

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL121824\
 Data File : VL041816.D
 Acq On : 19 Dec 2024 03:31
 Operator : SY/MD
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Quant Time: Dec 19 08:04:48 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 07:32:09 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.793	49	80462	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.968	114	194995	10.000	ppbv	0.01
55) Chlorobenzene-d5	8.891	117	167221	10.000	ppbv	0.01

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.386	95	149664	10.740	ppbv	0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	107.400%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.502	85	128833	8.999	ppbv	95
3) Chlorodifluoromethane	1.476	51	118280	9.014	ppbv	100
4) Chloromethane	1.534	50	52279	9.333	ppbv	99
5) Vinyl Chloride	1.583	62	47803	8.470	ppbv	99
6) Bromomethane	1.670	94	22461	8.433	ppbv	99
7) Chloroethane	1.706	64	19558	8.921	ppbv	97
8) Dichlorotetrafluoroethane	1.557	85	115169	8.987	ppbv	93
9) Propene	1.486	41	41155	7.236	ppbv	95
10) Heptane	4.994	43	121577	8.322	ppbv	100
11) Trichlorofluoromethane	1.881	101	135114	8.885	ppbv	98
12) 1,1,2-Trichlorotrifluo...	2.143	101	98518	8.518	ppbv	95
13) Ethanol	1.725	45	2654	5.636	ppbv	89
14) Bromoethene	1.783	108	31772	8.136	ppbv	94
15) Acetone	1.839	43	120737	7.712	ppbv	96
16) 1,3-Butadiene	1.612	39	56794	9.213	ppbv	95
17) tert-Butyl alcohol	2.042	59	130646	8.412	ppbv	99
18) 1,1-Dichloroethene	2.039	96	42108	8.683	ppbv	95
19) Isopropyl Alcohol	1.887	45	58883	6.268	ppbv #	37
20) Methylene Chloride	2.065	84	35778	8.015	ppbv	92
21) Allyl Chloride	2.101	41	75977	8.948	ppbv	97
22) trans-1,2-Dichloroethene	2.347	96	45432	8.185	ppbv	98
23) Vinyl Acetate	2.466	43	52077	7.164	ppbv #	96
24) 1,1-Dichloroethane	2.415	63	100372	8.933	ppbv	99
25) Ethyl Acetate	2.842	43	251237	8.627	ppbv	100
26) Hexane	2.832	57	91261	8.257	ppbv	93
27) Carbon Disulfide	2.156	76	77966	7.828	ppbv	97
28) Methyl tert-Butyl Ether	2.444	73	62687	6.991	ppbv	97
29) Chloroform	2.855	83	151278	8.982	ppbv	100
30) Cyclohexane	3.865	84	74123	7.882	ppbv	98
31) cis-1,2-Dichloroethene	2.729	61	90920	7.961	ppbv	94
32) 1,1,1-Trichloroethane	3.376	97	141589	8.269	ppbv	98
34) 2-Butanone	2.560	43	143094	9.121	ppbv	99
35) Carbon Tetrachloride	3.774	117	142088	10.264	ppbv	96
36) Benzene	3.667	78	181775	9.012	ppbv	97
37) 1,2-Dichloroethane	3.227	62	119295	9.505	ppbv	100
38) Trichloroethene	4.561	130	69271	8.090	ppbv	95
39) 1,2-Dichloropropane	4.327	63	65973	9.044	ppbv	97
40) 1,4-Dioxane	4.596	88	27617	7.750	ppbv #	91
41) Tetrahydrofuran	3.062	42	77282	8.793	ppbv	97
42) Bromodichloromethane	4.499	83	140825	9.753	ppbv	98
43) Methyl Methacrylate	4.894	69	65091	8.470	ppbv	98
44) 2,2,4-Trimethylpentane	4.654	57	325525	9.450	ppbv	97
45) t-1,3-Dichloropropene	6.431	75	58734	7.389	ppbv	95

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 VSTDCCC010EC

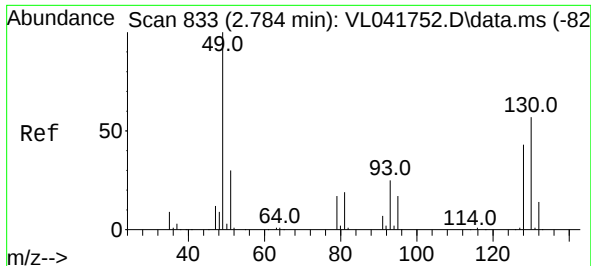
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 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL121624AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Thu Dec 19 07:32:09 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.612	75	40296	3.993	ppbv	98
47) 1,1,2-Trichloroethane	6.596	97	69616	9.136	ppbv	93
48) Dibromochloromethane	7.399	129	99788	9.591	ppbv	100
49) Bromoform	9.493	173	77811	9.136	ppbv	99
50) 4-Methyl-2-Pentanone	5.771	43	196906	9.219	ppbv	99
51) 2-Hexanone	7.451	43	150220	8.677	ppbv #	96
52) Tetrachloroethene	8.237	164	56129	7.476	ppbv	93
53) Toluene	6.949	91	190165	8.316	ppbv	100
54) 1,2-Dibromoethane	7.668	107	92331	8.794	ppbv	94
56) 1,1,1,2-Tetrachloroethane	8.936	131	89008	10.040	ppbv	99
57) Chlorobenzene	8.933	112	155548	9.090	ppbv	98
58) Ethyl Benzene	9.364	91	268096	8.905	ppbv	97
59) m/p-Xylene	9.561	91	216629	8.949	ppbv #	100
60) o-Xylene	9.972	91	229859	9.469	ppbv	100
61) Styrene	9.882	104	91682	8.735	ppbv	99
62) Isopropylbenzene	10.548	105	339260	9.302	ppbv	100
63) 1,1,2,2-Tetrachloroethane	9.972	83	145038	9.545	ppbv	100
64) n-propylbenzene	10.998	120	86161	9.344	ppbv	99
65) tert-Butylbenzene	11.539	119	295470	8.980	ppbv	98
66) Benzyl Chloride	11.626	91	18218	6.286	ppbv	97
67) sec-Butylbenzene	11.775	105	414290	9.098	ppbv	100
69) p-Isopropyltoluene	11.934	119	329037	8.769	ppbv	99
70) n-Butylbenzene	12.290	91	315732	8.708	ppbv	99
71) 2-Chlorotoluene	10.911	91	243323	8.741	ppbv	99
72) 4-Ethyltoluene	11.134	105	264092	9.217	ppbv	99
73) 1,3,5-Trimethylbenzene	11.212	105	223198	9.389	ppbv	100
74) 1,2,4-Trimethylbenzene	11.545	105	242549	9.488	ppbv	99
75) 1,3-Dichlorobenzene	11.616	146	135088	8.288	ppbv	98
76) 1,4-Dichlorobenzene	11.678	146	132463	8.227	ppbv	98
77) 1,2-Dichlorobenzene	11.956	146	131272	8.371	ppbv	100
78) Hexachloro-1,3-Butadiene	13.889	225	79178	6.809	ppbv	100
79) Naphthalene	13.520	128	162505	9.123	ppbv	99
80) Naphthalene,2-methyl-	14.468	142	52642	9.555	ppbv	98
81) 1,2,4-Trichlorobenzene	13.448	180	76255	7.834	ppbv	100

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

Quant Time: Dec 19 08:04:48 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL121624AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Thu Dec 19 07:32:09 2024
Response via : Initial Calibration

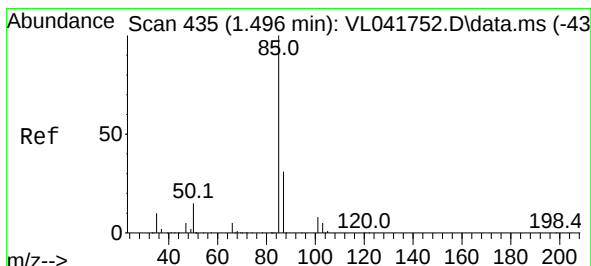
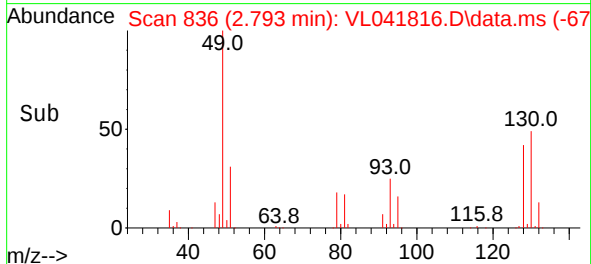
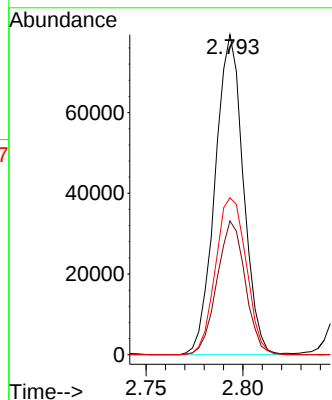
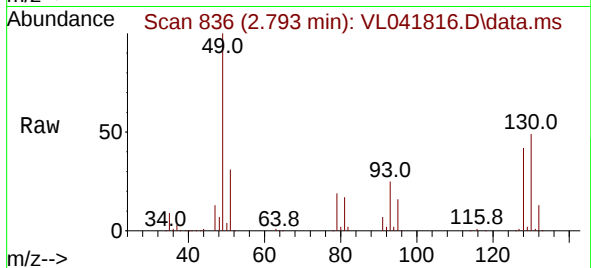




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.793 min Scan# 841
Delta R.T. 0.009 min
Lab File: VL041816.D
Acq: 19 Dec 2024 03:31

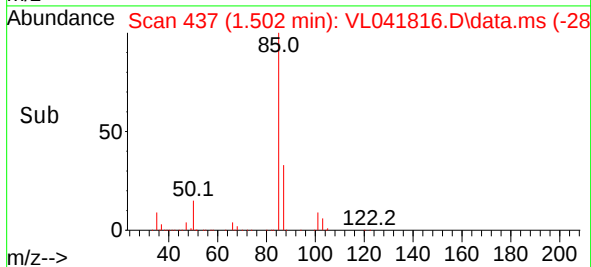
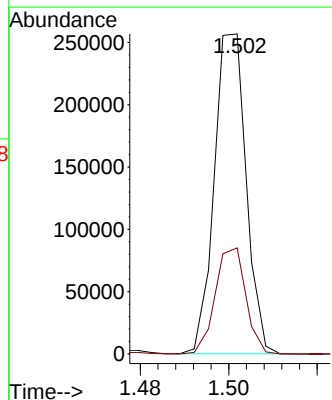
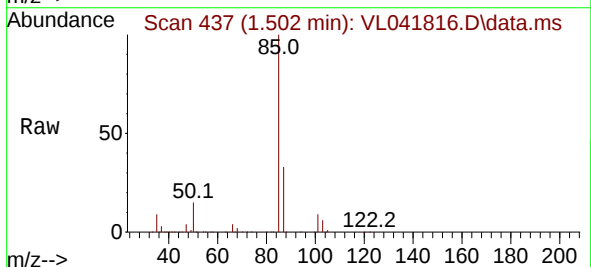
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MSVOA_L
ClientSampleId :
VSTDCCC010EC

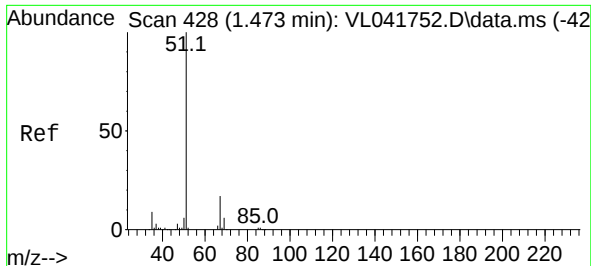
Tgt Ion: 49 Resp: 80462
Ion Ratio Lower Upper
49 100
128 41.7 21.6 64.6
130 53.3 28.3 85.0



#2
Dichlorodifluoromethane
Concen: 8.999 ppbv
RT: 1.502 min Scan# 437
Delta R.T. 0.006 min
Lab File: VL041816.D
Acq: 19 Dec 2024 03:31

Tgt Ion: 85 Resp: 128833
Ion Ratio Lower Upper
85 100
87 33.2 24.5 36.7

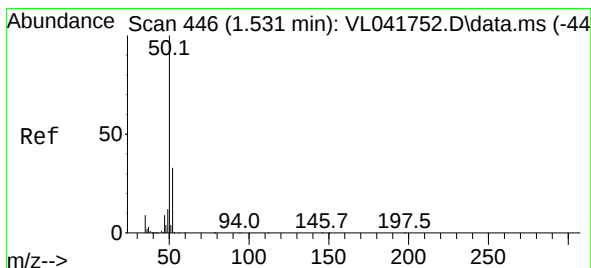
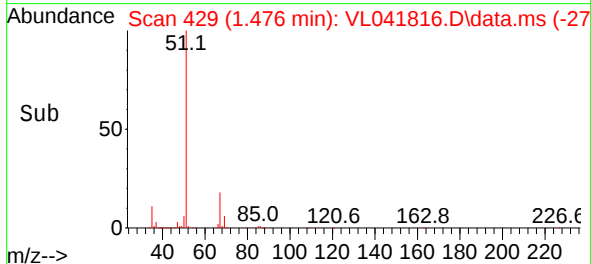
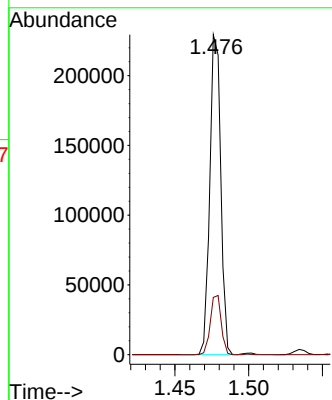
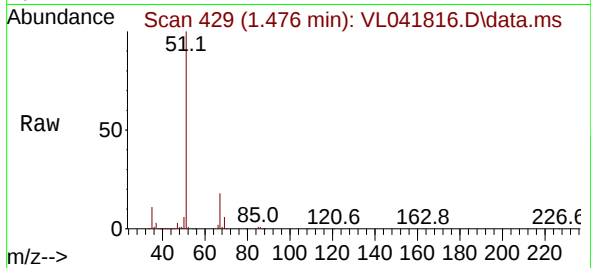




#3
Chlorodifluoromethane
Concen: 9.014 ppbv
RT: 1.476 min Scan# 41
Delta R.T. 0.003 min
Lab File: VL041816.D
Acq: 19 Dec 2024 03:31

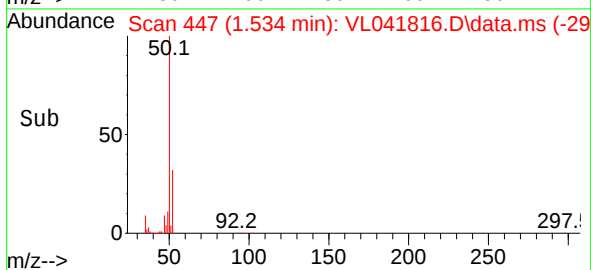
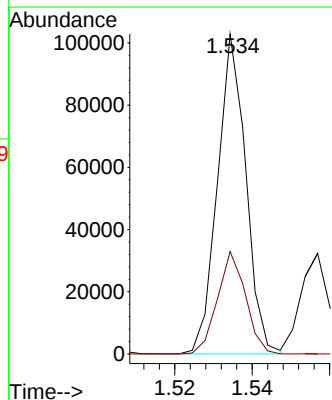
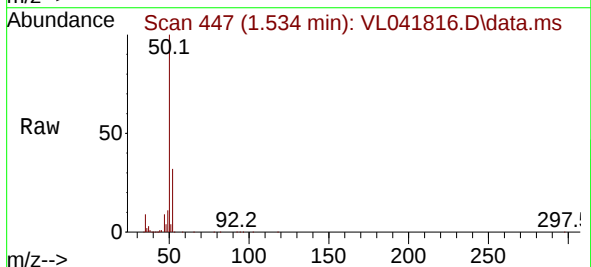
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ClientSampleId :
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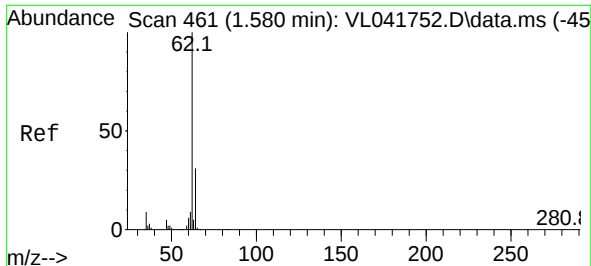
Tgt Ion: 51 Resp: 118280
Ion Ratio Lower Upper
51 100
67 18.5 15.0 22.4



#4
Chloromethane
Concen: 9.333 ppbv
RT: 1.534 min Scan# 447
Delta R.T. 0.003 min
Lab File: VL041816.D
Acq: 19 Dec 2024 03:31

Tgt Ion: 50 Resp: 52279
Ion Ratio Lower Upper
50 100
52 32.0 26.2 39.2

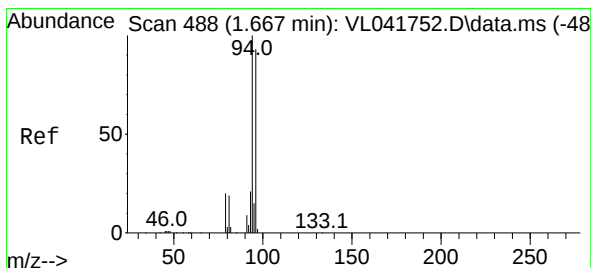
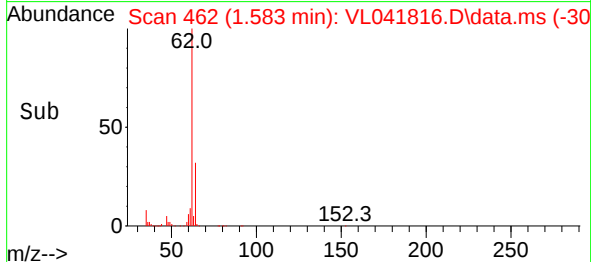
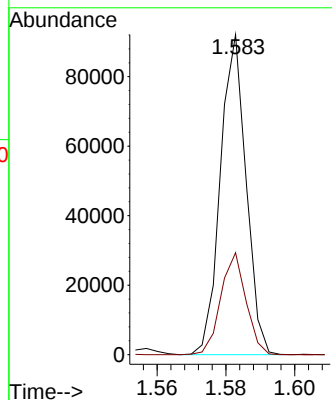
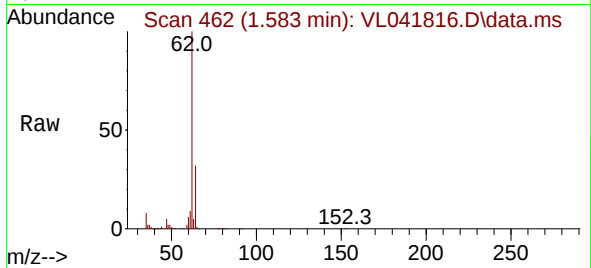




#5
 Vinyl Chloride
 Concen: 8.470 ppbv
 RT: 1.583 min Scan# 462
 Delta R.T. 0.003 min
 Lab File: VL041816.D
 Acq: 19 Dec 2024 03:31

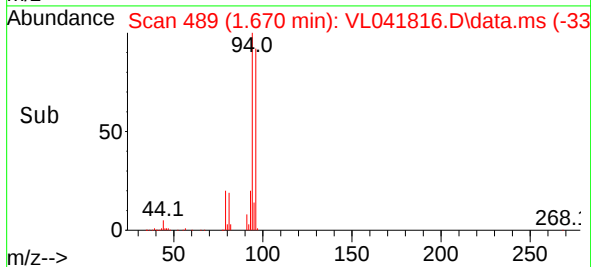
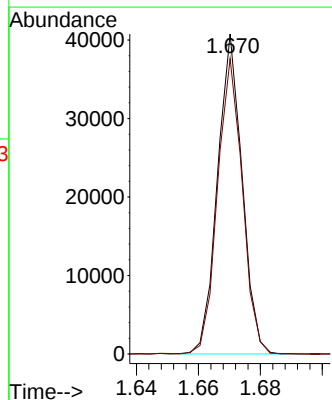
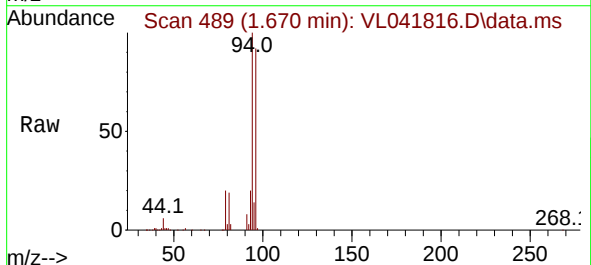
Instrument :
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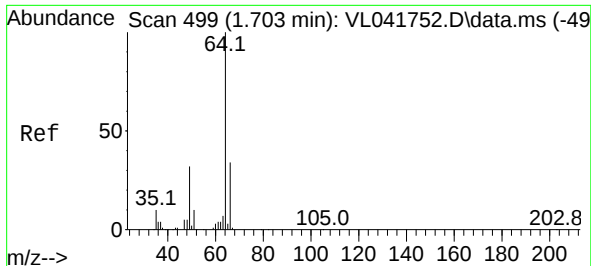
Tgt Ion: 62 Resp: 47803
 Ion Ratio Lower Upper
 62 100
 64 31.9 25.1 37.7



#6
 Bromomethane
 Concen: 8.433 ppbv
 RT: 1.670 min Scan# 489
 Delta R.T. 0.003 min
 Lab File: VL041816.D
 Acq: 19 Dec 2024 03:31

Tgt Ion: 94 Resp: 22461
 Ion Ratio Lower Upper
 94 100
 96 92.3 74.7 112.1

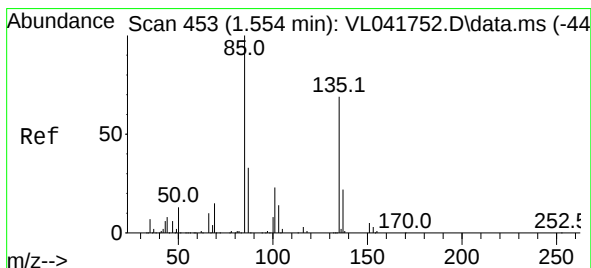
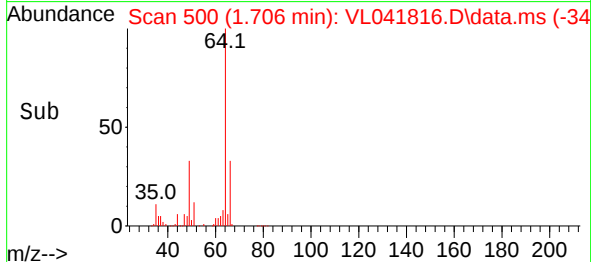
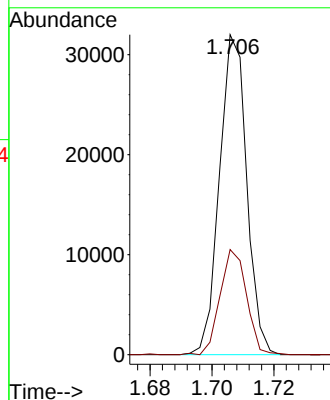
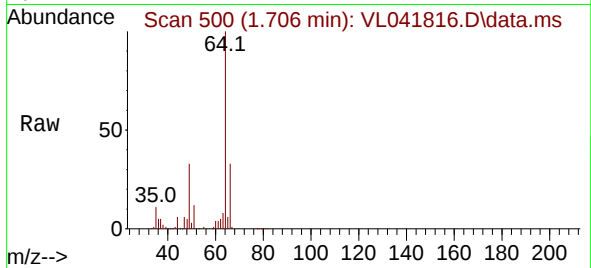




#7
Chloroethane
Concen: 8.921 ppbv
RT: 1.706 min Scan# 500
Delta R.T. 0.003 min
Lab File: VL041816.D
Acq: 19 Dec 2024 03:31

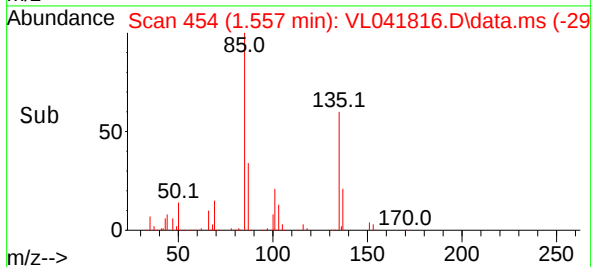
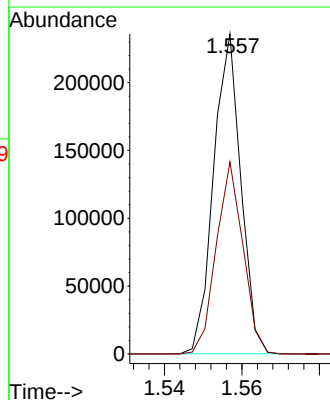
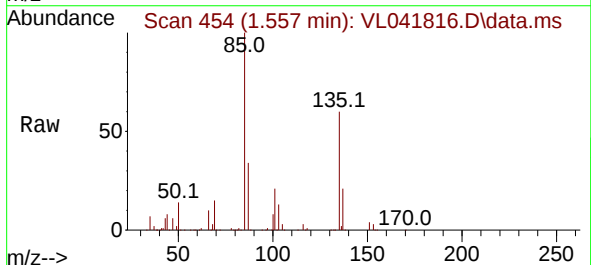
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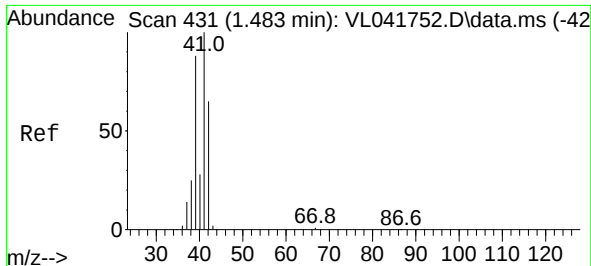
Tgt Ion: 64 Resp: 19558
Ion Ratio Lower Upper
64 100
66 32.8 27.5 41.3



