

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL121724\
 Data File : VL041775.D
 Acq On : 17 Dec 2024 13:10
 Operator : SY/MD
 Sample : MDL 0.4
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 MDL 0.4

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 12/18/2024
 Supervised By :Semsettin Yesilyurt 12/18/2024

Quant Time: Dec 21 03:01:48 2024

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

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 2

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	2.790	49	57944	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.965	114	152011	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.891	117	130372	10.000	ppbv	0.01

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 10.386 95 108670 10.003 ppbv 0.01
 Spiked Amount 10.000 Range 65 - 135 Recovery = 100.000%

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	1.499	85	5413	0.525	ppbv	97
3) Chlorodifluoromethane	1.476	51	4377	0.463	ppbv #	91
4) Chloromethane	1.534	50	2152	0.533	ppbv	98
5) Vinyl Chloride	1.583	62	1895	0.466	ppbv	96
6) Bromomethane	1.670	94	877	0.457	ppbv	92
7) Chloroethane	1.706	64	797	0.505	ppbv	91
8) Dichlorotetrafluoroethane	1.557	85	4519	0.490	ppbv	98
9) Propene	1.486	41	1675	0.409	ppbv	95
10) Heptane	4.994	43	3222	0.306	ppbv	97
11) Trichlorofluoromethane	1.881	101	5556	0.507	ppbv	99
12) 1,1,2-Trichlorotrifluo...	2.143	101	4346	0.522	ppbv	100
13) Ethanol	1.725	45	2081	6.136	ppbv	94
14) Bromoethene	1.784	108	1309	0.465	ppbv #	88
15) Acetone	1.839	43	7303	0.648	ppbv	98
16) 1,3-Butadiene	1.609	39	2460	0.554	ppbv	92
17) tert-Butyl alcohol	2.046	59	5240	0.469	ppbv	100
18) 1,1-Dichloroethene	2.036	96	1720	0.493	ppbv	97
19) Isopropyl Alcohol	1.890	45	5040	0.745	ppbv #	34
20) Methylene Chloride	2.062	84	2088	0.649	ppbv	90
21) Allyl Chloride	2.097	41	2969	0.486	ppbv #	85
22) trans-1,2-Dichloroethene	2.343	96	1814m	0.454	ppbv	
23) Vinyl Acetate	2.466	43	1795m	0.343	ppbv	
24) 1,1-Dichloroethane	2.415	63	3883	0.480	ppbv #	88
25) Ethyl Acetate	2.845	43	8372	0.399	ppbv	98
26) Hexane	2.829	57	2791	0.351	ppbv #	80
27) Carbon Disulfide	2.156	76	1951	0.272	ppbv #	1
28) Methyl tert-Butyl Ether	2.447	73	2841	0.440	ppbv	93
29) Chloroform	2.852	83	6076	0.501	ppbv	93
30) Cyclohexane	3.861	84	2194m	0.324	ppbv	
31) cis-1,2-Dichloroethene	2.722	61	3276	0.398	ppbv #	80
32) 1,1,1-Trichloroethane	3.373	97	4720	0.383	ppbv	92
34) 2-Butanone	2.567	43	5420	0.443	ppbv	97
35) Carbon Tetrachloride	3.774	117	4653	0.431	ppbv	96
36) Benzene	3.667	78	6579	0.418	ppbv	96
37) 1,2-Dichloroethane	3.227	62	5063	0.517	ppbv	97
38) Trichloroethene	4.561	130	2322	0.348	ppbv	90
39) 1,2-Dichloropropane	4.324	63	2625m	0.462	ppbv	
40) 1,4-Dioxane	4.612	88	1107m	0.398	ppbv	
41) Tetrahydrofuran	3.075	42	2331	0.340	ppbv	96
42) Bromodichloromethane	4.496	83	3983	0.354	ppbv #	81
43) Methyl Methacrylate	4.894	69	1784m	0.298	ppbv	
44) 2,2,4-Trimethylpentane	4.648	57	9146m	0.341	ppbv	
45) t-1,3-Dichloropropene	6.425	75	1551m	0.250	ppbv	

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

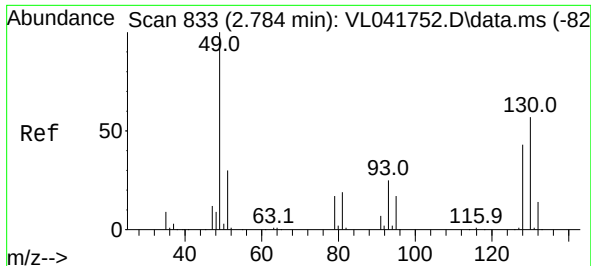
Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_LFri Aug 2

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	2430m	0.309	ppbv	
47) 1,1,2-Trichloroethane	6.593	97	2727	0.459	ppbv #	70
48) Dibromochloromethane	7.399	129	2678m	0.330	ppbv	
49) Bromoform	9.490	173	1773m	0.267	ppbv	
50) 4-Methyl-2-Pentanone	5.781	43	5354m	0.322	ppbv	
51) 2-Hexanone	7.461	43	3612	0.268	ppbv #	97
52) Tetrachloroethene	8.237	164	2468m	0.422	ppbv	
53) Toluene	6.943	91	5795m	0.325	ppbv	
54) 1,2-Dibromoethane	7.668	107	3439m	0.420	ppbv	
56) 1,1,1,2-Tetrachloroethane	8.933	131	2907	0.421	ppbv #	1
57) Chlorobenzene	8.933	112	6292	0.472	ppbv	90
58) Ethyl Benzene	9.360	91	7132	0.304	ppbv #	88
59) m/p-Xylene	9.561	91	11946m	0.633	ppbv	
60) o-Xylene	9.975	91	6035	0.319	ppbv	96
61) Styrene	9.882	104	2124	0.260	ppbv #	86
62) Isopropylbenzene	10.548	105	9966	0.350	ppbv	99
63) 1,1,2,2-Tetrachloroethane	9.972	83	5108	0.431	ppbv	96
64) n-propylbenzene	10.998	120	2145	0.298	ppbv	87
65) tert-Butylbenzene	11.539	119	8123	0.317	ppbv	99
66) Benzyl Chloride	11.626	91	718	0.318	ppbv #	86
67) sec-Butylbenzene	11.778	105	11072	0.312	ppbv #	90
69) p-Isopropyltoluene	11.934	119	8109	0.277	ppbv	95
70) n-Butylbenzene	12.290	91	7927	0.280	ppbv	96
71) 2-Chlorotoluene	10.911	91	6998	0.322	ppbv	97
72) 4-Ethyltoluene	11.131	105	6663	0.298	ppbv	98
73) 1,3,5-Trimethylbenzene	11.209	105	5566	0.300	ppbv #	81
74) 1,2,4-Trimethylbenzene	11.545	105	5877	0.295	ppbv #	89
75) 1,3-Dichlorobenzene	11.616	146	5526	0.435	ppbv	99
76) 1,4-Dichlorobenzene	11.681	146	4955	0.395	ppbv	96
77) 1,2-Dichlorobenzene	11.953	146	5316	0.435	ppbv	96
78) Hexachloro-1,3-Butadiene	13.889	225	4270	0.471	ppbv	96
79) Naphthalene	13.520	128	2985	0.215	ppbv #	88
80) Naphthalene,2-methyl-	14.465	142	297	0.069	ppbv	87
81) 1,2,4-Trichlorobenzene	13.448	180	2041	0.269	ppbv	91

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



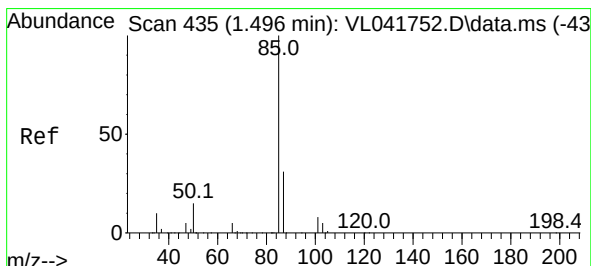
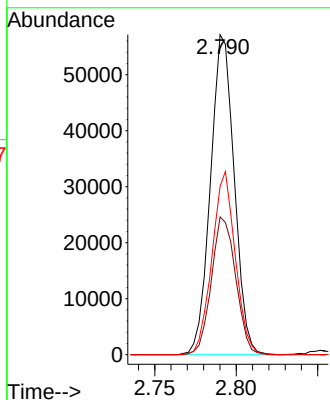
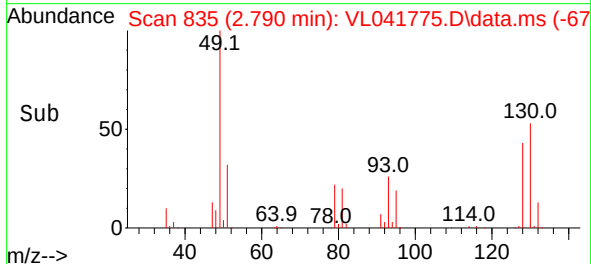
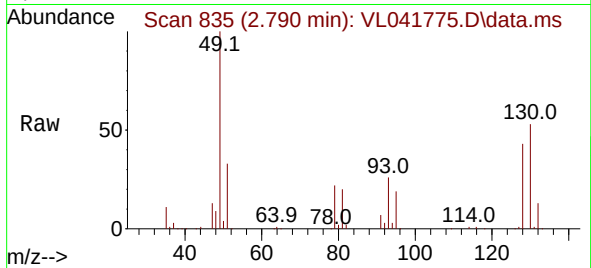
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Bromochloromethane
Concen: 10.000 ppbv
RT: 2.790 min Scan# 834
Delta R.T. 0.006 min
Lab File: VL041775.D
Acq: 17 Dec 2024 13:10

Instrument :
MSVOA_L
ClientSampleId :
MDL 0.4

Tgt Ion: 49 Resp: 5794
Ion Ratio Lower Upper
49 100
128 44.0 21.6 64.6
130 55.9 28.3 85.0

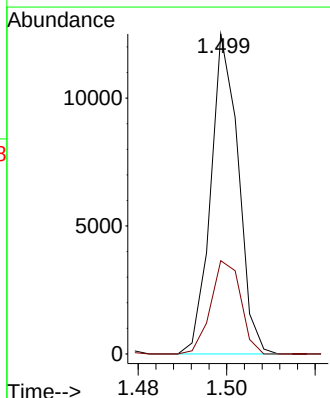
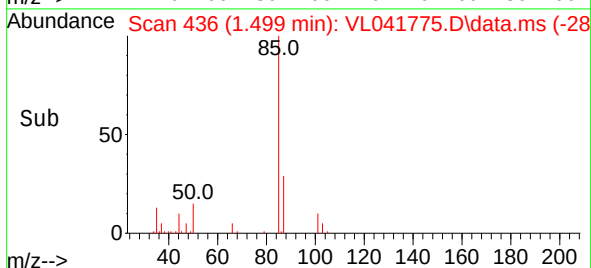
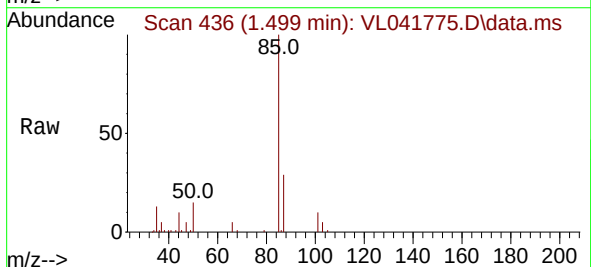
Manual Integrations
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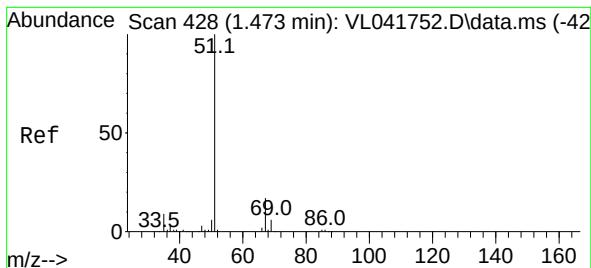
Reviewed By :Mahesh Dadoda 12/18/2024
Supervised By :Semsettin Yesilyurt 12/18/2024



#2
Dichlorodifluoromethane
Concen: 0.525 ppbv
RT: 1.499 min Scan# 436
Delta R.T. 0.003 min
Lab File: VL041775.D
Acq: 17 Dec 2024 13:10

Tgt Ion: 85 Resp: 5413
Ion Ratio Lower Upper
85 100
87 29.2 24.5 36.7





#3

Chlorodifluoromethane

Concen: 0.463 ppbv

RT: 1.476 min Scan# 437

Delta R.T. 0.003 min

Lab File: VL041775.D

Acq: 17 Dec 2024 13:10

Instrument :

MSVOA_L

ClientSampleId :

MDL 0.4

Tgt Ion: 51 Resp: 437

Ion Ratio Lower Upper

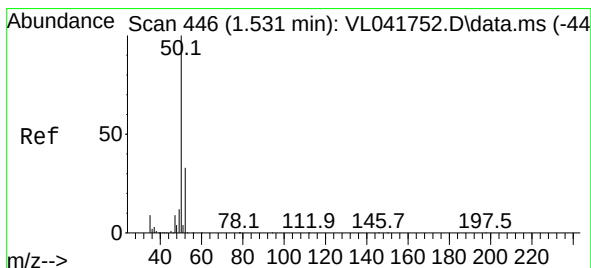
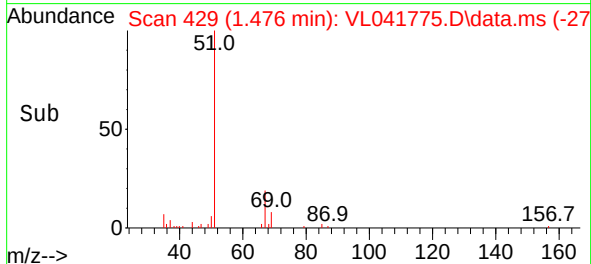
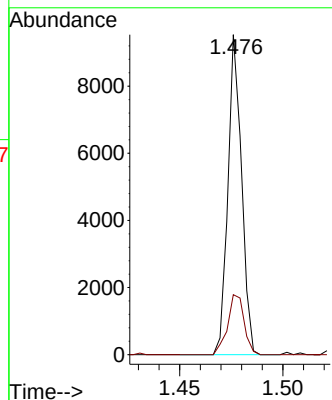
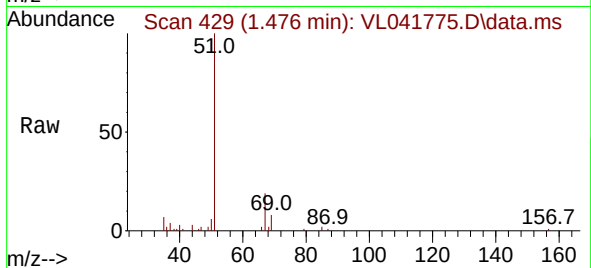
51 100

67 22.7 15.0 22.4

Manual Integrations

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Reviewed By :Mahesh Dadoda 12/18/2024
Supervised By :Semsettin Yesilyurt 12/18/2024



#4

Chloromethane

Concen: 0.533 ppbv

RT: 1.534 min Scan# 447

Delta R.T. 0.003 min

Lab File: VL041775.D

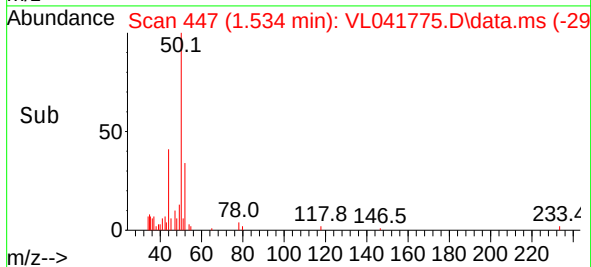
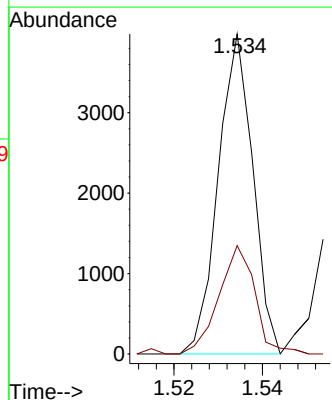
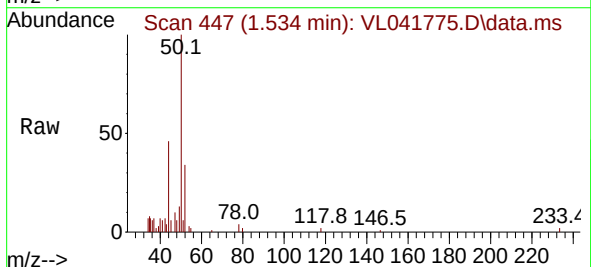
Acq: 17 Dec 2024 13:10

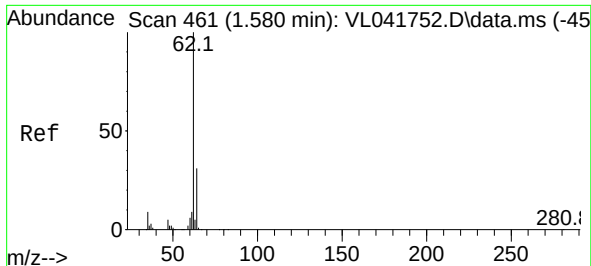
Tgt Ion: 50 Resp: 2152

Ion Ratio Lower Upper

50 100

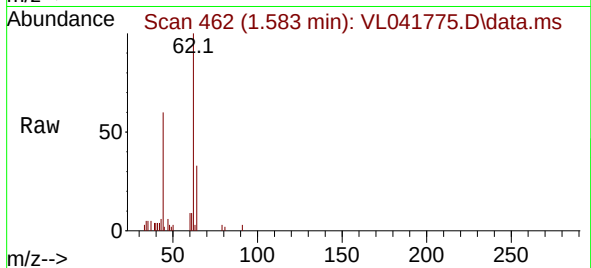
52 33.9 26.2 39.2





#5
Vinyl Chloride
Concen: 0.466 ppbv
RT: 1.583 min Scan# 462
Delta R.T. 0.003 min
Lab File: VL041775.D
Acq: 17 Dec 2024 13:10

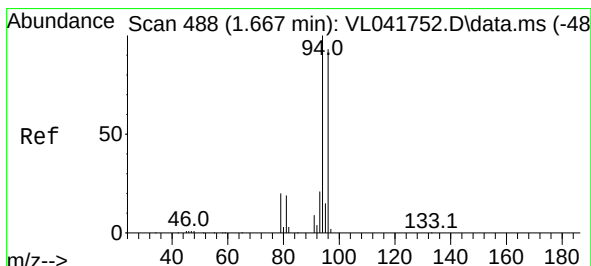
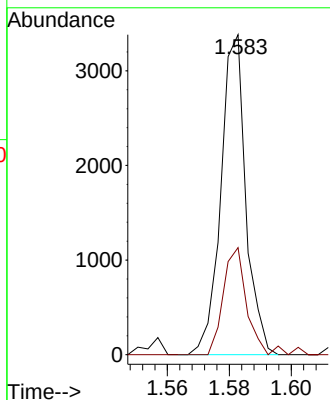
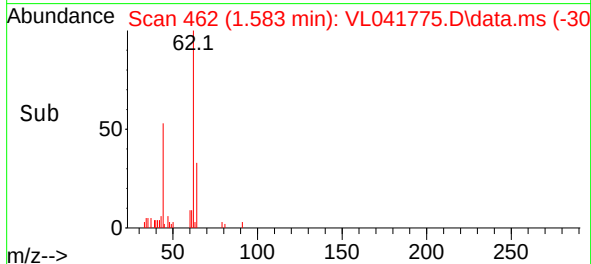
Instrument :
MSVOA_L
ClientSampleId :
MDL 0.4



Tgt Ion: 62 Resp: 189
Ion Ratio Lower Upper
62 100
64 33.4 25.1 37.7

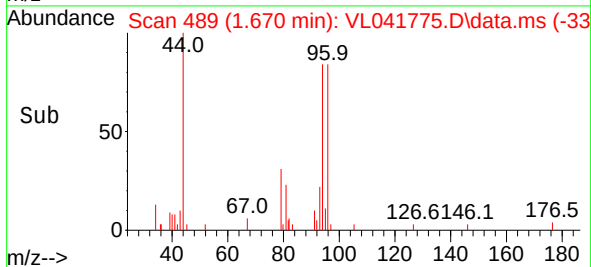
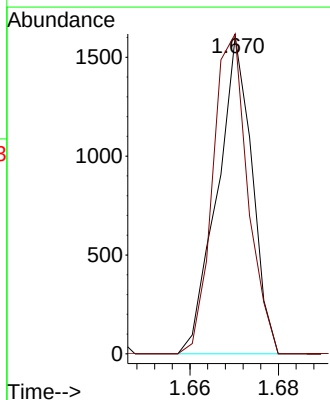
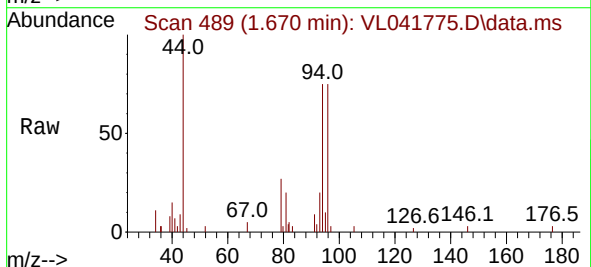
Manual Integrations
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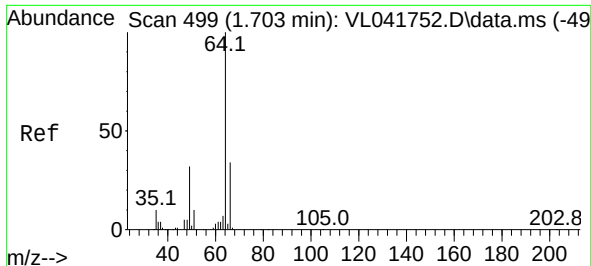
Reviewed By :Mahesh Dadoda 12/18/2024
Supervised By :Semsettin Yesilyurt 12/18/2024



#6
Bromomethane
Concen: 0.457 ppbv
RT: 1.670 min Scan# 489
Delta R.T. 0.003 min
Lab File: VL041775.D
Acq: 17 Dec 2024 13:10

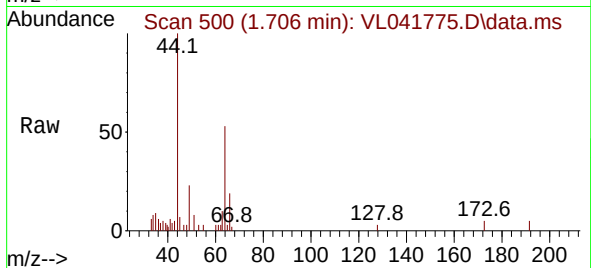
Tgt Ion: 94 Resp: 877
Ion Ratio Lower Upper
94 100
96 100.7 74.7 112.1





#7
Chloroethane
Concen: 0.505 ppbv
RT: 1.706 min Scan# 500
Delta R.T. 0.003 min
Lab File: VL041775.D
Acq: 17 Dec 2024 13:10

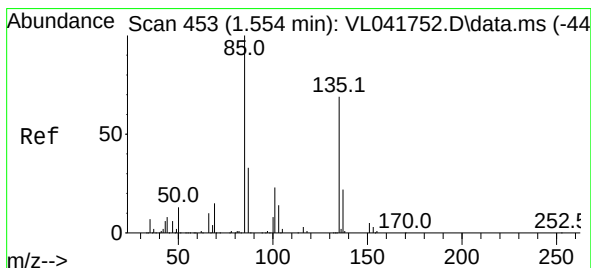
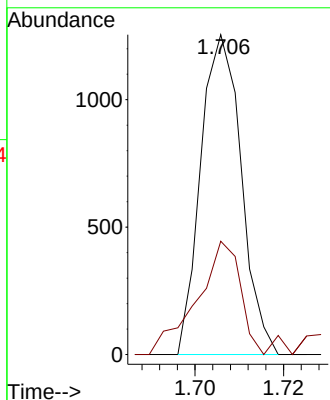
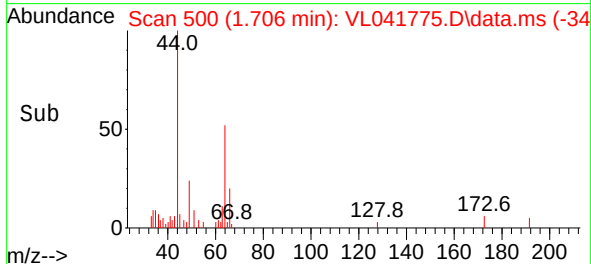
Instrument :
MSVOA_L
ClientSampleId :
MDL 0.4



Tgt Ion: 64 Resp: 79
Ion Ratio Lower Upper
64 100
66 39.5 27.5 41.3

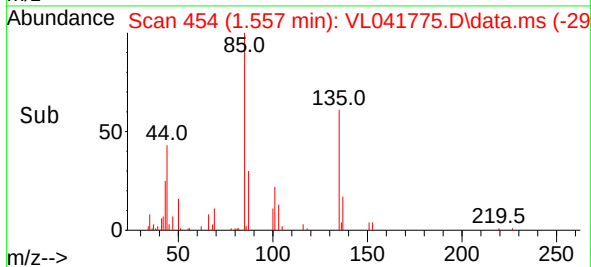
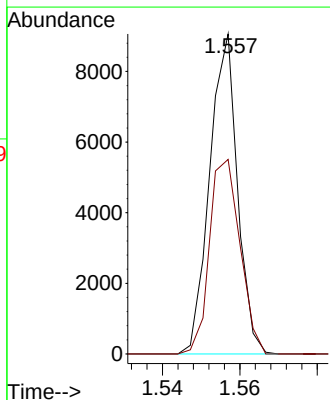
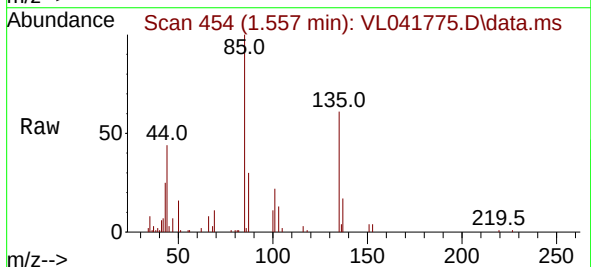
Manual Integrations
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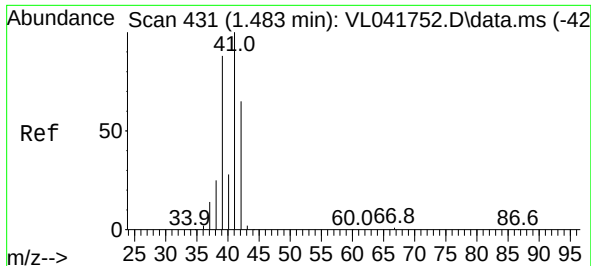
Reviewed By :Mahesh Dadoda 12/18/2024
Supervised By :Semsettin Yesilyurt 12/18/2024



