

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL021425\
 Data File : VL042018.D
 Acq On : 14 Feb 2025 13:56
 Operator : SY/MD
 Sample : VSTDICC0.5
 Misc : 400mL/MSVOA_L
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC0.5

Quant Time: Feb 15 01:21:13 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL021425AIR.M

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

QLast Update : Sat Feb 15 01:17:03 2025

Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Semsettin Yesilyurt 02/17/2025
 Supervised By : Mahesh Dadoda 02/17/2025

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

Internal Standards						
1) Bromochloromethane	2.778	49	94436	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.946	114	279976	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.869	117	251709	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 10.364 95 209868 10.108 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 101.100%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.496	85	8247	0.507	ppbv	97
3) Chlorodifluoromethane	1.473	51	9295	0.517	ppbv #	89
4) Chloromethane	1.528	50	2975	0.471	ppbv #	66
5) Vinyl Chloride	1.574	62	3516	0.465	ppbv	98
6) Bromomethane	1.664	94	1639	0.560	ppbv	94
7) Chloroethane	1.700	64	1148	0.466	ppbv #	73
8) Dichlorotetrafluoroethane	1.551	85	7752	0.542	ppbv	92
9) Propene	1.480	41	4003	0.515	ppbv	95
10) Heptane	4.966	43	11556m	0.540	ppbv	
11) Trichlorofluoromethane	1.875	101	8711	0.532	ppbv	92
12) 1,1,2-Trichlorotrifluo...	2.137	101	6352	0.498	ppbv	94
13) Ethanol	1.719	45	770	0.818	ppbv	61
14) Bromoethene	1.777	108	2389	0.501	ppbv #	89
15) Acetone	1.829	43	9879	0.634	ppbv	90
16) 1,3-Butadiene	1.603	39	4527	0.612	ppbv	96
17) tert-Butyl alcohol	2.040	59	10843	0.562	ppbv #	72
18) 1,1-Dichloroethene	2.030	96	3127m	0.504	ppbv	
19) Isopropyl Alcohol	1.884	45	5006	0.569	ppbv #	37
20) Methylene Chloride	2.056	84	3886	0.662	ppbv #	93
21) Allyl Chloride	2.091	41	6308	0.562	ppbv	92
22) trans-1,2-Dichloroethene	2.334	96	3536	0.534	ppbv	95
23) Vinyl Acetate	2.454	43	4271	0.506	ppbv #	92
24) 1,1-Dichloroethane	2.402	63	7214	0.537	ppbv #	87
25) Ethyl Acetate	2.833	43	23026	0.538	ppbv #	96
26) Hexane	2.816	57	8914	0.519	ppbv	93
27) Carbon Disulfide	2.143	76	7608	0.471	ppbv #	1
28) Methyl tert-Butyl Ether	2.435	73	5376	0.512	ppbv #	43
29) Chloroform	2.839	83	13077	0.526	ppbv	89
30) Cyclohexane	3.842	84	7847	0.522	ppbv	98
31) cis-1,2-Dichloroethene	2.710	61	8933m	0.526	ppbv	
32) 1,1,1-Trichloroethane	3.357	97	12836	0.465	ppbv	97
34) 2-Butanone	2.554	43	12852	0.534	ppbv	97
35) Carbon Tetrachloride	3.749	117	12442	0.467	ppbv	89
36) Benzene	3.645	78	17625	0.520	ppbv	97
37) 1,2-Dichloroethane	3.208	62	10309	0.534	ppbv	97
38) Trichloroethene	4.532	130	6897	0.495	ppbv	92
39) 1,2-Dichloropropane	4.302	63	6948m	0.552	ppbv	
40) 1,4-Dioxane	4.587	88	3751m	0.583	ppbv	
41) Tetrahydrofuran	3.059	42	7633	0.543	ppbv	95
42) Bromodichloromethane	4.470	83	13050	0.499	ppbv #	96
43) Methyl Methacrylate	4.872	69	8952m	0.587	ppbv	
44) 2,2,4-Trimethylpentane	4.629	57	30320	0.527	ppbv	95
45) t-1,3-Dichloropropene	6.399	75	7442m	0.509	ppbv	

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Instrument :
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Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 02/17/2025
 Supervised By :Mahesh Dadoda 02/17/2025

Quant Time: Feb 15 01:21:13 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL021425AIR.M

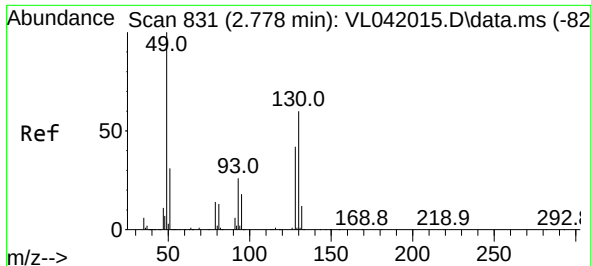
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2

QLast Update : Sat Feb 15 01:17:03 2025

Response via : Initial Calibration

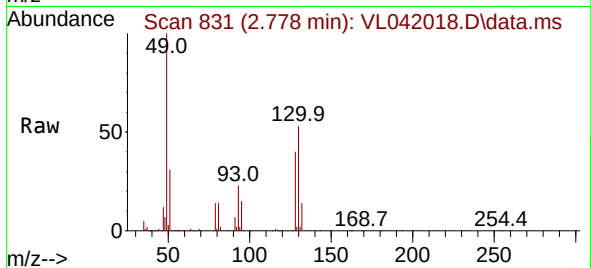
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.584	75	9394	0.507	ppbv #	92
47) 1,1,2-Trichloroethane	6.561	97	7043m	0.538	ppbv	
48) Dibromochloromethane	7.370	129	11420m	0.525	ppbv	
49) Bromoform	9.471	173	9300	0.517	ppbv	96
50) 4-Methyl-2-Pentanone	5.755	43	20054m	0.536	ppbv	
51) 2-Hexanone	7.435	43	15525	0.506	ppbv #	96
52) Tetrachloroethene	8.205	164	6421m	0.542	ppbv	
53) Toluene	6.914	91	20911m	0.521	ppbv	
54) 1,2-Dibromoethane	7.633	107	9127m	0.500	ppbv	
56) 1,1,1,2-Tetrachloroethane	8.914	131	11304m	0.629	ppbv	
57) Chlorobenzene	8.911	112	16052	0.542	ppbv #	84
58) Ethyl Benzene	9.341	91	28422	0.516	ppbv #	89
59) m/p-Xylene	9.542	91	45734m	1.053	ppbv	
60) o-Xylene	9.953	91	23290	0.531	ppbv	100
61) Styrene	9.859	104	10850	0.518	ppbv	95
62) Isopropylbenzene	10.533	105	34447	0.523	ppbv	99
63) 1,1,2,2-Tetrachloroethane	9.950	83	14087	0.498	ppbv #	92
64) n-propylbenzene	10.979	120	8738	0.540	ppbv	91
65) tert-Butylbenzene	11.523	119	30694	0.534	ppbv	99
66) Benzyl Chloride	11.604	91	2816	0.486	ppbv #	94
67) sec-Butylbenzene	11.759	105	43185	0.535	ppbv	96
69) p-Isopropyltoluene	11.918	119	35836	0.543	ppbv	98
70) n-Butylbenzene	12.274	91	33989	0.522	ppbv	97
71) 2-Chlorotoluene	10.895	91	27104	0.546	ppbv	100
72) 4-Ethyltoluene	11.115	105	26931	0.523	ppbv	99
73) 1,3,5-Trimethylbenzene	11.196	105	23624	0.533	ppbv	89
74) 1,2,4-Trimethylbenzene	11.526	105	25288	0.531	ppbv #	91
75) 1,3-Dichlorobenzene	11.601	146	13359	0.521	ppbv	95
76) 1,4-Dichlorobenzene	11.665	146	12997	0.520	ppbv	95
77) 1,2-Dichlorobenzene	11.934	146	13212	0.539	ppbv	97
78) Hexachloro-1,3-Butadiene	13.873	225	12224	0.603	ppbv	94
79) Naphthalene	13.507	128	25479	0.544	ppbv #	93
80) Naphthalene,2-methyl-	14.449	142	11628	0.546	ppbv	95
81) 1,2,4-Trichlorobenzene	13.433	180	9689	0.509	ppbv	98

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



#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.778 min Scan# 831
Delta R.T. -0.000 min
Lab File: VL042018.D
Acq: 14 Feb 2025 13:56

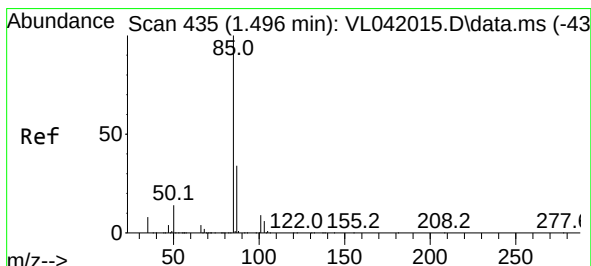
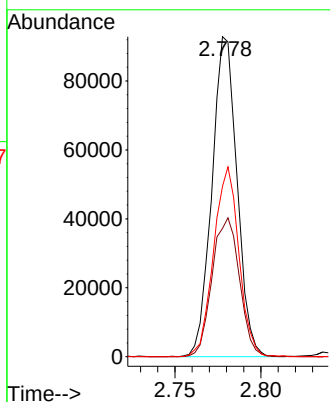
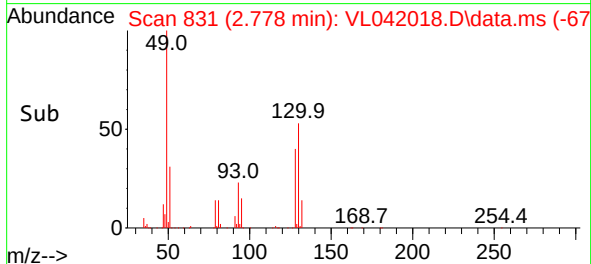
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5



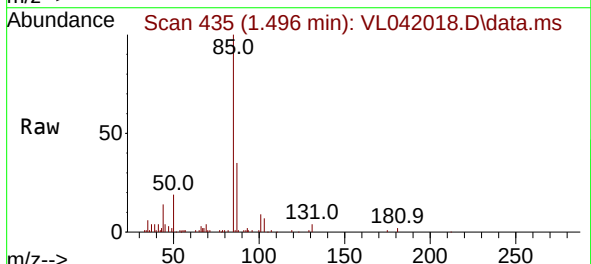
Tgt Ion: 49 Resp: 94430
Ion Ratio Lower Upper
49 100
128 47.2 22.7 68.0
130 59.5 29.9 89.8

Manual Integrations
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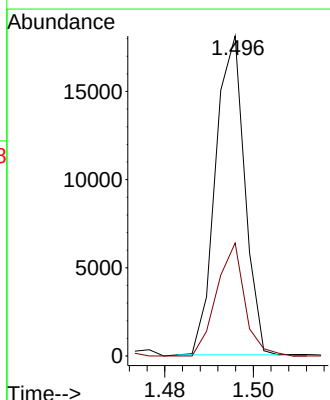
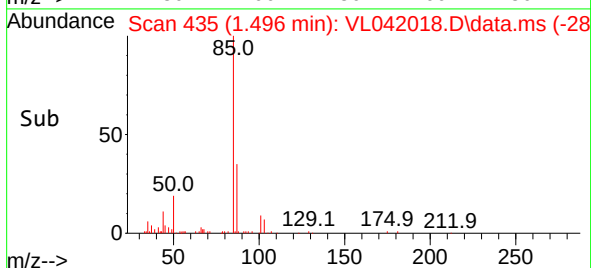
Reviewed By :Semsettin Yesilyurt 02/17/2025
Supervised By :Mahesh Dadoda 02/17/2025

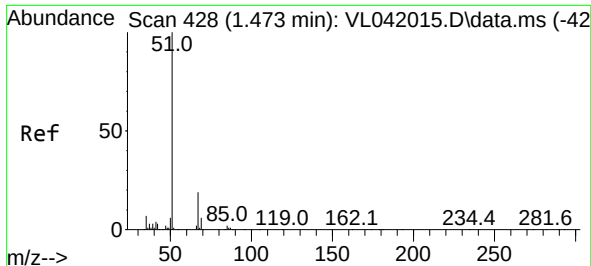


#2
Dichlorodifluoromethane
Concen: 0.507 ppbv
RT: 1.496 min Scan# 435
Delta R.T. -0.000 min
Lab File: VL042018.D
Acq: 14 Feb 2025 13:56



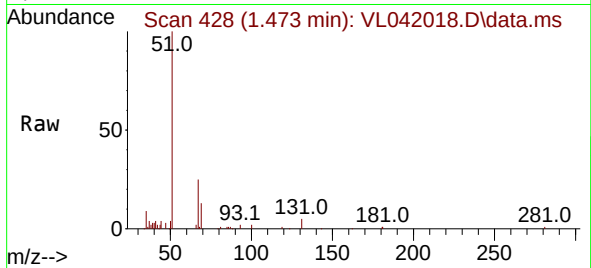
Tgt Ion: 85 Resp: 8247
Ion Ratio Lower Upper
85 100
87 35.4 26.9 40.3





#3
Chlorodifluoromethane
Concen: 0.517 ppbv
RT: 1.473 min Scan# 428
Delta R.T. -0.000 min
Lab File: VL042018.D
Acq: 14 Feb 2025 13:56

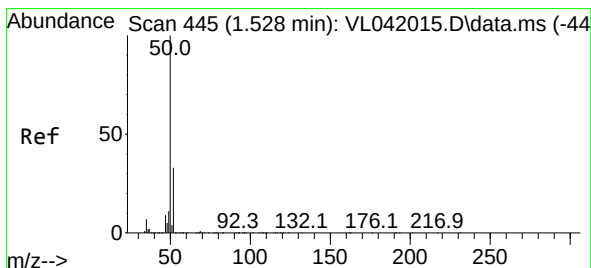
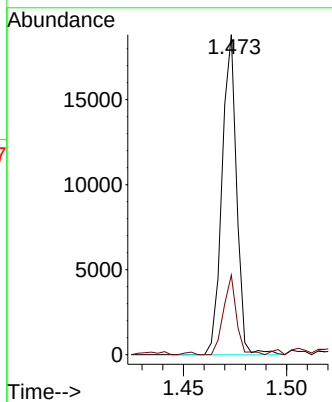
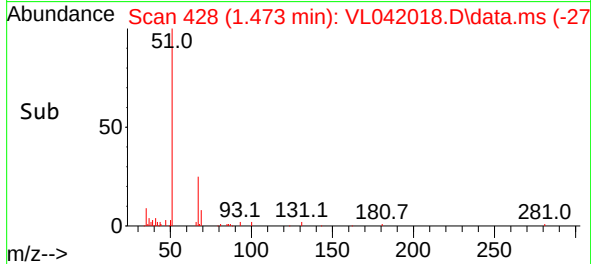
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5



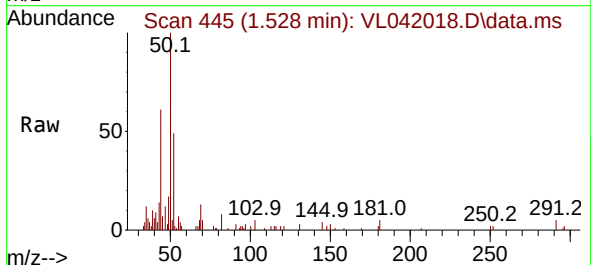
Tgt Ion: 51 Resp: 929
Ion Ratio Lower Upper
51 100
67 23.6 15.0 22.6

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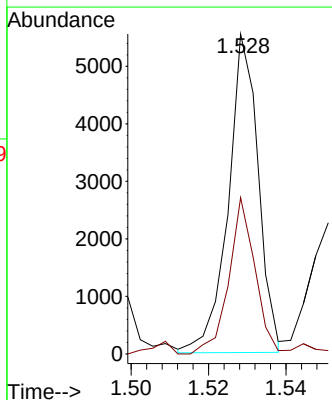
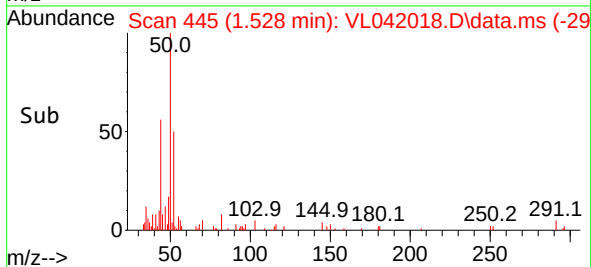
Reviewed By :Semsettin Yesilyurt 02/17/2025
Supervised By :Mahesh Dadoda 02/17/2025

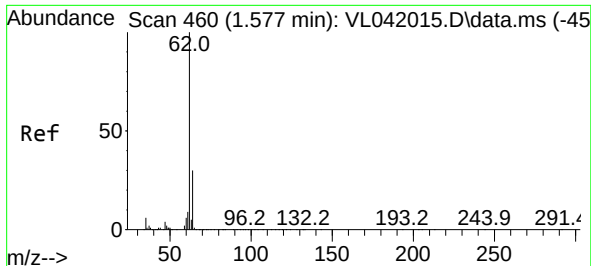


#4
Chloromethane
Concen: 0.471 ppbv
RT: 1.528 min Scan# 445
Delta R.T. -0.000 min
Lab File: VL042018.D
Acq: 14 Feb 2025 13:56



Tgt Ion: 50 Resp: 2975
Ion Ratio Lower Upper
50 100
52 51.9 26.2 39.2





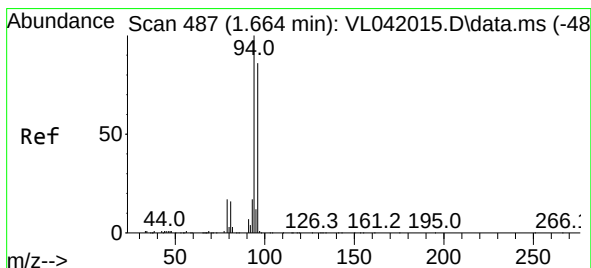
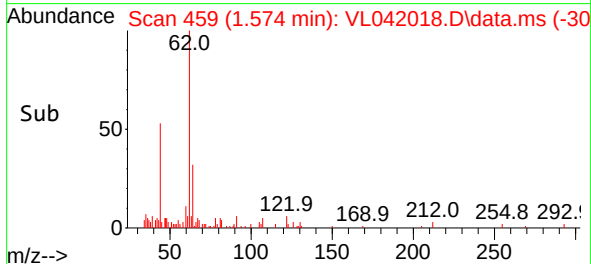
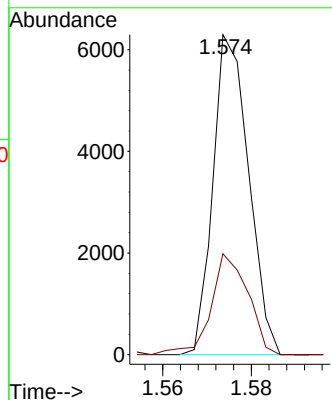
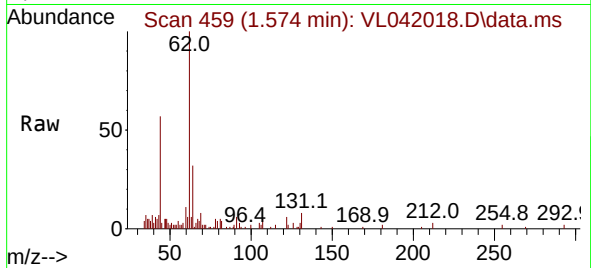
#5
 Vinyl Chloride
 Concen: 0.465 ppbv
 RT: 1.574 min Scan# 410
 Delta R.T. -0.003 min
 Lab File: VL042018.D
 Acq: 14 Feb 2025 13:56

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tgt Ion: 62 Resp: 3510
 Ion Ratio Lower Upper
 62 100
 64 31.5 24.4 36.6

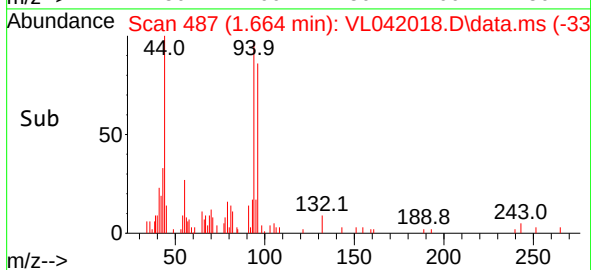
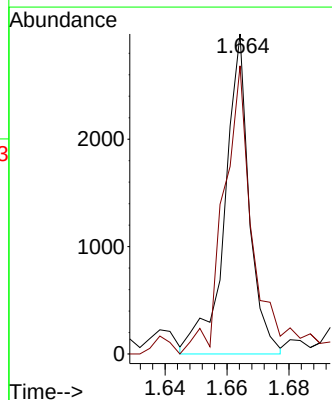
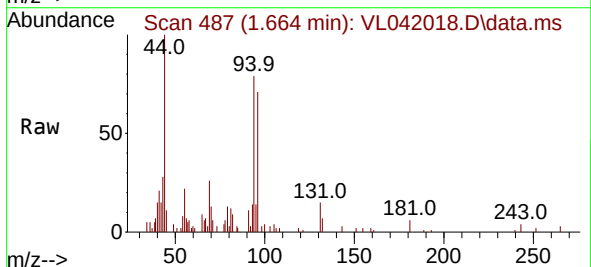
Manual Integrations
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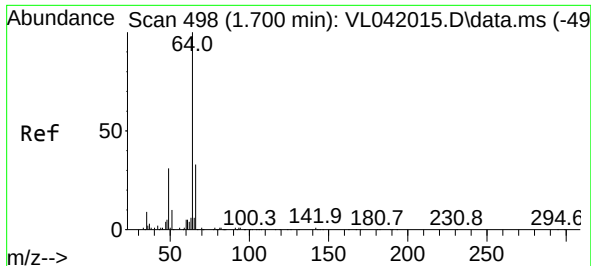
Reviewed By :Semsettin Yesilyurt 02/17/2025
 Supervised By :Mahesh Dadoda 02/17/2025



#6
 Bromomethane
 Concen: 0.560 ppbv
 RT: 1.664 min Scan# 487
 Delta R.T. -0.000 min
 Lab File: VL042018.D
 Acq: 14 Feb 2025 13:56

Tgt Ion: 94 Resp: 1639
 Ion Ratio Lower Upper
 94 100
 96 91.7 69.0 103.6





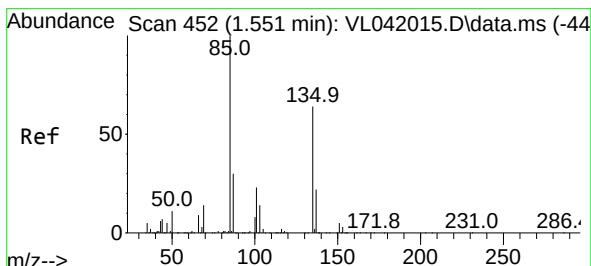
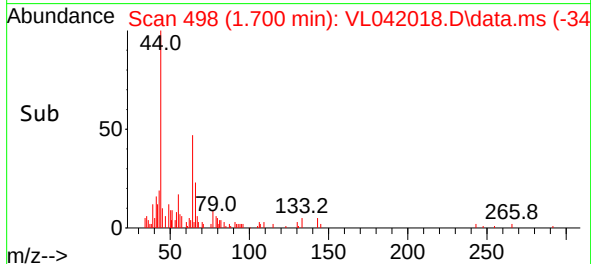
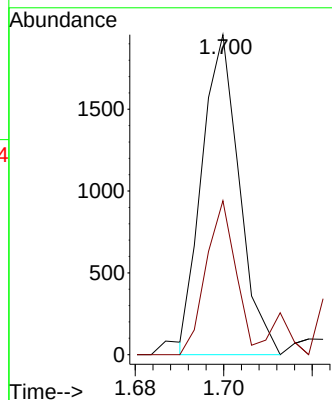
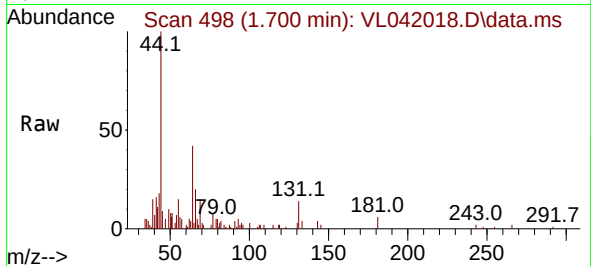
#7
Chloroethane
Concen: 0.466 ppbv
RT: 1.700 min Scan# 498
Delta R.T. -0.000 min
Lab File: VL042018.D
Acq: 14 Feb 2025 13:56

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tgt Ion: 64 Resp: 1148
Ion Ratio Lower Upper
64 100
66 48.1 26.5 39.7

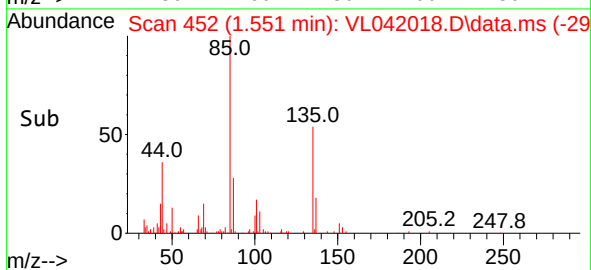
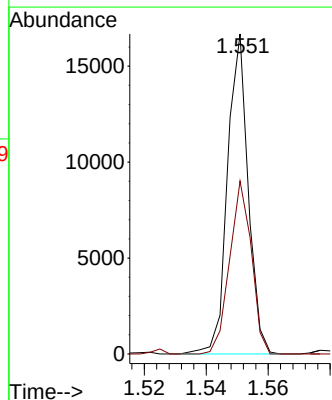
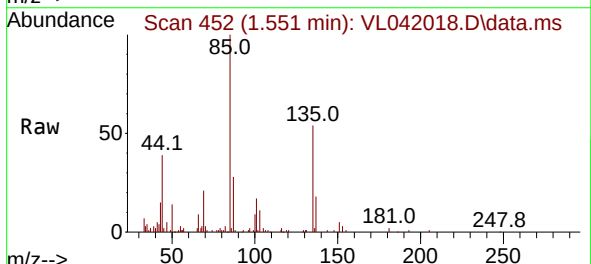
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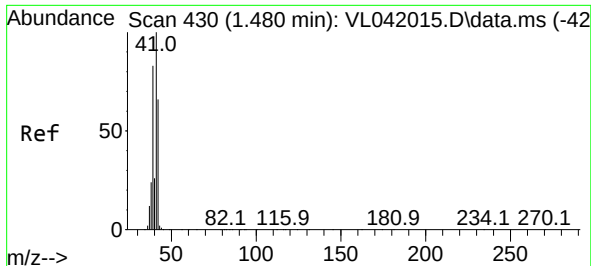
Reviewed By :Semsettin Yesilyurt 02/17/2025
Supervised By :Mahesh Dadoda 02/17/2025