#8
Dichlorotetrafluoroethane
Concen: 8.987 ppbv
RT: 1.557 min Scan# 454
Delta R.T. 0.003 min
Lab File: VL041816.D
Acq: 19 Dec 2024 03:31

Tgt Ion: 85 Resp: 115169
Ion Ratio Lower Upper
85 100
135 59.1 51.9 77.9





#9

Propene

Concen: 7.236 ppbv

RT: 1.486 min Scan# 41

Delta R.T. 0.003 min

Lab File: VL041816.D

Acq: 19 Dec 2024 03:31

Instrument :

MSVOA_L

ClientSampleId :

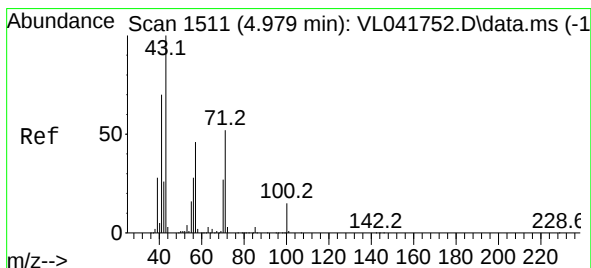
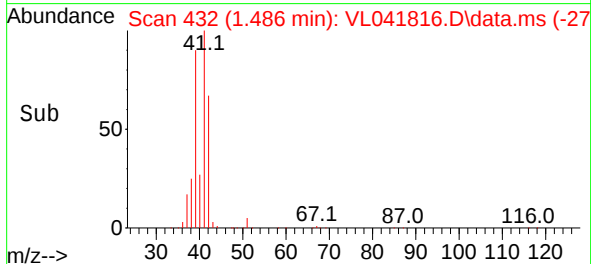
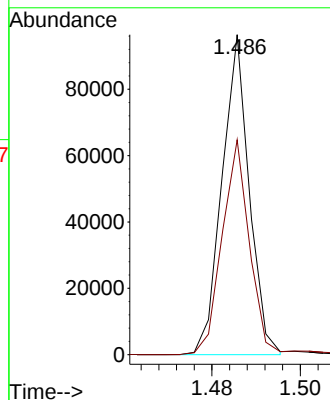
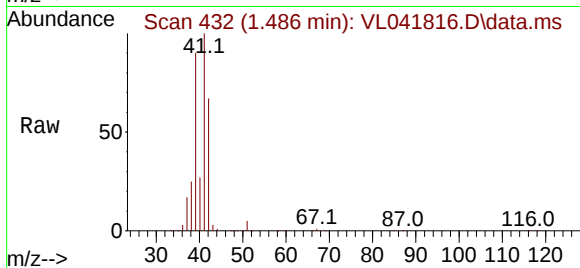
VSTDCCC010EC

Tgt Ion: 41 Resp: 41155

Ion Ratio Lower Upper

41 100

42 69.1 52.4 78.6



#10

Heptane

Concen: 8.322 ppbv

RT: 4.994 min Scan# 1516

Delta R.T. 0.016 min

Lab File: VL041816.D

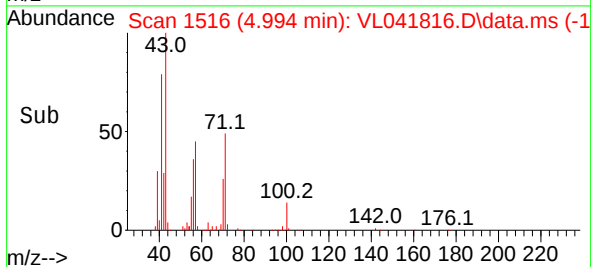
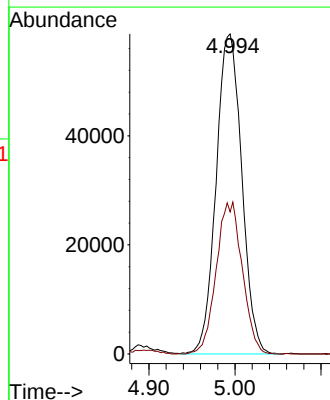
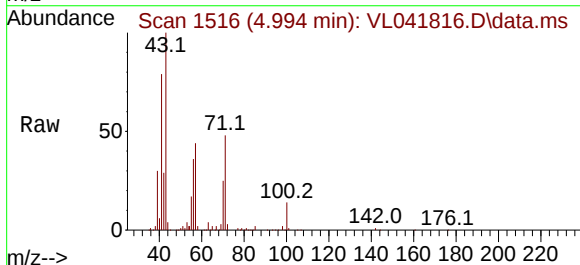
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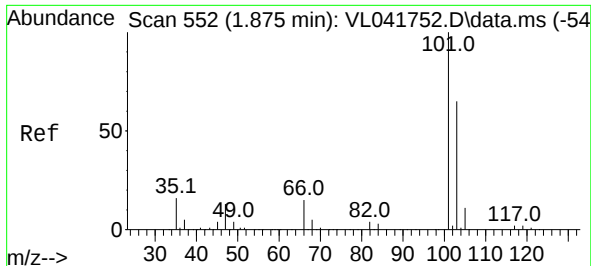
Tgt Ion: 43 Resp: 121577

Ion Ratio Lower Upper

43 100

57 48.2 38.5 57.7





#11

Trichlorofluoromethane

Concen: 8.885 ppbv

RT: 1.881 min Scan# 51

Delta R.T. 0.006 min

Lab File: VL041816.D

Acq: 19 Dec 2024 03:31

Instrument :

MSVOA_L

ClientSampleId :

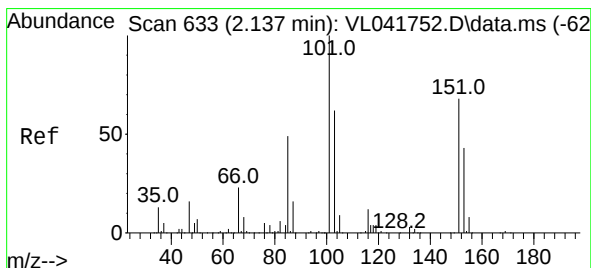
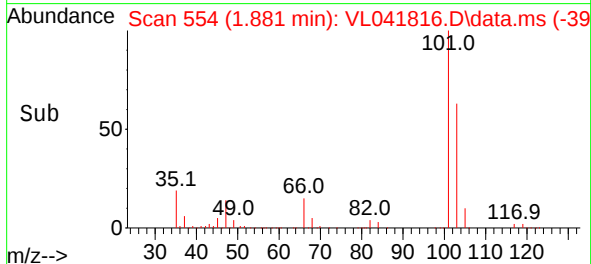
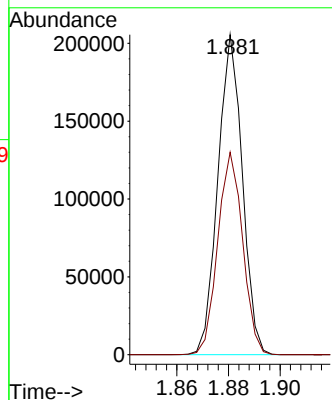
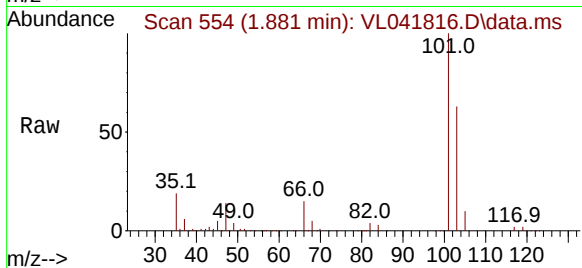
VSTDCCC010EC

Tgt Ion:101 Resp: 135114

Ion Ratio Lower Upper

101 100

103 63.3 51.8 77.8



#12

1,1,2-Trichlorotrifluoroethane

Concen: 8.518 ppbv

RT: 2.143 min Scan# 635

Delta R.T. 0.006 min

Lab File: VL041816.D

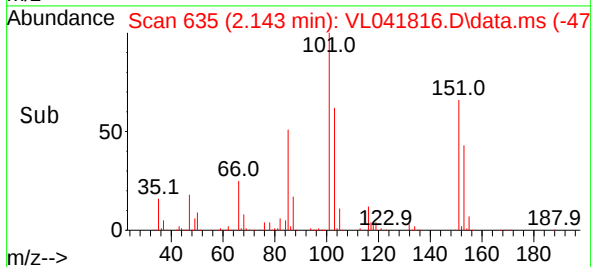
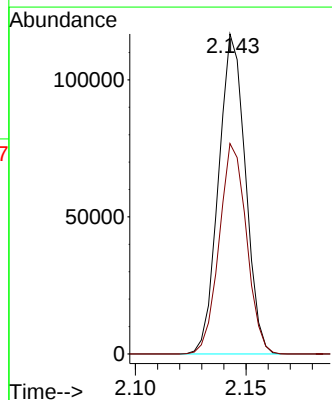
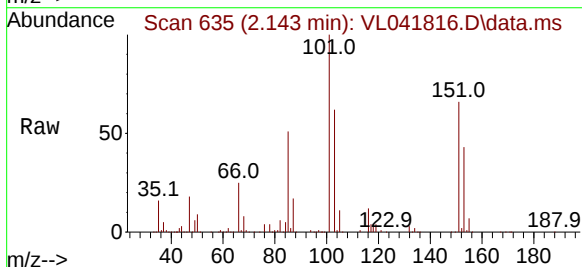
Acq: 19 Dec 2024 03:31

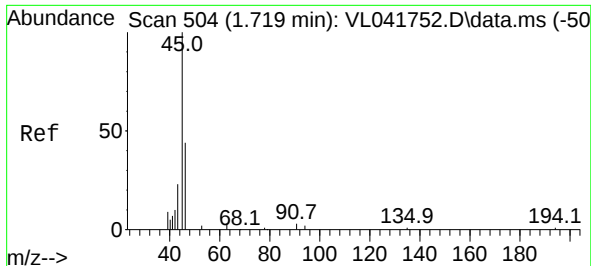
Tgt Ion:101 Resp: 98518

Ion Ratio Lower Upper

101 100

151 66.8 56.8 85.2





#13

Ethanol

Concen: 5.636 ppbv

RT: 1.725 min Scan# 504

Delta R.T. 0.006 min

Lab File: VL041816.D

Acq: 19 Dec 2024 03:31

Instrument :

MSVOA_L

ClientSampleId :

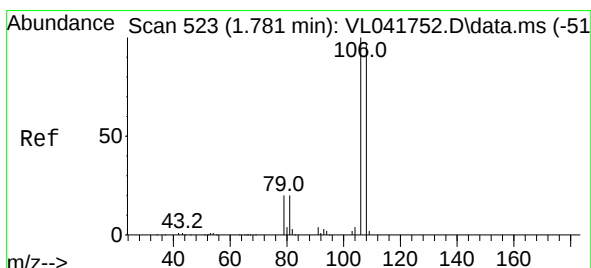
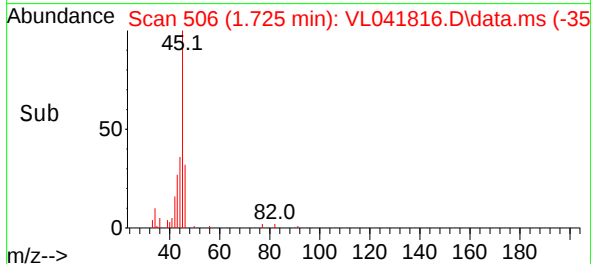
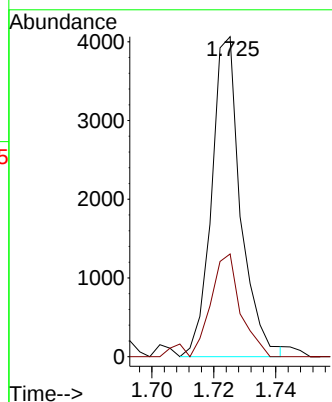
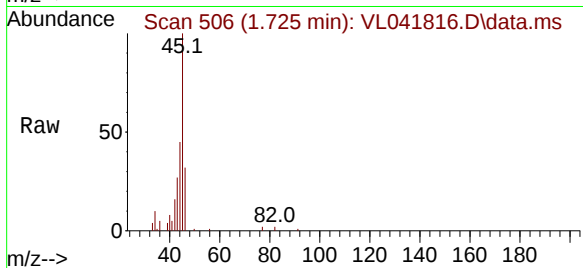
VSTDCCC010EC

Tgt Ion: 45 Resp: 2654

Ion Ratio Lower Upper

45 100

46 34.4 16.4 65.8



#14

Bromoethene

Concen: 8.136 ppbv

RT: 1.783 min Scan# 524

Delta R.T. 0.003 min

Lab File: VL041816.D

Acq: 19 Dec 2024 03:31

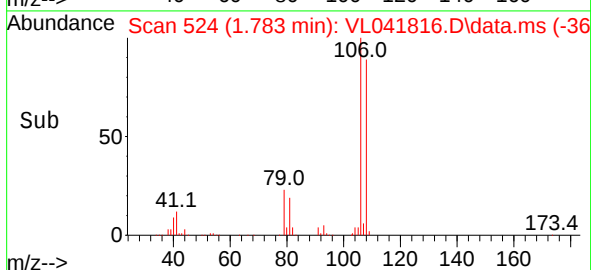
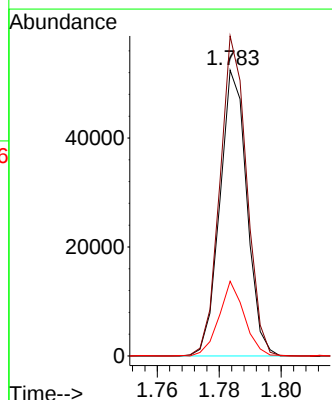
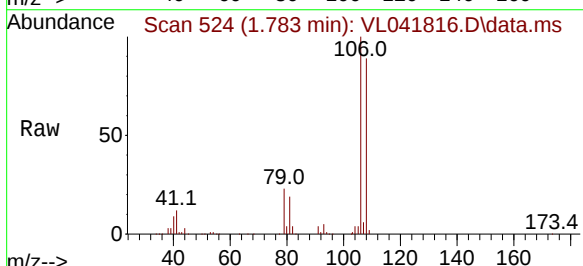
Tgt Ion:108 Resp: 31772

Ion Ratio Lower Upper

108 100

106 110.9 84.1 126.1

79 24.7 17.4 26.0





#15

Acetone

Concen: 7.712 ppbv

RT: 1.839 min Scan# 541

Delta R.T. 0.006 min

Lab File: VL041816.D

Acq: 19 Dec 2024 03:31

Instrument :

MSVOA_L

ClientSampleId :

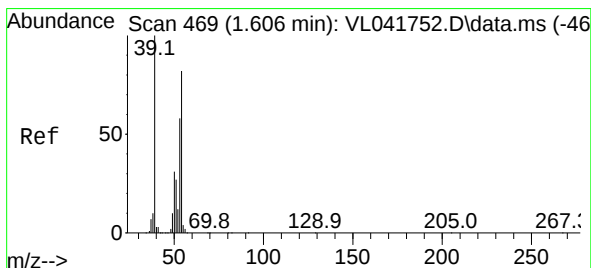
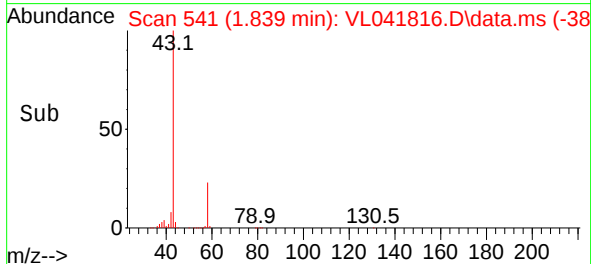
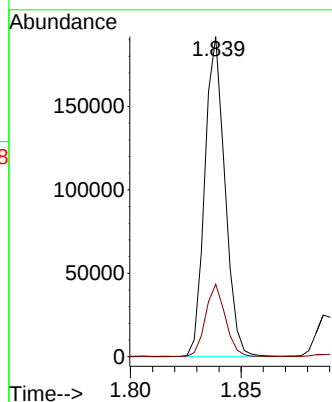
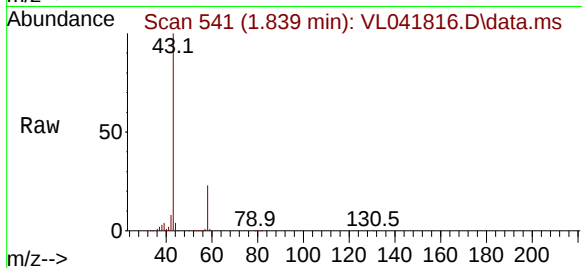
VSTDCCC010EC

Tgt Ion: 43 Resp: 120737

Ion Ratio Lower Upper

43 100

58 22.5 19.7 29.5



#16

1,3-Butadiene

Concen: 9.213 ppbv

RT: 1.612 min Scan# 471

Delta R.T. 0.006 min

Lab File: VL041816.D

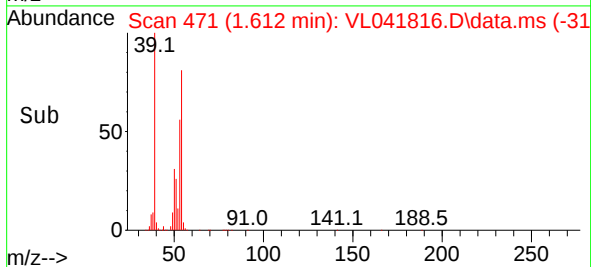
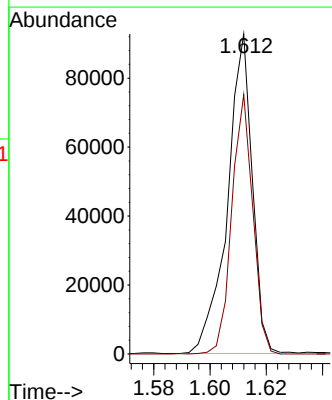
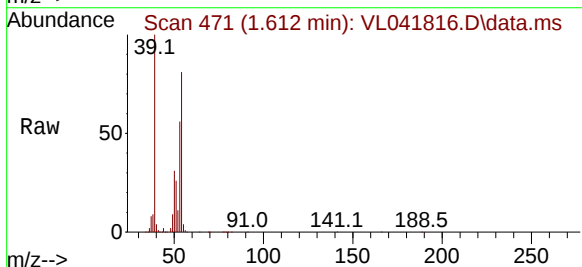
Acq: 19 Dec 2024 03:31

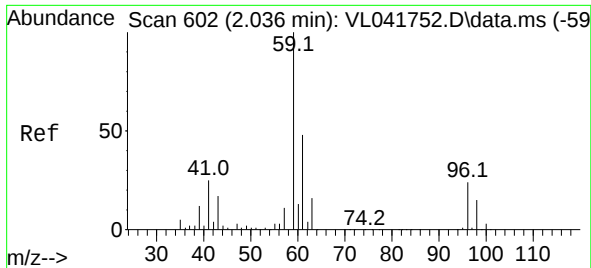
Tgt Ion: 39 Resp: 56794

Ion Ratio Lower Upper

39 100

54 68.6 58.4 87.6





#17

tert-Butyl alcohol

Concen: 8.412 ppbv

RT: 2.042 min Scan# 604

Delta R.T. 0.006 min

Lab File: VL041816.D

Acq: 19 Dec 2024 03:31

Instrument :

MSVOA_L

ClientSampleId :

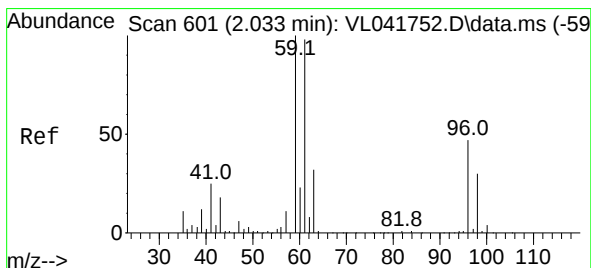
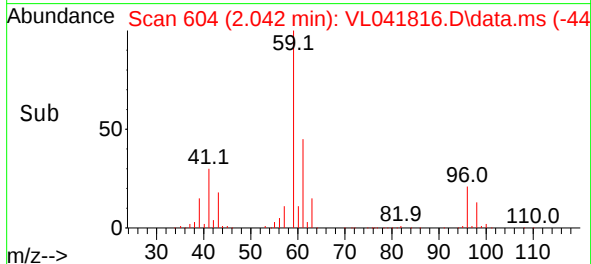
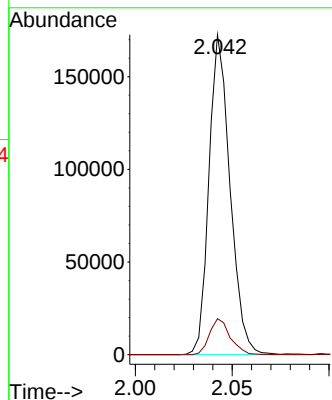
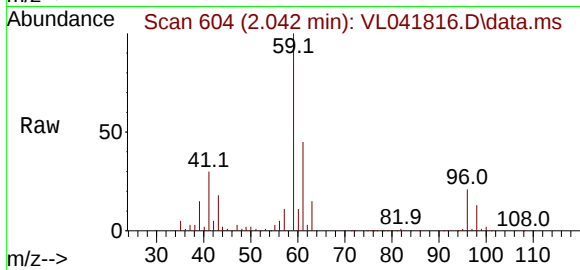
VSTDCCC010EC

Tgt Ion: 59 Resp: 130646

Ion Ratio Lower Upper

59 100

57 11.1 8.6 13.0



#18

1,1-Dichloroethene

Concen: 8.683 ppbv

RT: 2.039 min Scan# 603

Delta R.T. 0.006 min

Lab File: VL041816.D

Acq: 19 Dec 2024 03:31

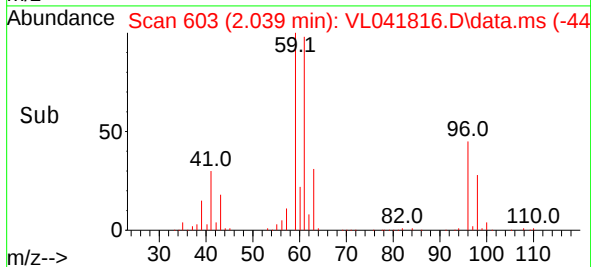
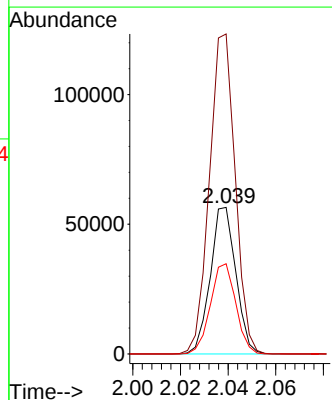
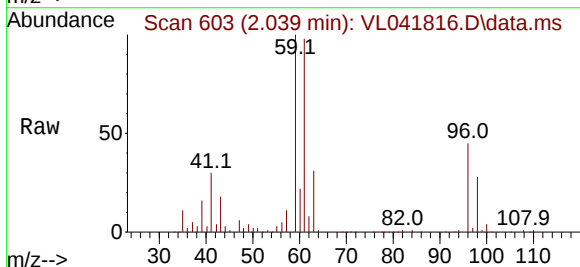
Tgt Ion: 96 Resp: 42108

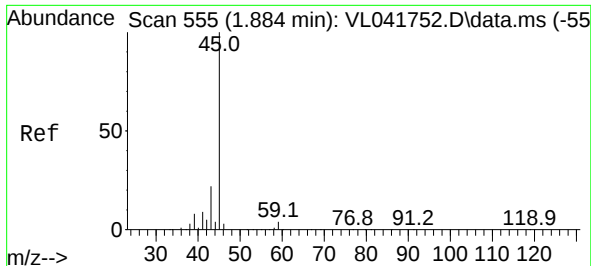
Ion Ratio Lower Upper

96 100

61 218.3 167.7 251.5

98 61.6 51.1 76.7





#19

Isopropyl Alcohol

Concen: 6.268 ppbv

RT: 1.887 min Scan# 51

Delta R.T. 0.003 min

Lab File: VL041816.D

Acq: 19 Dec 2024 03:31

Instrument :