#8
Dichlorotetrafluoroethane
Concen: 0.490 ppbv
RT: 1.557 min Scan# 454
Delta R.T. 0.003 min
Lab File: VL041775.D
Acq: 17 Dec 2024 13:10

Tgt Ion: 85 Resp: 4519
Ion Ratio Lower Upper
85 100
135 66.8 51.9 77.9





#9

Propene

Concen: 0.409 ppbv

RT: 1.486 min Scan# 41

Delta R.T. 0.003 min

Lab File: VL041775.D

Acq: 17 Dec 2024 13:10

Instrument :

MSVOA_L

ClientSampleId :

MDL 0.4

Tgt Ion: 41 Resp: 1679

Ion Ratio Lower Upper

41 100

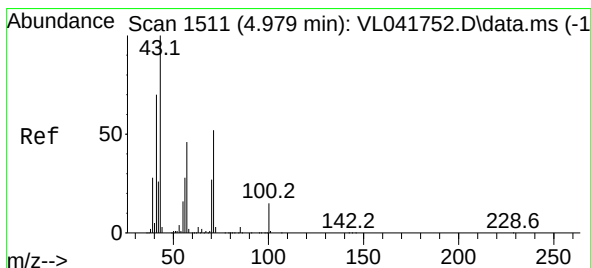
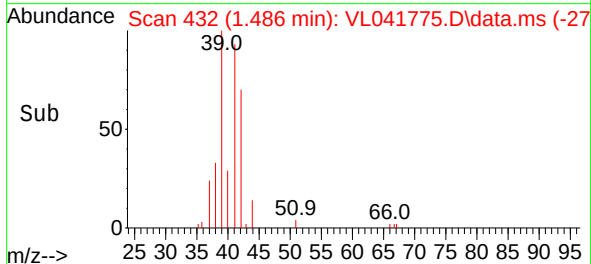
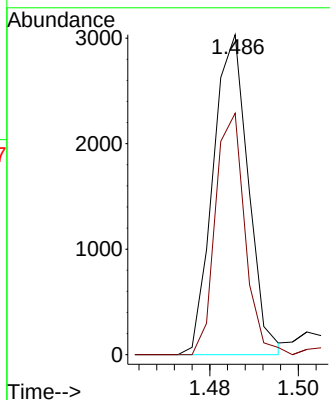
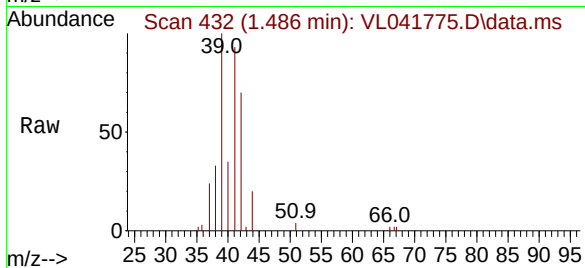
42 69.9 52.4 78.6

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 12/18/2024

Supervised By :Semsettin Yesilyurt 12/18/2024



#10

Heptane

Concen: 0.306 ppbv

RT: 4.994 min Scan# 1516

Delta R.T. 0.016 min

Lab File: VL041775.D

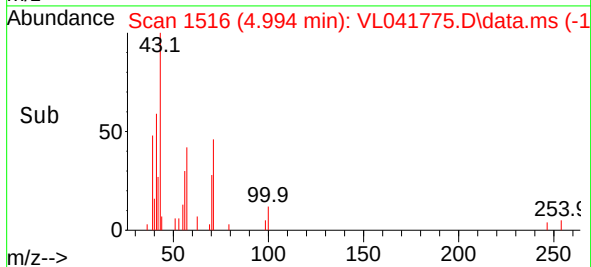
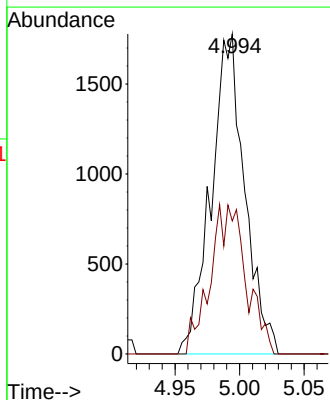
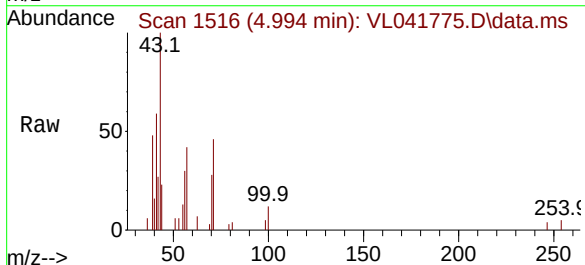
Acq: 17 Dec 2024 13:10

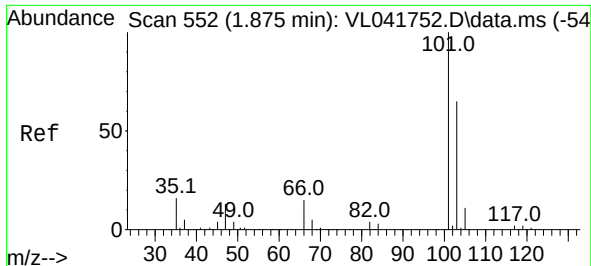
Tgt Ion: 43 Resp: 3222

Ion Ratio Lower Upper

43 100

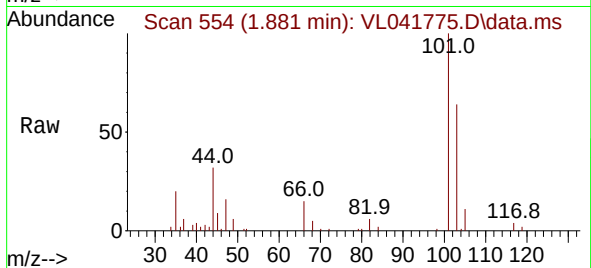
57 50.1 38.5 57.7





#11
Trichlorofluoromethane
Concen: 0.507 ppbv
RT: 1.881 min Scan# 555
Delta R.T. 0.006 min
Lab File: VL041775.D
Acq: 17 Dec 2024 13:10

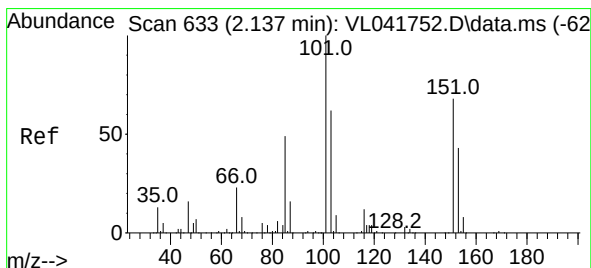
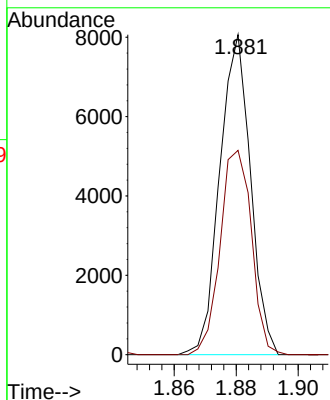
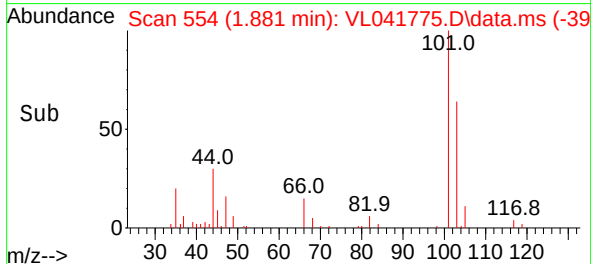
Instrument :
MSVOA_L
ClientSampleId :
MDL 0.4



Tgt Ion:101 Resp: 555
Ion Ratio Lower Upper
101 100
103 63.9 51.8 77.8

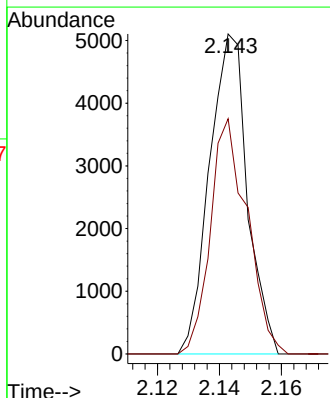
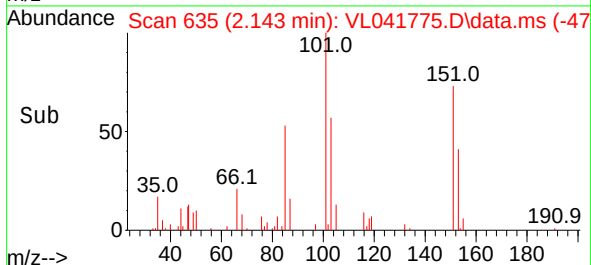
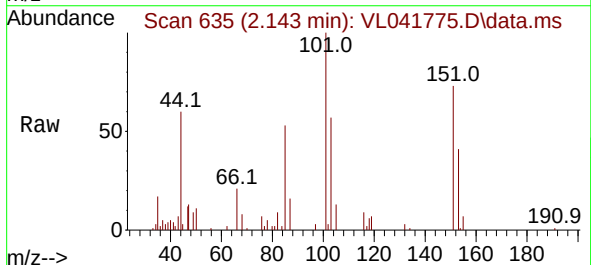
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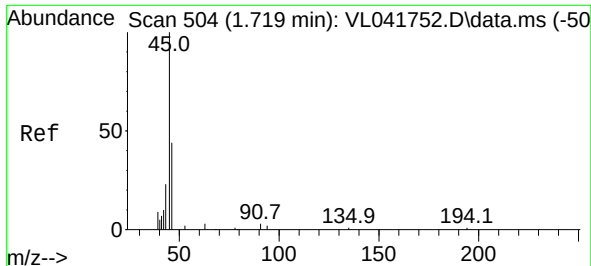
Reviewed By :Mahesh Dadoda 12/18/2024
Supervised By :Semsettin Yesilyurt 12/18/2024



#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.522 ppbv
RT: 2.143 min Scan# 635
Delta R.T. 0.006 min
Lab File: VL041775.D
Acq: 17 Dec 2024 13:10

Tgt Ion:101 Resp: 4346
Ion Ratio Lower Upper
101 100
151 71.1 56.8 85.2





#13

Ethanol

Concen: 6.136 ppbv

RT: 1.725 min Scan# 504

Delta R.T. 0.006 min

Lab File: VL041775.D

Acq: 17 Dec 2024 13:10

Instrument :

MSVOA_L

ClientSampleId :

MDL 0.4

Tgt Ion: 45 Resp: 208

Ion Ratio Lower Upper

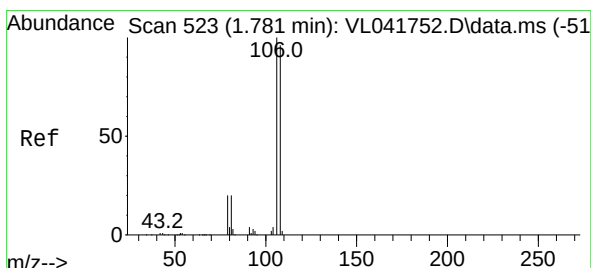
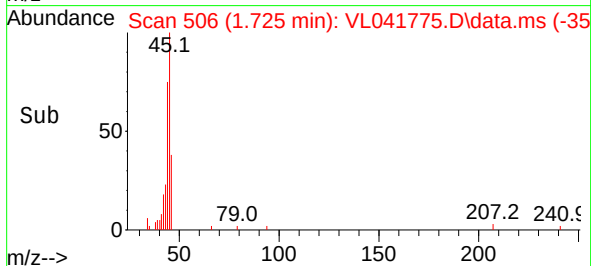
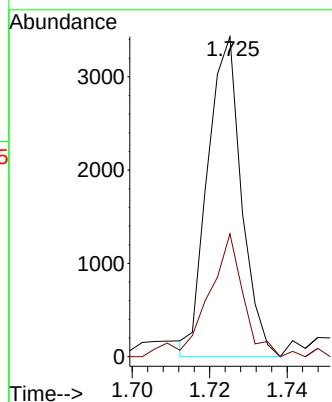
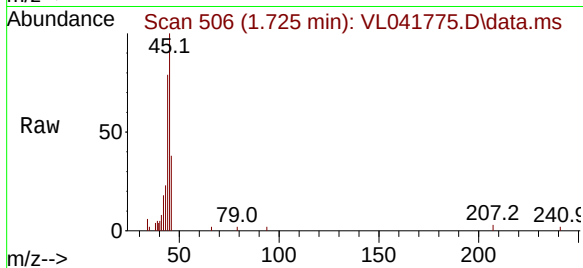
45 100

46 44.7 16.4 65.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 12/18/2024
Supervised By :Semsettin Yesilyurt 12/18/2024



#14

Bromoethene

Concen: 0.465 ppbv

RT: 1.784 min Scan# 524

Delta R.T. 0.003 min

Lab File: VL041775.D

Acq: 17 Dec 2024 13:10

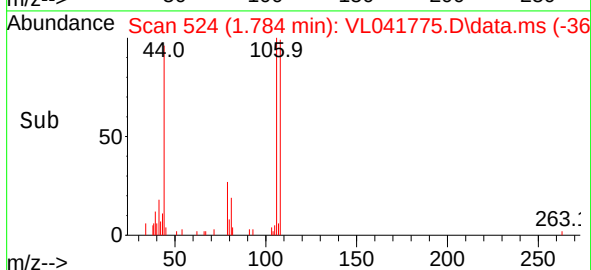
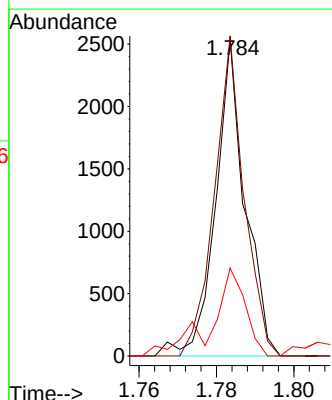
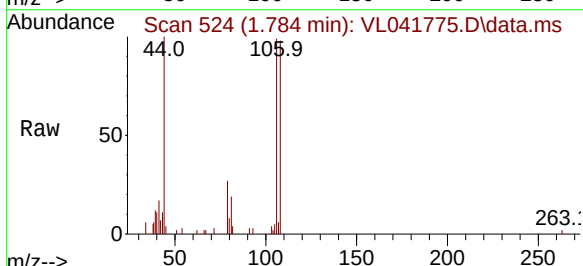
Tgt Ion:108 Resp: 1309

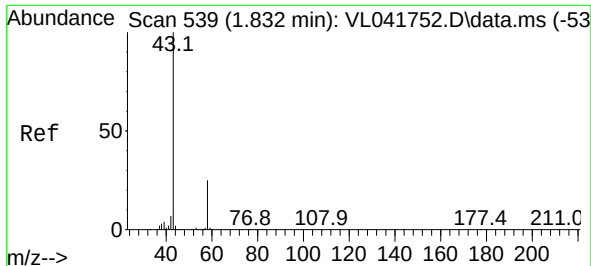
Ion Ratio Lower Upper

108 100

106 104.2 84.1 126.1

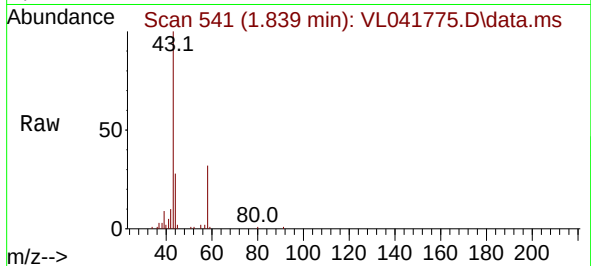
79 52.6 17.4 26.0#





#15
Acetone
Concen: 0.648 ppbv
RT: 1.839 min Scan# 541
Delta R.T. 0.006 min
Lab File: VL041775.D
Acq: 17 Dec 2024 13:10

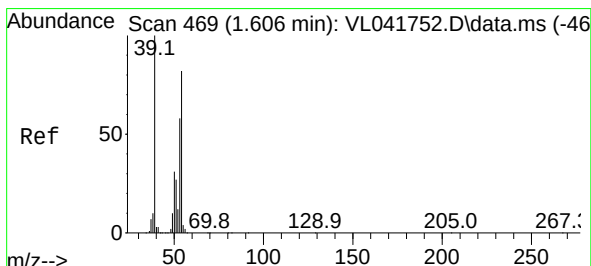
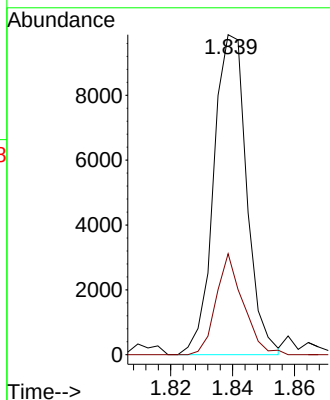
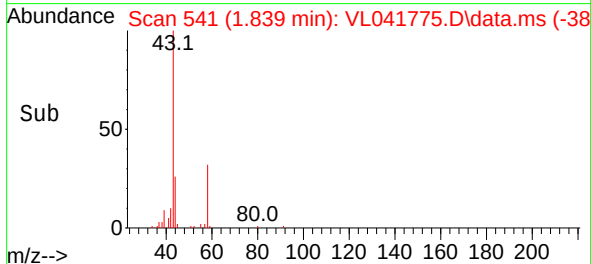
Instrument :
MSVOA_L
ClientSampleId :
MDL 0.4



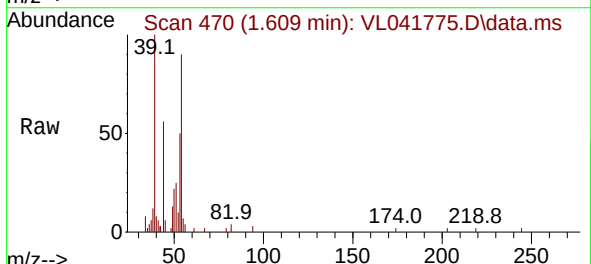
Tgt Ion: 43 Resp: 7300
Ion Ratio Lower Upper
43 100
58 25.8 19.7 29.5

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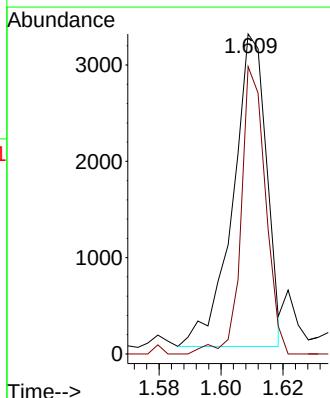
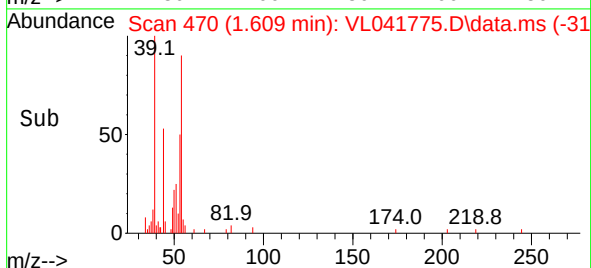
Reviewed By :Mahesh Dadoda 12/18/2024
Supervised By :Semsettin Yesilyurt 12/18/2024

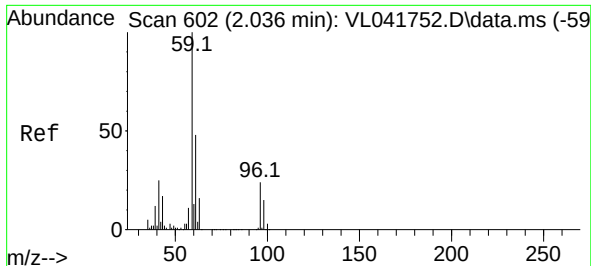


#16
1,3-Butadiene
Concen: 0.554 ppbv
RT: 1.609 min Scan# 470
Delta R.T. 0.003 min
Lab File: VL041775.D
Acq: 17 Dec 2024 13:10



Tgt Ion: 39 Resp: 2460
Ion Ratio Lower Upper
39 100
54 66.3 58.4 87.6





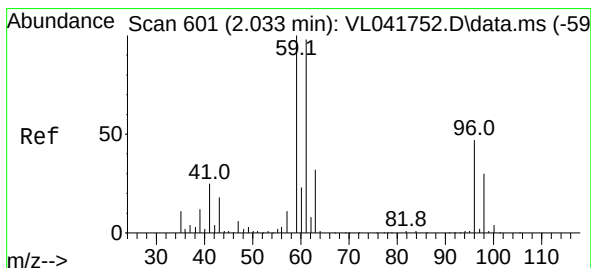
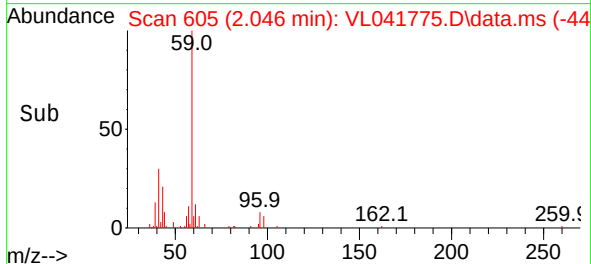
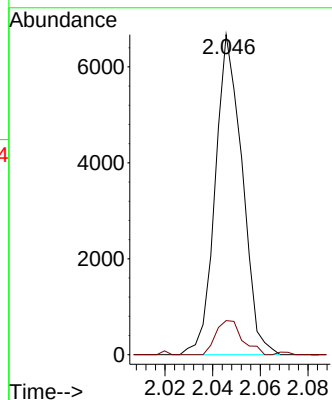
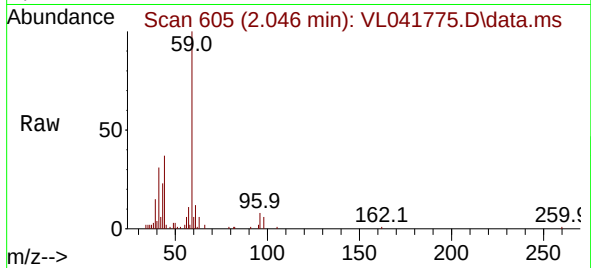
#17
tert-Butyl alcohol
Concen: 0.469 ppbv
RT: 2.046 min Scan# 605
Delta R.T. 0.009 min
Lab File: VL041775.D
Acq: 17 Dec 2024 13:10

Instrument :
MSVOA_L
ClientSampleId :
MDL 0.4

Tgt Ion: 59 Resp: 5240
Ion Ratio Lower Upper
59 100
57 10.9 8.6 13.0

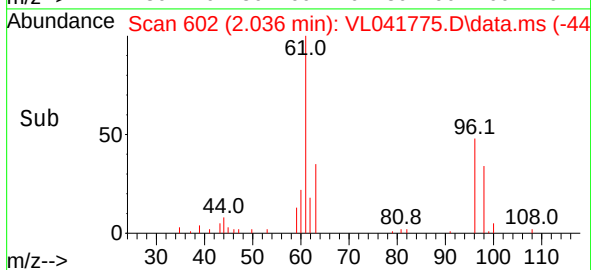
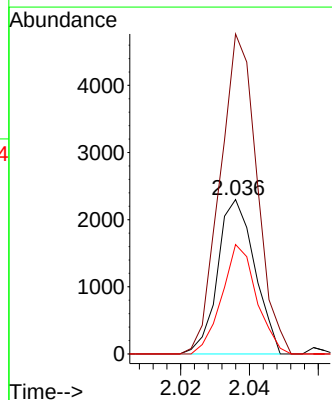
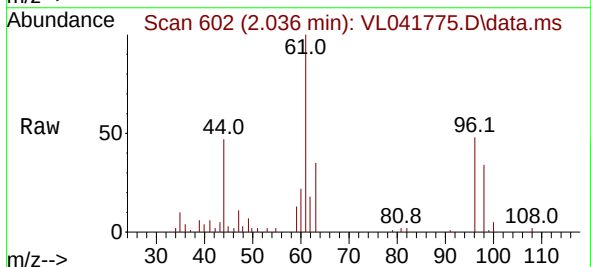
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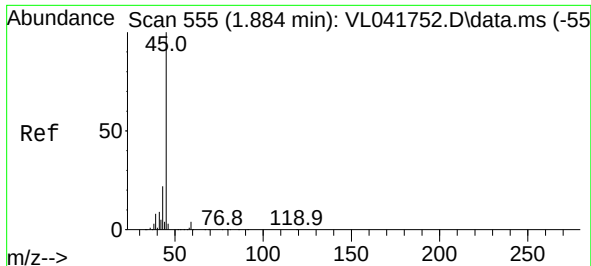
Reviewed By :Mahesh Dadoda 12/18/2024
Supervised By :Semsettin Yesilyurt 12/18/2024



#18
1,1-Dichloroethene
Concen: 0.493 ppbv
RT: 2.036 min Scan# 602
Delta R.T. 0.003 min
Lab File: VL041775.D
Acq: 17 Dec 2024 13:10

Tgt Ion: 96 Resp: 1720
Ion Ratio Lower Upper
96 100
61 207.3 167.7 251.5
98 70.9 51.1 76.7





#19

Isopropyl Alcohol

Concen: 0.745 ppbv

RT: 1.890 min Scan# 510

Delta R.T. 0.006 min

Lab File: VL041775.D

Acq: 17 Dec 2024 13:10

Instrument :

MSVOA_L

ClientSampleId :

