

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL051623\
 Data File : VL040440.D
 Acq On : 16 May 2023 16:19
 Operator : SY/MD
 Sample : VL0516ABS01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0516ABS01

Quant Time: May 17 05:14:41 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL051623AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2
 QLast Update : Wed May 17 05:12:40 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Semsettin Yesilyurt 05/17/2023
 Supervised By : Mahesh Dadoda 05/17/2023

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

Internal Standards						
1) Bromochloromethane	5.208	49	1016740	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.674	114	2489887	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.497	117	2507940m	10.000	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.806	95	1960309	9.721	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.200%

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.732	85	2183254	10.931	ppbv	99
3) Chlorodifluoromethane	2.674	51	1237747	9.426	ppbv	100
4) Chloromethane	2.813	50	789187	9.676	ppbv	95
5) Vinyl Chloride	2.922	62	672197	9.286	ppbv	99
6) Bromomethane	3.124	94	218836	9.944	ppbv	100
7) Chloroethane	3.202	64	255175	9.976	ppbv	98
8) Dichlorotetrafluoroethane	2.858	85	1719871	9.583	ppbv	98
9) Propene	2.694	41	491737	9.626	ppbv	99
10) Heptane	7.600	43	1248778	10.579	ppbv	99
11) Trichlorofluoromethane	3.568	101	1779257	9.866	ppbv	99
12) 1,1,2-Trichlorotrifluo...	4.073	101	1245925	9.422	ppbv	99
13) Ethanol	3.250	45	34175m	8.828	ppbv	
14) Bromoethene	3.369	108	529754	10.049	ppbv	98
15) Acetone	3.472	43	1188278	9.238	ppbv	100
16) 1,3-Butadiene	2.986	39	606619	10.274	ppbv	98
17) tert-Butyl alcohol	3.883	59	1224718	9.506	ppbv	99
18) 1,1-Dichloroethene	3.886	96	574119	9.849	ppbv	98
19) Isopropyl Alcohol	3.581	45	567425	9.057	ppbv	99
20) Methylene Chloride	3.941	84	511423	8.926	ppbv	96
21) Allyl Chloride	4.005	41	820146	9.973	ppbv	99
22) trans-1,2-Dichloroethene	4.456	96	562624	9.664	ppbv	100
23) Vinyl Acetate	4.636	43	334228	9.402	ppbv	97
24) 1,1-Dichloroethane	4.575	63	1161729	9.550	ppbv	99
25) Ethyl Acetate	5.218	43	2413240	9.962	ppbv	99
26) Hexane	5.227	57	1019689	10.155	ppbv	98
27) Carbon Disulfide	4.134	76	1416751	10.734	ppbv	99
28) Methyl tert-Butyl Ether	4.597	73	1006912	9.439	ppbv	98
29) Chloroform	5.292	83	1760456	9.615	ppbv	99
30) Cyclohexane	6.623	84	828043	10.137	ppbv	100
31) cis-1,2-Dichloroethene	5.092	61	1027585	10.333	ppbv	99
32) 1,1,1-Trichloroethane	6.018	97	1799694	9.461	ppbv	99
34) 2-Butanone	4.796	43	1374155	10.367	ppbv	100
35) Carbon Tetrachloride	6.513	117	1839456	10.292	ppbv	98
36) Benzene	6.388	78	2089833	10.334	ppbv	100
37) 1,2-Dichloroethane	5.825	62	1386294	10.491	ppbv	100
38) Trichloroethene	7.311	130	1316848	10.570	ppbv	97
39) 1,2-Dichloropropane	7.092	63	801009	10.112	ppbv	98
40) 1,4-Dioxane	7.308	88	312642	10.376	ppbv	90
41) Tetrahydrofuran	5.571	42	786438	10.692	ppbv	100
42) Bromodichloromethane	7.269	83	1941571	10.855	ppbv	97
43) Methyl Methacrylate	7.497	69	855850	11.440	ppbv	100
44) 2,2,4-Trimethylpentane	7.346	57	3494505	10.442	ppbv	100
45) t-1,3-Dichloropropene	8.735	75	839868	12.815	ppbv	99

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Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 05/17/2023
 Supervised By :Mahesh Dadoda 05/17/2023

Quant Time: May 17 05:14:41 2023

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL051623AIR.M

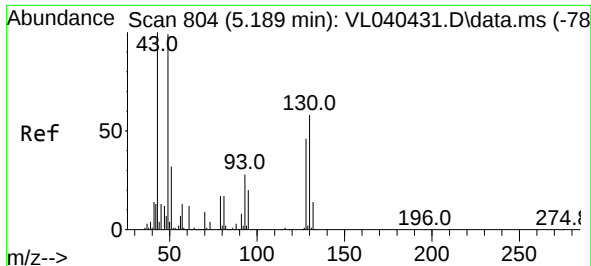
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 2

QLast Update : Wed May 17 05:12:40 2023

Response via : Initial Calibration

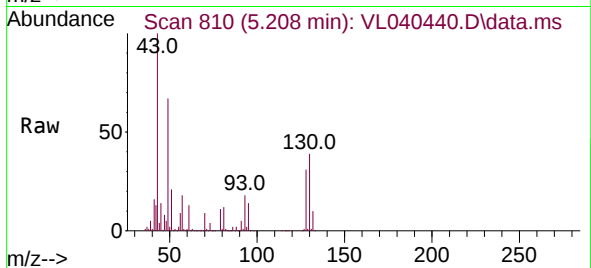
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.166	75	1126645	12.165	ppbv	98
47) 1,1,2-Trichloroethane	8.922	97	892121	10.318	ppbv	97
48) Dibromochloromethane	9.735	129	1571029	11.376	ppbv	100
49) Bromoform	12.436	173	1279474	11.743	ppbv	100
50) 4-Methyl-2-Pentanone	8.201	43	2231519	10.898	ppbv	99
51) 2-Hexanone	9.574	43	1768803	11.727	ppbv #	98
52) Tetrachloroethene	10.642	164	716815	10.438	ppbv	98
53) Toluene	9.246	91	2440105	11.424	ppbv	99
54) 1,2-Dibromoethane	10.034	107	977278	11.310	ppbv	93
56) 1,1,1,2-Tetrachloroethane	11.536	131	1134031	9.764	ppbv	98
57) Chlorobenzene	11.558	112	1902894	9.424	ppbv	100
58) Ethyl Benzene	12.118	91	3360208	10.587	ppbv	100
59) m/p-Xylene	12.401	91	5922650m	20.459	ppbv	
60) o-Xylene	13.089	91	2872979	10.427	ppbv	100
61) Styrene	12.928	104	1641765	11.765	ppbv	99
62) Isopropylbenzene	14.060	105	4024037	9.993	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.079	83	884048	8.896	ppbv	100
64) n-propylbenzene	14.947	120	1025354	10.320	ppbv	100
65) tert-Butylbenzene	16.124	119	3550003	10.051	ppbv	100
66) Benzyl Chloride	16.359	91	212384	10.135	ppbv	97
67) sec-Butylbenzene	16.667	105	5082012	9.991	ppbv	99
69) p-Isopropyltoluene	17.024	119	4075398	10.200	ppbv	100
70) n-Butylbenzene	17.918	91	4493563	10.092	ppbv	99
71) 2-Chlorotoluene	14.831	91	3144662	10.264	ppbv	99
72) 4-Ethyltoluene	15.224	105	3317666	10.620	ppbv	99
73) 1,3,5-Trimethylbenzene	15.381	105	2948588	10.281	ppbv	100
74) 1,2,4-Trimethylbenzene	16.140	105	3260519	9.881	ppbv	100
75) 1,3-Dichlorobenzene	16.362	146	1786759	9.842	ppbv	99
76) 1,4-Dichlorobenzene	16.507	146	1733809	9.875	ppbv	99
77) 1,2-Dichlorobenzene	17.175	146	1698508	9.657	ppbv	99
78) Hexachloro-1,3-Butadiene	22.667	225	1173208	8.915	ppbv	99
79) Naphthalene	21.420	128	2459203	12.327	ppbv	99
80) Naphthalene,2-methyl-	24.400	142	738148	12.923	ppbv	99
81) 1,2,4-Trichlorobenzene	21.172	180	1299083	10.519	ppbv	99

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



#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.208 min Scan# 81
Delta R.T. 0.003 min
Lab File: VL040440.D
Acq: 16 May 2023 16:19

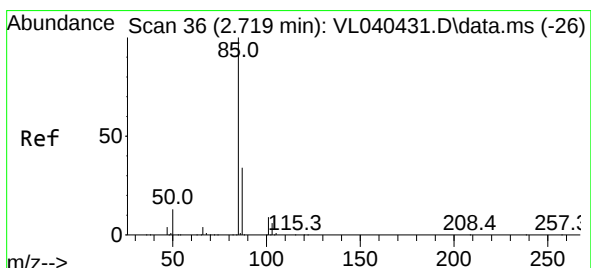
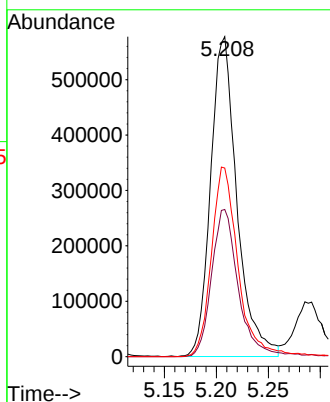
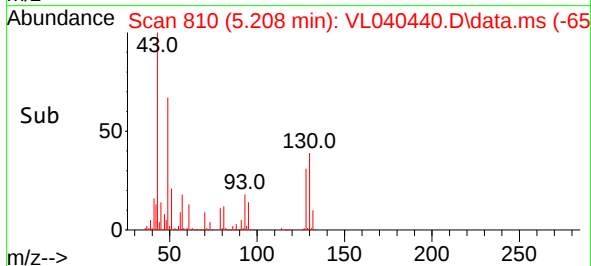
Instrument :
MSVOA_L
ClientSampleId :
VL0516ABS01



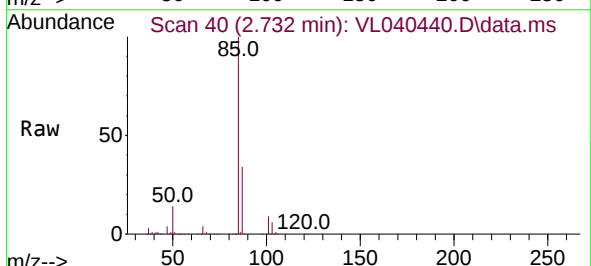
Tgt Ion: 49 Resp: 1016740
Ion Ratio Lower Upper
49 100
128 47.3 24.3 72.8
130 60.4 30.2 90.6

Manual Integrations
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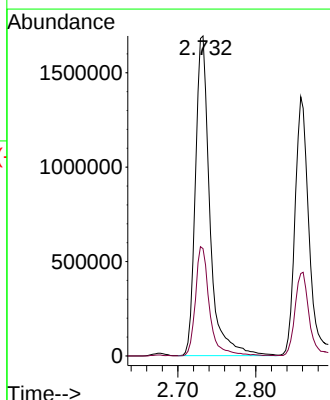
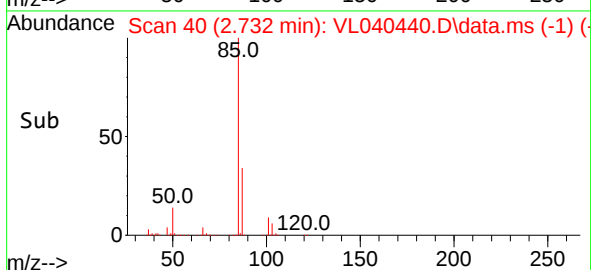
Reviewed By :Semsettin Yesilyurt 05/17/2023
Supervised By :Mahesh Dadoda 05/17/2023

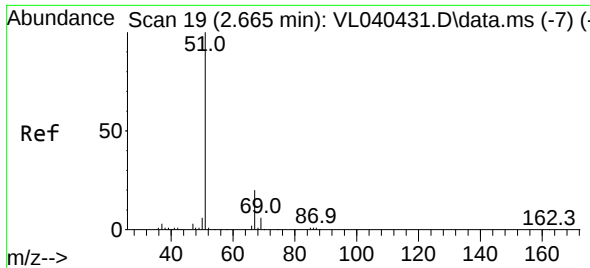


#2
Dichlorodifluoromethane
Concen: 10.931 ppbv
RT: 2.732 min Scan# 40
Delta R.T. 0.003 min
Lab File: VL040440.D
Acq: 16 May 2023 16:19



Tgt Ion: 85 Resp: 2183254
Ion Ratio Lower Upper
85 100
87 33.6 27.4 41.0





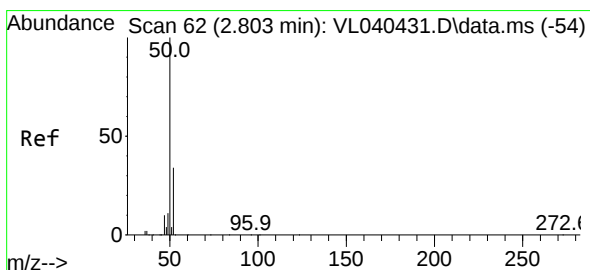
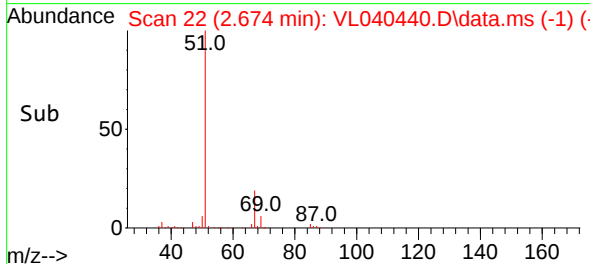
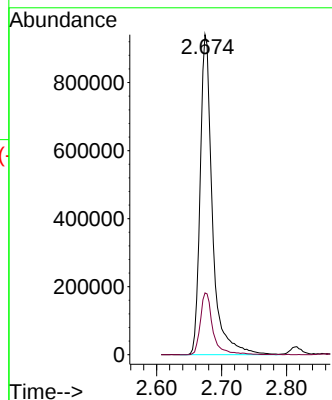
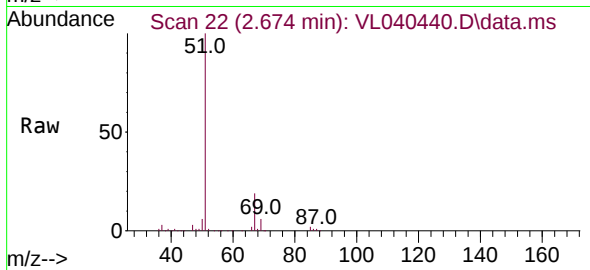
#3
Chlorodifluoromethane
Concen: 9.426 ppbv
RT: 2.674 min Scan# 21
Delta R.T. 0.000 min
Lab File: VL040440.D
Acq: 16 May 2023 16:19

Instrument :
MSVOA_L
ClientSampleId :
VL0516ABS01

Tgt Ion: 51 Resp: 123774
Ion Ratio Lower Upper
51 100
67 19.8 15.8 23.6

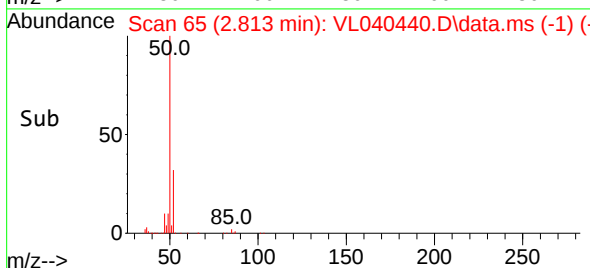
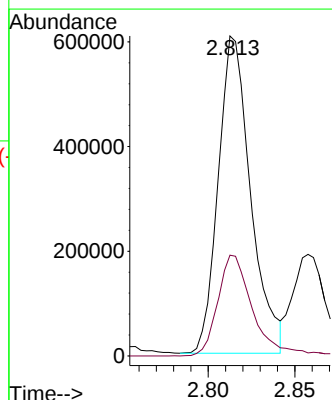
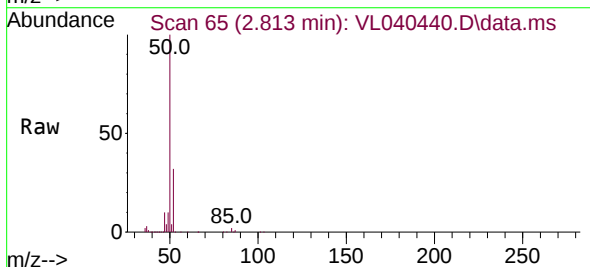
Manual Integrations
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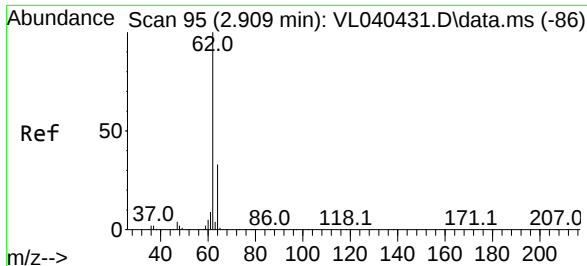
Reviewed By :Semsettin Yesilyurt 05/17/2023
Supervised By :Mahesh Dadoda 05/17/2023



#4
Chloromethane
Concen: 9.676 ppbv
RT: 2.813 min Scan# 65
Delta R.T. 0.000 min
Lab File: VL040440.D
Acq: 16 May 2023 16:19

Tgt Ion: 50 Resp: 789187
Ion Ratio Lower Upper
50 100
52 31.8 27.6 41.4





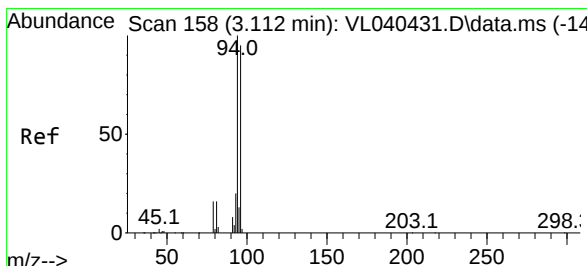
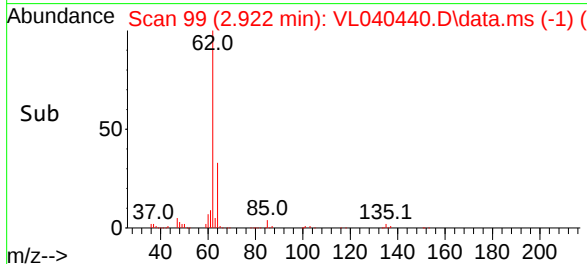
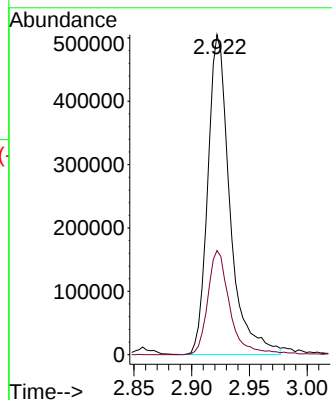
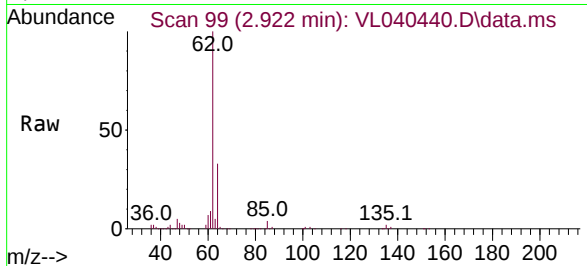
#5
 Vinyl Chloride
 Concen: 9.286 ppbv
 RT: 2.922 min Scan# 94
 Delta R.T. 0.000 min
 Lab File: VL040440.D
 Acq: 16 May 2023 16:19

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0516ABS01

Tgt Ion: 62 Resp: 67219
 Ion Ratio Lower Upper
 62 100
 64 32.6 26.6 40.0

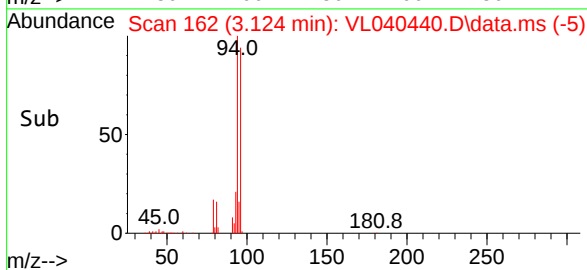
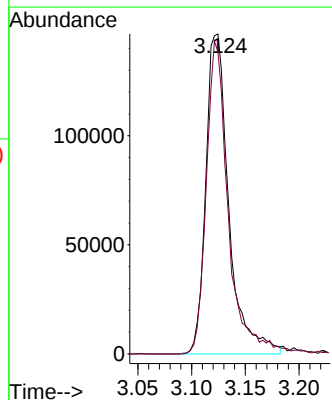
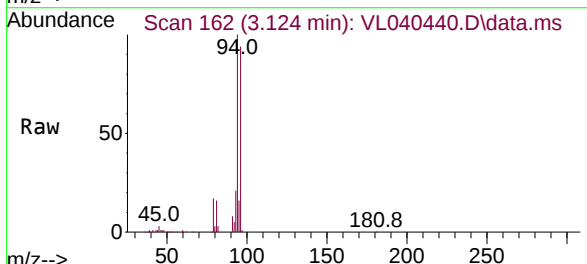
Manual Integrations
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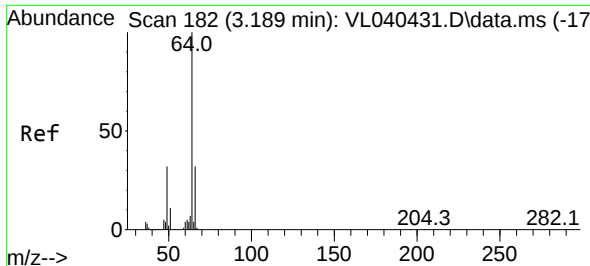
Reviewed By :Semsettin Yesilyurt 05/17/2023
 Supervised By :Mahesh Dadoda 05/17/2023



#6
 Bromomethane
 Concen: 9.944 ppbv
 RT: 3.124 min Scan# 162
 Delta R.T. 0.003 min
 Lab File: VL040440.D
 Acq: 16 May 2023 16:19

Tgt Ion: 94 Resp: 218836
 Ion Ratio Lower Upper
 94 100
 96 94.4 75.7 113.5





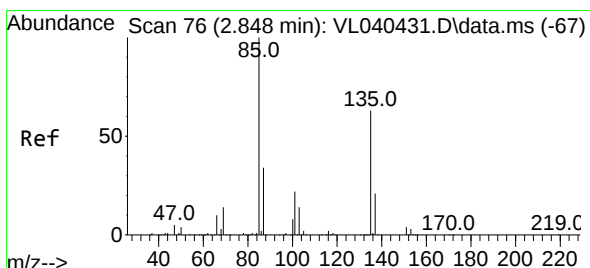
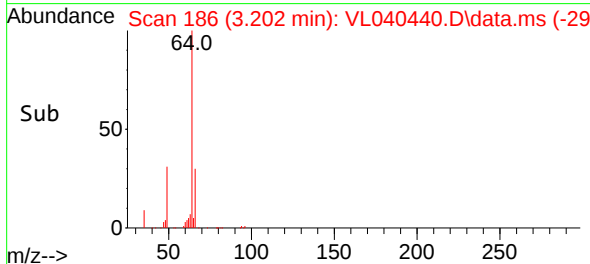
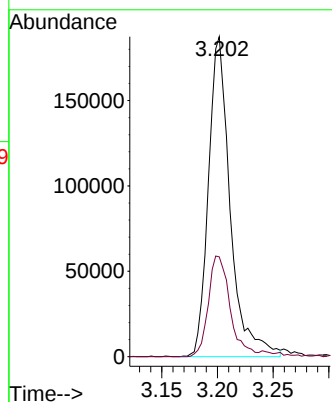
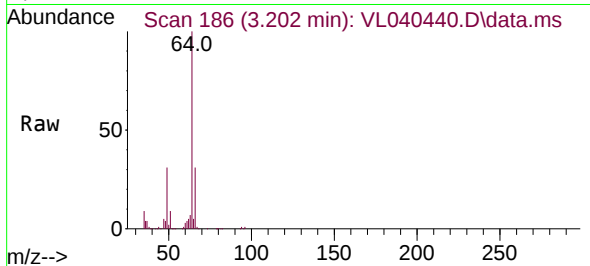
#7
Chloroethane
Concen: 9.976 ppbv
RT: 3.202 min Scan# 11
Delta R.T. 0.003 min
Lab File: VL040440.D
Acq: 16 May 2023 16:19

Instrument :
MSVOA_L
ClientSampleId :
VL0516ABS01

Tgt Ion: 64 Resp: 25517
Ion Ratio Lower Upper
64 100
66 31.2 25.8 38.8

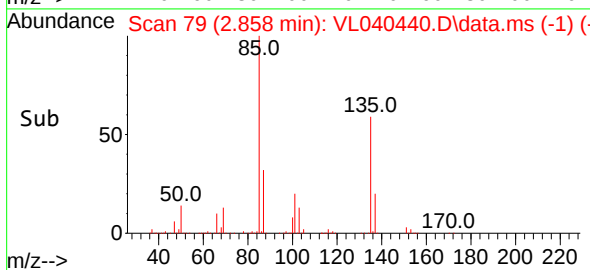
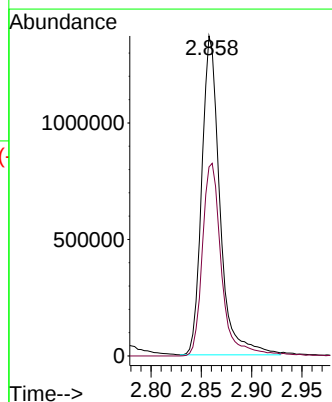
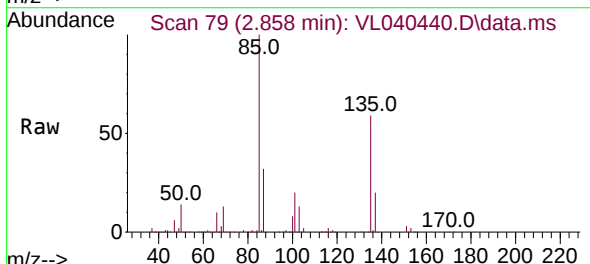
Manual Integrations
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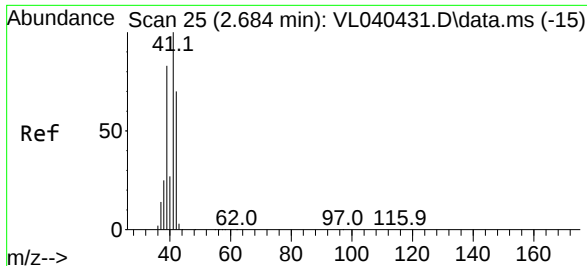
Reviewed By :Semsettin Yesilyurt 05/17/2023
Supervised By :Mahesh Dadoda 05/17/2023