#8
Dichlorotetrafluoroethane
Concen: 0.542 ppbv
RT: 1.551 min Scan# 452
Delta R.T. -0.000 min
Lab File: VL042018.D
Acq: 14 Feb 2025 13:56

Tgt Ion: 85 Resp: 7752
Ion Ratio Lower Upper
85 100
135 57.6 50.9 76.3





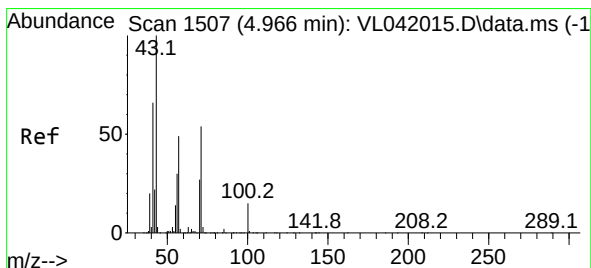
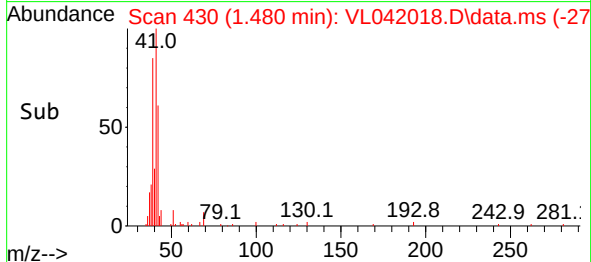
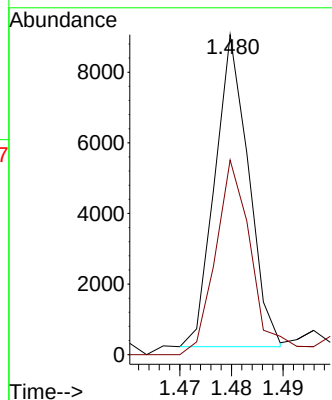
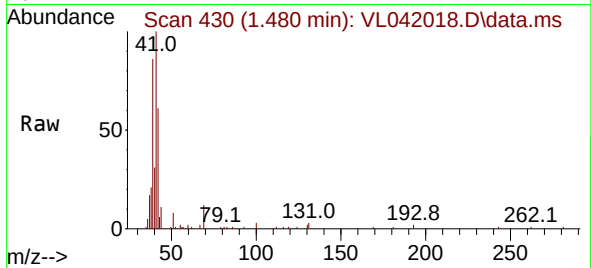
#9
 Propene
 Concen: 0.515 ppbv
 RT: 1.480 min Scan# 41
 Delta R.T. -0.000 min
 Lab File: VL042018.D
 Acq: 14 Feb 2025 13:56

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tgt Ion: 41 Resp: 400
 Ion Ratio Lower Upper
 41 100
 42 70.5 53.5 80.3

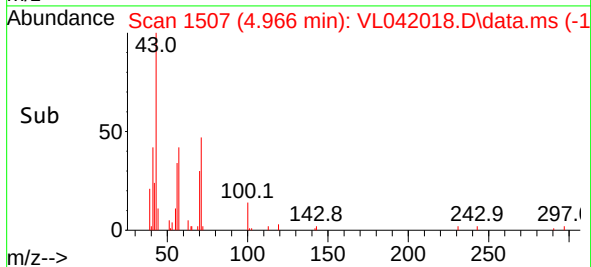
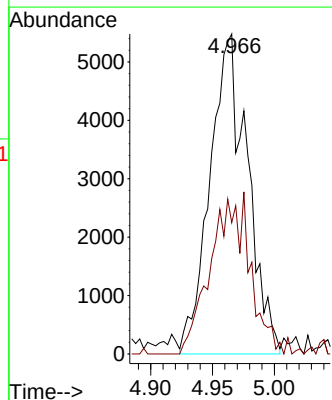
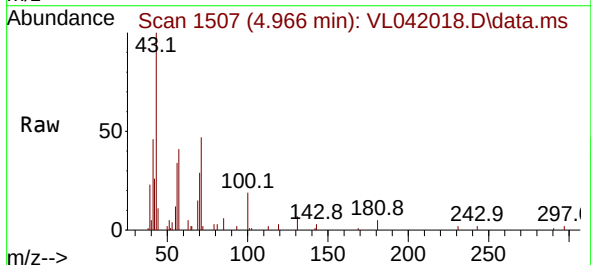
Manual Integrations
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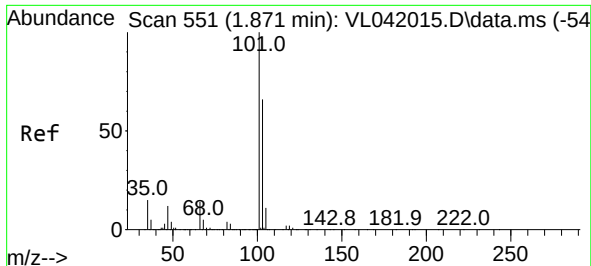
Reviewed By :Semsettin Yesilyurt 02/17/2025
 Supervised By :Mahesh Dadoda 02/17/2025



#10
 Heptane
 Concen: 0.540 ppbv m
 RT: 4.966 min Scan# 1507
 Delta R.T. -0.000 min
 Lab File: VL042018.D
 Acq: 14 Feb 2025 13:56

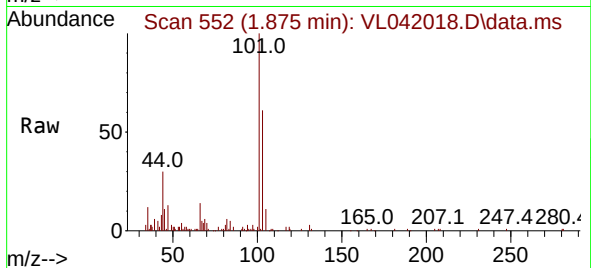
Tgt Ion: 43 Resp: 11556
 Ion Ratio Lower Upper
 43 100
 57 0.0 41.0 61.6#





#11
 Trichlorofluoromethane
 Concen: 0.532 ppbv
 RT: 1.875 min Scan# 551
 Delta R.T. 0.003 min
 Lab File: VL042018.D
 Acq: 14 Feb 2025 13:56

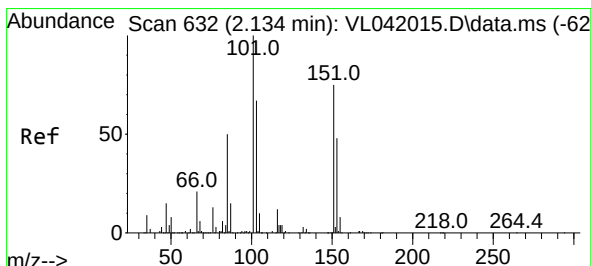
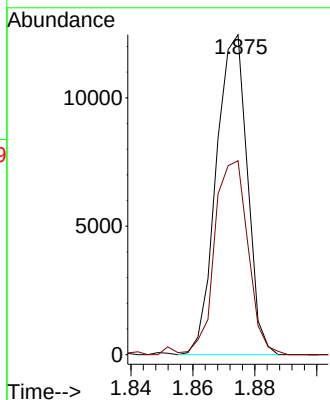
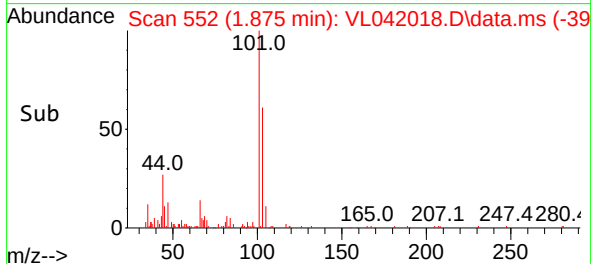
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 MSVOA_L
 ClientSampleId :
 VSTDIC0.5



Tgt Ion:101 Resp: 871
 Ion Ratio Lower Upper
 101 100
 103 59.9 52.9 79.3

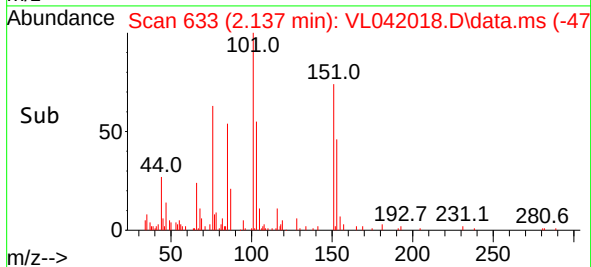
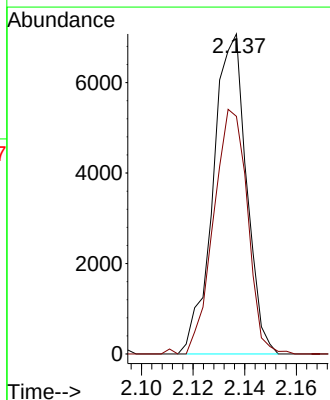
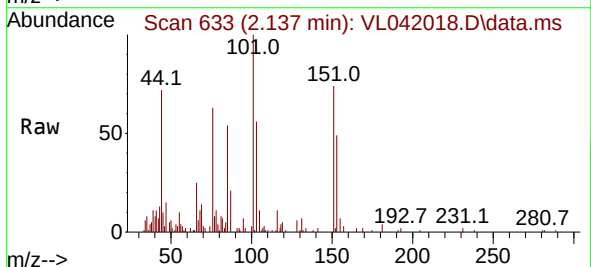
Manual Integrations
 APPROVED

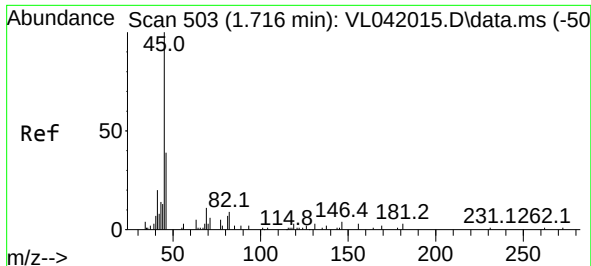
Reviewed By :Semsettin Yesilyurt 02/17/2025
 Supervised By :Mahesh Dadoda 02/17/2025



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.498 ppbv
 RT: 2.137 min Scan# 633
 Delta R.T. 0.003 min
 Lab File: VL042018.D
 Acq: 14 Feb 2025 13:56

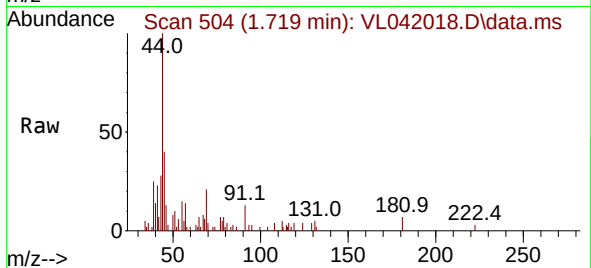
Tgt Ion:101 Resp: 6352
 Ion Ratio Lower Upper
 101 100
 151 77.8 58.2 87.2





#13
Ethanol
Concen: 0.818 ppbv
RT: 1.719 min Scan# 503
Delta R.T. 0.003 min
Lab File: VL042018.D
Acq: 14 Feb 2025 13:56

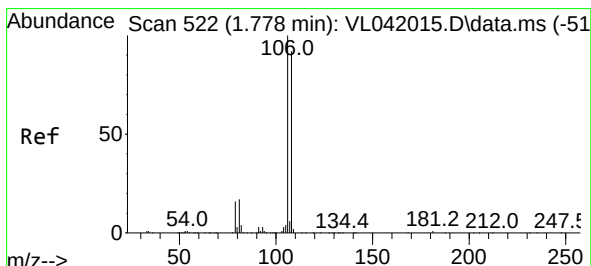
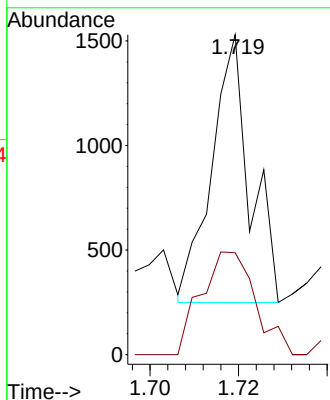
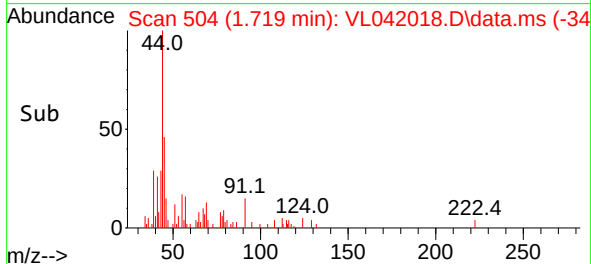
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5



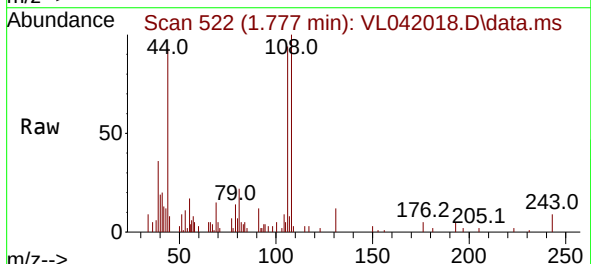
Tgt Ion: 45 Resp: 770
Ion Ratio Lower Upper
45 100
46 80.9 21.3 85.1

Manual Integrations
APPROVED

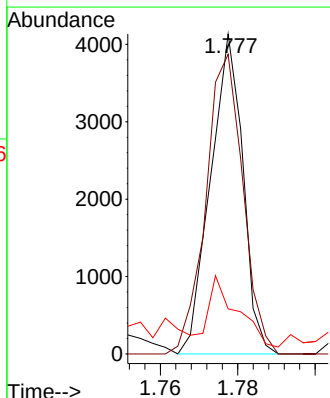
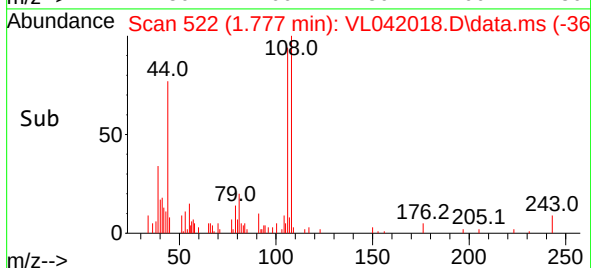
Reviewed By :Semsettin Yesilyurt 02/17/2025
Supervised By :Mahesh Dadoda 02/17/2025

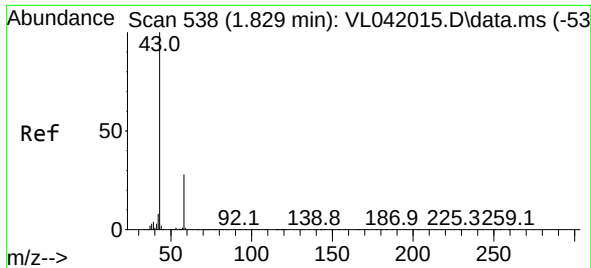


#14
Bromoethene
Concen: 0.501 ppbv
RT: 1.777 min Scan# 522
Delta R.T. -0.000 min
Lab File: VL042018.D
Acq: 14 Feb 2025 13:56



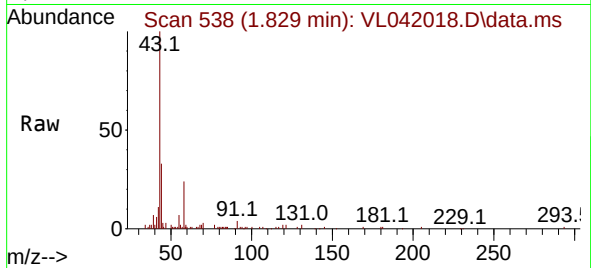
Tgt Ion:108 Resp: 2389
Ion Ratio Lower Upper
108 100
106 107.5 85.0 127.6
79 50.7 17.3 25.9





#15
Acetone
Concen: 0.634 ppbv
RT: 1.829 min Scan# 51
Delta R.T. -0.000 min
Lab File: VL042018.D
Acq: 14 Feb 2025 13:56

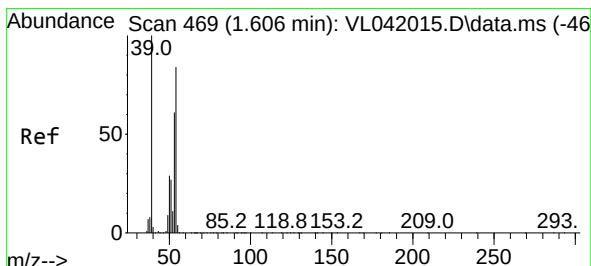
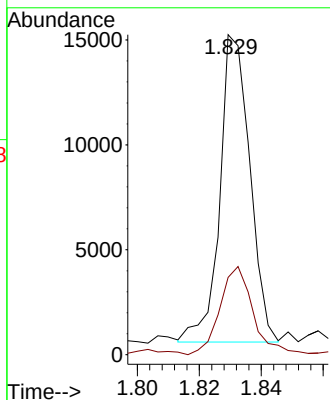
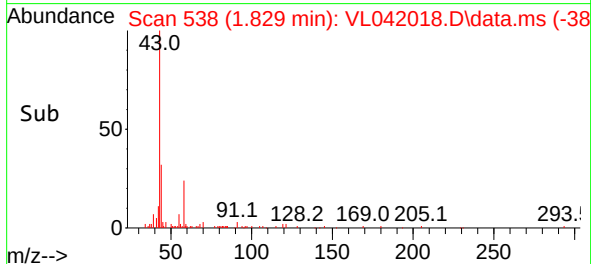
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5



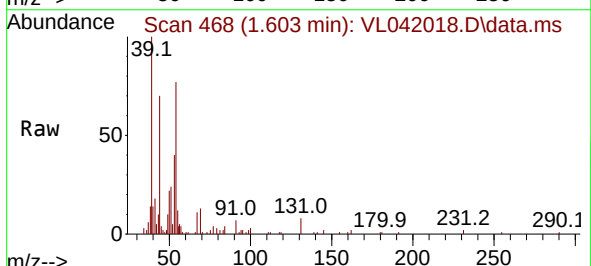
Tgt Ion: 43 Resp: 9879
Ion Ratio Lower Upper
43 100
58 34.1 22.9 34.3

Manual Integrations
APPROVED

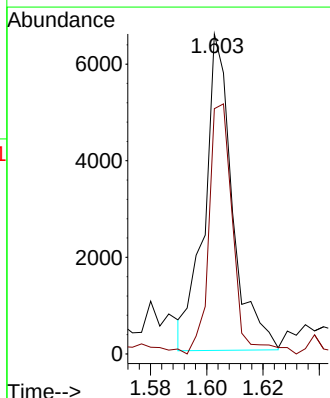
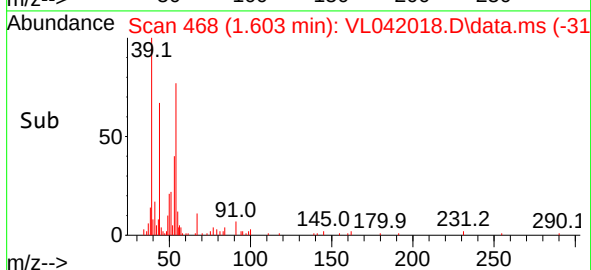
Reviewed By :Semsettin Yesilyurt 02/17/2025
Supervised By :Mahesh Dadoda 02/17/2025

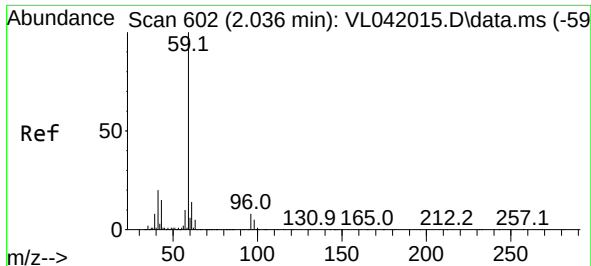


#16
1,3-Butadiene
Concen: 0.612 ppbv
RT: 1.603 min Scan# 468
Delta R.T. -0.003 min
Lab File: VL042018.D
Acq: 14 Feb 2025 13:56



Tgt Ion: 39 Resp: 4527
Ion Ratio Lower Upper
39 100
54 70.6 59.4 89.2





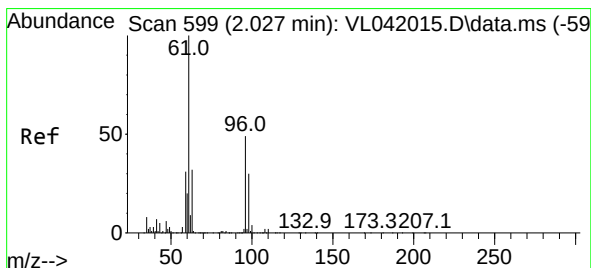
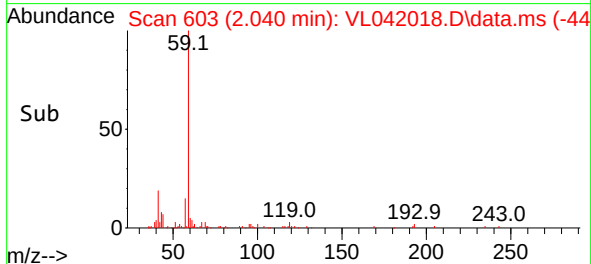
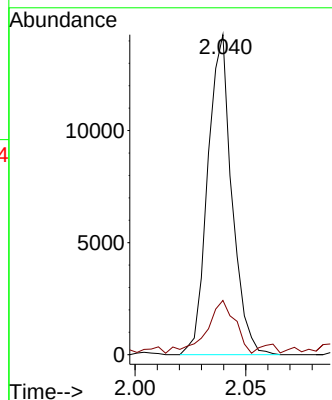
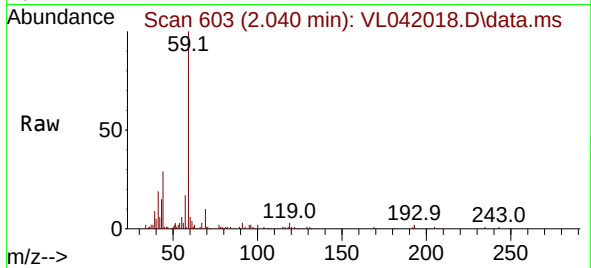
#17
tert-Butyl alcohol
Concen: 0.562 ppbv
RT: 2.040 min Scan# 602
Delta R.T. 0.003 min
Lab File: VL042018.D
Acq: 14 Feb 2025 13:56

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tgt Ion: 59 Resp: 1084
Ion Ratio Lower Upper
59 100
57 22.4 9.2 13.8

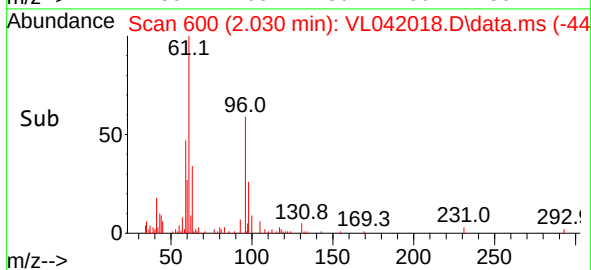
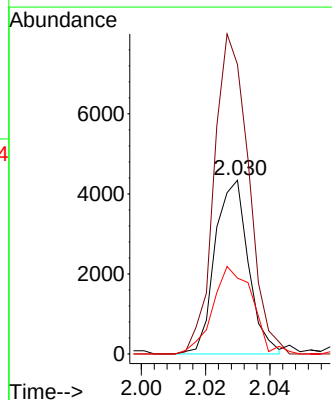
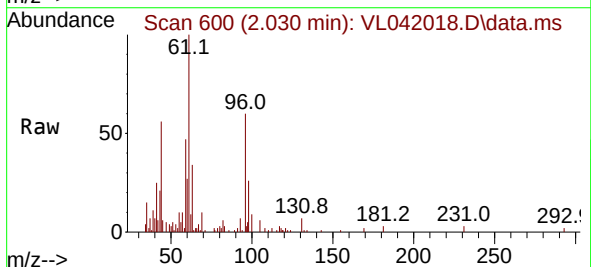
Manual Integrations
APPROVED

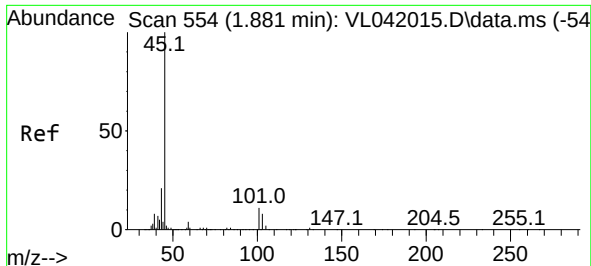
Reviewed By :Semsettin Yesilyurt 02/17/2025
Supervised By :Mahesh Dadoda 02/17/2025



#18
1,1-Dichloroethene
Concen: 0.504 ppbv m
RT: 2.030 min Scan# 600
Delta R.T. 0.003 min
Lab File: VL042018.D
Acq: 14 Feb 2025 13:56

