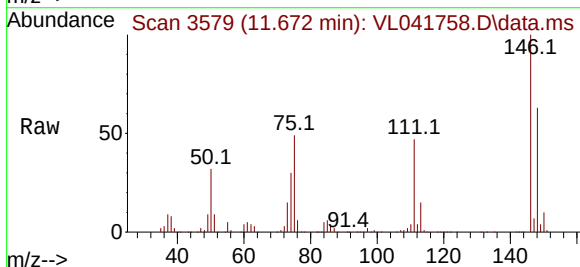
Tgt Ion:146 Resp: 222290

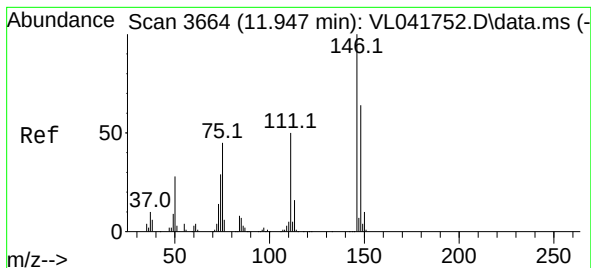
Ion Ratio Lower Upper

146 100

111 46.6 22.7 68.1

148 63.2 31.4 94.0





#77

1,2-Dichlorobenzene

Concen: 13.672 ppbv

RT: 11.947 min Scan# 3664

Delta R.T. -0.000 min

Lab File: VL041758.D

Acq: 16 Dec 2024 16:41

Instrument :

MSVOA_1

ClientSampleId :

VSTDIC015

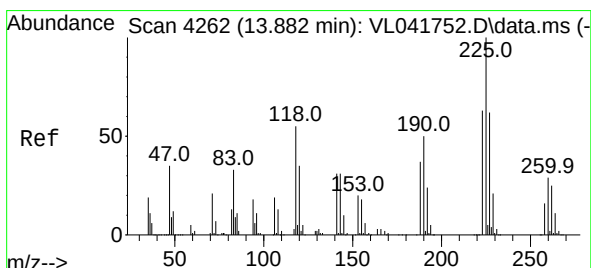
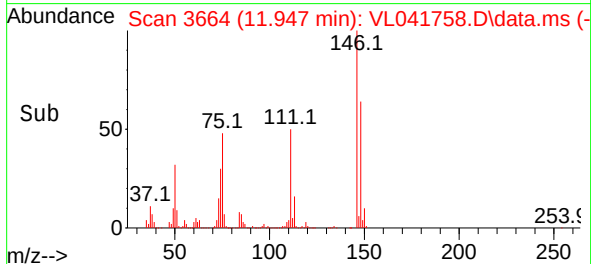
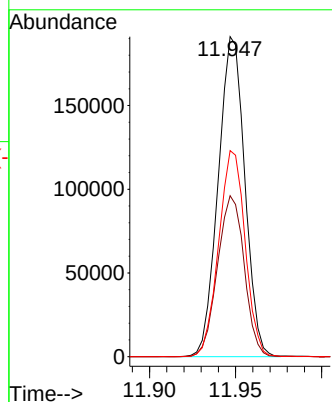
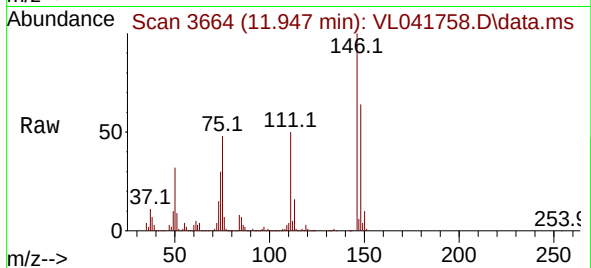
Tgt Ion:146 Resp: 205737