MSVOA_L

ClientSampleId :

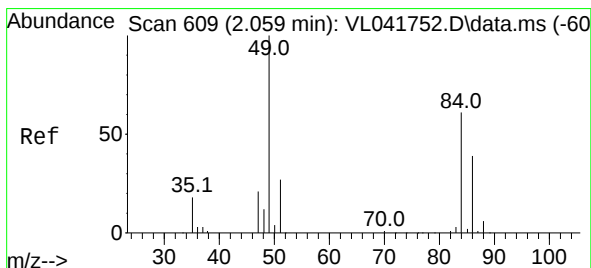
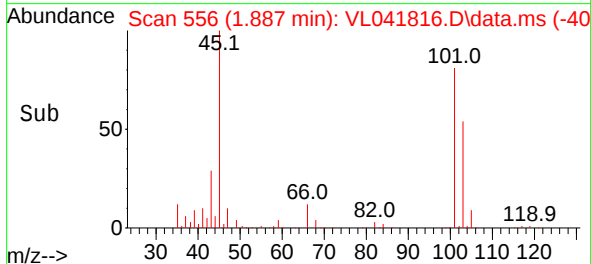
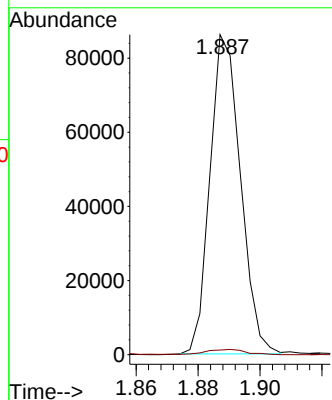
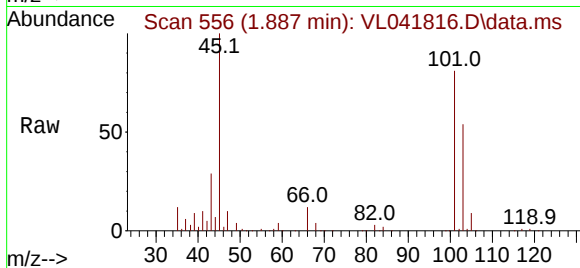
VSTDCCC010EC

Tgt Ion: 45 Resp: 58883

Ion Ratio Lower Upper

45 100

58 2.2 33.3 49.9#



#20

Methylene Chloride

Concen: 8.015 ppbv

RT: 2.065 min Scan# 611

Delta R.T. 0.006 min

Lab File: VL041816.D

Acq: 19 Dec 2024 03:31

Tgt Ion: 84 Resp: 35778

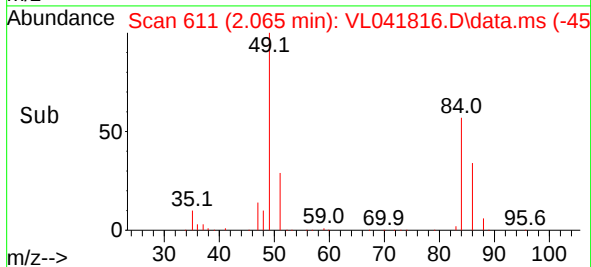
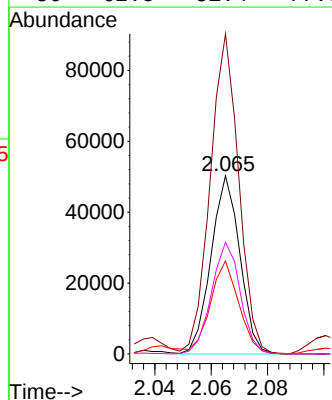
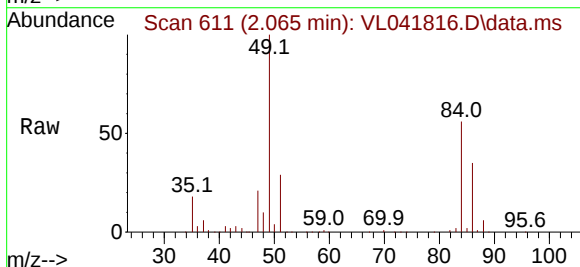
Ion Ratio Lower Upper

84 100

49 179.4 132.6 198.8

51 51.7 37.6 56.4

86 62.5 51.4 77.0





#21

Allyl Chloride

Concen: 8.948 ppbv

RT: 2.101 min Scan# 61

Delta R.T. 0.006 min

Lab File: VL041816.D

Acq: 19 Dec 2024 03:31

Instrument :

MSVOA_L

ClientSampleId :

VSTDC0010EC

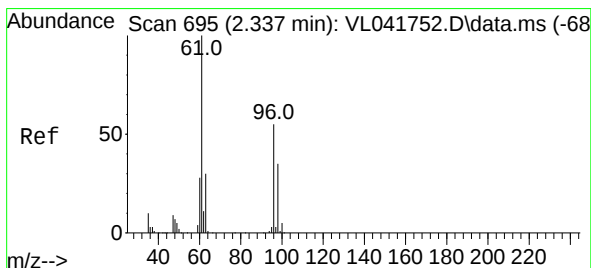
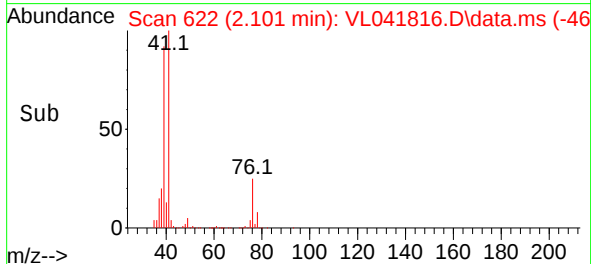
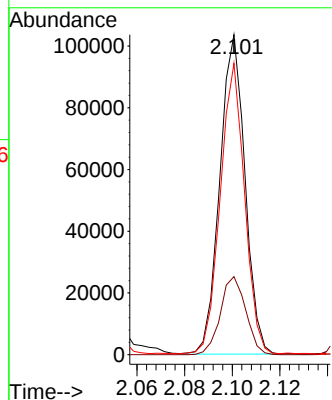
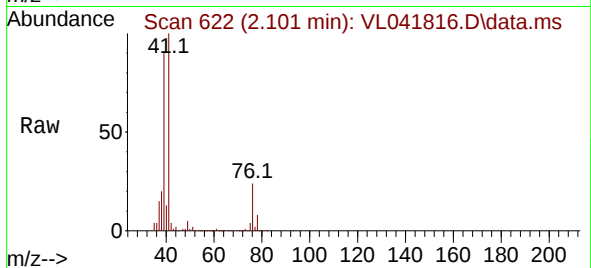
Tgt Ion: 41 Resp: 75977

Ion Ratio Lower Upper

41 100

76 24.6 22.3 33.5

39 87.8 69.2 103.8



#22

trans-1,2-Dichloroethene

Concen: 8.185 ppbv

RT: 2.347 min Scan# 698

Delta R.T. 0.009 min

Lab File: VL041816.D

Acq: 19 Dec 2024 03:31

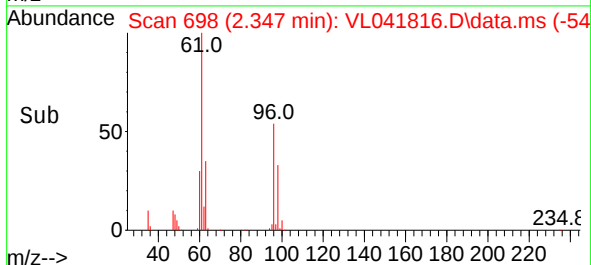
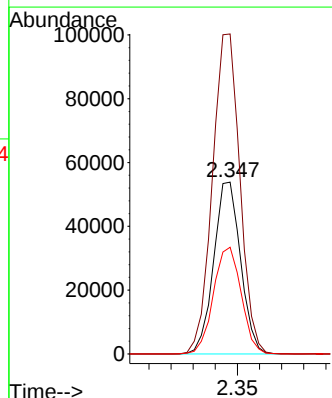
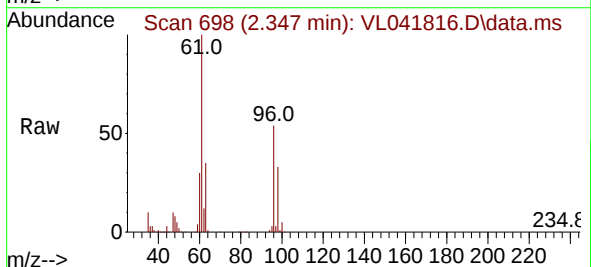
Tgt Ion: 96 Resp: 45432

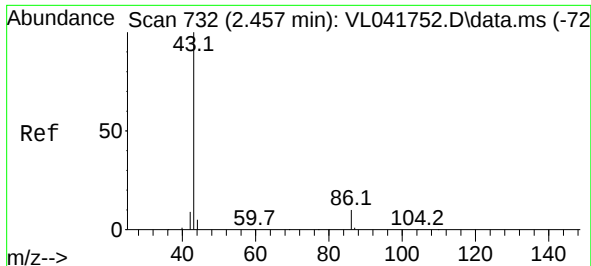
Ion Ratio Lower Upper

96 100

61 186.1 146.3 219.5

98 62.1 50.8 76.2

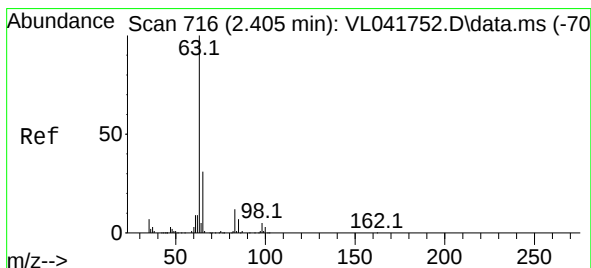
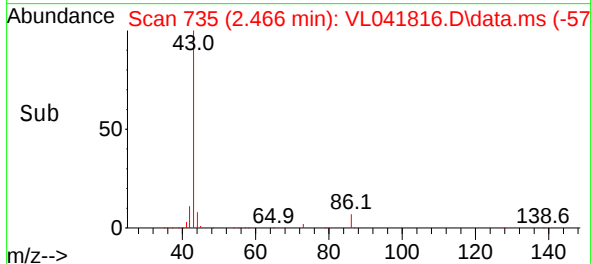
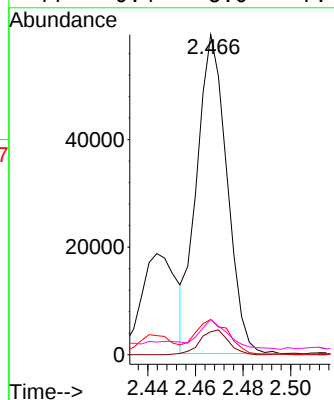
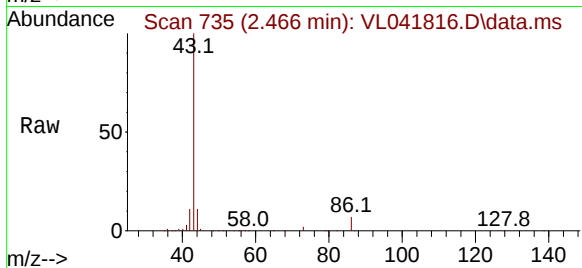




#23
 Vinyl Acetate
 Concen: 7.164 ppbv
 RT: 2.466 min Scan# 719
 Delta R.T. 0.009 min
 Lab File: VL041816.D
 Acq: 19 Dec 2024 03:31

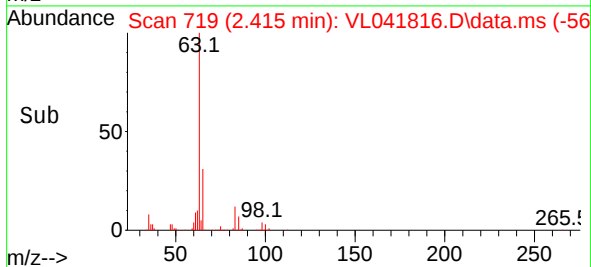
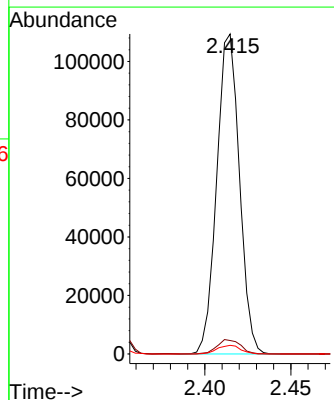
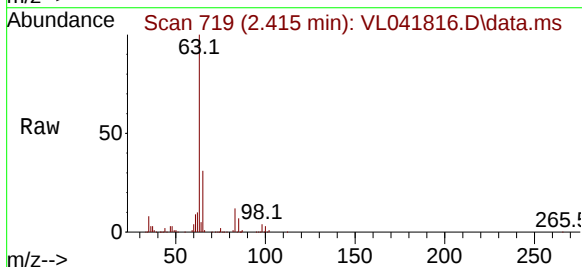
Instrument :
 MSVOA_1
 ClientSampleId :
 VSTDCCC010EC

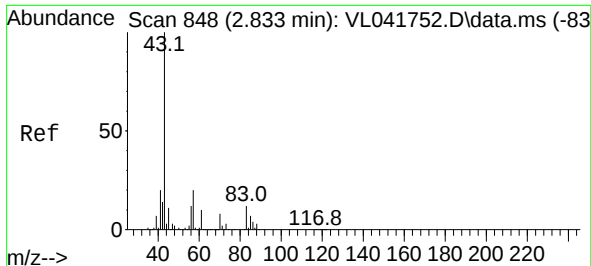
Tgt Ion:	43	Resp:	52077
Ion	Ratio	Lower	Upper
43	100		
86	7.0	6.6	10.0
42	10.8	8.2	12.2
44	9.4	5.0	7.4



#24
 1,1-Dichloroethane
 Concen: 8.933 ppbv
 RT: 2.415 min Scan# 719
 Delta R.T. 0.009 min
 Lab File: VL041816.D
 Acq: 19 Dec 2024 03:31

Tgt Ion:	63	Resp:	100372
Ion	Ratio	Lower	Upper
63	100		
98	4.2	2.3	6.8
100	2.7	1.4	4.2





#25

Ethyl Acetate

Concen: 8.627 ppbv

RT: 2.842 min Scan# 848

Delta R.T. 0.009 min

Lab File: VL041816.D

Acq: 19 Dec 2024 03:31

Instrument :

MSVOA_1

ClientSampleId :

VSTDC0010EC

Tgt Ion: 43 Resp: 251237

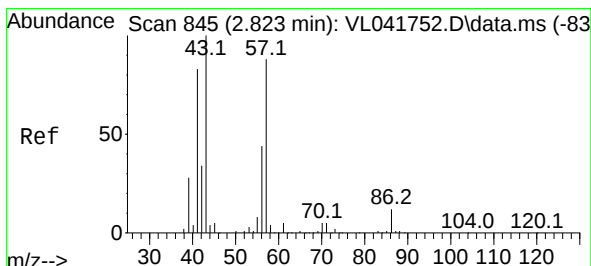
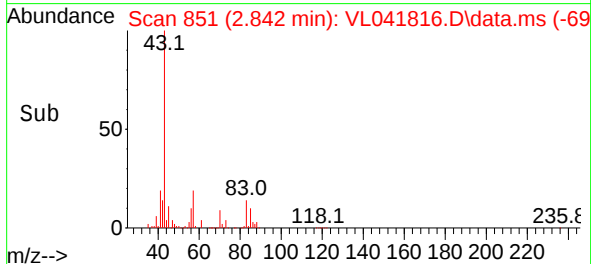
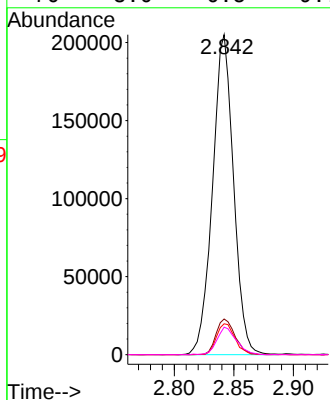
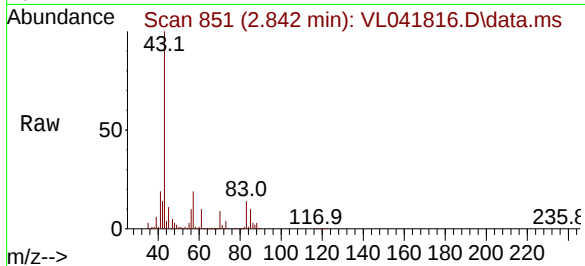
Ion Ratio Lower Upper

43 100

45 10.1 8.1 12.1

61 8.5 7.0 10.6

70 8.0 6.5 9.7



#26

Hexane

Concen: 8.257 ppbv

RT: 2.832 min Scan# 848

Delta R.T. 0.009 min

Lab File: VL041816.D

Acq: 19 Dec 2024 03:31

Tgt Ion: 57 Resp: 91261

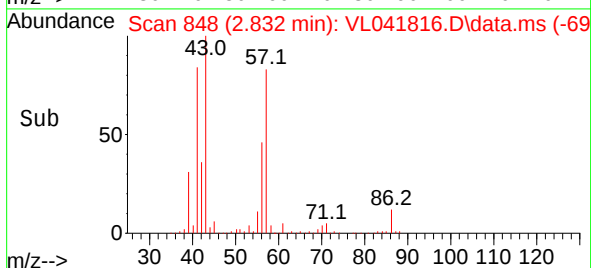
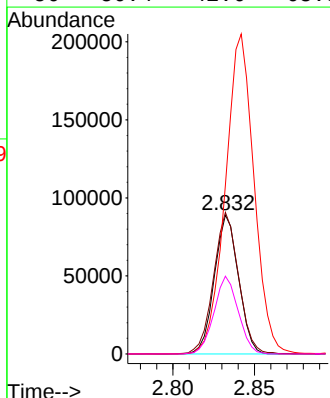
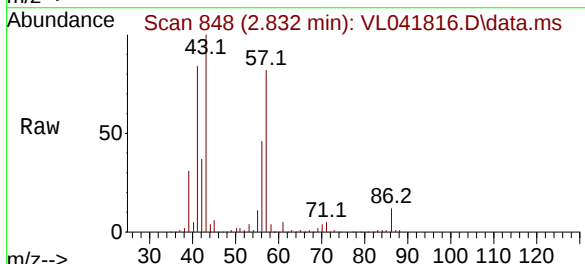
Ion Ratio Lower Upper

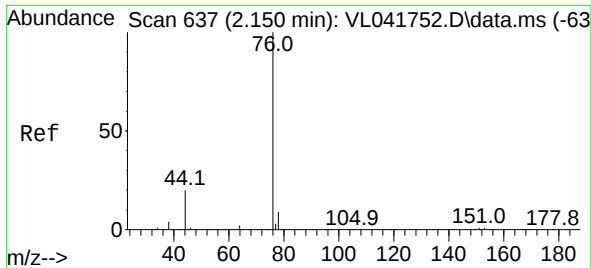
57 100

41 106.7 79.6 119.4

43 276.5 211.0 316.6

56 56.4 42.6 63.8





#27

Carbon Disulfide

Concen: 7.828 ppbv

RT: 2.156 min Scan# 61

Delta R.T. 0.006 min

Lab File: VL041816.D

Acq: 19 Dec 2024 03:31

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

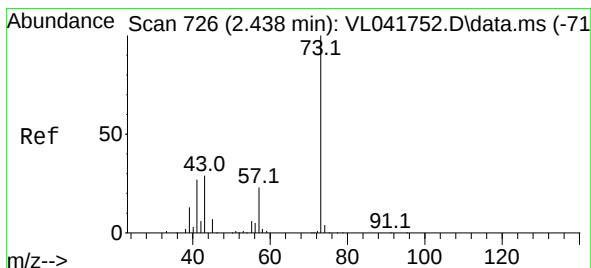
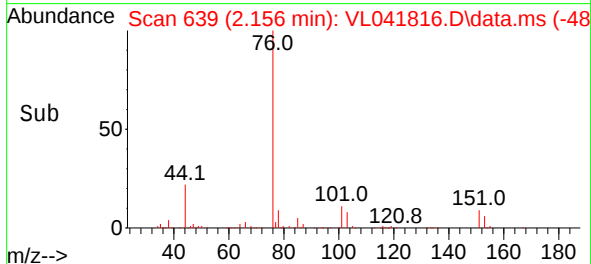
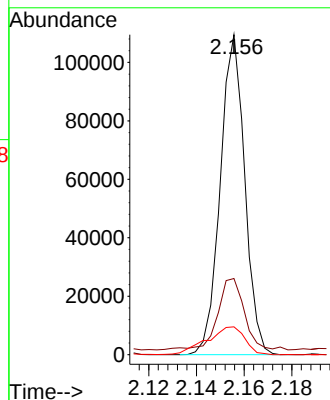
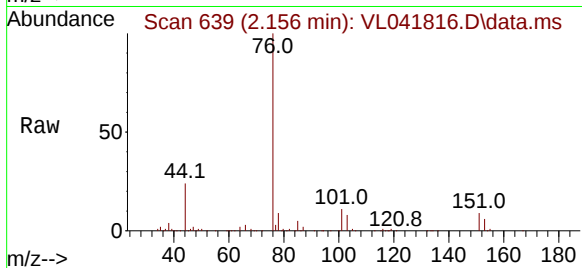
Tgt Ion: 76 Resp: 77966

Ion Ratio Lower Upper

76 100

44 24.0 17.6 26.4

78 13.5 10.2 15.4



#28

Methyl tert-Butyl Ether

Concen: 6.991 ppbv

RT: 2.444 min Scan# 728

Delta R.T. 0.006 min

Lab File: VL041816.D

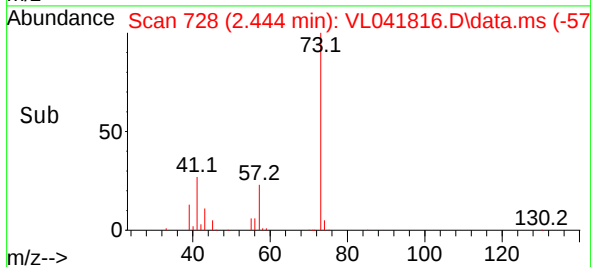
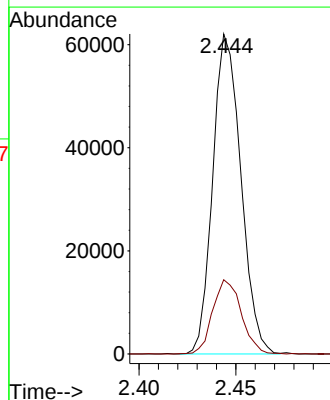
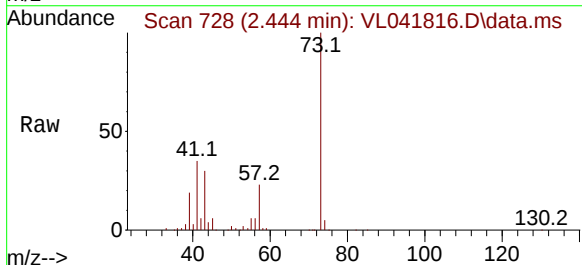
Acq: 19 Dec 2024 03:31

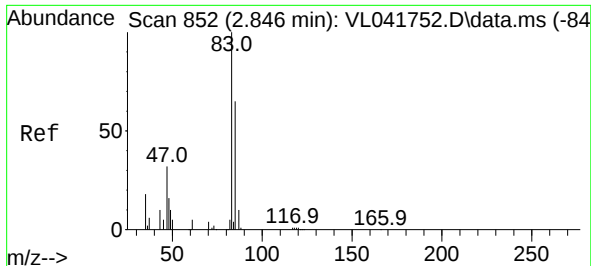
Tgt Ion: 73 Resp: 62687

Ion Ratio Lower Upper

73 100

57 23.6 17.6 26.4





#29

Chloroform

Concen: 8.982 ppbv

RT: 2.855 min Scan# 85

Delta R.T. 0.009 min

Lab File: VL041816.D

Acq: 19 Dec 2024 03:31

Instrument :

MSVOA_L

ClientSampleId :