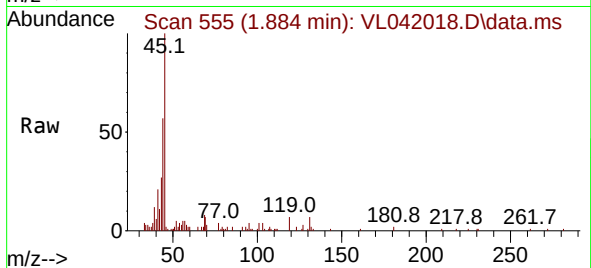
Tgt Ion: 96 Resp: 3127
Ion Ratio Lower Upper
96 100
61 166.6 163.5 245.3
98 43.6 49.4 74.0





#19
Isopropyl Alcohol
Concen: 0.569 ppbv
RT: 1.884 min Scan# 511
Delta R.T. 0.003 min
Lab File: VL042018.D
Acq: 14 Feb 2025 13:56

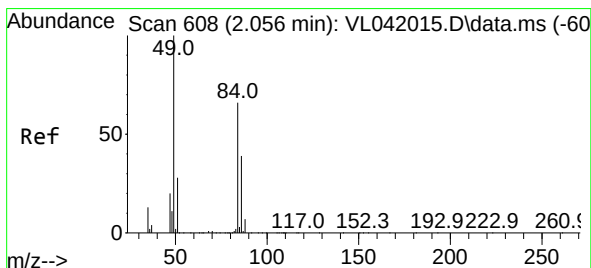
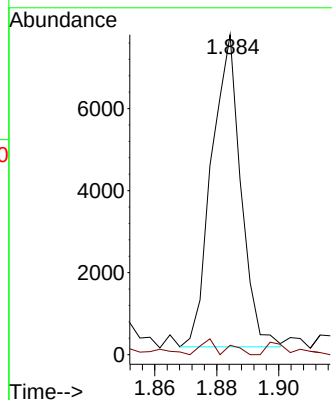
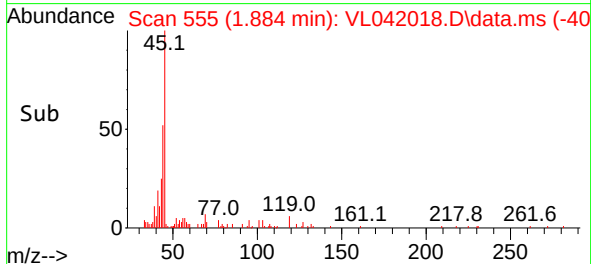
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5



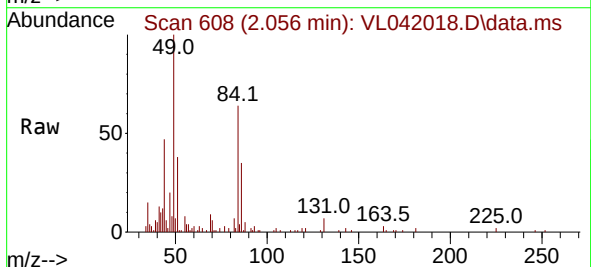
Tgt Ion: 45 Resp: 5000
Ion Ratio Lower Upper
45 100
58 4.2 36.2 54.4

Manual Integrations
APPROVED

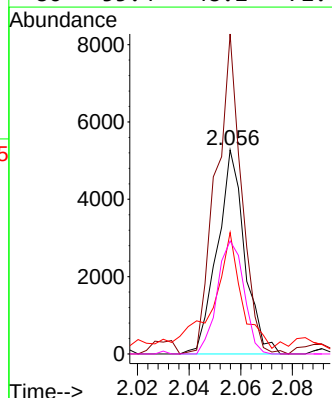
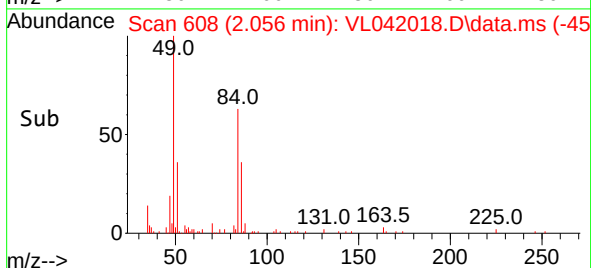
Reviewed By :Semsettin Yesilyurt 02/17/2025
Supervised By :Mahesh Dadoda 02/17/2025

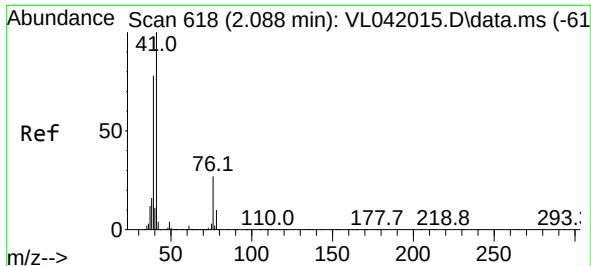


#20
Methylene Chloride
Concen: 0.662 ppbv
RT: 2.056 min Scan# 608
Delta R.T. -0.000 min
Lab File: VL042018.D
Acq: 14 Feb 2025 13:56



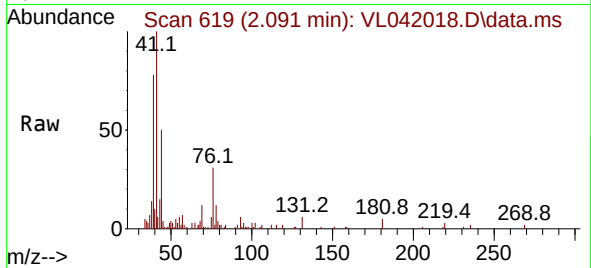
Tgt Ion: 84 Resp: 3886
Ion Ratio Lower Upper
84 100
49 156.9 121.0 181.4
51 53.6 35.1 52.7#
86 55.4 48.2 72.4





#21
 Allyl Chloride
 Concen: 0.562 ppbv
 RT: 2.091 min Scan# 618
 Delta R.T. 0.003 min
 Lab File: VL042018.D
 Acq: 14 Feb 2025 13:56

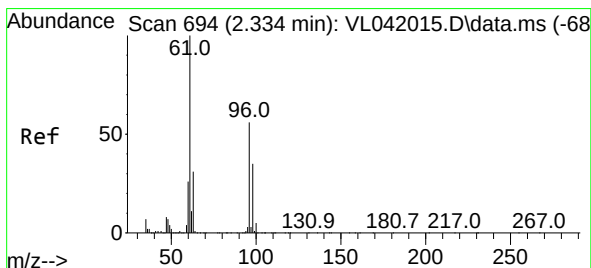
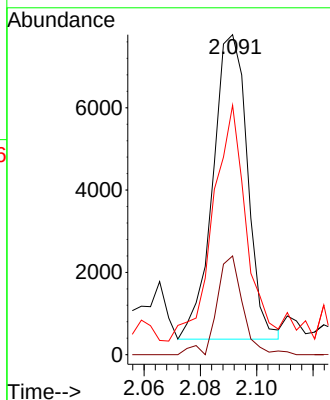
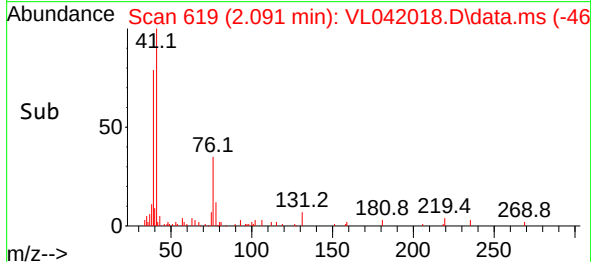
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5



Tgt Ion: 41 Resp: 6308
 Ion Ratio Lower Upper
 41 100
 76 24.5 23.7 35.5
 39 84.9 63.0 94.6

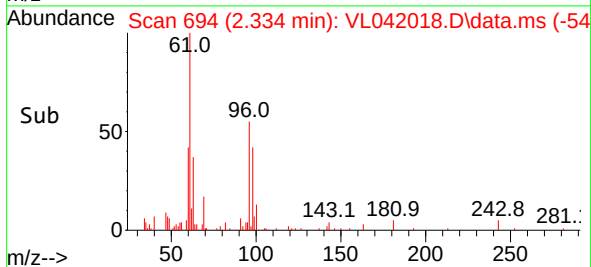
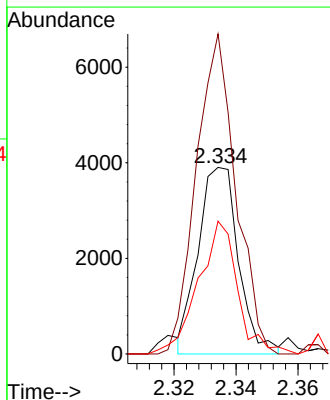
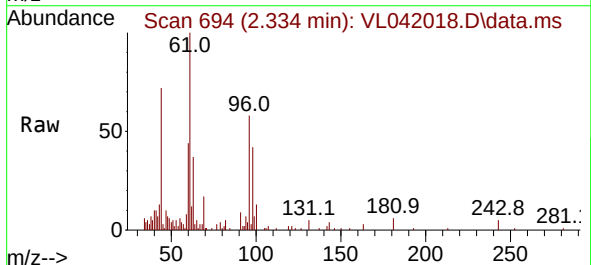
Manual Integrations
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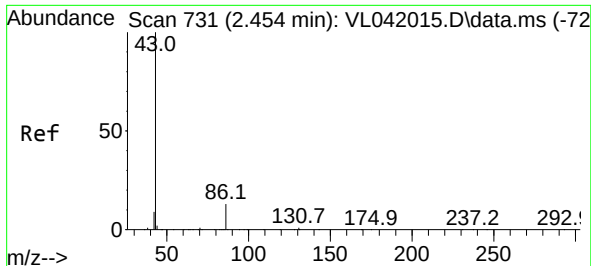
Reviewed By :Semsettin Yesilyurt 02/17/2025
 Supervised By :Mahesh Dadoda 02/17/2025



#22
 trans-1,2-Dichloroethene
 Concen: 0.534 ppbv
 RT: 2.334 min Scan# 694
 Delta R.T. -0.000 min
 Lab File: VL042018.D
 Acq: 14 Feb 2025 13:56

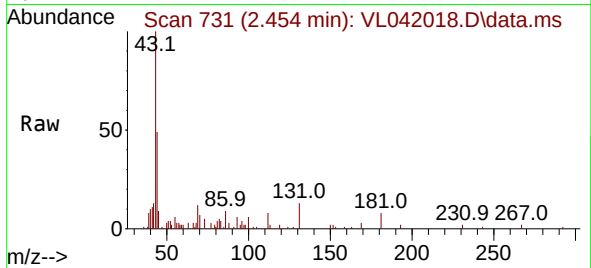
Tgt Ion: 96 Resp: 3536
 Ion Ratio Lower Upper
 96 100
 61 172.9 142.3 213.5
 98 70.0 50.2 75.2





#23
 Vinyl Acetate
 Concen: 0.506 ppbv
 RT: 2.454 min Scan# 715
 Delta R.T. -0.000 min
 Lab File: VL042018.D
 Acq: 14 Feb 2025 13:56

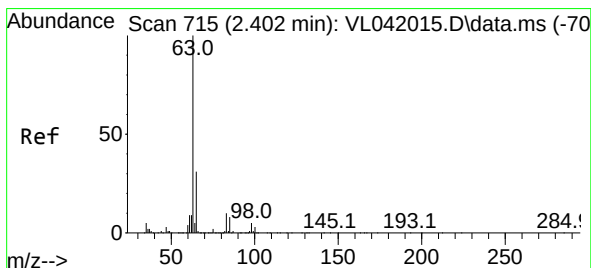
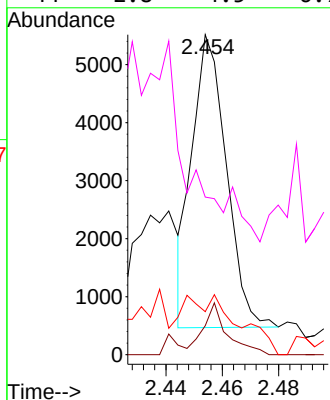
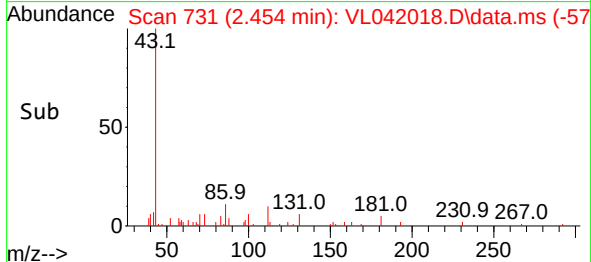
Instrument :
 MSVOA_1
 ClientSampleId :
 VSTDIC0.5



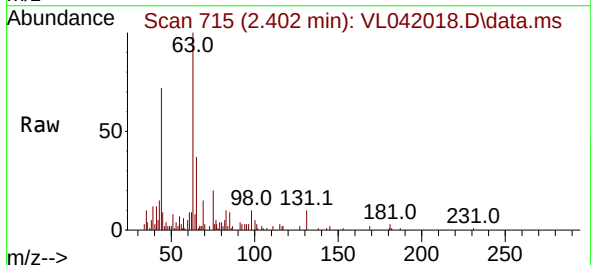
Tgt Ion:	43	Resp:	427
Ion	Ratio	Lower	Upper
43	100		
86	9.9	8.1	12.1
42	14.7	7.5	11.3
44	2.8	4.5	6.7

Manual Integrations
 APPROVED

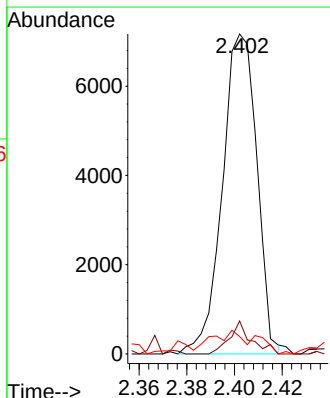
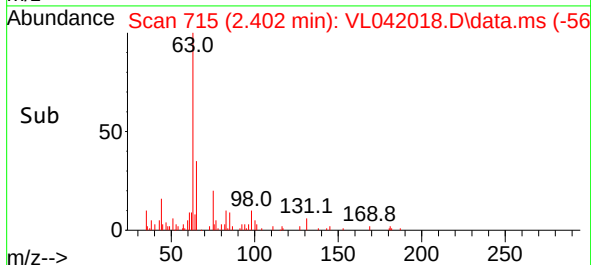
Reviewed By :Semsettin Yesilyurt 02/17/2025
 Supervised By :Mahesh Dadoda 02/17/2025

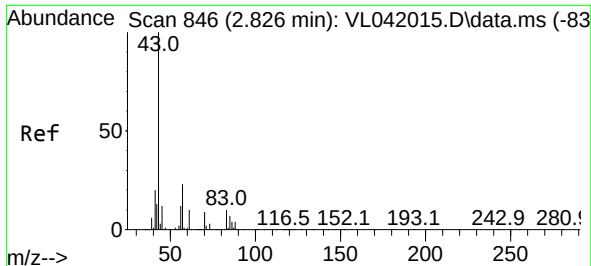


#24
 1,1-Dichloroethane
 Concen: 0.537 ppbv
 RT: 2.402 min Scan# 715
 Delta R.T. -0.000 min
 Lab File: VL042018.D
 Acq: 14 Feb 2025 13:56



Tgt Ion:	63	Resp:	7214
Ion	Ratio	Lower	Upper
63	100		
98	10.3	2.4	7.2
100	5.4	1.6	4.8





#25

Ethyl Acetate

Concen: 0.538 ppbv

RT: 2.833 min Scan# 846

Delta R.T. 0.006 min

Lab File: VL042018.D

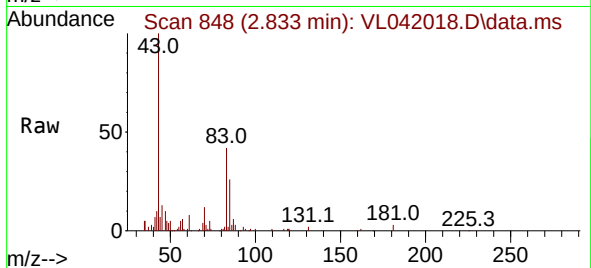
Acq: 14 Feb 2025 13:56

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC0.5

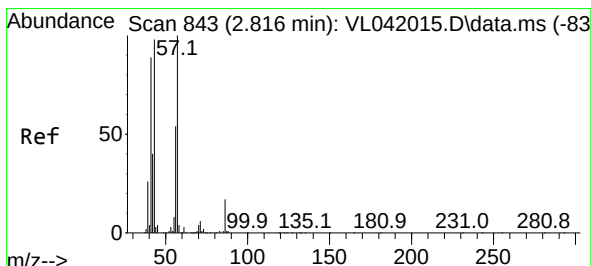
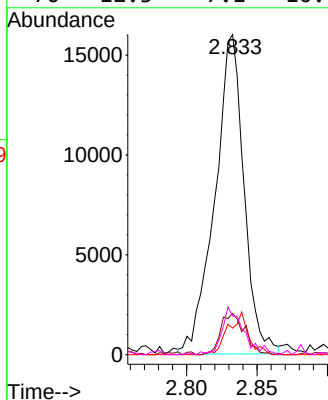
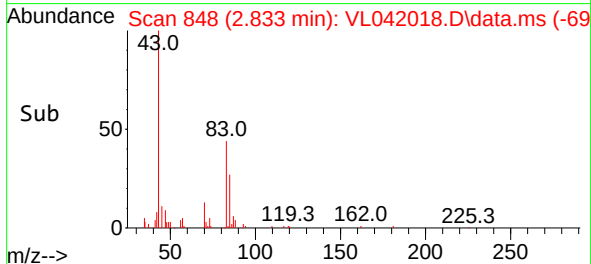


Tgt Ion:	43	Resp:	2302
Ion Ratio	Lower	Upper	
43	100		
45	11.4	8.1	12.1
61	9.3	7.5	11.3
70	12.3	7.1	10.7

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 02/17/2025
Supervised By :Mahesh Dadoda 02/17/2025



#26

Hexane

Concen: 0.519 ppbv

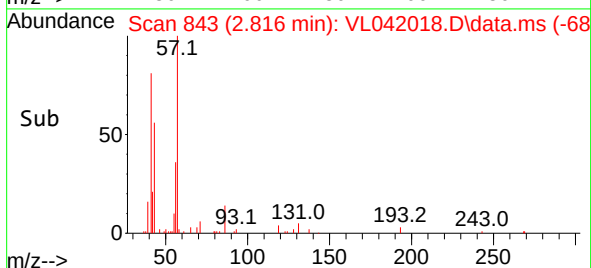
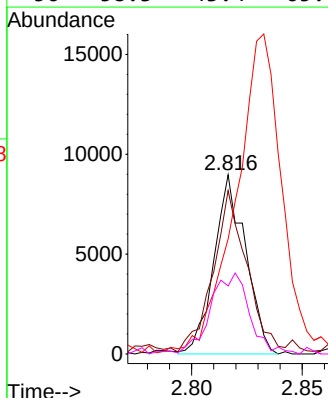
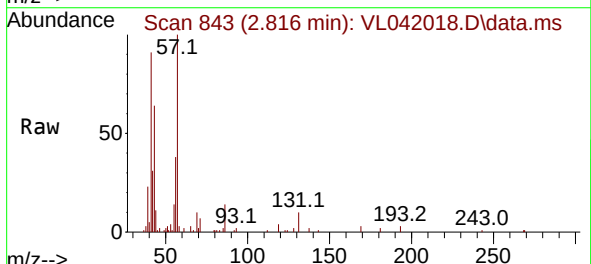
RT: 2.816 min Scan# 843

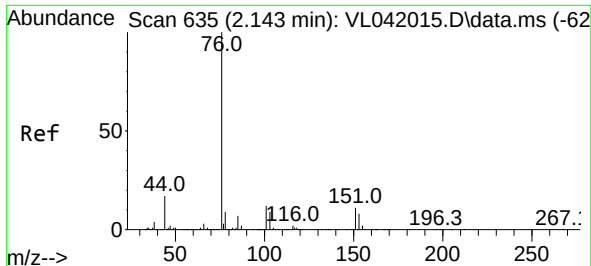
Delta R.T. -0.000 min

Lab File: VL042018.D

Acq: 14 Feb 2025 13:56

Tgt Ion:	57	Resp:	8914
Ion Ratio	Lower	Upper	
57	100		
41	101.5	73.2	109.8
43	260.8	200.8	301.2
56	58.3	43.4	65.0





#27

Carbon Disulfide

Concen: 0.471 ppbv

RT: 2.143 min Scan# 61

Delta R.T. -0.000 min

Lab File: VL042018.D

Acq: 14 Feb 2025 13:56

Instrument :

MSVOA_L

ClientSampleId :

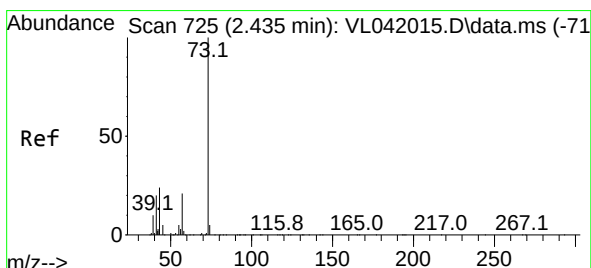
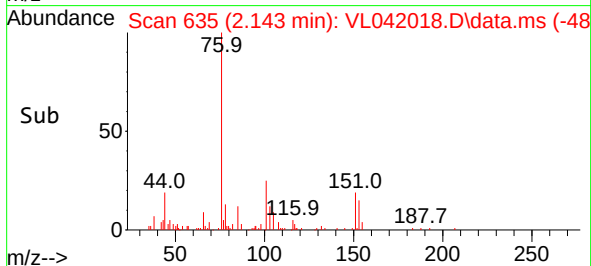
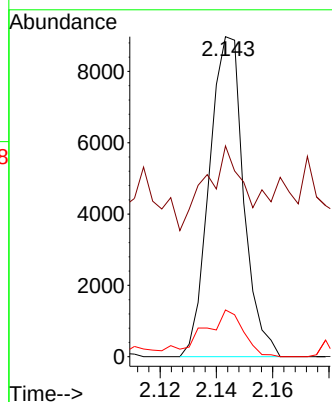
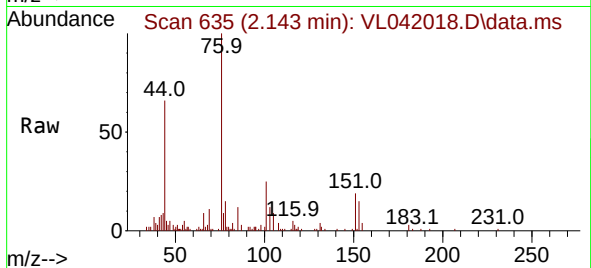
VSTDIC0.5

Tgt Ion: 76	Resp: 7608
Ion Ratio	Lower Upper
76	100
44	137.3 18.1 27.1
78	19.5 9.5 14.3

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 02/17/2025
Supervised By :Mahesh Dadoda 02/17/2025



#28

Methyl tert-Butyl Ether

Concen: 0.512 ppbv

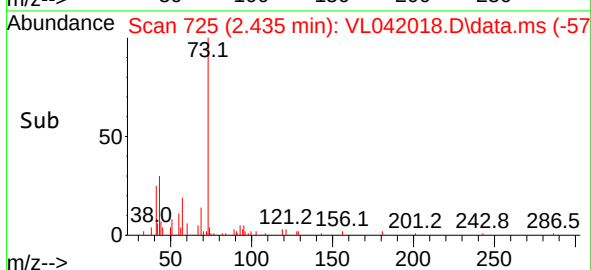
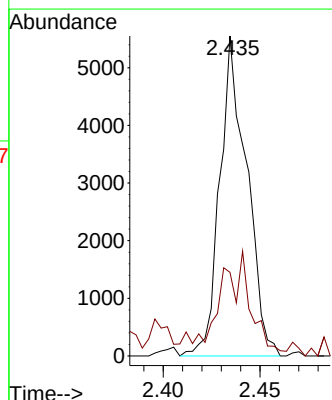
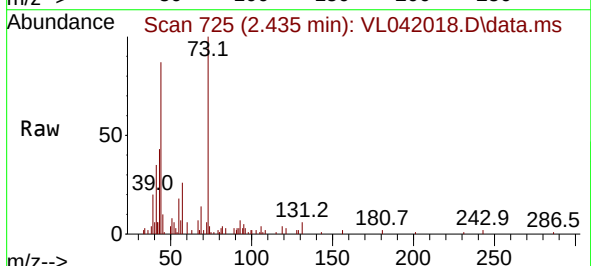
RT: 2.435 min Scan# 725