#8
Dichlorotetrafluoroethane
Concen: 9.583 ppbv
RT: 2.858 min Scan# 79
Delta R.T. 0.000 min
Lab File: VL040440.D
Acq: 16 May 2023 16:19

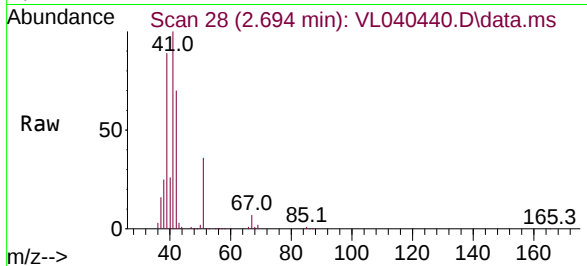
Tgt Ion: 85 Resp: 1719871
Ion Ratio Lower Upper
85 100
135 64.5 50.6 75.8





#9
 Propene
 Concen: 9.626 ppbv
 RT: 2.694 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VL040440.D
 Acq: 16 May 2023 16:19

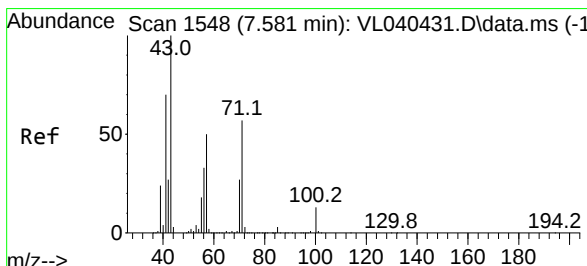
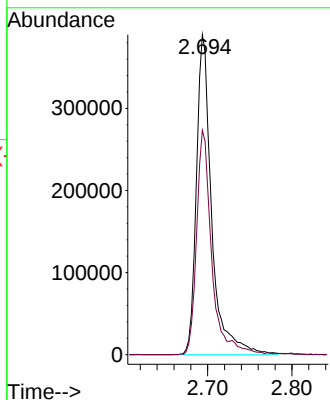
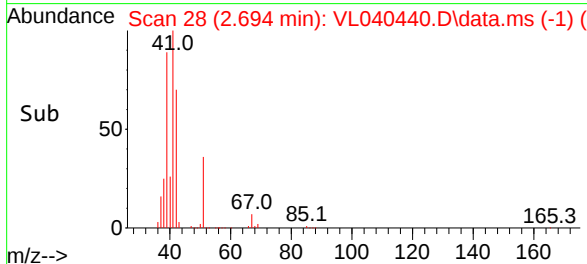
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0516ABS01



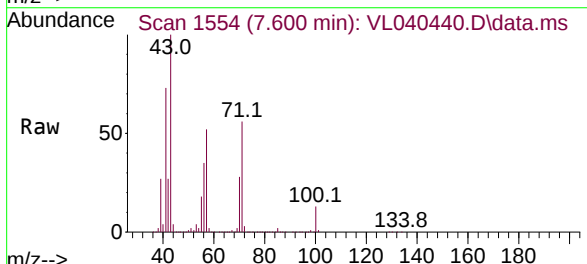
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 Ion Ratio Lower Upper
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 42 70.1 56.6 84.8

Manual Integrations
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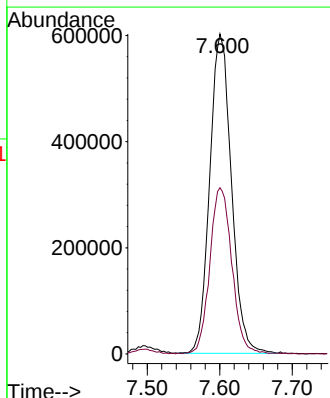
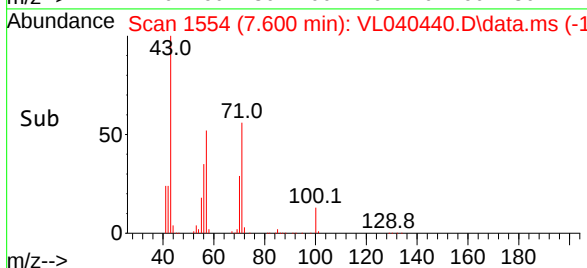
Reviewed By :Semsettin Yesilyurt 05/17/2023
 Supervised By :Mahesh Dadoda 05/17/2023

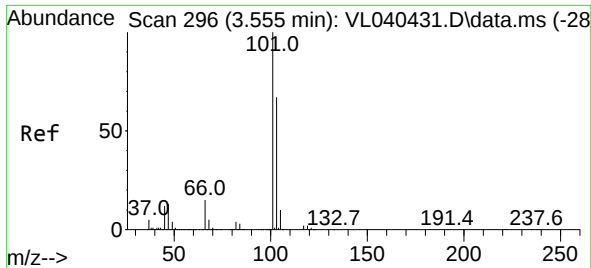


#10
 Heptane
 Concen: 10.579 ppbv
 RT: 7.600 min Scan# 1554
 Delta R.T. 0.003 min
 Lab File: VL040440.D
 Acq: 16 May 2023 16:19



Tgt Ion: 43 Resp: 1248778
 Ion Ratio Lower Upper
 43 100
 57 53.1 42.2 63.2





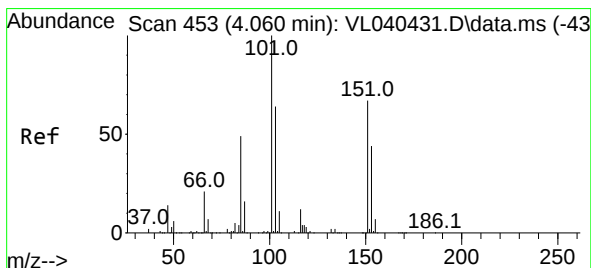
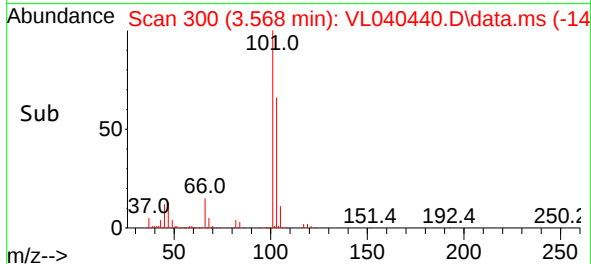
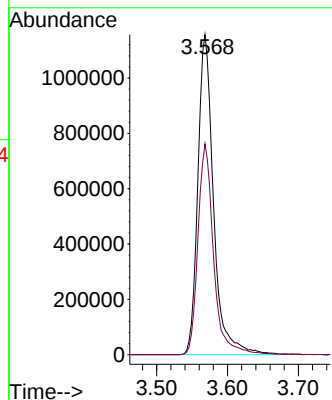
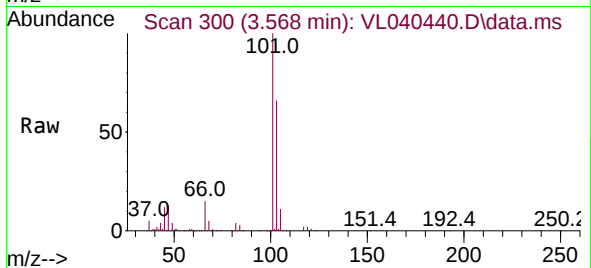
#11
Trichlorofluoromethane
Concen: 9.866 ppbv
RT: 3.568 min Scan# 300
Delta R.T. 0.000 min
Lab File: VL040440.D
Acq: 16 May 2023 16:19

Instrument :
MSVOA_L
ClientSampleId :
VL0516ABS01

Tgt Ion:101 Resp: 177925
Ion Ratio Lower Upper
101 100
103 65.9 53.3 79.9

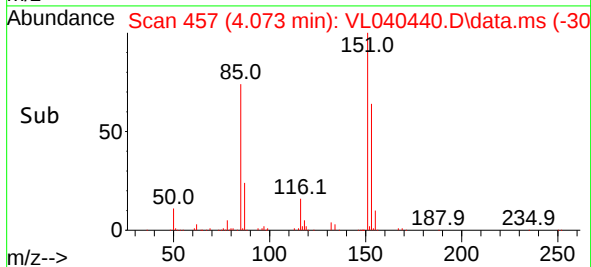
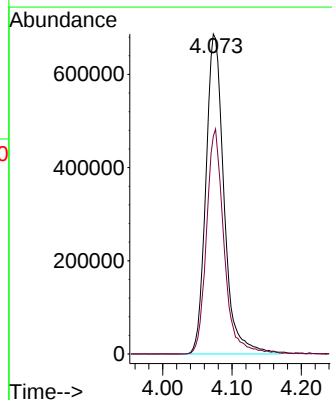
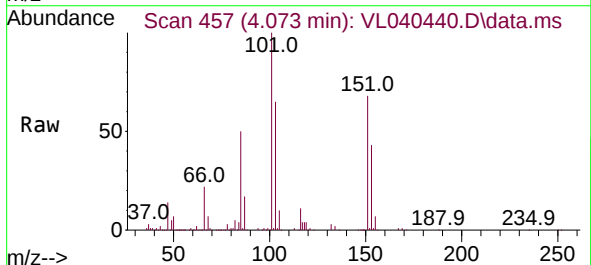
Manual Integrations
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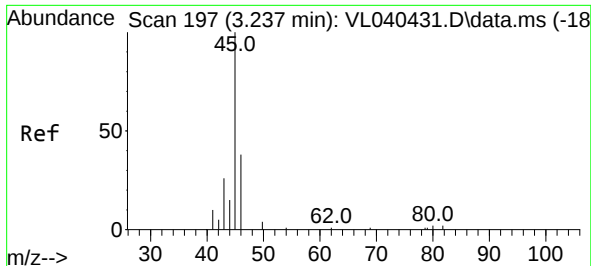
Reviewed By :Semsettin Yesilyurt 05/17/2023
Supervised By :Mahesh Dadoda 05/17/2023



#12
1,1,2-Trichlorotrifluoroethane
Concen: 9.422 ppbv
RT: 4.073 min Scan# 457
Delta R.T. 0.000 min
Lab File: VL040440.D
Acq: 16 May 2023 16:19

Tgt Ion:101 Resp: 1245925
Ion Ratio Lower Upper
101 100
151 68.3 53.8 80.6





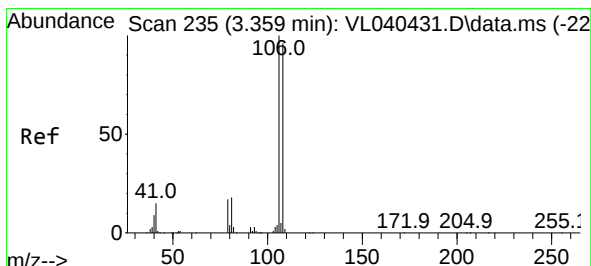
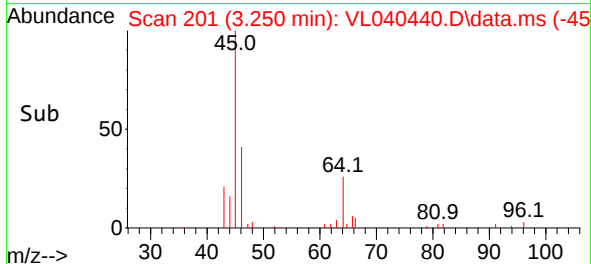
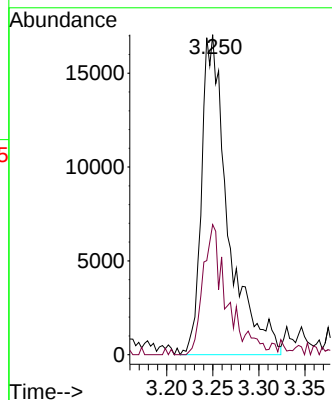
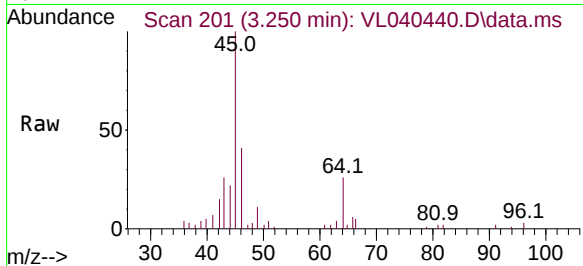
#13
Ethanol
Concen: 8.828 ppbv m
RT: 3.250 min Scan# 201
Delta R.T. 0.000 min
Lab File: VL040440.D
Acq: 16 May 2023 16:19

Instrument :
MSVOA_L
ClientSampleId :
VL0516ABS01

Tgt Ion: 45 Resp: 3417
Ion Ratio Lower Upper
45 100
46 37.7 13.2 52.8

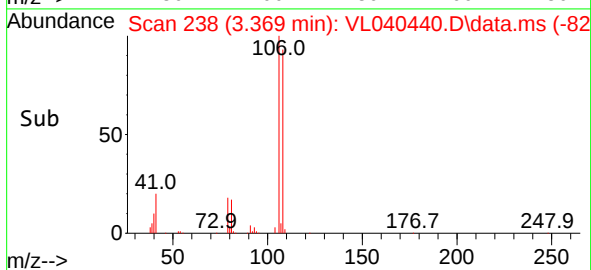
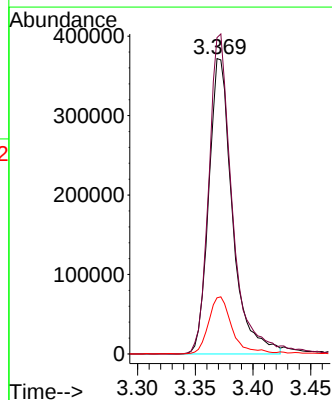
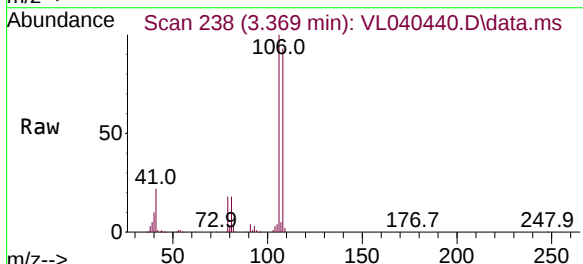
Manual Integrations
APPROVED

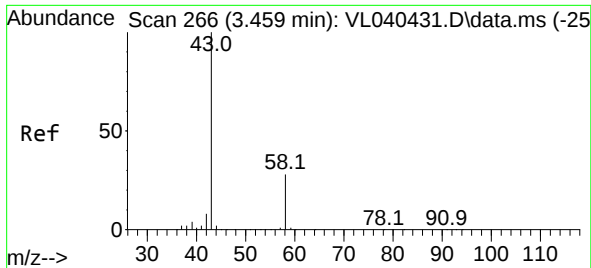
Reviewed By :Semsettin Yesilyurt 05/17/2023
Supervised By :Mahesh Dadoda 05/17/2023



#14
Bromoethene
Concen: 10.049 ppbv
RT: 3.369 min Scan# 238
Delta R.T. 0.000 min
Lab File: VL040440.D
Acq: 16 May 2023 16:19

Tgt Ion:108 Resp: 529754
Ion Ratio Lower Upper
108 100
106 109.6 89.5 134.3
79 20.3 16.1 24.1





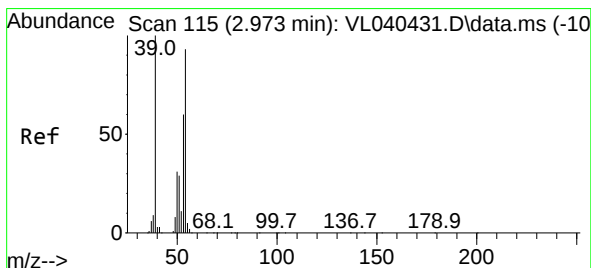
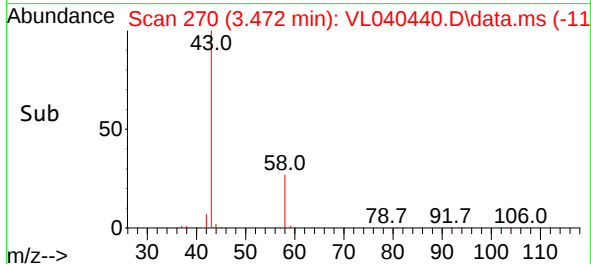
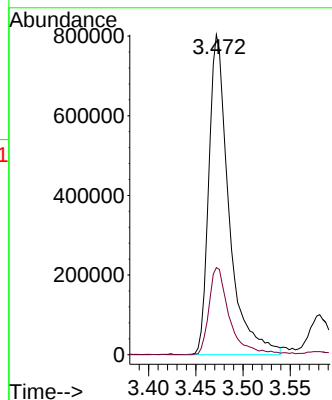
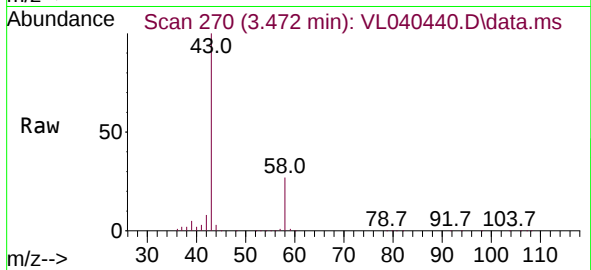
#15
Acetone
Concen: 9.238 ppbv
RT: 3.472 min Scan# 211
Delta R.T. 0.003 min
Lab File: VL040440.D
Acq: 16 May 2023 16:19

Instrument :
MSVOA_L
ClientSampleId :
VL0516ABS01

Tgt Ion: 43 Resp: 1188278
Ion Ratio Lower Upper
43 100
58 27.8 22.2 33.4

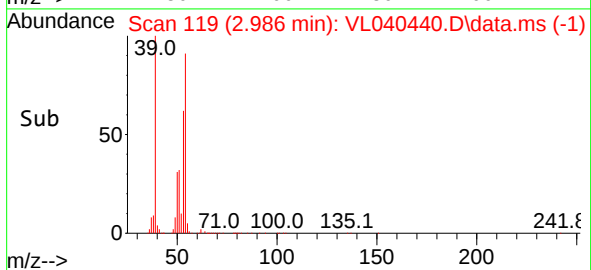
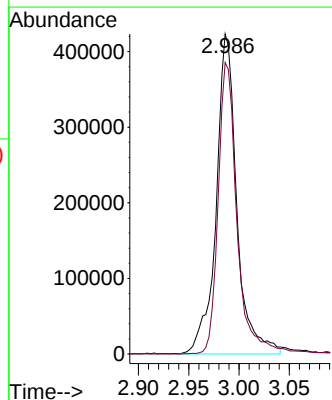
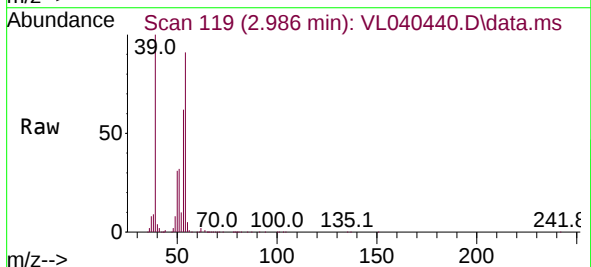
Manual Integrations
APPROVED

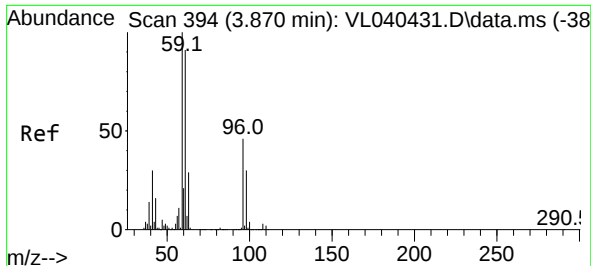
Reviewed By :Semsettin Yesilyurt 05/17/2023
Supervised By :Mahesh Dadoda 05/17/2023



#16
1,3-Butadiene
Concen: 10.274 ppbv
RT: 2.986 min Scan# 119
Delta R.T. 0.000 min
Lab File: VL040440.D
Acq: 16 May 2023 16:19

Tgt Ion: 39 Resp: 606619
Ion Ratio Lower Upper
39 100
54 83.9 68.9 103.3





#17

tert-Butyl alcohol

Concen: 9.506 ppbv

RT: 3.883 min Scan# 394

Delta R.T. 0.003 min

Lab File: VL040440.D

Acq: 16 May 2023 16:19

Instrument :

MSVOA_L

ClientSampleId :

VL0516ABS01

Tgt Ion: 59 Resp: 1224718

Ion Ratio Lower Upper

59 100

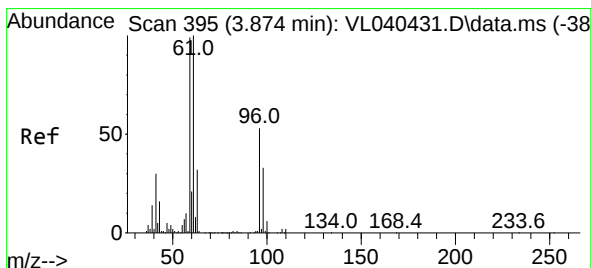
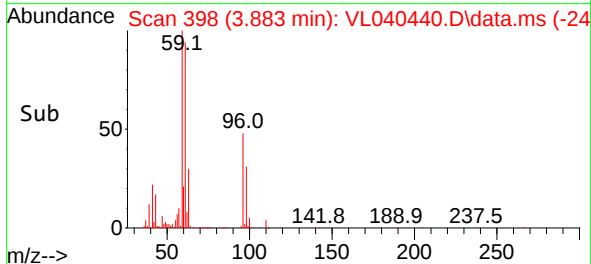
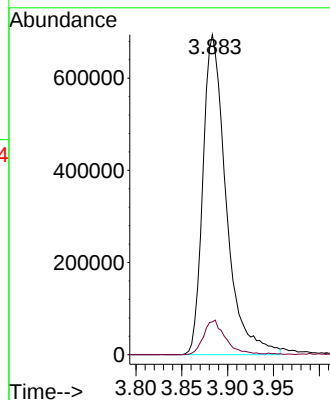
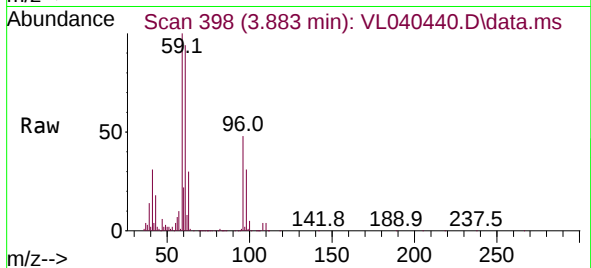
57 10.5 8.6 12.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 05/17/2023

Supervised By :Mahesh Dadoda 05/17/2023



#18

1,1-Dichloroethene

Concen: 9.849 ppbv

RT: 3.886 min Scan# 399

Delta R.T. 0.000 min

Lab File: VL040440.D

Acq: 16 May 2023 16:19

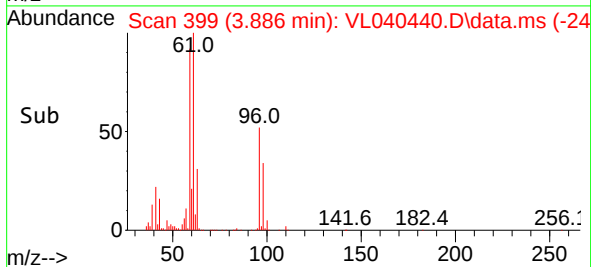
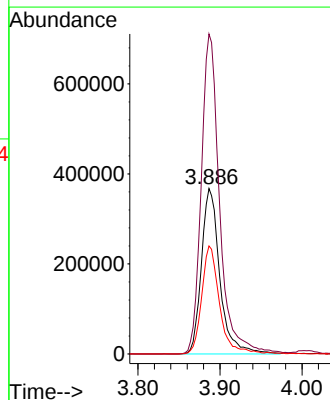
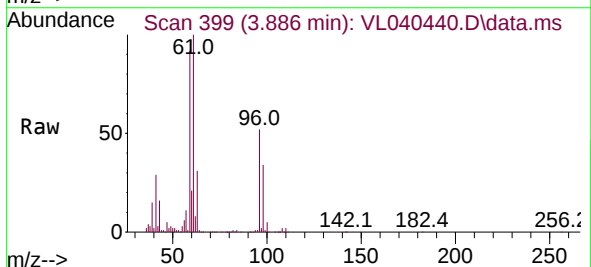
Tgt Ion: 96 Resp: 574119

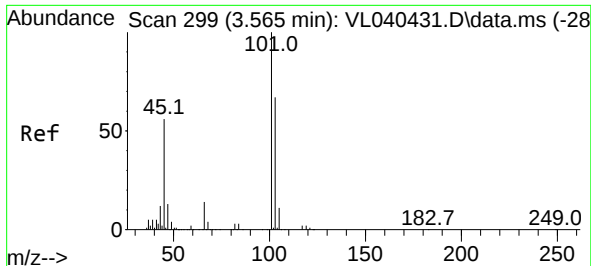
Ion Ratio Lower Upper

96 100

61 193.2 151.8 227.8

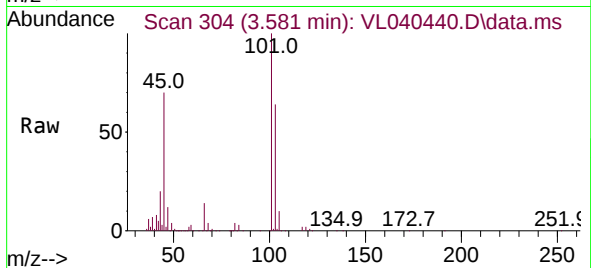
98 65.3 50.5 75.7





#19
Isopropyl Alcohol
Concen: 9.057 ppbv
RT: 3.581 min Scan# 304
Delta R.T. 0.003 min
Lab File: VL040440.D
Acq: 16 May 2023 16:19