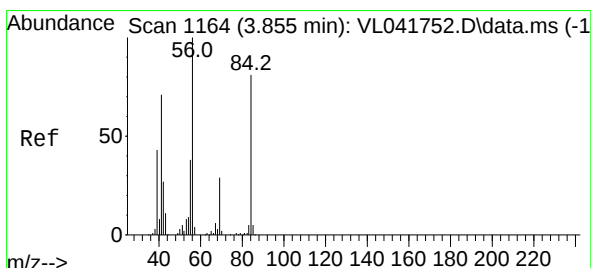
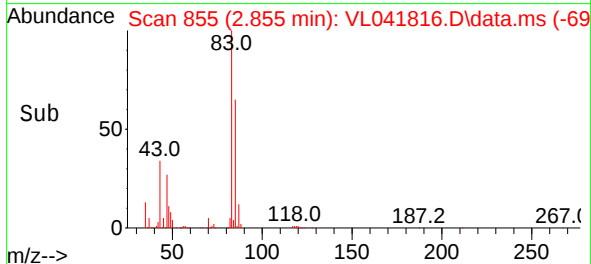
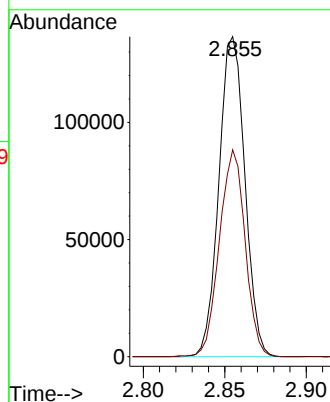
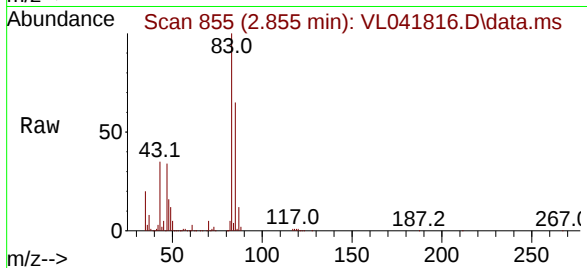
VSTDCCC010EC

Tgt Ion: 83 Resp: 151278

Ion Ratio Lower Upper

83 100

85 64.6 51.8 77.6



#30

Cyclohexane

Concen: 7.882 ppbv

RT: 3.865 min Scan# 1167

Delta R.T. 0.009 min

Lab File: VL041816.D

Acq: 19 Dec 2024 03:31

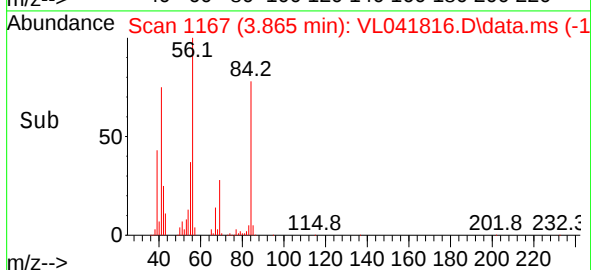
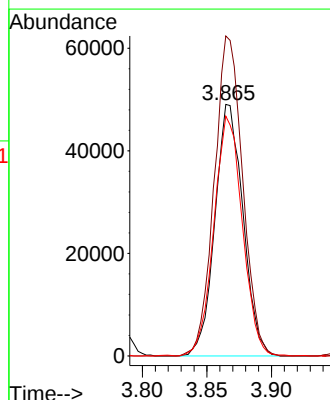
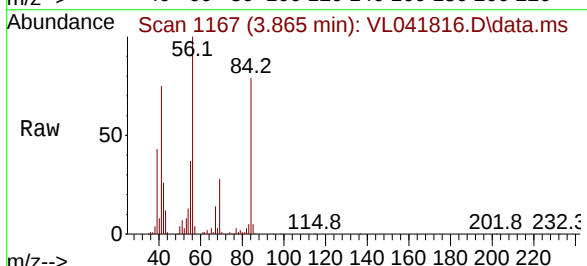
Tgt Ion: 84 Resp: 74123

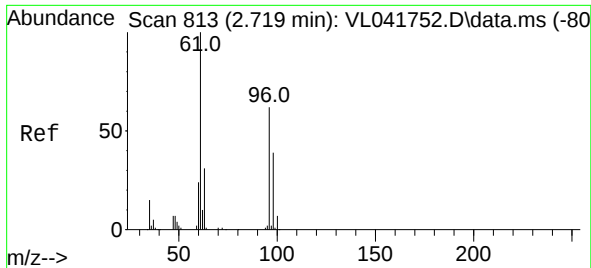
Ion Ratio Lower Upper

84 100

56 128.8 102.3 153.5

41 97.0 74.0 111.0

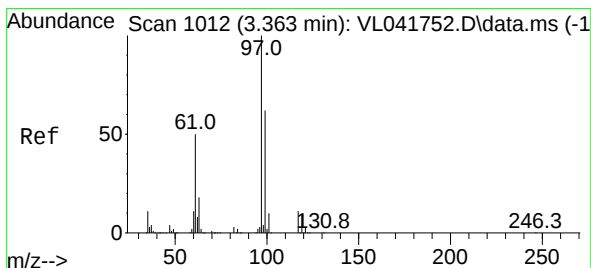
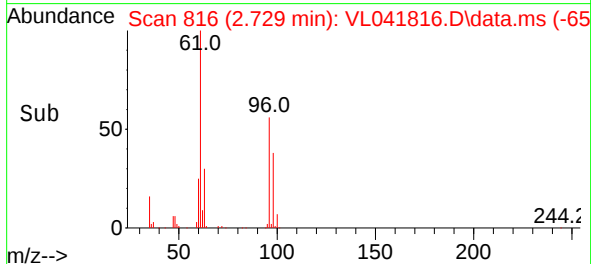
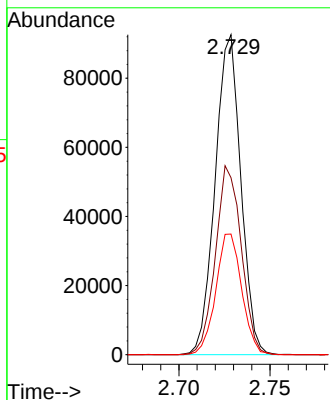
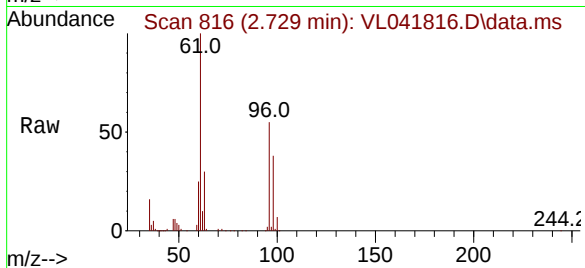




#31
 cis-1,2-Dichloroethene
 Concen: 7.961 ppbv
 RT: 2.729 min Scan# 813
 Delta R.T. 0.009 min
 Lab File: VL041816.D
 Acq: 19 Dec 2024 03:31

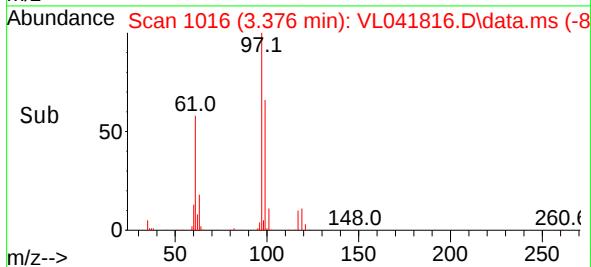
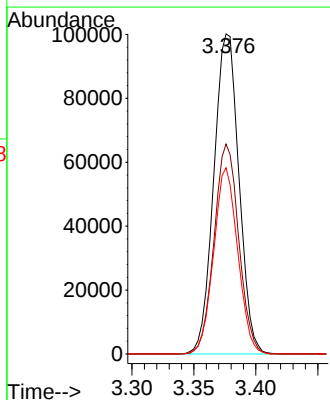
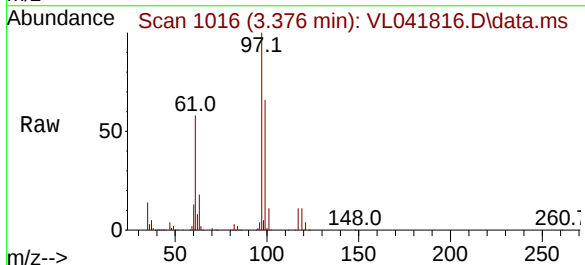
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

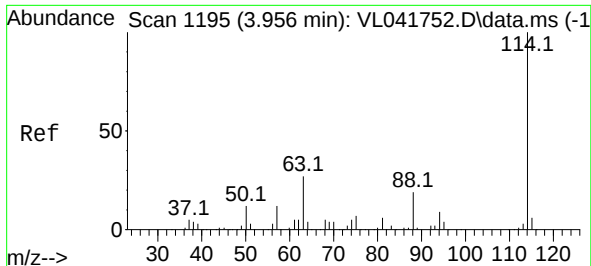
Tgt Ion: 61 Resp: 90920
 Ion Ratio Lower Upper
 61 100
 96 55.3 49.7 74.5
 98 37.7 30.8 46.2



#32
 1,1,1-Trichloroethane
 Concen: 8.269 ppbv
 RT: 3.376 min Scan# 1016
 Delta R.T. 0.012 min
 Lab File: VL041816.D
 Acq: 19 Dec 2024 03:31

Tgt Ion: 97 Resp: 141589
 Ion Ratio Lower Upper
 97 100
 99 64.4 51.0 76.4
 61 55.9 42.2 63.2





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.968 min Scan# 1199

Delta R.T. 0.013 min

Lab File: VL041816.D

Acq: 19 Dec 2024 03:31

Instrument :

MSVOA_1

ClientSampleId :

VSTDCCC010EC

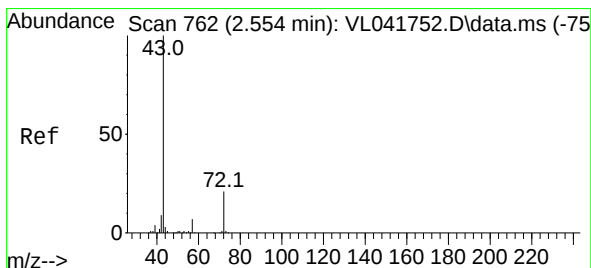
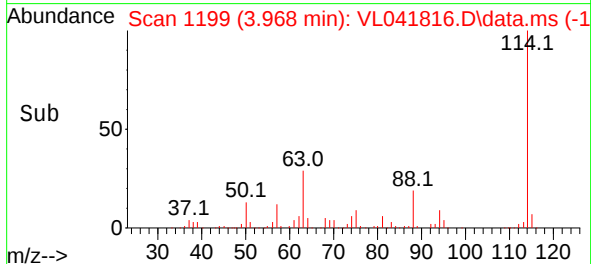
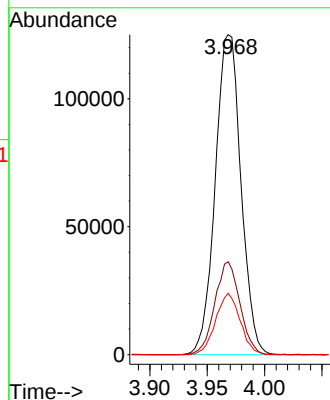
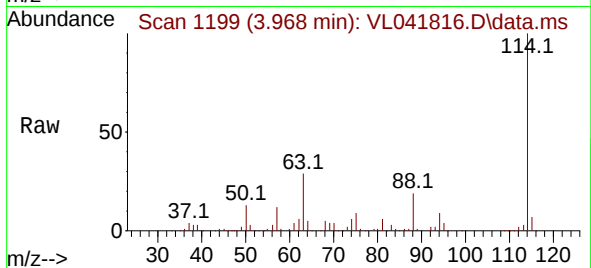
Tgt Ion:114 Resp: 194995

Ion Ratio Lower Upper

114 100

63 28.4 21.8 32.8

88 18.3 14.8 22.2



#34

2-Butanone

Concen: 9.121 ppbv

RT: 2.560 min Scan# 764

Delta R.T. 0.006 min

Lab File: VL041816.D

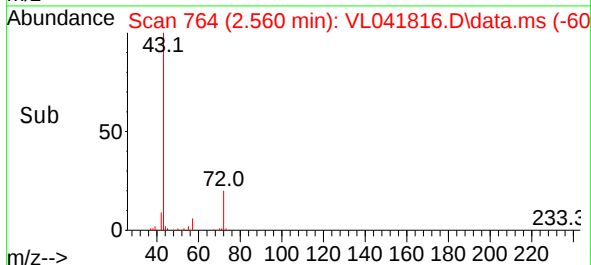
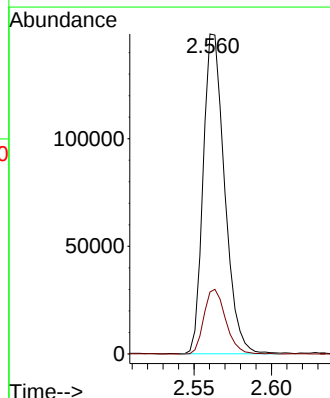
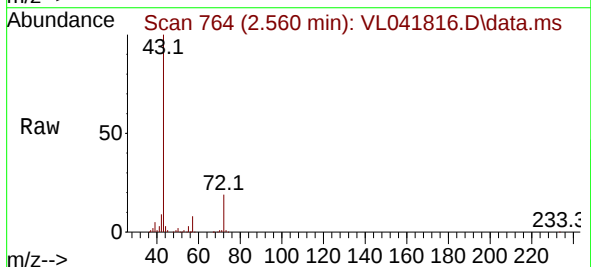
Acq: 19 Dec 2024 03:31

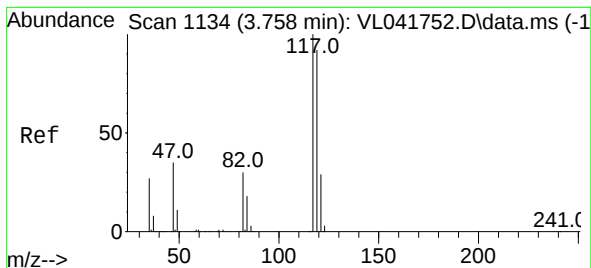
Tgt Ion: 43 Resp: 143094

Ion Ratio Lower Upper

43 100

72 20.5 16.8 25.2





#35

Carbon Tetrachloride

Concen: 10.264 ppbv

RT: 3.774 min Scan# 1139

Delta R.T. 0.016 min

Lab File: VL041816.D

Acq: 19 Dec 2024 03:31

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

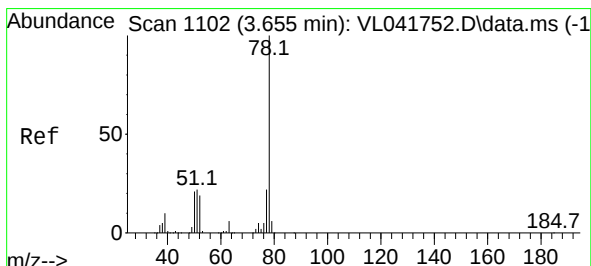
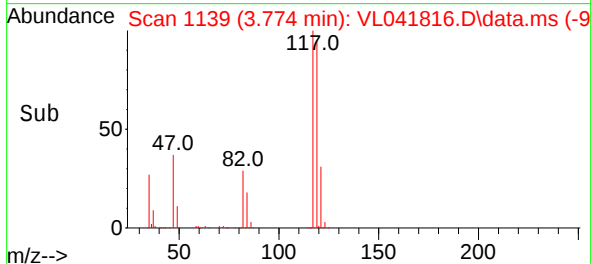
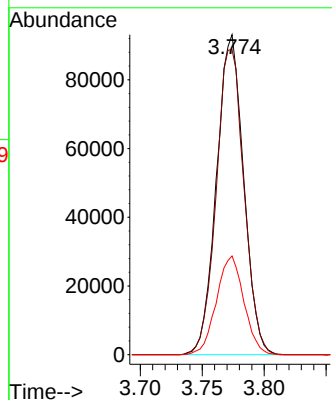
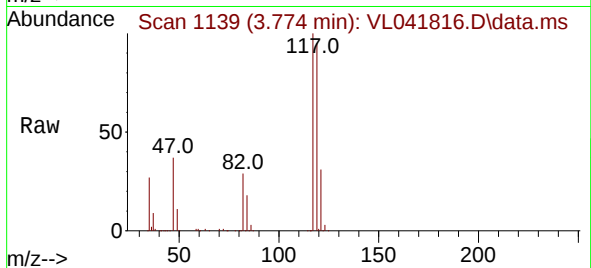
Tgt Ion:117 Resp: 142088

Ion Ratio Lower Upper

117 100

119 95.3 73.7 110.5

121 30.8 23.0 34.4



#36

Benzene

Concen: 9.012 ppbv

RT: 3.667 min Scan# 1106

Delta R.T. 0.012 min

Lab File: VL041816.D

Acq: 19 Dec 2024 03:31

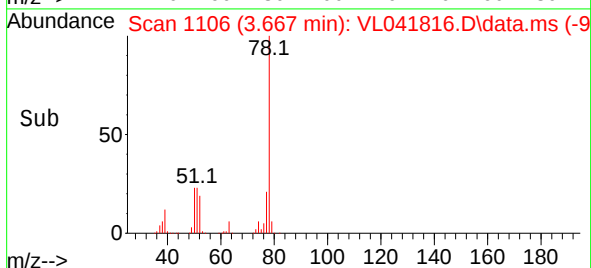
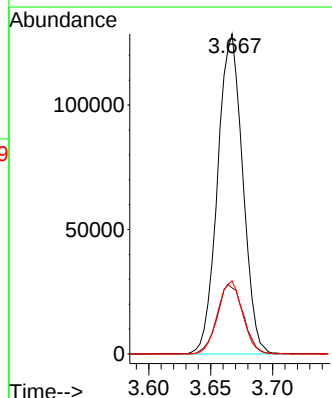
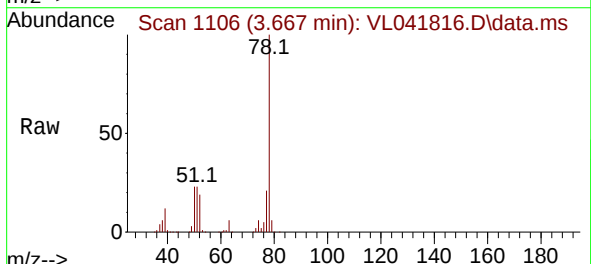
Tgt Ion: 78 Resp: 181775

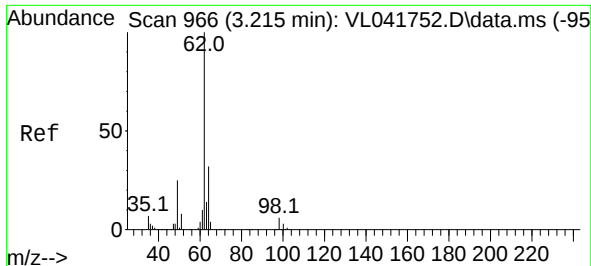
Ion Ratio Lower Upper

78 100

77 20.6 17.8 26.6

50 22.8 17.2 25.8





#37

1,2-Dichloroethane

Concen: 9.505 ppbv

RT: 3.227 min Scan# 91

Delta R.T. 0.013 min

Lab File: VL041816.D

Acq: 19 Dec 2024 03:31

Instrument :

MSVOA_L

ClientSampleId :

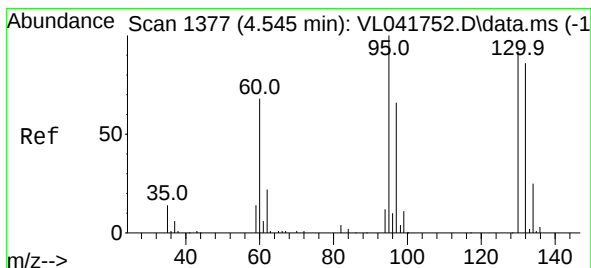
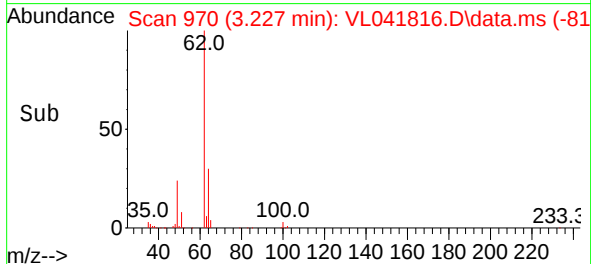
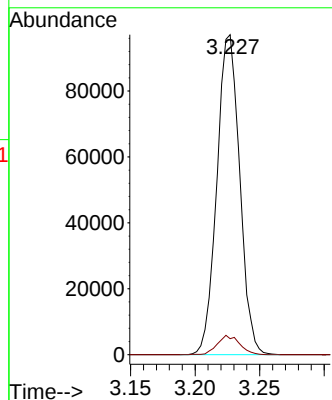
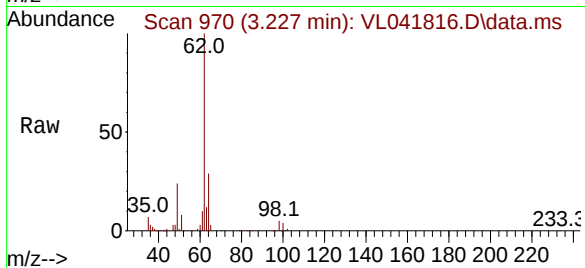
VSTDCCC010EC

Tgt Ion: 62 Resp: 119295

Ion Ratio Lower Upper

62 100

98 5.9 4.7 7.1



#38

Trichloroethene

Concen: 8.090 ppbv

RT: 4.561 min Scan# 1382

Delta R.T. 0.016 min

Lab File: VL041816.D

Acq: 19 Dec 2024 03:31

Tgt Ion:130 Resp: 69271

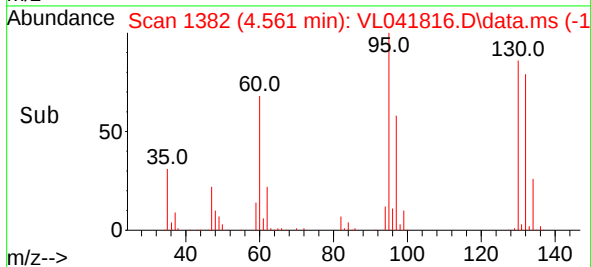
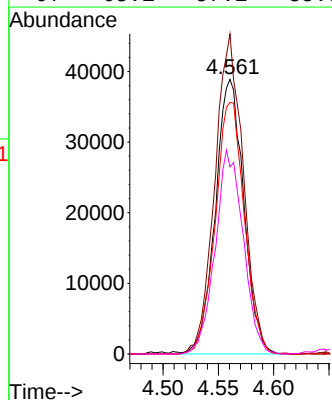
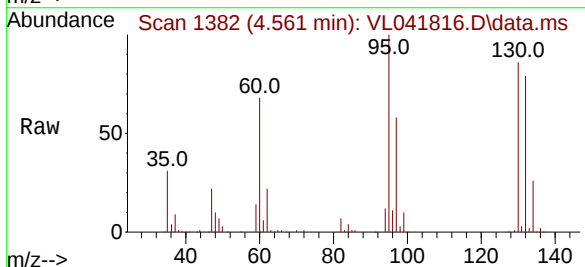
Ion Ratio Lower Upper

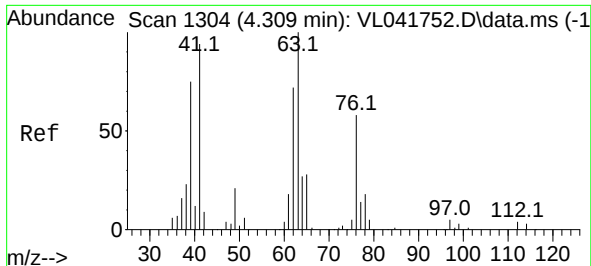
130 100

95 116.5 87.0 130.6

132 91.5 75.0 112.6

97 68.1 57.2 85.8





#39

1,2-Dichloropropane

Concen: 9.044 ppbv

RT: 4.327 min Scan# 1

Delta R.T. 0.019 min

Lab File: VL041816.D

Acq: 19 Dec 2024 03:31

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

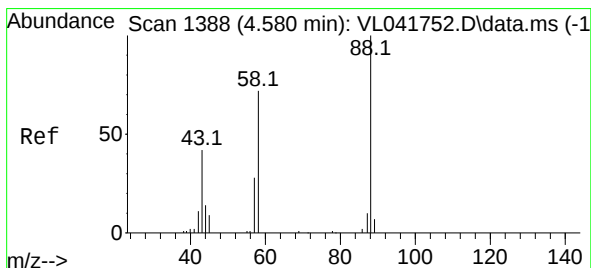
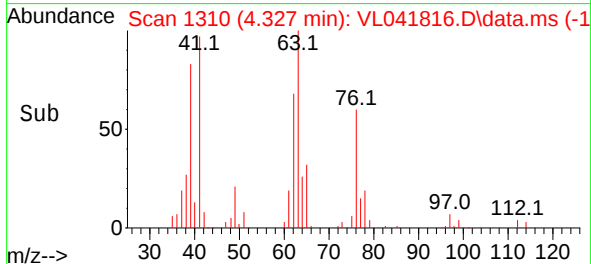
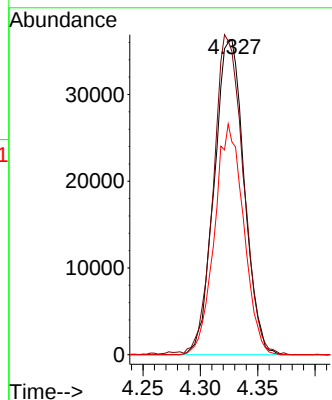
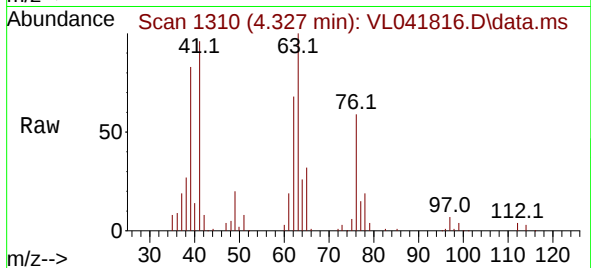
Tgt Ion: 63 Resp: 65973