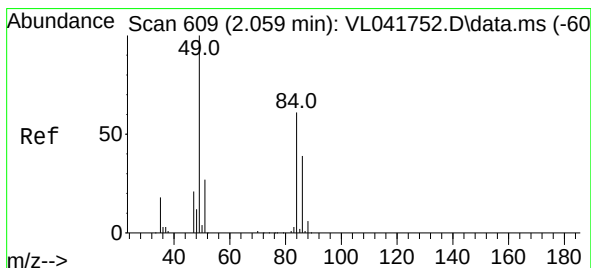
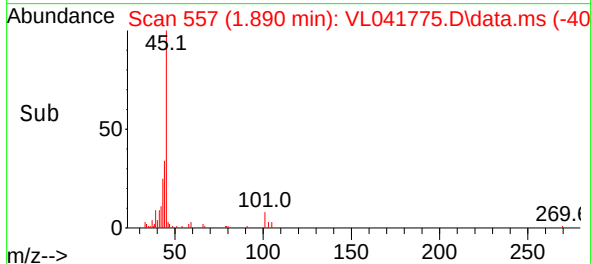
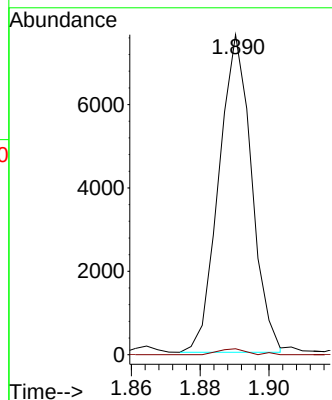
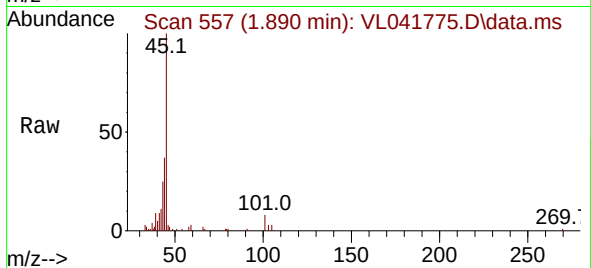
MDL 0.4

Tgt Ion: 45 Resp: 5040
 Ion Ratio Lower Upper
 45 100
 58 0.0 33.3 49.9

Manual Integrations

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Reviewed By :Mahesh Dadoda 12/18/2024
 Supervised By :Semsettin Yesilyurt 12/18/2024



#20

Methylene Chloride

Concen: 0.649 ppbv

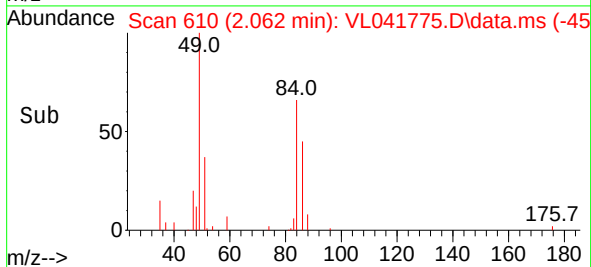
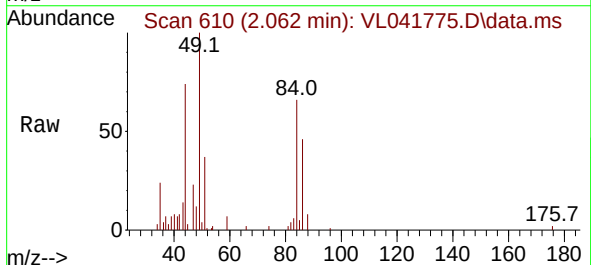
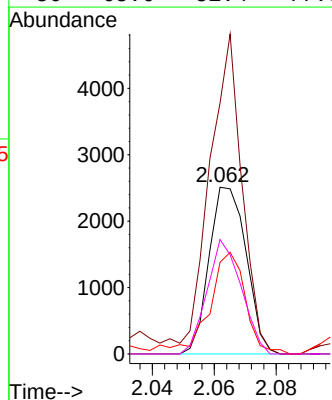
RT: 2.062 min Scan# 610

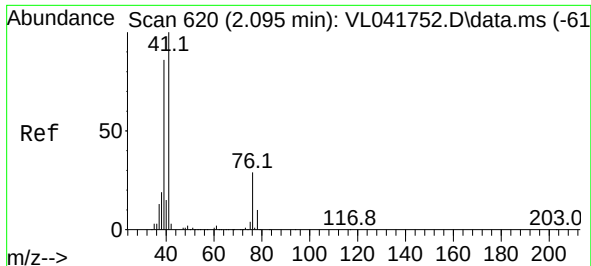
Delta R.T. 0.003 min

Lab File: VL041775.D

Acq: 17 Dec 2024 13:10

Tgt Ion: 84 Resp: 2088
 Ion Ratio Lower Upper
 84 100
 49 150.4 132.6 198.8
 51 54.5 37.6 56.4
 86 68.6 51.4 77.0





#21

Allyl Chloride

Concen: 0.486 ppbv

RT: 2.097 min Scan# 61

Delta R.T. 0.003 min

Lab File: VL041775.D

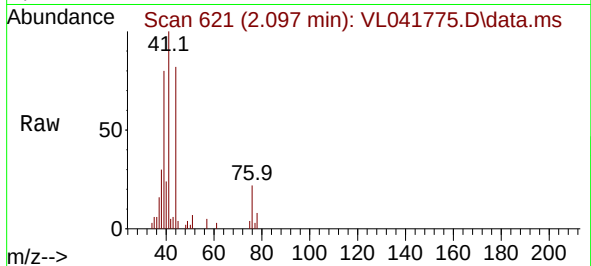
Acq: 17 Dec 2024 13:10

Instrument :

MSVOA_L

ClientSampleId :

MDL 0.4

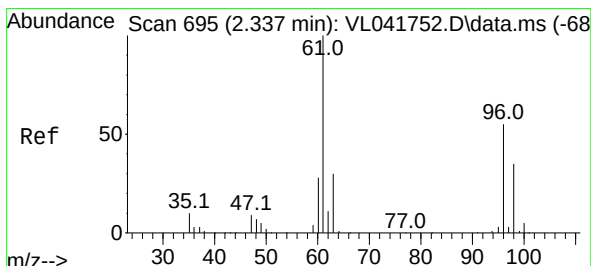
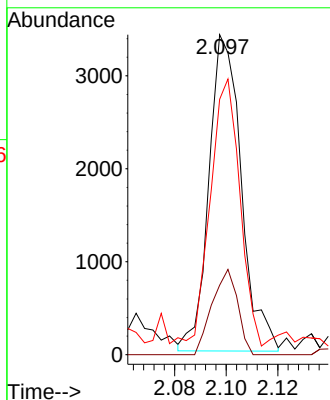
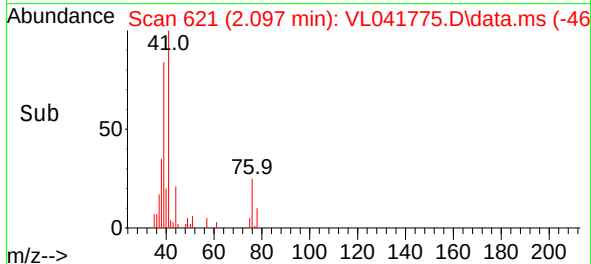


Tgt Ion: 41	Resp: 296
Ion Ratio	Lower Upper
41	100
76	21.2 22.3 33.5
39	72.5 69.2 103.8

Manual Integrations

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Reviewed By :Mahesh Dadoda 12/18/2024
Supervised By :Semsettin Yesilyurt 12/18/2024



#22

trans-1,2-Dichloroethene

Concen: 0.454 ppbv m

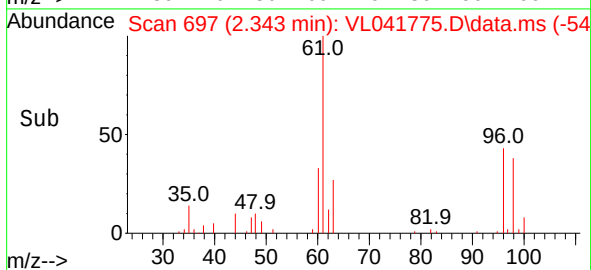
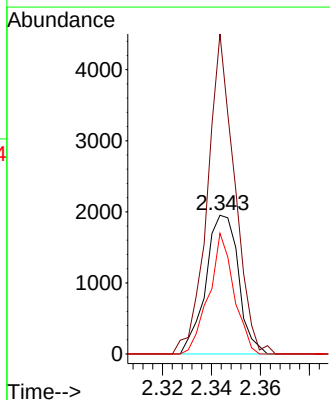
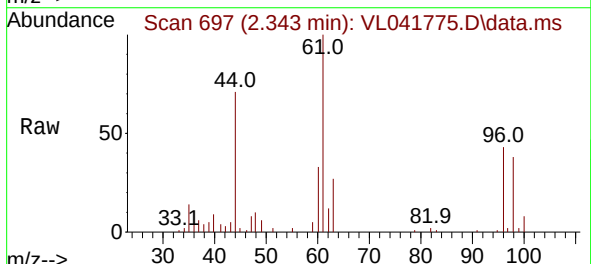
RT: 2.343 min Scan# 697

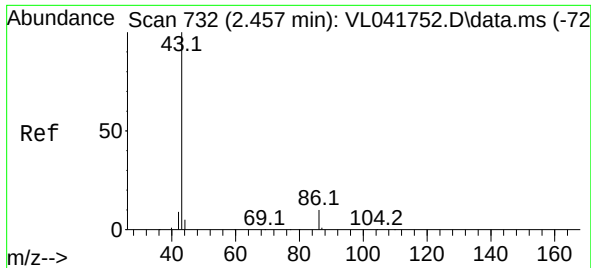
Delta R.T. 0.006 min

Lab File: VL041775.D

Acq: 17 Dec 2024 13:10

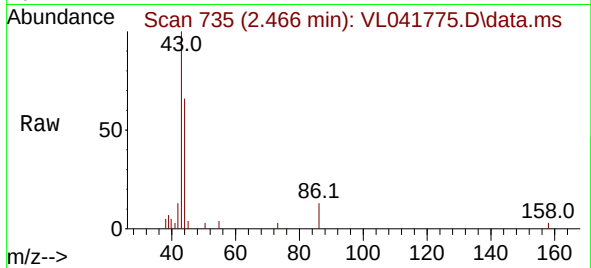
Tgt Ion: 96	Resp: 1814
Ion Ratio	Lower Upper
96	100
61	230.7 146.3 219.5#
98	87.0 50.8 76.2#





#23
 Vinyl Acetate
 Concen: 0.343 ppbv m
 RT: 2.466 min Scan# 719
 Delta R.T. 0.009 min
 Lab File: VL041775.D
 Acq: 17 Dec 2024 13:10

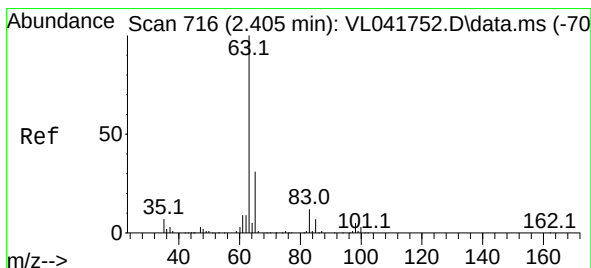
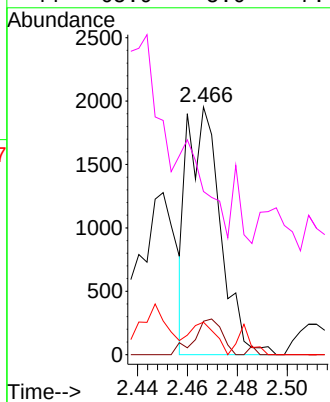
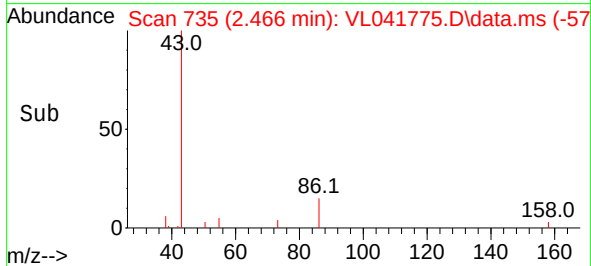
Instrument :
 MSVOA_1
 ClientSampleId :
 MDL 0.4



Tgt Ion: 43 Resp: 179#
 Ion Ratio Lower Upper
 43 100
 86 13.5 6.6 10.0#
 42 13.1 8.2 12.2#
 44 65.9 5.0 7.4#

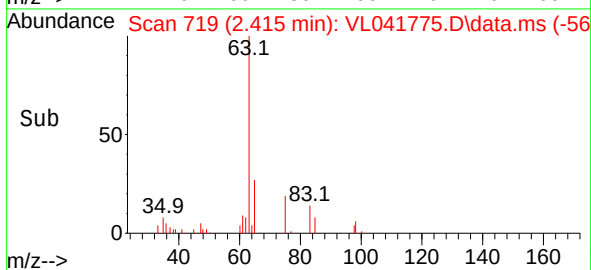
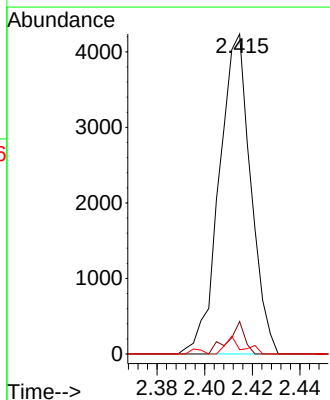
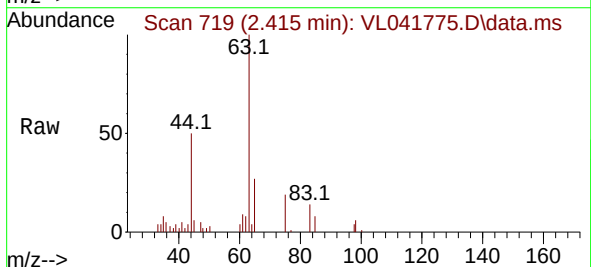
Manual Integrations
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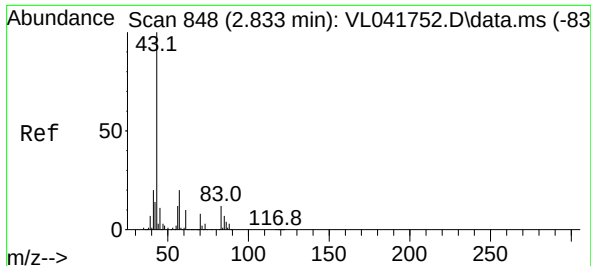
Reviewed By :Mahesh Dadoda 12/18/2024
 Supervised By :Semsettin Yesilyurt 12/18/2024



#24
 1,1-Dichloroethane
 Concen: 0.480 ppbv
 RT: 2.415 min Scan# 719
 Delta R.T. 0.009 min
 Lab File: VL041775.D
 Acq: 17 Dec 2024 13:10

Tgt Ion: 63 Resp: 3883
 Ion Ratio Lower Upper
 63 100
 98 10.1 2.3 6.8#
 100 1.4 1.4 4.2#





#25

Ethyl Acetate

Concen: 0.399 ppbv

RT: 2.845 min Scan# 845

Delta R.T. 0.013 min

Lab File: VL041775.D

Acq: 17 Dec 2024 13:10

Instrument :

MSVOA_L

ClientSampleId :

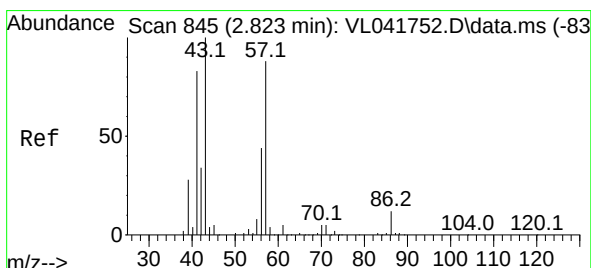
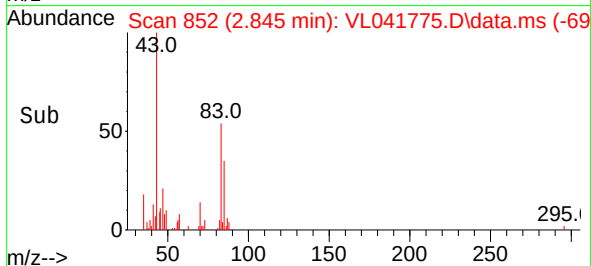
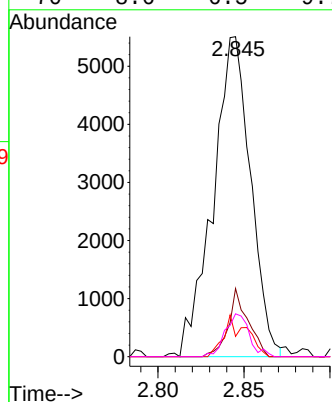
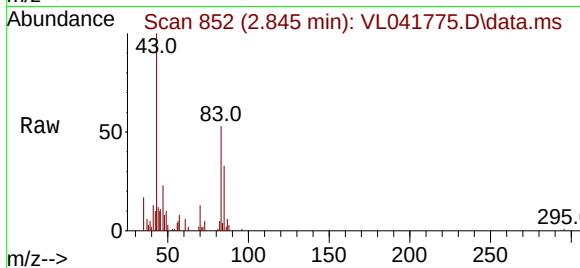
MDL 0.4

Tgt Ion: 43	Resp: 837
Ion Ratio	Lower Upper
43 100	
45 11.2	8.1 12.1
61 7.9	7.0 10.6
70 8.6	6.5 9.7

Manual Integrations

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Reviewed By :Mahesh Dadoda 12/18/2024
Supervised By :Semsettin Yesilyurt 12/18/2024



#26

Hexane

Concen: 0.351 ppbv

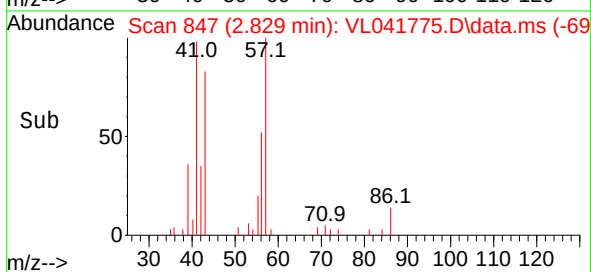
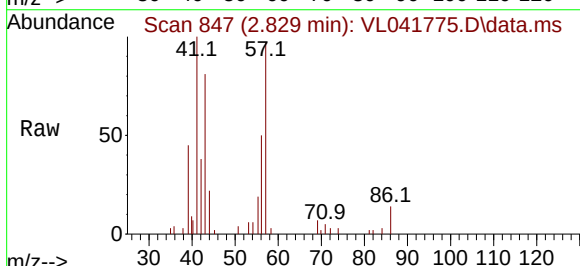
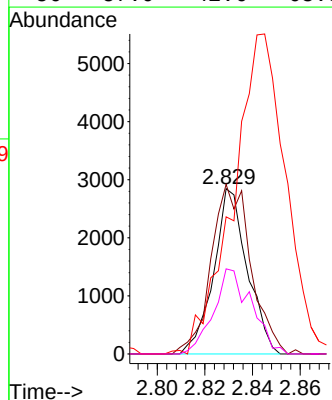
RT: 2.829 min Scan# 847

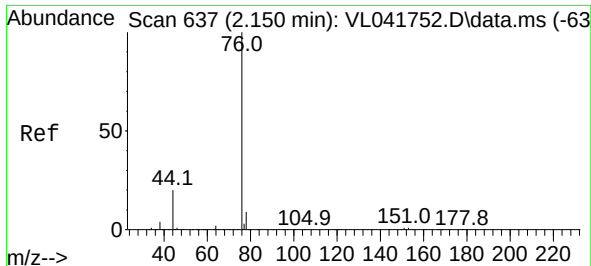
Delta R.T. 0.006 min

Lab File: VL041775.D

Acq: 17 Dec 2024 13:10

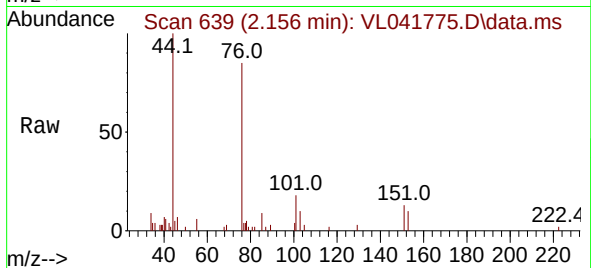
Tgt Ion: 57	Resp: 2791
Ion Ratio	Lower Upper
57 100	
41 121.3	79.6 119.4#
43 304.6	211.0 316.6
56 57.9	42.6 63.8





#27
Carbon Disulfide
Concen: 0.272 ppbv
RT: 2.156 min Scan# 61
Delta R.T. 0.006 min
Lab File: VL041775.D
Acq: 17 Dec 2024 13:10

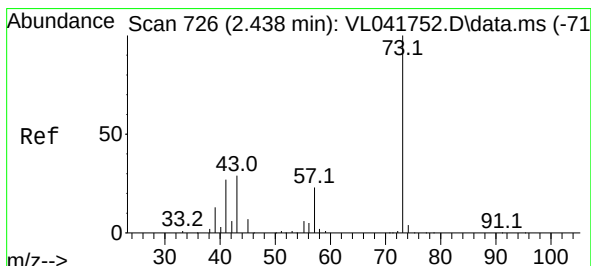
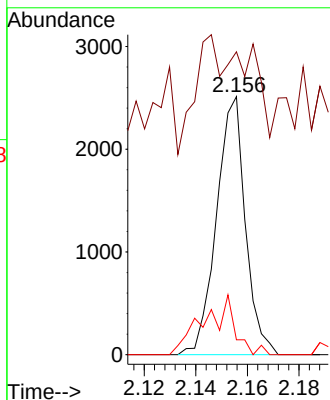
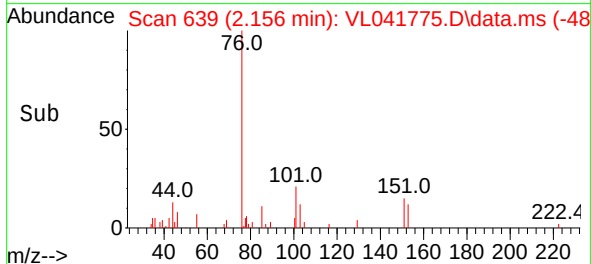
Instrument :
MSVOA_L
ClientSampleId :
MDL 0.4



Tgt Ion: 76 Resp: 195
Ion Ratio Lower Upper
76 100
44 329.3 17.6 26.4
78 25.3 10.2 15.4

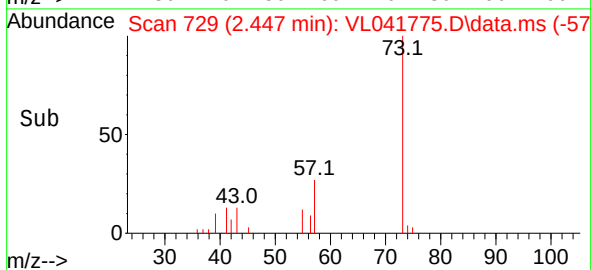
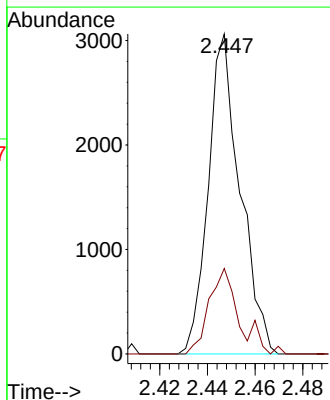
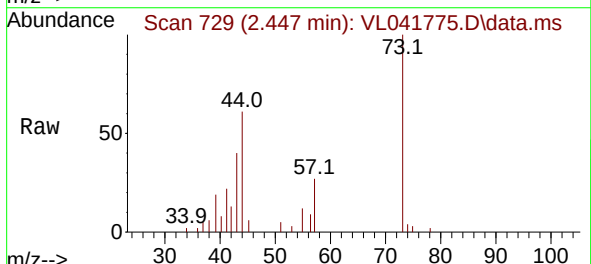
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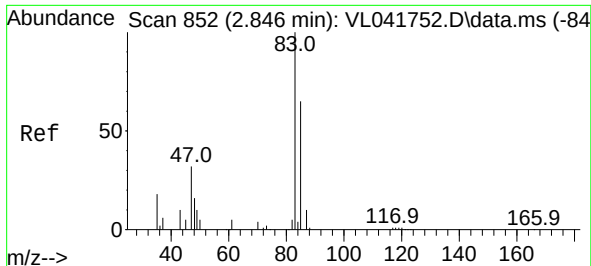
Reviewed By :Mahesh Dadoda 12/18/2024
Supervised By :Semsettin Yesilyurt 12/18/2024



#28
Methyl tert-Butyl Ether
Concen: 0.440 ppbv
RT: 2.447 min Scan# 729
Delta R.T. 0.009 min
Lab File: VL041775.D
Acq: 17 Dec 2024 13:10

Tgt Ion: 73 Resp: 2841
Ion Ratio Lower Upper
73 100
57 25.1 17.6 26.4





#29

Chloroform

Concen: 0.501 ppbv

RT: 2.852 min Scan# 852

Delta R.T. 0.006 min

Lab File: VL041775.D

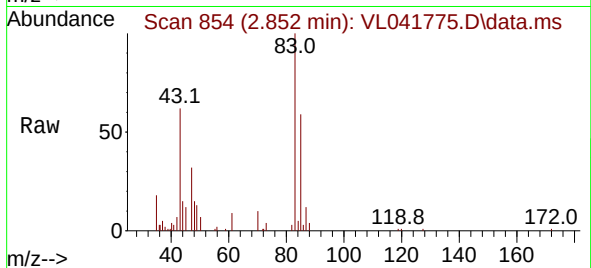
Acq: 17 Dec 2024 13:10

Instrument :

MSVOA_L

ClientSampleId :