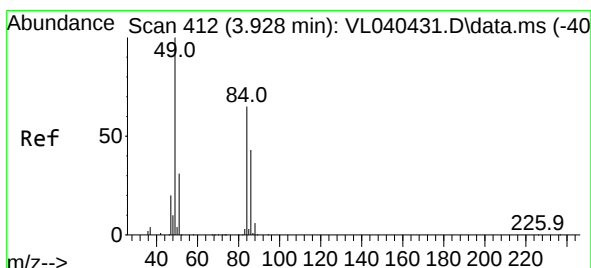
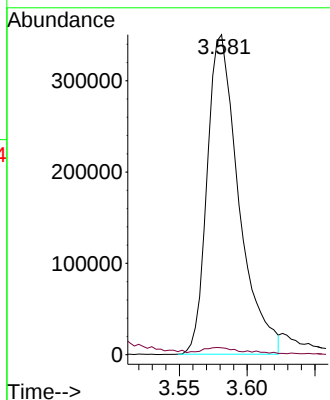
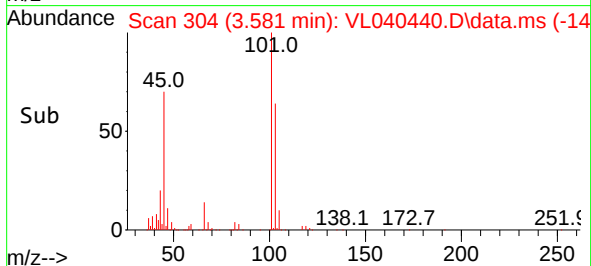
Instrument :
MSVOA_L
ClientSampleId :
VL0516ABS01



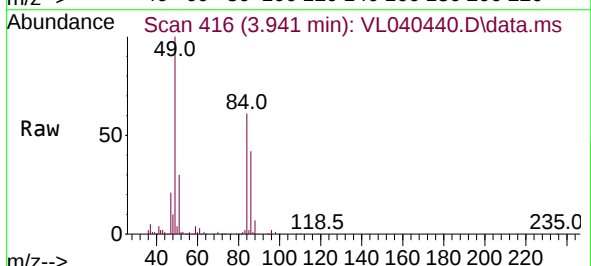
Tgt Ion: 45 Resp: 567429
Ion Ratio Lower Upper
45 100
58 3.0 2.1 3.1

Manual Integrations
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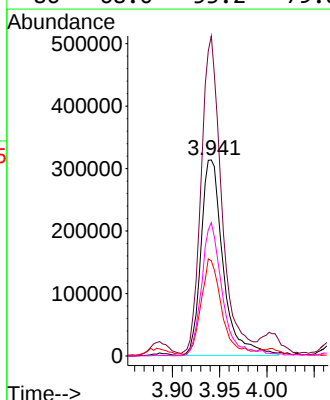
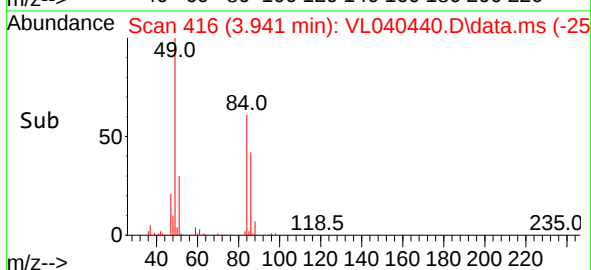
Reviewed By :Semsettin Yesilyurt 05/17/2023
Supervised By :Mahesh Dadoda 05/17/2023

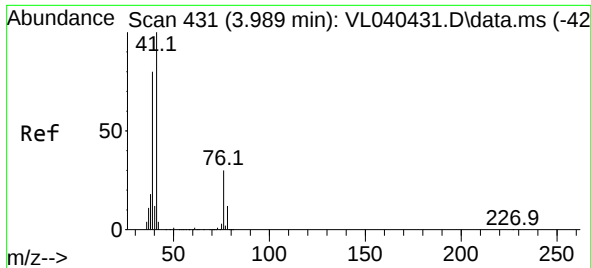


#20
Methylene Chloride
Concen: 8.926 ppbv
RT: 3.941 min Scan# 416
Delta R.T. 0.003 min
Lab File: VL040440.D
Acq: 16 May 2023 16:19



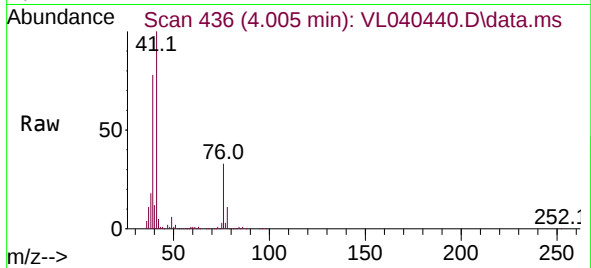
Tgt Ion: 84 Resp: 511423
Ion Ratio Lower Upper
84 100
49 162.0 123.7 185.5
51 47.7 38.6 57.8
86 68.0 53.2 79.8





#21
 Allyl Chloride
 Concen: 9.973 ppbv
 RT: 4.005 min Scan# 41
 Delta R.T. 0.003 min
 Lab File: VL040440.D
 Acq: 16 May 2023 16:19

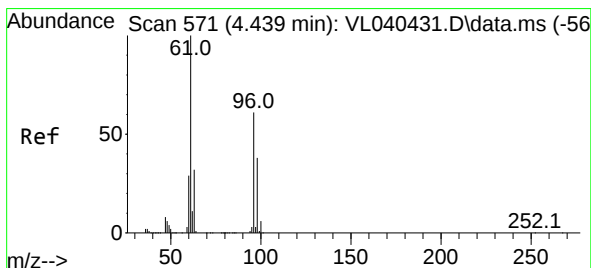
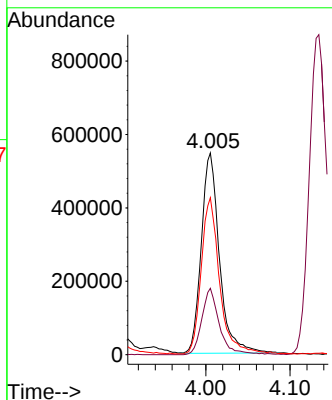
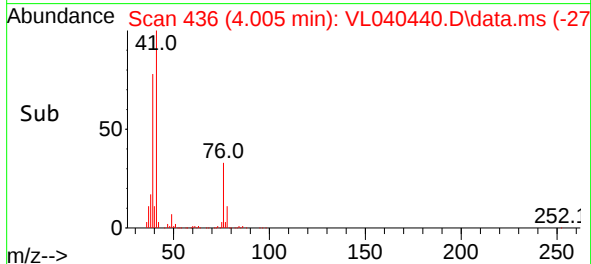
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0516ABS01



Tgt Ion: 41 Resp: 820140
 Ion Ratio Lower Upper
 41 100
 76 32.0 25.3 37.9
 39 78.9 63.5 95.3

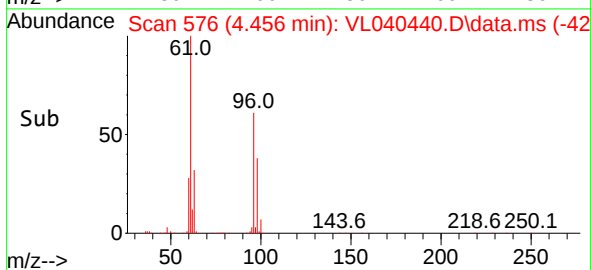
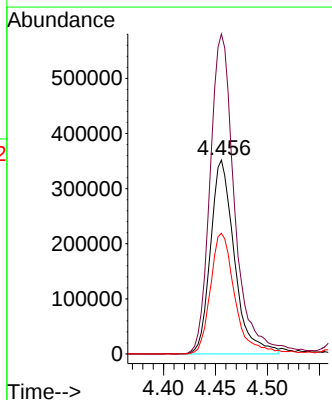
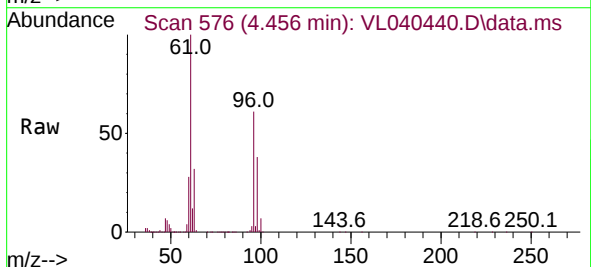
Manual Integrations
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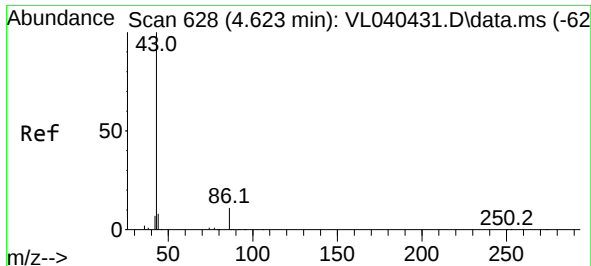
Reviewed By :Semsettin Yesilyurt 05/17/2023
 Supervised By :Mahesh Dadoda 05/17/2023



#22
 trans-1,2-Dichloroethene
 Concen: 9.664 ppbv
 RT: 4.456 min Scan# 576
 Delta R.T. 0.000 min
 Lab File: VL040440.D
 Acq: 16 May 2023 16:19

Tgt Ion: 96 Resp: 562624
 Ion Ratio Lower Upper
 96 100
 61 165.0 131.8 197.6
 98 62.2 50.1 75.1





#23
 Vinyl Acetate
 Concen: 9.402 ppbv
 RT: 4.636 min Scan# 613
 Delta R.T. 0.000 min
 Lab File: VL040440.D
 Acq: 16 May 2023 16:19

Instrument :

MSVOA_L

ClientSampleId :

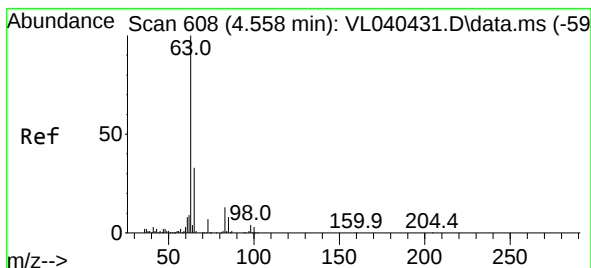
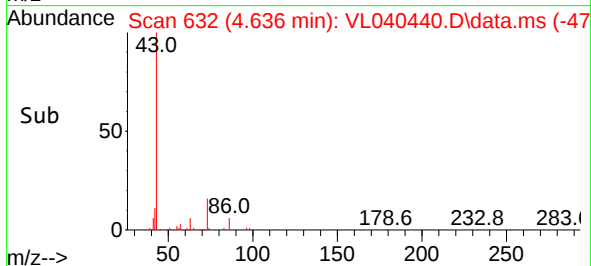
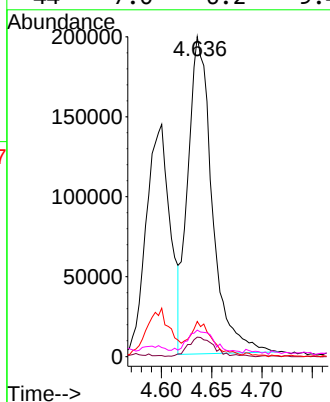
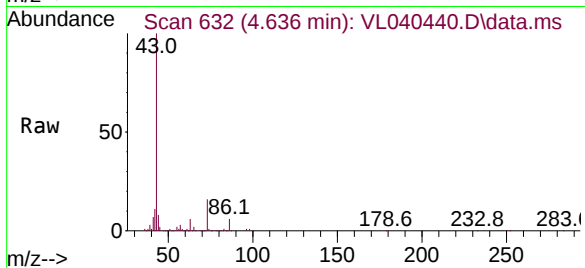
VL0516ABS01

Tgt Ion: 43 Resp: 334228
 Ion Ratio Lower Upper
 43 100
 86 6.0 5.4 8.2
 42 10.8 7.8 11.6
 44 7.0 6.2 9.4

Manual Integrations

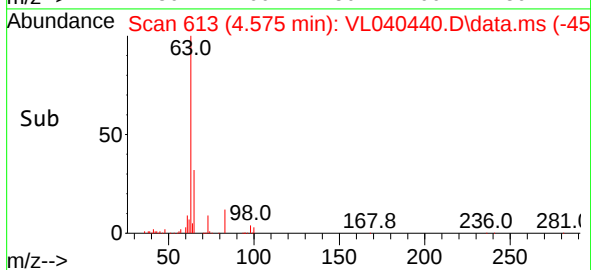
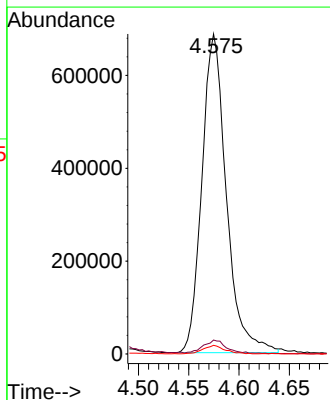
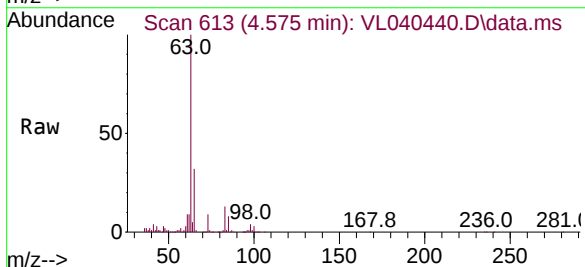
APPROVED

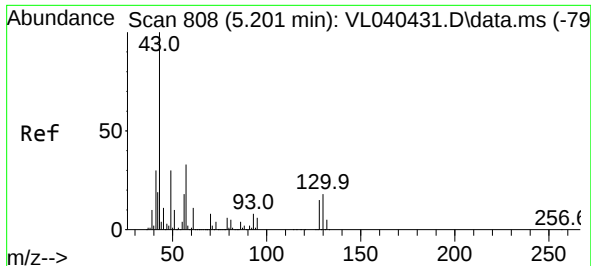
Reviewed By :Semsettin Yesilyurt 05/17/2023
 Supervised By :Mahesh Dadoda 05/17/2023



#24
 1,1-Dichloroethane
 Concen: 9.550 ppbv
 RT: 4.575 min Scan# 613
 Delta R.T. 0.003 min
 Lab File: VL040440.D
 Acq: 16 May 2023 16:19

Tgt Ion: 63 Resp: 1161729
 Ion Ratio Lower Upper
 63 100
 98 4.2 2.0 5.8
 100 2.7 1.4 4.2





#25

Ethyl Acetate

Concen: 9.962 ppbv

RT: 5.218 min Scan# 813

Delta R.T. 0.003 min

Lab File: VL040440.D

Acq: 16 May 2023 16:19

Instrument :

MSVOA_L

ClientSampleId :

VL0516ABS01

Tgt Ion: 43 Resp: 2413240

Ion Ratio Lower Upper

43 100

45 10.6 8.6 13.0

61 10.2 8.6 12.8

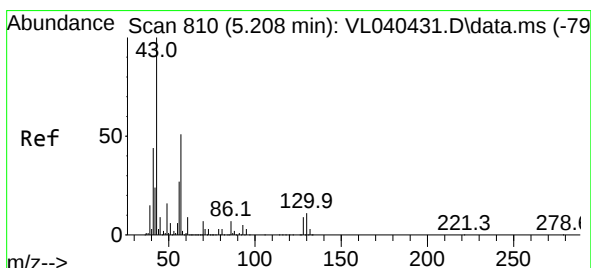
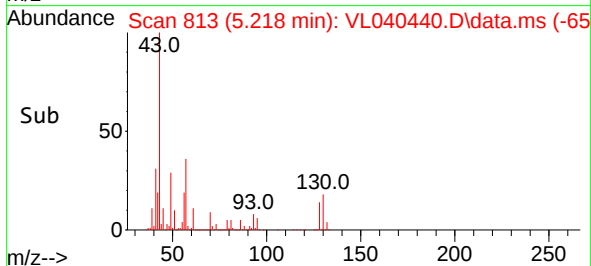
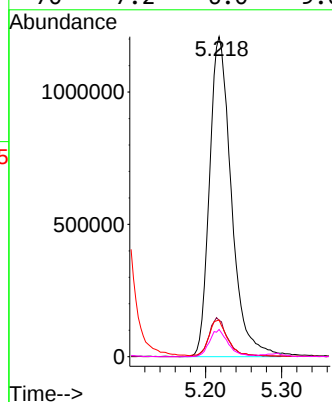
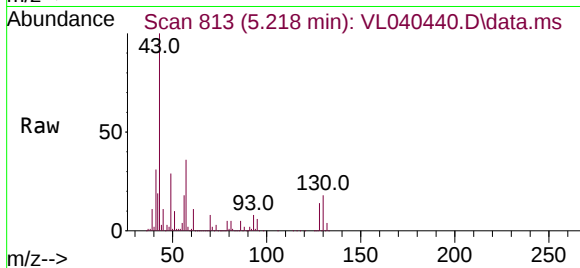
70 7.2 6.0 9.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 05/17/2023

Supervised By :Mahesh Dadoda 05/17/2023



#26

Hexane

Concen: 10.155 ppbv

RT: 5.227 min Scan# 816

Delta R.T. 0.003 min

Lab File: VL040440.D

Acq: 16 May 2023 16:19

Tgt Ion: 57 Resp: 1019689

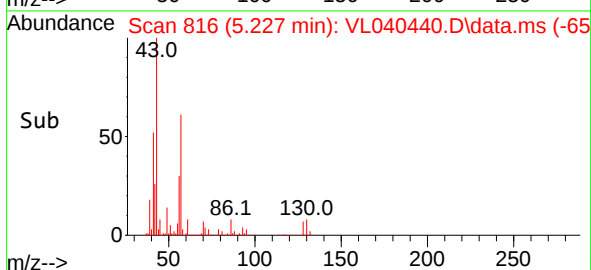
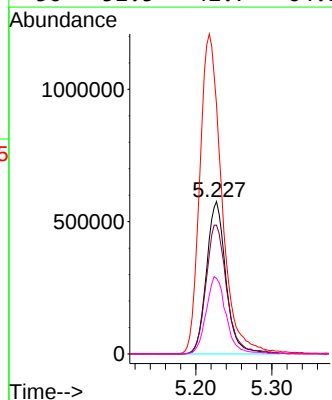
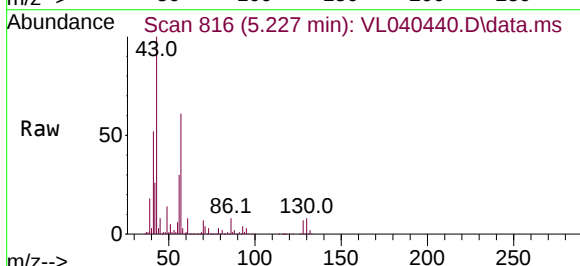
Ion Ratio Lower Upper

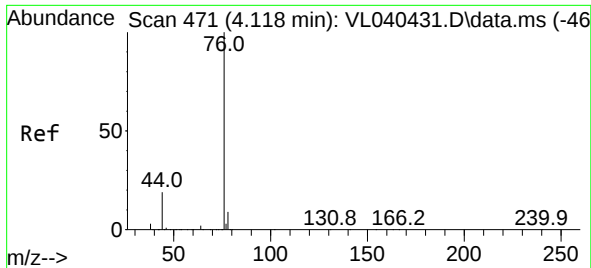
57 100

41 91.5 75.1 112.7

43 238.5 194.4 291.6

56 52.5 42.7 64.1





#27

Carbon Disulfide

Concen: 10.734 ppbv

RT: 4.134 min Scan# 41

Delta R.T. 0.003 min

Lab File: VL040440.D

Acq: 16 May 2023 16:19

Instrument :

MSVOA_L

ClientSampleId :

VL0516ABS01

Tgt Ion: 76 Resp: 141675

Ion Ratio Lower Upper

76 100

44 18.5 15.3 22.9

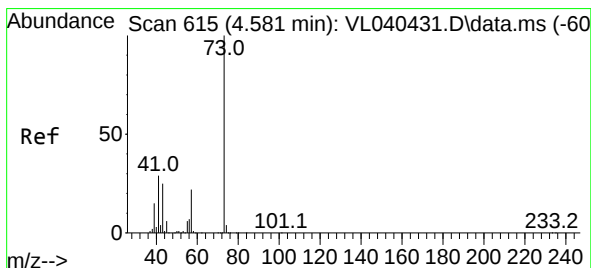
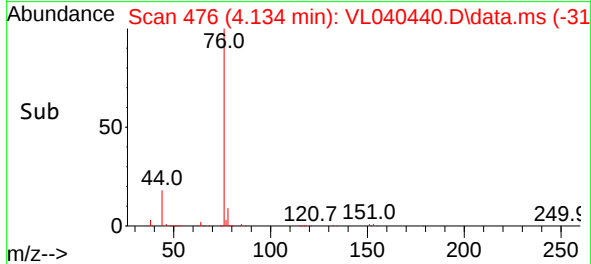
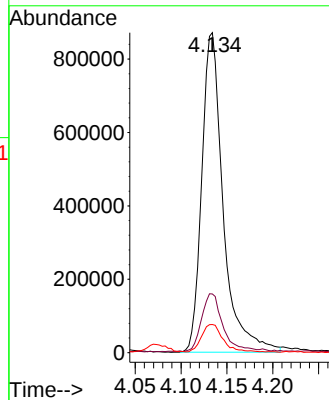
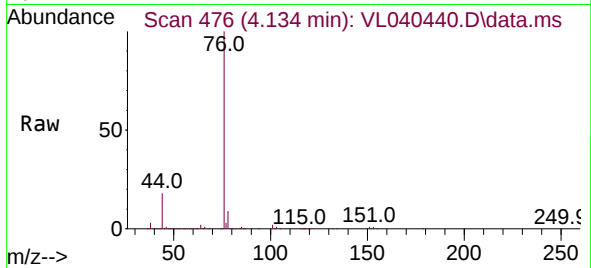
78 9.3 7.4 11.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 05/17/2023

Supervised By :Mahesh Dadoda 05/17/2023



#28

Methyl tert-Butyl Ether

Concen: 9.439 ppbv

RT: 4.597 min Scan# 620

Delta R.T. 0.003 min

Lab File: VL040440.D

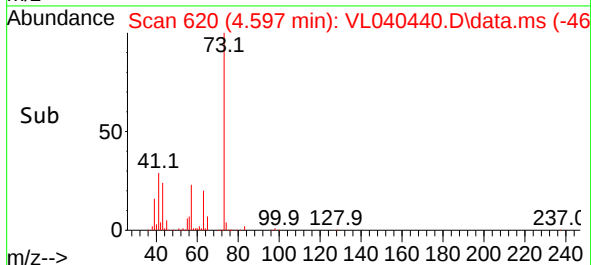
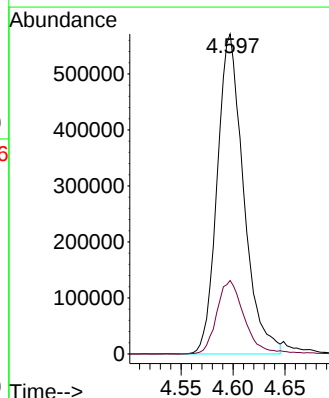
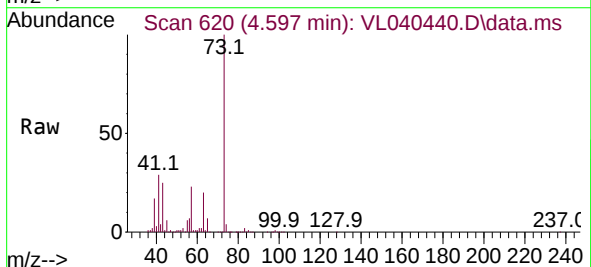
Acq: 16 May 2023 16:19

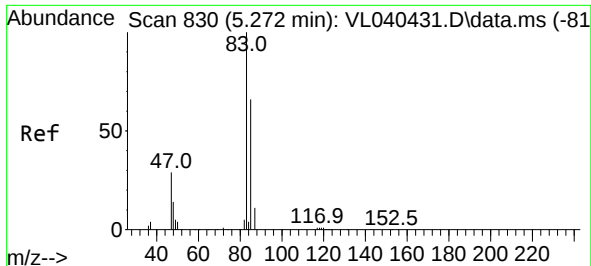
Tgt Ion: 73 Resp: 1006912

Ion Ratio Lower Upper

73 100

57 24.4 18.9 28.3





#29

Chloroform

Concen: 9.615 ppbv

RT: 5.292 min Scan# 81

Delta R.T. 0.007 min

Lab File: VL040440.D

Acq: 16 May 2023 16:19

Instrument :

MSVOA_L

ClientSampleId :