Ion Ratio Lower Upper

146 100

111 50.4 24.8 74.3

148 63.9 31.8 95.4



#78

Hexachloro-1,3-Butadiene

Concen: 12.412 ppbv

RT: 13.882 min Scan# 4262

Delta R.T. -0.000 min

Lab File: VL041758.D

Acq: 16 Dec 2024 16:41

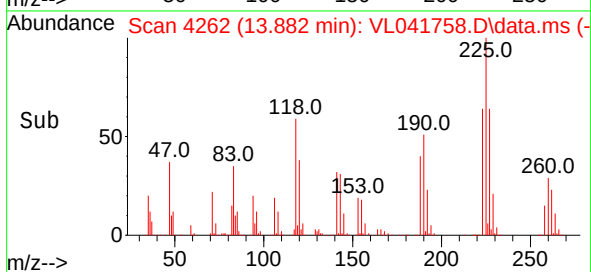
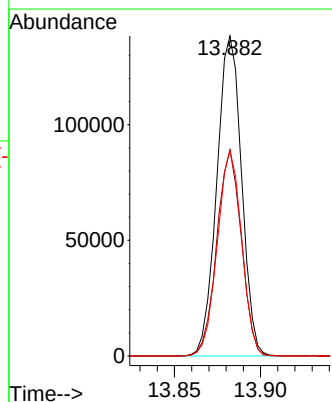
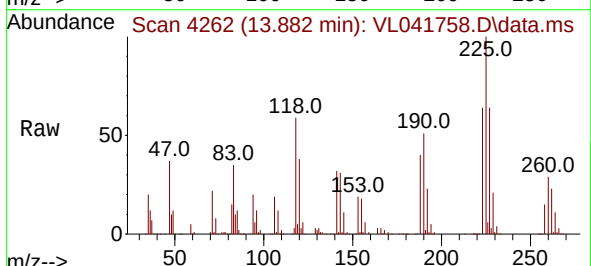
Tgt Ion:225 Resp: 138481

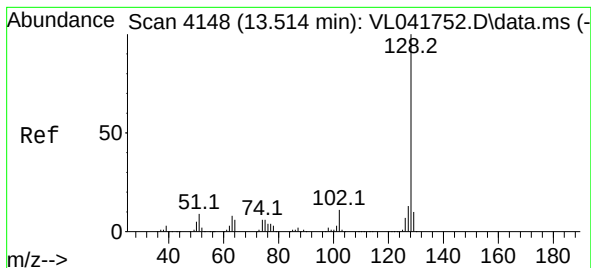
Ion Ratio Lower Upper

225 100

223 63.7 50.5 75.7

227 63.1 50.3 75.5





#79

Naphthalene

Concen: 17.611 ppbv

RT: 13.513 min Scan# 4148

Delta R.T. -0.000 min

Lab File: VL041758.D

Acq: 16 Dec 2024 16:41

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

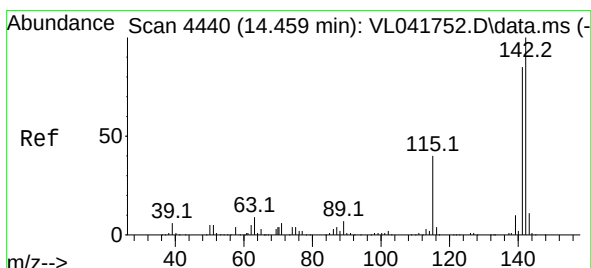
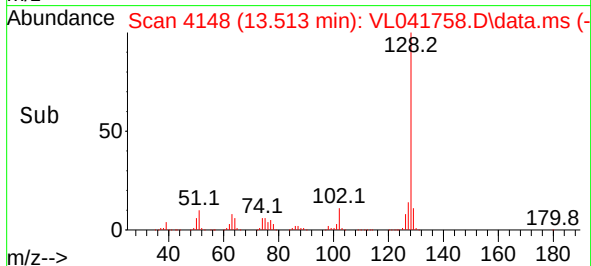
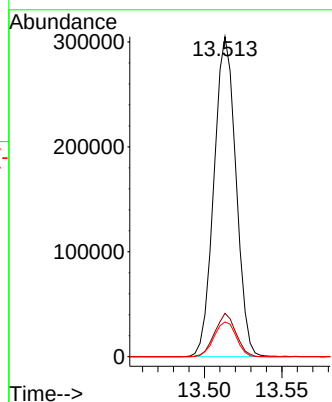
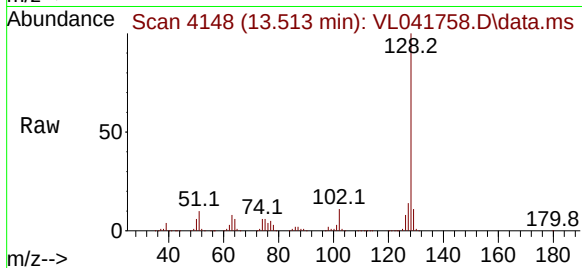
Tgt Ion:128 Resp: 301006