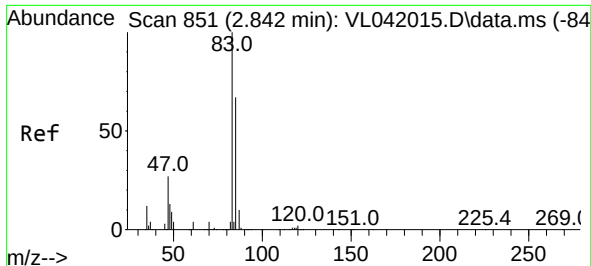
Delta R.T. -0.000 min

Lab File: VL042018.D

Acq: 14 Feb 2025 13:56

Tgt Ion: 73	Resp: 5376
Ion Ratio	Lower Upper
73	100
57	50.4 18.3 27.5





#29

Chloroform

Concen: 0.526 ppbv

RT: 2.839 min Scan# 81

Delta R.T. -0.003 min

Lab File: VL042018.D

Acq: 14 Feb 2025 13:56

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC0.5

Tgt Ion: 83 Resp: 1307

Ion Ratio Lower Upper

83 100

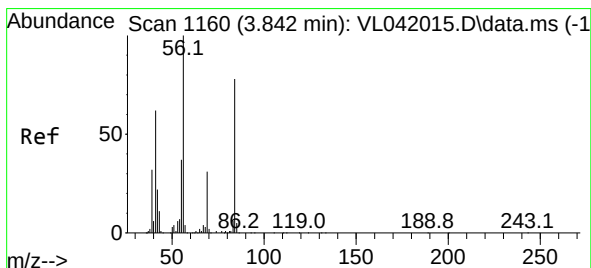
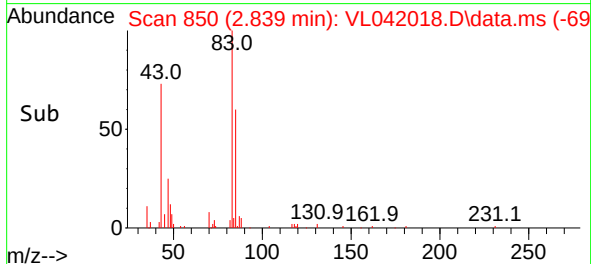
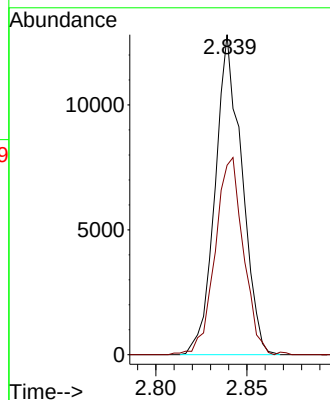
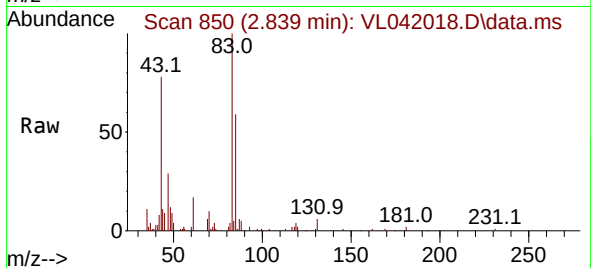
85 58.7 53.8 80.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 02/17/2025

Supervised By :Mahesh Dadoda 02/17/2025



#30

Cyclohexane

Concen: 0.522 ppbv

RT: 3.842 min Scan# 1160

Delta R.T. -0.000 min

Lab File: VL042018.D

Acq: 14 Feb 2025 13:56

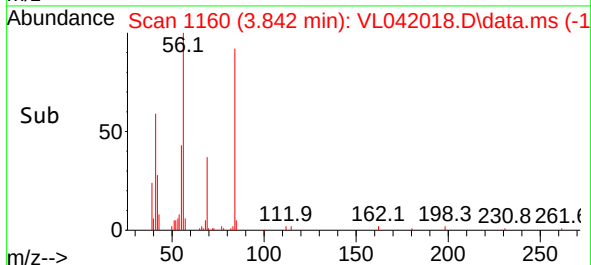
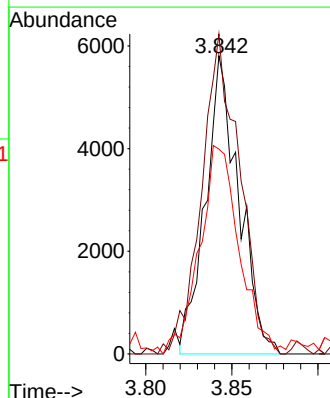
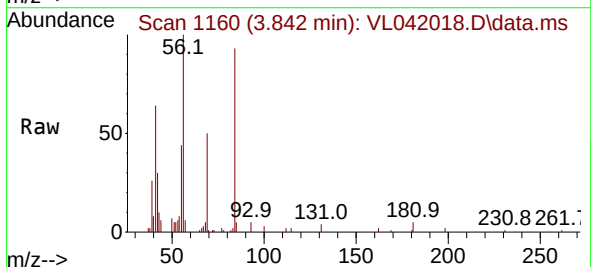
Tgt Ion: 84 Resp: 7847

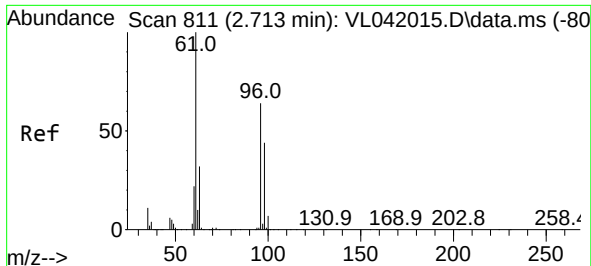
Ion Ratio Lower Upper

84 100

56 123.2 99.5 149.3

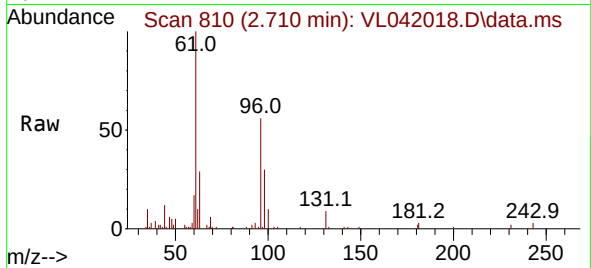
41 80.3 62.2 93.2





#31
cis-1,2-Dichloroethene
Concen: 0.526 ppbv m
RT: 2.710 min Scan# 811
Delta R.T. -0.003 min
Lab File: VL042018.D
Acq: 14 Feb 2025 13:56

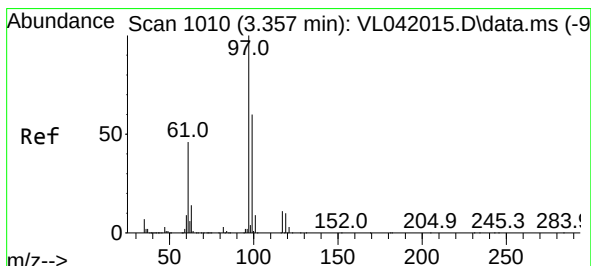
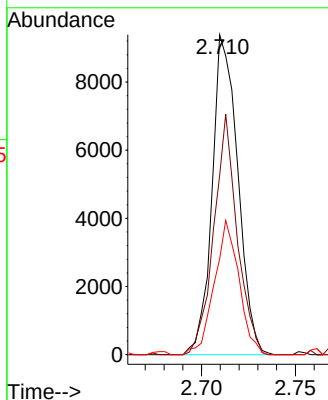
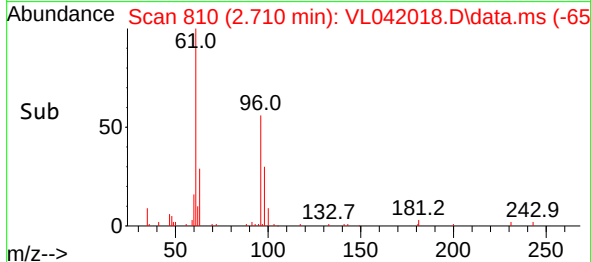
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5



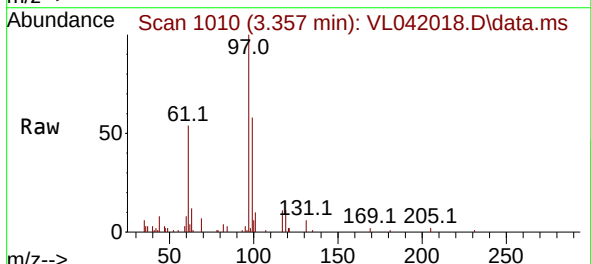
Tgt Ion: 61 Resp: 893
Ion Ratio Lower Upper
61 100
96 56.0 51.6 77.4
98 29.9 34.8 52.2

Manual Integrations
APPROVED

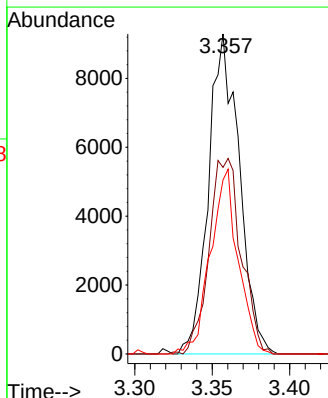
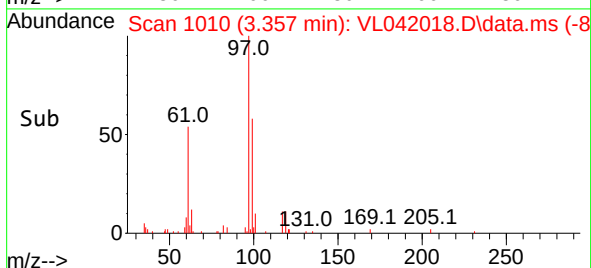
Reviewed By :Semsettin Yesilyurt 02/17/2025
Supervised By :Mahesh Dadoda 02/17/2025

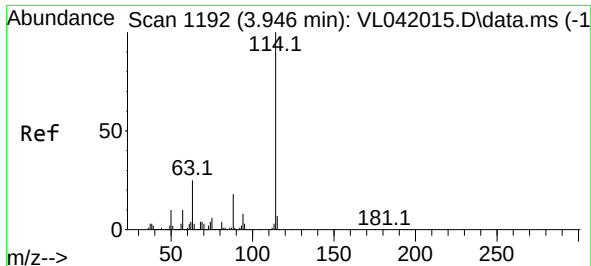


#32
1,1,1-Trichloroethane
Concen: 0.465 ppbv
RT: 3.357 min Scan# 1010
Delta R.T. -0.000 min
Lab File: VL042018.D
Acq: 14 Feb 2025 13:56



Tgt Ion: 97 Resp: 12836
Ion Ratio Lower Upper
97 100
99 64.0 51.0 76.4
61 52.2 37.9 56.9





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.946 min Scan# 1192

Delta R.T. -0.000 min

Lab File: VL042018.D

Acq: 14 Feb 2025 13:56

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC0.5

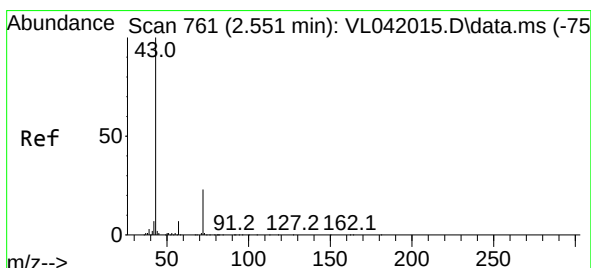
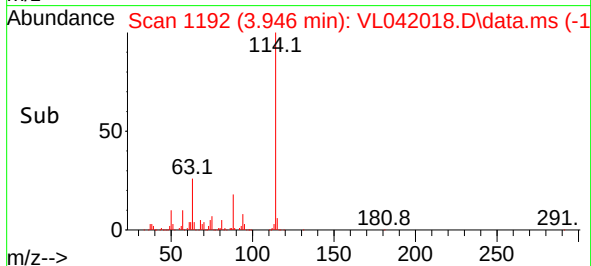
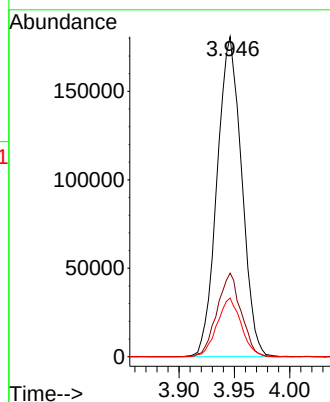
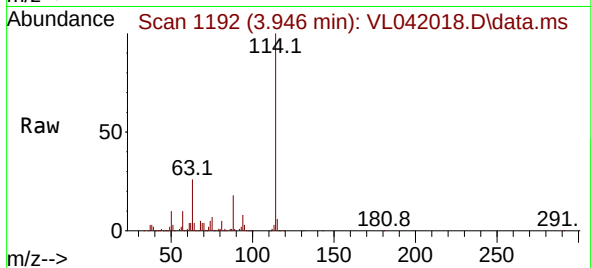
Tgt Ion:114 Resp: 279970

Ion	Ratio	Lower	Upper
114	100		
63	25.5	20.2	30.2
88	18.0	14.4	21.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 02/17/2025
Supervised By :Mahesh Dadoda 02/17/2025



#34

2-Butanone

Concen: 0.534 ppbv

RT: 2.554 min Scan# 762

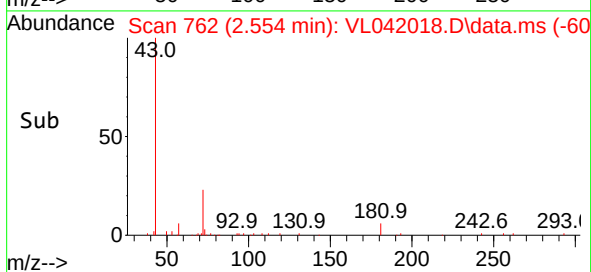
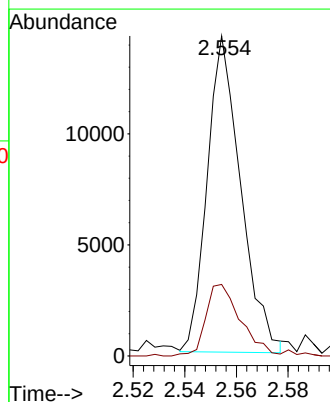
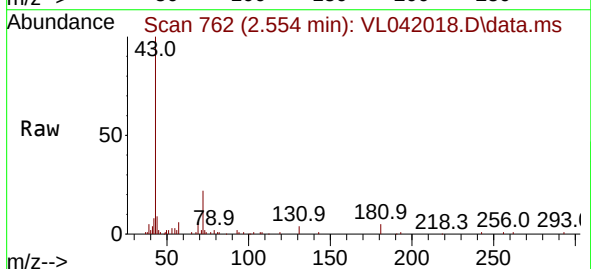
Delta R.T. 0.003 min

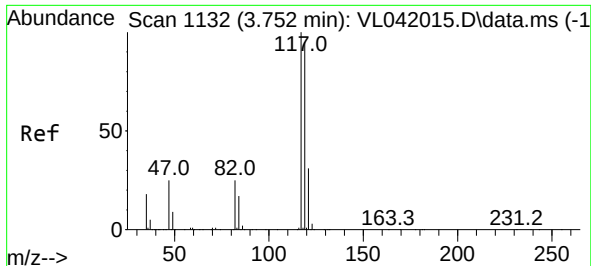
Lab File: VL042018.D

Acq: 14 Feb 2025 13:56

Tgt Ion: 43 Resp: 12852

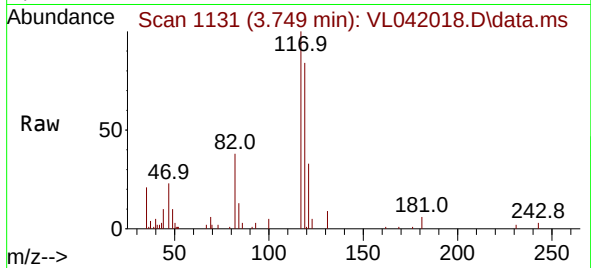
Ion	Ratio	Lower	Upper
43	100		
72	24.3	18.3	27.5





#35
Carbon Tetrachloride
Concen: 0.467 ppbv
RT: 3.749 min Scan# 1132
Delta R.T. -0.003 min
Lab File: VL042018.D
Acq: 14 Feb 2025 13:56

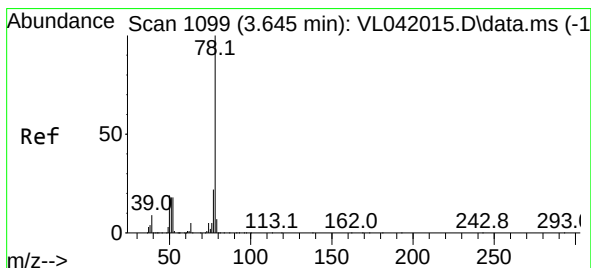
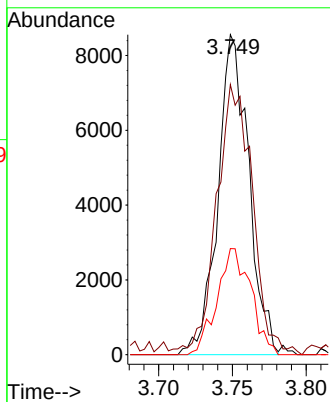
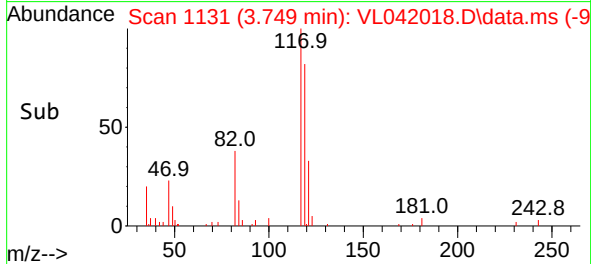
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5



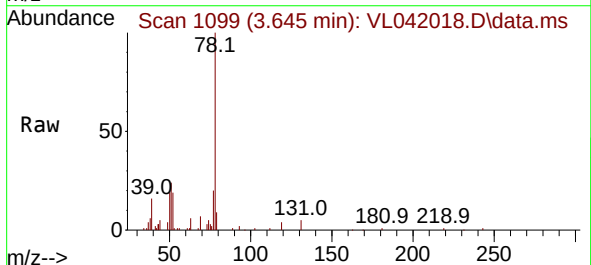
Tgt Ion:117 Resp: 1244
Ion Ratio Lower Upper
117 100
119 82.6 75.8 113.6
121 33.2 24.6 36.8

Manual Integrations
APPROVED

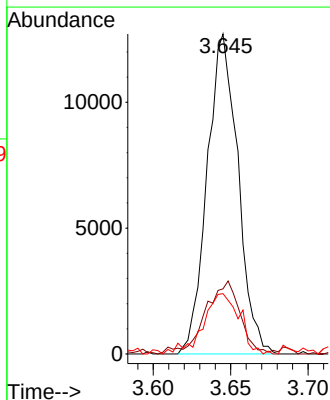
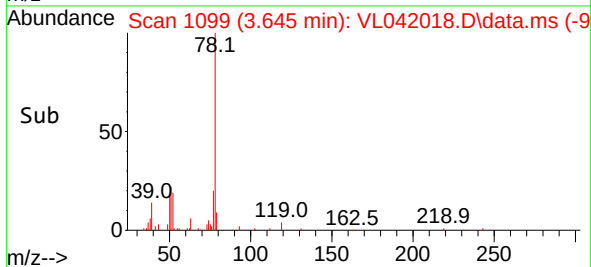
Reviewed By :Semsettin Yesilyurt 02/17/2025
Supervised By :Mahesh Dadoda 02/17/2025

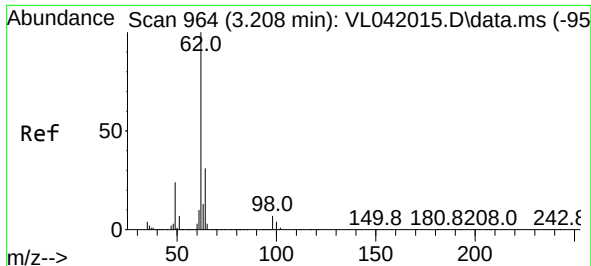


#36
Benzene
Concen: 0.520 ppbv
RT: 3.645 min Scan# 1099
Delta R.T. -0.000 min
Lab File: VL042018.D
Acq: 14 Feb 2025 13:56



Tgt Ion: 78 Resp: 17625
Ion Ratio Lower Upper
78 100
77 19.7 18.0 27.0
50 18.9 15.2 22.8





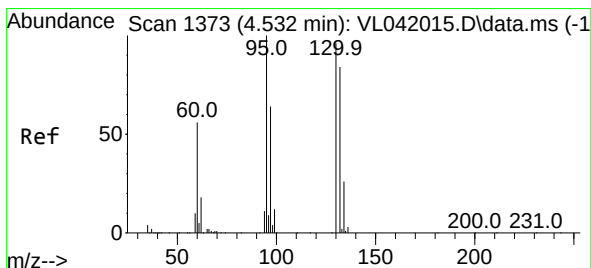
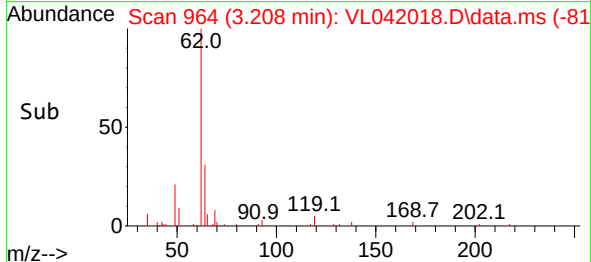
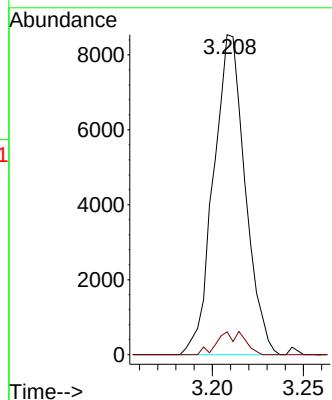
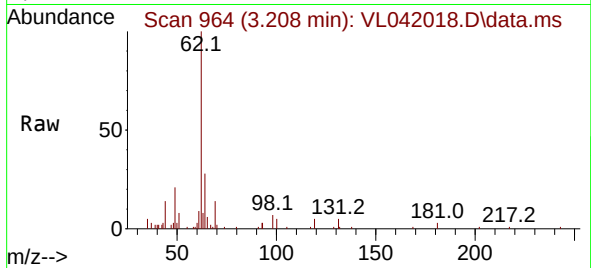
#37
1,2-Dichloroethane
Concen: 0.534 ppbv
RT: 3.208 min Scan# 964
Delta R.T. -0.000 min
Lab File: VL042018.D
Acq: 14 Feb 2025 13:56

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tgt Ion: 62 Resp: 10309
Ion Ratio Lower Upper
62 100
98 6.2 5.7 8.5

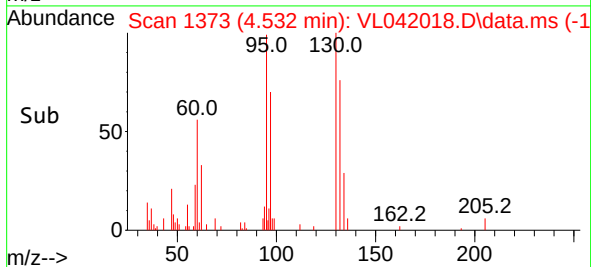
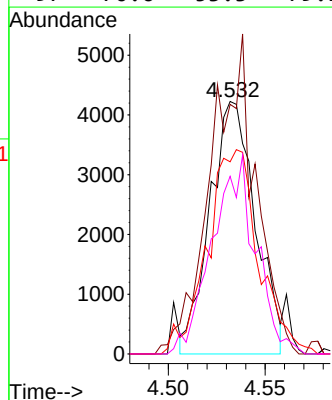
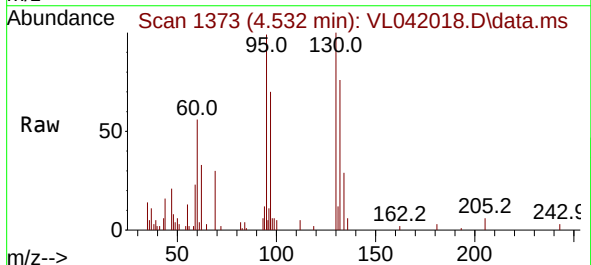
Manual Integrations
APPROVED

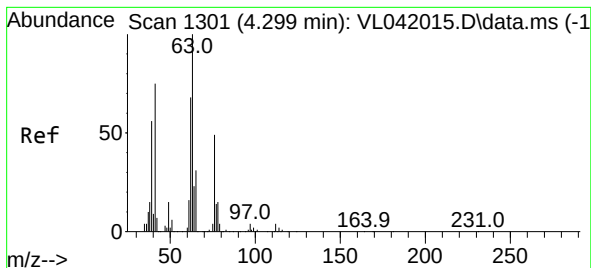
Reviewed By :Semsettin Yesilyurt 02/17/2025
Supervised By :Mahesh Dadoda 02/17/2025



#38
Trichloroethene
Concen: 0.495 ppbv
RT: 4.532 min Scan# 1373
Delta R.T. -0.000 min
Lab File: VL042018.D
Acq: 14 Feb 2025 13:56

Tgt Ion:130 Resp: 6897
Ion Ratio Lower Upper
130 100
95 98.6 82.8 124.2
132 75.0 70.0 105.0
97 70.6 53.3 79.9





#39

1,2-Dichloropropane

Concen: 0.552 ppbv m

RT: 4.302 min Scan# 1302

Delta R.T. 0.003 min

Lab File: VL042018.D

Acq: 14 Feb 2025 13:56

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC0.5

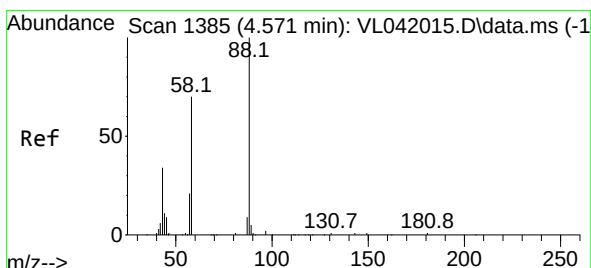
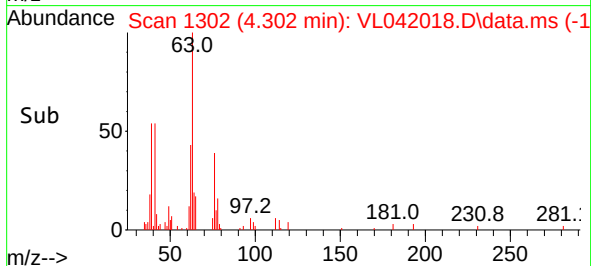
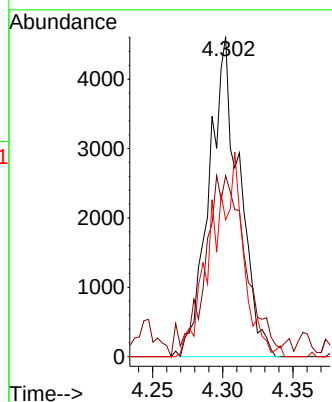
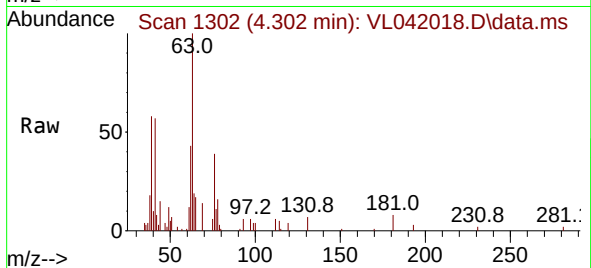
Tgt Ion: 63 Resp: 6948