Ion Ratio Lower Upper

63 100

41 96.0 75.3 112.9

62 67.5 57.3 85.9



#40

1,4-Dioxane

Concen: 7.750 ppbv

RT: 4.596 min Scan# 1393

Delta R.T. 0.016 min

Lab File: VL041816.D

Acq: 19 Dec 2024 03:31

Tgt Ion: 88 Resp: 27617

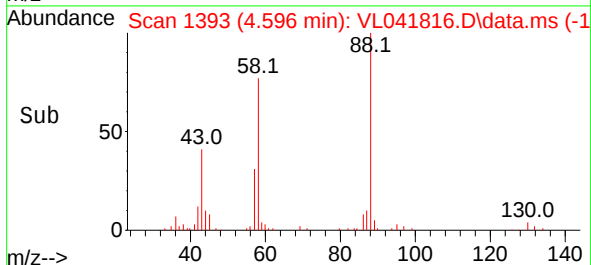
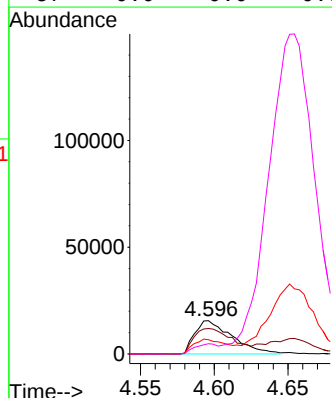
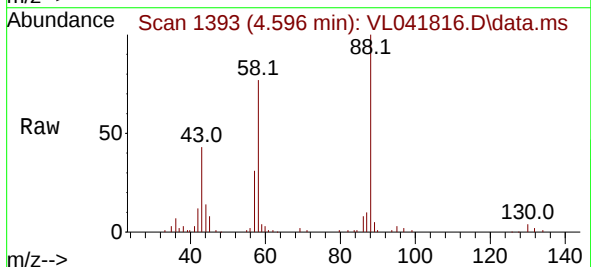
Ion Ratio Lower Upper

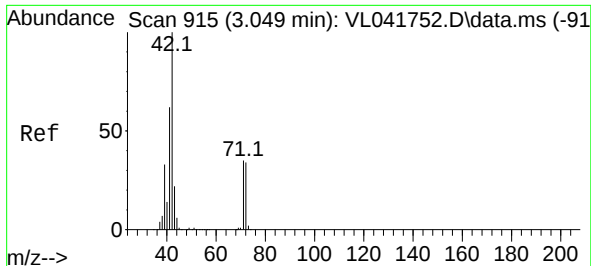
88 100

58 82.4 61.0 91.6

43 43.6 29.4 44.0

57 0.0 0.0 0.0





#41

Tetrahydrofuran

Concen: 8.793 ppbv

RT: 3.062 min Scan# 915

Delta R.T. 0.013 min

Lab File: VL041816.D

Acq: 19 Dec 2024 03:31

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

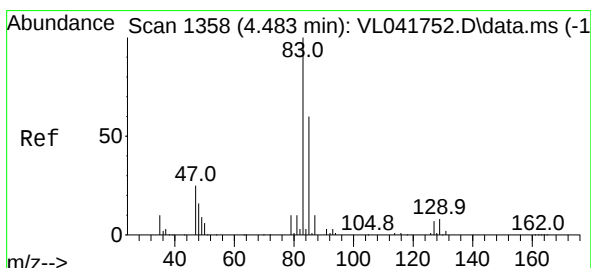
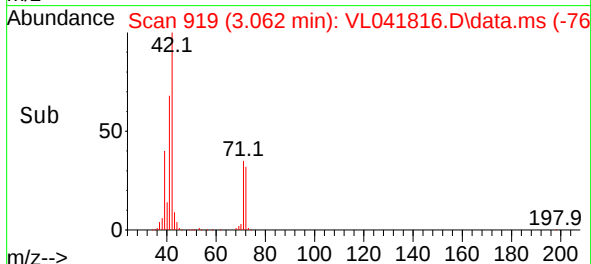
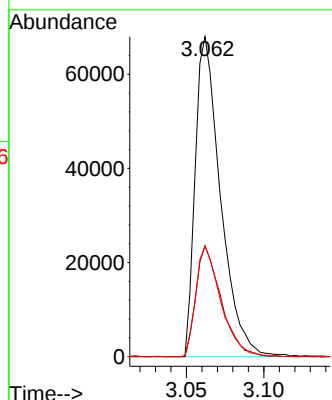
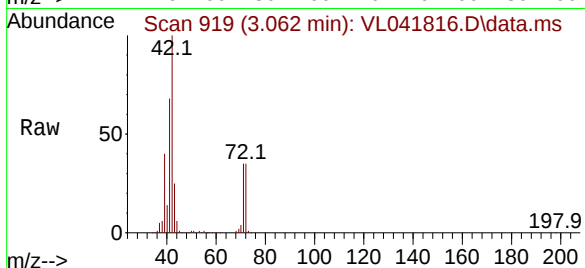
Tgt Ion: 42 Resp: 77282

Ion Ratio Lower Upper

42 100

72 34.4 29.1 43.7

71 34.2 28.4 42.6



#42

Bromodichloromethane

Concen: 9.753 ppbv

RT: 4.499 min Scan# 1363

Delta R.T. 0.016 min

Lab File: VL041816.D

Acq: 19 Dec 2024 03:31

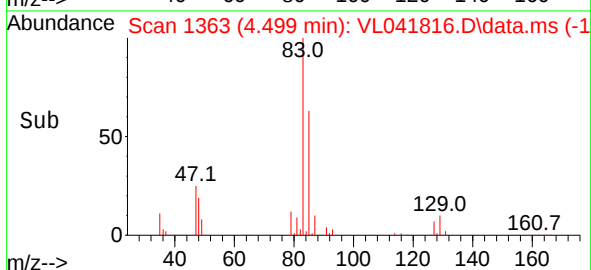
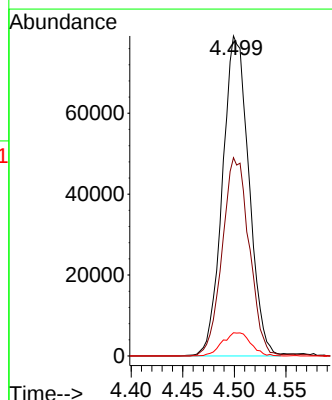
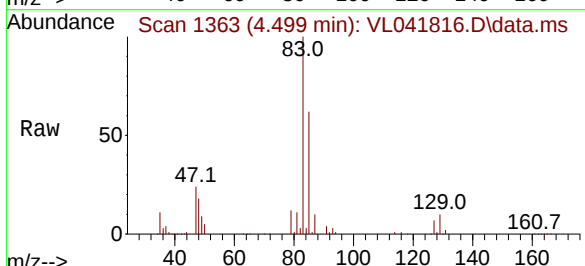
Tgt Ion: 83 Resp: 140825

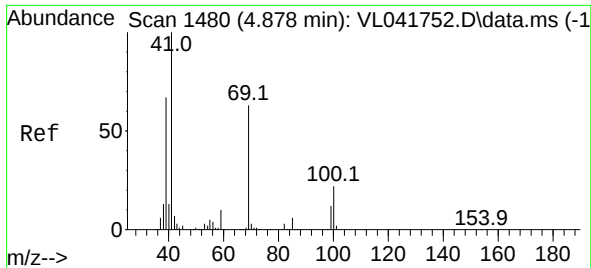
Ion Ratio Lower Upper

83 100

85 62.0 48.0 72.0

127 7.3 5.8 8.8

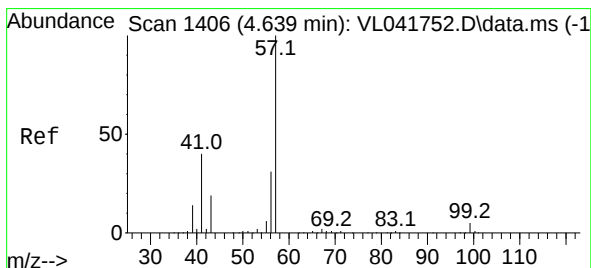
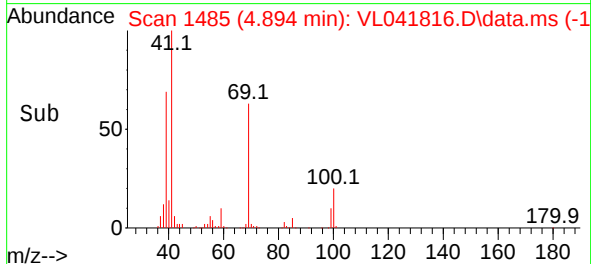
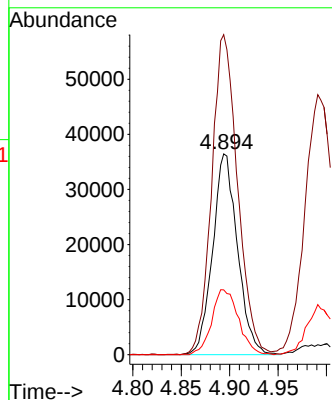
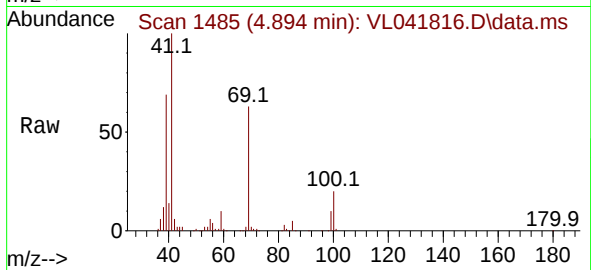




#43
Methyl Methacrylate
Concen: 8.470 ppbv
RT: 4.894 min Scan# 1411
Delta R.T. 0.016 min
Lab File: VL041816.D
Acq: 19 Dec 2024 03:31

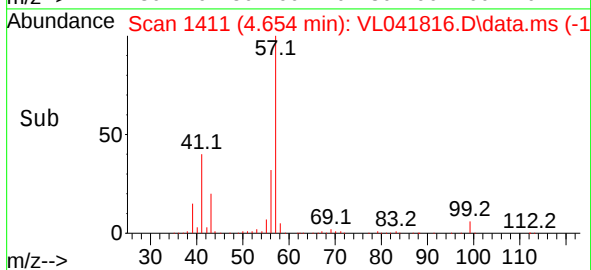
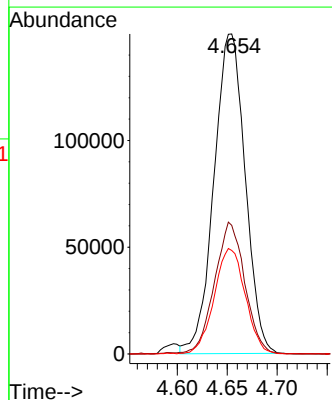
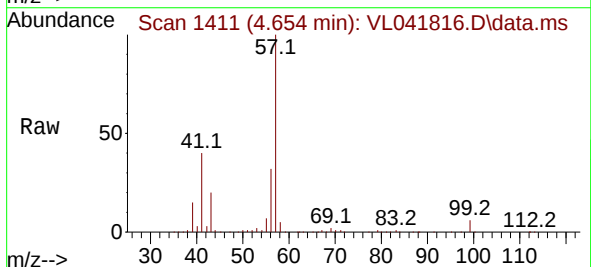
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

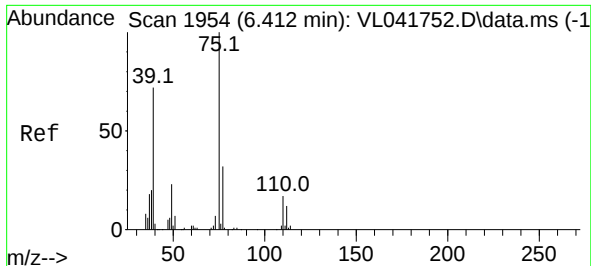
Tgt Ion: 69 Resp: 65091
Ion Ratio Lower Upper
69 100
41 166.1 130.3 195.5
100 34.8 28.3 42.5



#44
2,2,4-Trimethylpentane
Concen: 9.450 ppbv
RT: 4.654 min Scan# 1411
Delta R.T. 0.016 min
Lab File: VL041816.D
Acq: 19 Dec 2024 03:31

Tgt Ion: 57 Resp: 325525
Ion Ratio Lower Upper
57 100
41 40.4 30.7 46.1
56 33.0 25.4 38.0





#45

t-1,3-Dichloropropene

Concen: 7.389 ppbv

RT: 6.431 min Scan# 1954

Delta R.T. 0.019 min

Lab File: VL041816.D

Acq: 19 Dec 2024 03:31

Instrument :

MSVOA_1

ClientSampleId :

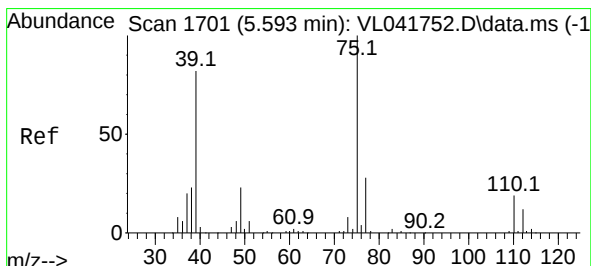
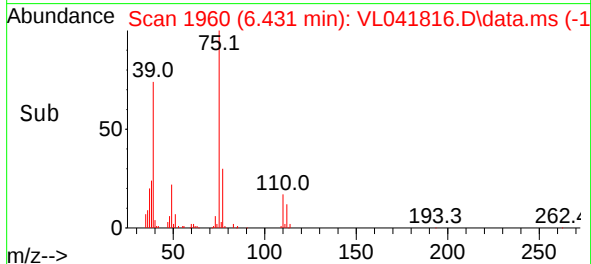
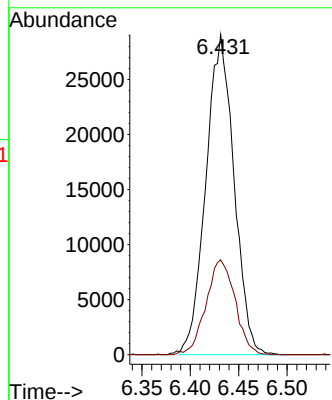
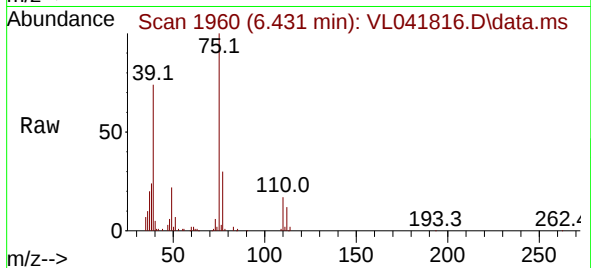
VSTDCCC010EC

Tgt Ion: 75 Resp: 58734

Ion Ratio Lower Upper

75 100

77 29.6 25.9 38.9



#46

cis-1,3-Dichloropropene

Concen: 3.993 ppbv

RT: 5.612 min Scan# 1707

Delta R.T. 0.019 min

Lab File: VL041816.D

Acq: 19 Dec 2024 03:31

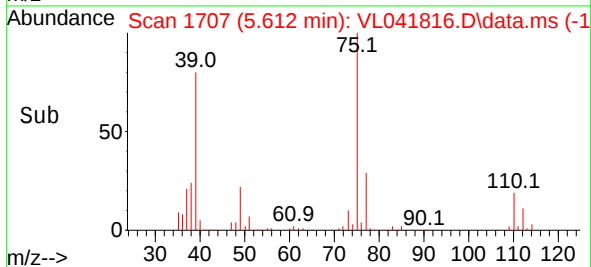
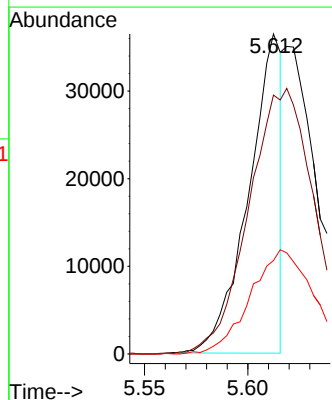
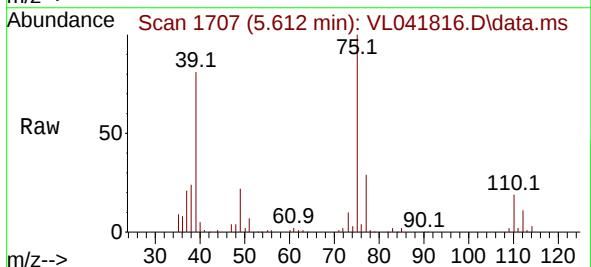
Tgt Ion: 75 Resp: 40296

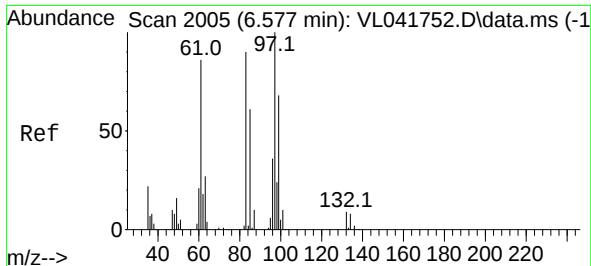
Ion Ratio Lower Upper

75 100

39 80.5 65.2 97.8

77 29.3 22.0 33.0





#47

1,1,2-Trichloroethane

Concen: 9.136 ppbv

RT: 6.596 min Scan# 20

Delta R.T. 0.019 min

Lab File: VL041816.D

Acq: 19 Dec 2024 03:31

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion: 97 Resp: 69616

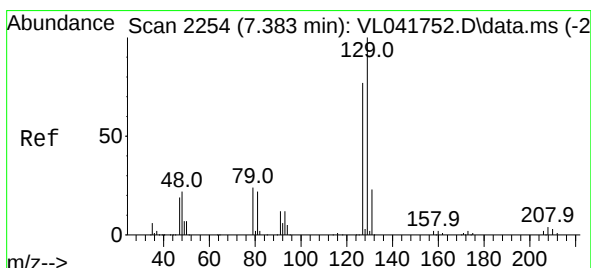
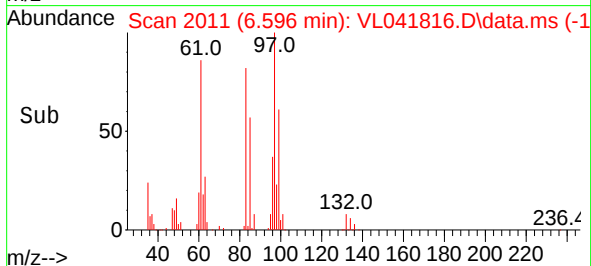
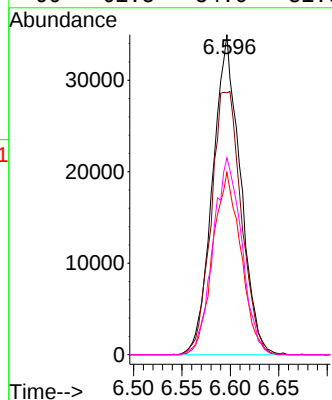
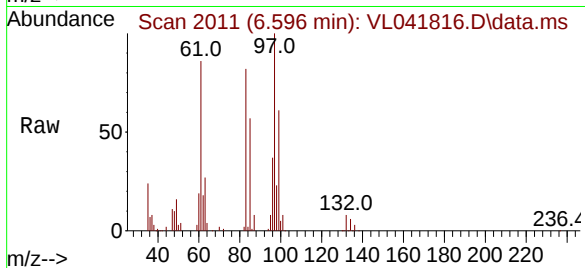
Ion Ratio Lower Upper

97 100

83 81.7 72.3 108.5

85 56.9 48.5 72.7

99 61.5 54.0 81.0



#48

Dibromochloromethane

Concen: 9.591 ppbv

RT: 7.399 min Scan# 2259

Delta R.T. 0.016 min

Lab File: VL041816.D

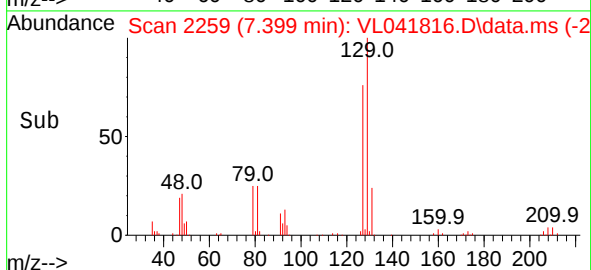
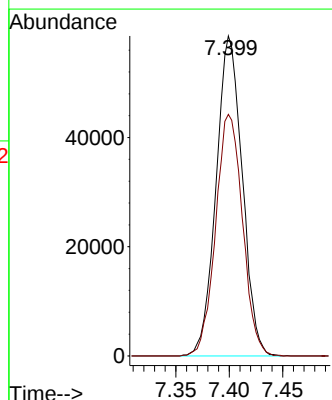
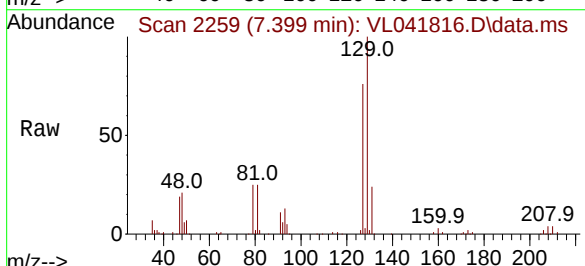
Acq: 19 Dec 2024 03:31

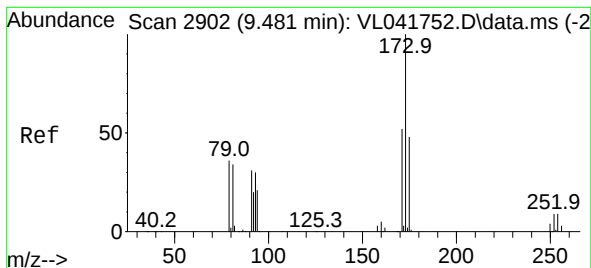
Tgt Ion: 129 Resp: 99788

Ion Ratio Lower Upper

129 100

127 77.6 38.8 116.3





#49

Bromoform

Concen: 9.136 ppbv

RT: 9.493 min Scan# 20

Delta R.T. 0.013 min

Lab File: VL041816.D

Acq: 19 Dec 2024 03:31

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

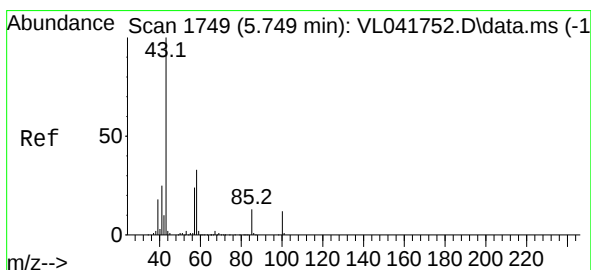
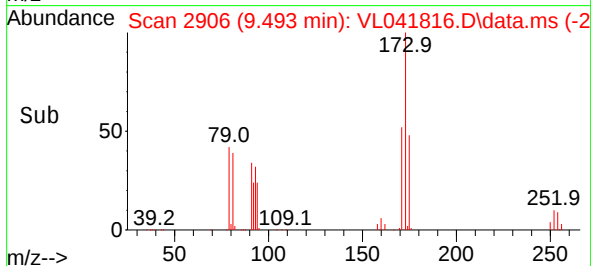
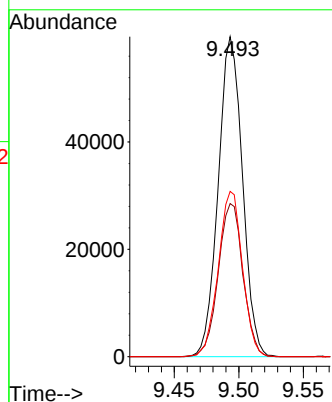
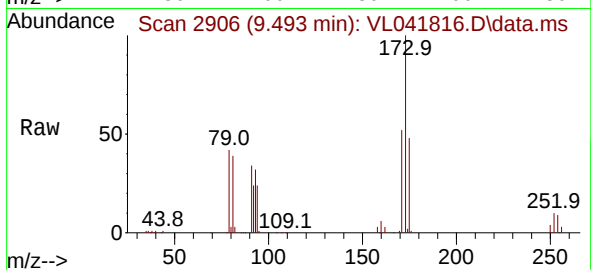
Tgt Ion:173 Resp: 77811