MDL 0.4

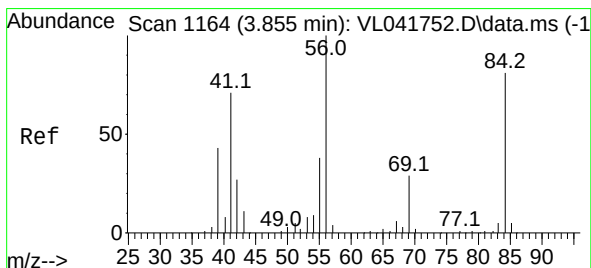
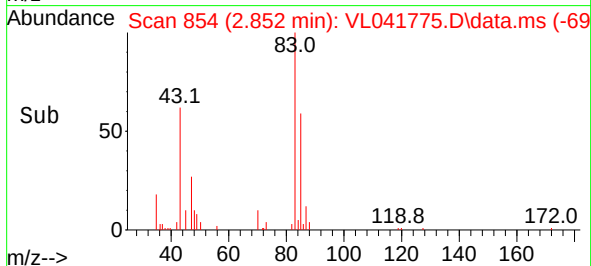
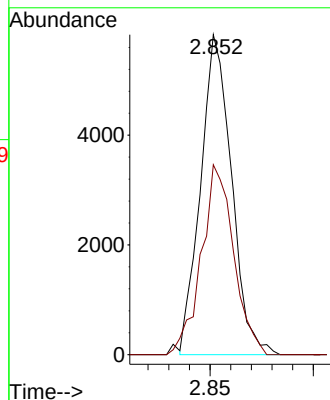


Tgt Ion:	83	Resp:	6070
Ion Ratio	Lower	Upper	
83	100		
85	59.3	51.8	77.6

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 12/18/2024
Supervised By :Semsettin Yesilyurt 12/18/2024



#30

Cyclohexane

Concen: 0.324 ppbv m

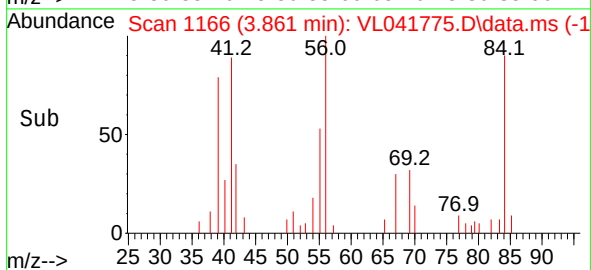
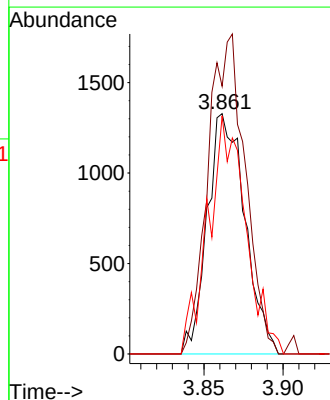
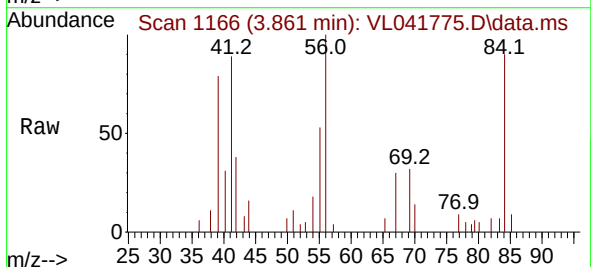
RT: 3.861 min Scan# 1166

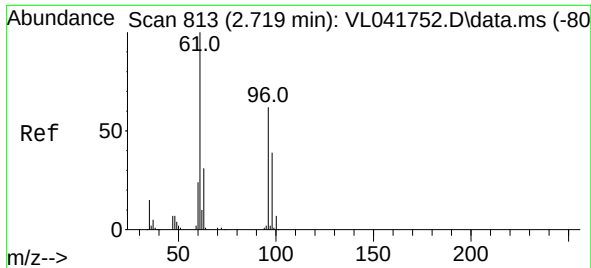
Delta R.T. 0.006 min

Lab File: VL041775.D

Acq: 17 Dec 2024 13:10

Tgt Ion:	84	Resp:	2194
Ion Ratio	Lower	Upper	
84	100		
56	0.0	102.3	153.5#
41	98.5	74.0	111.0





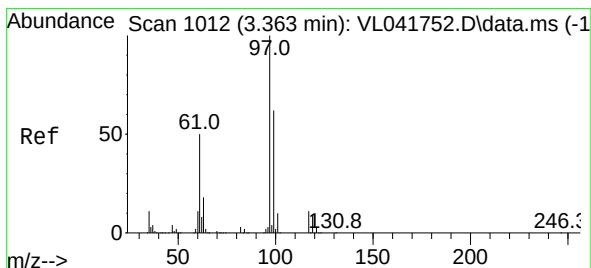
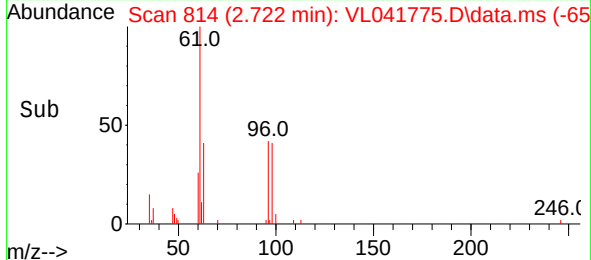
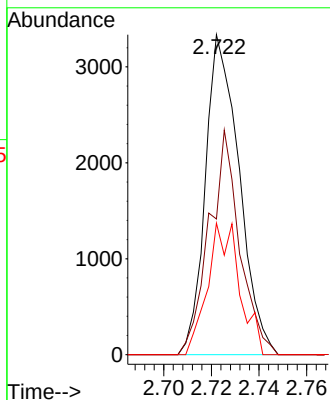
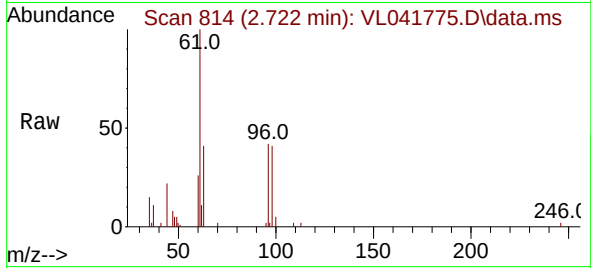
#31
 cis-1,2-Dichloroethene
 Concen: 0.398 ppbv
 RT: 2.722 min Scan# 813
 Delta R.T. 0.003 min
 Lab File: VL041775.D
 Acq: 17 Dec 2024 13:10

Instrument :
 MSVOA_L
 ClientSampleId :
 MDL 0.4

Tgt Ion: 61 Resp: 3270
 Ion Ratio Lower Upper
 61 100
 96 38.3 49.7 74.5
 98 37.2 30.8 46.2

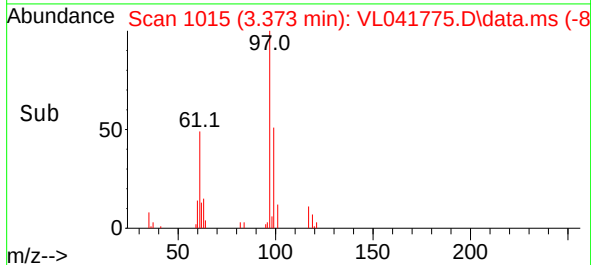
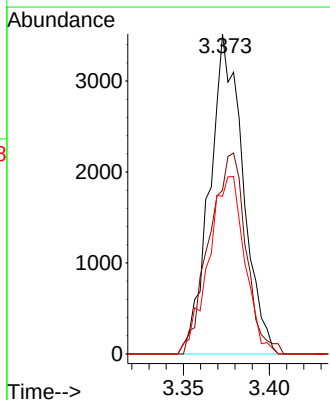
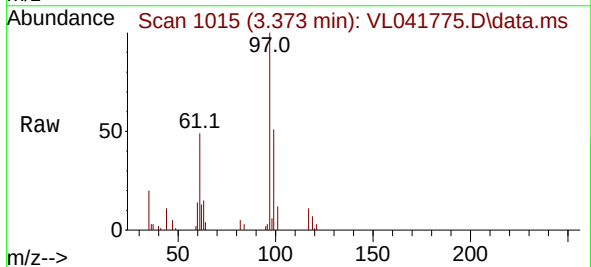
Manual Integrations
 APPROVED

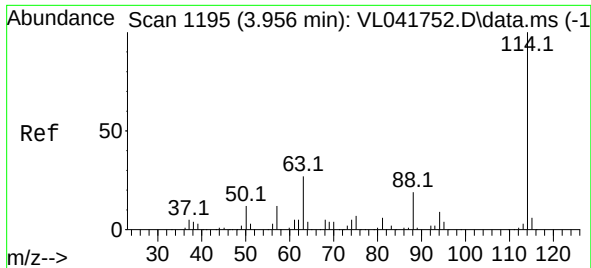
Reviewed By :Mahesh Dadoda 12/18/2024
 Supervised By :Semsettin Yesilyurt 12/18/2024



#32
 1,1,1-Trichloroethane
 Concen: 0.383 ppbv
 RT: 3.373 min Scan# 1015
 Delta R.T. 0.009 min
 Lab File: VL041775.D
 Acq: 17 Dec 2024 13:10

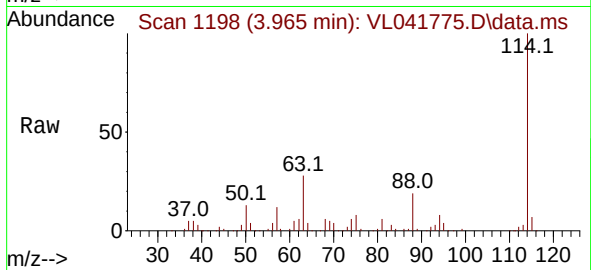
Tgt Ion: 97 Resp: 4720
 Ion Ratio Lower Upper
 97 100
 99 69.0 51.0 76.4
 61 60.1 42.2 63.2





#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.965 min Scan# 1195
Delta R.T. 0.009 min
Lab File: VL041775.D
Acq: 17 Dec 2024 13:10

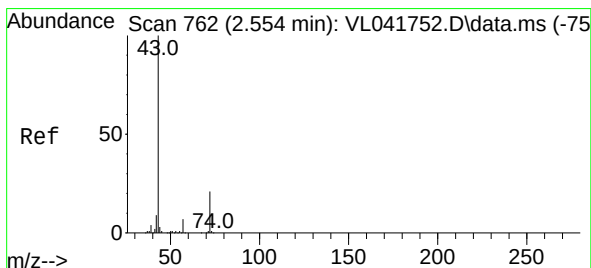
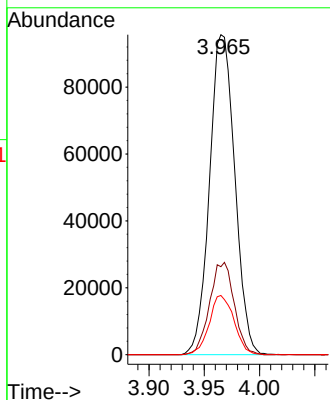
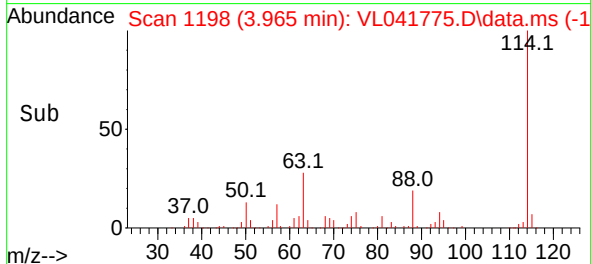
Instrument :
MSVOA_L
ClientSampleId :
MDL 0.4



Tgt Ion:114 Resp: 15201
Ion Ratio Lower Upper
114 100
63 28.1 21.8 32.8
88 18.1 14.8 22.2

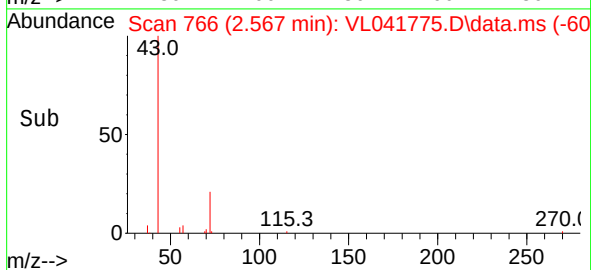
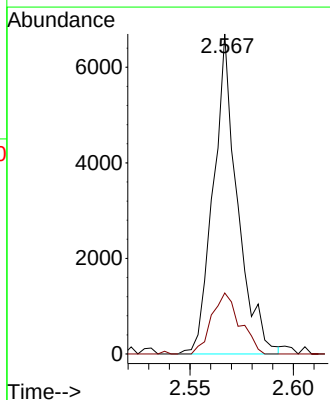
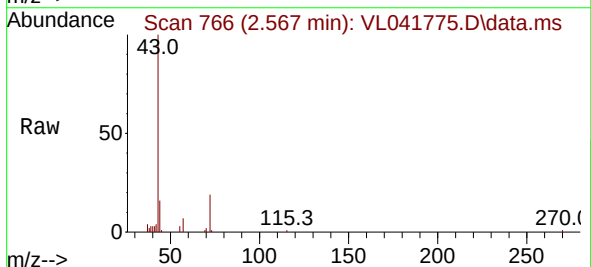
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APPROVED

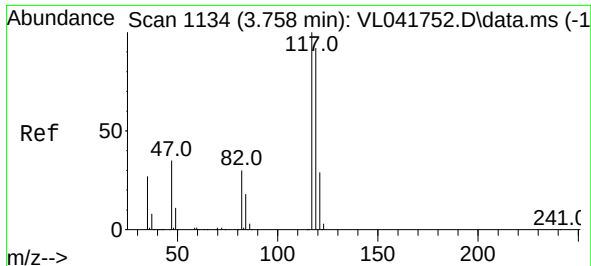
Reviewed By :Mahesh Dadoda 12/18/2024
Supervised By :Semsettin Yesilyurt 12/18/2024



#34
2-Butanone
Concen: 0.443 ppbv
RT: 2.567 min Scan# 766
Delta R.T. 0.013 min
Lab File: VL041775.D
Acq: 17 Dec 2024 13:10

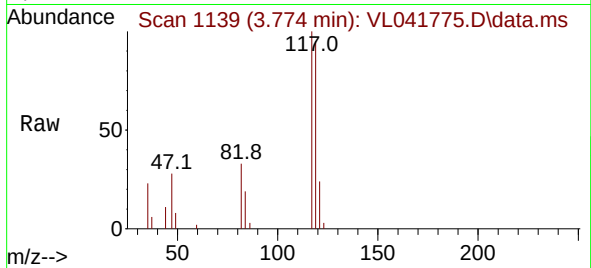
Tgt Ion: 43 Resp: 5420
Ion Ratio Lower Upper
43 100
72 22.4 16.8 25.2





#35
Carbon Tetrachloride
Concen: 0.431 ppbv
RT: 3.774 min Scan# 1134
Delta R.T. 0.016 min
Lab File: VL041775.D
Acq: 17 Dec 2024 13:10

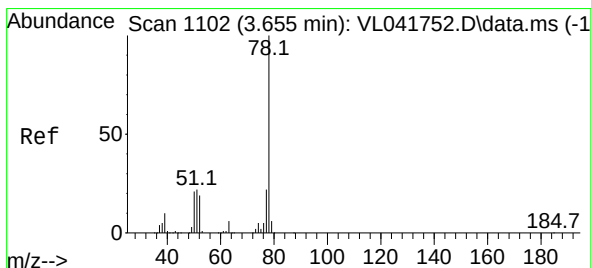
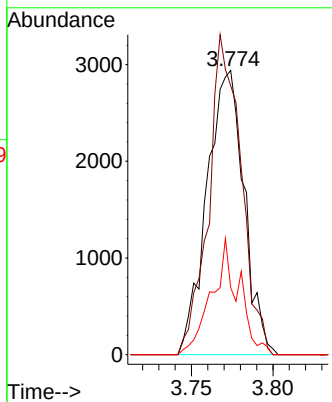
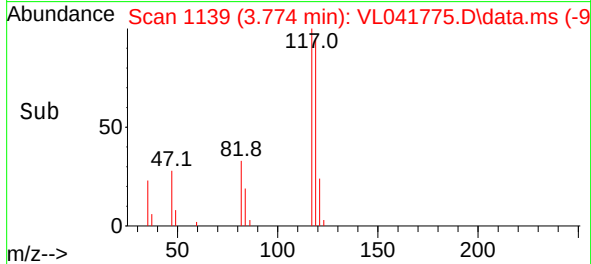
Instrument :
MSVOA_L
ClientSampleId :
MDL 0.4



Tgt Ion:117 Resp: 465
Ion Ratio Lower Upper
117 100
119 94.7 73.7 110.5
121 23.6 23.0 34.4

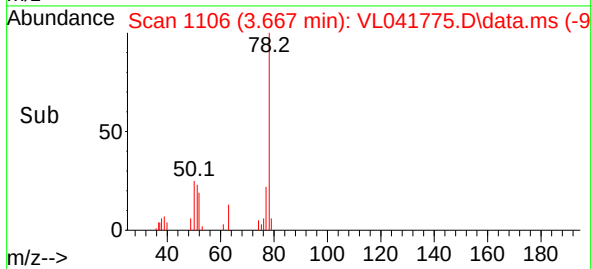
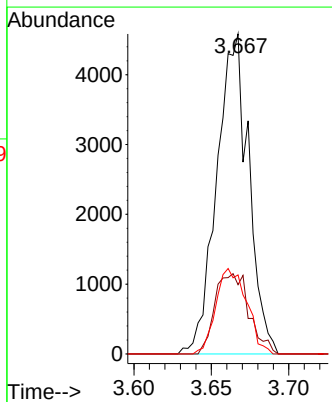
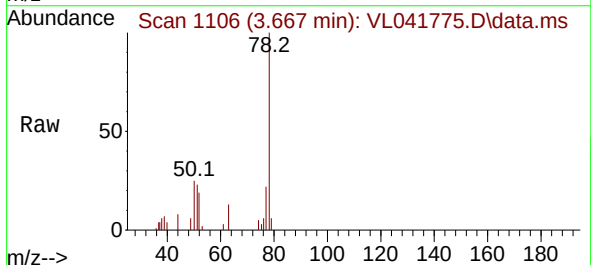
Manual Integrations
APPROVED

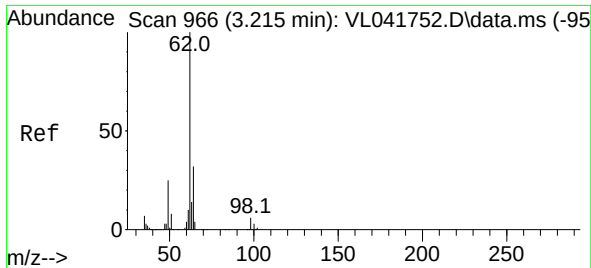
Reviewed By :Mahesh Dadoda 12/18/2024
Supervised By :Semsettin Yesilyurt 12/18/2024



#36
Benzene
Concen: 0.418 ppbv
RT: 3.667 min Scan# 1106
Delta R.T. 0.012 min
Lab File: VL041775.D
Acq: 17 Dec 2024 13:10

Tgt Ion: 78 Resp: 6579
Ion Ratio Lower Upper
78 100
77 21.7 17.8 26.6
50 24.7 17.2 25.8





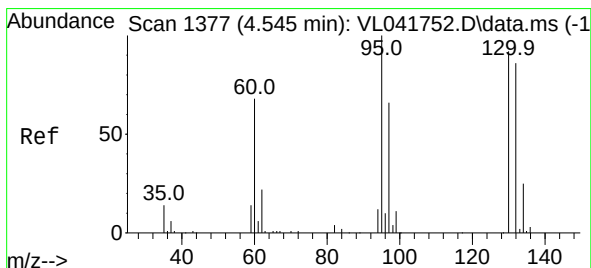
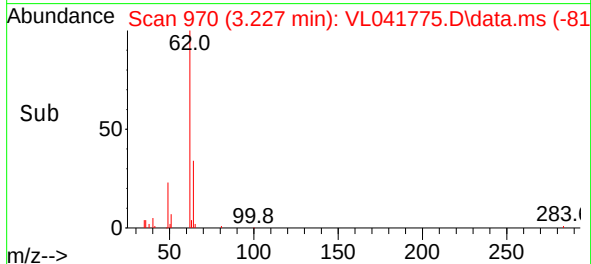
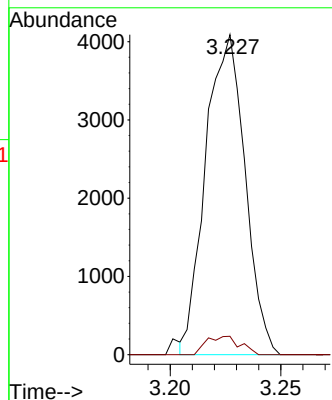
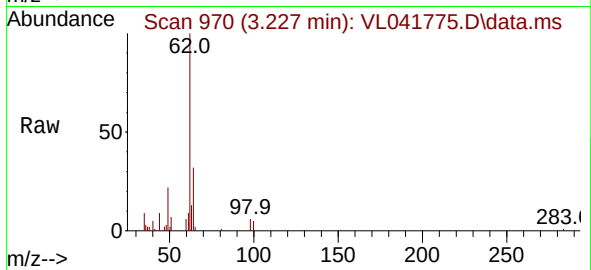
#37
1,2-Dichloroethane
Concen: 0.517 ppbv
RT: 3.227 min Scan# 91
Delta R.T. 0.013 min
Lab File: VL041775.D
Acq: 17 Dec 2024 13:10

Instrument :
MSVOA_L
ClientSampleId :
MDL 0.4

Tgt Ion: 62 Resp: 5063
Ion Ratio Lower Upper
62 100
98 4.9 4.7 7.1

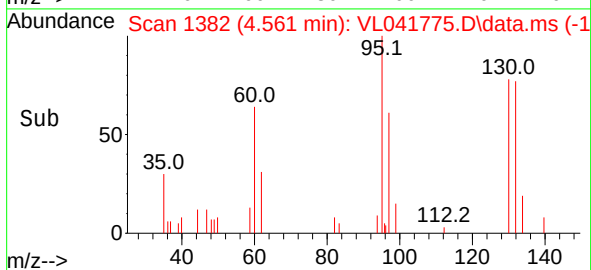
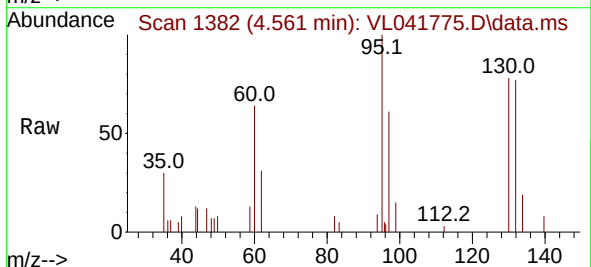
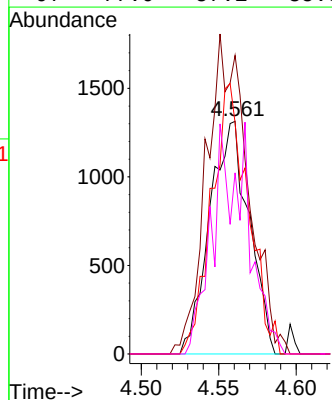
Manual Integrations
APPROVED

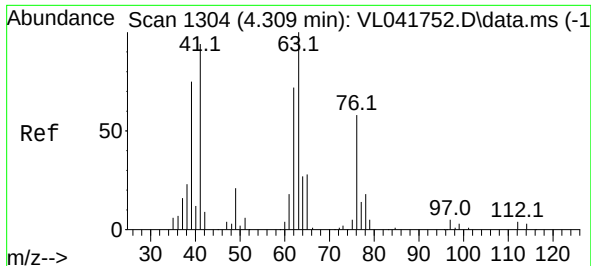
Reviewed By :Mahesh Dadoda 12/18/2024
Supervised By :Semsettin Yesilyurt 12/18/2024



#38
Trichloroethene
Concen: 0.348 ppbv
RT: 4.561 min Scan# 1382
Delta R.T. 0.016 min
Lab File: VL041775.D
Acq: 17 Dec 2024 13:10

Tgt Ion:130 Resp: 2322
Ion Ratio Lower Upper
130 100
95 124.5 87.0 130.6
132 99.4 75.0 112.6
97 77.9 57.2 85.8





#39

1,2-Dichloropropane

Concen: 0.462 ppbv m

RT: 4.324 min Scan# 1309

Delta R.T. 0.016 min

Lab File: VL041775.D

Acq: 17 Dec 2024 13:10

Instrument :

MSVOA_L

ClientSampleId :

MDL 0.4

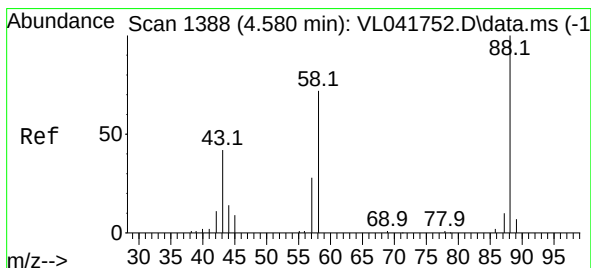
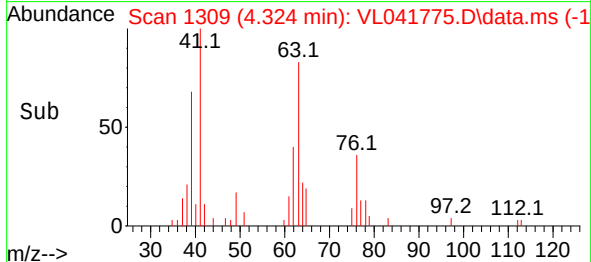
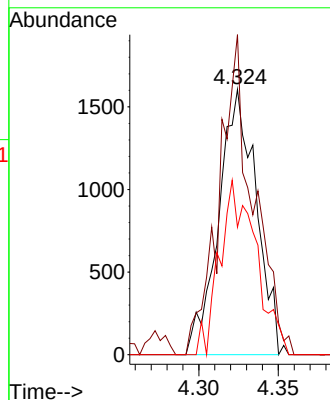
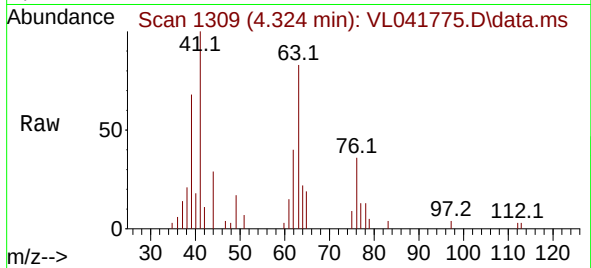
Tgt Ion: 63 Resp: 262