VL0516ABS01

Tgt Ion: 83 Resp: 1760450

Ion Ratio Lower Upper

83 100

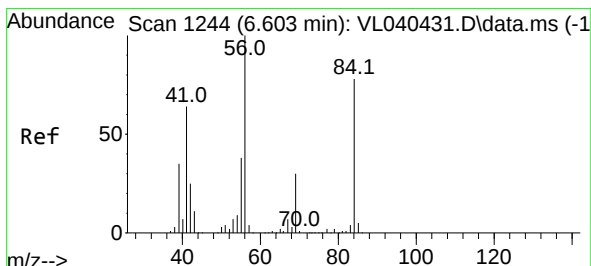
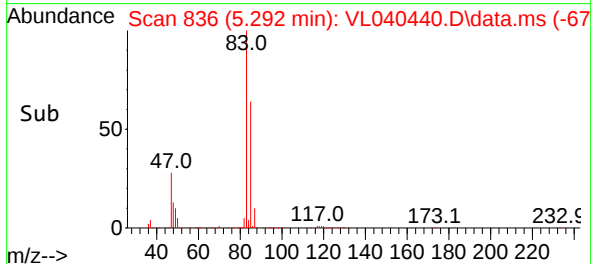
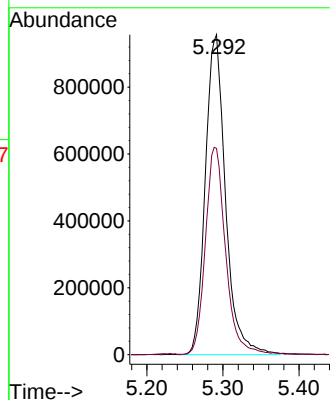
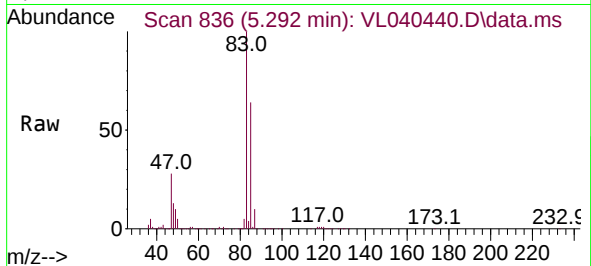
85 64.3 52.4 78.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 05/17/2023

Supervised By :Mahesh Dadoda 05/17/2023



#30

Cyclohexane

Concen: 10.137 ppbv

RT: 6.623 min Scan# 1250

Delta R.T. 0.007 min

Lab File: VL040440.D

Acq: 16 May 2023 16:19

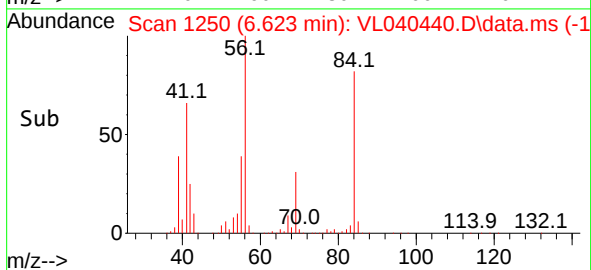
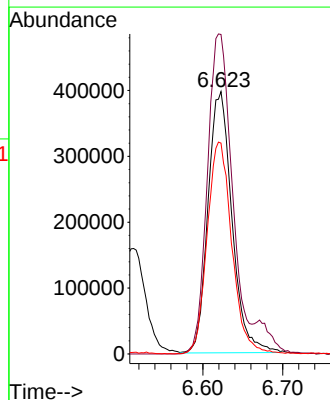
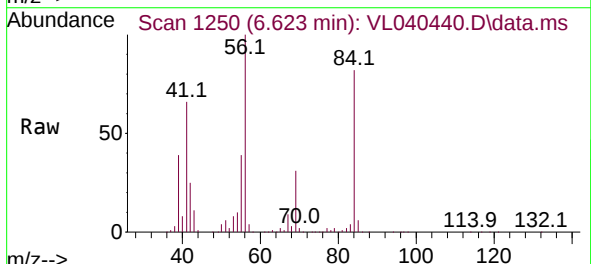
Tgt Ion: 84 Resp: 828043

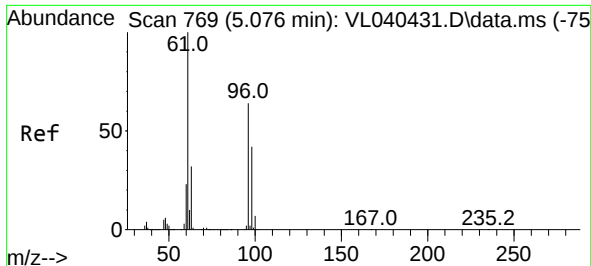
Ion Ratio Lower Upper

84 100

56 135.1 108.2 162.4

41 84.1 66.9 100.3





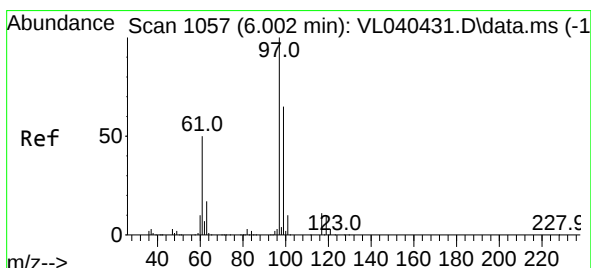
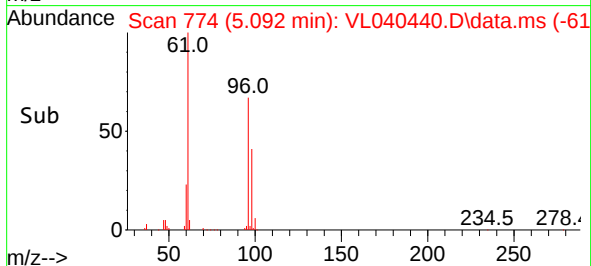
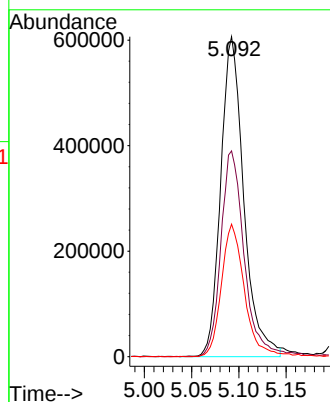
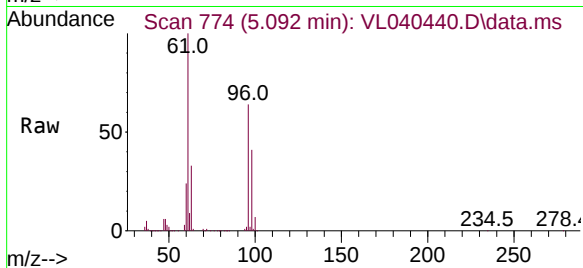
#31
 cis-1,2-Dichloroethene
 Concen: 10.333 ppbv
 RT: 5.092 min Scan# 71
 Delta R.T. 0.003 min
 Lab File: VL040440.D
 Acq: 16 May 2023 16:19

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0516ABS01

Tgt Ion: 61 Resp: 102758
 Ion Ratio Lower Upper
 61 100
 96 64.3 51.4 77.0
 98 41.3 33.6 50.4

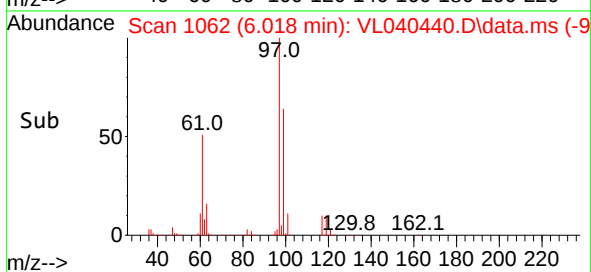
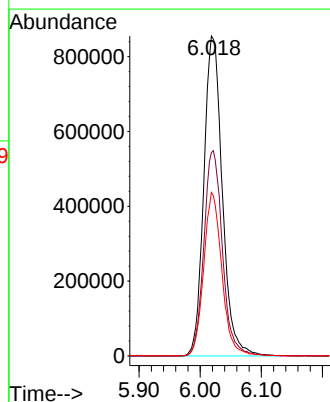
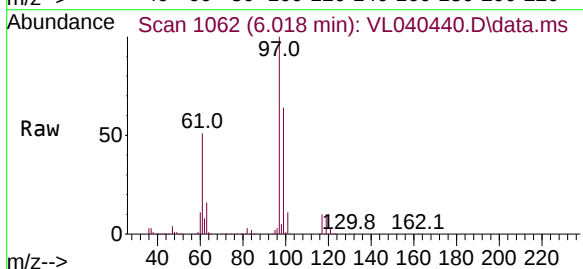
Manual Integrations
 APPROVED

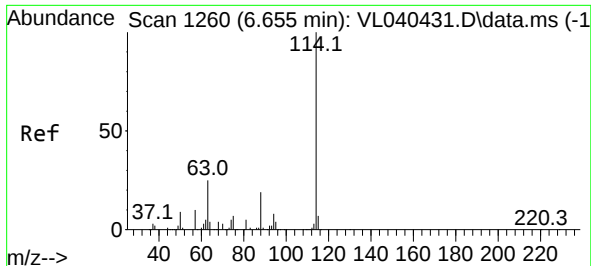
Reviewed By :Semsettin Yesilyurt 05/17/2023
 Supervised By :Mahesh Dadoda 05/17/2023



#32
 1,1,1-Trichloroethane
 Concen: 9.461 ppbv
 RT: 6.018 min Scan# 1062
 Delta R.T. 0.003 min
 Lab File: VL040440.D
 Acq: 16 May 2023 16:19

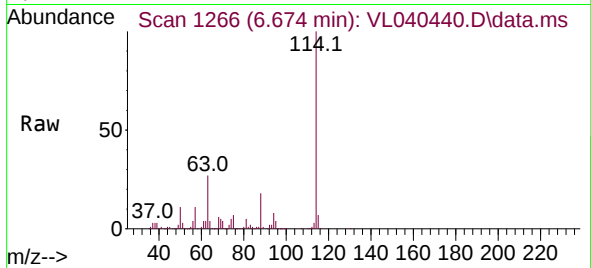
Tgt Ion: 97 Resp: 1799694
 Ion Ratio Lower Upper
 97 100
 99 64.4 52.2 78.2
 61 50.2 40.2 60.4





#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.674 min Scan# 114
Delta R.T. 0.003 min
Lab File: VL040440.D
Acq: 16 May 2023 16:19

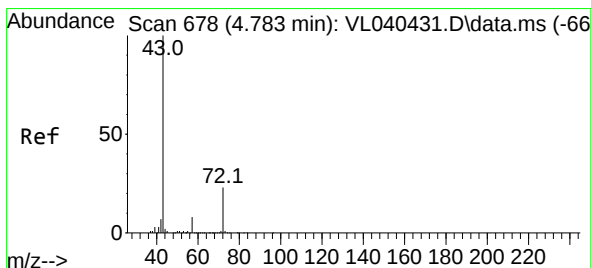
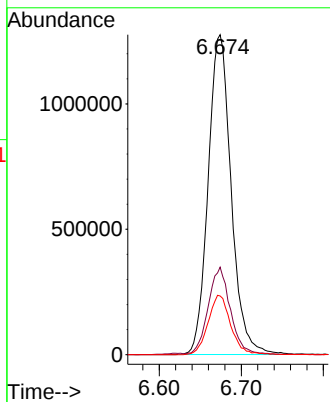
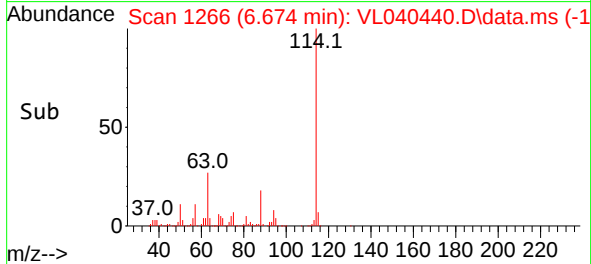
Instrument :
MSVOA_L
ClientSampleId :
VL0516ABS01



Tgt Ion:114 Resp: 248988
Ion Ratio Lower Upper
114 100
63 27.0 21.0 31.6
88 18.3 14.6 22.0

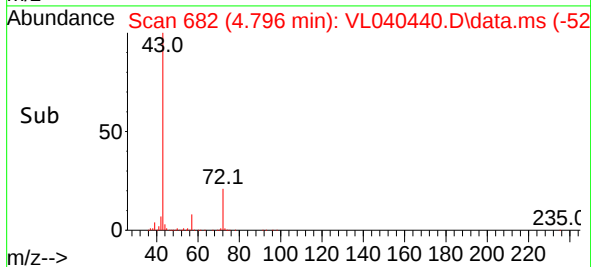
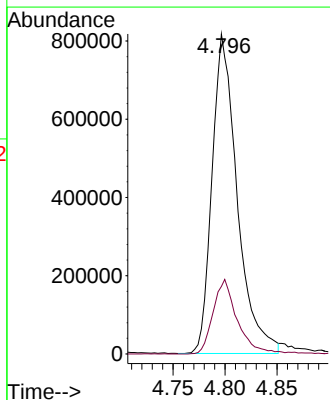
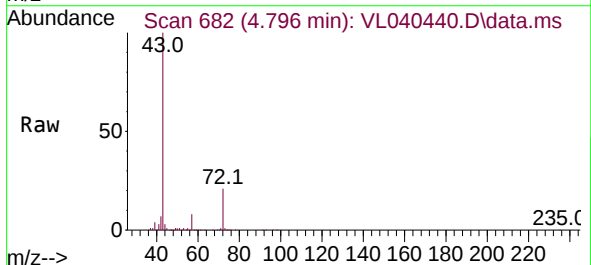
Manual Integrations
APPROVED

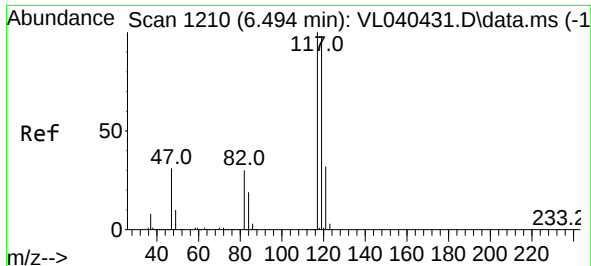
Reviewed By :Semsettin Yesilyurt 05/17/2023
Supervised By :Mahesh Dadoda 05/17/2023



#34
2-Butanone
Concen: 10.367 ppbv
RT: 4.796 min Scan# 682
Delta R.T. 0.000 min
Lab File: VL040440.D
Acq: 16 May 2023 16:19

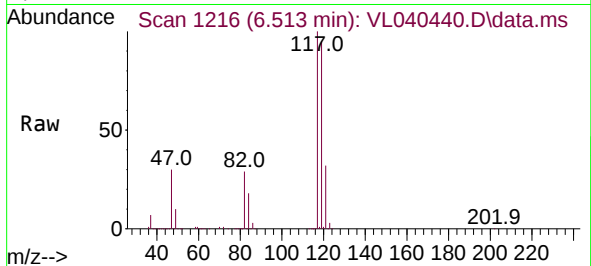
Tgt Ion: 43 Resp: 1374155
Ion Ratio Lower Upper
43 100
72 22.8 18.3 27.5





#35
Carbon Tetrachloride
Concen: 10.292 ppbv
RT: 6.513 min Scan# 1177
Delta R.T. 0.003 min
Lab File: VL040440.D
Acq: 16 May 2023 16:19

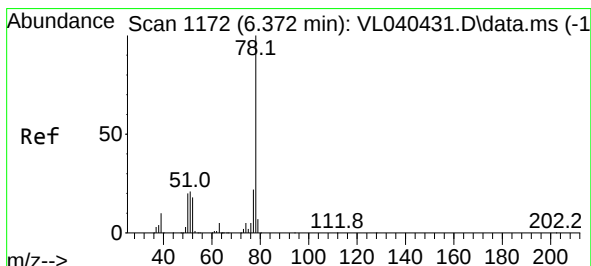
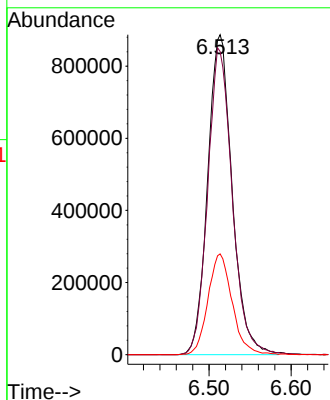
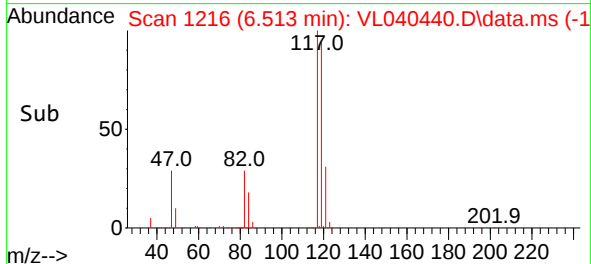
Instrument :
MSVOA_L
ClientSampleId :
VL0516ABS01



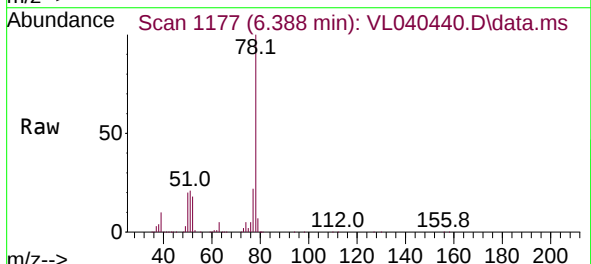
Tgt Ion: 117 Resp: 1839450
Ion Ratio Lower Upper
117 100
119 94.7 78.0 117.0
121 31.5 25.2 37.8

Manual Integrations
APPROVED

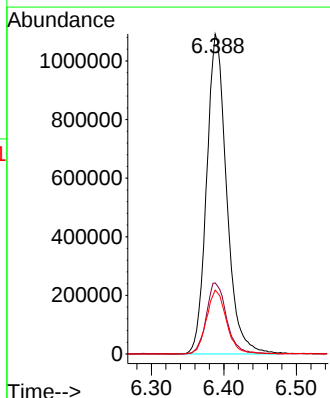
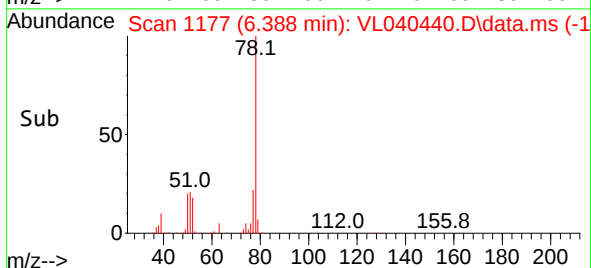
Reviewed By :Semsettin Yesilyurt 05/17/2023
Supervised By :Mahesh Dadoda 05/17/2023

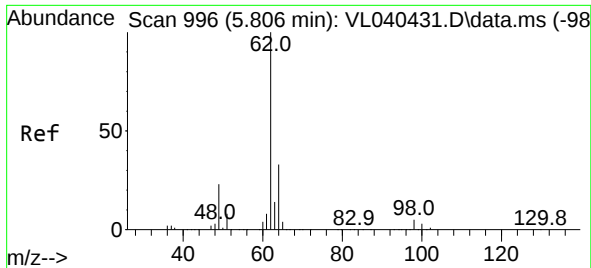


#36
Benzene
Concen: 10.334 ppbv
RT: 6.388 min Scan# 1177
Delta R.T. 0.003 min
Lab File: VL040440.D
Acq: 16 May 2023 16:19



Tgt Ion: 78 Resp: 2089833
Ion Ratio Lower Upper
78 100
77 22.1 17.7 26.5
50 19.9 15.8 23.8





#37
1,2-Dichloroethane
Concen: 10.491 ppbv
RT: 5.825 min Scan# 1002
Delta R.T. 0.007 min
Lab File: VL040440.D
Acq: 16 May 2023 16:19

Instrument :

MSVOA_L

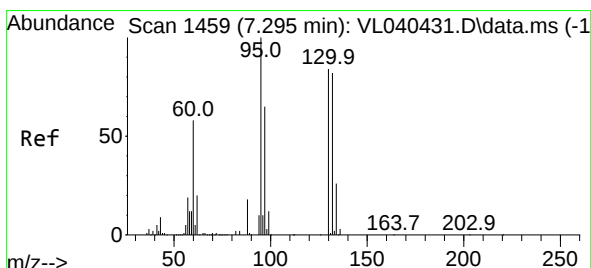
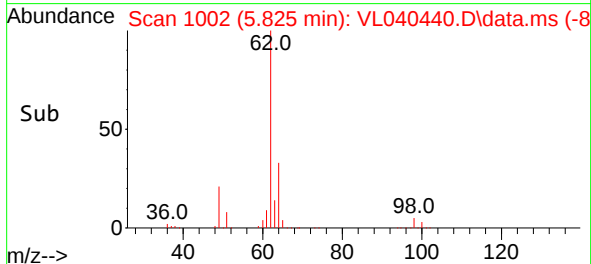
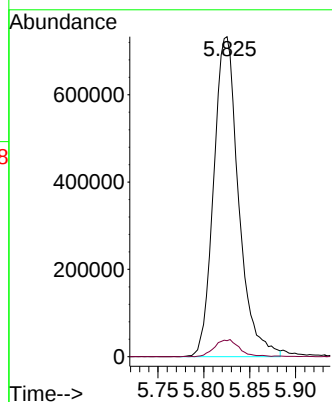
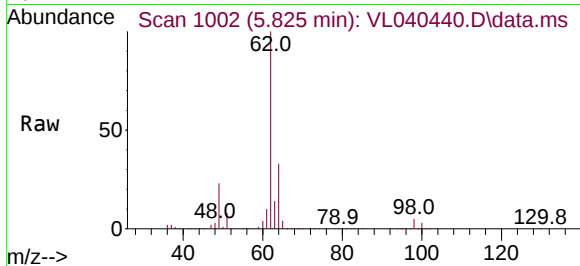
ClientSampleId :

VL0516ABS01

Tgt Ion: 62 Resp: 1386294
Ion Ratio Lower Upper
62 100
98 5.5 4.5 6.7

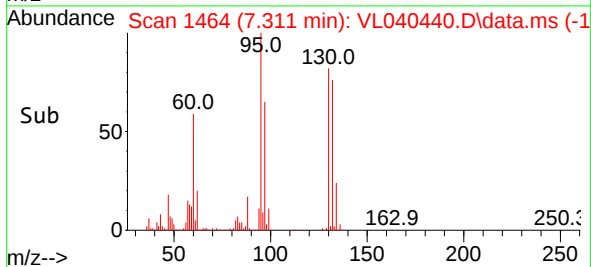
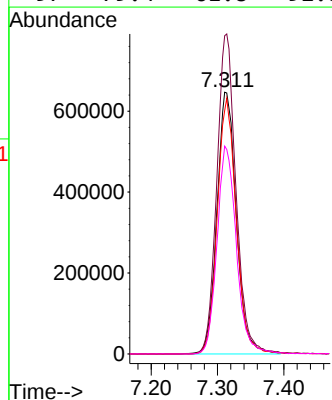
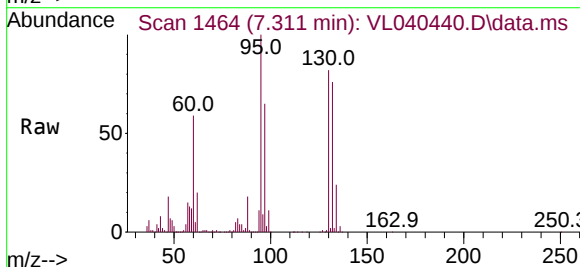
Manual Integrations
APPROVED

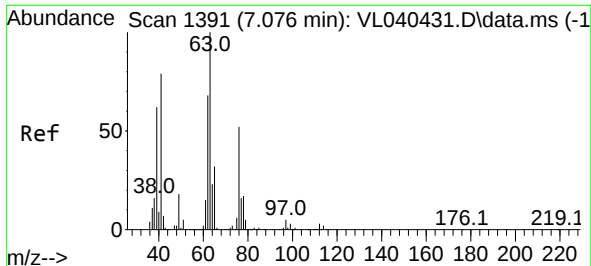
Reviewed By :Semsettin Yesilyurt 05/17/2023
Supervised By :Mahesh Dadoda 05/17/2023



#38
Trichloroethene
Concen: 10.570 ppbv
RT: 7.311 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VL040440.D
Acq: 16 May 2023 16:19

Tgt Ion:130 Resp: 1316848
Ion Ratio Lower Upper
130 100
95 121.5 94.8 142.2
132 93.0 78.2 117.4
97 79.4 61.8 92.8





#39

1,2-Dichloropropane

Concen: 10.112 ppbv

RT: 7.092 min Scan# 1463

Delta R.T. 0.003 min

Lab File: VL040440.D

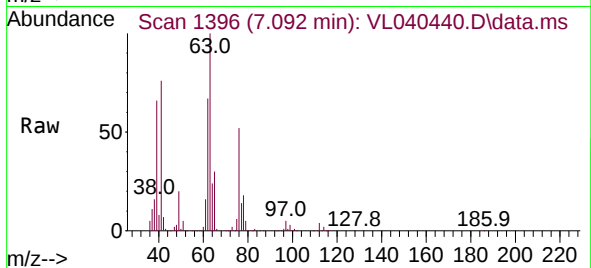
Acq: 16 May 2023 16:19

Instrument :

MSVOA_L

ClientSampleId :

VL0516ABS01



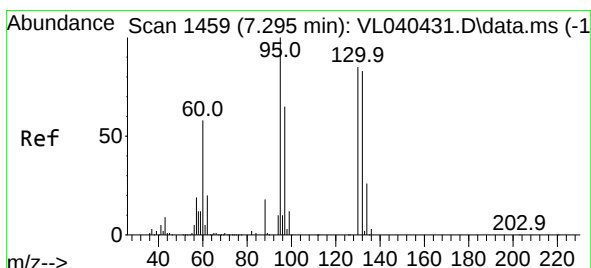
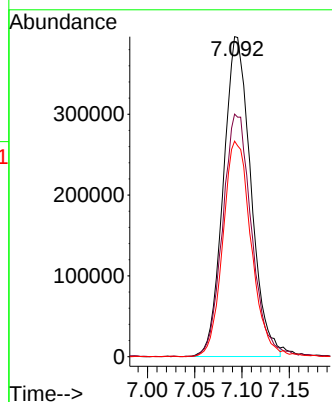
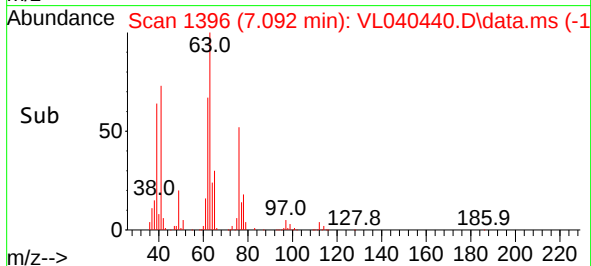
Tgt Ion: 63 Resp: 801009