Ion Ratio Lower Upper

173 100

175 48.8 38.2 57.2

171 51.5 41.1 61.7



#50

4-Methyl-2-Pentanone

Concen: 9.219 ppbv

RT: 5.771 min Scan# 1756

Delta R.T. 0.022 min

Lab File: VL041816.D

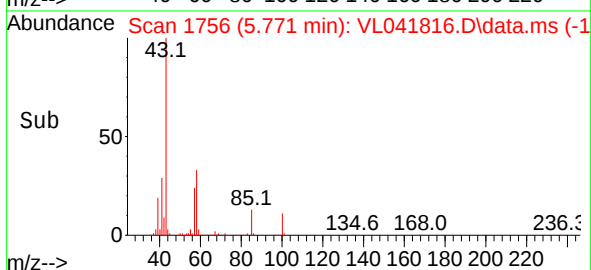
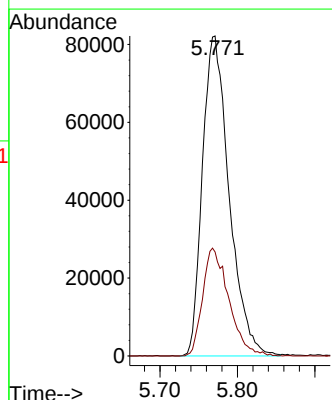
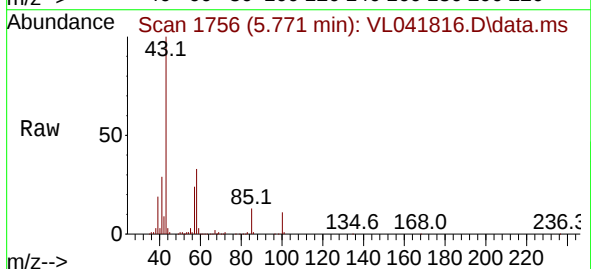
Acq: 19 Dec 2024 03:31

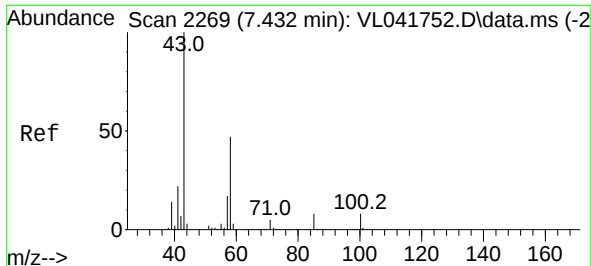
Tgt Ion: 43 Resp: 196906

Ion Ratio Lower Upper

43 100

58 33.0 26.8 40.2

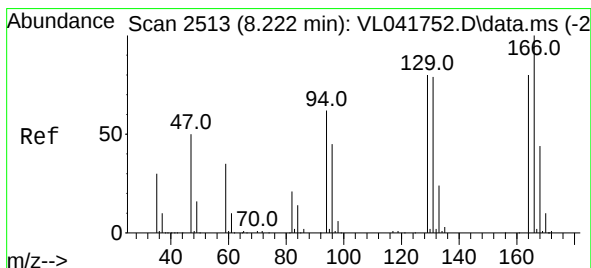
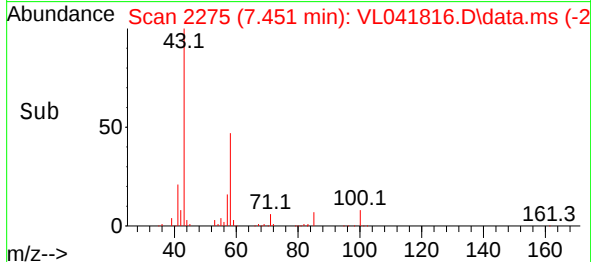
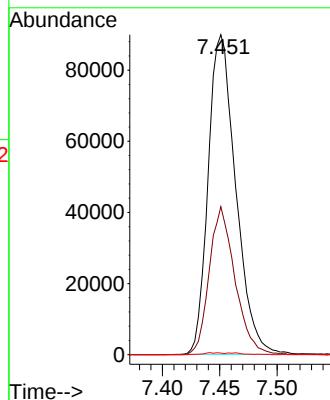
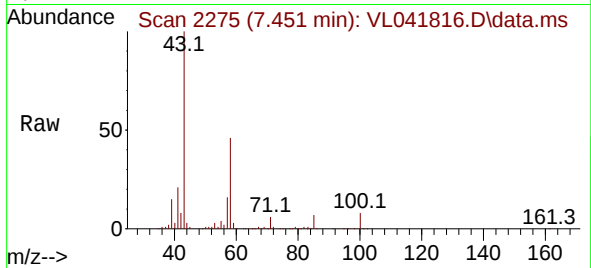




#51
2-Hexanone
Concen: 8.677 ppbv
RT: 7.451 min Scan# 21
Delta R.T. 0.019 min
Lab File: VL041816.D
Acq: 19 Dec 2024 03:31

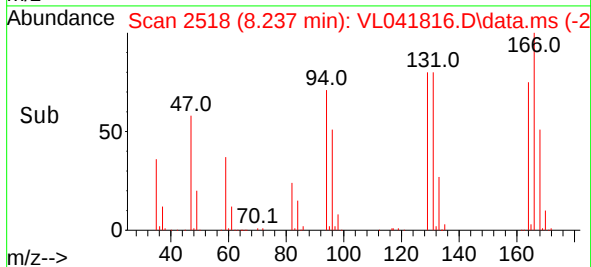
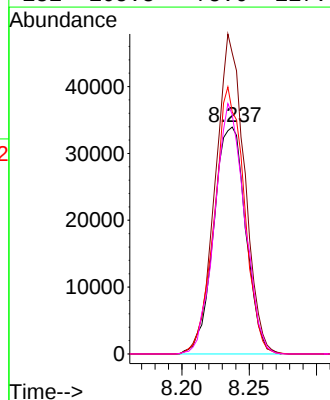
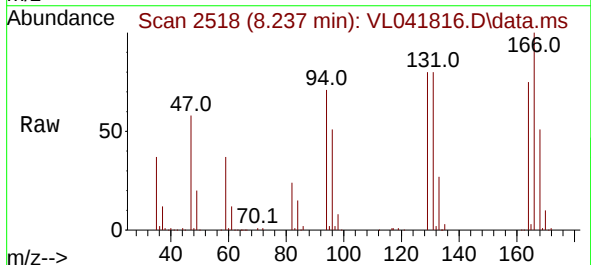
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

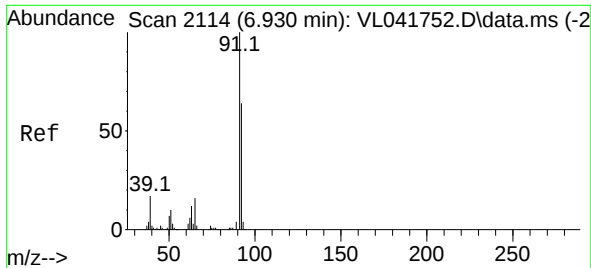
Tgt Ion: 43 Resp: 150220
Ion Ratio Lower Upper
43 100
58 43.3 36.6 55.0
98 0.8 0.1 0.1#



#52
Tetrachloroethene
Concen: 7.476 ppbv
RT: 8.237 min Scan# 2518
Delta R.T. 0.016 min
Lab File: VL041816.D
Acq: 19 Dec 2024 03:31

Tgt Ion:164 Resp: 56129
Ion Ratio Lower Upper
164 100
166 132.4 99.8 149.6
129 106.4 79.6 119.4
131 105.3 78.6 117.8

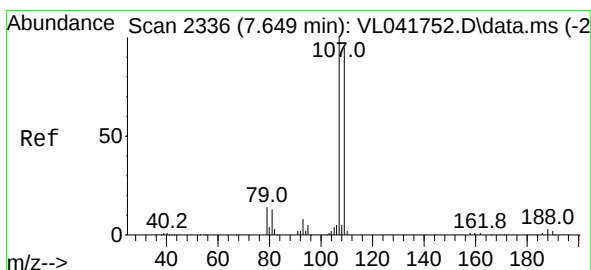
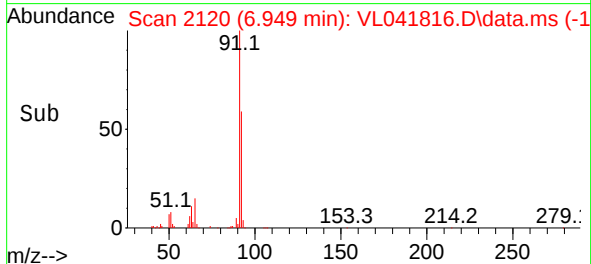
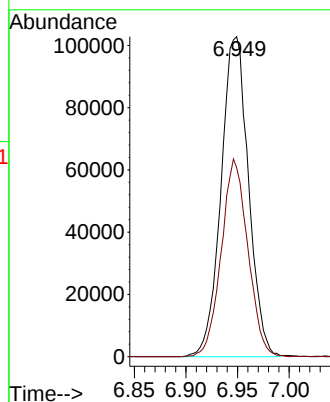
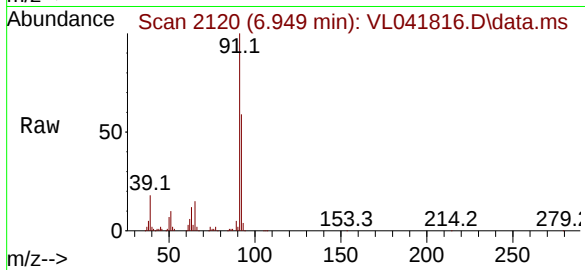




#53
Toluene
Concen: 8.316 ppbv
RT: 6.949 min Scan# 2114
Delta R.T. 0.019 min
Lab File: VL041816.D
Acq: 19 Dec 2024 03:31

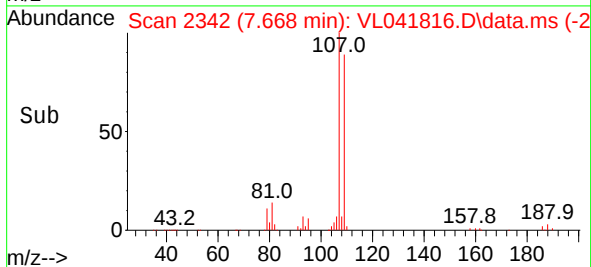
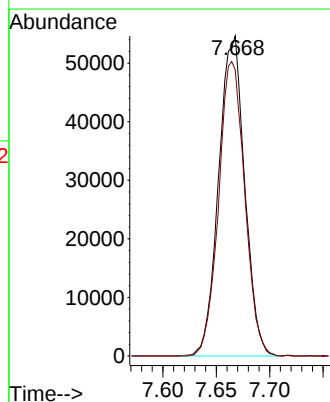
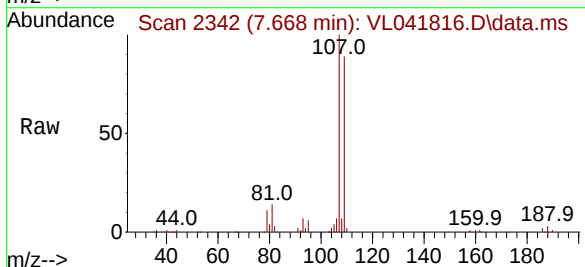
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

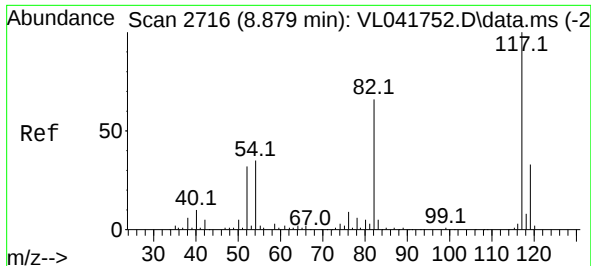
Tgt Ion: 91 Resp: 190165
Ion Ratio Lower Upper
91 100
92 59.8 47.9 71.9



#54
1,2-Dibromoethane
Concen: 8.794 ppbv
RT: 7.668 min Scan# 2342
Delta R.T. 0.019 min
Lab File: VL041816.D
Acq: 19 Dec 2024 03:31

Tgt Ion: 107 Resp: 92331
Ion Ratio Lower Upper
107 100
109 89.4 75.9 113.9





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 8.891 min Scan# 21

Delta R.T. 0.012 min

Lab File: VL041816.D

Acq: 19 Dec 2024 03:31

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

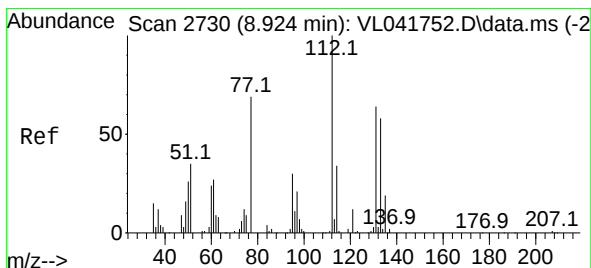
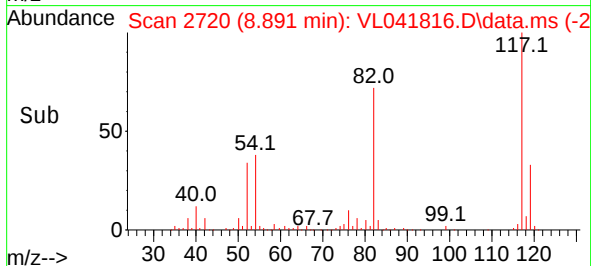
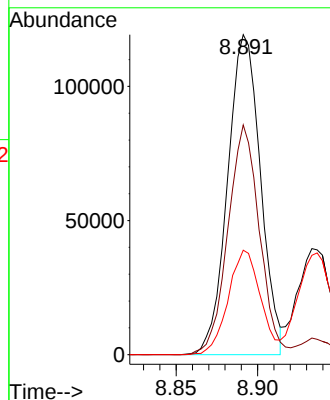
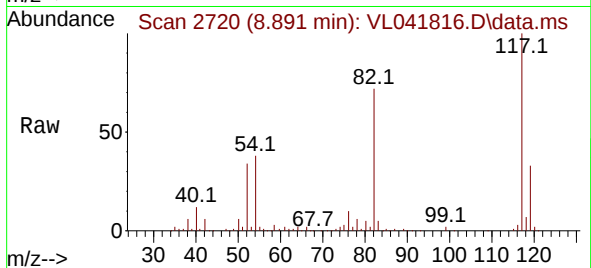
Tgt Ion:117 Resp: 167221

Ion Ratio Lower Upper

117 100

82 73.6 53.8 80.8

119 31.6 26.7 40.1



#56

1,1,1,2-Tetrachloroethane

Concen: 10.040 ppbv

RT: 8.936 min Scan# 2734

Delta R.T. 0.013 min

Lab File: VL041816.D

Acq: 19 Dec 2024 03:31

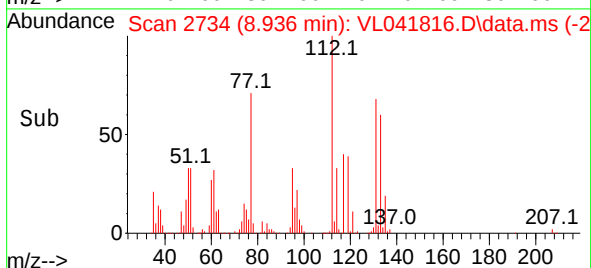
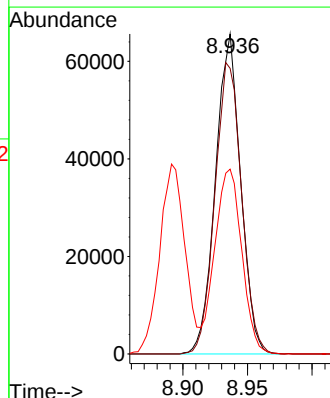
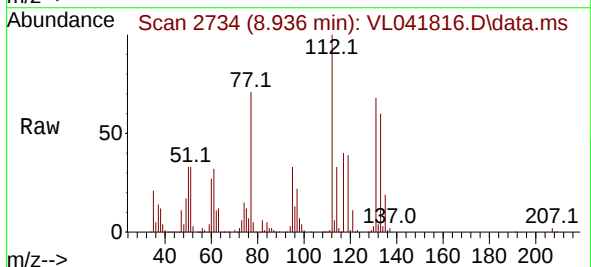
Tgt Ion:131 Resp: 89008

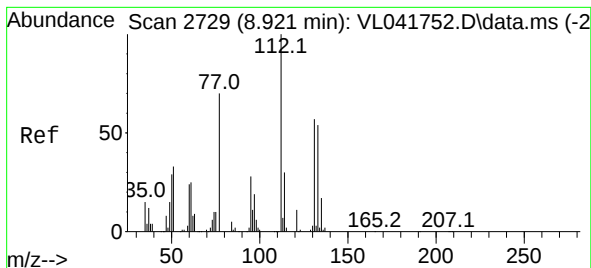
Ion Ratio Lower Upper

131 100

133 96.1 76.8 115.2

119 62.9 49.0 73.6





#57

Chlorobenzene

Concen: 9.090 ppbv

RT: 8.933 min Scan# 21

Delta R.T. 0.012 min

Lab File: VL041816.D

Acq: 19 Dec 2024 03:31

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

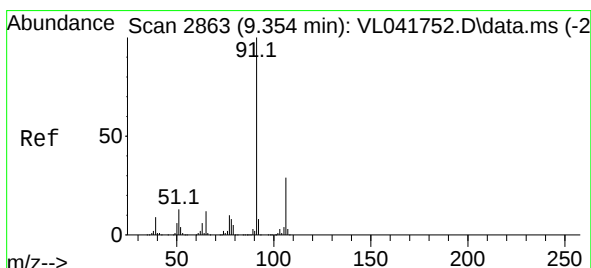
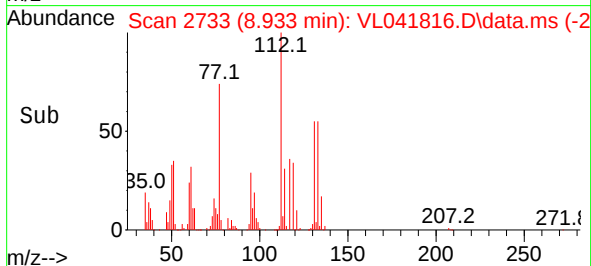
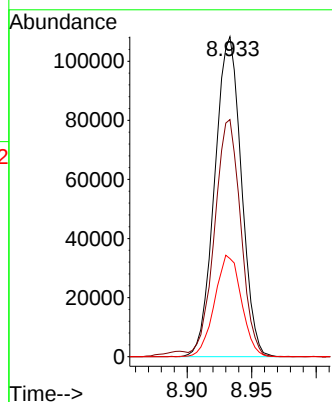
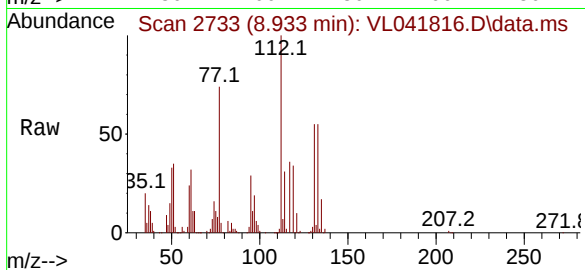
Tgt Ion:112 Resp: 155548

Ion Ratio Lower Upper

112 100

77 74.0 57.4 86.0

114 30.7 27.4 33.4



#58

Ethyl Benzene

Concen: 8.905 ppbv

RT: 9.364 min Scan# 2866

Delta R.T. 0.009 min

Lab File: VL041816.D

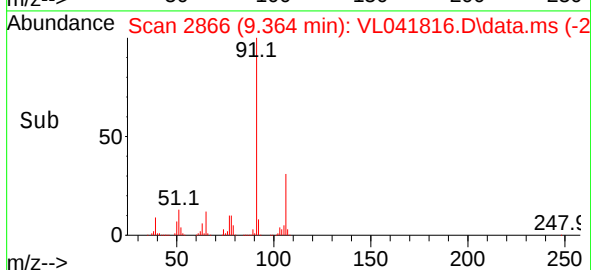
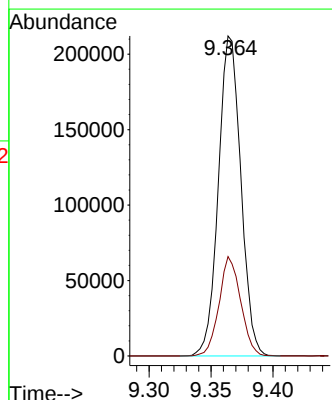
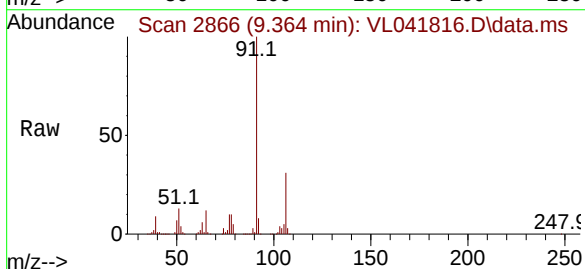
Acq: 19 Dec 2024 03:31

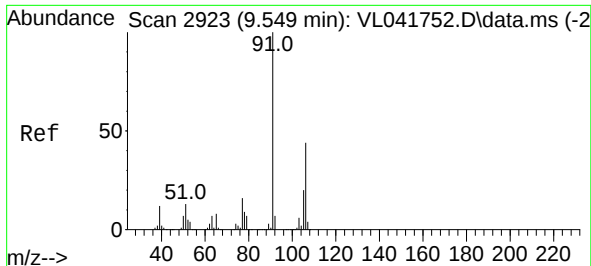
Tgt Ion: 91 Resp: 268096

Ion Ratio Lower Upper

91 100

106 31.1 23.5 35.3

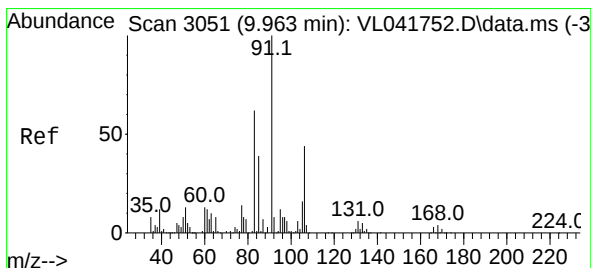
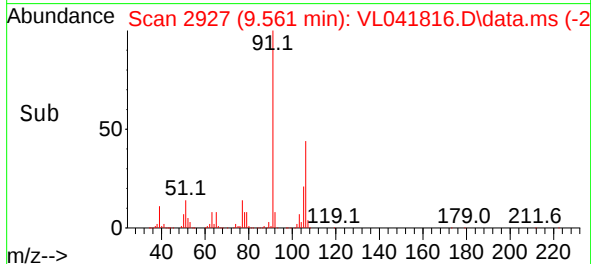
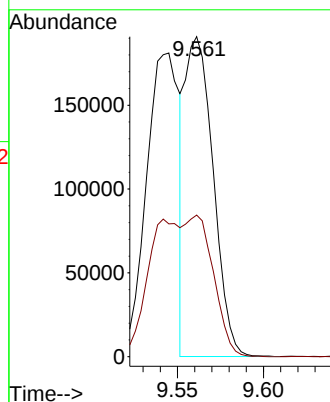
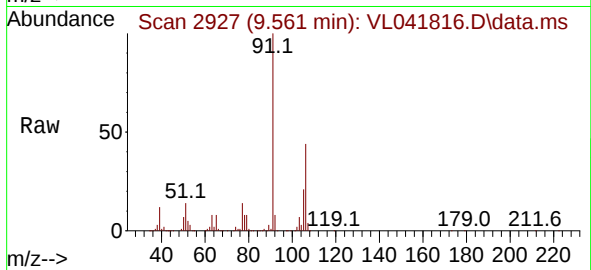




#59
m/p-Xylene
Concen: 8.949 ppbv
RT: 9.561 min Scan# 2927
Delta R.T. 0.013 min
Lab File: VL041816.D
Acq: 19 Dec 2024 03:31

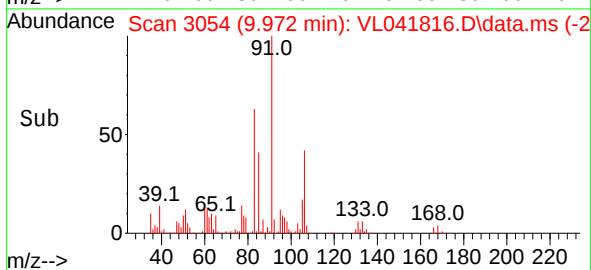
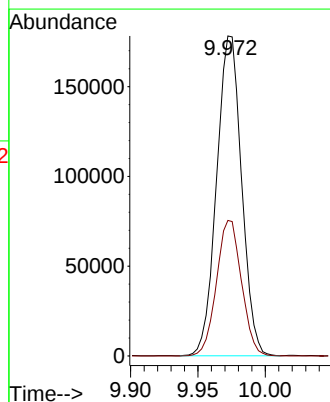
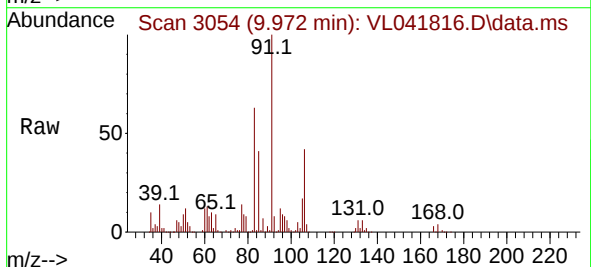
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