Ion	Ratio	Lower	Upper
63	100		
41	120.6	75.3	112.9
62	48.1	57.3	85.9

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 12/18/2024
Supervised By :Semsettin Yesilyurt 12/18/2024



#40

1,4-Dioxane

Concen: 0.398 ppbv m

RT: 4.612 min Scan# 1398

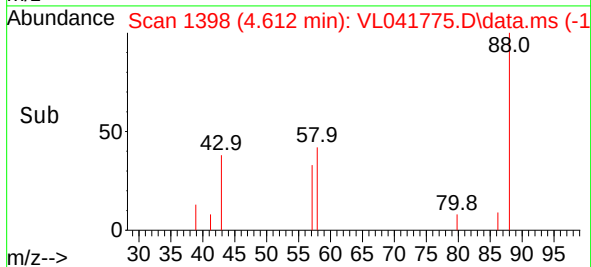
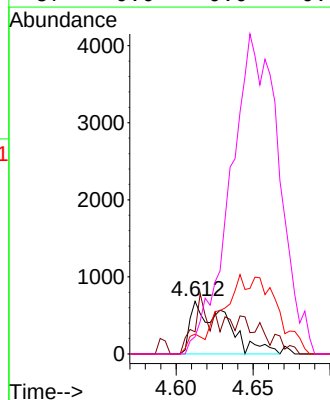
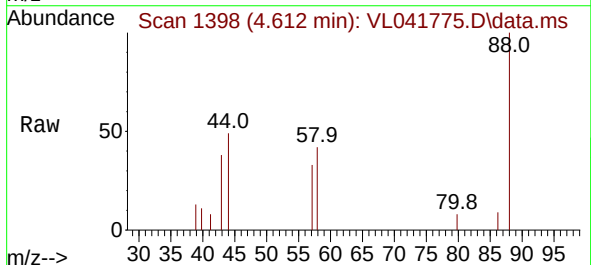
Delta R.T. 0.032 min

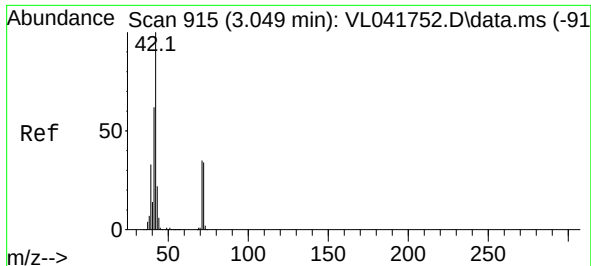
Lab File: VL041775.D

Acq: 17 Dec 2024 13:10

Tgt Ion: 88 Resp: 1107

Ion	Ratio	Lower	Upper
88	100		
58	138.1	61.0	91.6
43	0.0	29.4	44.0
57	0.0	0.0	0.0





#41

Tetrahydrofuran

Concen: 0.340 ppbv

RT: 3.075 min Scan# 915

Delta R.T. 0.025 min

Lab File: VL041775.D

Acq: 17 Dec 2024 13:10

Instrument :

MSVOA_L

ClientSampleId :

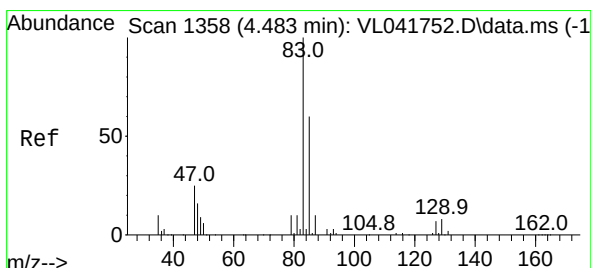
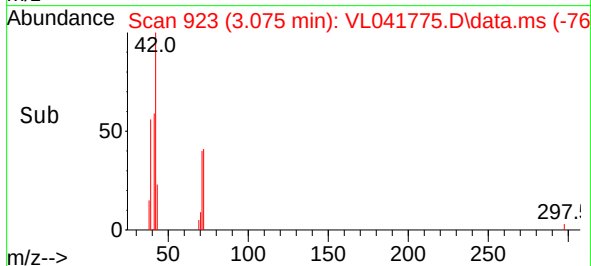
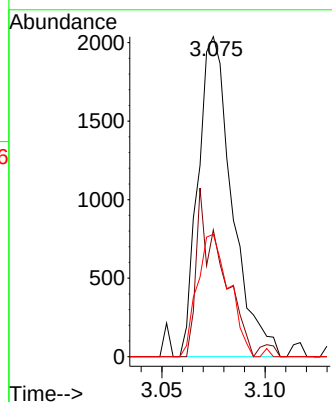
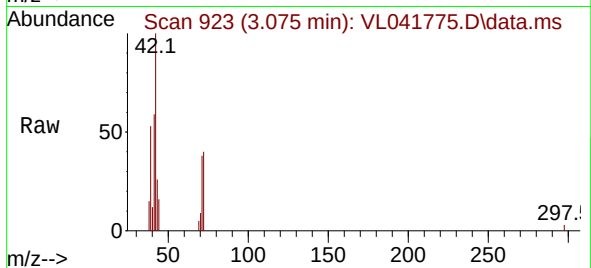
MDL 0.4

Tgt Ion:	42	Resp:	233
Ion Ratio	Lower	Upper	
42	100		
72	40.2	29.1	43.7
71	36.1	28.4	42.6

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 12/18/2024
Supervised By :Semsettin Yesilyurt 12/18/2024



#42

Bromodichloromethane

Concen: 0.354 ppbv

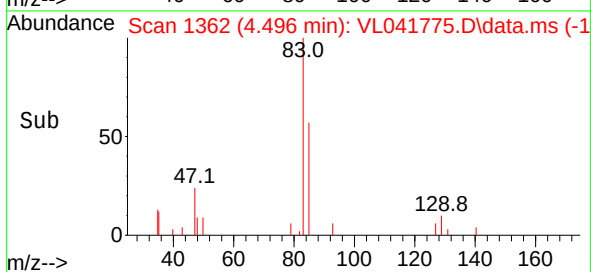
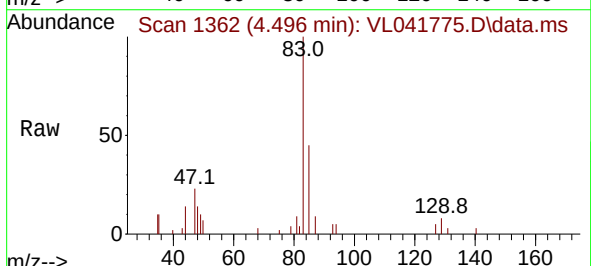
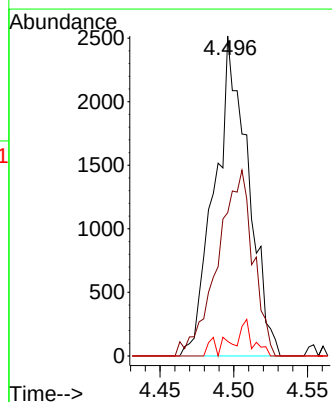
RT: 4.496 min Scan# 1362

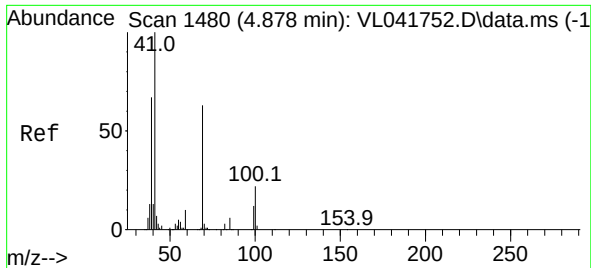
Delta R.T. 0.013 min

Lab File: VL041775.D

Acq: 17 Dec 2024 13:10

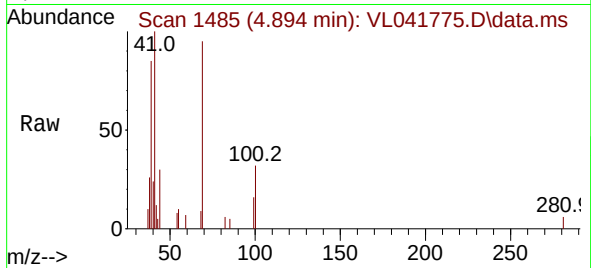
Tgt Ion:	83	Resp:	3983
Ion Ratio	Lower	Upper	
83	100		
85	44.8	48.0	72.0#
127	4.5	5.8	8.8#





#43
Methyl Methacrylate
Concen: 0.298 ppbv m
RT: 4.894 min Scan# 1485
Delta R.T. 0.016 min
Lab File: VL041775.D
Acq: 17 Dec 2024 13:10

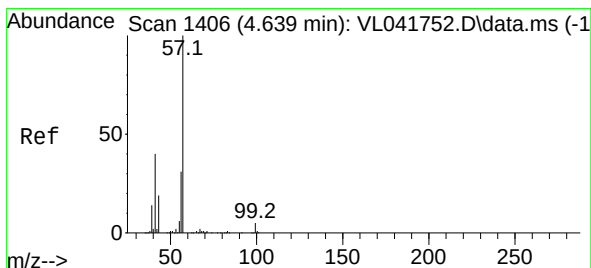
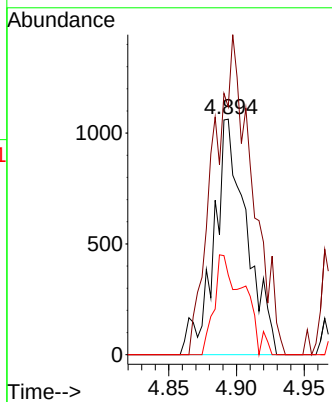
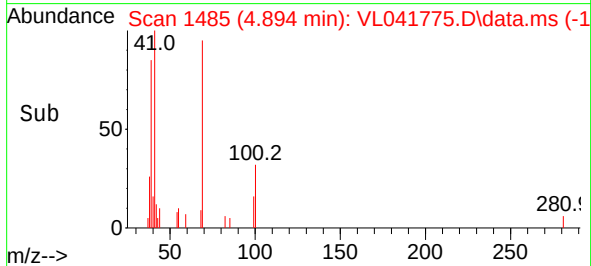
Instrument :
MSVOA_L
ClientSampleId :
MDL 0.4



Tgt Ion: 69 Resp: 1784
Ion Ratio Lower Upper
69 100
41 160.5 130.3 195.5
100 38.5 28.3 42.5

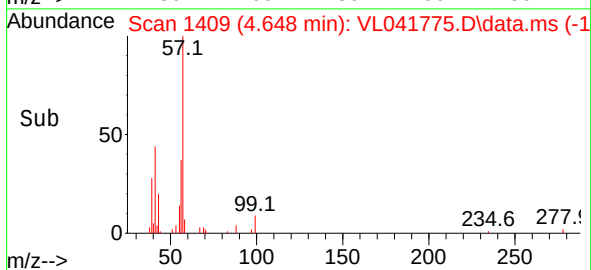
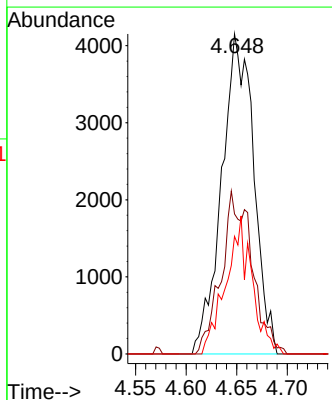
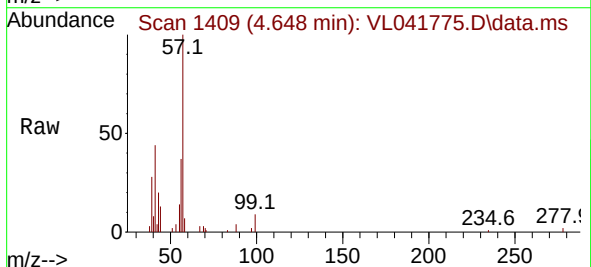
Manual Integrations
APPROVED

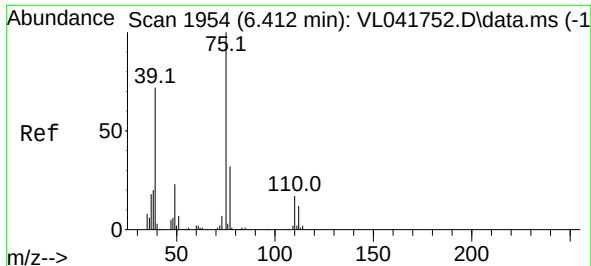
Reviewed By :Mahesh Dadoda 12/18/2024
Supervised By :Semsettin Yesilyurt 12/18/2024



#44
2,2,4-Trimethylpentane
Concen: 0.341 ppbv m
RT: 4.648 min Scan# 1409
Delta R.T. 0.009 min
Lab File: VL041775.D
Acq: 17 Dec 2024 13:10

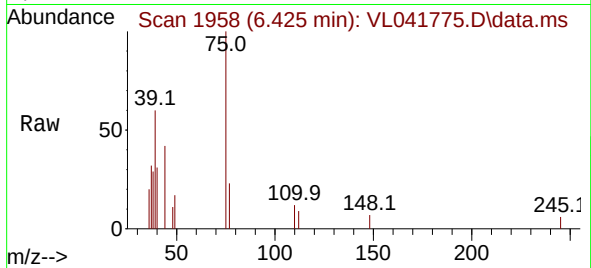
Tgt Ion: 57 Resp: 9146
Ion Ratio Lower Upper
57 100
41 48.9 30.7 46.1#
56 0.0 25.4 38.0#





#45
t-1,3-Dichloropropene
Concen: 0.250 ppbv m
RT: 6.425 min Scan# 1954
Delta R.T. 0.013 min
Lab File: VL041775.D
Acq: 17 Dec 2024 13:10

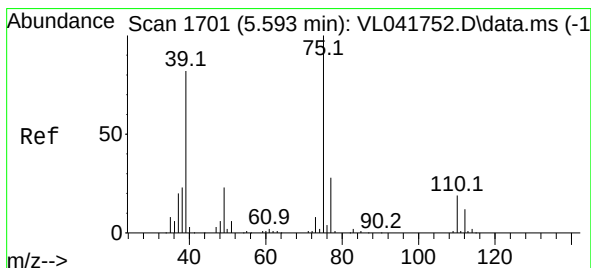
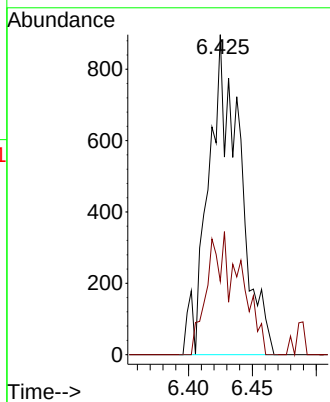
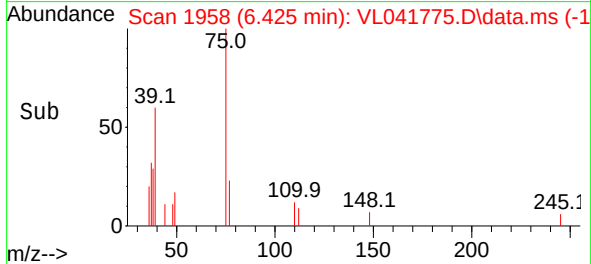
Instrument :
MSVOA_L
ClientSampleId :
MDL 0.4



Tgt Ion: 75 Resp: 155
Ion Ratio Lower Upper
75 100
77 23.0 25.9 38.9

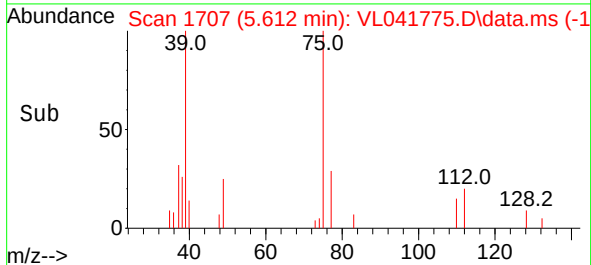
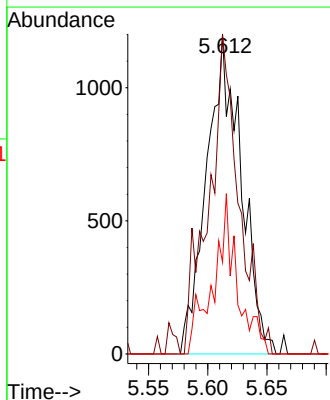
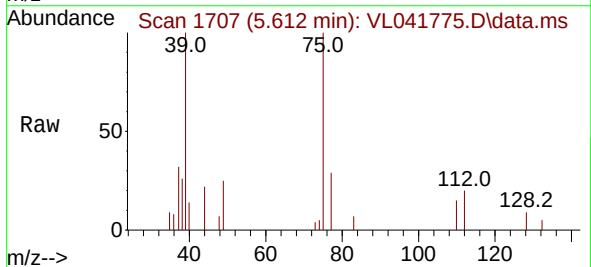
Manual Integrations
APPROVED

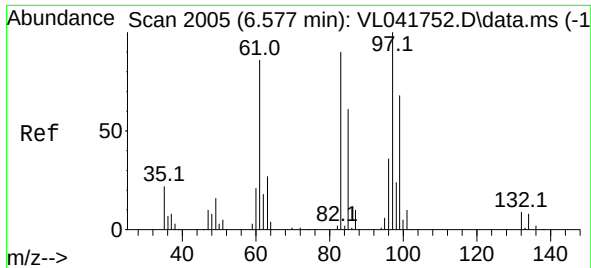
Reviewed By :Mahesh Dadoda 12/18/2024
Supervised By :Semsettin Yesilyurt 12/18/2024



#46
cis-1,3-Dichloropropene
Concen: 0.309 ppbv m
RT: 5.612 min Scan# 1707
Delta R.T. 0.019 min
Lab File: VL041775.D
Acq: 17 Dec 2024 13:10

Tgt Ion: 75 Resp: 2430
Ion Ratio Lower Upper
75 100
39 99.8 65.2 97.8#
77 28.7 22.0 33.0





#47

1,1,2-Trichloroethane

Concen: 0.459 ppbv

RT: 6.593 min Scan# 2005

Delta R.T. 0.016 min

Lab File: VL041775.D

Acq: 17 Dec 2024 13:10

Instrument :

MSVOA_L

ClientSampleId :

MDL 0.4

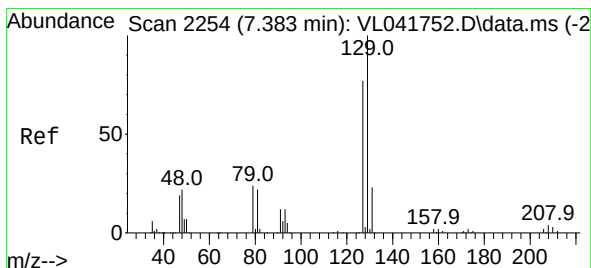
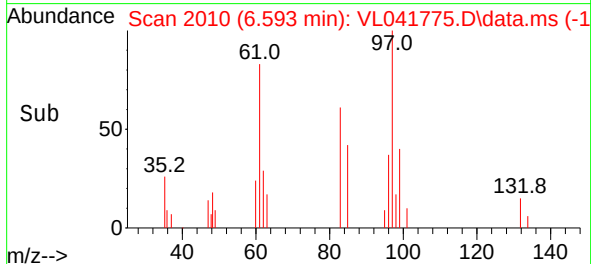
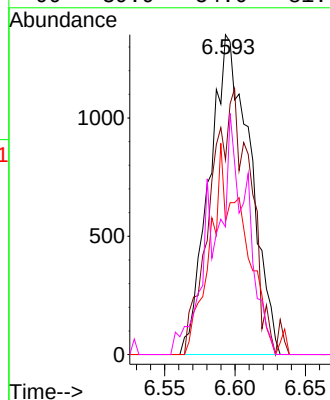
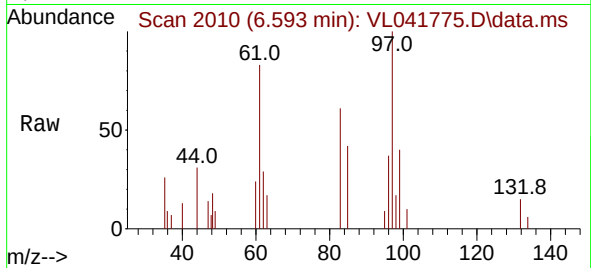
Tgt Ion: 97	Resp: 272
Ion Ratio	Lower Upper
97	100
83	60.9 72.3 108.5
85	41.6 48.5 72.7
99	39.9 54.0 81.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 12/18/2024

Supervised By :Semsettin Yesilyurt 12/18/2024



#48

Dibromochloromethane

Concen: 0.330 ppbv m

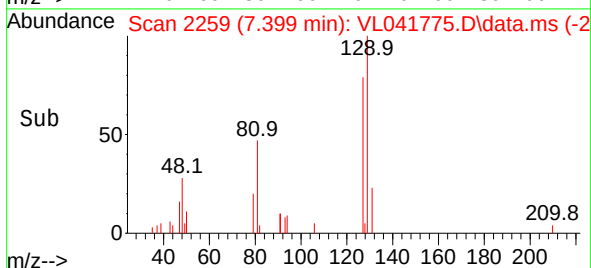
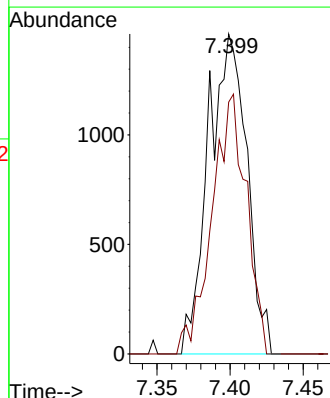
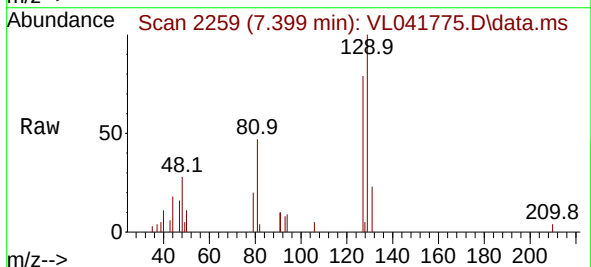
RT: 7.399 min Scan# 2259

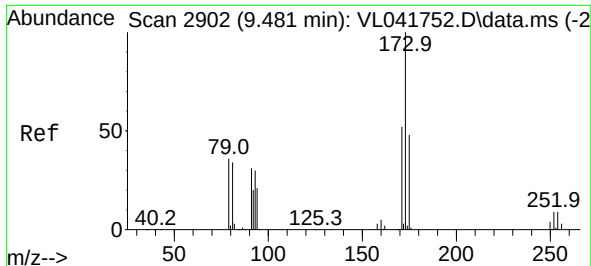
Delta R.T. 0.016 min

Lab File: VL041775.D

Acq: 17 Dec 2024 13:10

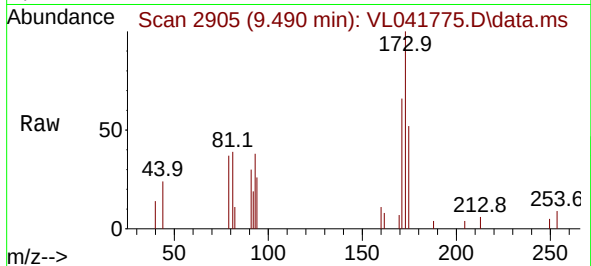
Tgt Ion:129	Resp: 2678
Ion Ratio	Lower Upper
129	100
127	72.5 38.8 116.3





#49
Bromoform
Concen: 0.267 ppbv m
RT: 9.490 min Scan# 2902
Delta R.T. 0.009 min
Lab File: VL041775.D
Acq: 17 Dec 2024 13:10

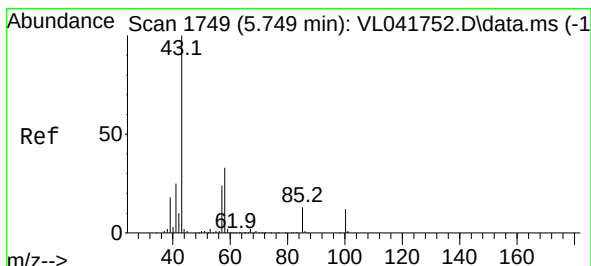
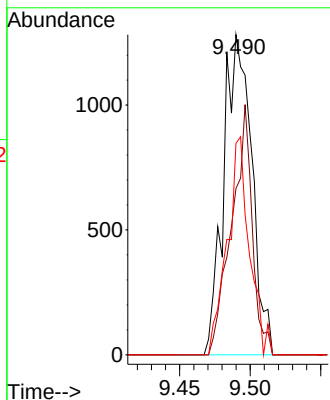
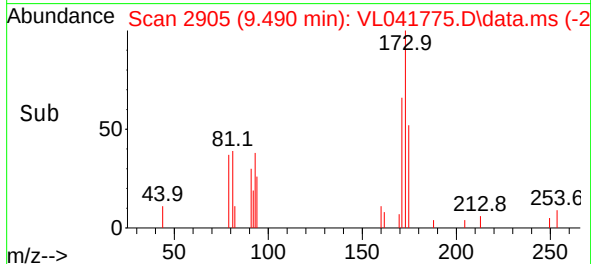
Instrument :
MSVOA_L
ClientSampleId :
MDL 0.4



Tgt Ion:173 Resp: 1773
Ion Ratio Lower Upper
173 100
175 0.0 38.2 57.2
171 0.0 41.1 61.7