Ion	Ratio	Lower	Upper
63	100		
41	56.6	60.1	90.1
62	42.7	54.0	81.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 02/17/2025
Supervised By :Mahesh Dadoda 02/17/2025



#40

1,4-Dioxane

Concen: 0.583 ppbv m

RT: 4.587 min Scan# 1390

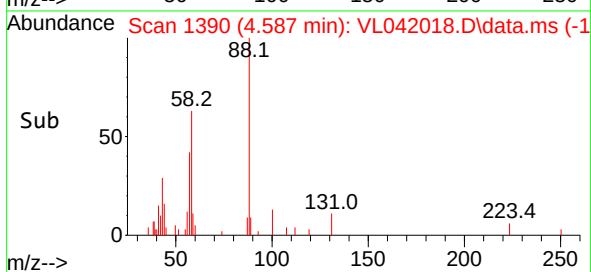
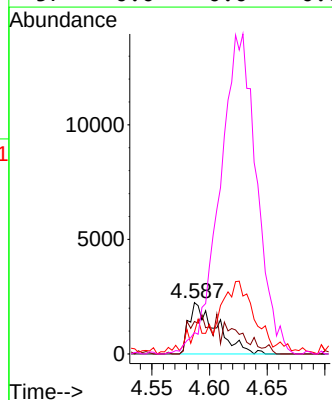
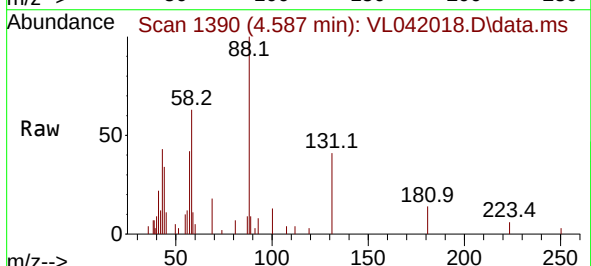
Delta R.T. 0.016 min

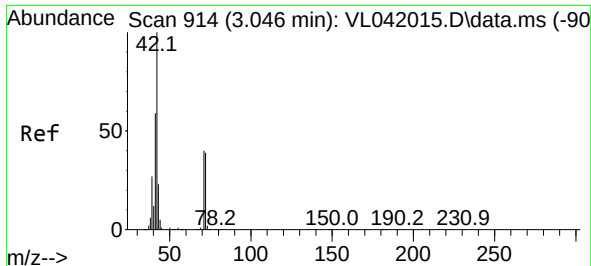
Lab File: VL042018.D

Acq: 14 Feb 2025 13:56

Tgt Ion: 88 Resp: 3751

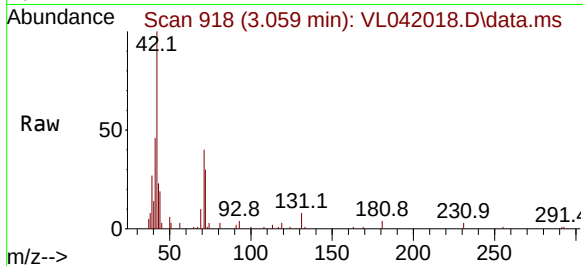
Ion	Ratio	Lower	Upper
88	100		
58	3.7	58.1	87.1
43	24.0	27.3	40.9
57	0.0	0.0	0.0





#41
Tetrahydrofuran
Concen: 0.543 ppbv
RT: 3.059 min Scan# 914
Delta R.T. 0.013 min
Lab File: VL042018.D
Acq: 14 Feb 2025 13:56

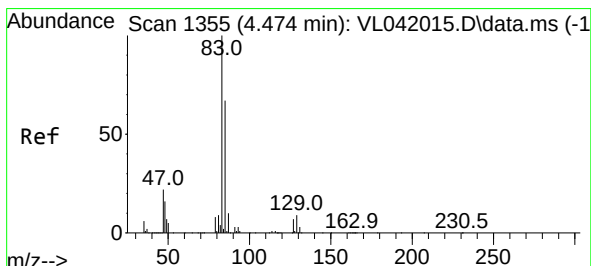
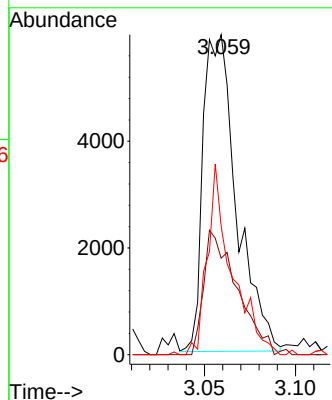
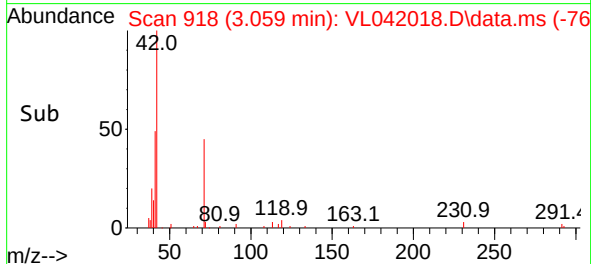
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5



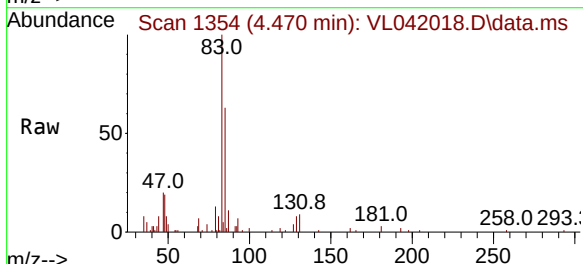
Tgt Ion: 42 Resp: 763
Ion Ratio Lower Upper
42 100
72 39.4 32.3 48.5
71 43.9 30.9 46.3

Manual Integrations
APPROVED

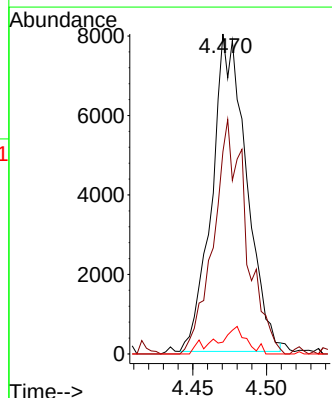
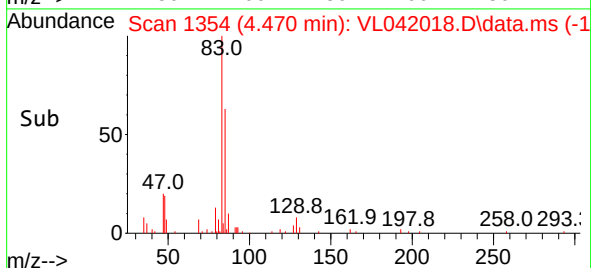
Reviewed By :Semsettin Yesilyurt 02/17/2025
Supervised By :Mahesh Dadoda 02/17/2025

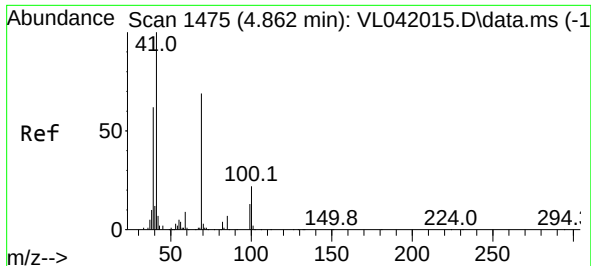


#42
Bromodichloromethane
Concen: 0.499 ppbv
RT: 4.470 min Scan# 1354
Delta R.T. -0.003 min
Lab File: VL042018.D
Acq: 14 Feb 2025 13:56



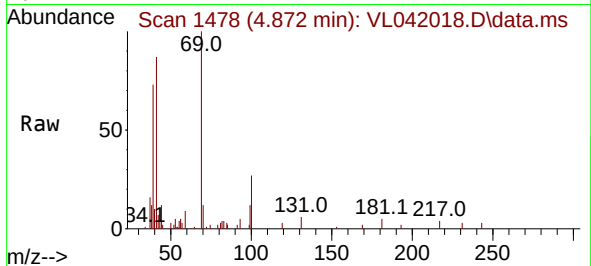
Tgt Ion: 83 Resp: 13050
Ion Ratio Lower Upper
83 100
85 63.7 53.3 79.9
127 3.7 6.0 9.0#





#43
Methyl Methacrylate
Concen: 0.587 ppbv m
RT: 4.872 min Scan# 1475
Delta R.T. 0.010 min
Lab File: VL042018.D
Acq: 14 Feb 2025 13:56

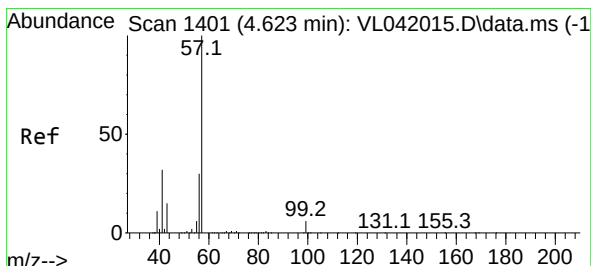
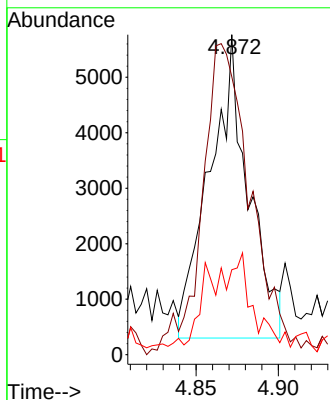
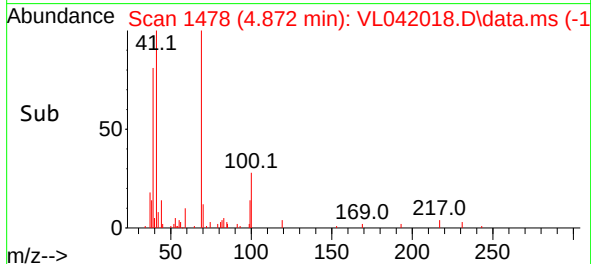
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5



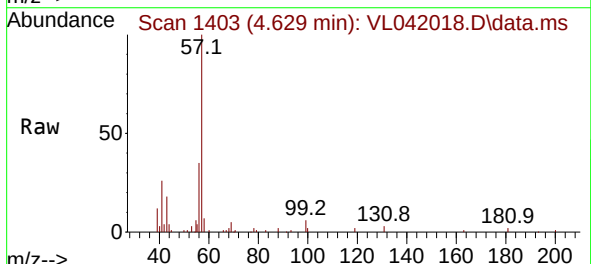
Tgt Ion: 69 Resp: 8952
Ion Ratio Lower Upper
69 100
41 128.1 114.9 172.3
100 0.0 28.8 43.2

Manual Integrations
APPROVED

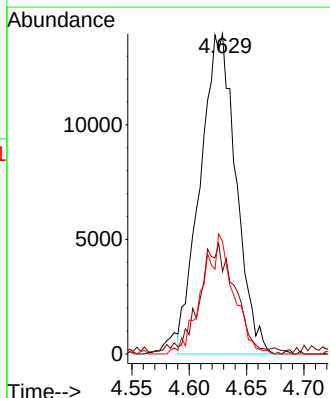
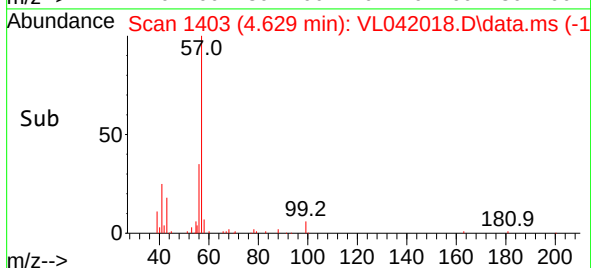
Reviewed By :Semsettin Yesilyurt 02/17/2025
Supervised By :Mahesh Dadoda 02/17/2025

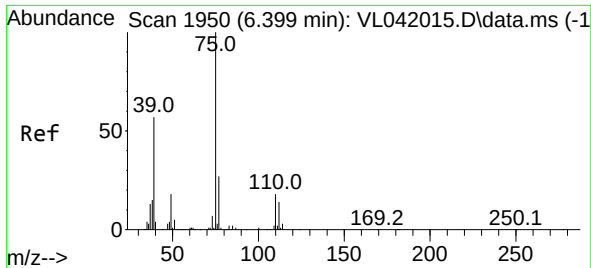


#44
2,2,4-Trimethylpentane
Concen: 0.527 ppbv
RT: 4.629 min Scan# 1403
Delta R.T. 0.006 min
Lab File: VL042018.D
Acq: 14 Feb 2025 13:56



Tgt Ion: 57 Resp: 30320
Ion Ratio Lower Upper
57 100
41 36.2 25.9 38.9
56 32.9 24.9 37.3





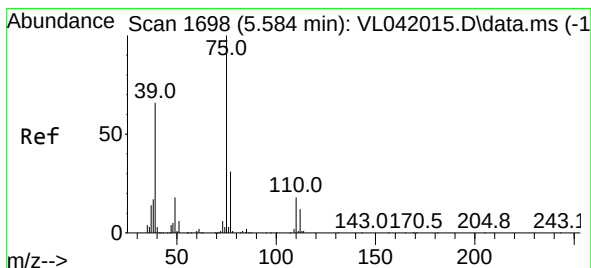
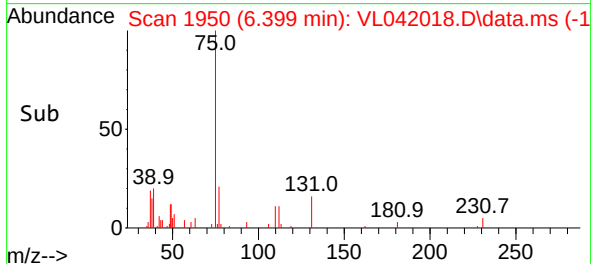
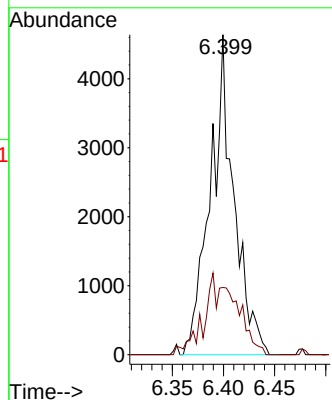
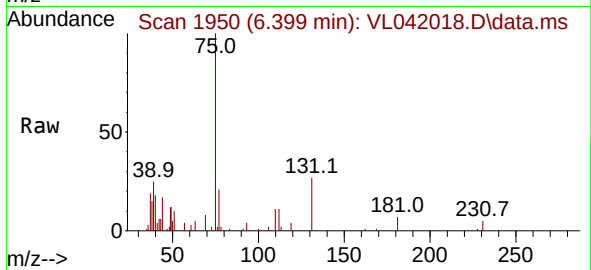
#45
 t-1,3-Dichloropropene
 Concen: 0.509 ppbv m
 RT: 6.399 min Scan# 1950
 Delta R.T. -0.000 min
 Lab File: VL042018.D
 Acq: 14 Feb 2025 13:56

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tgt Ion: 75 Resp: 744
 Ion Ratio Lower Upper
 75 100
 77 21.0 22.1 33.1

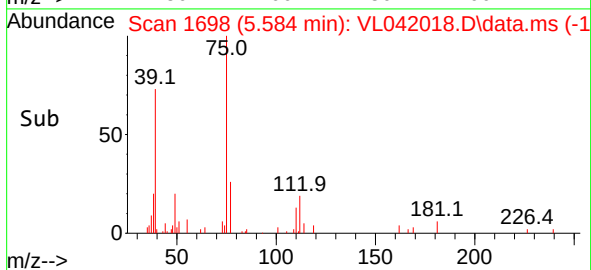
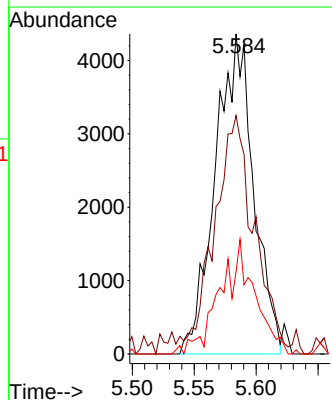
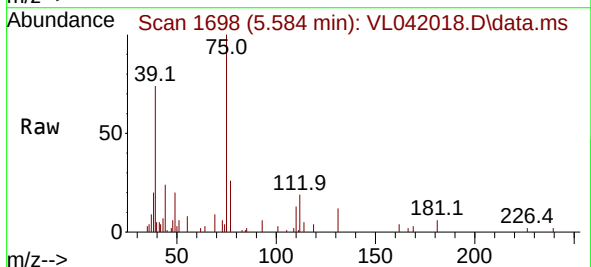
Manual Integrations
 APPROVED

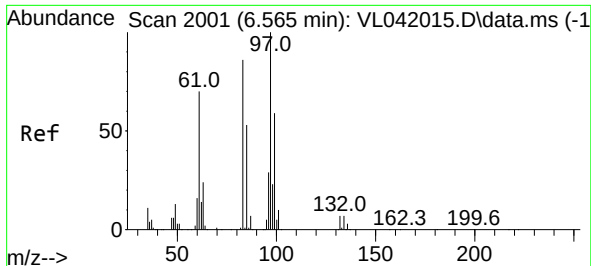
Reviewed By :Semsettin Yesilyurt 02/17/2025
 Supervised By :Mahesh Dadoda 02/17/2025



#46
 cis-1,3-Dichloropropene
 Concen: 0.507 ppbv
 RT: 5.584 min Scan# 1698
 Delta R.T. -0.000 min
 Lab File: VL042018.D
 Acq: 14 Feb 2025 13:56

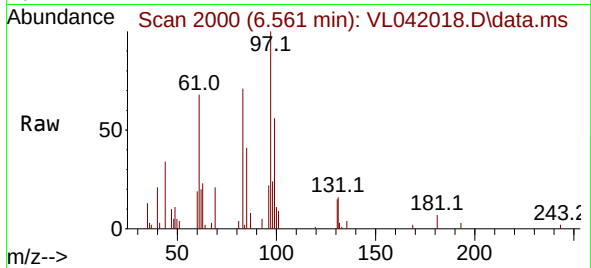
Tgt Ion: 75 Resp: 9394
 Ion Ratio Lower Upper
 75 100
 39 69.0 52.2 78.4
 77 23.0 24.5 36.7





#47
1,1,2-Trichloroethane
Concen: 0.538 ppbv m
RT: 6.561 min Scan# 2000
Delta R.T. -0.003 min
Lab File: VL042018.D
Acq: 14 Feb 2025 13:56

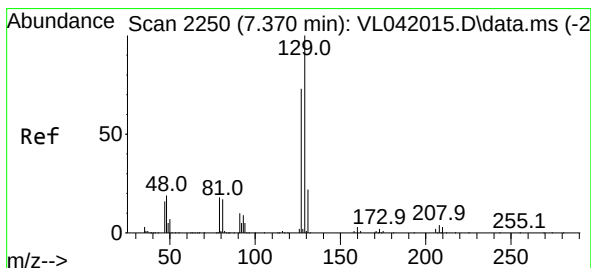
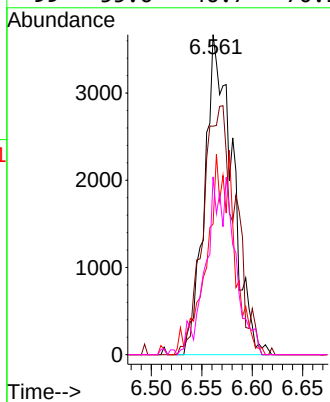
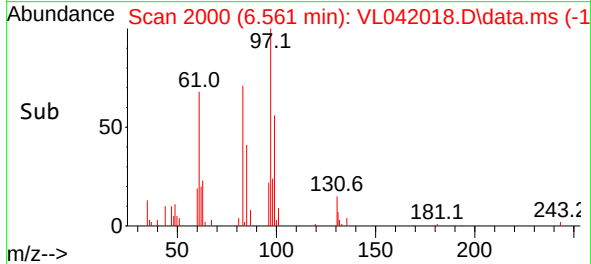
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5



Tgt Ion: 97 Resp: 704
Ion Ratio Lower Upper
97 100
83 71.4 68.6 102.8
85 40.9 42.2 63.4
99 55.6 46.7 70.1

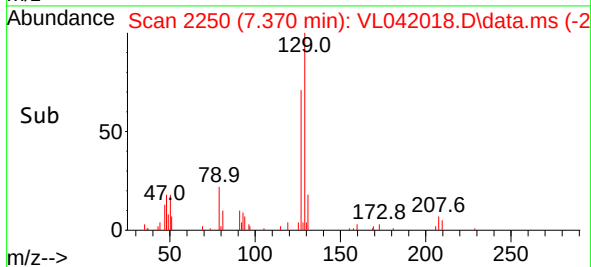
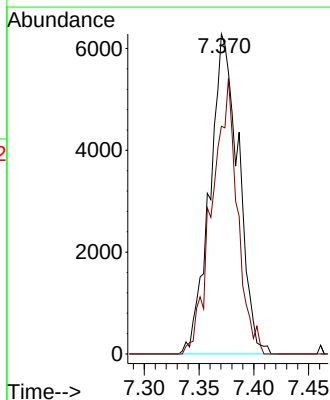
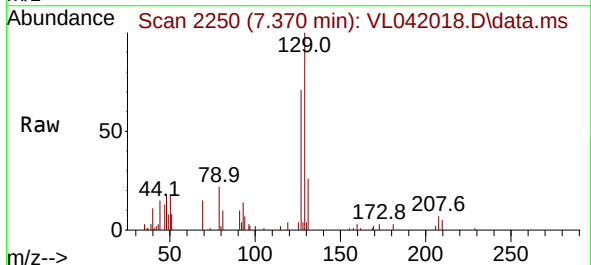
Manual Integrations
APPROVED

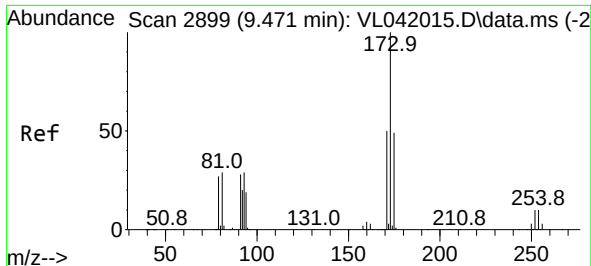
Reviewed By :Semsettin Yesilyurt 02/17/2025
Supervised By :Mahesh Dadoda 02/17/2025



#48
Dibromochloromethane
Concen: 0.525 ppbv m
RT: 7.370 min Scan# 2250
Delta R.T. -0.000 min
Lab File: VL042018.D
Acq: 14 Feb 2025 13:56

Tgt Ion:129 Resp: 11420
Ion Ratio Lower Upper
129 100
127 76.2 38.2 114.6





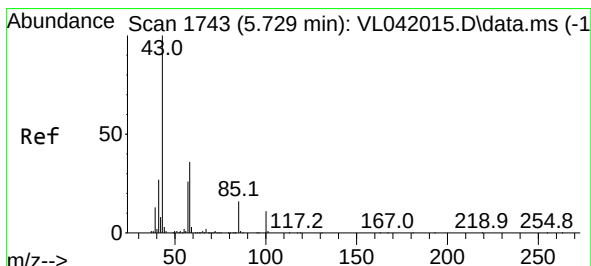
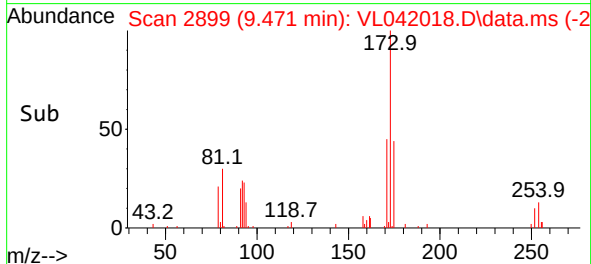
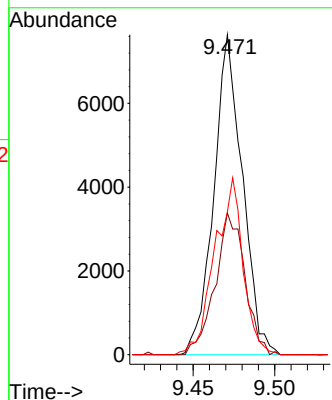
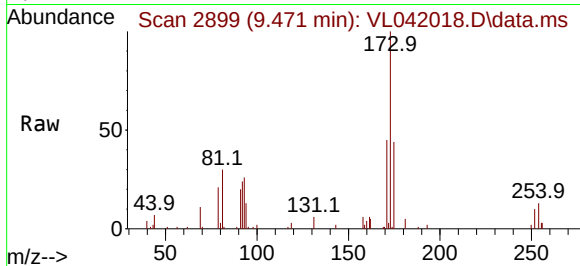
#49
Bromoform
Concen: 0.517 ppbv
RT: 9.471 min Scan# 2899
Delta R.T. -0.000 min
Lab File: VL042018.D
Acq: 14 Feb 2025 13:56

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion:173 Resp: 9300
Ion Ratio Lower Upper
173 100
175 46.2 39.3 58.9
171 54.8 41.4 62.2