Ion	Ratio	Lower	Upper
63	100		
41	75.8	63.3	94.9
62	67.4	54.2	81.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 05/17/2023
Supervised By :Mahesh Dadoda 05/17/2023



#40

1,4-Dioxane

Concen: 10.376 ppbv

RT: 7.308 min Scan# 1463

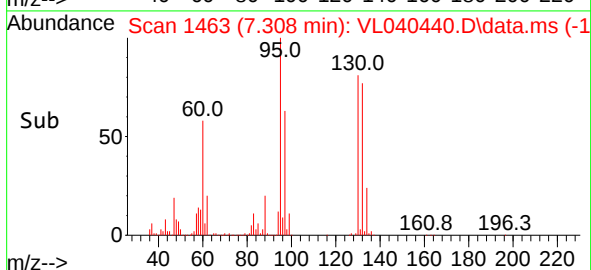
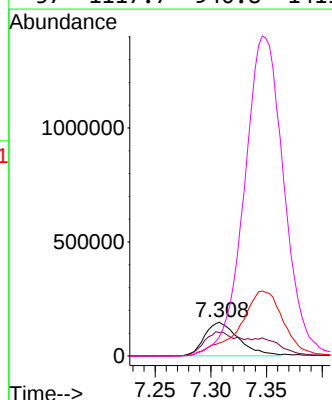
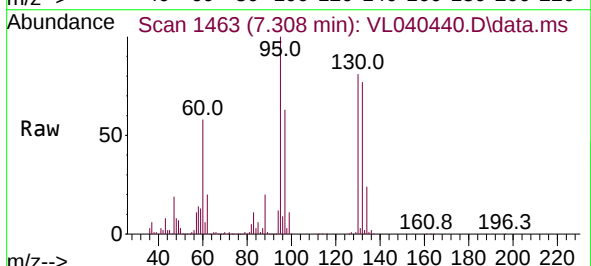
Delta R.T. 0.003 min

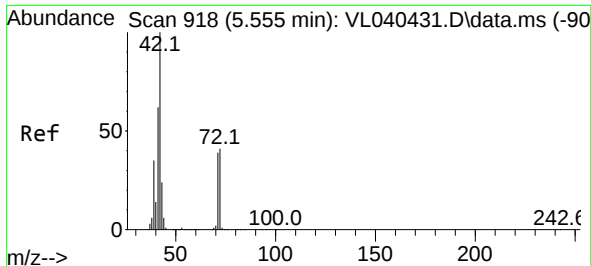
Lab File: VL040440.D

Acq: 16 May 2023 16:19

Tgt Ion: 88 Resp: 312642

Ion	Ratio	Lower	Upper
88	100		
58	124.5	101.5	152.3
43	253.0	211.7	317.5
57	1117.7	940.8	1411.2





#41

Tetrahydrofuran

Concen: 10.692 ppbv

RT: 5.571 min Scan# 91

Delta R.T. 0.003 min

Lab File: VL040440.D

Acq: 16 May 2023 16:19

Instrument :

MSVOA_L

ClientSampleId :

VL0516ABS01

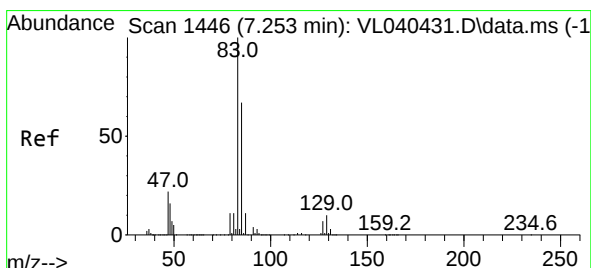
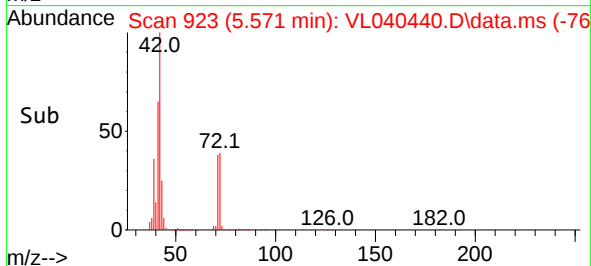
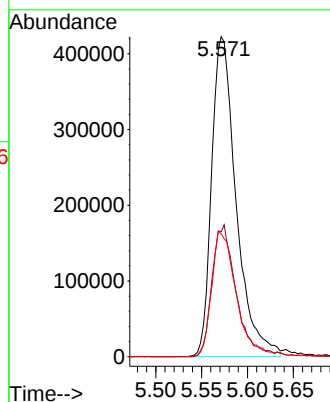
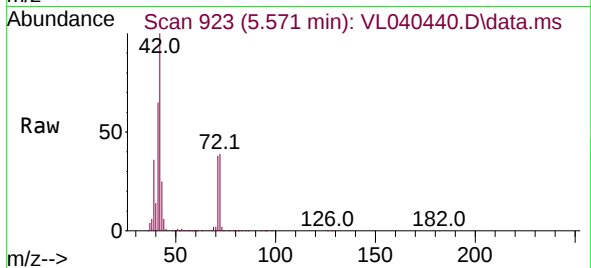
Tgt Ion: 42 Resp: 786438

Ion	Ratio	Lower	Upper
42	100		
72	41.1	33.0	49.4
71	40.0	32.2	48.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 05/17/2023
Supervised By :Mahesh Dadoda 05/17/2023



#42

Bromodichloromethane

Concen: 10.855 ppbv

RT: 7.269 min Scan# 1451

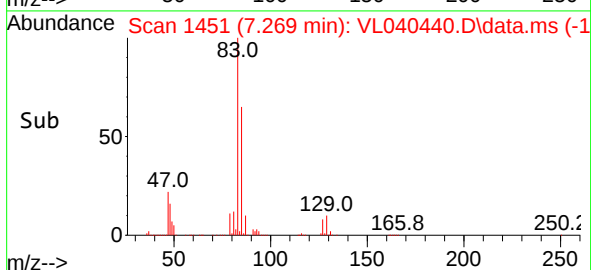
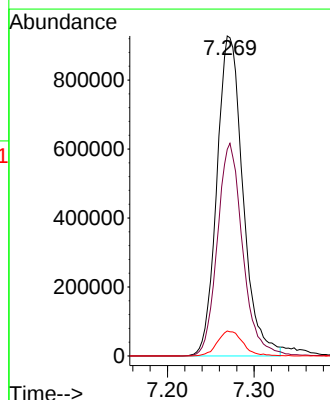
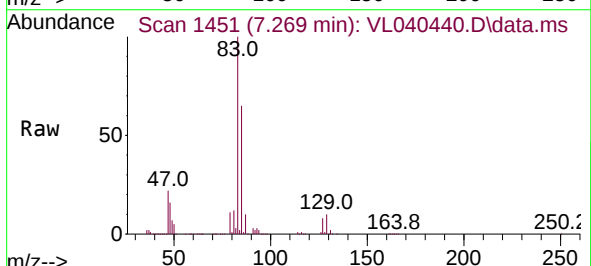
Delta R.T. 0.003 min

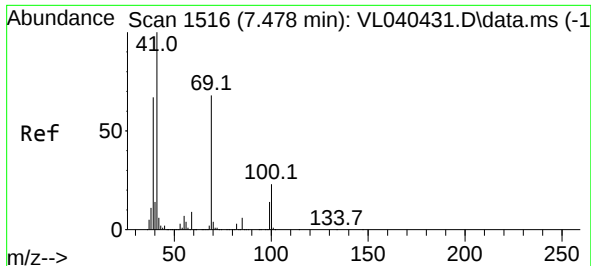
Lab File: VL040440.D

Acq: 16 May 2023 16:19

Tgt Ion: 83 Resp: 1941571

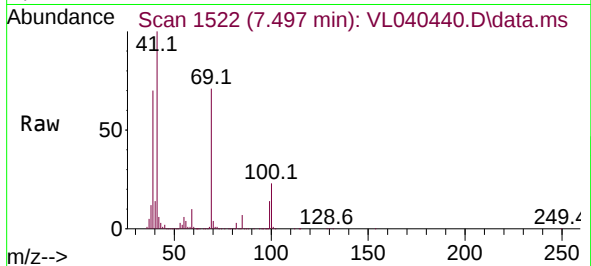
Ion	Ratio	Lower	Upper
83	100		
85	64.5	53.6	80.4
127	7.8	5.9	8.9





#43
Methyl Methacrylate
Concen: 11.440 ppbv
RT: 7.497 min Scan# 11
Delta R.T. 0.007 min
Lab File: VL040440.D
Acq: 16 May 2023 16:19

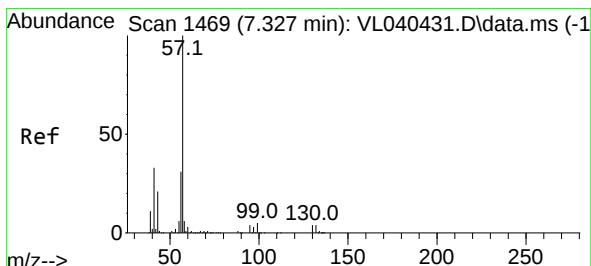
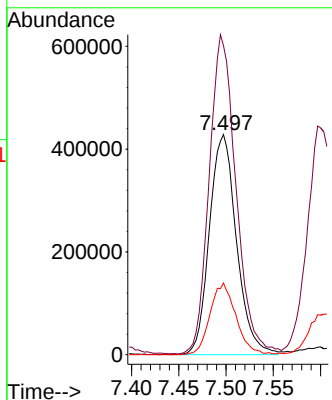
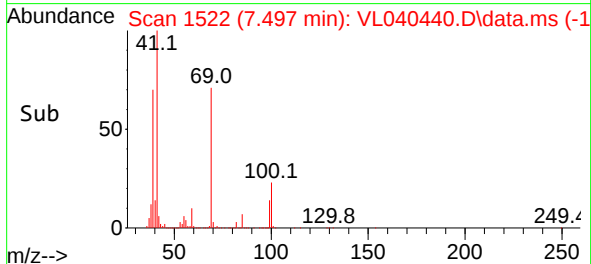
Instrument :
MSVOA_L
ClientSampleId :
VL0516ABS01



Tgt Ion: 69 Resp: 855850
Ion Ratio Lower Upper
69 100
41 143.4 114.8 172.2
100 31.2 25.4 38.0

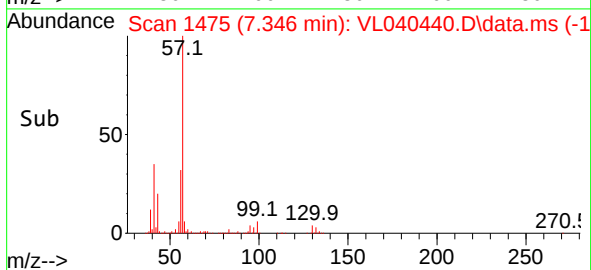
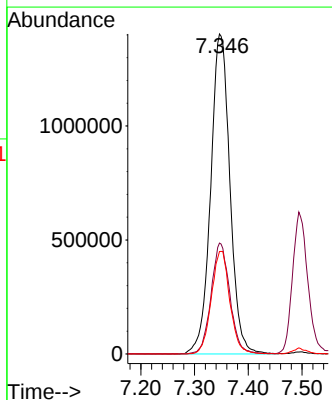
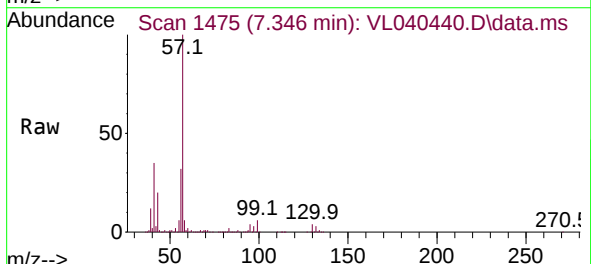
Manual Integrations
APPROVED

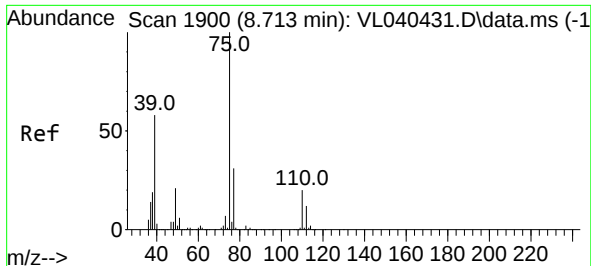
Reviewed By :Semsettin Yesilyurt 05/17/2023
Supervised By :Mahesh Dadoda 05/17/2023



#44
2,2,4-Trimethylpentane
Concen: 10.442 ppbv
RT: 7.346 min Scan# 1475
Delta R.T. 0.003 min
Lab File: VL040440.D
Acq: 16 May 2023 16:19

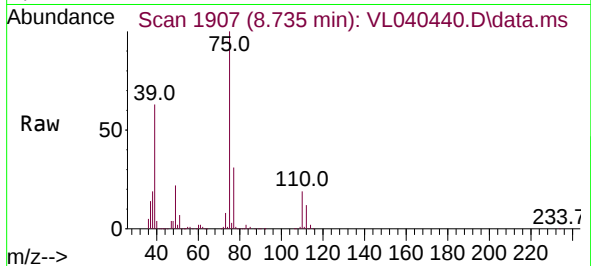
Tgt Ion: 57 Resp: 3494505
Ion Ratio Lower Upper
57 100
41 33.8 27.0 40.4
56 30.9 25.0 37.4





#45
 t-1,3-Dichloropropene
 Concen: 12.815 ppbv
 RT: 8.735 min Scan# 1900
 Delta R.T. 0.007 min
 Lab File: VL040440.D
 Acq: 16 May 2023 16:19

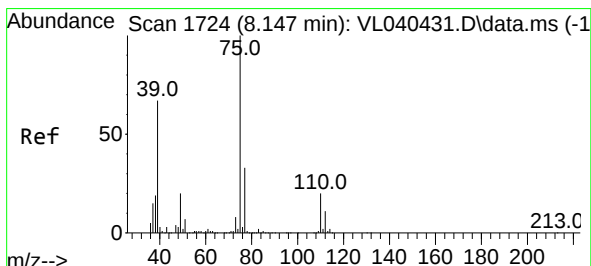
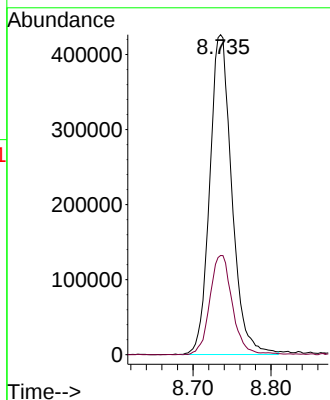
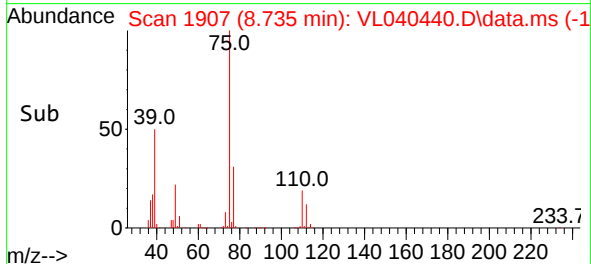
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0516ABS01



Tgt Ion: 75 Resp: 83986
 Ion Ratio Lower Upper
 75 100
 77 31.0 25.0 37.6

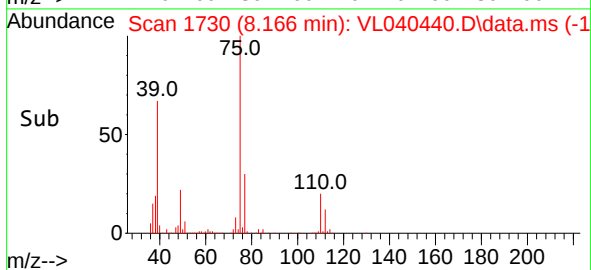
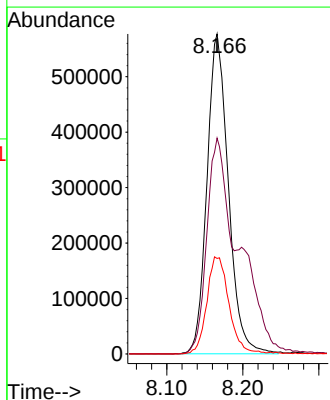
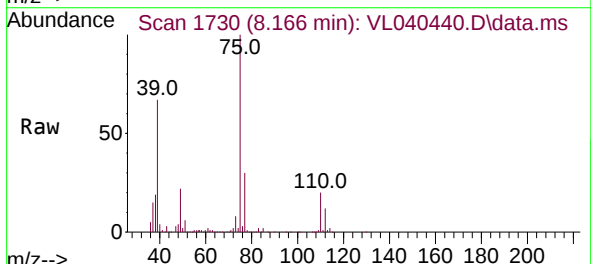
Manual Integrations
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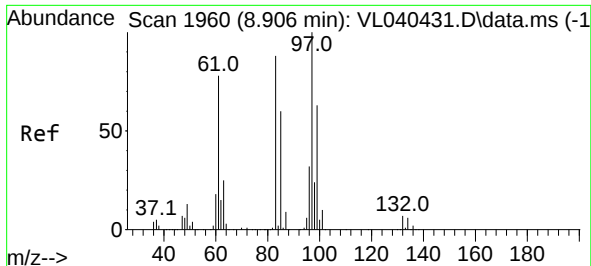
Reviewed By :Semsettin Yesilyurt 05/17/2023
 Supervised By :Mahesh Dadoda 05/17/2023



#46
 cis-1,3-Dichloropropene
 Concen: 12.165 ppbv
 RT: 8.166 min Scan# 1730
 Delta R.T. 0.003 min
 Lab File: VL040440.D
 Acq: 16 May 2023 16:19

Tgt Ion: 75 Resp: 1126645
 Ion Ratio Lower Upper
 75 100
 39 67.4 53.8 80.8
 77 29.8 26.3 39.5





#47

1,1,2-Trichloroethane

Concen: 10.318 ppbv

RT: 8.922 min Scan# 1965

Delta R.T. 0.000 min

Lab File: VL040440.D

Acq: 16 May 2023 16:19

Instrument :

MSVOA_L

ClientSampleId :

VL0516ABS01

Tgt Ion: 97 Resp: 89212

Ion Ratio Lower Upper

97 100

83 88.5 70.3 105.5

85 57.0 47.7 71.5

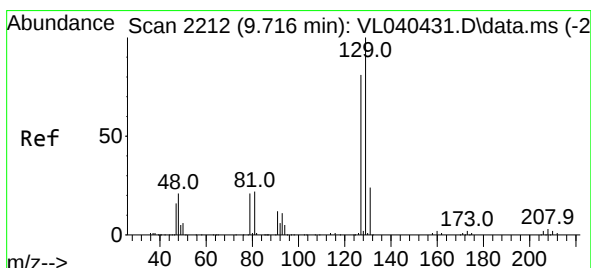
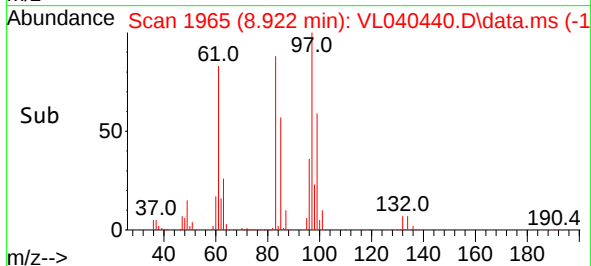
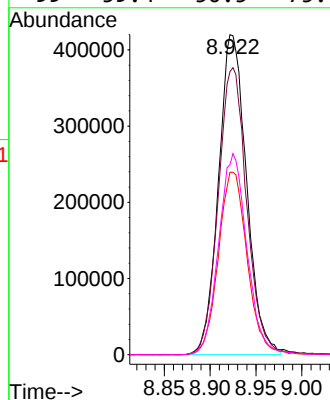
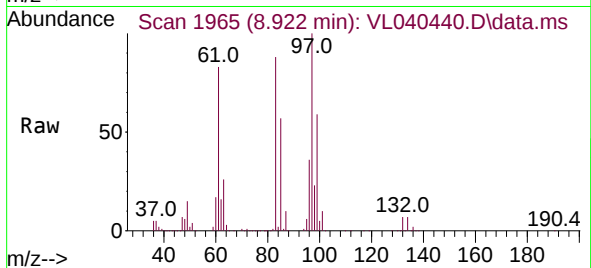
99 59.4 50.5 75.7

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 05/17/2023

Supervised By :Mahesh Dadoda 05/17/2023



#48

Dibromochloromethane

Concen: 11.376 ppbv

RT: 9.735 min Scan# 2218

Delta R.T. 0.003 min

Lab File: VL040440.D

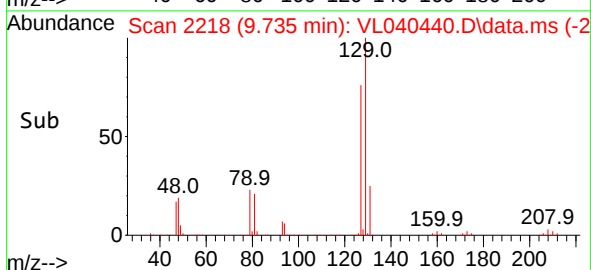
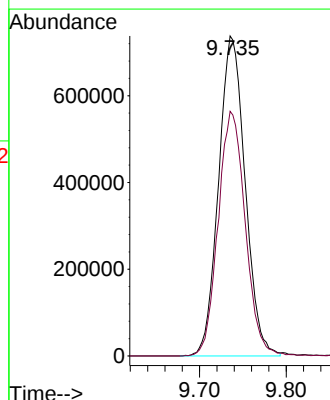
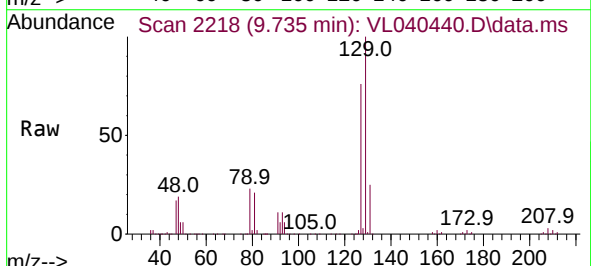
Acq: 16 May 2023 16:19

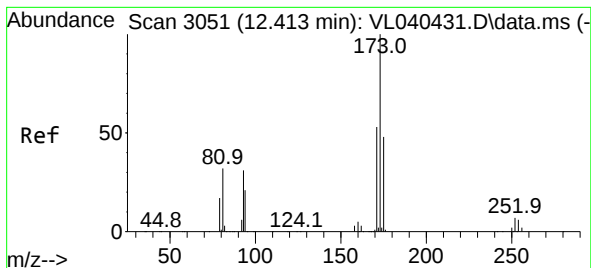
Tgt Ion:129 Resp: 1571029

Ion Ratio Lower Upper

129 100

127 78.3 39.2 117.6





#49

Bromoform

Concen: 11.743 ppbv

RT: 12.436 min Scan# 3051

Delta R.T. 0.003 min

Lab File: VL040440.D

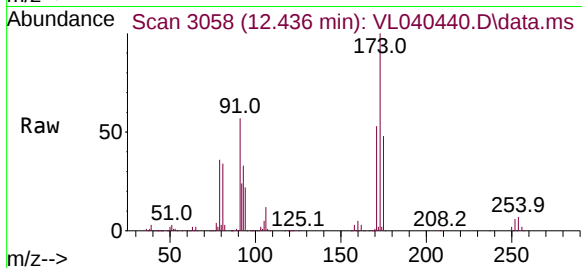
Acq: 16 May 2023 16:19

Instrument :

MSVOA_L

ClientSampleId :

VL0516ABS01



Tgt Ion:173 Resp: 1279474

Ion Ratio Lower Upper

173 100

175 49.4 39.4 59.2

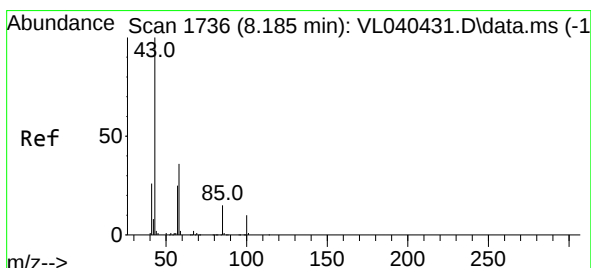
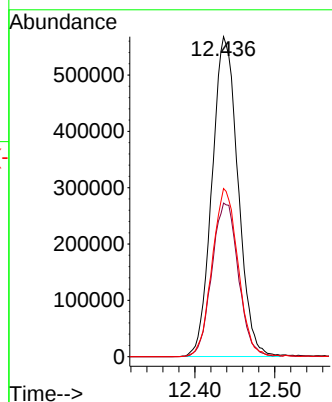
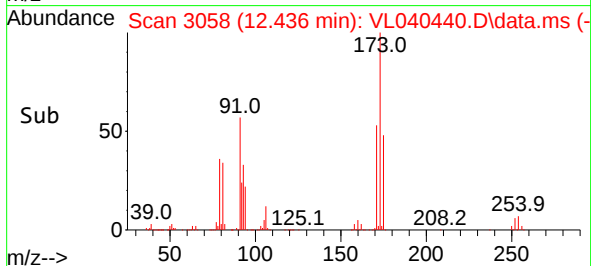
171 52.7 42.0 63.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 05/17/2023