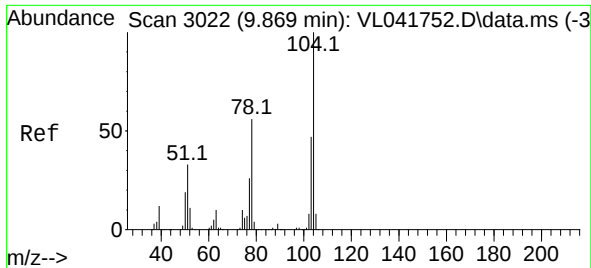
Tgt Ion: 91 Resp: 216629
Ion Ratio Lower Upper
91 100
106 96.0 0.0 0.0#



#60
o-Xylene
Concen: 9.469 ppbv
RT: 9.972 min Scan# 3054
Delta R.T. 0.009 min
Lab File: VL041816.D
Acq: 19 Dec 2024 03:31

Tgt Ion: 91 Resp: 229859
Ion Ratio Lower Upper
91 100
106 42.4 21.1 63.4

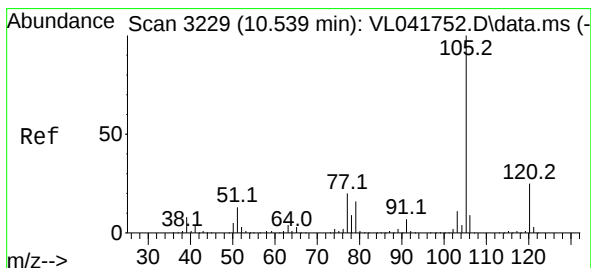
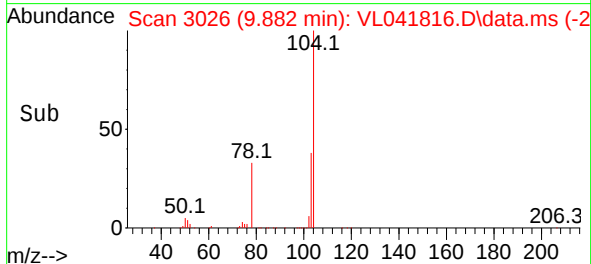
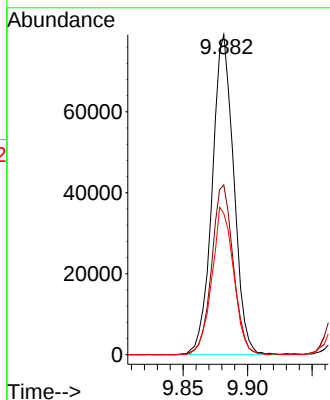
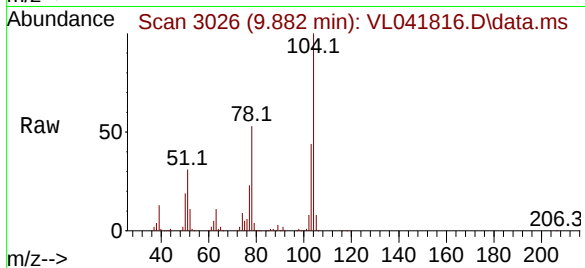




#61
Styrene
Concen: 8.735 ppbv
RT: 9.882 min Scan# 3026
Delta R.T. 0.013 min
Lab File: VL041816.D
Acq: 19 Dec 2024 03:31

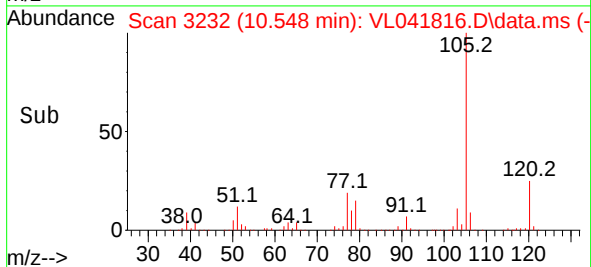
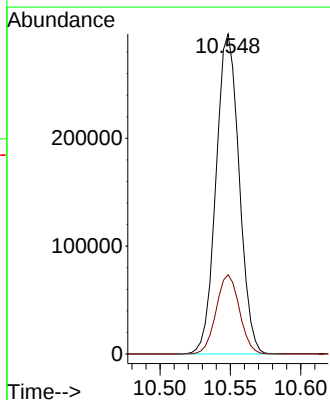
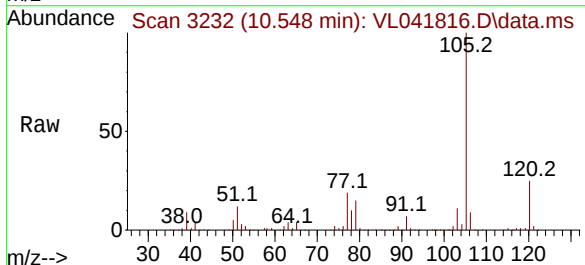
Instrument :
MSVOA_1
ClientSampleId :
VSTDCCC010EC

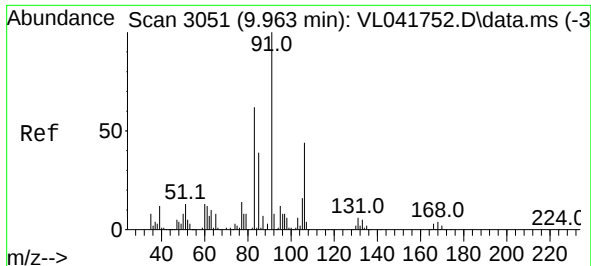
Tgt Ion:104 Resp: 91682
Ion Ratio Lower Upper
104 100
78 53.5 43.8 65.6
103 46.6 37.8 56.6



#62
Isopropylbenzene
Concen: 9.302 ppbv
RT: 10.548 min Scan# 3232
Delta R.T. 0.009 min
Lab File: VL041816.D
Acq: 19 Dec 2024 03:31

Tgt Ion:105 Resp: 339260
Ion Ratio Lower Upper
105 100
120 24.9 19.8 29.8





#63

1,1,2,2-Tetrachloroethane

Concen: 9.545 ppbv

RT: 9.972 min Scan# 3051

Delta R.T. 0.009 min

Lab File: VL041816.D

Acq: 19 Dec 2024 03:31

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

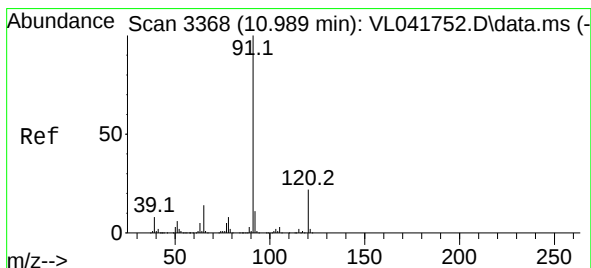
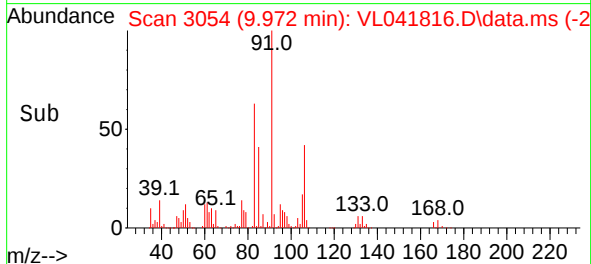
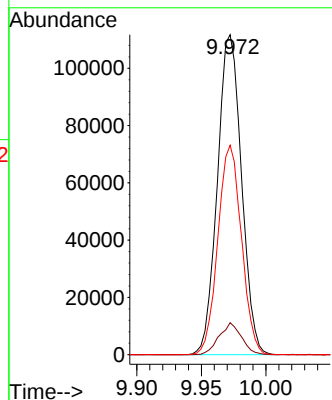
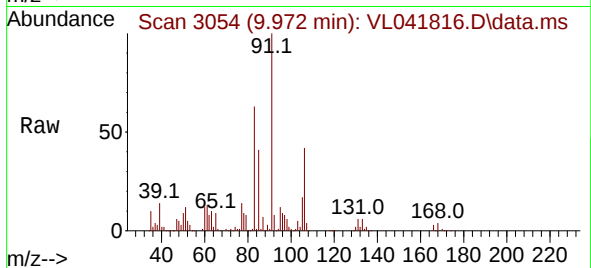
Tgt Ion: 83 Resp: 145038

Ion Ratio Lower Upper

83 100

131 9.2 4.9 14.7

85 64.0 32.0 96.2



#64

n-propylbenzene

Concen: 9.344 ppbv

RT: 10.998 min Scan# 3371

Delta R.T. 0.009 min

Lab File: VL041816.D

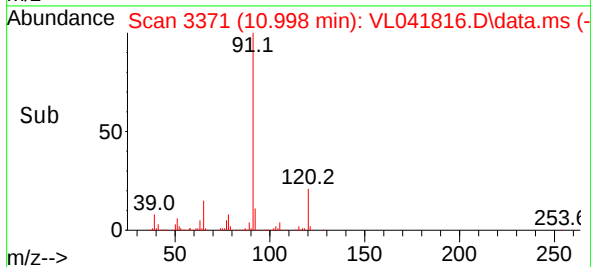
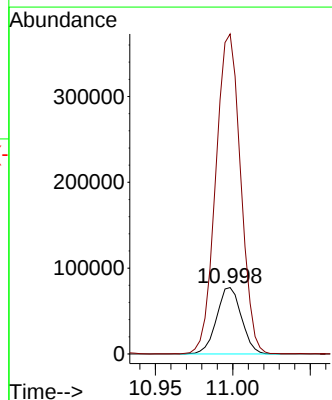
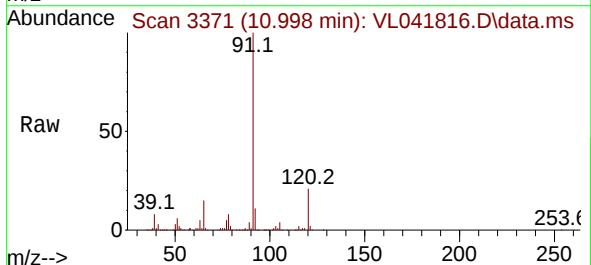
Acq: 19 Dec 2024 03:31

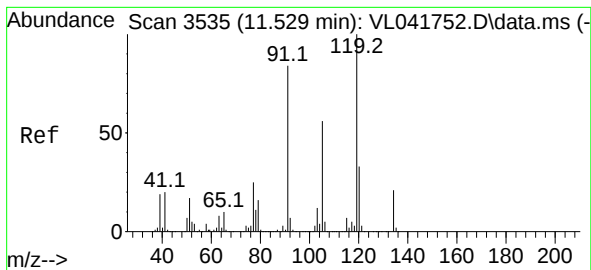
Tgt Ion:120 Resp: 86161

Ion Ratio Lower Upper

120 100

91 485.5 387.3 580.9





#65

tert-Butylbenzene

Concen: 8.980 ppbv

RT: 11.539 min Scan# 3538

Delta R.T. 0.009 min

Lab File: VL041816.D

Acq: 19 Dec 2024 03:31

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

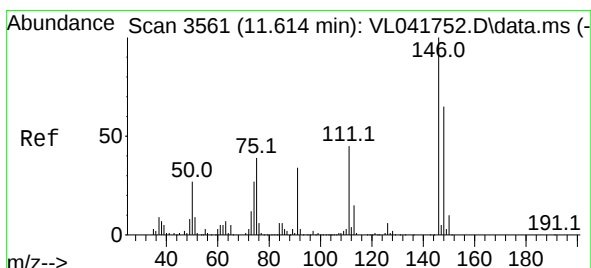
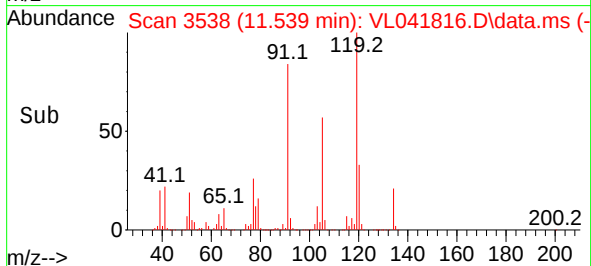
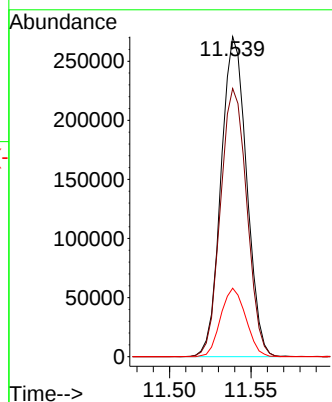
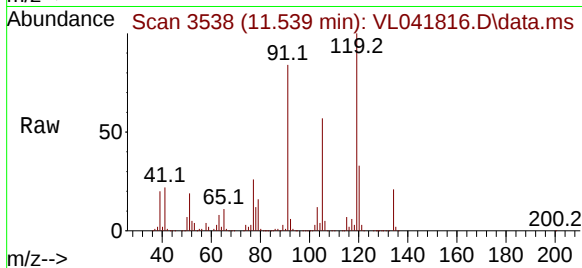
Tgt Ion:119 Resp: 295470

Ion Ratio Lower Upper

119 100

91 86.0 67.0 100.4

134 21.0 16.5 24.7



#66

Benzyl Chloride

Concen: 6.286 ppbv

RT: 11.626 min Scan# 3565

Delta R.T. 0.012 min

Lab File: VL041816.D

Acq: 19 Dec 2024 03:31

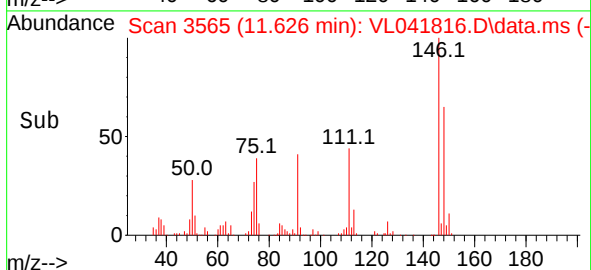
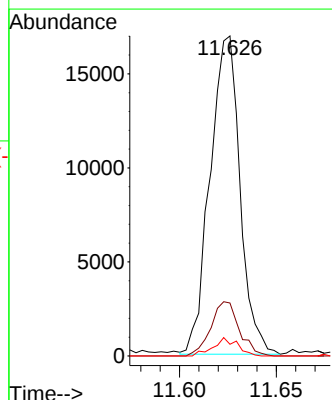
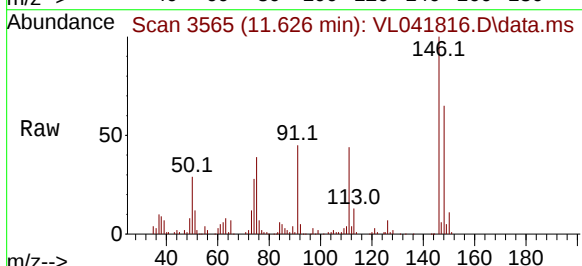
Tgt Ion: 91 Resp: 18218

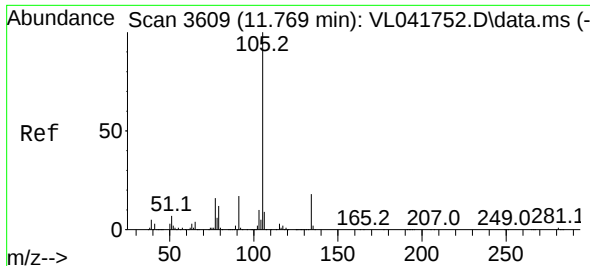
Ion Ratio Lower Upper

91 100

126 16.2 13.9 20.9

128 4.6 4.4 6.6





#67

sec-Butylbenzene

Concen: 9.098 ppbv

RT: 11.775 min Scan# 3611

Delta R.T. 0.006 min

Lab File: VL041816.D

Acq: 19 Dec 2024 03:31

Instrument :

MSVOA_L

ClientSampleId :

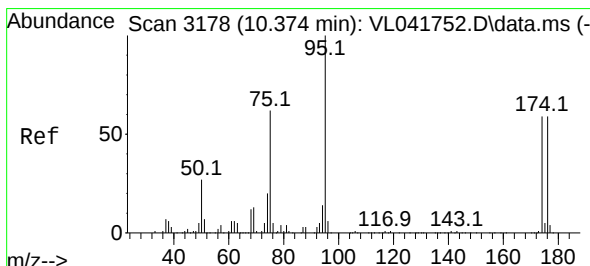
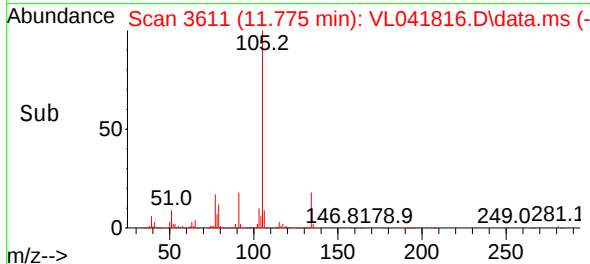
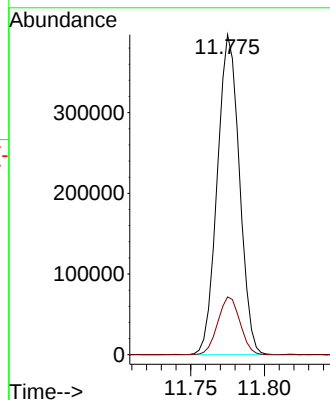
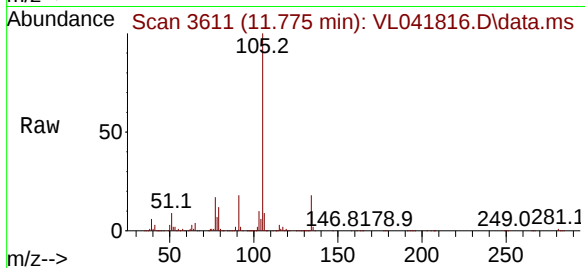
VSTDCCC010EC

Tgt Ion:105 Resp: 414290

Ion Ratio Lower Upper

105 100

134 18.1 14.5 21.7



#68

1-Bromo-4-Fluorobenzene

Concen: 10.740 ppbv

RT: 10.386 min Scan# 3182

Delta R.T. 0.013 min

Lab File: VL041816.D

Acq: 19 Dec 2024 03:31

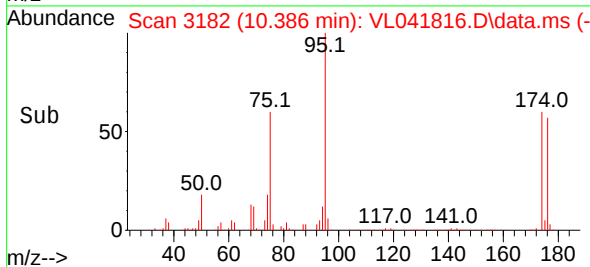
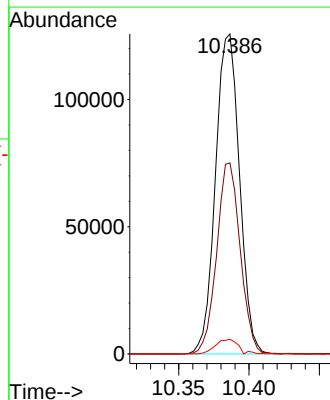
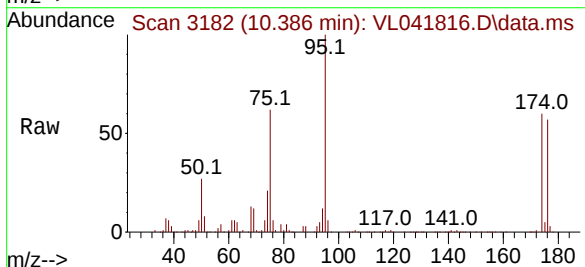
Tgt Ion: 95 Resp: 149664

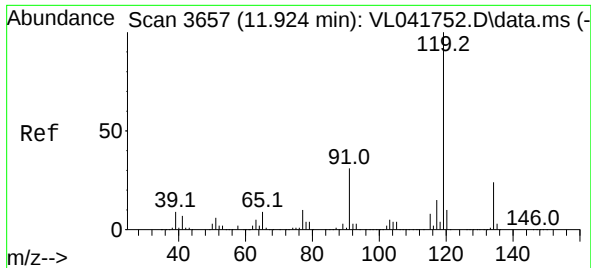
Ion Ratio Lower Upper

95 100

174 58.5 47.6 71.4

175 4.4 3.7 5.5





#69

p-Isopropyltoluene

Concen: 8.769 ppbv

RT: 11.934 min Scan# 3660

Delta R.T. 0.009 min

Lab File: VL041816.D

Acq: 19 Dec 2024 03:31

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

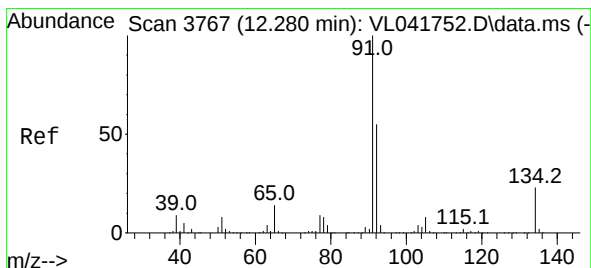
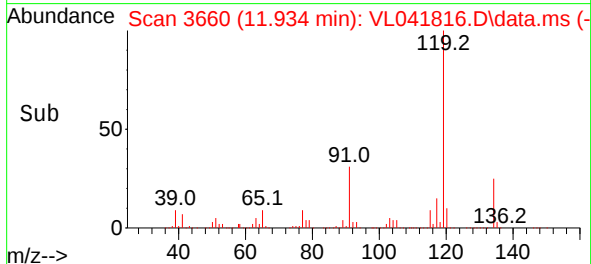
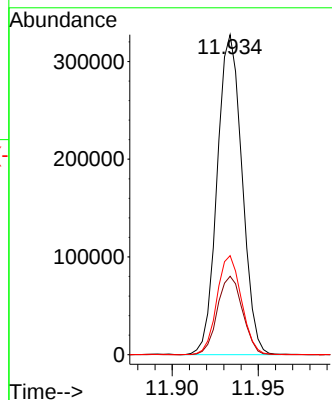
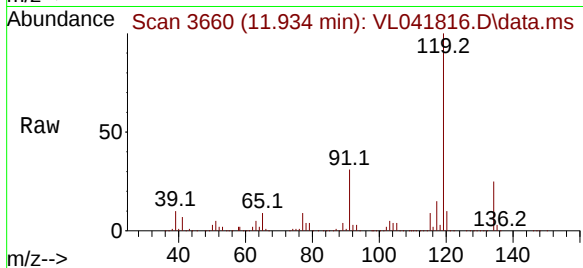
Tgt Ion:119 Resp: 329037

Ion Ratio Lower Upper

119 100

134 24.8 19.6 29.4

91 30.9 24.4 36.6



#70

n-Butylbenzene

Concen: 8.708 ppbv

RT: 12.290 min Scan# 3770

Delta R.T. 0.009 min

Lab File: VL041816.D

Acq: 19 Dec 2024 03:31

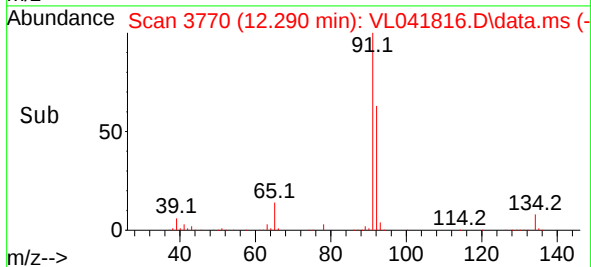
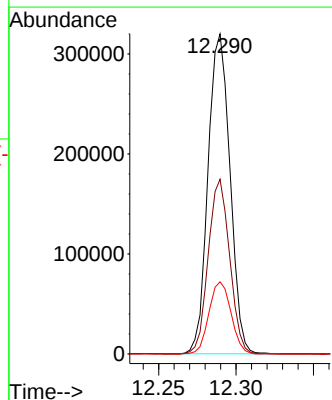
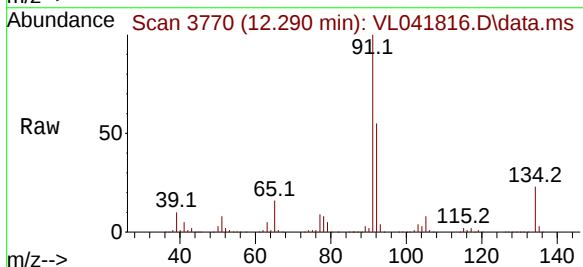
Tgt Ion: 91 Resp: 315732