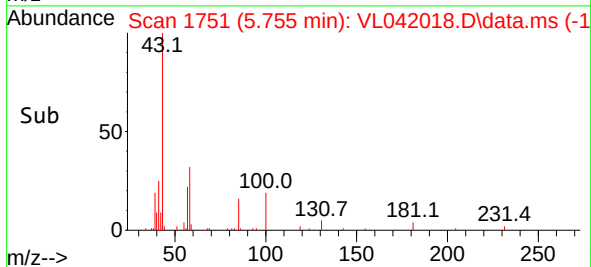
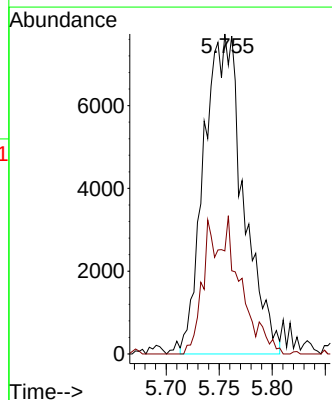
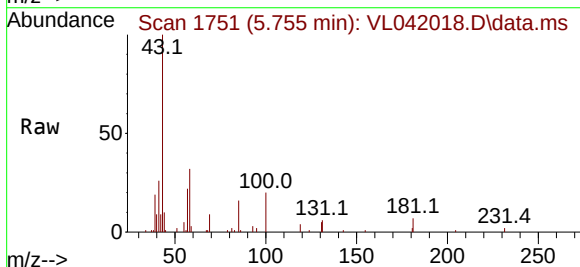
Manual Integrations
APPROVED

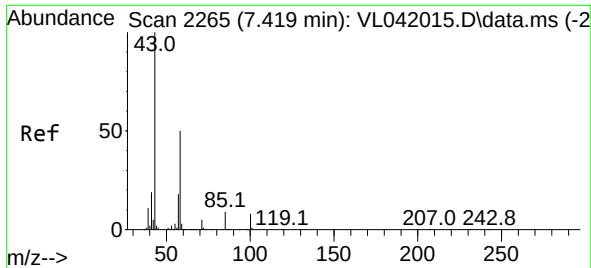
Reviewed By :Semsettin Yesilyurt 02/17/2025
Supervised By :Mahesh Dadoda 02/17/2025



#50
4-Methyl-2-Pentanone
Concen: 0.536 ppbv m
RT: 5.755 min Scan# 1751
Delta R.T. 0.026 min
Lab File: VL042018.D
Acq: 14 Feb 2025 13:56

Tgt Ion: 43 Resp: 20054
Ion Ratio Lower Upper
43 100
58 0.0 29.4 44.0#





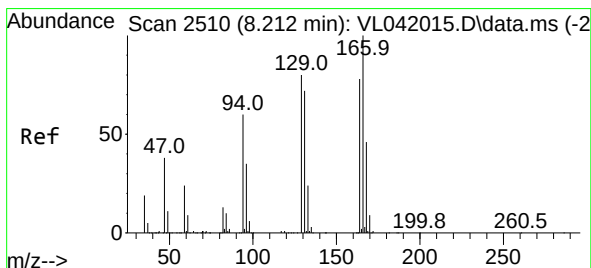
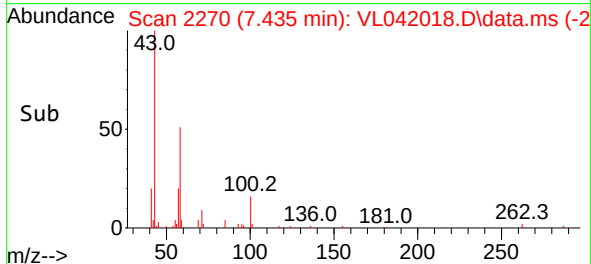
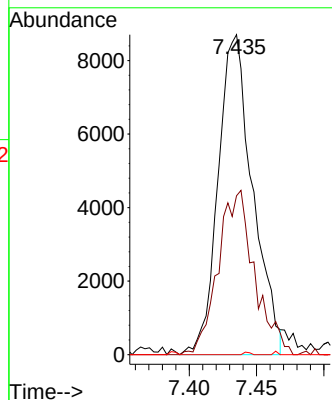
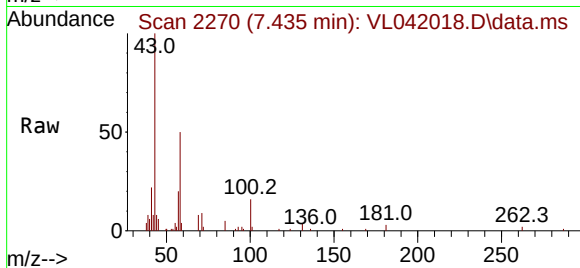
#51
2-Hexanone
Concen: 0.506 ppbv
RT: 7.435 min Scan# 2108
Delta R.T. 0.016 min
Lab File: VL042018.D
Acq: 14 Feb 2025 13:56

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tgt Ion: 43 Resp: 1552
Ion Ratio Lower Upper
43 100
58 54.5 41.4 62.0
98 0.3 0.0 0.0

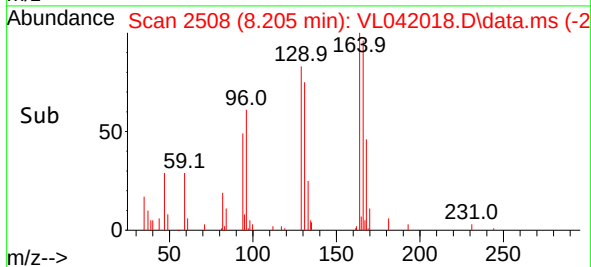
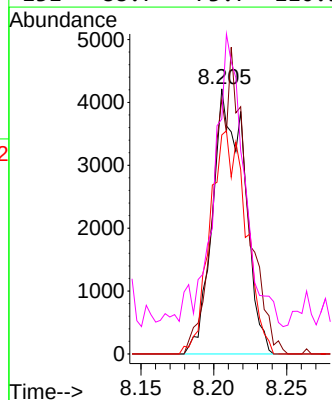
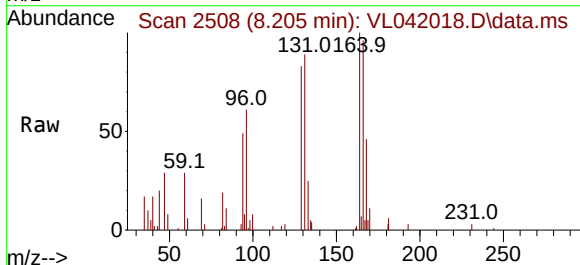
Manual Integrations
APPROVED

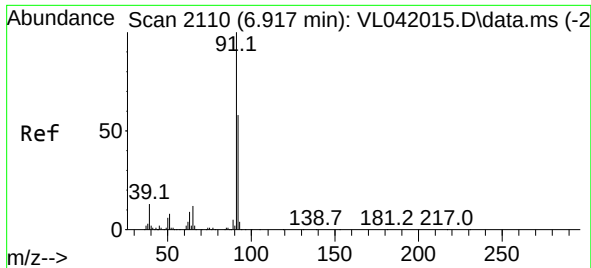
Reviewed By :Semsettin Yesilyurt 02/17/2025
Supervised By :Mahesh Dadoda 02/17/2025



#52
Tetrachloroethene
Concen: 0.542 ppbv m
RT: 8.205 min Scan# 2508
Delta R.T. -0.007 min
Lab File: VL042018.D
Acq: 14 Feb 2025 13:56

Tgt Ion:164 Resp: 6421
Ion Ratio Lower Upper
164 100
166 95.9 102.2 153.2#
129 82.6 82.2 123.4
131 88.7 73.7 110.5





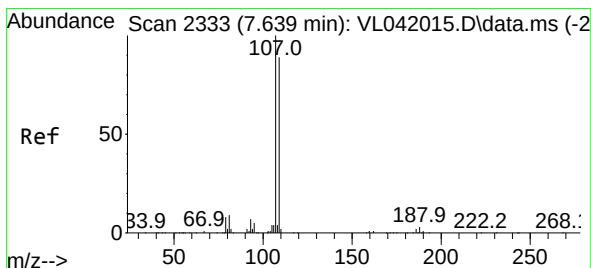
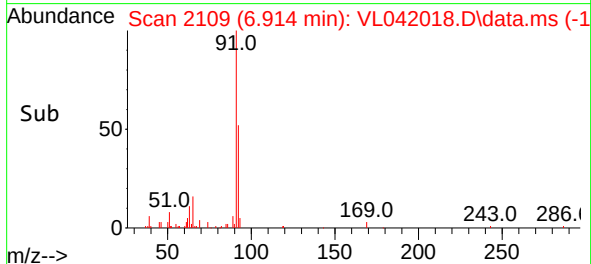
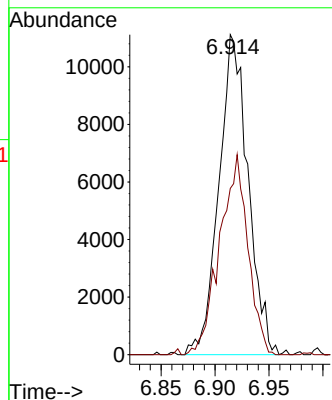
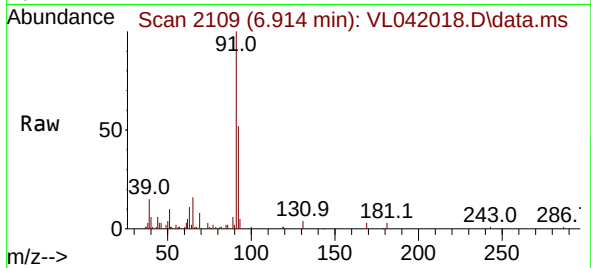
#53
Toluene
Concen: 0.521 ppbv m
RT: 6.914 min Scan# 2110
Delta R.T. -0.003 min
Lab File: VL042018.D
Acq: 14 Feb 2025 13:56

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tgt Ion: 91 Resp: 2091
Ion Ratio Lower Upper
91 100
92 60.7 47.5 71.3

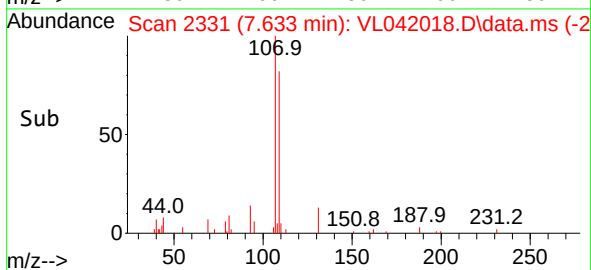
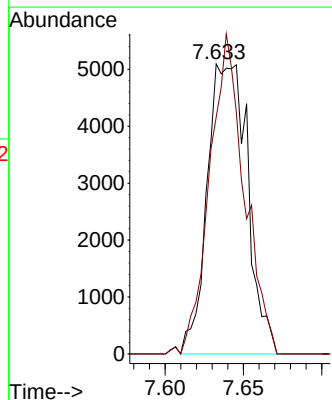
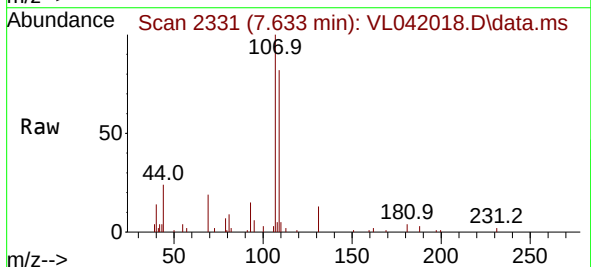
Manual Integrations
APPROVED

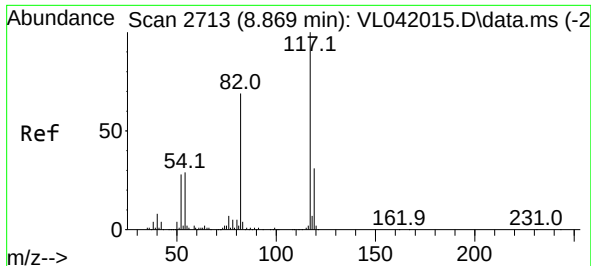
Reviewed By :Semsettin Yesilyurt 02/17/2025
Supervised By :Mahesh Dadoda 02/17/2025



#54
1,2-Dibromoethane
Concen: 0.500 ppbv m
RT: 7.633 min Scan# 2331
Delta R.T. -0.006 min
Lab File: VL042018.D
Acq: 14 Feb 2025 13:56

Tgt Ion:107 Resp: 9127
Ion Ratio Lower Upper
107 100
109 81.6 71.5 107.3





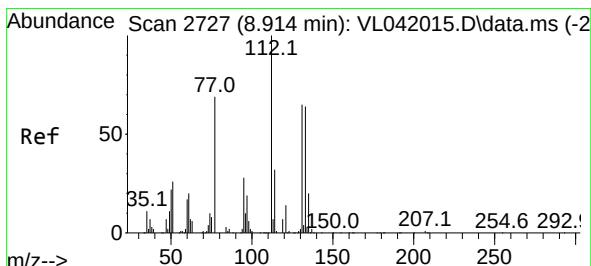
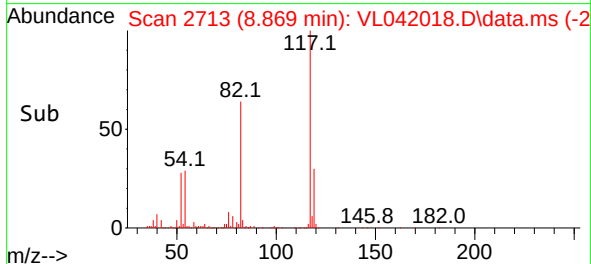
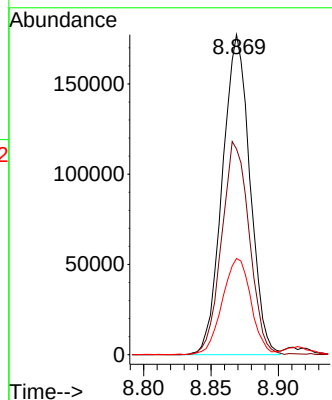
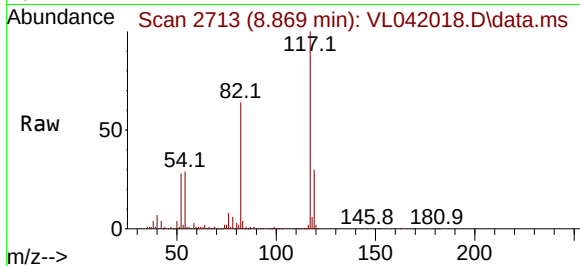
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.869 min Scan# 2713
Delta R.T. -0.000 min
Lab File: VL042018.D
Acq: 14 Feb 2025 13:56

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tgt Ion:117 Resp: 251709
Ion Ratio Lower Upper
117 100
82 67.3 55.7 83.5
119 31.9 25.2 37.8

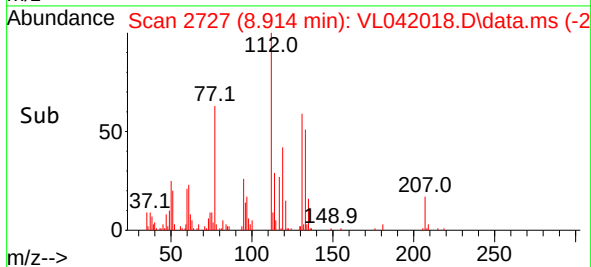
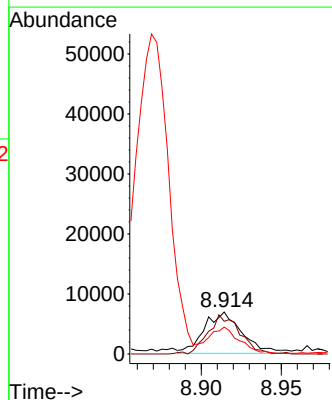
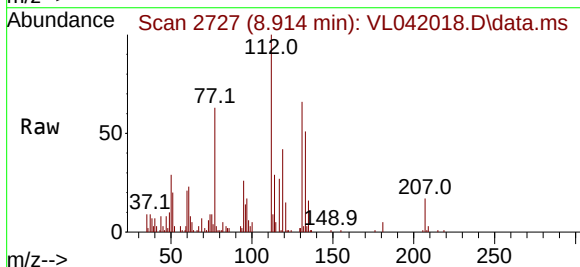
Manual Integrations
APPROVED

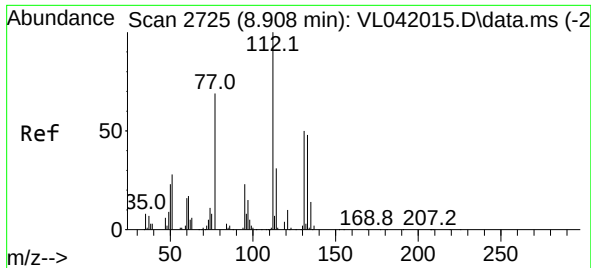
Reviewed By :Semsettin Yesilyurt 02/17/2025
Supervised By :Mahesh Dadoda 02/17/2025



#56
1,1,1,2-Tetrachloroethane
Concen: 0.629 ppbv m
RT: 8.914 min Scan# 2727
Delta R.T. -0.000 min
Lab File: VL042018.D
Acq: 14 Feb 2025 13:56

Tgt Ion:131 Resp: 11304
Ion Ratio Lower Upper
131 100
133 80.2 77.8 116.8
119 46.8 49.1 73.7#





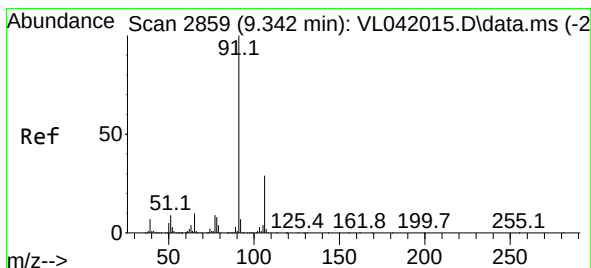
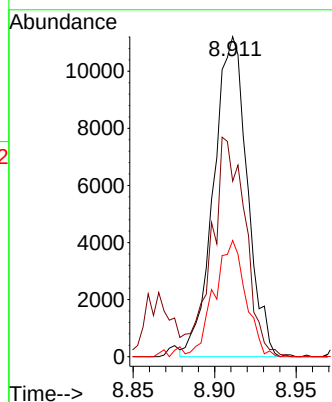
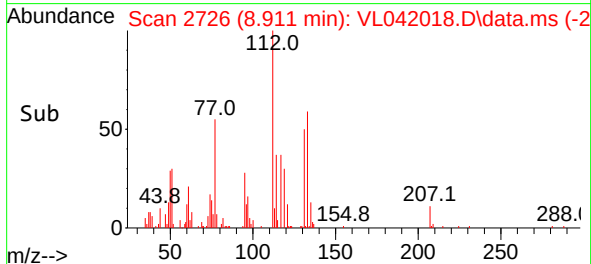
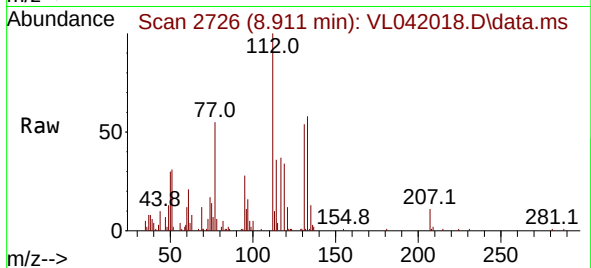
#57
Chlorobenzene
Concen: 0.542 ppbv
RT: 8.911 min Scan# 21
Delta R.T. 0.003 min
Lab File: VL042018.D
Acq: 14 Feb 2025 13:56

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion:112 Resp: 16052
Ion Ratio Lower Upper
112 100
77 54.2 56.2 84.2
114 36.3 28.2 34.4

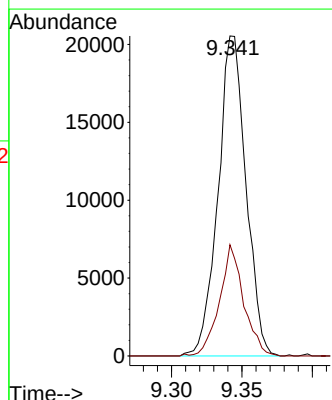
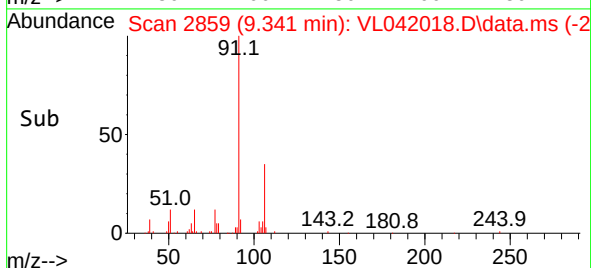
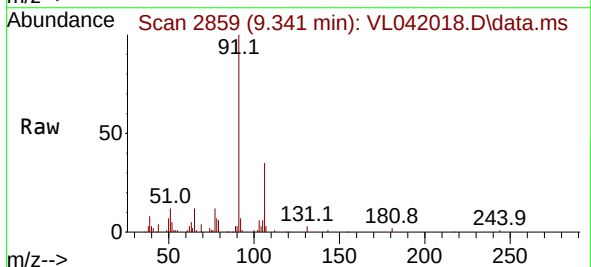
Manual Integrations
APPROVED

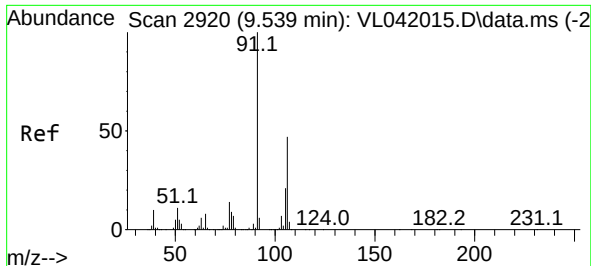
Reviewed By :Semsettin Yesilyurt 02/17/2025
Supervised By :Mahesh Dadoda 02/17/2025



#58
Ethyl Benzene
Concen: 0.516 ppbv
RT: 9.341 min Scan# 2859
Delta R.T. -0.000 min
Lab File: VL042018.D
Acq: 14 Feb 2025 13:56

Tgt Ion: 91 Resp: 28422
Ion Ratio Lower Upper
91 100
106 34.7 23.1 34.7





#59

m/p-Xylene

Concen: 1.053 ppbv m

RT: 9.542 min Scan# 2920

Delta R.T. 0.003 min

Lab File: VL042018.D

Acq: 14 Feb 2025 13:56

Instrument :

MSVOA_L

ClientSampleId :

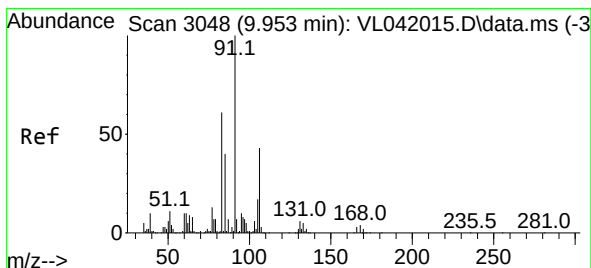
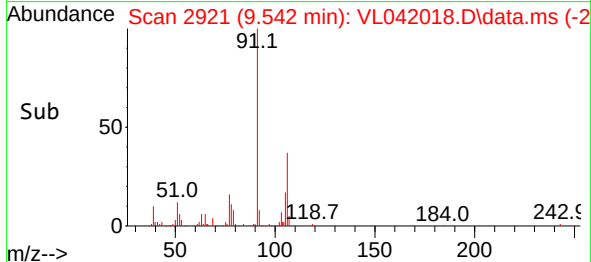
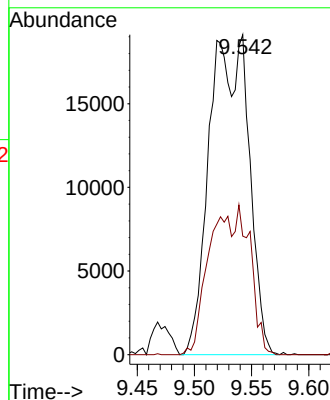
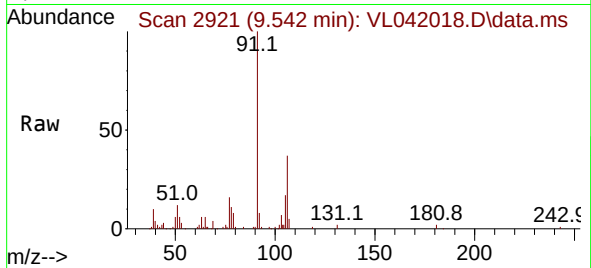
VSTDIC0.5

Tgt Ion: 91 Resp: 45734
 Ion Ratio Lower Upper
 91 100
 106 47.8 35.8 53.8

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 02/17/2025
 Supervised By :Mahesh Dadoda 02/17/2025



#60

o-Xylene

Concen: 0.531 ppbv

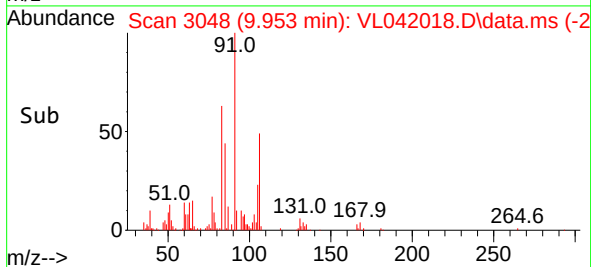
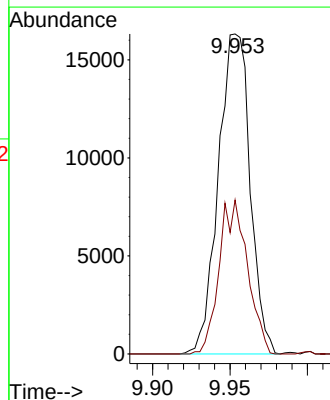
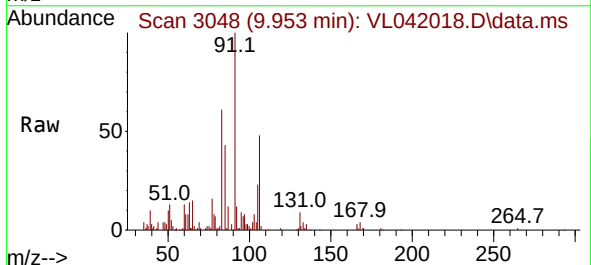
RT: 9.953 min Scan# 3048