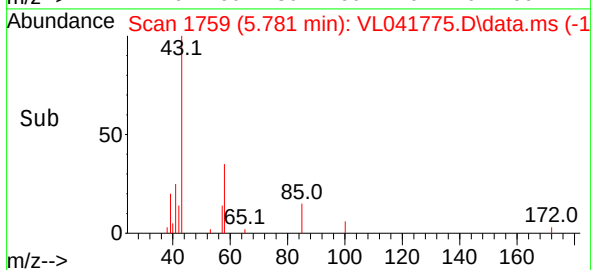
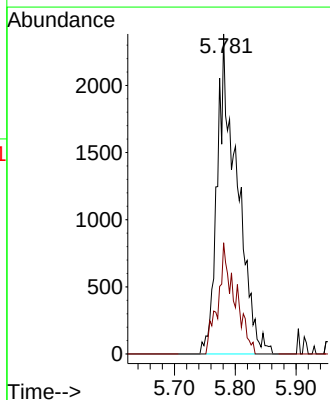
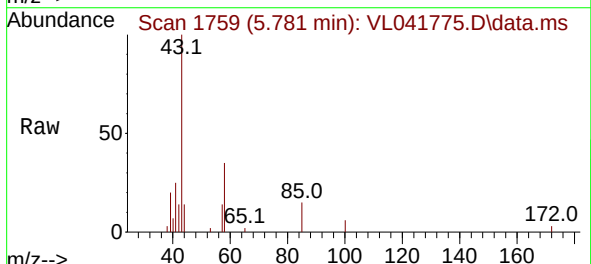
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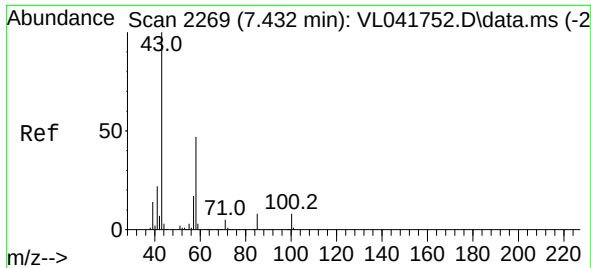
Reviewed By :Mahesh Dadoda 12/18/2024
Supervised By :Semsettin Yesilyurt 12/18/2024



#50
4-Methyl-2-Pentanone
Concen: 0.322 ppbv m
RT: 5.781 min Scan# 1759
Delta R.T. 0.032 min
Lab File: VL041775.D
Acq: 17 Dec 2024 13:10

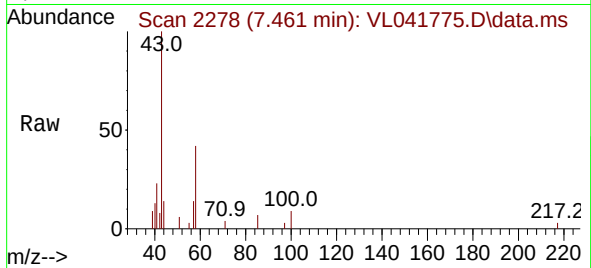
Tgt Ion: 43 Resp: 5354
Ion Ratio Lower Upper
43 100
58 30.4 26.8 40.2





#51
2-Hexanone
Concen: 0.268 ppbv
RT: 7.461 min Scan# 2269
Delta R.T. 0.029 min
Lab File: VL041775.D
Acq: 17 Dec 2024 13:10

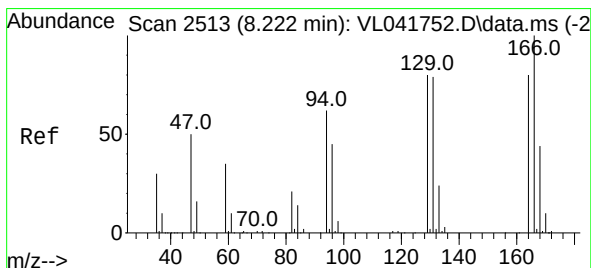
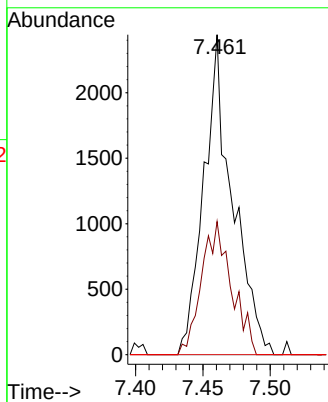
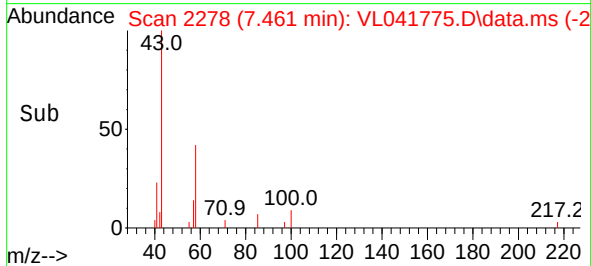
Instrument :
MSVOA_L
ClientSampleId :
MDL 0.4



Tgt Ion: 43 Resp: 3612
Ion Ratio Lower Upper
43 100
58 43.5 36.6 55.0
98 0.0 0.1 0.1

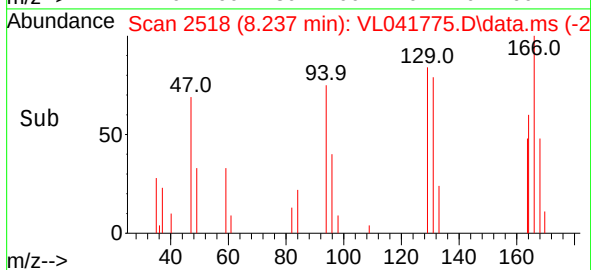
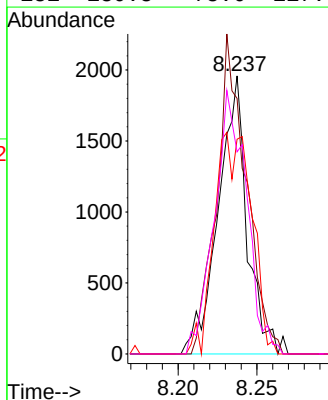
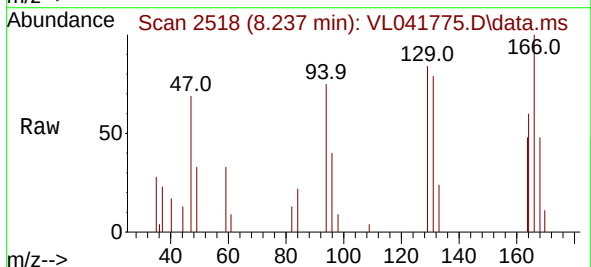
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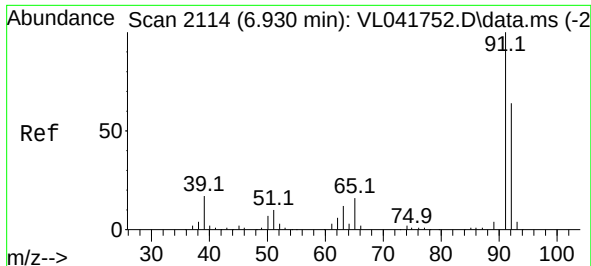
Reviewed By :Mahesh Dadoda 12/18/2024
Supervised By :Semsettin Yesilyurt 12/18/2024



#52
Tetrachloroethene
Concen: 0.422 ppbv m
RT: 8.237 min Scan# 2518
Delta R.T. 0.016 min
Lab File: VL041775.D
Acq: 17 Dec 2024 13:10

Tgt Ion:164 Resp: 2468
Ion Ratio Lower Upper
164 100
166 165.4 99.8 149.6#
129 139.0 79.6 119.4#
131 130.8 78.6 117.8#





#53

Toluene

Concen: 0.325 ppbv m

RT: 6.943 min Scan# 2114

Delta R.T. 0.013 min

Lab File: VL041775.D

Acq: 17 Dec 2024 13:10

Instrument :

MSVOA_L

ClientSampleId :

MDL 0.4

Tgt Ion: 91 Resp: 579

Ion Ratio Lower Upper

91 100

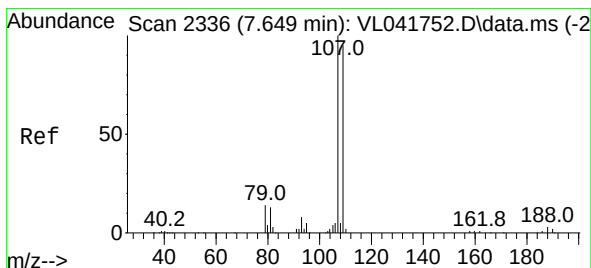
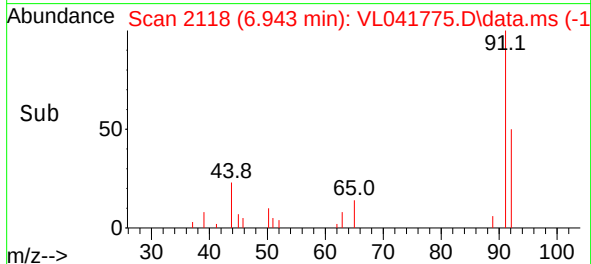
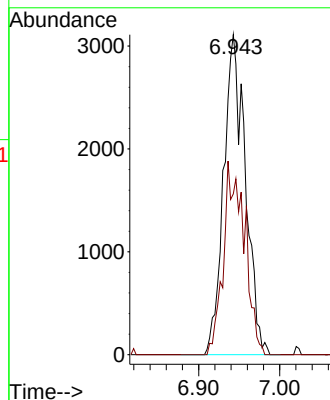
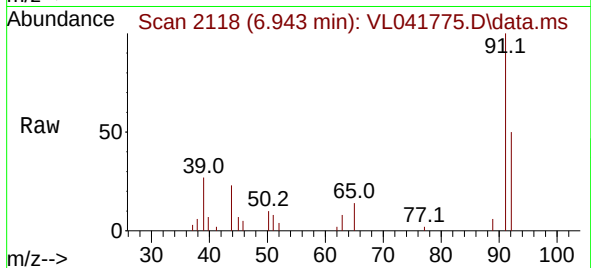
92 0.0 47.9 71.9

Manual Integrations

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Reviewed By :Mahesh Dadoda 12/18/2024

Supervised By :Semsettin Yesilyurt 12/18/2024



#54

1,2-Dibromoethane

Concen: 0.420 ppbv m

RT: 7.668 min Scan# 2342

Delta R.T. 0.019 min

Lab File: VL041775.D

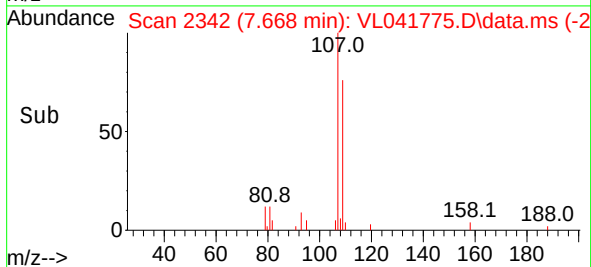
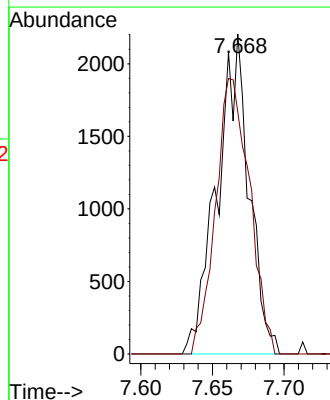
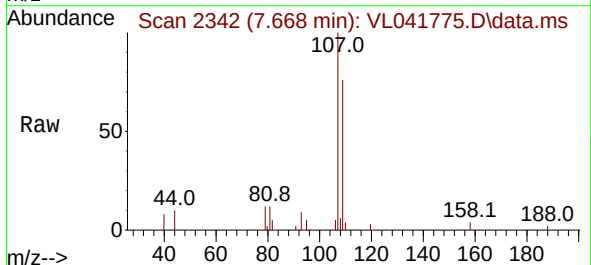
Acq: 17 Dec 2024 13:10

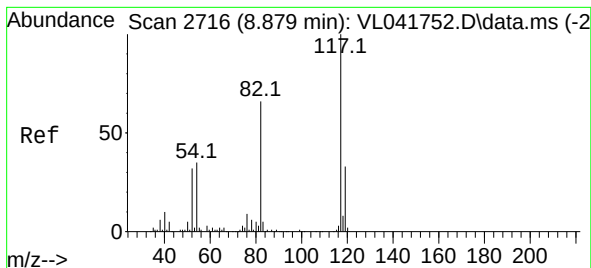
Tgt Ion:107 Resp: 3439

Ion Ratio Lower Upper

107 100

109 75.6 75.9 113.9





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 8.891 min Scan# 2716

Delta R.T. 0.012 min

Lab File: VL041775.D

Acq: 17 Dec 2024 13:10

Instrument :

MSVOA_L

ClientSampleId :

MDL 0.4

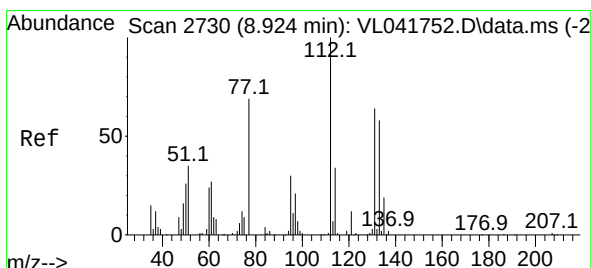
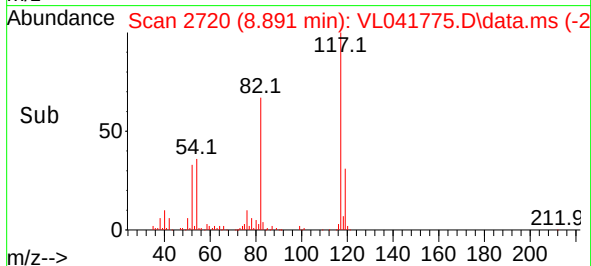
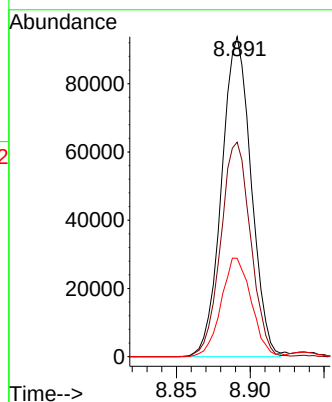
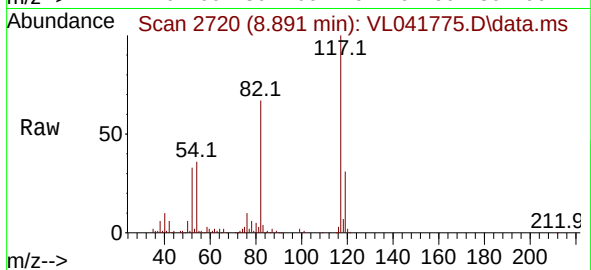
Tgt Ion:117 Resp: 130372

Ion	Ratio	Lower	Upper
117	100		
82	68.3	53.8	80.8
119	32.9	26.7	40.1

Manual Integrations

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Reviewed By :Mahesh Dadoda 12/18/2024
Supervised By :Semsettin Yesilyurt 12/18/2024



#56

1,1,1,2-Tetrachloroethane

Concen: 0.421 ppbv

RT: 8.933 min Scan# 2733

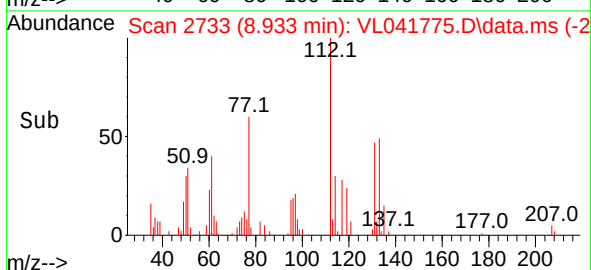
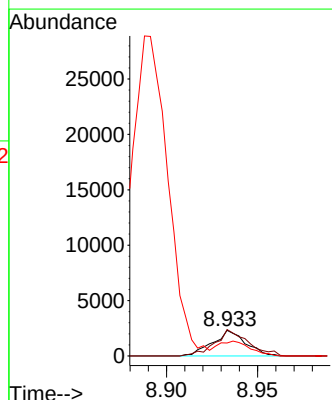
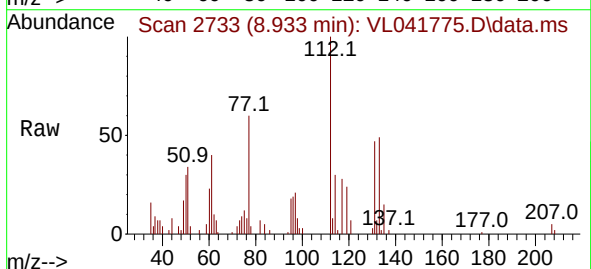
Delta R.T. 0.009 min

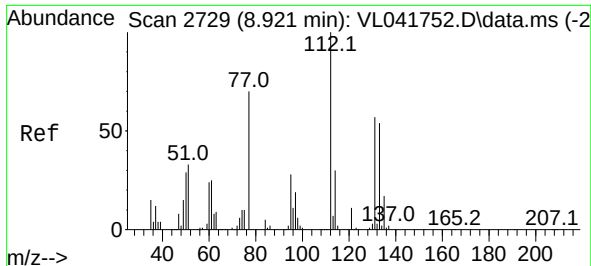
Lab File: VL041775.D

Acq: 17 Dec 2024 13:10

Tgt Ion:131 Resp: 2907

Ion	Ratio	Lower	Upper
131	100		
133	103.1	76.8	115.2
119	1475.4	49.0	73.6#





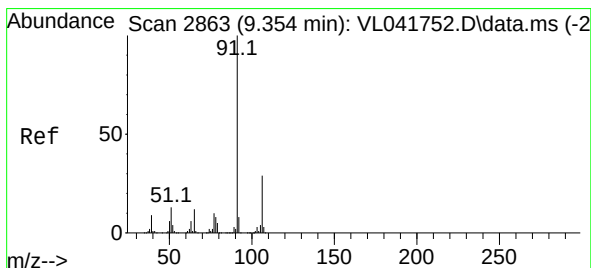
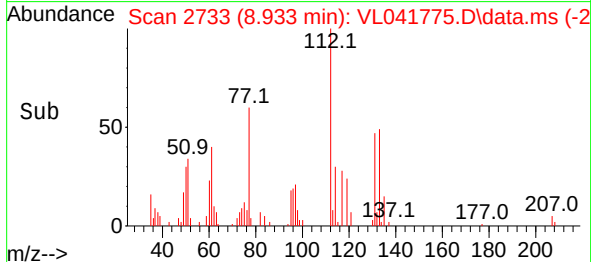
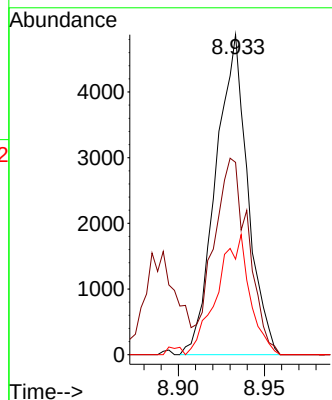
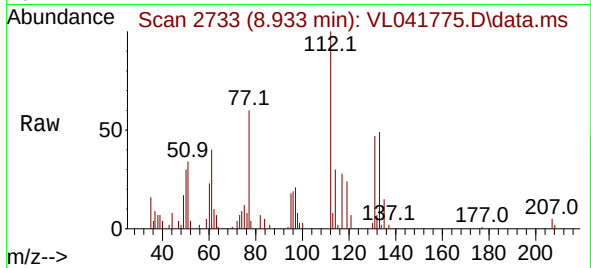
#57
Chlorobenzene
Concen: 0.472 ppbv
RT: 8.933 min Scan# 21
Delta R.T. 0.013 min
Lab File: VL041775.D
Acq: 17 Dec 2024 13:10

Instrument :
MSVOA_L
ClientSampleId :
MDL 0.4

Tgt Ion: 112 Resp: 6292
Ion Ratio Lower Upper
112 100
77 60.1 57.4 86.0
114 29.9 27.4 33.4

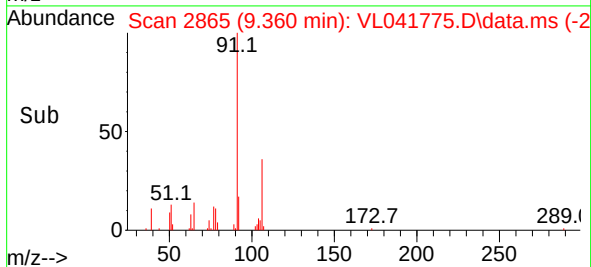
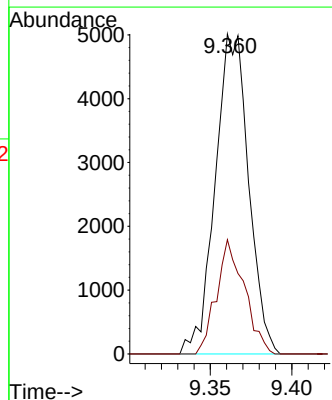
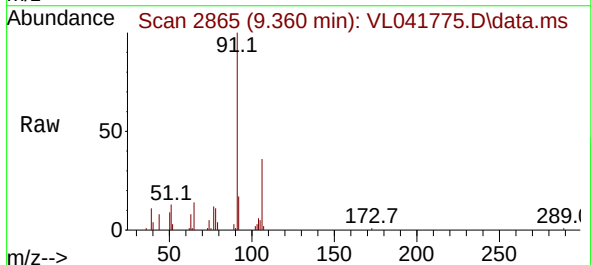
Manual Integrations
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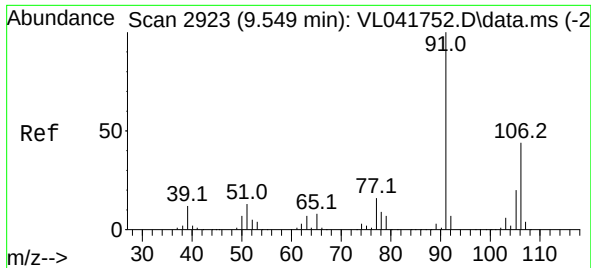
Reviewed By :Mahesh Dadoda 12/18/2024
Supervised By :Semsettin Yesilyurt 12/18/2024



#58
Ethyl Benzene
Concen: 0.304 ppbv
RT: 9.360 min Scan# 2865
Delta R.T. 0.006 min
Lab File: VL041775.D
Acq: 17 Dec 2024 13:10

Tgt Ion: 91 Resp: 7132
Ion Ratio Lower Upper
91 100
106 35.7 23.5 35.3#





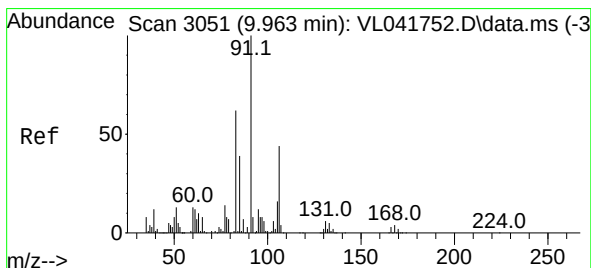
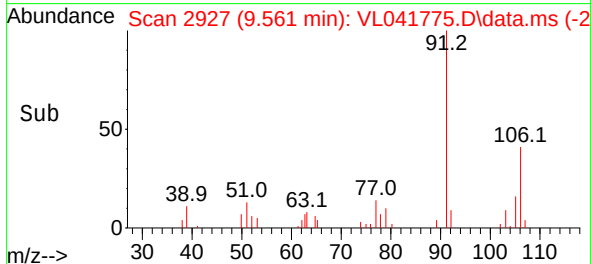
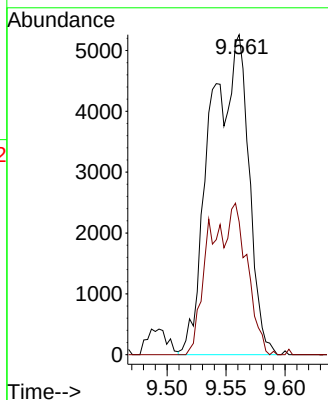
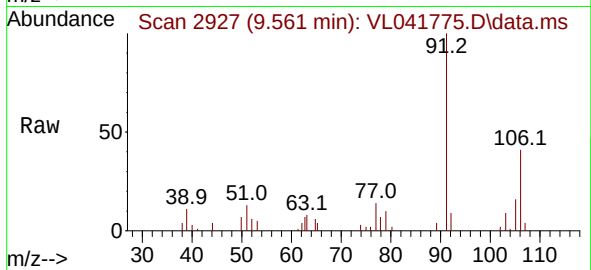
#59
m/p-Xylene
Concen: 0.633 ppbv m
RT: 9.561 min Scan# 2927
Delta R.T. 0.013 min
Lab File: VL041775.D
Acq: 17 Dec 2024 13:10

Instrument :
MSVOA_L
ClientSampleId :
MDL 0.4

Tgt Ion: 91 Resp: 11940
Ion Ratio Lower Upper
91 100
106 45.9 0.0 0.0

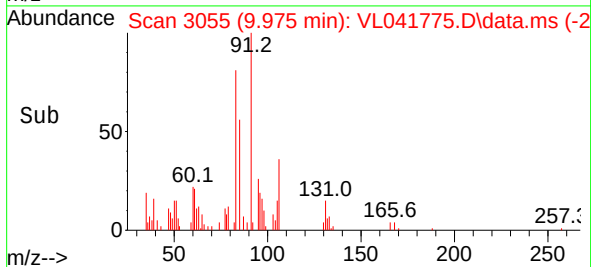
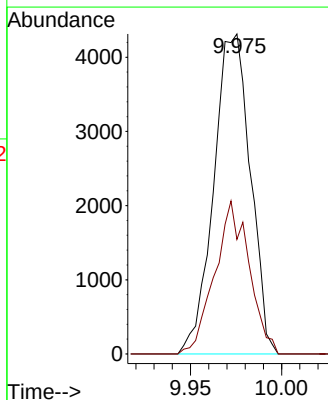
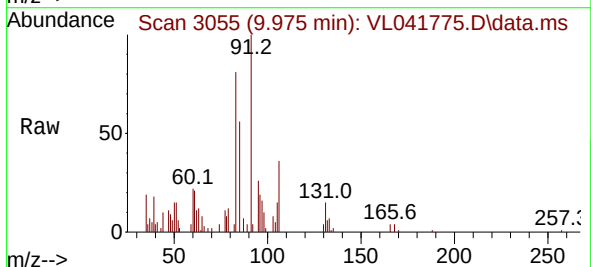
Manual Integrations
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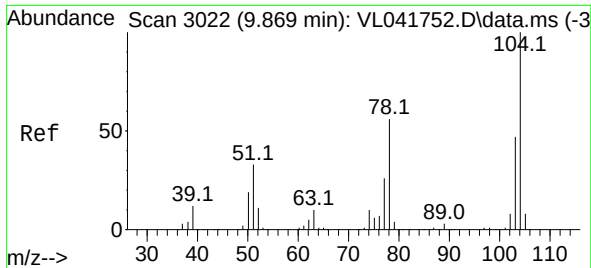
Reviewed By :Mahesh Dadoda 12/18/2024
Supervised By :Semsettin Yesilyurt 12/18/2024