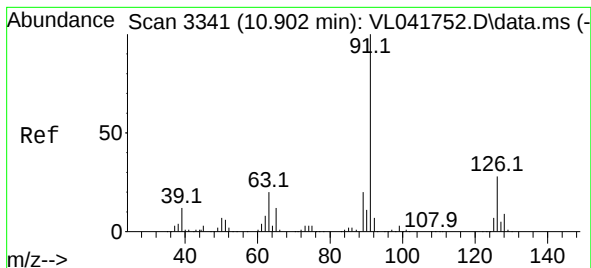
Ion Ratio Lower Upper

91 100

92 53.3 43.2 64.8

134 22.6 18.2 27.4

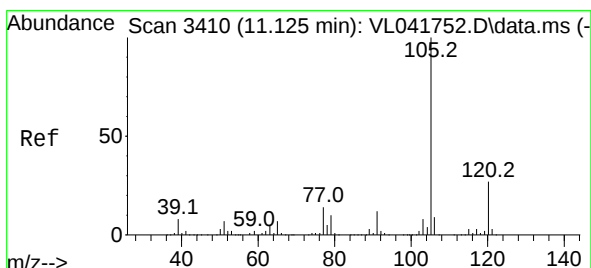
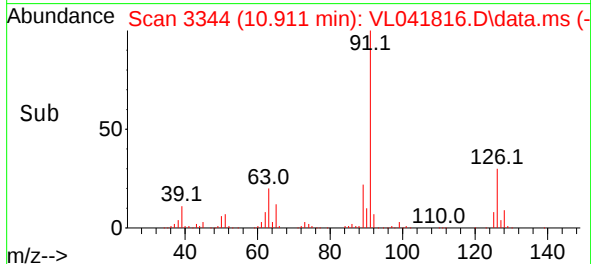
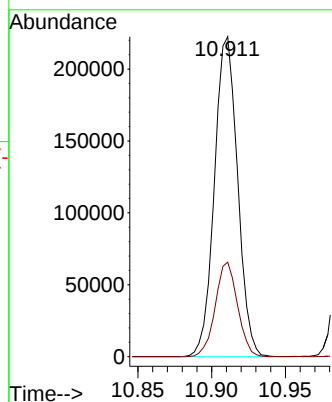
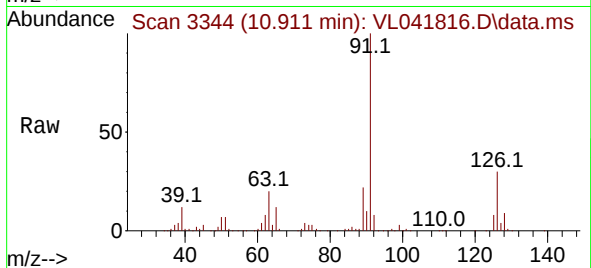




#71
2-Chlorotoluene
Concen: 8.741 ppbv
RT: 10.911 min Scan# 3413
Delta R.T. 0.009 min
Lab File: VL041816.D
Acq: 19 Dec 2024 03:31

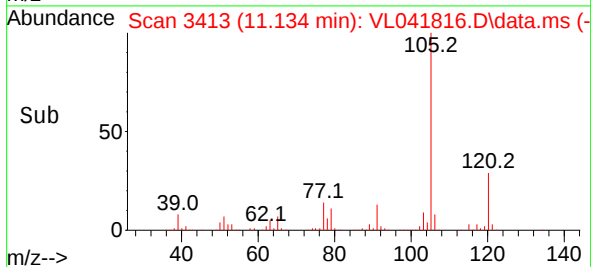
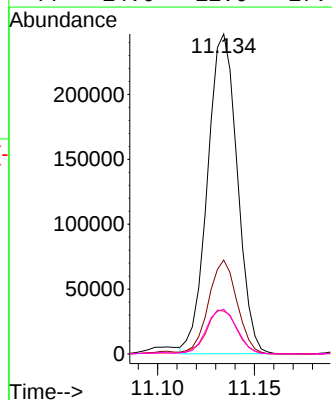
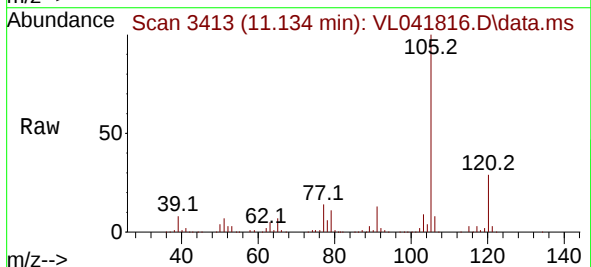
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

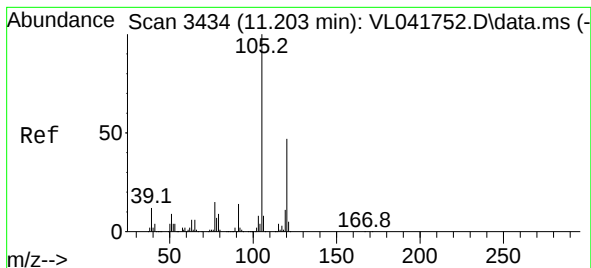
Tgt Ion: 91 Resp: 243323
Ion Ratio Lower Upper
91 100
126 28.4 11.6 46.4



#72
4-Ethyltoluene
Concen: 9.217 ppbv
RT: 11.134 min Scan# 3413
Delta R.T. 0.009 min
Lab File: VL041816.D
Acq: 19 Dec 2024 03:31

Tgt Ion: 105 Resp: 264092
Ion Ratio Lower Upper
105 100
120 28.8 23.3 34.9
91 14.5 10.9 16.3
77 14.6 11.6 17.4





#73

1,3,5-Trimethylbenzene

Concen: 9.389 ppbv

RT: 11.212 min Scan# 3437

Delta R.T. 0.009 min

Lab File: VL041816.D

Acq: 19 Dec 2024 03:31

Instrument :

MSVOA_L

ClientSampleId :

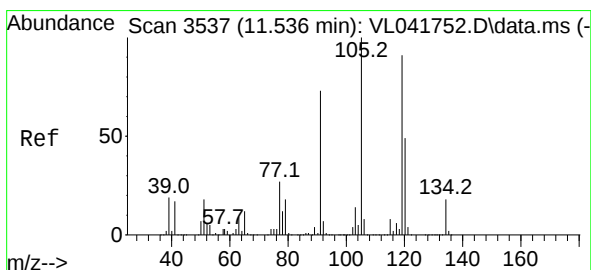
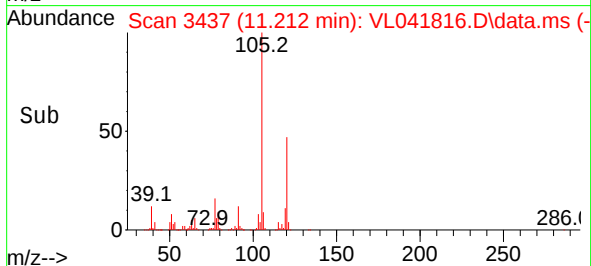
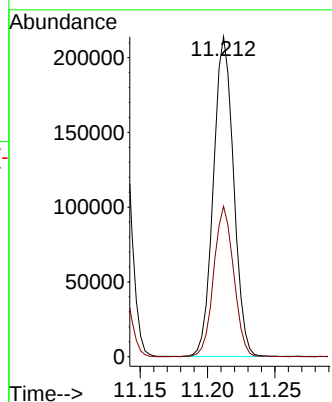
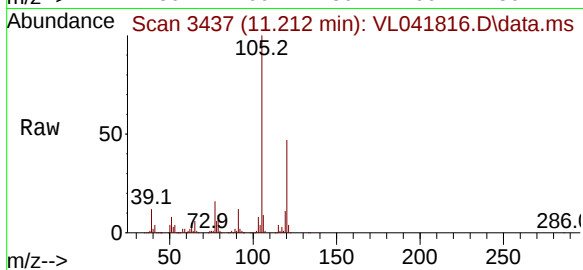
VSTDCCC010EC

Tgt Ion:105 Resp: 223198

Ion Ratio Lower Upper

105 100

120 47.0 37.4 56.2



#74

1,2,4-Trimethylbenzene

Concen: 9.488 ppbv

RT: 11.545 min Scan# 3540

Delta R.T. 0.009 min

Lab File: VL041816.D

Acq: 19 Dec 2024 03:31

Tgt Ion:105 Resp: 242549

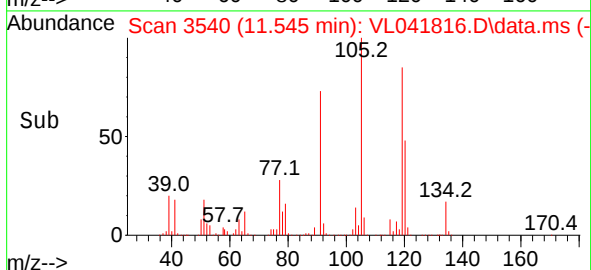
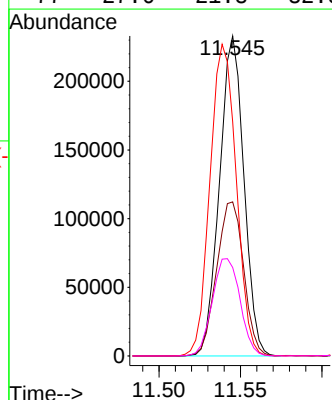
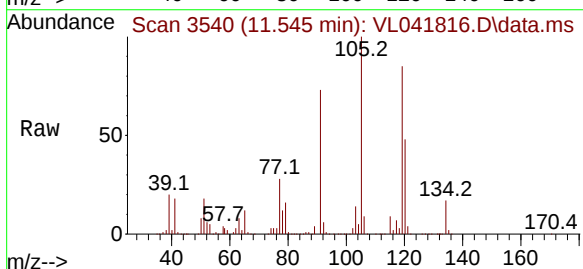
Ion Ratio Lower Upper

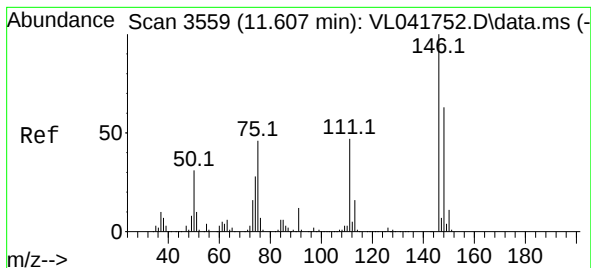
105 100

120 48.2 39.0 58.4

91 73.1 58.1 87.1

77 27.6 21.8 32.8





#75

1,3-Dichlorobenzene

Concen: 8.288 ppbv

RT: 11.616 min Scan# 3562

Delta R.T. 0.009 min

Lab File: VL041816.D

Acq: 19 Dec 2024 03:31

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

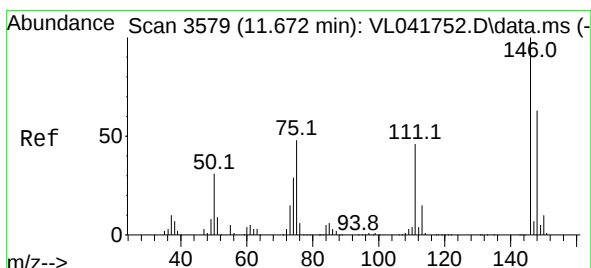
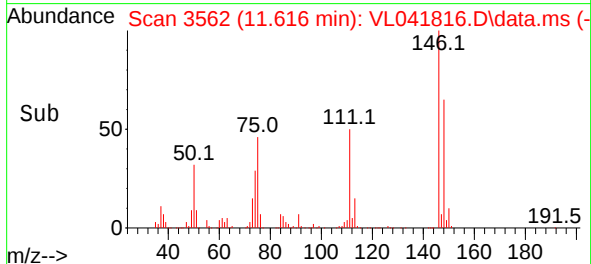
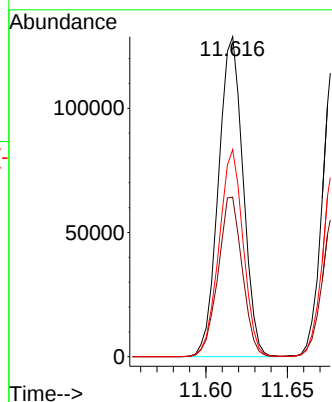
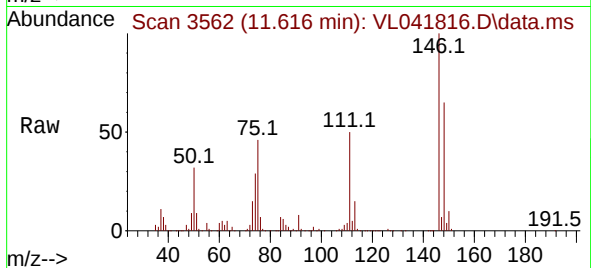
Tgt Ion:146 Resp: 135088

Ion Ratio Lower Upper

146 100

111 49.1 23.4 70.3

148 63.5 31.6 95.0



#76

1,4-Dichlorobenzene

Concen: 8.227 ppbv

RT: 11.678 min Scan# 3581

Delta R.T. 0.006 min

Lab File: VL041816.D

Acq: 19 Dec 2024 03:31

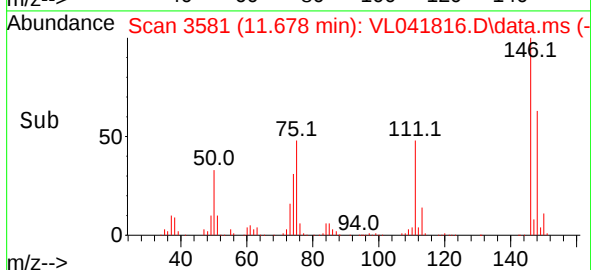
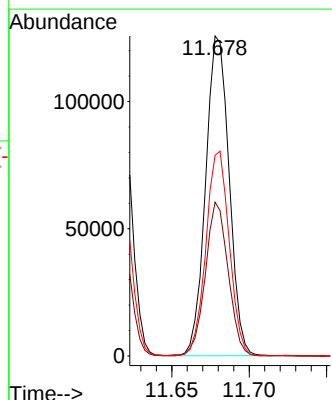
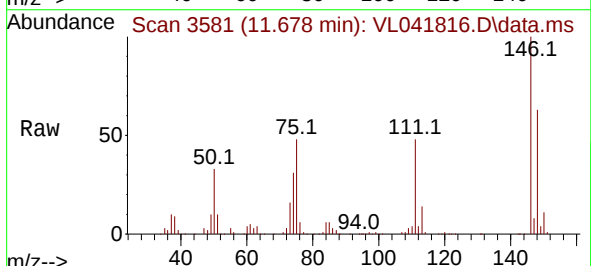
Tgt Ion:146 Resp: 132463

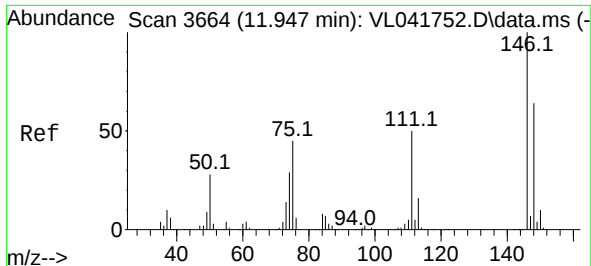
Ion Ratio Lower Upper

146 100

111 46.9 22.7 68.1

148 63.9 31.4 94.0

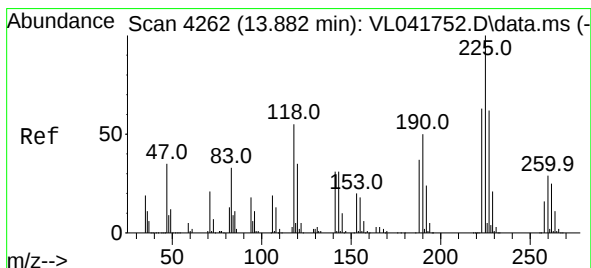
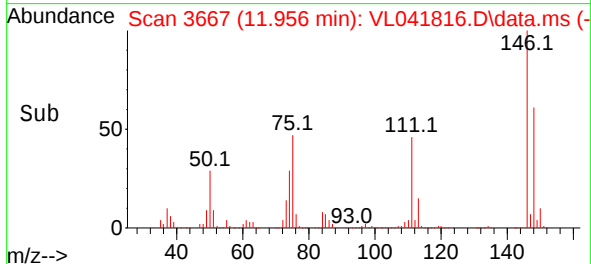
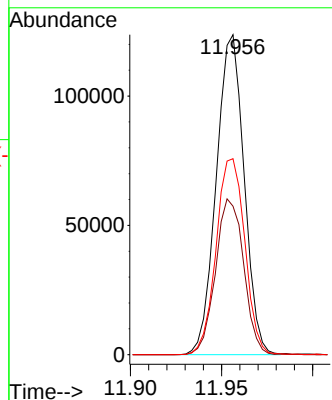
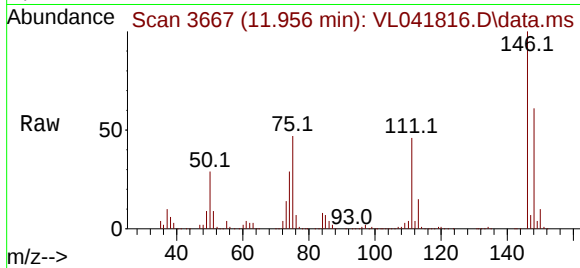




#77
1,2-Dichlorobenzene
Concen: 8.371 ppbv
RT: 11.956 min Scan# 3667
Delta R.T. 0.009 min
Lab File: VL041816.D
Acq: 19 Dec 2024 03:31

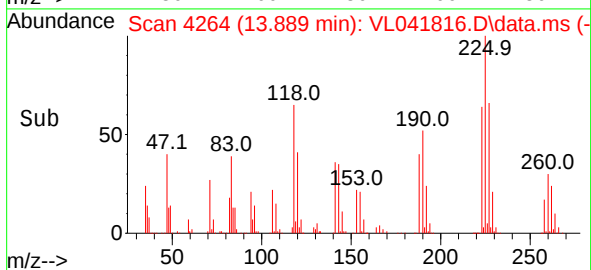
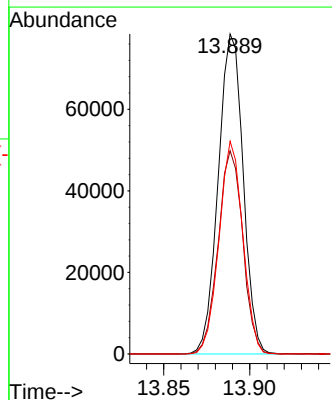
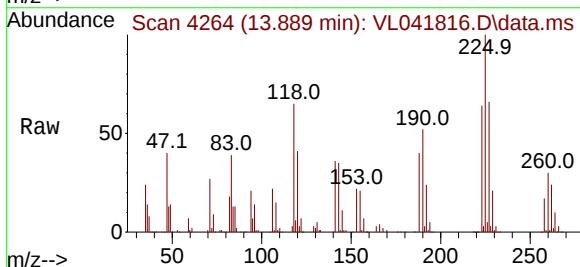
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

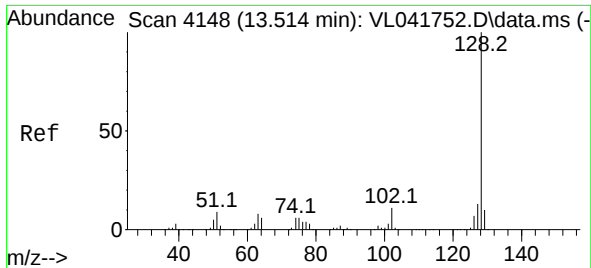
Tgt Ion:146 Resp: 131272
Ion Ratio Lower Upper
146 100
111 49.4 24.8 74.3
148 63.4 31.8 95.4



#78
Hexachloro-1,3-Butadiene
Concen: 6.809 ppbv
RT: 13.889 min Scan# 4264
Delta R.T. 0.006 min
Lab File: VL041816.D
Acq: 19 Dec 2024 03:31

Tgt Ion:225 Resp: 79178
Ion Ratio Lower Upper
225 100
223 62.8 50.5 75.7
227 63.3 50.3 75.5





#79

Naphthalene

Concen: 9.123 ppbv

RT: 13.520 min Scan# 4148

Delta R.T. 0.006 min

Lab File: VL041816.D

Acq: 19 Dec 2024 03:31

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

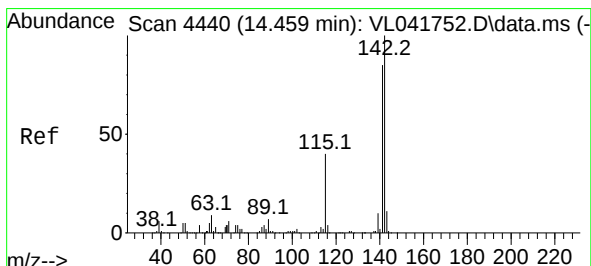
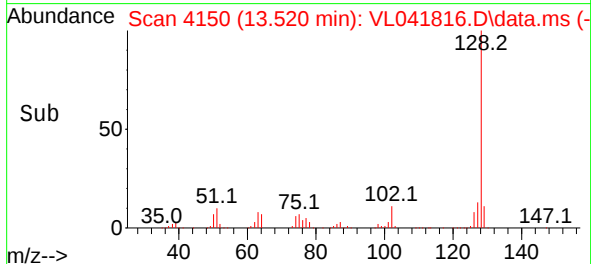
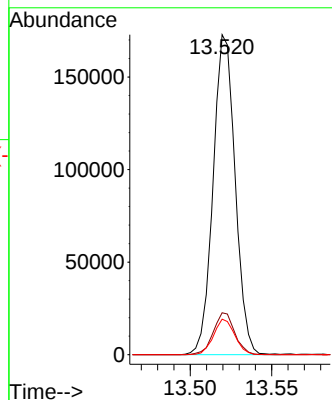
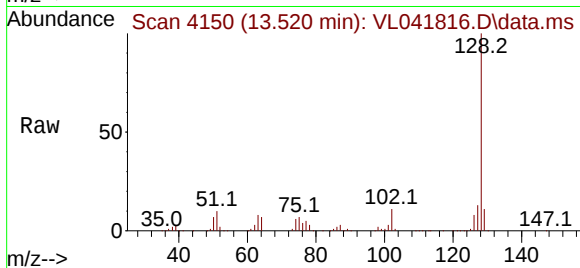
Tgt Ion:128 Resp: 162505

Ion Ratio Lower Upper

128 100

127 13.1 10.7 16.1

129 11.1 8.2 12.4



#80

Naphthalene,2-methyl-

Concen: 9.555 ppbv

RT: 14.468 min Scan# 4443

Delta R.T. 0.009 min

Lab File: VL041816.D

Acq: 19 Dec 2024 03:31

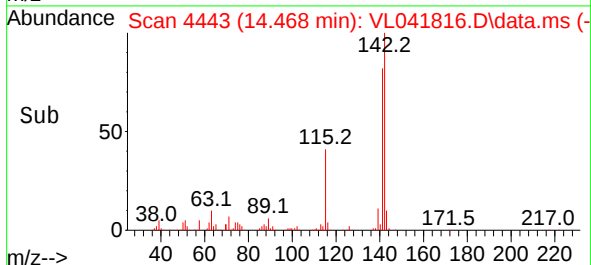
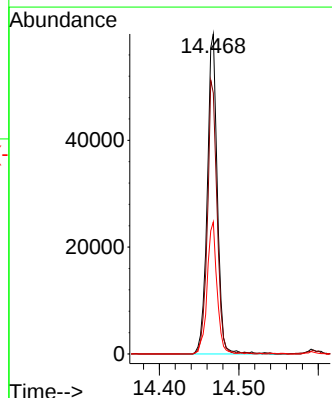
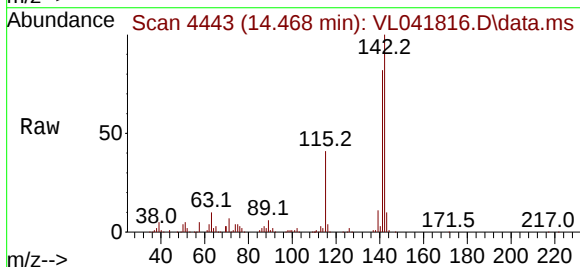
Tgt Ion:142 Resp: 52642

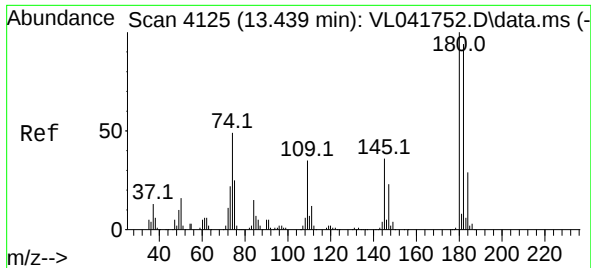
Ion Ratio Lower Upper

142 100

141 82.8 68.4 102.6

115 41.1 32.5 48.7





#81

1,2,4-Trichlorobenzene

Concen: 7.834 ppbv

RT: 13.448 min Scan# 41

Delta R.T. 0.009 min

Lab File: VL041816.D

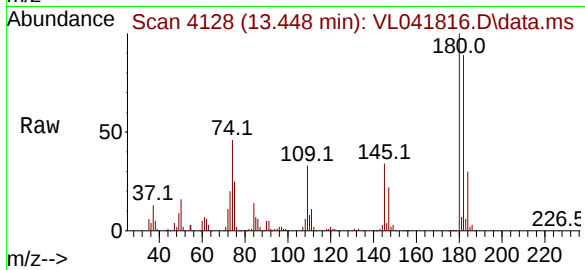
Acq: 19 Dec 2024 03:31

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC



Tgt Ion:180 Resp: 76255

Ion Ratio Lower Upper

180 100

182 95.9 77.0 115.6

184 30.2 23.8 35.8