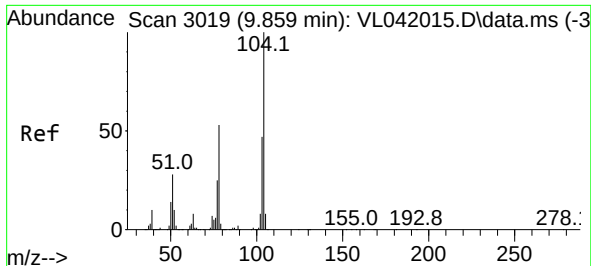
Delta R.T. -0.000 min

Lab File: VL042018.D

Acq: 14 Feb 2025 13:56

Tgt Ion: 91 Resp: 23290
 Ion Ratio Lower Upper
 91 100
 106 43.0 21.4 64.3





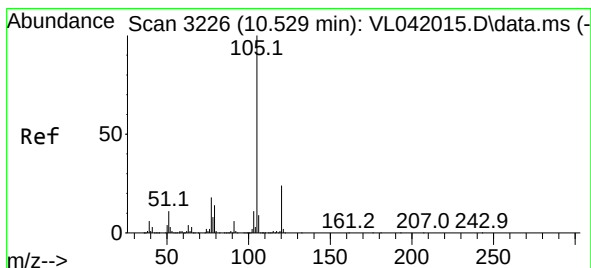
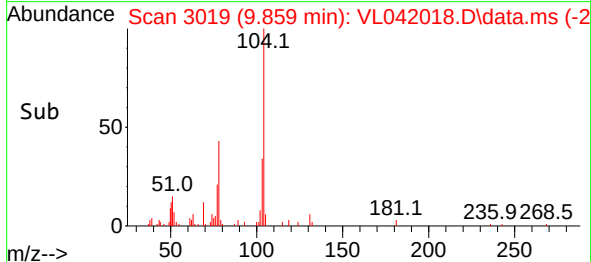
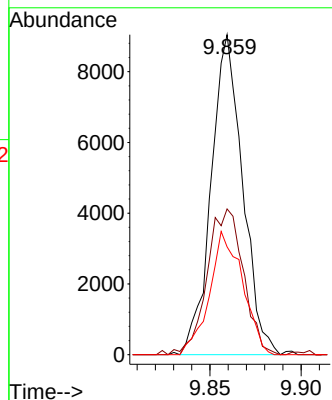
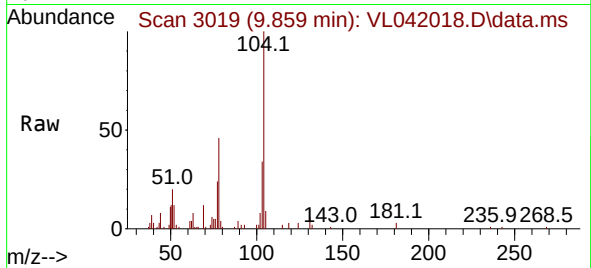
#61
Styrene
Concen: 0.518 ppbv
RT: 9.859 min Scan# 3019
Delta R.T. -0.000 min
Lab File: VL042018.D
Acq: 14 Feb 2025 13:56

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tgt Ion:104 Resp: 10850
Ion Ratio Lower Upper
104 100
78 53.2 42.2 63.4
103 40.6 38.1 57.1

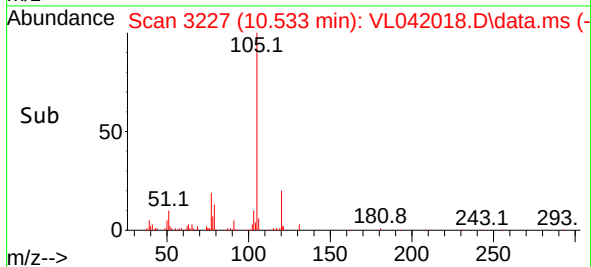
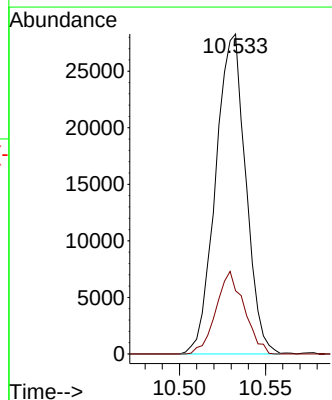
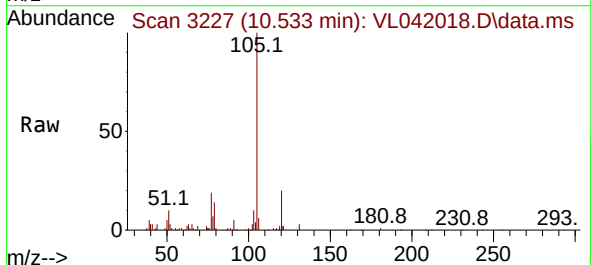
Manual Integrations
APPROVED

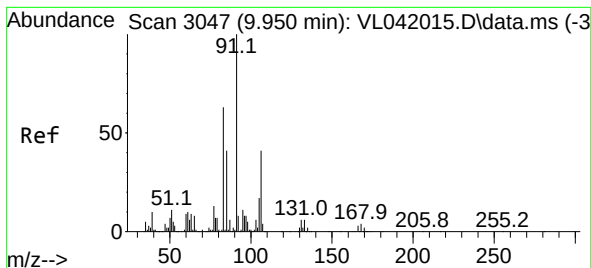
Reviewed By :Semsettin Yesilyurt 02/17/2025
Supervised By :Mahesh Dadoda 02/17/2025



#62
Isopropylbenzene
Concen: 0.523 ppbv
RT: 10.533 min Scan# 3227
Delta R.T. 0.003 min
Lab File: VL042018.D
Acq: 14 Feb 2025 13:56

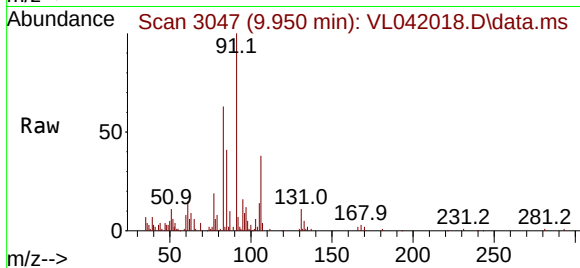
Tgt Ion:105 Resp: 34447
Ion Ratio Lower Upper
105 100
120 24.2 19.8 29.8





#63
1,1,2,2-Tetrachloroethane
Concen: 0.498 ppbv
RT: 9.950 min Scan# 3047
Delta R.T. -0.000 min
Lab File: VL042018.D
Acq: 14 Feb 2025 13:56

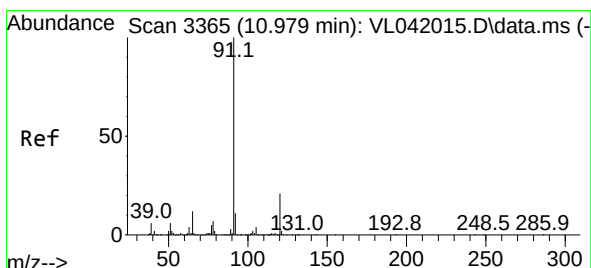
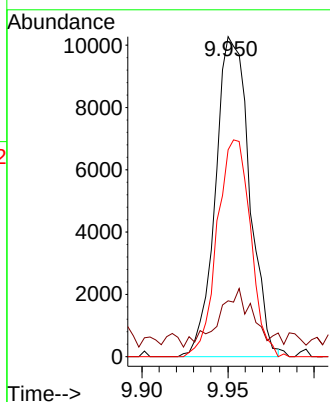
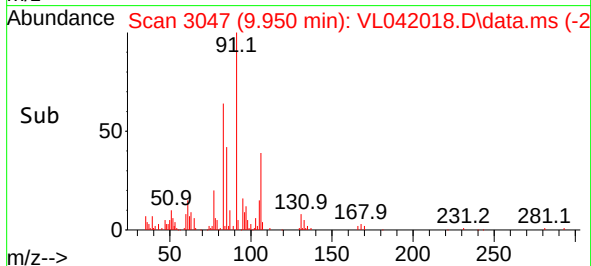
Instrument : MSVOA_L
ClientSampleId : VSTDIC0.5



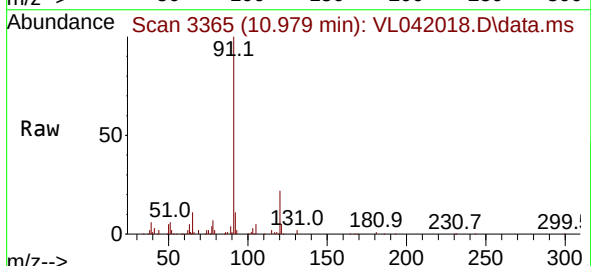
Tgt Ion: 83 Resp: 1408
Ion Ratio Lower Upper
83 100
131 24.3 5.0 15.0
85 66.7 32.1 96.3

Manual Integrations
APPROVED

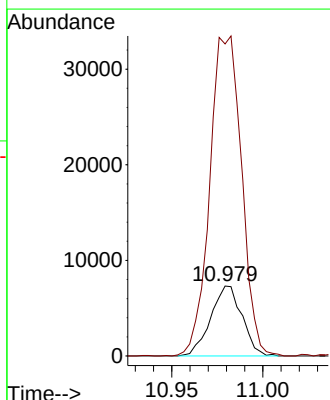
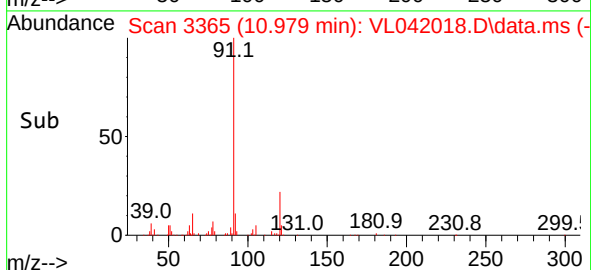
Reviewed By :Semsettin Yesilyurt 02/17/2025
Supervised By :Mahesh Dadoda 02/17/2025

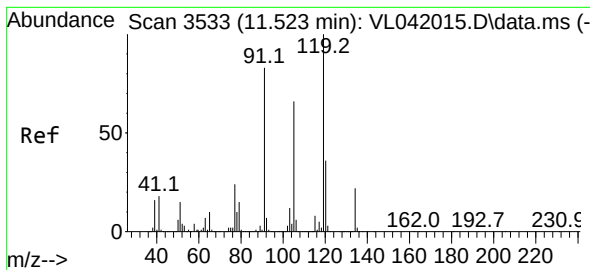


#64
n-propylbenzene
Concen: 0.540 ppbv
RT: 10.979 min Scan# 3365
Delta R.T. -0.000 min
Lab File: VL042018.D
Acq: 14 Feb 2025 13:56



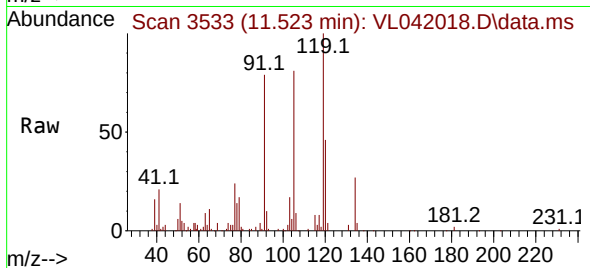
Tgt Ion:120 Resp: 8738
Ion Ratio Lower Upper
120 100
91 466.9 392.2 588.2





#65
tert-Butylbenzene
Concen: 0.534 ppbv
RT: 11.523 min Scan# 3533
Delta R.T. -0.000 min
Lab File: VL042018.D
Acq: 14 Feb 2025 13:56

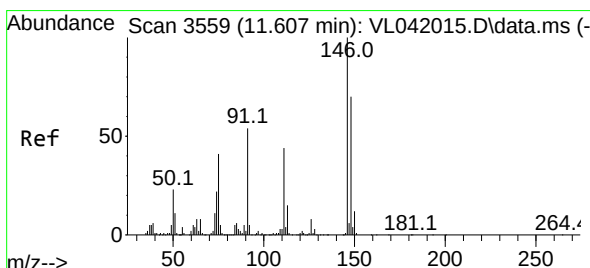
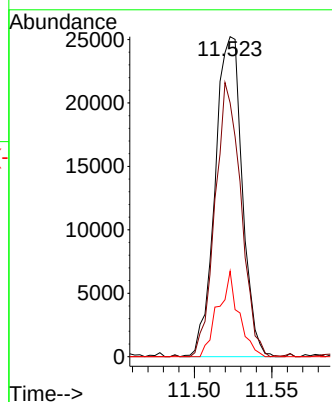
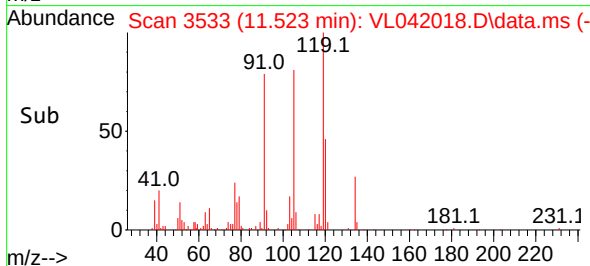
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.5



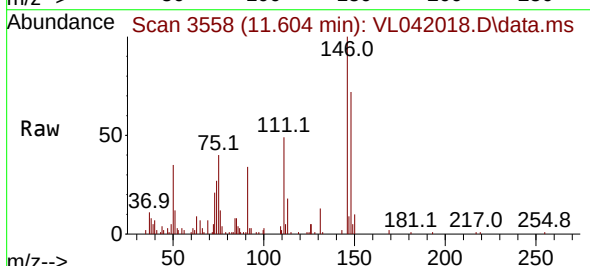
Tgt Ion: 119 Resp: 30694
Ion Ratio Lower Upper
119 100
91 81.7 66.5 99.7
134 20.3 16.6 24.8

Manual Integrations
APPROVED

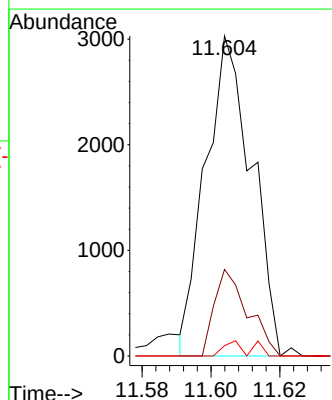
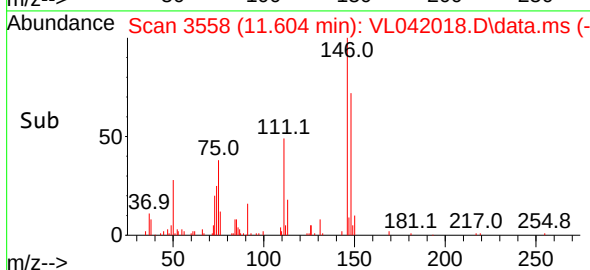
Reviewed By :Semsettin Yesilyurt 02/17/2025
Supervised By :Mahesh Dadoda 02/17/2025

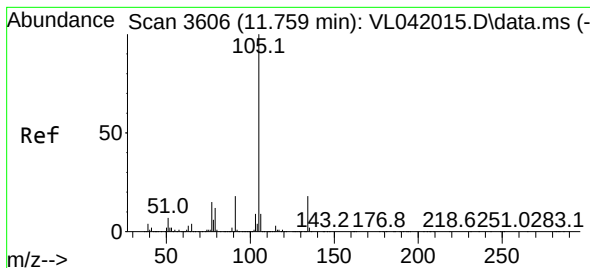


#66
Benzyl Chloride
Concen: 0.486 ppbv
RT: 11.604 min Scan# 3558
Delta R.T. -0.003 min
Lab File: VL042018.D
Acq: 14 Feb 2025 13:56



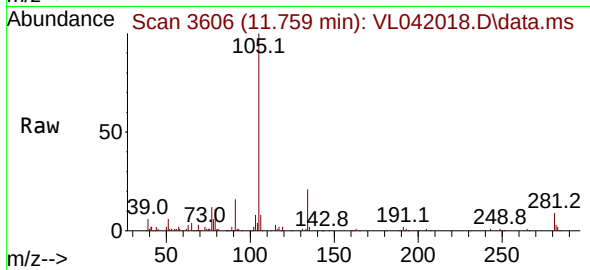
Tgt Ion: 91 Resp: 2816
Ion Ratio Lower Upper
91 100
126 19.6 13.8 20.6
128 2.6 4.1 6.1#





#67
 sec-Butylbenzene
 Concen: 0.535 ppbv
 RT: 11.759 min Scan# 3606
 Delta R.T. -0.000 min
 Lab File: VL042018.D
 Acq: 14 Feb 2025 13:56

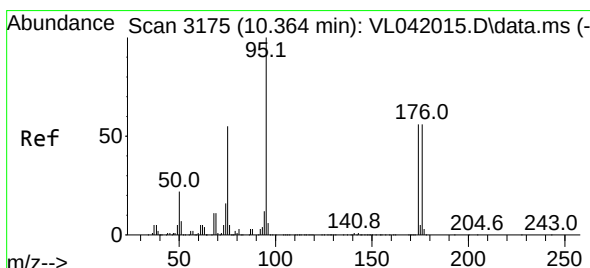
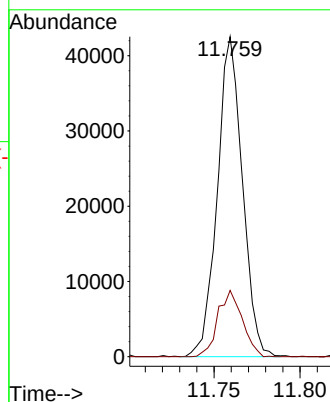
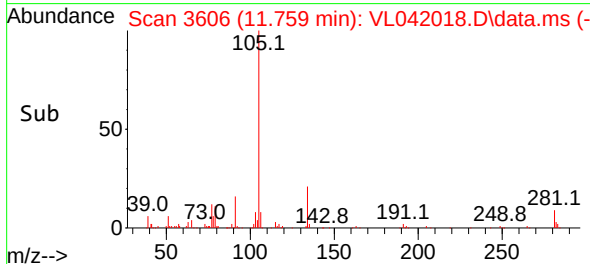
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5



Tgt Ion:105 Resp: 4318
 Ion Ratio Lower Upper
 105 100
 134 20.2 14.7 22.1

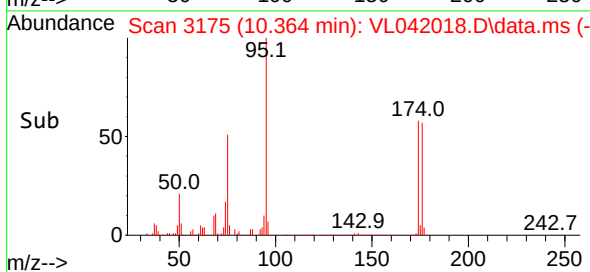
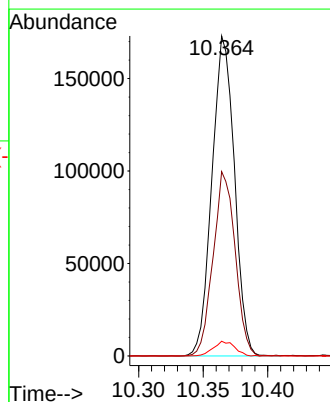
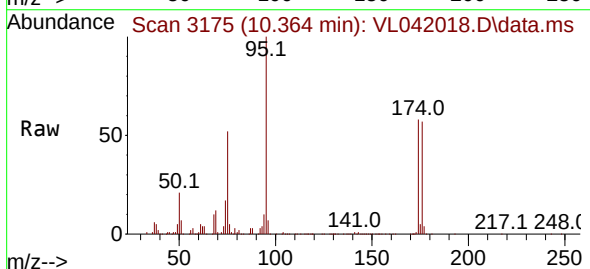
Manual Integrations
 APPROVED

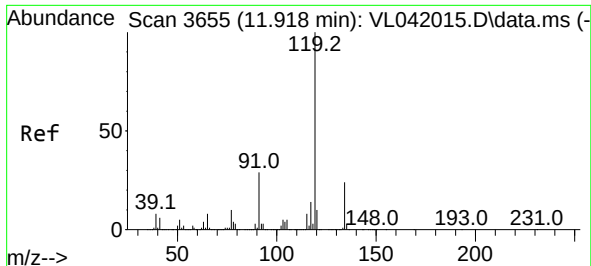
Reviewed By :Semsettin Yesilyurt 02/17/2025
 Supervised By :Mahesh Dadoda 02/17/2025



#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.108 ppbv
 RT: 10.364 min Scan# 3175
 Delta R.T. -0.000 min
 Lab File: VL042018.D
 Acq: 14 Feb 2025 13:56

Tgt Ion: 95 Resp: 209868
 Ion Ratio Lower Upper
 95 100
 174 56.5 46.7 70.1
 175 4.4 3.7 5.5





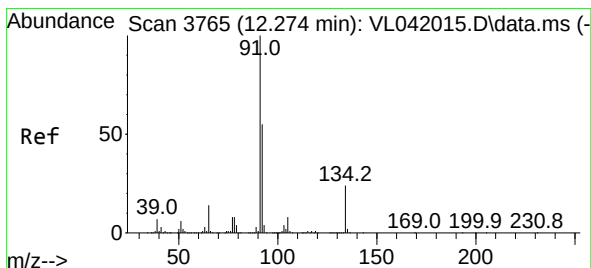
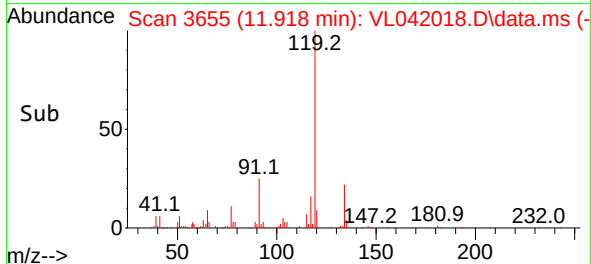
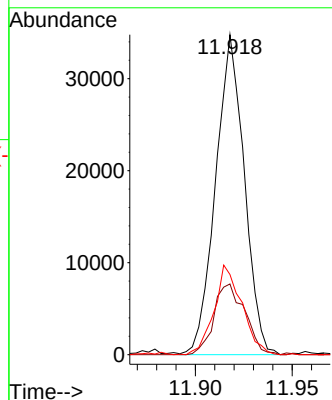
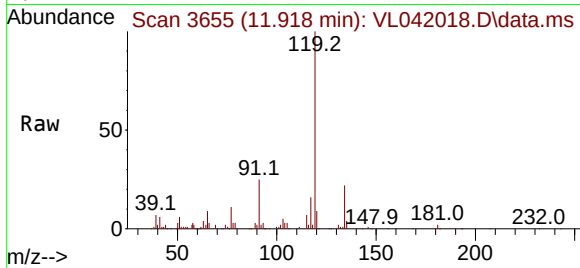
#69
p-Isopropyltoluene
Concen: 0.543 ppbv
RT: 11.918 min Scan# 3655
Delta R.T. -0.000 min
Lab File: VL042018.D
Acq: 14 Feb 2025 13:56

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tgt Ion:119 Resp: 35830
Ion Ratio Lower Upper
119 100
134 24.1 19.4 29.0
91 27.6 23.4 35.2

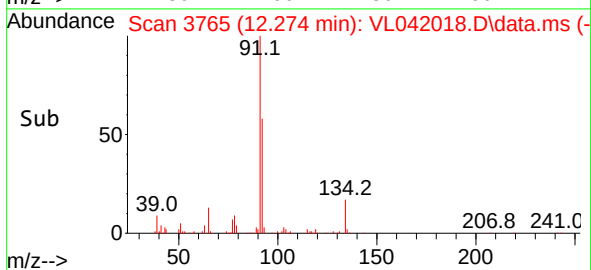
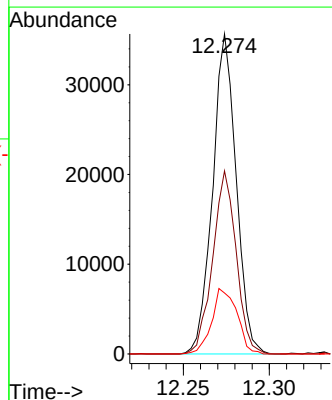
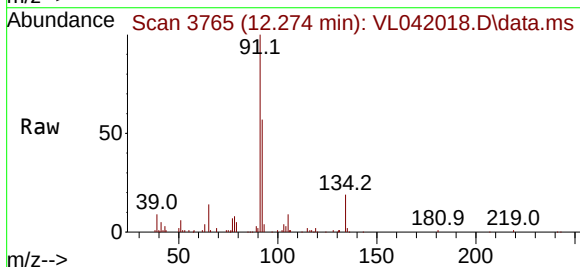
Manual Integrations
APPROVED

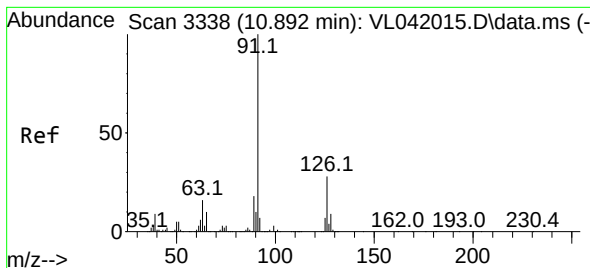
Reviewed By :Semsettin Yesilyurt 02/17/2025
Supervised By :Mahesh Dadoda 02/17/2025



#70
n-Butylbenzene
Concen: 0.522 ppbv
RT: 12.274 min Scan# 3765
Delta R.T. -0.000 min
Lab File: VL042018.D
Acq: 14 Feb 2025 13:56