Supervised By :Mahesh Dadoda 05/17/2023



#50

4-Methyl-2-Pentanone

Concen: 10.898 ppbv

RT: 8.201 min Scan# 1741

Delta R.T. 0.003 min

Lab File: VL040440.D

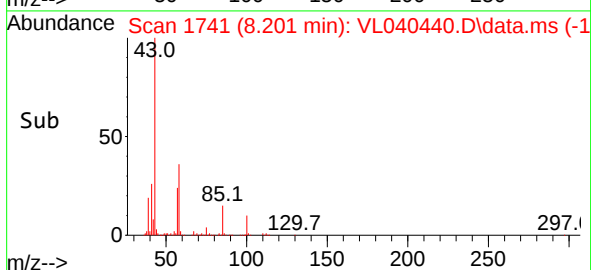
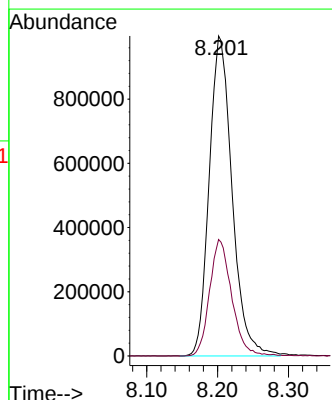
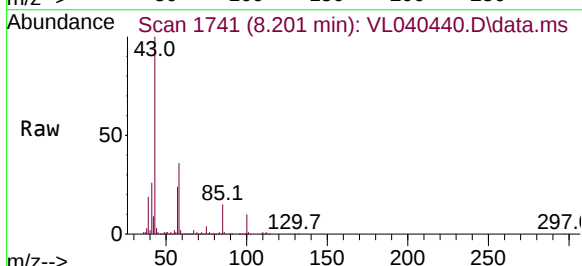
Acq: 16 May 2023 16:19

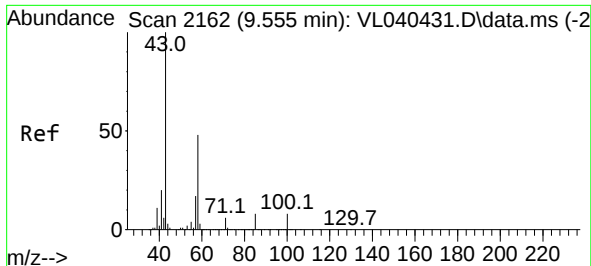
Tgt Ion: 43 Resp: 2231519

Ion Ratio Lower Upper

43 100

58 35.3 28.8 43.2





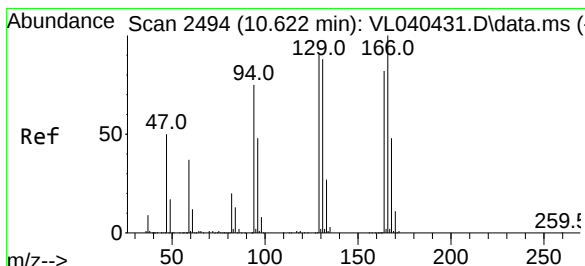
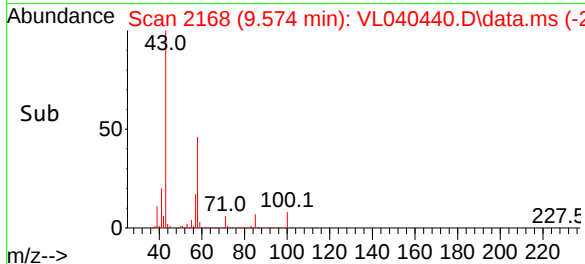
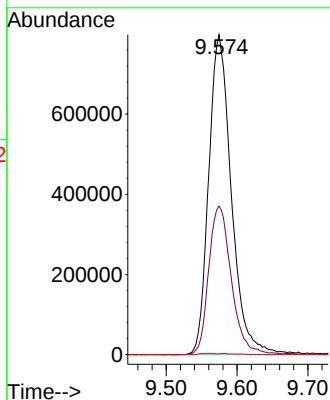
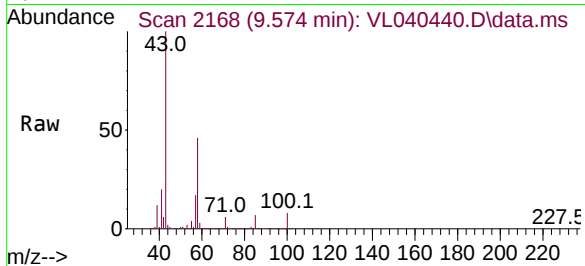
#51
2-Hexanone
Concen: 11.727 ppbv
RT: 9.574 min Scan# 2162
Delta R.T. 0.007 min
Lab File: VL040440.D
Acq: 16 May 2023 16:19

Instrument :
MSVOA_L
ClientSampleId :
VL0516ABS01

Tgt Ion: 43 Resp: 176880
Ion Ratio Lower Upper
43 100
58 46.8 38.5 57.7
98 0.6 0.2 0.4

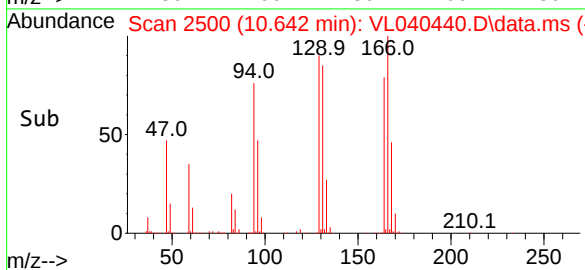
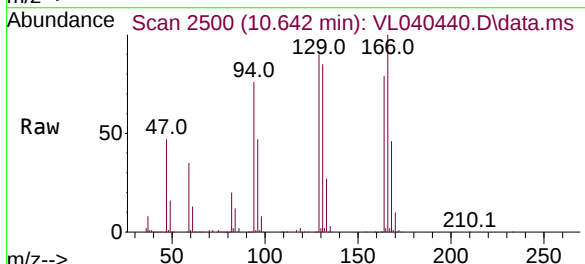
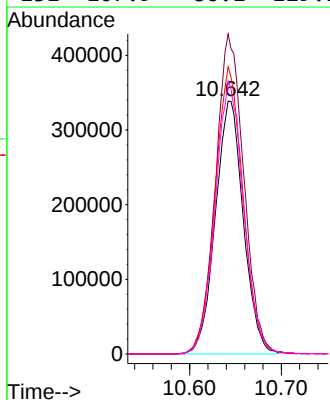
Manual Integrations
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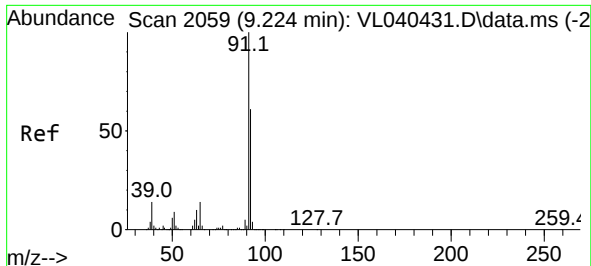
Reviewed By :Semsettin Yesilyurt 05/17/2023
Supervised By :Mahesh Dadoda 05/17/2023



#52
Tetrachloroethene
Concen: 10.438 ppbv
RT: 10.642 min Scan# 2500
Delta R.T. 0.003 min
Lab File: VL040440.D
Acq: 16 May 2023 16:19

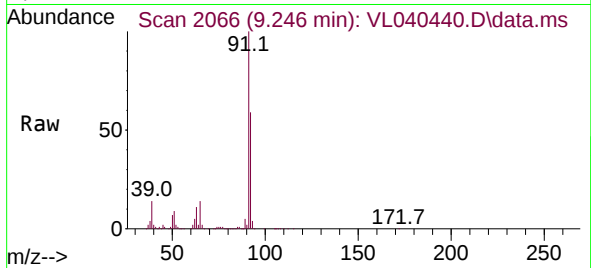
Tgt Ion:164 Resp: 716815
Ion Ratio Lower Upper
164 100
166 126.5 97.8 146.6
129 113.5 88.4 132.6
131 107.9 86.1 129.1





#53
Toluene
Concen: 11.424 ppbv
RT: 9.246 min Scan# 2059
Delta R.T. 0.003 min
Lab File: VL040440.D
Acq: 16 May 2023 16:19

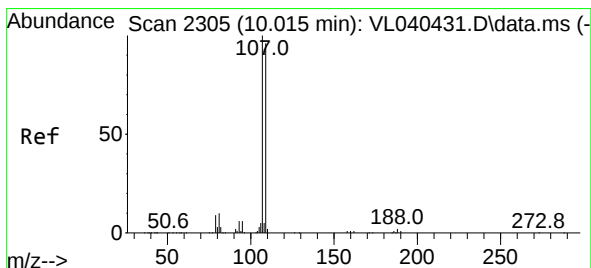
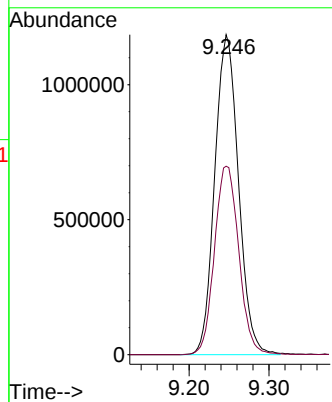
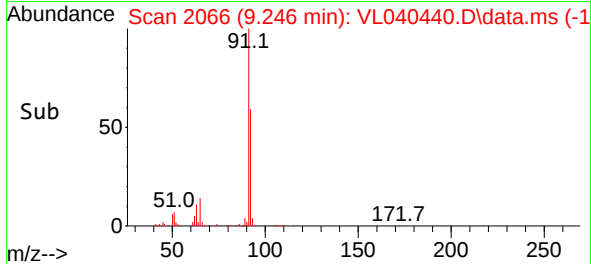
Instrument :
MSVOA_L
ClientSampleId :
VL0516ABS01



Tgt Ion: 91 Resp: 244010
Ion Ratio Lower Upper
91 100
92 60.5 49.1 73.7

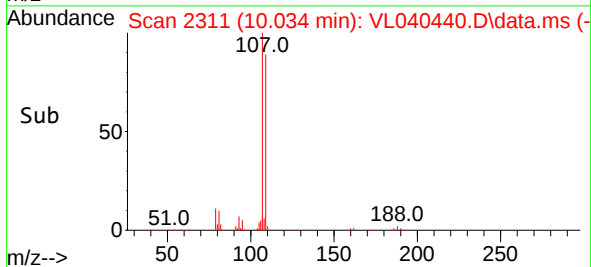
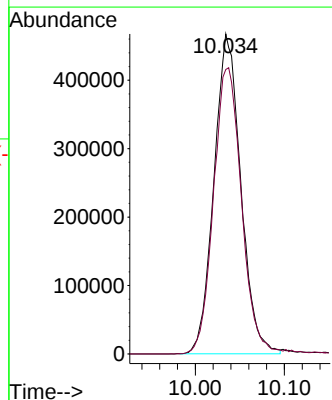
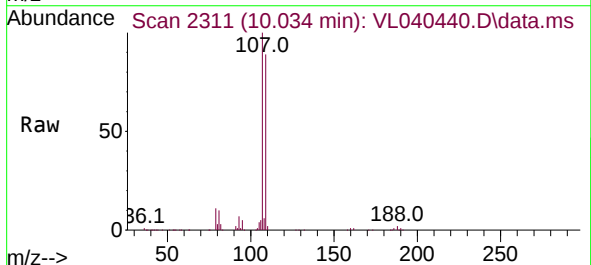
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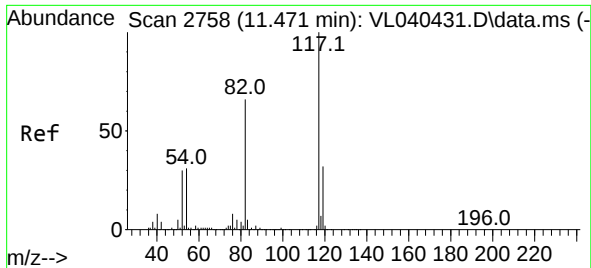
Reviewed By :Semsettin Yesilyurt 05/17/2023
Supervised By :Mahesh Dadoda 05/17/2023



#54
1,2-Dibromoethane
Concen: 11.310 ppbv
RT: 10.034 min Scan# 2311
Delta R.T. 0.003 min
Lab File: VL040440.D
Acq: 16 May 2023 16:19

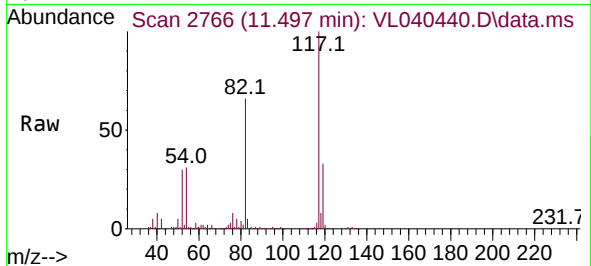
Tgt Ion:107 Resp: 977278
Ion Ratio Lower Upper
107 100
109 88.8 76.7 115.1





#55
Chlorobenzene-d5
Concen: 10.000 ppbv m
RT: 11.497 min Scan# 2758
Delta R.T. 0.007 min
Lab File: VL040440.D
Acq: 16 May 2023 16:19

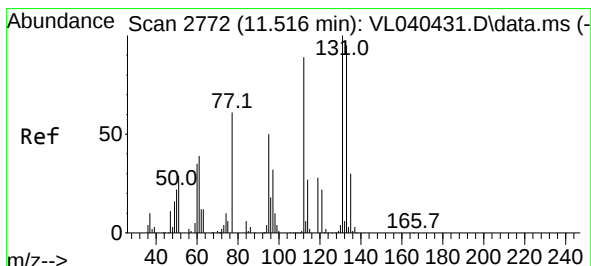
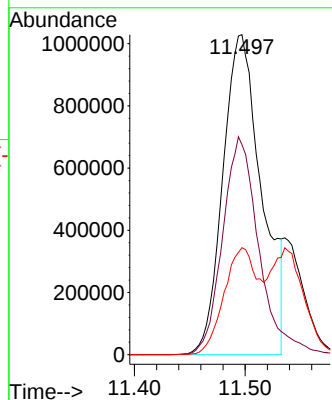
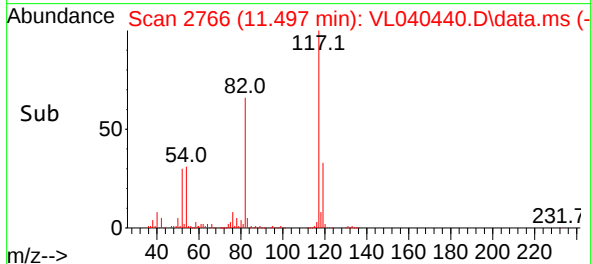
Instrument :
MSVOA_L
ClientSampleId :
VL0516ABS01



Tgt Ion:117 Resp: 2507940
Ion Ratio Lower Upper
117 100
82 63.9 52.5 78.7
119 29.4 24.0 36.0

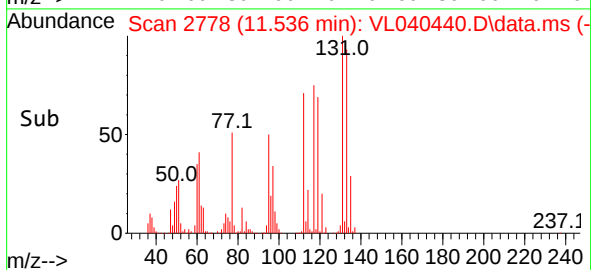
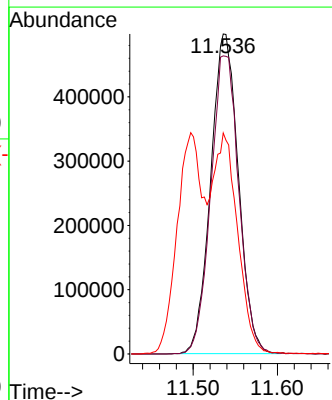
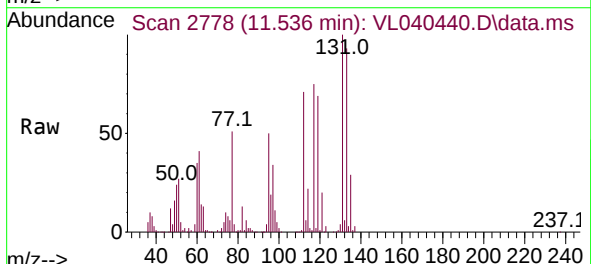
Manual Integrations
APPROVED

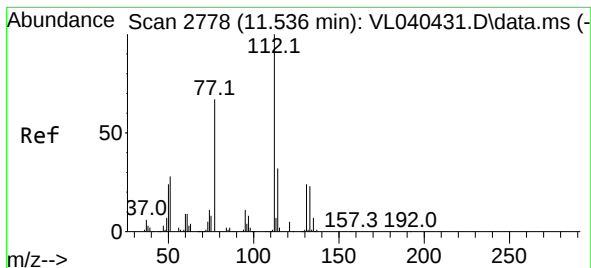
Reviewed By :Semsettin Yesilyurt 05/17/2023
Supervised By :Mahesh Dadoda 05/17/2023



#56
1,1,1,2-Tetrachloroethane
Concen: 9.764 ppbv
RT: 11.536 min Scan# 2778
Delta R.T. 0.007 min
Lab File: VL040440.D
Acq: 16 May 2023 16:19

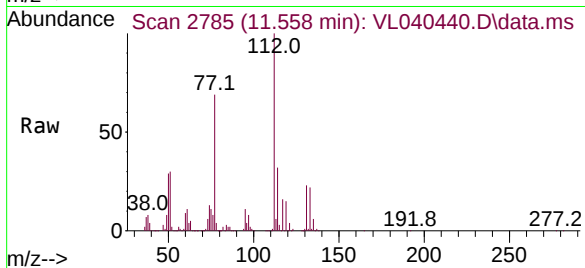
Tgt Ion:131 Resp: 1134031
Ion Ratio Lower Upper
131 100
133 95.1 75.8 113.8
119 63.6 48.7 73.1





#57
Chlorobenzene
Concen: 9.424 ppbv
RT: 11.558 min Scan# 21
Delta R.T. 0.007 min
Lab File: VL040440.D
Acq: 16 May 2023 16:19

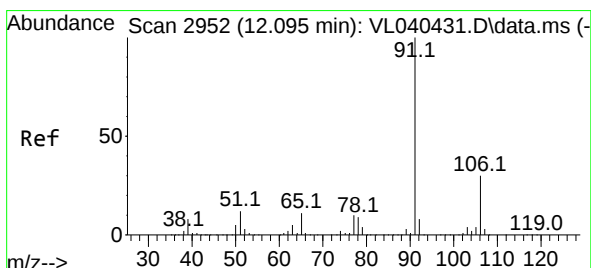
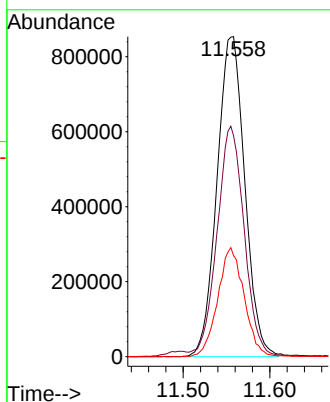
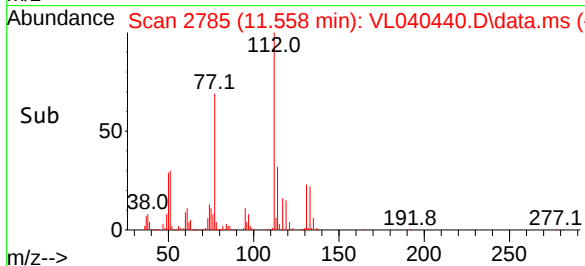
Instrument :
MSVOA_L
ClientSampleId :
VL0516ABS01



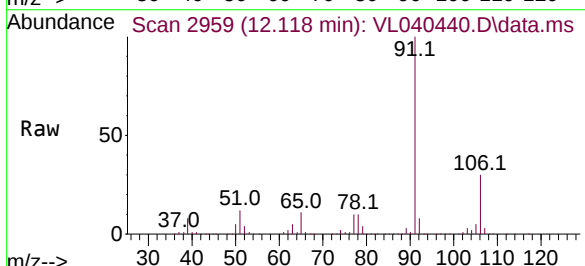
Tgt Ion: 112 Resp: 1902894
Ion Ratio Lower Upper
112 100
77 68.5 54.7 82.1
114 31.6 29.0 35.4

Manual Integrations
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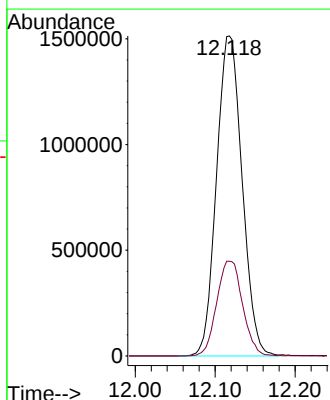
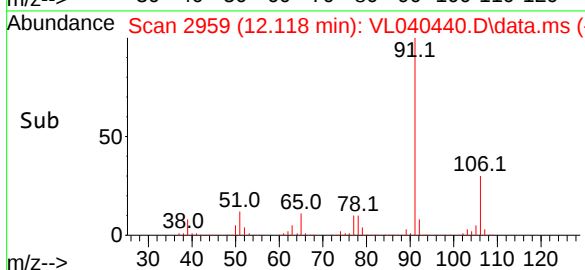
Reviewed By :Semsettin Yesilyurt 05/17/2023
Supervised By :Mahesh Dadoda 05/17/2023

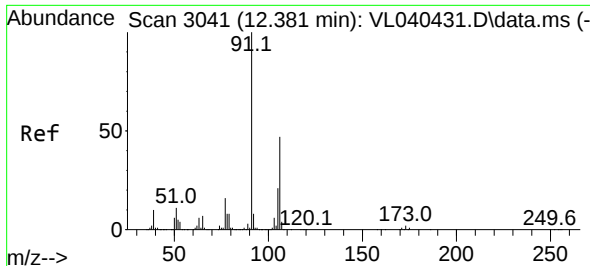


#58
Ethyl Benzene
Concen: 10.587 ppbv
RT: 12.118 min Scan# 2959
Delta R.T. 0.007 min
Lab File: VL040440.D
Acq: 16 May 2023 16:19



Tgt Ion: 91 Resp: 3360208
Ion Ratio Lower Upper
91 100
106 29.6 23.8 35.8





#59

m/p-Xylene

Concen: 20.459 ppbv m

RT: 12.401 min Scan# 3041

Delta R.T. 0.003 min

Lab File: VL040440.D

Acq: 16 May 2023 16:19

Instrument :

MSVOA_L

ClientSampleId :

VL0516ABS01

Tgt Ion: 91 Resp: 5922650

Ion Ratio Lower Upper

91 100

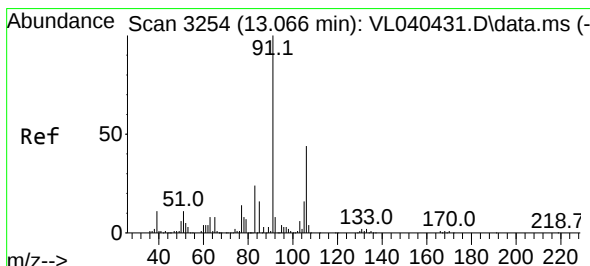
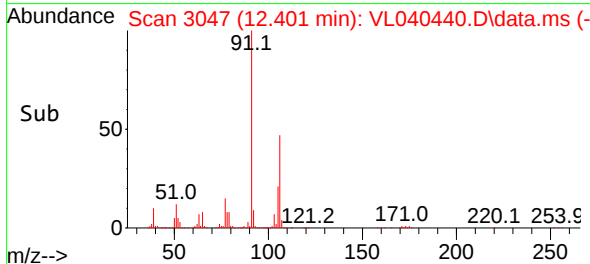
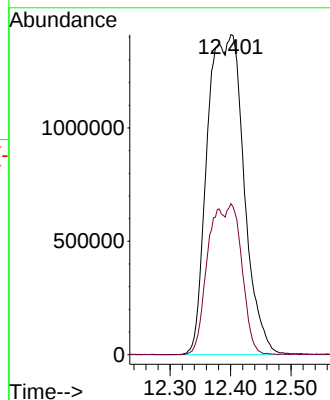
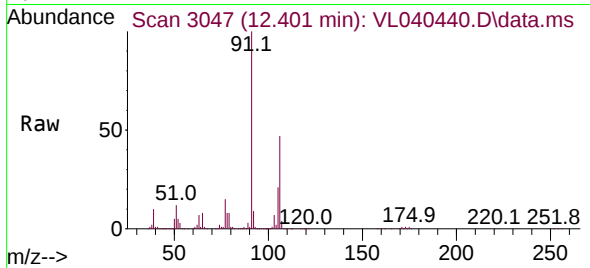
106 43.2 34.9 52.3

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 05/17/2023

Supervised By :Mahesh Dadoda 05/17/2023



#60

o-Xylene

Concen: 10.427 ppbv

RT: 13.089 min Scan# 3261

Delta R.T. 0.007 min

Lab File: VL040440.D

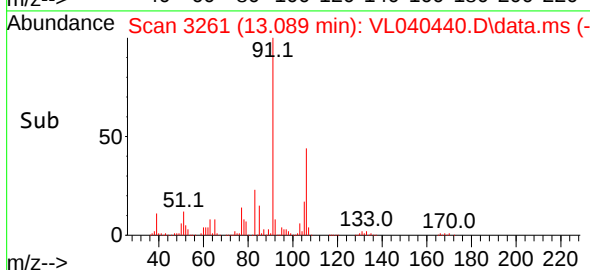
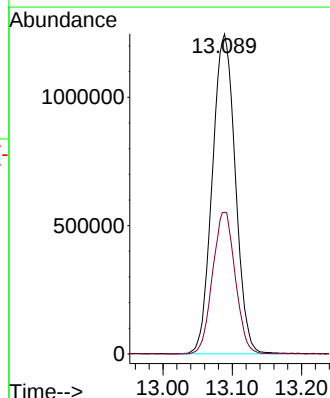
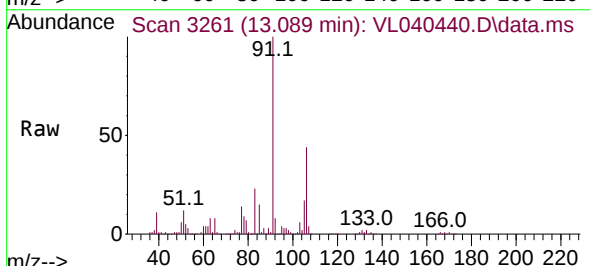
Acq: 16 May 2023 16:19