#60
o-Xylene
Concen: 0.319 ppbv
RT: 9.975 min Scan# 3055
Delta R.T. 0.013 min
Lab File: VL041775.D
Acq: 17 Dec 2024 13:10

Tgt Ion: 91 Resp: 6035
Ion Ratio Lower Upper
91 100
106 44.9 21.1 63.4





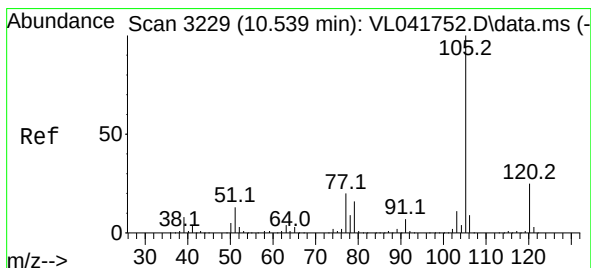
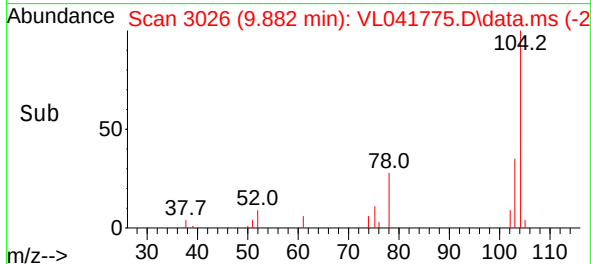
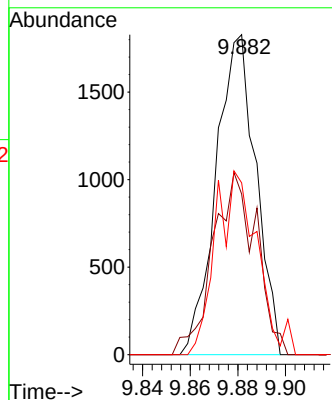
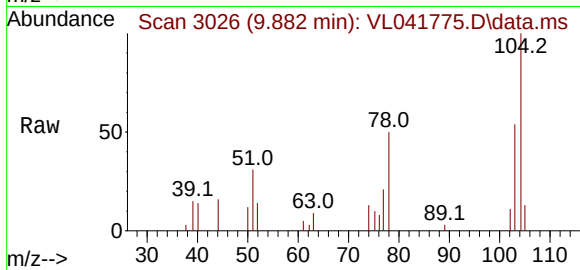
#61
Styrene
Concen: 0.260 ppbv
RT: 9.882 min Scan# 3026
Delta R.T. 0.013 min
Lab File: VL041775.D
Acq: 17 Dec 2024 13:10

Instrument :
MSVOA_L
ClientSampleId :
MDL 0.4

Tgt Ion:104 Resp: 2124
Ion Ratio Lower Upper
104 100
78 62.0 43.8 65.6
103 59.9 37.8 56.6

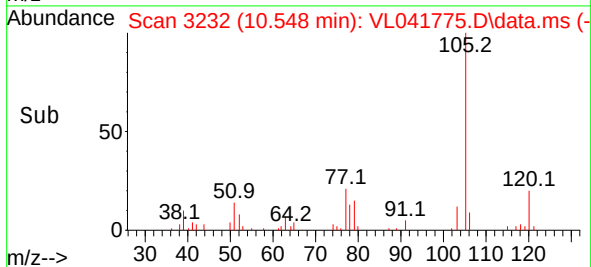
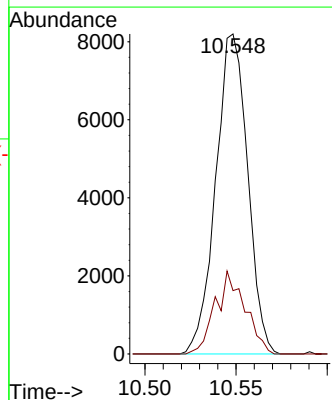
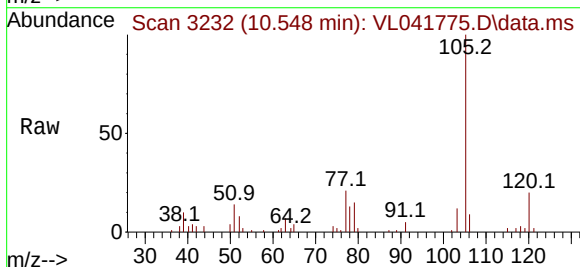
Manual Integrations
APPROVED

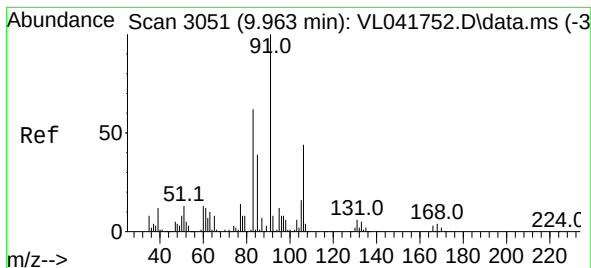
Reviewed By :Mahesh Dadoda 12/18/2024
Supervised By :Semsettin Yesilyurt 12/18/2024



#62
Isopropylbenzene
Concen: 0.350 ppbv
RT: 10.548 min Scan# 3232
Delta R.T. 0.009 min
Lab File: VL041775.D
Acq: 17 Dec 2024 13:10

Tgt Ion:105 Resp: 9966
Ion Ratio Lower Upper
105 100
120 24.3 19.8 29.8





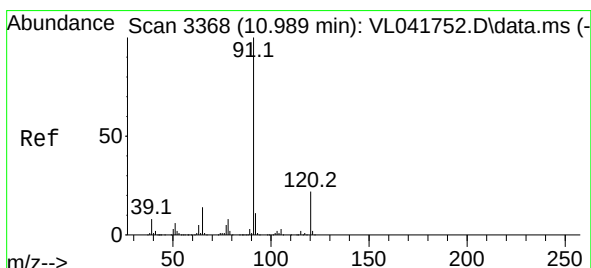
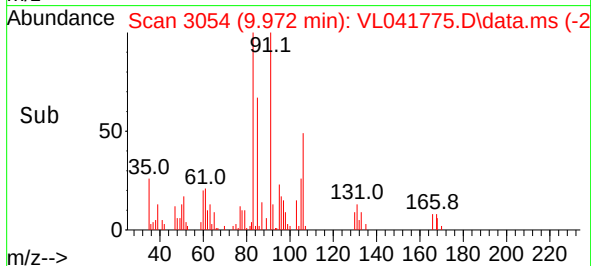
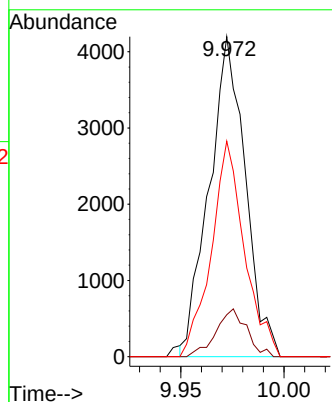
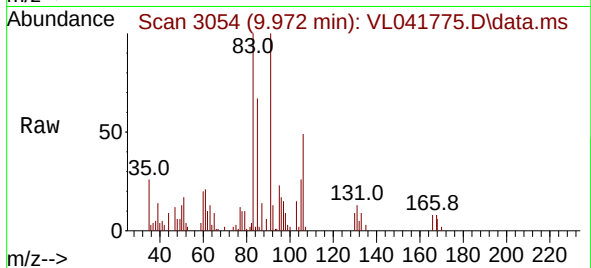
#63
1,1,2,2-Tetrachloroethane
Concen: 0.431 ppbv
RT: 9.972 min Scan# 3051
Delta R.T. 0.009 min
Lab File: VL041775.D
Acq: 17 Dec 2024 13:10

Instrument :
MSVOA_L
ClientSampleId :
MDL 0.4

Tgt Ion: 83 Resp: 5108
Ion Ratio Lower Upper
83 100
131 12.7 4.9 14.7
85 61.7 32.0 96.2

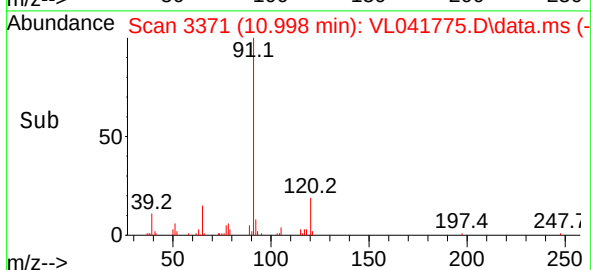
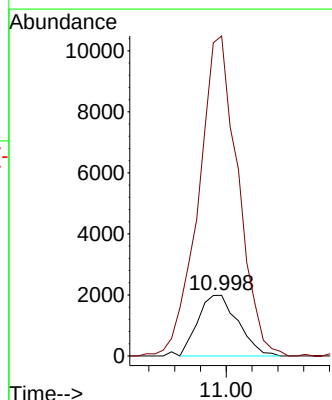
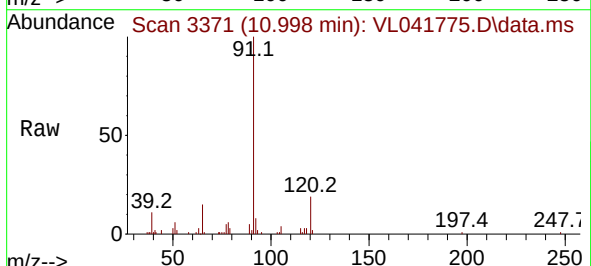
Manual Integrations
APPROVED

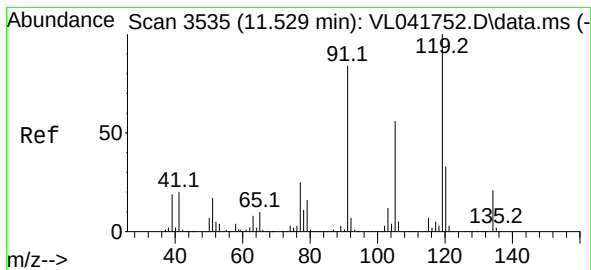
Reviewed By :Mahesh Dadoda 12/18/2024
Supervised By :Semsettin Yesilyurt 12/18/2024



#64
n-propylbenzene
Concen: 0.298 ppbv
RT: 10.998 min Scan# 3371
Delta R.T. 0.009 min
Lab File: VL041775.D
Acq: 17 Dec 2024 13:10

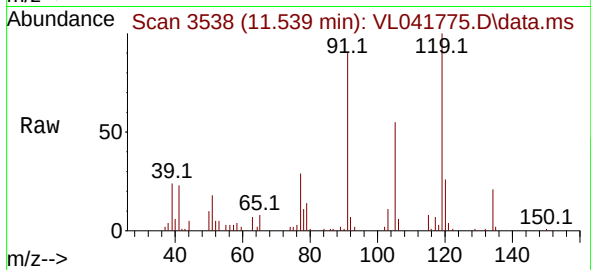
Tgt Ion:120 Resp: 2145
Ion Ratio Lower Upper
120 100
91 520.3 387.3 580.9





#65
tert-Butylbenzene
Concen: 0.317 ppbv
RT: 11.539 min Scan# 3538
Delta R.T. 0.009 min
Lab File: VL041775.D
Acq: 17 Dec 2024 13:10

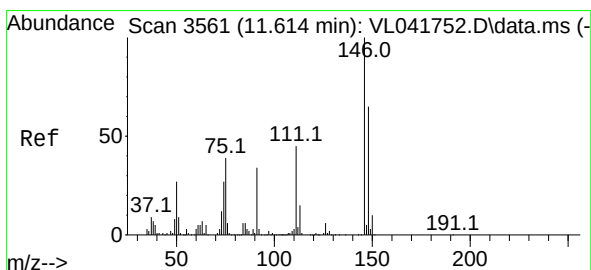
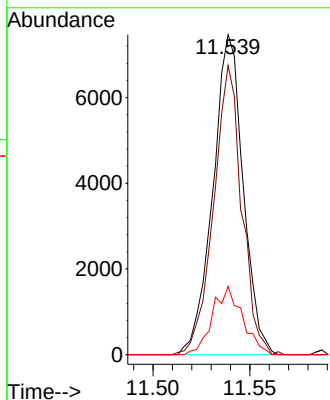
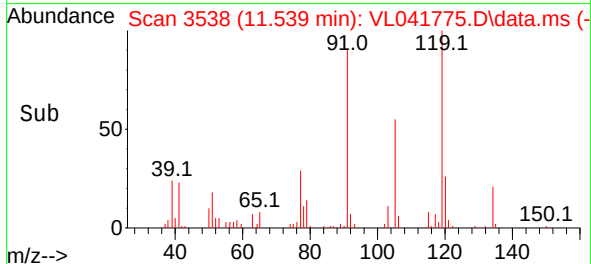
Instrument :
MSVOA_L
ClientSampleId :
MDL 0.4



Tgt Ion: 119 Resp: 812
Ion Ratio Lower Upper
119 100
91 84.0 67.0 100.4
134 21.1 16.5 24.7

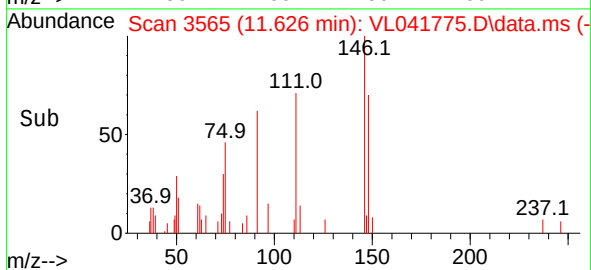
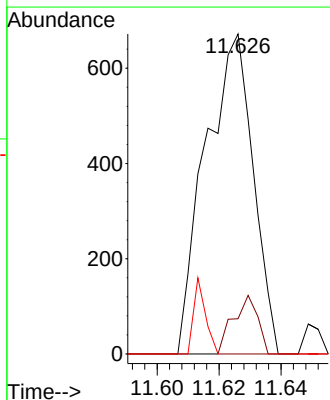
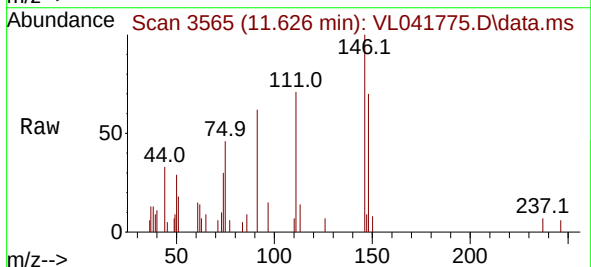
Manual Integrations
APPROVED

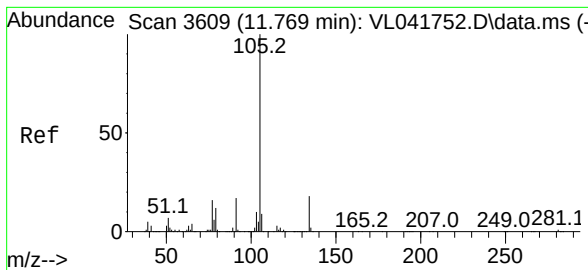
Reviewed By :Mahesh Dadoda 12/18/2024
Supervised By :Semsettin Yesilyurt 12/18/2024



#66
Benzyl Chloride
Concen: 0.318 ppbv
RT: 11.626 min Scan# 3565
Delta R.T. 0.013 min
Lab File: VL041775.D
Acq: 17 Dec 2024 13:10

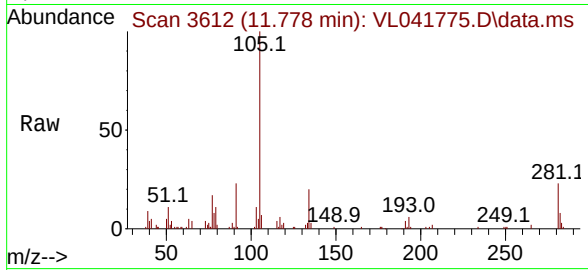
Tgt Ion: 91 Resp: 718
Ion Ratio Lower Upper
91 100
126 9.5 13.9 20.9#
128 5.8 4.4 6.6





#67
 sec-Butylbenzene
 Concen: 0.312 ppbv
 RT: 11.778 min Scan# 3612
 Delta R.T. 0.009 min
 Lab File: VL041775.D
 Acq: 17 Dec 2024 13:10

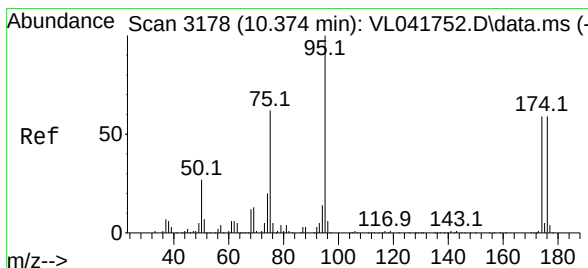
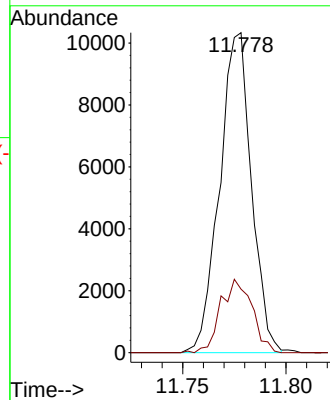
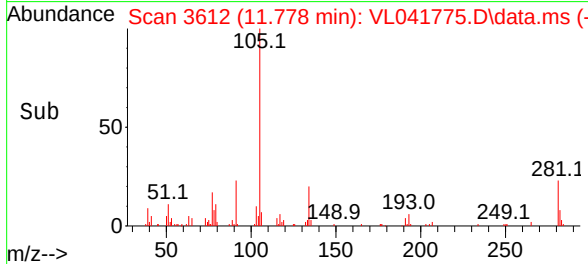
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL 0.4



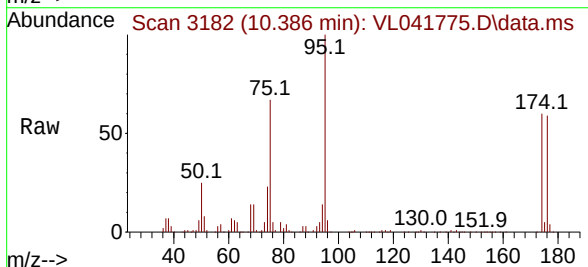
Tgt Ion:105 Resp: 11072
 Ion Ratio Lower Upper
 105 100
 134 22.7 14.5 21.7

Manual Integrations
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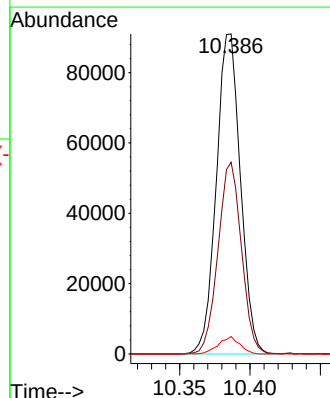
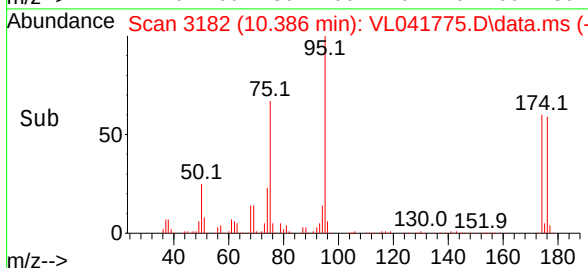
Reviewed By :Mahesh Dadoda 12/18/2024
 Supervised By :Semsettin Yesilyurt 12/18/2024

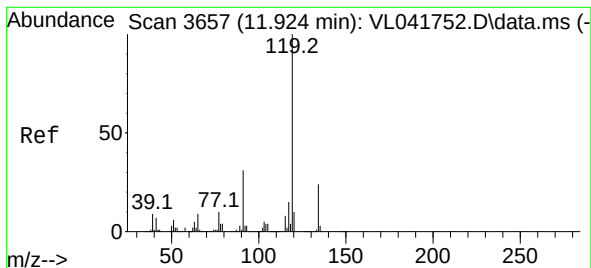


#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.003 ppbv
 RT: 10.386 min Scan# 3182
 Delta R.T. 0.013 min
 Lab File: VL041775.D
 Acq: 17 Dec 2024 13:10



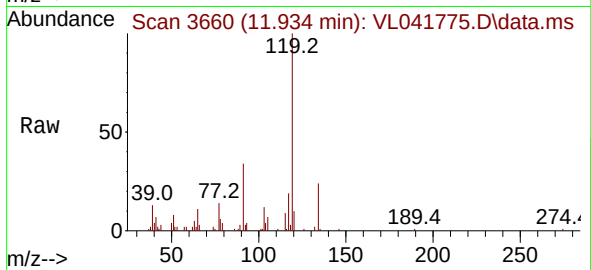
Tgt Ion: 95 Resp: 108670
 Ion Ratio Lower Upper
 95 100
 174 58.1 47.6 71.4
 175 4.8 3.7 5.5





#69
p-Isopropyltoluene
Concen: 0.277 ppbv
RT: 11.934 min Scan# 3657
Delta R.T. 0.009 min
Lab File: VL041775.D
Acq: 17 Dec 2024 13:10

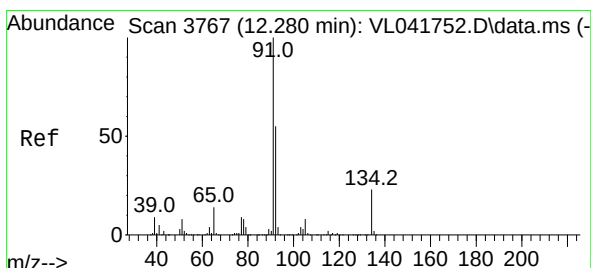
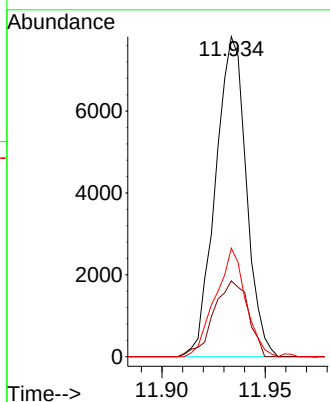
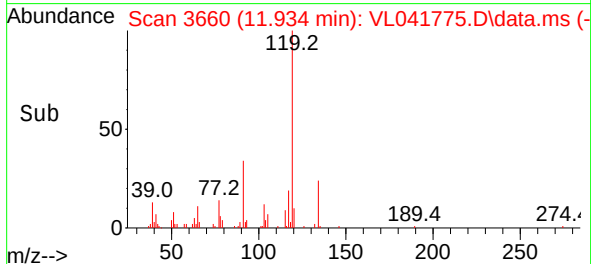
Instrument :
MSVOA_L
ClientSampleId :
MDL 0.4



Tgt Ion: 119 Resp: 8109
Ion Ratio Lower Upper
119 100
134 26.5 19.6 29.4
91 33.5 24.4 36.6

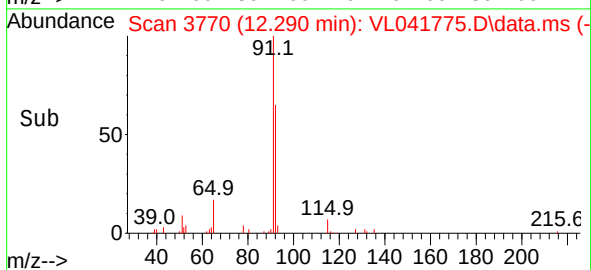
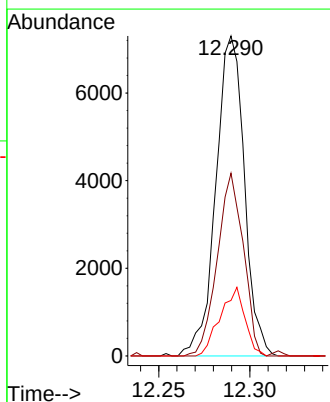
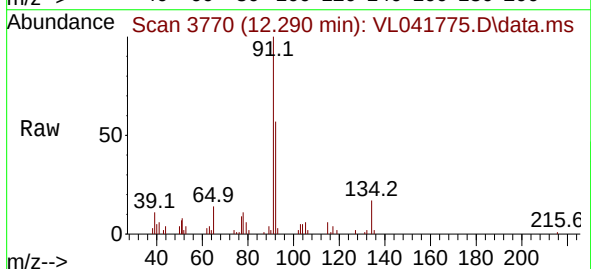
Manual Integrations
APPROVED

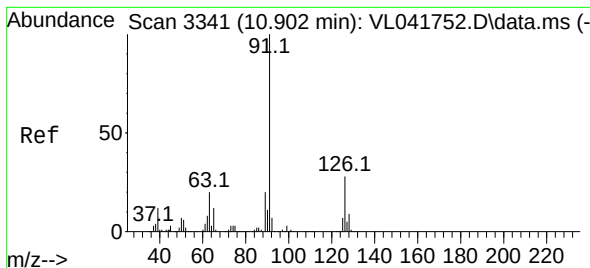
Reviewed By :Mahesh Dadoda 12/18/2024
Supervised By :Semsettin Yesilyurt 12/18/2024



#70
n-Butylbenzene
Concen: 0.280 ppbv
RT: 12.290 min Scan# 3770
Delta R.T. 0.009 min
Lab File: VL041775.D
Acq: 17 Dec 2024 13:10

Tgt Ion: 91 Resp: 7927
Ion Ratio Lower Upper
91 100
92 52.8 43.2 64.8
134 18.8 18.2 27.4