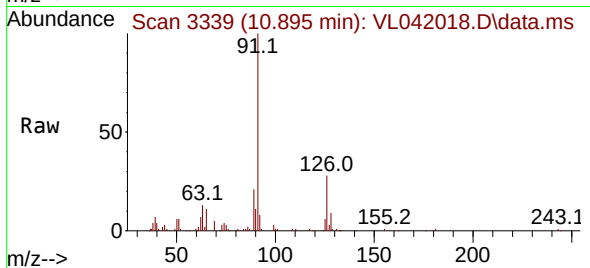
Tgt Ion: 91 Resp: 33989
Ion Ratio Lower Upper
91 100
92 56.9 43.8 65.8
134 21.9 18.6 27.8





#71
2-Chlorotoluene
Concen: 0.546 ppbv
RT: 10.895 min Scan# 31
Delta R.T. 0.003 min
Lab File: VL042018.D
Acq: 14 Feb 2025 13:56

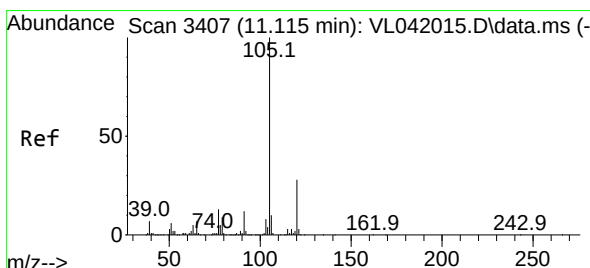
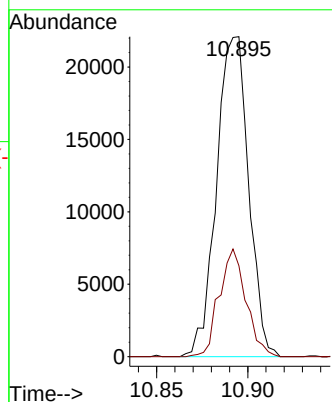
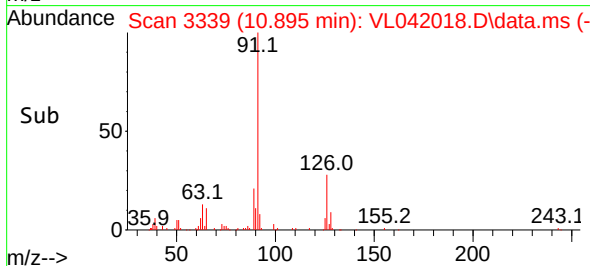
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5



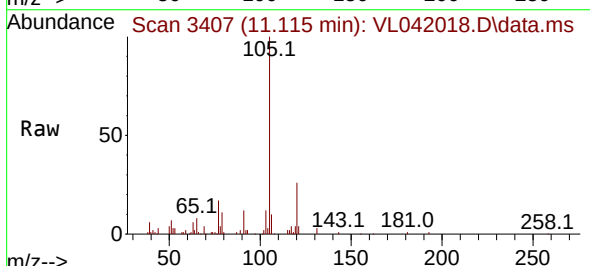
Tgt Ion: 91 Resp: 27104
Ion Ratio Lower Upper
91 100
126 28.1 11.2 45.0

Manual Integrations
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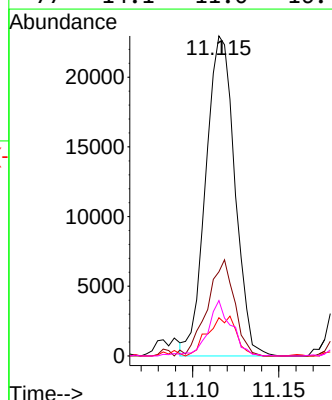
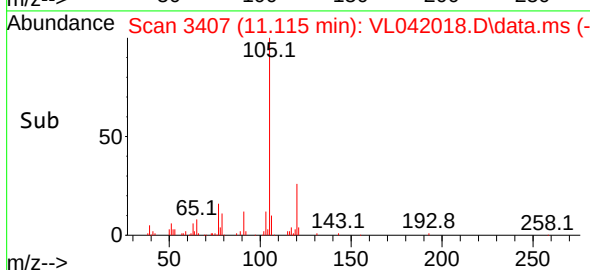
Reviewed By :Semsettin Yesilyurt 02/17/2025
Supervised By :Mahesh Dadoda 02/17/2025

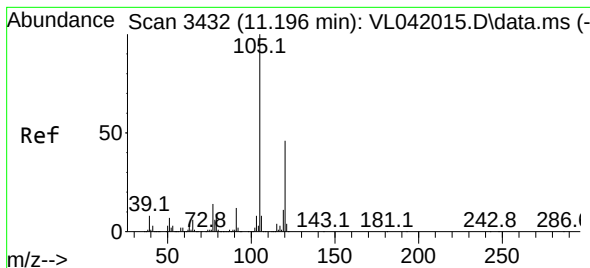


#72
4-Ethyltoluene
Concen: 0.523 ppbv
RT: 11.115 min Scan# 3407
Delta R.T. -0.000 min
Lab File: VL042018.D
Acq: 14 Feb 2025 13:56



Tgt Ion:105 Resp: 26931
Ion Ratio Lower Upper
105 100
120 28.9 22.7 34.1
91 13.3 10.2 15.2
77 14.1 11.0 16.4





#73

1,3,5-Trimethylbenzene

Concen: 0.533 ppbv

RT: 11.196 min Scan# 3432

Delta R.T. -0.000 min

Lab File: VL042018.D

Acq: 14 Feb 2025 13:56

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC0.5

Tgt Ion:105 Resp: 23624

Ion Ratio Lower Upper

105 100

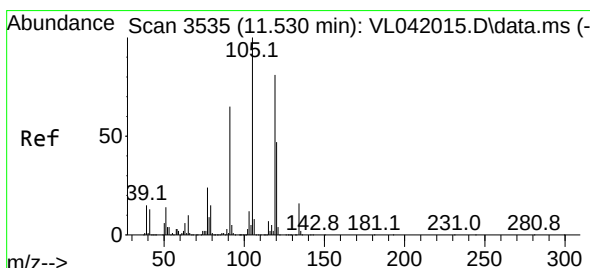
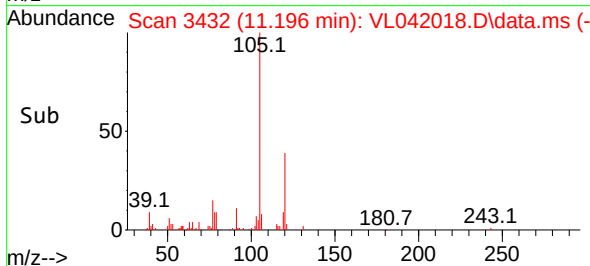
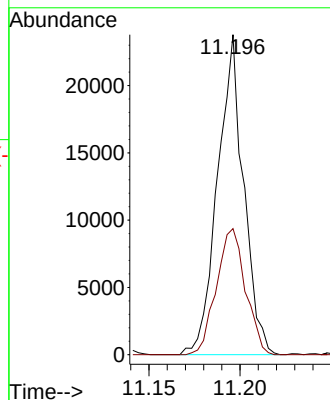
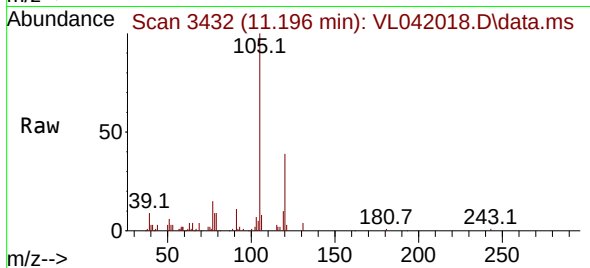
120 39.4 37.1 55.7

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 02/17/2025

Supervised By :Mahesh Dadoda 02/17/2025



#74

1,2,4-Trimethylbenzene

Concen: 0.531 ppbv

RT: 11.526 min Scan# 3534

Delta R.T. -0.003 min

Lab File: VL042018.D

Acq: 14 Feb 2025 13:56

Tgt Ion:105 Resp: 25288

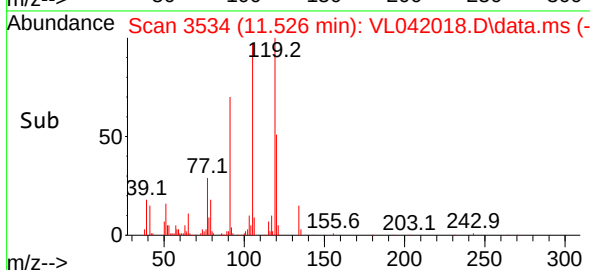
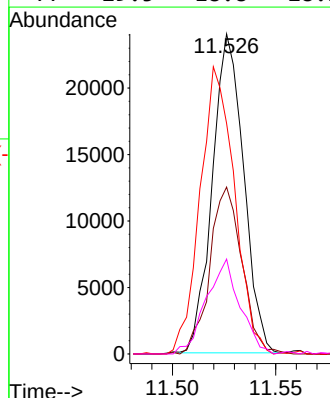
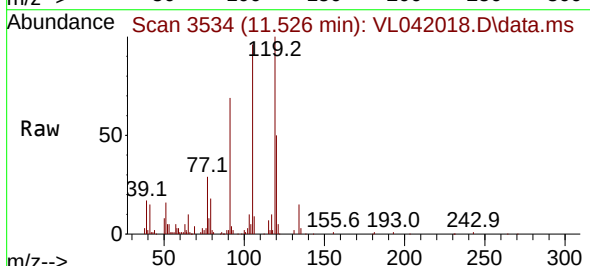
Ion Ratio Lower Upper

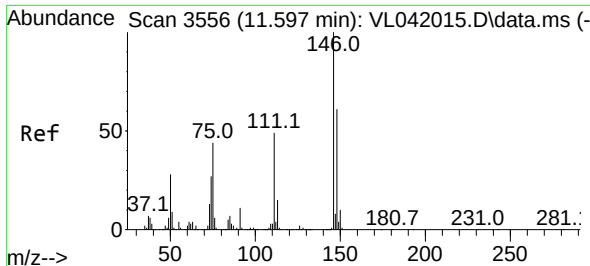
105 100

120 51.9 37.5 56.3

91 71.9 51.7 77.5

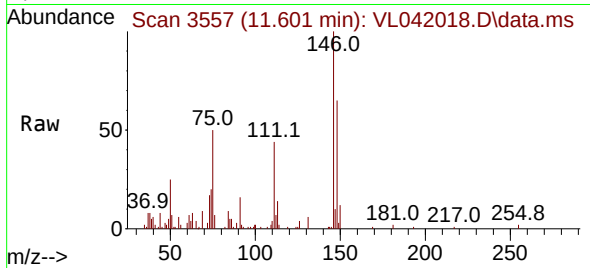
77 29.5 18.8 28.2#





#75
1,3-Dichlorobenzene
Concen: 0.521 ppbv
RT: 11.601 min Scan# 3556
Delta R.T. 0.003 min
Lab File: VL042018.D
Acq: 14 Feb 2025 13:56

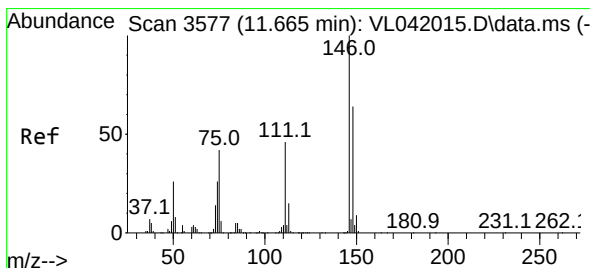
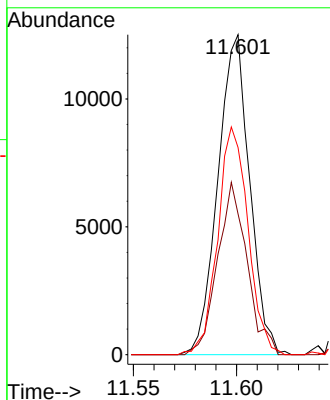
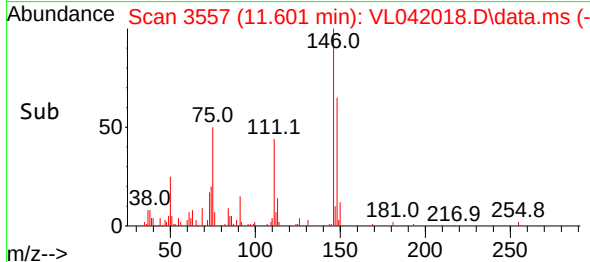
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5



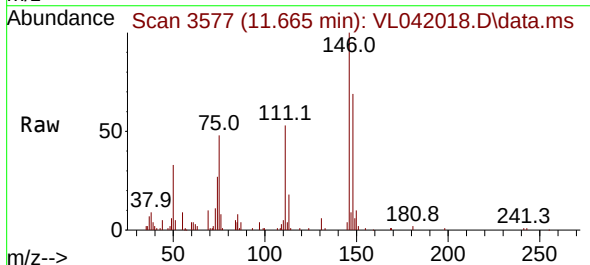
Tgt Ion:146 Resp: 13359
Ion Ratio Lower Upper
146 100
111 50.1 23.9 71.7
148 68.2 31.5 94.5

Manual Integrations
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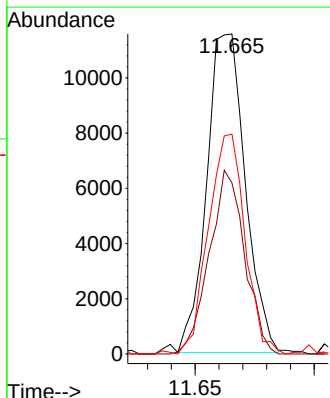
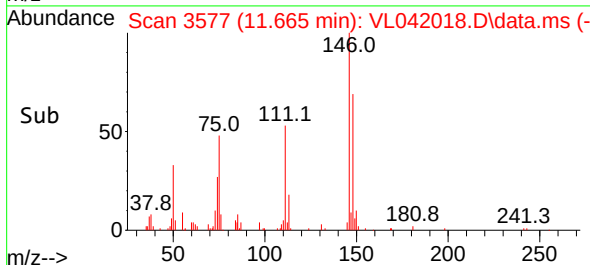
Reviewed By :Semsettin Yesilyurt 02/17/2025
Supervised By :Mahesh Dadoda 02/17/2025

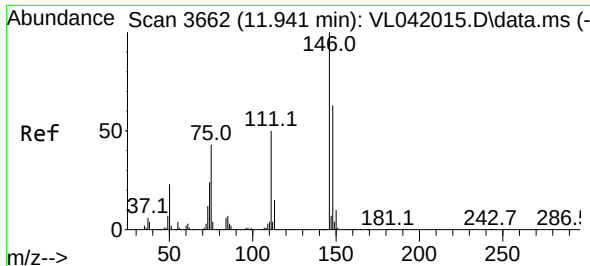


#76
1,4-Dichlorobenzene
Concen: 0.520 ppbv
RT: 11.665 min Scan# 3577
Delta R.T. -0.000 min
Lab File: VL042018.D
Acq: 14 Feb 2025 13:56



Tgt Ion:146 Resp: 12997
Ion Ratio Lower Upper
146 100
111 52.8 23.5 70.5
148 66.3 32.3 96.9





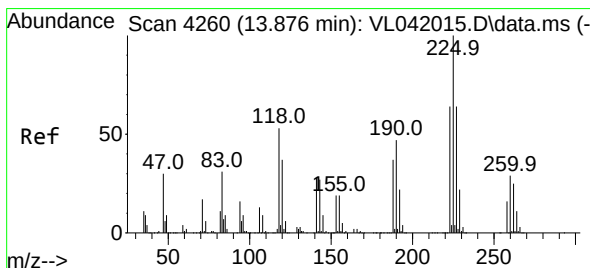
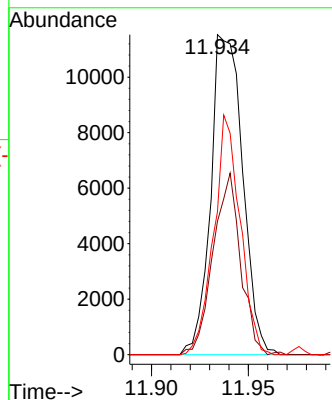
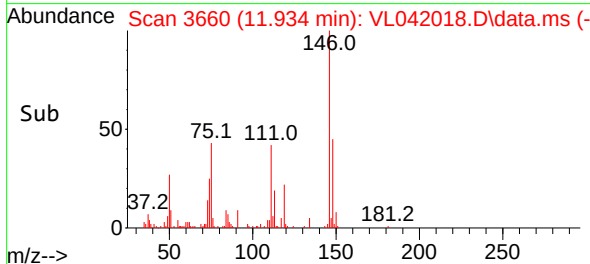
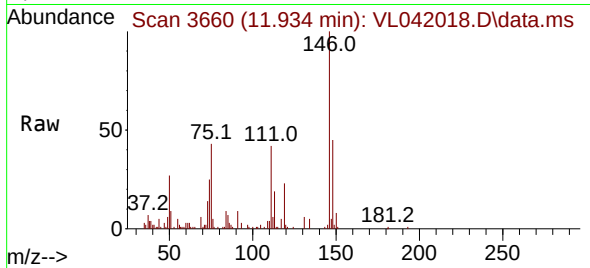
#77
1,2-Dichlorobenzene
Concen: 0.539 ppbv
RT: 11.934 min Scan# 30
Delta R.T. -0.007 min
Lab File: VL042018.D
Acq: 14 Feb 2025 13:56

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tgt Ion:146 Resp: 1321
Ion Ratio Lower Upper
146 100
111 49.0 25.6 76.8
148 61.8 31.9 95.7

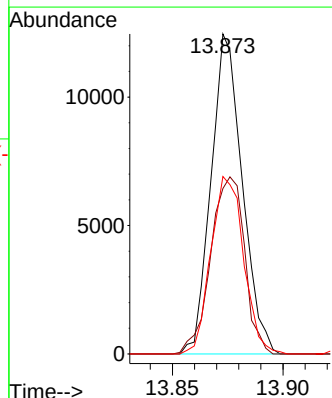
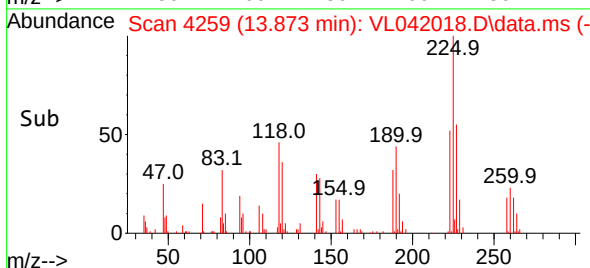
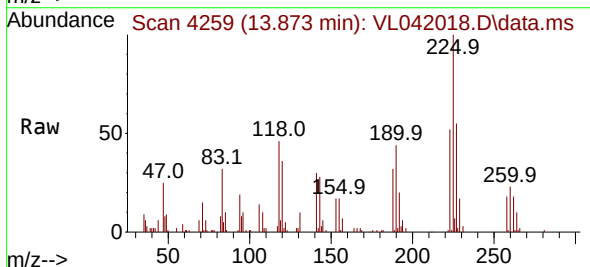
Manual Integrations
APPROVED

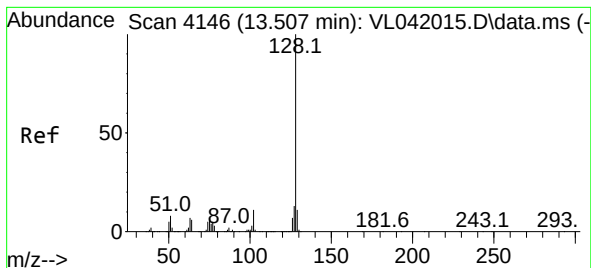
Reviewed By :Semsettin Yesilyurt 02/17/2025
Supervised By :Mahesh Dadoda 02/17/2025



#78
Hexachloro-1,3-Butadiene
Concen: 0.603 ppbv
RT: 13.873 min Scan# 4259
Delta R.T. -0.003 min
Lab File: VL042018.D
Acq: 14 Feb 2025 13:56

Tgt Ion:225 Resp: 12224
Ion Ratio Lower Upper
225 100
223 60.0 50.6 75.8
227 58.1 50.9 76.3





#79

Naphthalene

Concen: 0.544 ppbv

RT: 13.507 min Scan# 4146

Delta R.T. -0.000 min

Lab File: VL042018.D

Acq: 14 Feb 2025 13:56

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

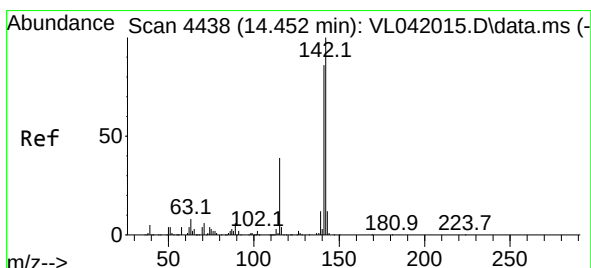
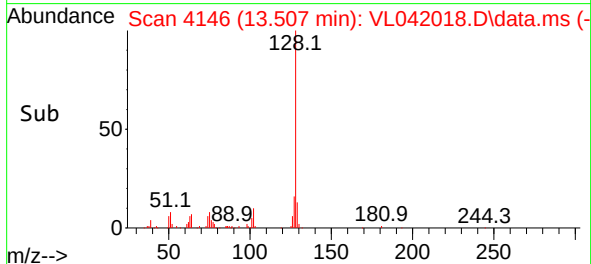
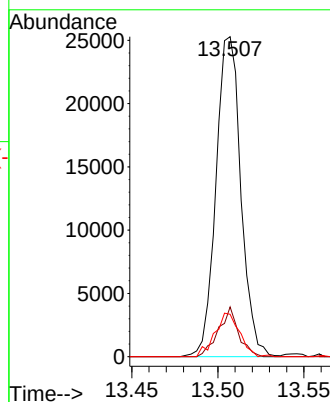
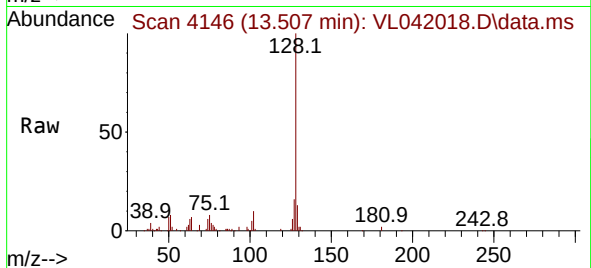
Tgt Ion:128 Resp: 25479

Ion	Ratio	Lower	Upper
128	100		
127	15.6	10.2	15.2
129	13.3	8.6	13.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 02/17/2025
Supervised By :Mahesh Dadoda 02/17/2025



#80

Naphthalene,2-methyl-

Concen: 0.546 ppbv

RT: 14.449 min Scan# 4437

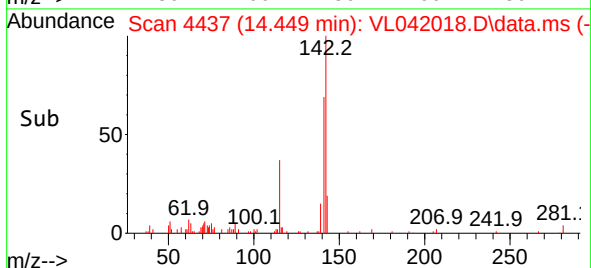
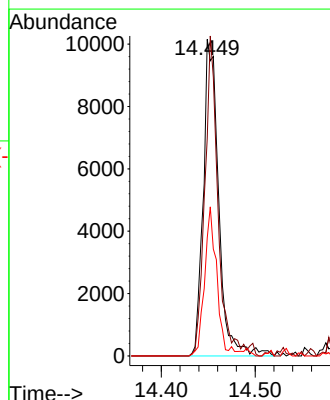
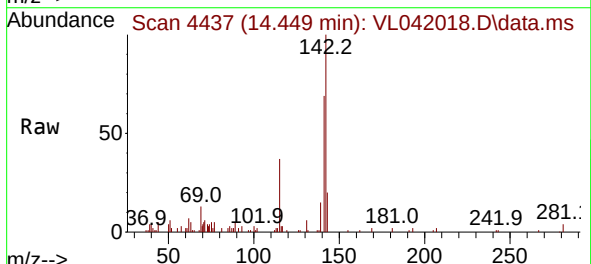
Delta R.T. -0.003 min

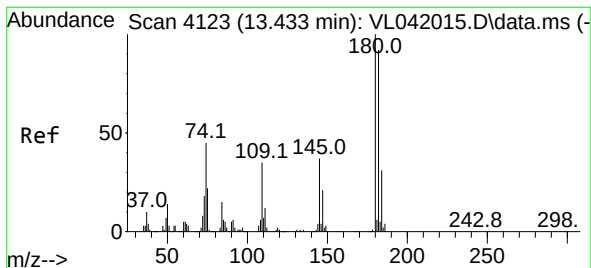
Lab File: VL042018.D

Acq: 14 Feb 2025 13:56

Tgt Ion:142 Resp: 11628

Ion	Ratio	Lower	Upper
142	100		
141	88.9	68.2	102.2
115	38.5	33.6	50.4





#81

1,2,4-Trichlorobenzene

Concen: 0.509 ppbv

RT: 13.433 min Scan# 41

Delta R.T. -0.000 min

Lab File: VL042018.D

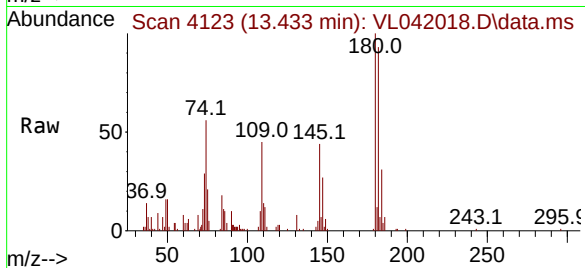
Acq: 14 Feb 2025 13:56

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC0.5



Tgt Ion:	180	Resp:	9689
Ion	Ratio	Lower	Upper
180	100		
182	96.2	75.8	113.6
184	29.3	24.2	36.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 02/17/2025
Supervised By :Mahesh Dadoda 02/17/2025