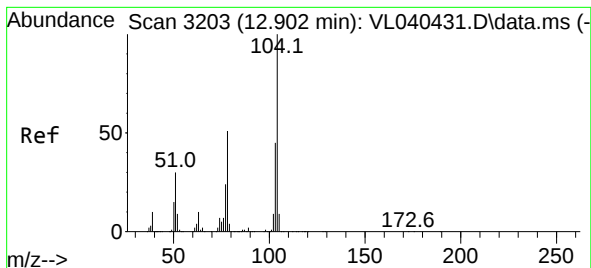
Tgt Ion: 91 Resp: 2872979

Ion Ratio Lower Upper

91 100

106 43.9 21.8 65.4





#61

Styrene

Concen: 11.765 ppbv

RT: 12.928 min Scan# 31

Delta R.T. 0.007 min

Lab File: VL040440.D

Acq: 16 May 2023 16:19

Instrument :

MSVOA_L

ClientSampleId :

VL0516ABS01

Tgt Ion:104 Resp: 164176

Ion Ratio Lower Upper

104 100

78 53.4 43.3 64.9

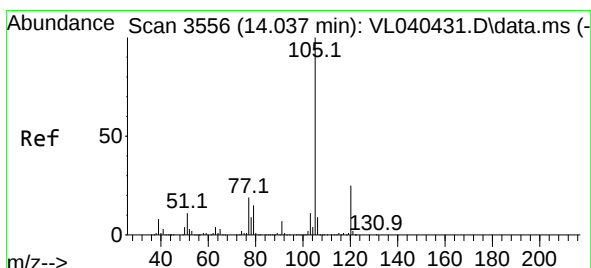
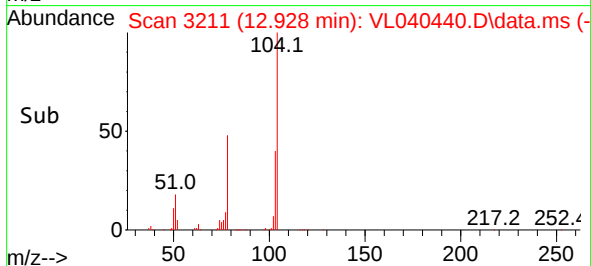
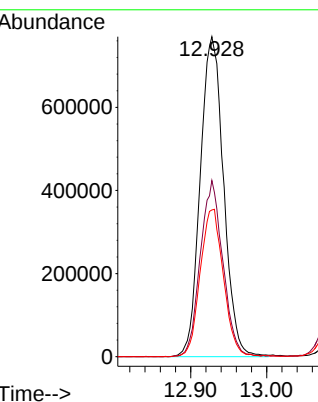
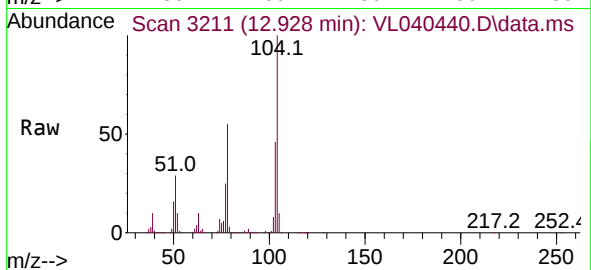
103 46.1 37.4 56.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 05/17/2023

Supervised By :Mahesh Dadoda 05/17/2023



#62

Isopropylbenzene

Concen: 9.993 ppbv

RT: 14.060 min Scan# 3563

Delta R.T. 0.003 min

Lab File: VL040440.D

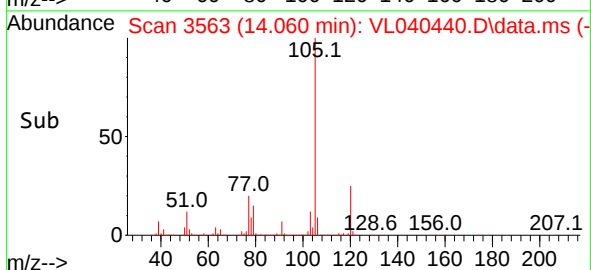
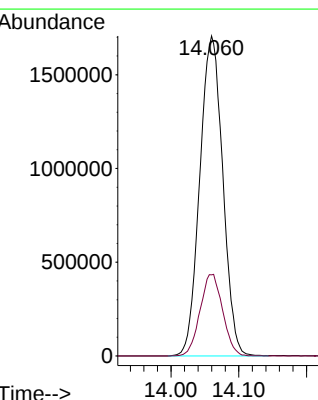
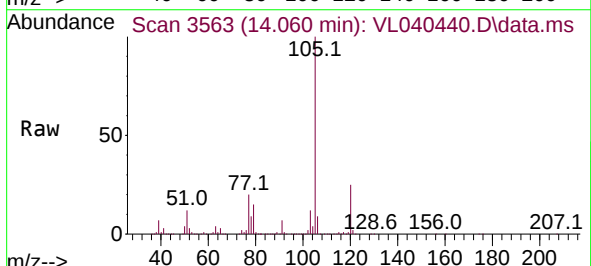
Acq: 16 May 2023 16:19

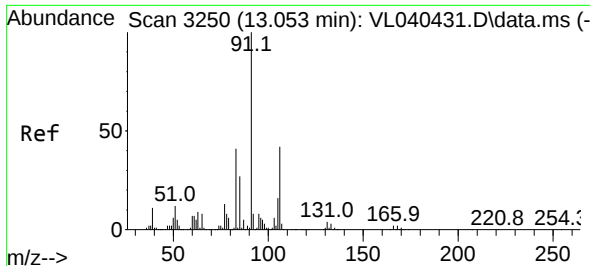
Tgt Ion:105 Resp: 4024037

Ion Ratio Lower Upper

105 100

120 25.1 20.0 30.0





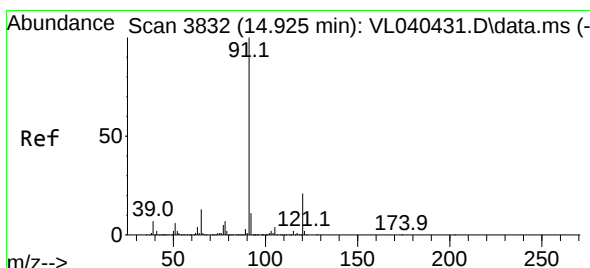
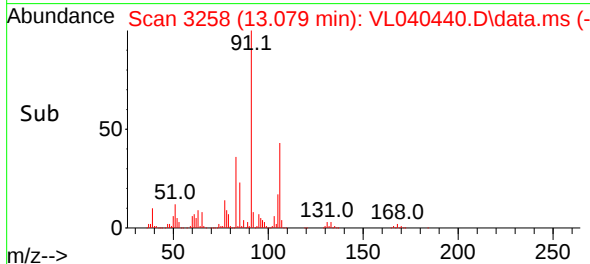
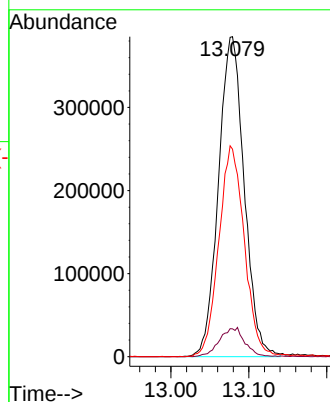
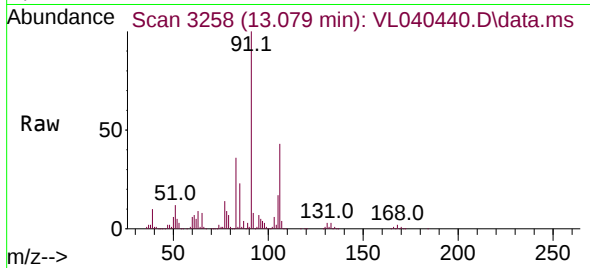
#63
1,1,2,2-Tetrachloroethane
Concen: 8.896 ppbv
RT: 13.079 min Scan# 31
Delta R.T. 0.007 min
Lab File: VL040440.D
Acq: 16 May 2023 16:19

Instrument :
MSVOA_L
ClientSampleId :
VL0516ABS01

Tgt Ion: 83 Resp: 884048
Ion Ratio Lower Upper
83 100
131 9.0 4.5 13.5
85 66.2 33.0 99.0

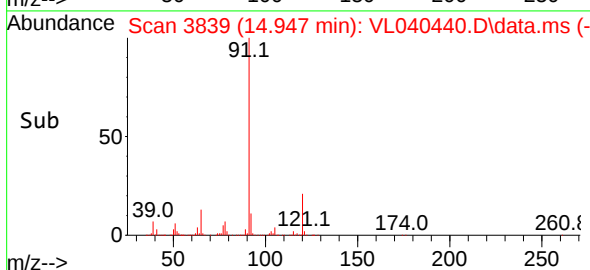
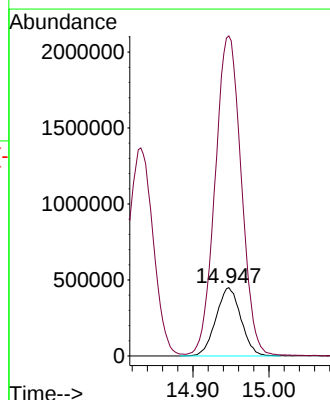
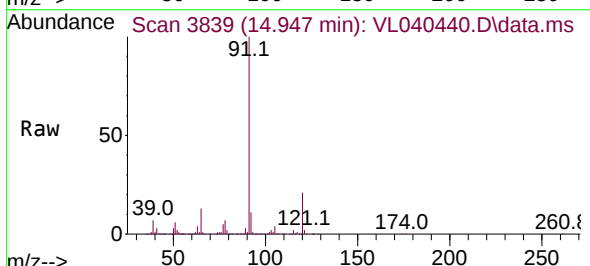
Manual Integrations
APPROVED

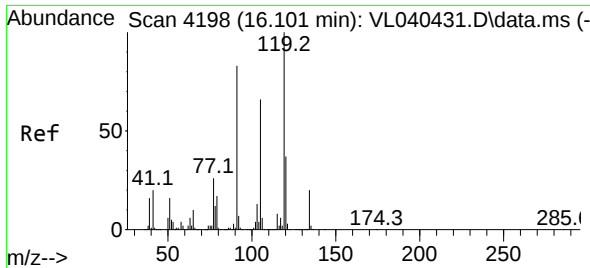
Reviewed By :Semsettin Yesilyurt 05/17/2023
Supervised By :Mahesh Dadoda 05/17/2023



#64
n-propylbenzene
Concen: 10.320 ppbv
RT: 14.947 min Scan# 3839
Delta R.T. 0.003 min
Lab File: VL040440.D
Acq: 16 May 2023 16:19

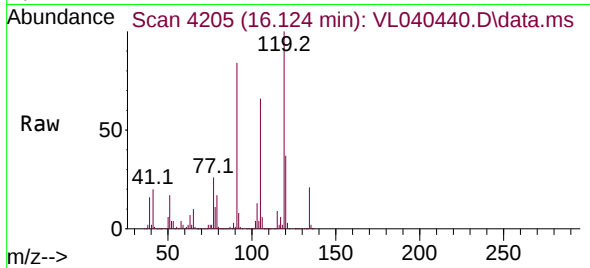
Tgt Ion:120 Resp: 1025354
Ion Ratio Lower Upper
120 100
91 492.3 393.2 589.8





#65
tert-Butylbenzene
Concen: 10.051 ppbv
RT: 16.124 min Scan# 4198
Delta R.T. 0.007 min
Lab File: VL040440.D
Acq: 16 May 2023 16:19

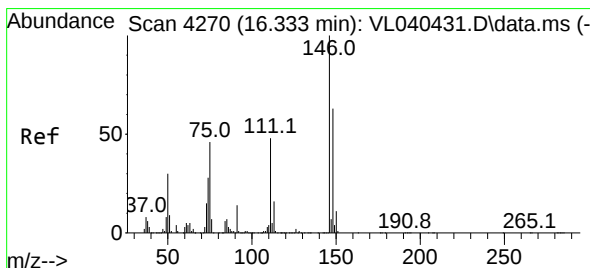
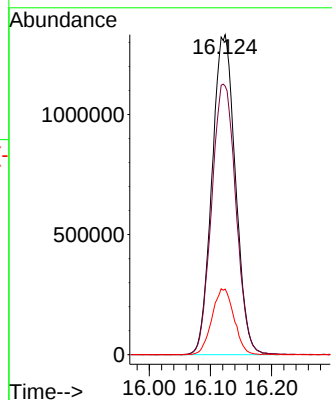
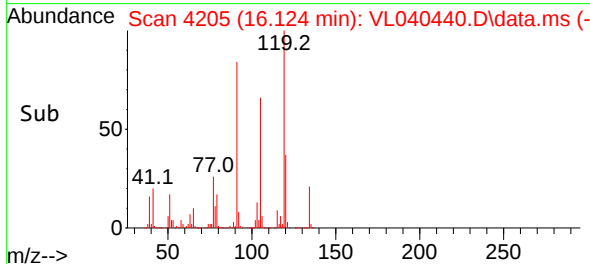
Instrument :
MSVOA_L
ClientSampleId :
VL0516ABS01



Tgt Ion:119 Resp: 355000
Ion Ratio Lower Upper
119 100
91 87.6 69.8 104.6
134 19.4 15.4 23.2

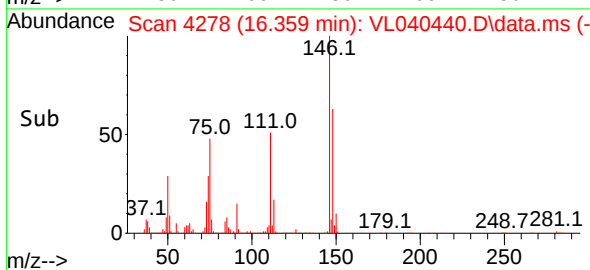
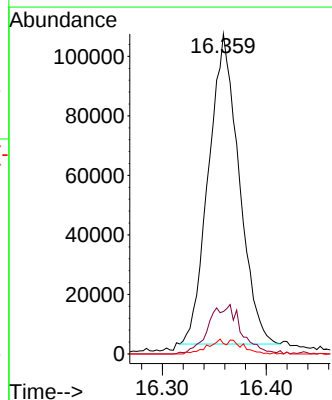
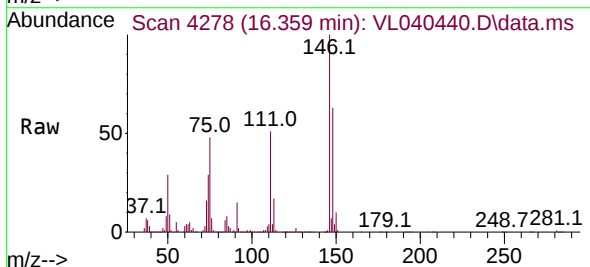
Manual Integrations
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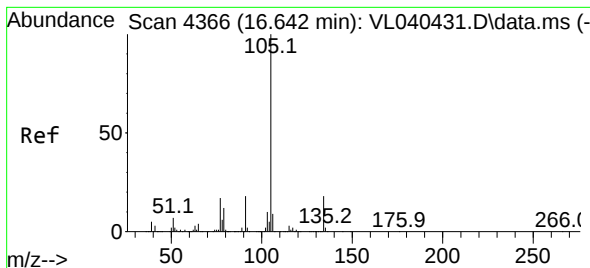
Reviewed By :Semsettin Yesilyurt 05/17/2023
Supervised By :Mahesh Dadoda 05/17/2023



#66
Benzyl Chloride
Concen: 10.135 ppbv
RT: 16.359 min Scan# 4278
Delta R.T. 0.007 min
Lab File: VL040440.D
Acq: 16 May 2023 16:19

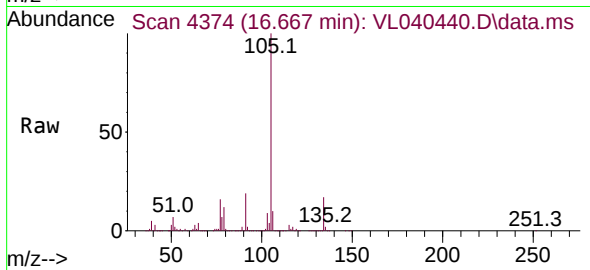
Tgt Ion: 91 Resp: 212384
Ion Ratio Lower Upper
91 100
126 17.4 12.6 19.0
128 4.9 3.9 5.9





#67
 sec-Butylbenzene
 Concen: 9.991 ppbv
 RT: 16.667 min Scan# 41
 Delta R.T. 0.003 min
 Lab File: VL040440.D
 Acq: 16 May 2023 16:19

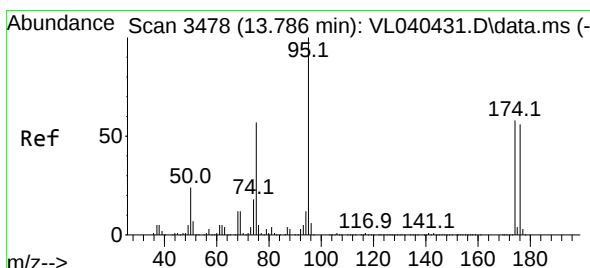
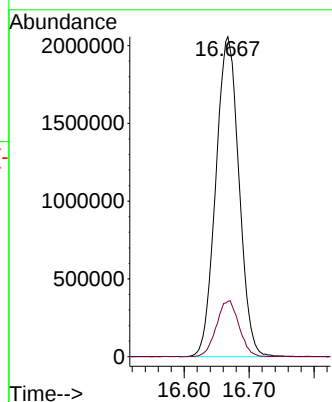
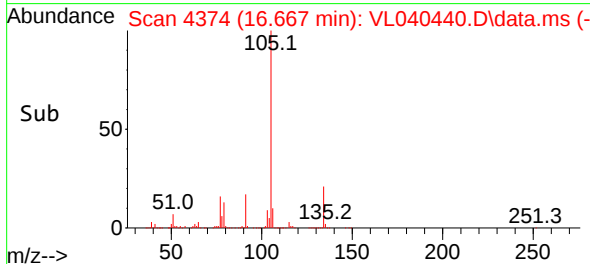
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0516ABS01



Tgt Ion:105 Resp: 508201
 Ion Ratio Lower Upper
 105 100
 134 17.2 14.1 21.1

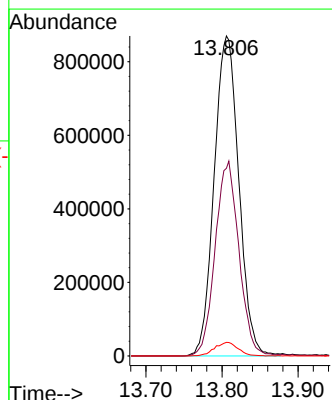
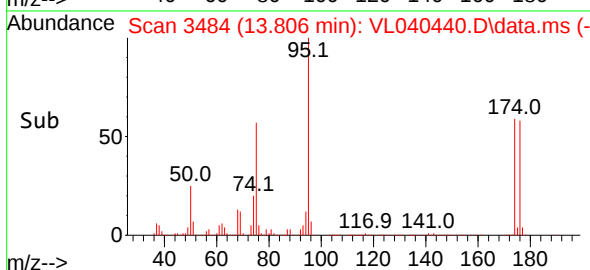
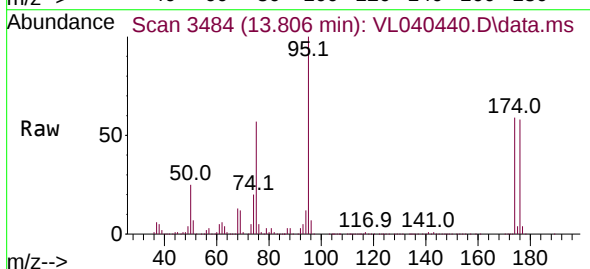
Manual Integrations
 APPROVED

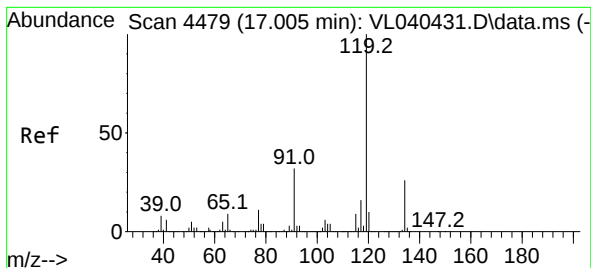
Reviewed By :Semsettin Yesilyurt 05/17/2023
 Supervised By :Mahesh Dadoda 05/17/2023



#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.721 ppbv
 RT: 13.806 min Scan# 3484
 Delta R.T. 0.007 min
 Lab File: VL040440.D
 Acq: 16 May 2023 16:19

Tgt Ion: 95 Resp: 1960309
 Ion Ratio Lower Upper
 95 100
 174 59.1 47.0 70.6
 175 4.1 3.4 5.0





#69

p-Isopropyltoluene

Concen: 10.200 ppbv

RT: 17.024 min Scan# 4479

Delta R.T. 0.003 min

Lab File: VL040440.D

Acq: 16 May 2023 16:19

Instrument :

MSVOA_L

ClientSampleId :

VL0516ABS01

Tgt Ion:119 Resp: 4075398

Ion Ratio Lower Upper

119 100

134 25.1 20.2 30.4

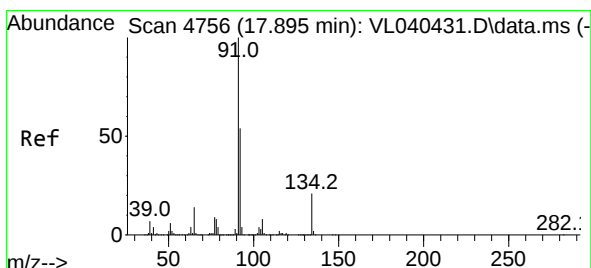
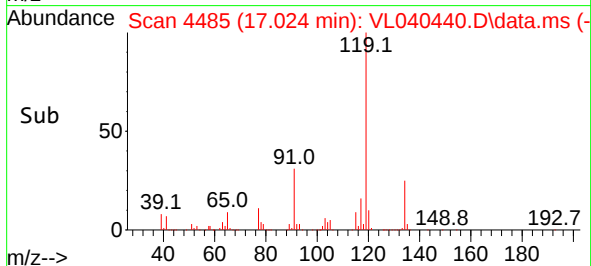
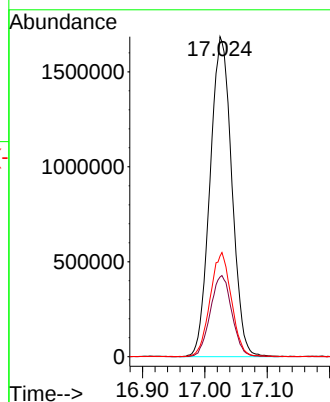
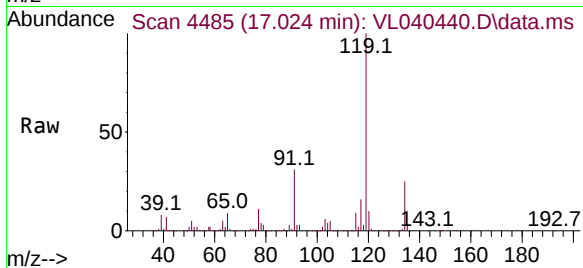
91 31.9 25.4 38.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 05/17/2023

Supervised By :Mahesh Dadoda 05/17/2023



#70

n-Butylbenzene

Concen: 10.092 ppbv

RT: 17.918 min Scan# 4763

Delta R.T. 0.007 min

Lab File: VL040440.D

Acq: 16 May 2023 16:19

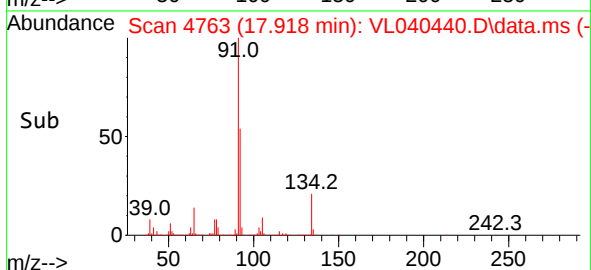
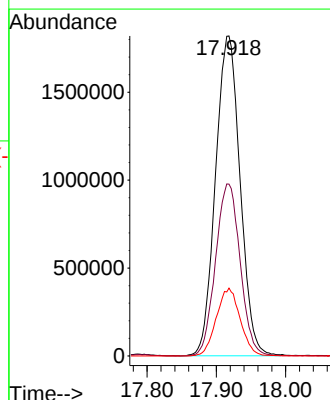
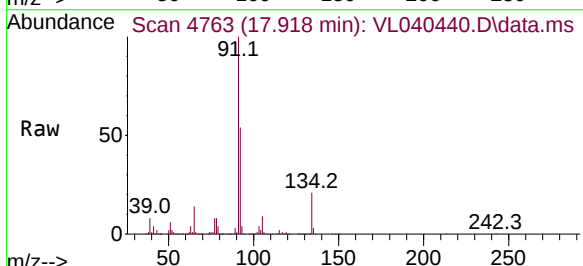
Tgt Ion: 91 Resp: 4493563

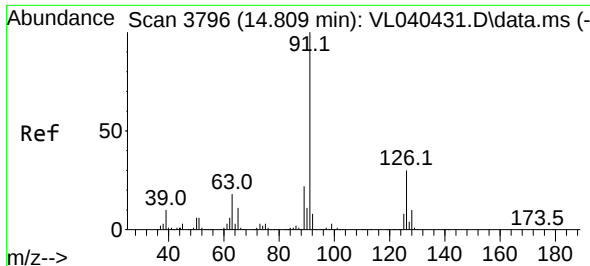
Ion Ratio Lower Upper

91 100

92 53.8 43.2 64.8

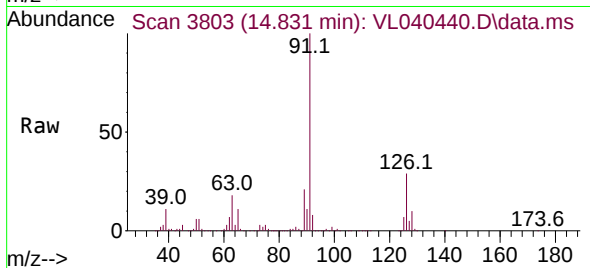
134 20.6 16.9 25.3





#71
2-Chlorotoluene
Concen: 10.264 ppbv
RT: 14.831 min Scan# 314466
Delta R.T. 0.007 min
Lab File: VL040440.D
Acq: 16 May 2023 16:19