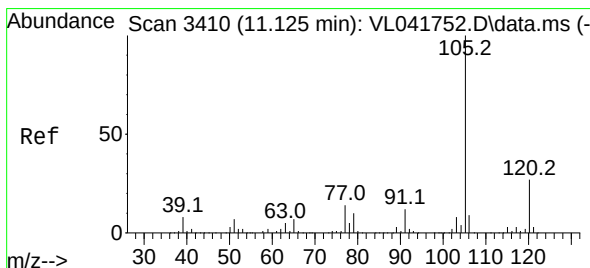
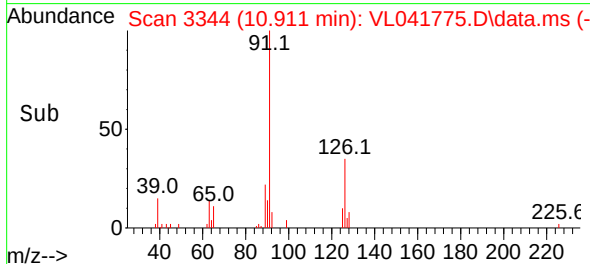
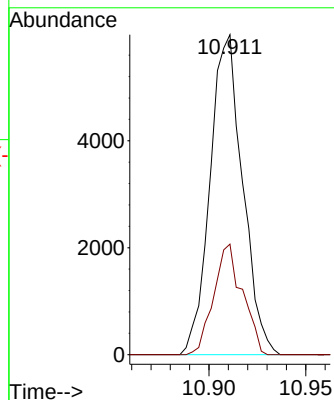
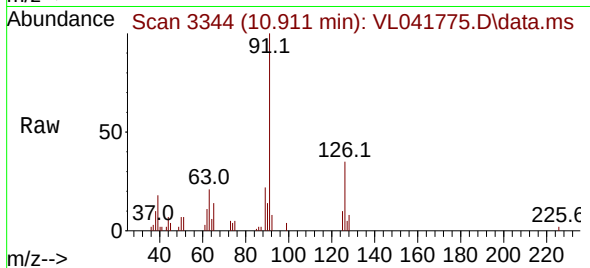
#71
2-Chlorotoluene
Concen: 0.322 ppbv
RT: 10.911 min Scan# 3411
Delta R.T. 0.009 min
Lab File: VL041775.D
Acq: 17 Dec 2024 13:10

Instrument :
MSVOA_L
ClientSampleId :
MDL 0.4

Tgt Ion: 91 Resp: 6998
Ion Ratio Lower Upper
91 100
126 30.6 11.6 46.4

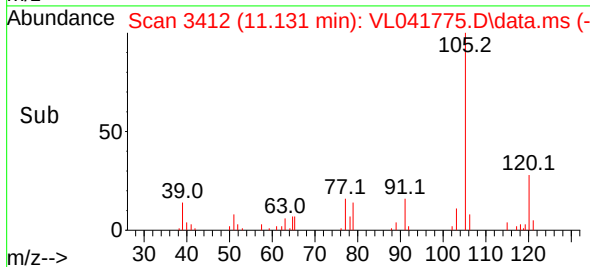
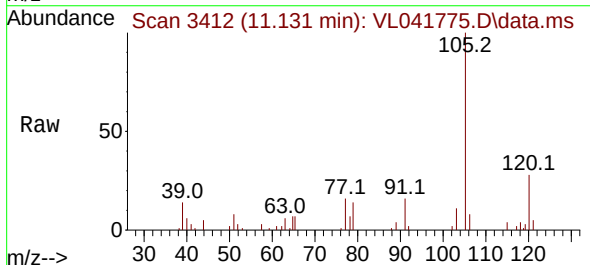
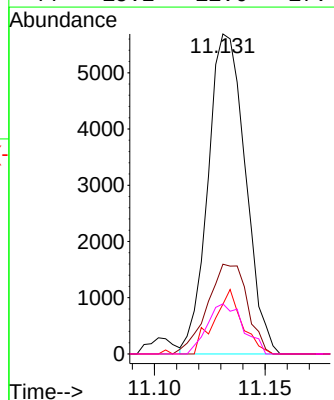
Manual Integrations
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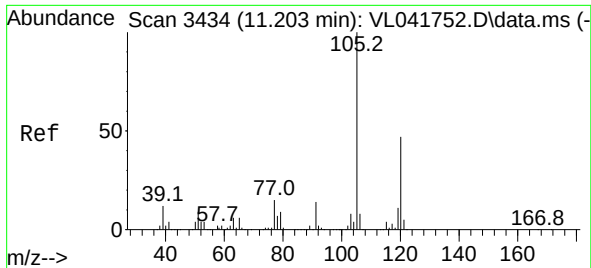
Reviewed By :Mahesh Dadoda 12/18/2024
Supervised By :Semsettin Yesilyurt 12/18/2024



#72
4-Ethyltoluene
Concen: 0.298 ppbv
RT: 11.131 min Scan# 3412
Delta R.T. 0.006 min
Lab File: VL041775.D
Acq: 17 Dec 2024 13:10

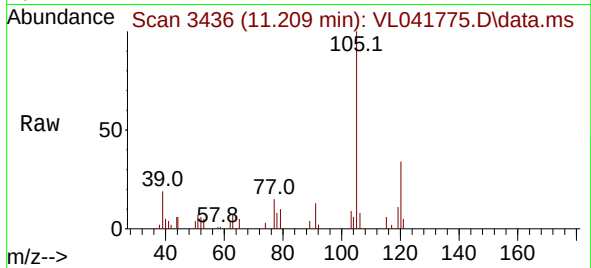
Tgt Ion:105 Resp: 6663
Ion Ratio Lower Upper
105 100
120 30.0 23.3 34.9
91 15.5 10.9 16.3
77 15.2 11.6 17.4





#73
1,3,5-Trimethylbenzene
Concen: 0.300 ppbv
RT: 11.209 min Scan# 3434
Delta R.T. 0.006 min
Lab File: VL041775.D
Acq: 17 Dec 2024 13:10

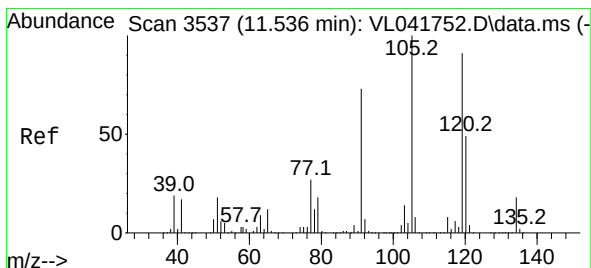
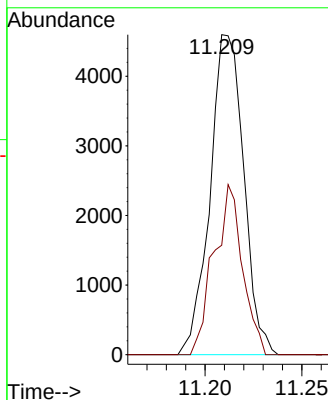
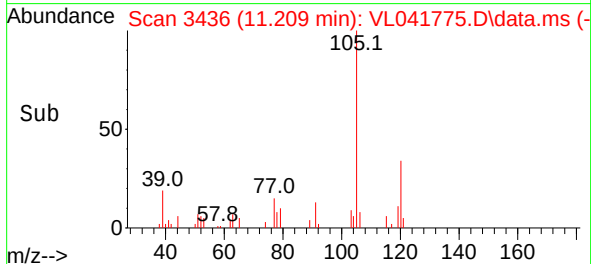
Instrument :
MSVOA_L
ClientSampleId :
MDL 0.4



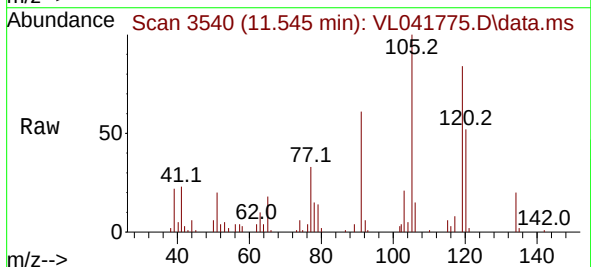
Tgt Ion:105 Resp: 5560
Ion Ratio Lower Upper
105 100
120 34.2 37.4 56.2

Manual Integrations
APPROVED

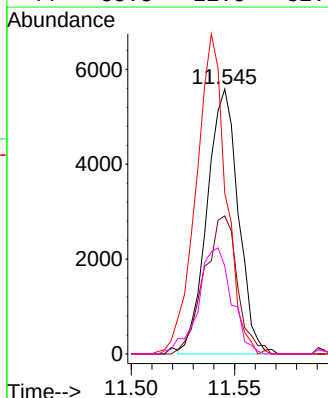
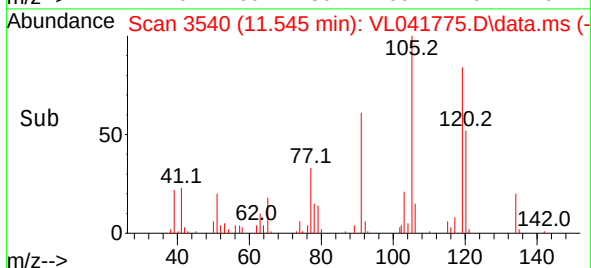
Reviewed By :Mahesh Dadoda 12/18/2024
Supervised By :Semsettin Yesilyurt 12/18/2024

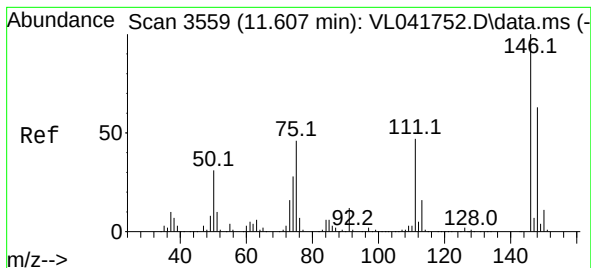


#74
1,2,4-Trimethylbenzene
Concen: 0.295 ppbv
RT: 11.545 min Scan# 3540
Delta R.T. 0.009 min
Lab File: VL041775.D
Acq: 17 Dec 2024 13:10



Tgt Ion:105 Resp: 5877
Ion Ratio Lower Upper
105 100
120 52.1 39.0 58.4
91 60.7 58.1 87.1
77 33.3 21.8 32.8





#75

1,3-Dichlorobenzene

Concen: 0.435 ppbv

RT: 11.616 min Scan# 3562

Delta R.T. 0.009 min

Lab File: VL041775.D

Acq: 17 Dec 2024 13:10

Instrument :

MSVOA_L

ClientSampleId :

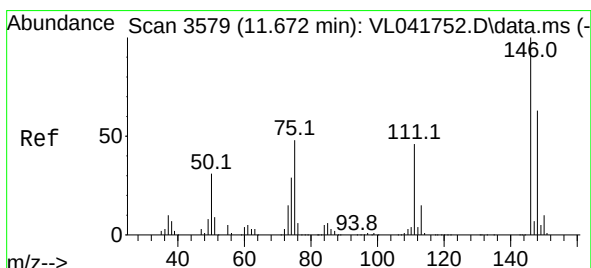
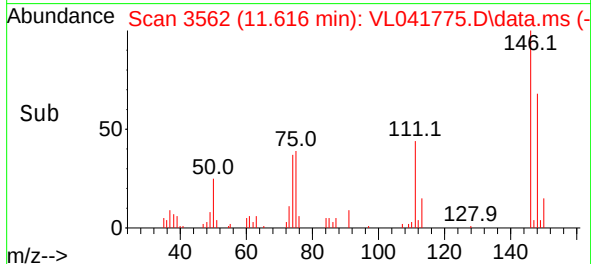
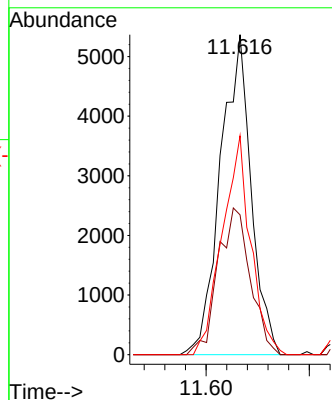
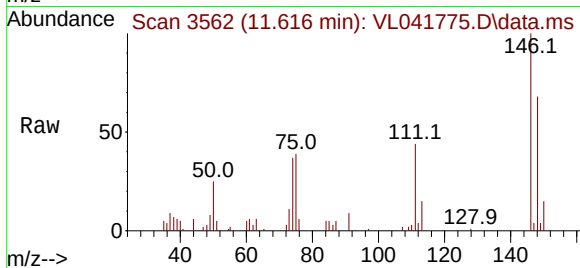
MDL 0.4

Tgt Ion:146	Resp:	5520
Ion Ratio	Lower	Upper
146	100	
111	48.5	23.4 70.3
148	63.6	31.6 95.0

Manual Integrations

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Reviewed By :Mahesh Dadoda 12/18/2024
Supervised By :Semsettin Yesilyurt 12/18/2024



#76

1,4-Dichlorobenzene

Concen: 0.395 ppbv

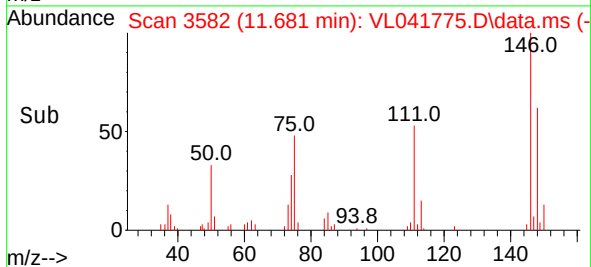
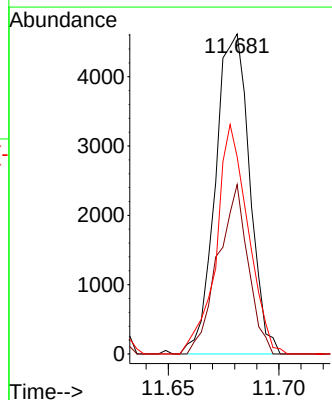
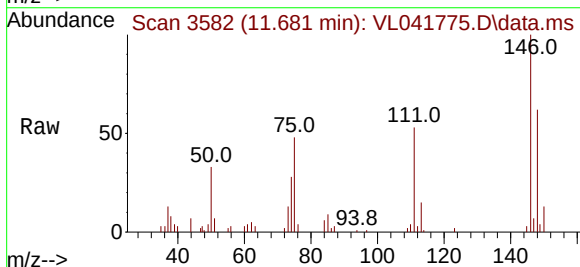
RT: 11.681 min Scan# 3582

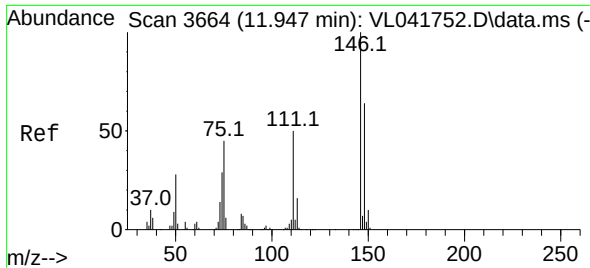
Delta R.T. 0.009 min

Lab File: VL041775.D

Acq: 17 Dec 2024 13:10

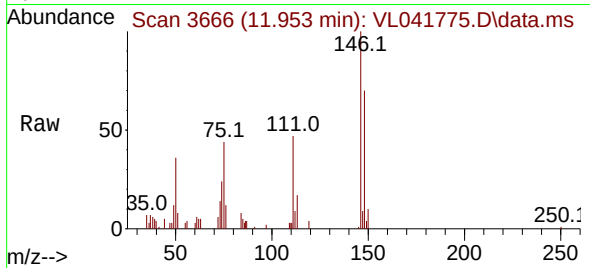
Tgt Ion:146	Resp:	4955
Ion Ratio	Lower	Upper
146	100	
111	46.7	22.7 68.1
148	67.0	31.4 94.0





#77
1,2-Dichlorobenzene
Concen: 0.435 ppbv
RT: 11.953 min Scan# 3666
Delta R.T. 0.006 min
Lab File: VL041775.D
Acq: 17 Dec 2024 13:10

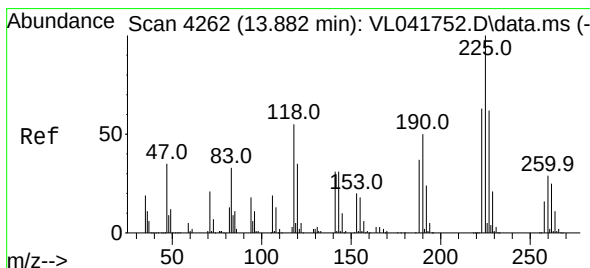
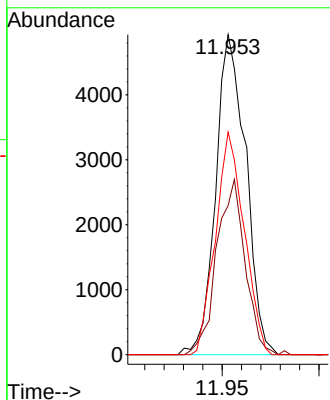
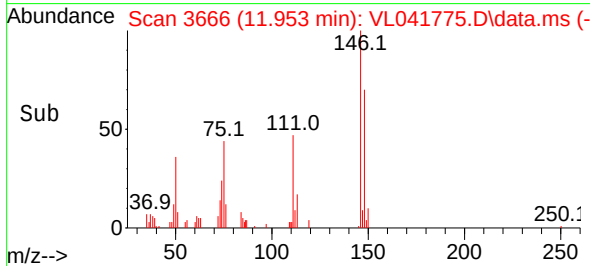
Instrument :
MSVOA_L
ClientSampleId :
MDL 0.4



Tgt Ion:146 Resp: 5310
Ion Ratio Lower Upper
146 100
111 52.0 24.8 74.3
148 66.6 31.8 95.4

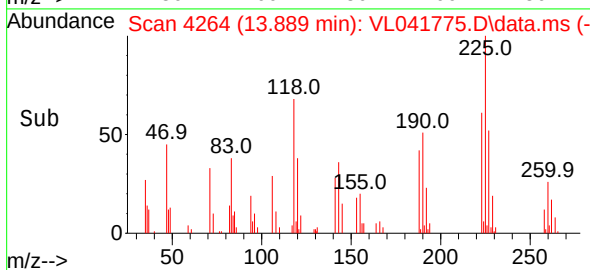
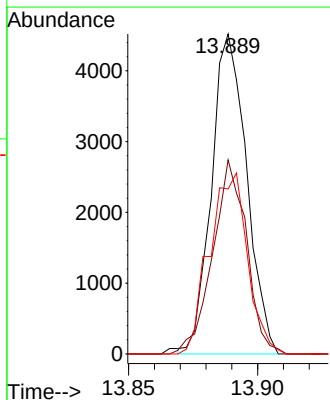
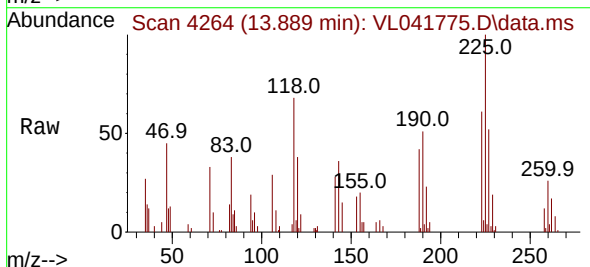
Manual Integrations
APPROVED

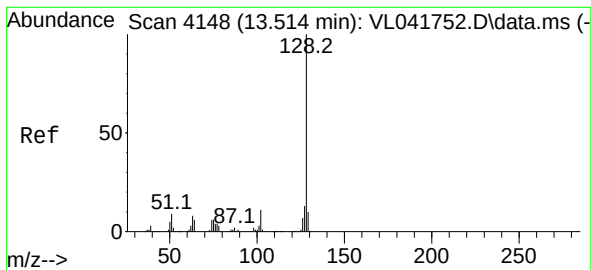
Reviewed By :Mahesh Dadoda 12/18/2024
Supervised By :Semsettin Yesilyurt 12/18/2024



#78
Hexachloro-1,3-Butadiene
Concen: 0.471 ppbv
RT: 13.889 min Scan# 4264
Delta R.T. 0.006 min
Lab File: VL041775.D
Acq: 17 Dec 2024 13:10

Tgt Ion:225 Resp: 4270
Ion Ratio Lower Upper
225 100
223 58.4 50.5 75.7
227 61.4 50.3 75.5





#79

Naphthalene

Concen: 0.215 ppbv

RT: 13.520 min Scan# 4148

Delta R.T. 0.006 min

Lab File: VL041775.D

Acq: 17 Dec 2024 13:10

Instrument :

MSVOA_L

ClientSampleId :

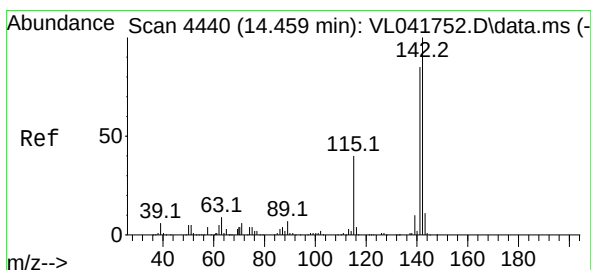
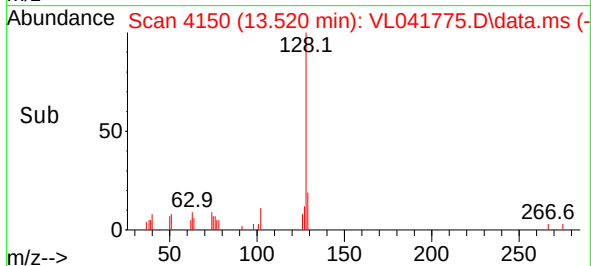
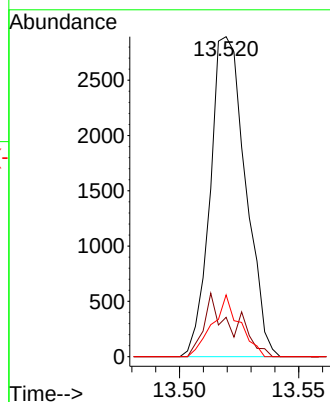
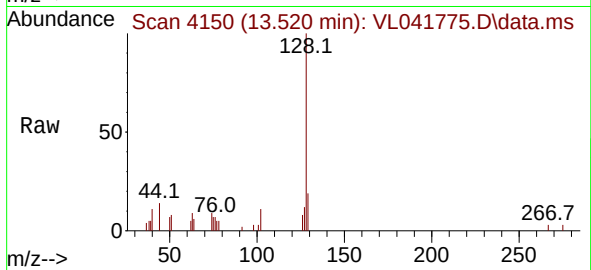
MDL 0.4

Tgt Ion:	128	Resp:	298
Ion Ratio	Lower	Upper	
128	100		
127	12.3	10.7	16.1
129	19.3	8.2	12.4

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 12/18/2024
Supervised By :Semsettin Yesilyurt 12/18/2024



#80

Naphthalene,2-methyl-

Concen: 0.069 ppbv

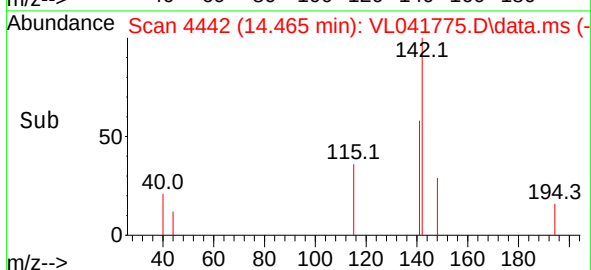
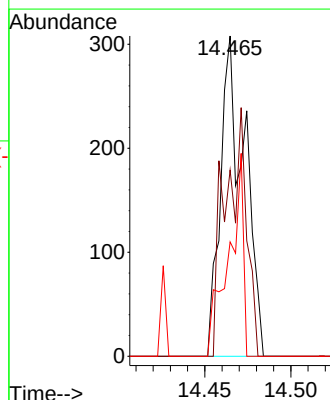
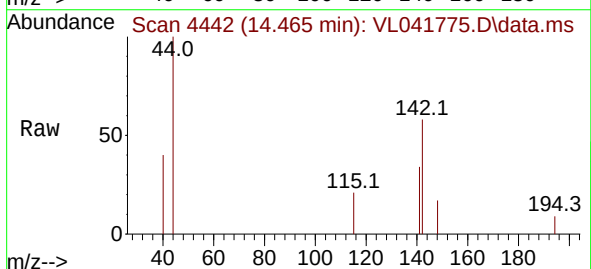
RT: 14.465 min Scan# 4442

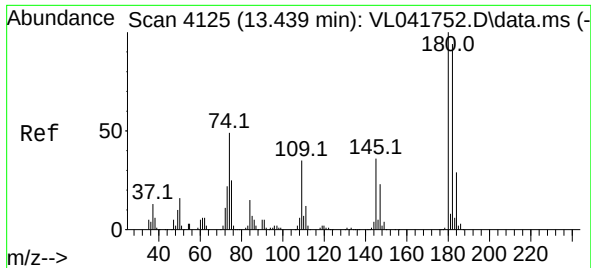
Delta R.T. 0.006 min

Lab File: VL041775.D

Acq: 17 Dec 2024 13:10

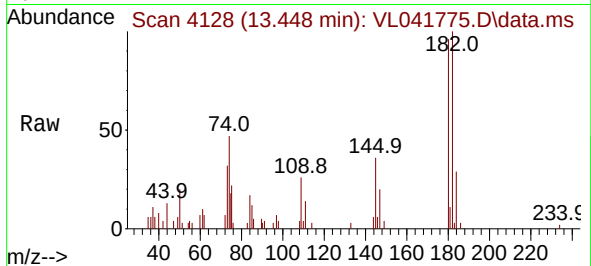
Tgt Ion:	142	Resp:	297
Ion Ratio	Lower	Upper	
142	100		
141	69.0	68.4	102.6
115	39.1	32.5	48.7





#81
1,2,4-Trichlorobenzene
Concen: 0.269 ppbv
RT: 13.448 min Scan# 41
Delta R.T. 0.009 min
Lab File: VL041775.D
Acq: 17 Dec 2024 13:10

Instrument :
MSVOA_L
ClientSampleId :
MDL 0.4



Tgt Ion:180 Resp: 204
Ion Ratio Lower Upper
180 100
182 104.8 77.0 115.6
184 35.2 23.8 35.8

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 12/18/2024
Supervised By :Semsettin Yesilyurt 12/18/2024