Ion Ratio Lower Upper

128 100

127 13.6 10.7 16.1

129 10.9 8.2 12.4



#80

Naphthalene, 2-methyl-

Concen: 30.630 ppbv

RT: 14.458 min Scan# 4440

Delta R.T. -0.000 min

Lab File: VL041758.D

Acq: 16 Dec 2024 16:41

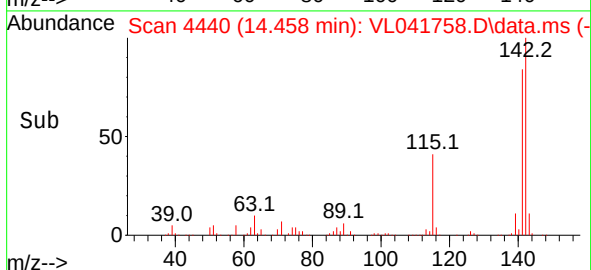
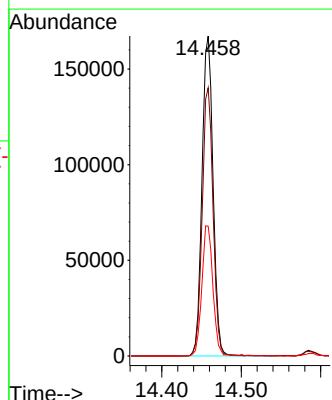
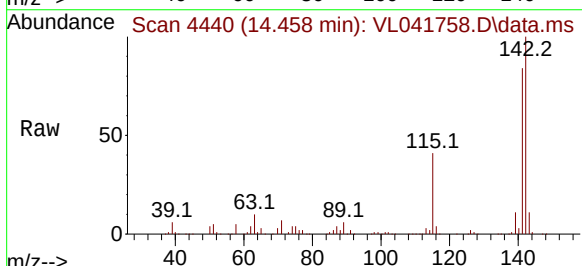
Tgt Ion:142 Resp: 161927

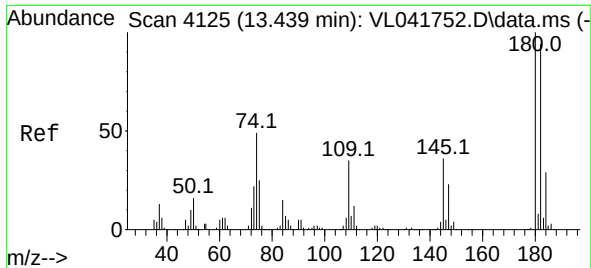
Ion Ratio Lower Upper

142 100

141 82.6 68.4 102.6

115 40.9 32.5 48.7





#81

1,2,4-Trichlorobenzene

Concen: 15.669 ppbv

RT: 13.442 min Scan# 41

Delta R.T. 0.003 min

Lab File: VL041758.D

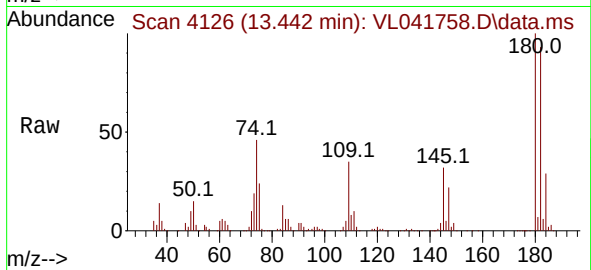
Acq: 16 Dec 2024 16:41

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015



Tgt Ion:180 Resp: 146340

Ion Ratio Lower Upper

180 100

182 94.8 77.0 115.6

184 30.0 23.8 35.8