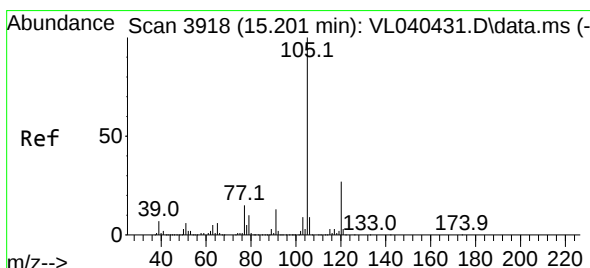
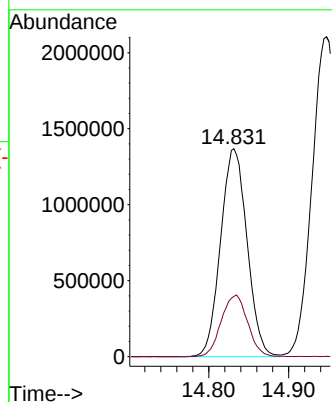
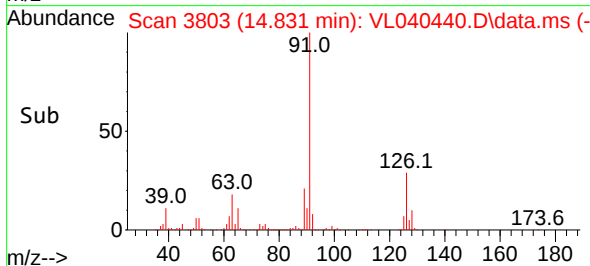
Instrument :
MSVOA_L
ClientSampleId :
VL0516ABS01



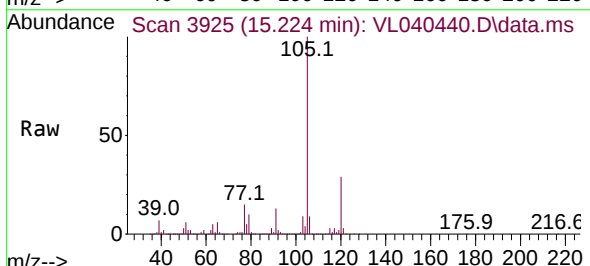
Tgt Ion: 91 Resp: 314466
Ion Ratio Lower Upper
91 100
126 29.7 12.0 48.0

Manual Integrations
APPROVED

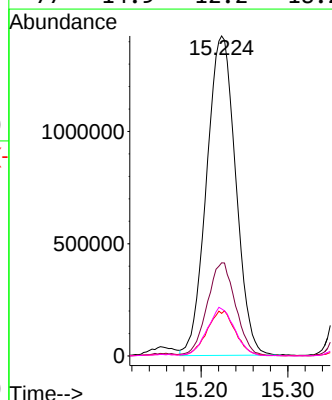
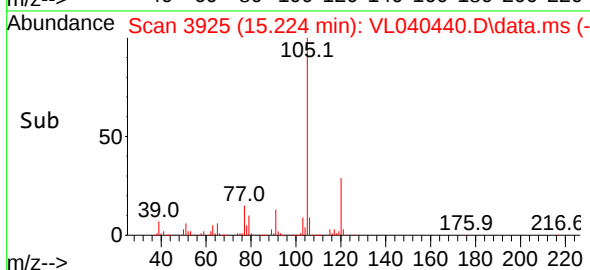
Reviewed By :Semsettin Yesilyurt 05/17/2023
Supervised By :Mahesh Dadoda 05/17/2023

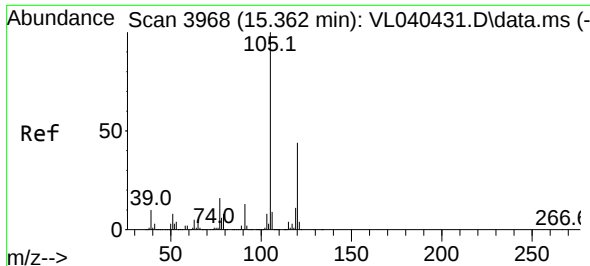


#72
4-Ethyltoluene
Concen: 10.620 ppbv
RT: 15.224 min Scan# 3925
Delta R.T. 0.003 min
Lab File: VL040440.D
Acq: 16 May 2023 16:19



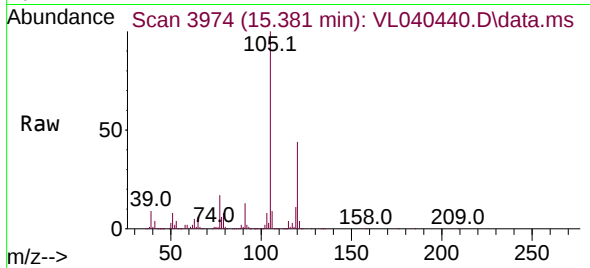
Tgt Ion:105 Resp: 3317666
Ion Ratio Lower Upper
105 100
120 28.6 23.8 35.8
91 13.7 11.0 16.4
77 14.9 12.2 18.2





#73
1,3,5-Trimethylbenzene
Concen: 10.281 ppbv
RT: 15.381 min Scan# 3968
Delta R.T. 0.007 min
Lab File: VL040440.D
Acq: 16 May 2023 16:19

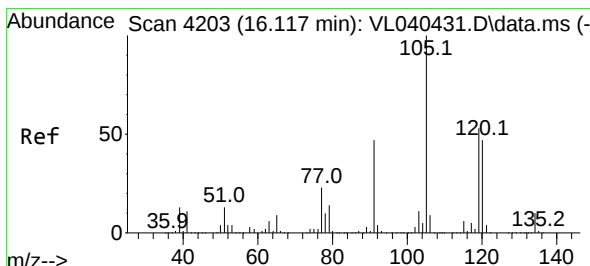
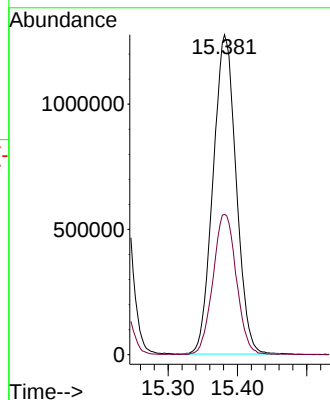
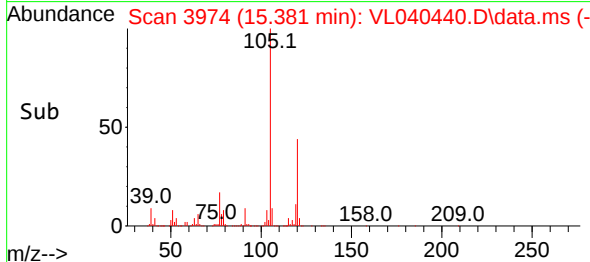
Instrument :
MSVOA_L
ClientSampleId :
VL0516ABS01



Tgt Ion:105 Resp: 2948588
Ion Ratio Lower Upper
105 100
120 43.9 35.2 52.8

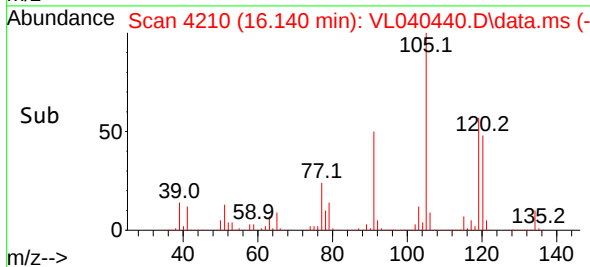
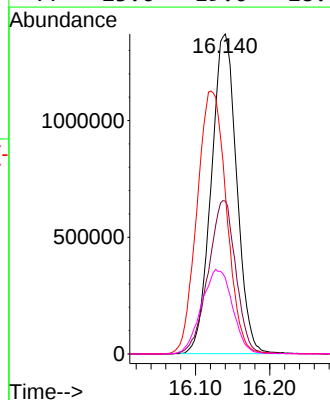
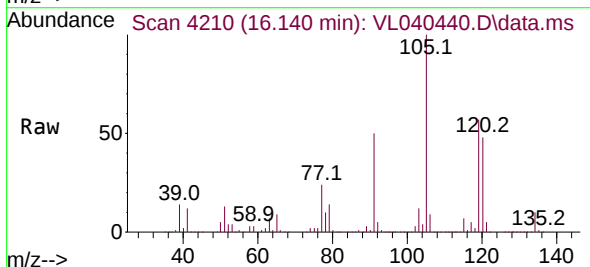
Manual Integrations
APPROVED

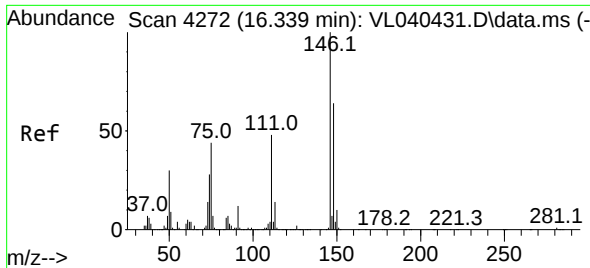
Reviewed By :Semsettin Yesilyurt 05/17/2023
Supervised By :Mahesh Dadoda 05/17/2023



#74
1,2,4-Trimethylbenzene
Concen: 9.881 ppbv
RT: 16.140 min Scan# 4210
Delta R.T. 0.007 min
Lab File: VL040440.D
Acq: 16 May 2023 16:19

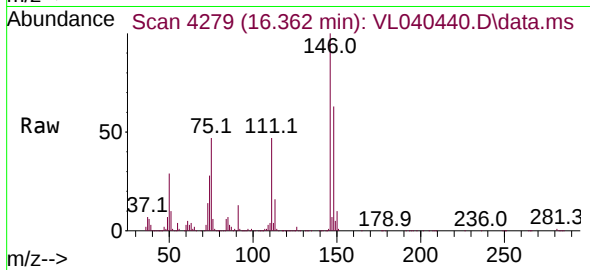
Tgt Ion:105 Resp: 3260519
Ion Ratio Lower Upper
105 100
120 47.6 38.1 57.1
91 50.3 40.2 60.2
77 23.6 19.0 28.4





#75
1,3-Dichlorobenzene
Concen: 9.842 ppbv
RT: 16.362 min Scan# 4312
Delta R.T. 0.003 min
Lab File: VL040440.D
Acq: 16 May 2023 16:19

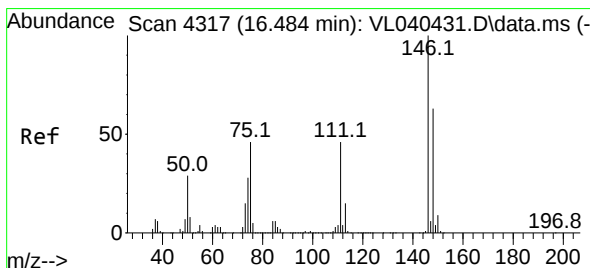
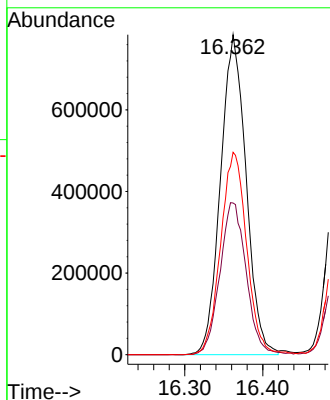
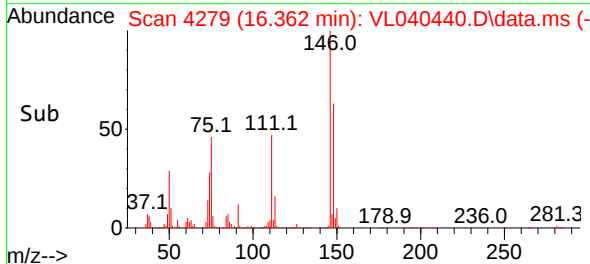
Instrument :
MSVOA_L
ClientSampleId :
VL0516ABS01



Tgt Ion:146 Resp: 1786759
Ion Ratio Lower Upper
146 100
111 48.9 24.6 74.0
148 64.6 32.1 96.3

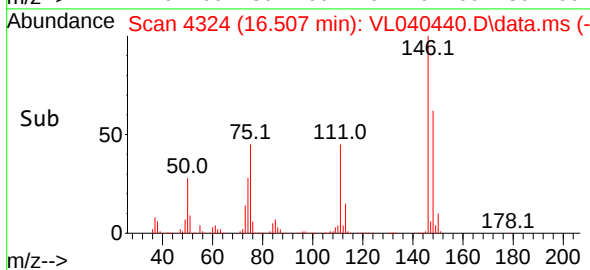
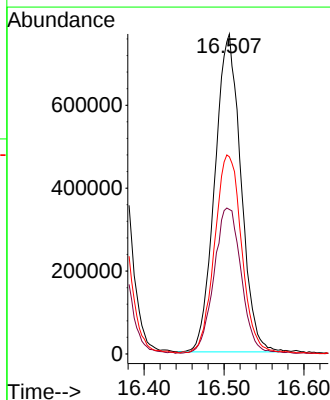
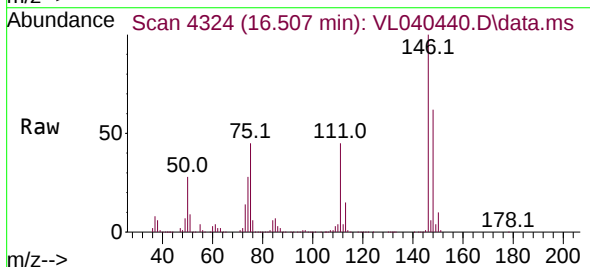
Manual Integrations
APPROVED

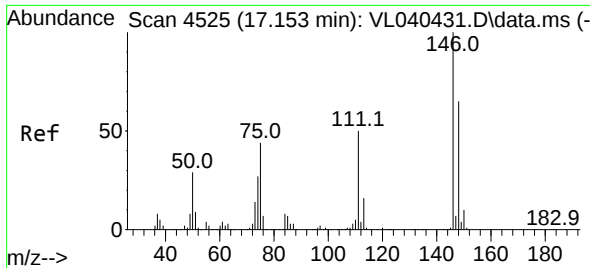
Reviewed By :Semsettin Yesilyurt 05/17/2023
Supervised By :Mahesh Dadoda 05/17/2023



#76
1,4-Dichlorobenzene
Concen: 9.875 ppbv
RT: 16.507 min Scan# 4324
Delta R.T. 0.007 min
Lab File: VL040440.D
Acq: 16 May 2023 16:19

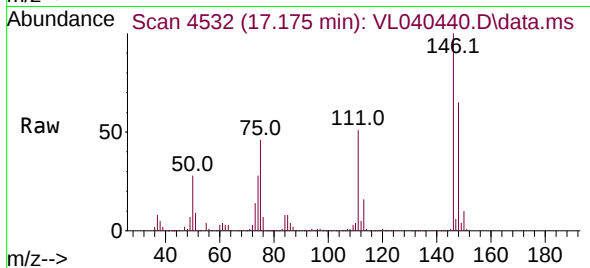
Tgt Ion:146 Resp: 1733809
Ion Ratio Lower Upper
146 100
111 48.5 24.0 72.0
148 65.7 32.5 97.4





#77
1,2-Dichlorobenzene
Concen: 9.657 ppbv
RT: 17.175 min Scan# 4532
Delta R.T. 0.007 min
Lab File: VL040440.D
Acq: 16 May 2023 16:19

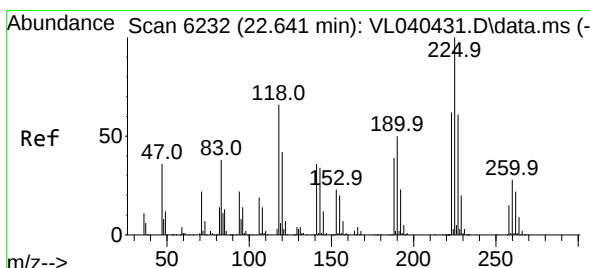
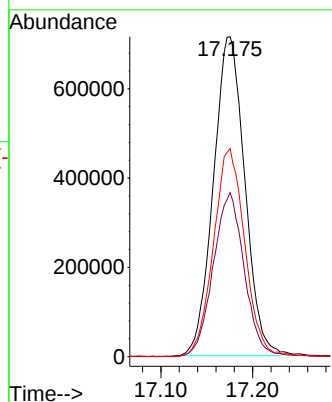
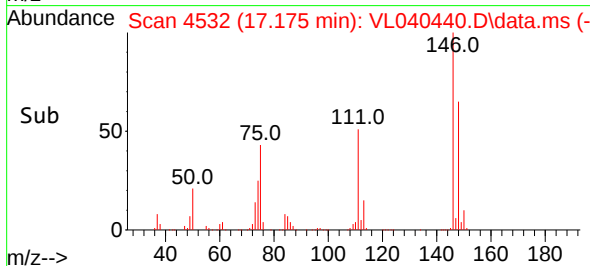
Instrument :
MSVOA_L
ClientSampleId :
VL0516ABS01



Tgt Ion:146 Resp: 1698508
Ion Ratio Lower Upper
146 100
111 51.2 25.2 75.6
148 65.1 32.1 96.5

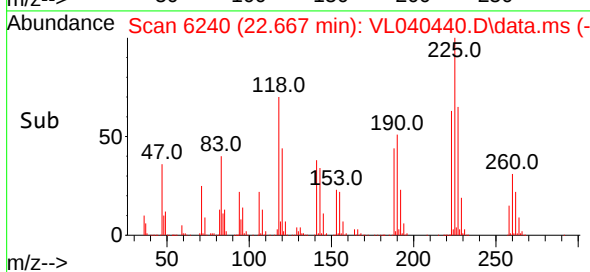
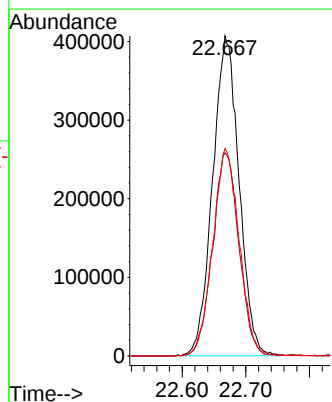
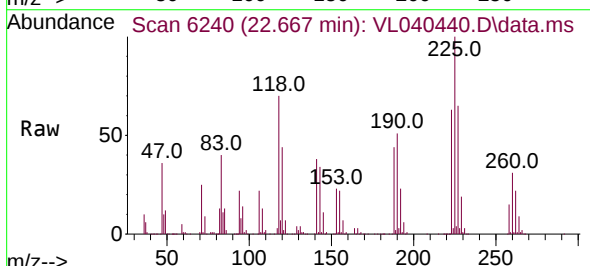
Manual Integrations
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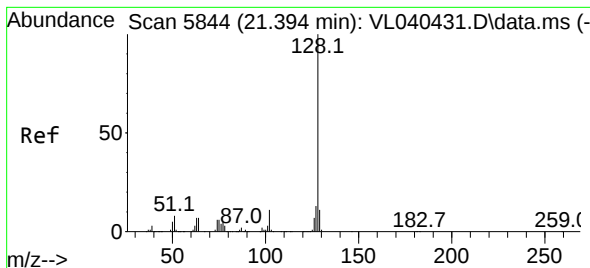
Reviewed By :Semsettin Yesilyurt 05/17/2023
Supervised By :Mahesh Dadoda 05/17/2023



#78
Hexachloro-1,3-Butadiene
Concen: 8.915 ppbv
RT: 22.667 min Scan# 6240
Delta R.T. 0.003 min
Lab File: VL040440.D
Acq: 16 May 2023 16:19

Tgt Ion:225 Resp: 1173208
Ion Ratio Lower Upper
225 100
223 63.8 51.2 76.8
227 64.9 51.0 76.6





#79

Naphthalene

Concen: 12.327 ppbv

RT: 21.420 min Scan# 5852

Delta R.T. 0.003 min

Lab File: VL040440.D

Acq: 16 May 2023 16:19

Instrument :

MSVOA_L

ClientSampleId :

VL0516ABS01

Tgt Ion:128 Resp: 245920

Ion Ratio Lower Upper

128 100

127 13.2 10.3 15.5

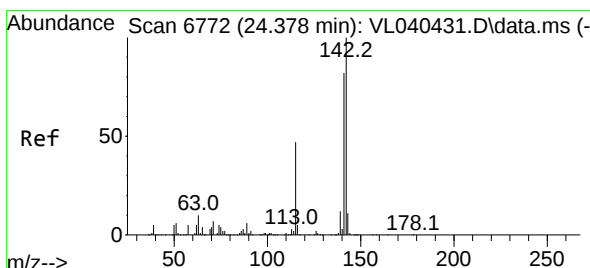
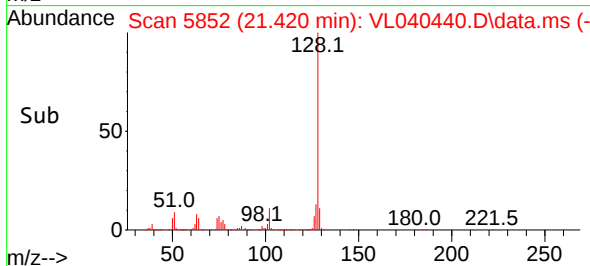
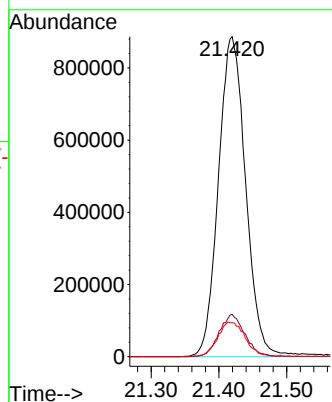
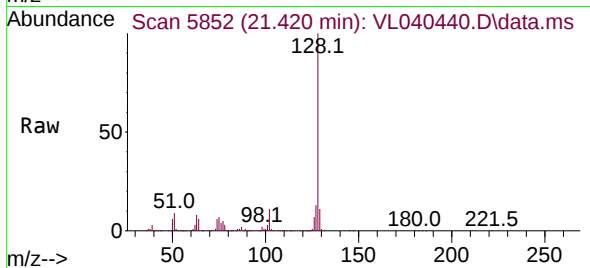
129 10.6 9.0 13.6

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 05/17/2023

Supervised By :Mahesh Dadoda 05/17/2023



#80

Naphthalene,2-methyl-

Concen: 12.923 ppbv

RT: 24.400 min Scan# 6779

Delta R.T. 0.003 min

Lab File: VL040440.D

Acq: 16 May 2023 16:19

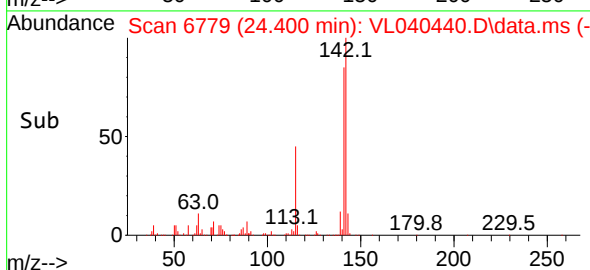
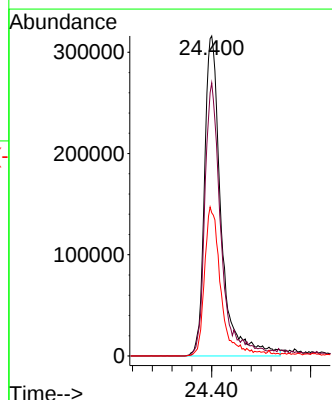
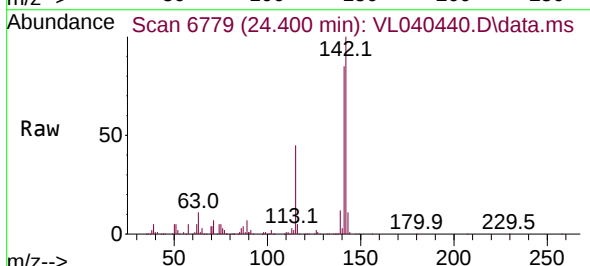
Tgt Ion:142 Resp: 738148

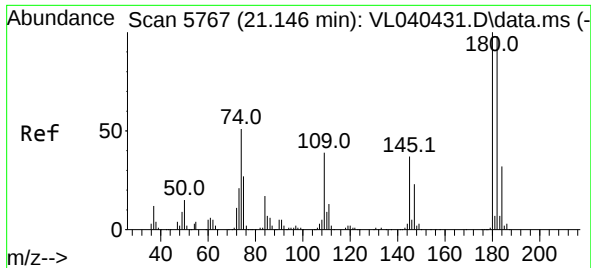
Ion Ratio Lower Upper

142 100

141 84.4 66.2 99.2

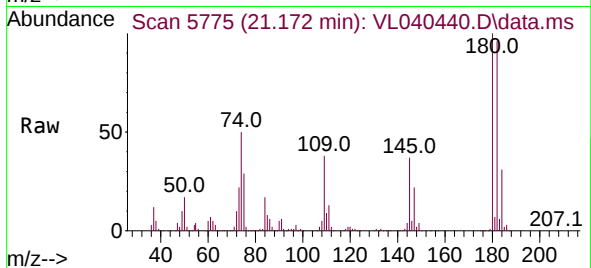
115 46.4 36.8 55.2





#81
1,2,4-Trichlorobenzene
Concen: 10.519 ppbv
RT: 21.172 min Scan# 51
Delta R.T. 0.003 min
Lab File: VL040440.D
Acq: 16 May 2023 16:19

Instrument :
MSVOA_L
ClientSampleId :
VL0516ABS01



Tgt Ion:180 Resp: 1299083
Ion Ratio Lower Upper
180 100
182 97.2 77.0 115.6
184 31.0 24.7 37.1

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 05/17/2023
Supervised By :Mahesh Dadoda 05/17/2023

