

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL051623\
 Data File : VL040433.D
 Acq On : 16 May 2023 10:54
 Operator : SY/MD
 Sample : VSTDICC001
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC001

Manual Integrations
 APPROVED

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

Quant Time: May 16 12:45:35 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 : Tue May 16 11:16:05 2023

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.192	49	1081652	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.655	114	2730067	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.478	117	2448894	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.786 95 1952598 9.642 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 96.400%

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	2.722	85	242668m	1.244	ppbv	
3) Chlorodifluoromethane	2.664	51	148335	1.049	ppbv	98
4) Chloromethane	2.806	50	91790	1.028	ppbv	100
5) Vinyl Chloride	2.912	62	74113	1.006	ppbv	98
6) Bromomethane	3.111	94	23963	0.987	ppbv	92
7) Chloroethane	3.192	64	26005	0.932	ppbv	98
8) Dichlorotetrafluoroethane	2.851	85	199119	1.045	ppbv	97
9) Propene	2.687	41	55434	0.993	ppbv	96
10) Heptane	7.587	43	122128	0.962	ppbv	99
11) Trichlorofluoromethane	3.558	101	194612	0.986	ppbv	99
12) 1,1,2-Trichlorotrifluo...	4.060	101	146209	1.059	ppbv	99
13) Ethanol	3.263	45	4713m	1.011	ppbv	
14) Bromoethene	3.359	108	56174	0.995	ppbv #	94
15) Acetone	3.472	43	137626	0.898	ppbv	92
16) 1,3-Butadiene	2.980	39	60518	0.955	ppbv	90
17) tert-Butyl alcohol	3.883	59	142592	1.014	ppbv	98
18) 1,1-Dichloroethene	3.877	96	62843	1.009	ppbv	92
19) Isopropyl Alcohol	3.587	45	70902m	1.014	ppbv	
20) Methylene Chloride	3.928	84	68327	1.117	ppbv	95
21) Allyl Chloride	3.996	41	85645	0.984	ppbv	92
22) trans-1,2-Dichloroethene	4.446	96	60316	0.969	ppbv	96
23) Vinyl Acetate	4.629	43	40027m	1.026	ppbv	
24) 1,1-Dichloroethane	4.562	63	134842	1.039	ppbv	99
25) Ethyl Acetate	5.211	43	258588	1.003	ppbv	98
26) Hexane	5.214	57	108443	0.998	ppbv	92
27) Carbon Disulfide	4.121	76	130936	0.931	ppbv #	97
28) Methyl tert-Butyl Ether	4.594	73	116450	1.038	ppbv	97
29) Chloroform	5.275	83	200898	1.038	ppbv	97
30) Cyclohexane	6.610	84	81113	0.964	ppbv	89
31) cis-1,2-Dichloroethene	5.079	61	105646	0.981	ppbv	96
32) 1,1,1-Trichloroethane	6.005	97	194555	1.034	ppbv	98
34) 2-Butanone	4.790	43	150633	1.023	ppbv	100
35) Carbon Tetrachloride	6.494	117	191462	0.996	ppbv	95
36) Benzene	6.375	78	220451	0.990	ppbv	97
37) 1,2-Dichloroethane	5.803	62	144867	0.990	ppbv	97
38) Trichloroethene	7.295	130	126022	0.994	ppbv	95
39) 1,2-Dichloropropane	7.076	63	87733	1.001	ppbv	95
40) 1,4-Dioxane	7.320	88	36103m	1.076	ppbv	
41) Tetrahydrofuran	5.578	42	78696m	0.976	ppbv	
42) Bromodichloromethane	7.253	83	193487	0.968	ppbv	99
43) Methyl Methacrylate	7.487	69	76418	0.924	ppbv	93
44) 2,2,4-Trimethylpentane	7.327	57	379587m	1.020	ppbv	
45) t-1,3-Dichloropropene	8.719	75	58440	0.791	ppbv	90

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

Quant Time: May 16 12:45:35 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 : Tue May 16 11:16:05 2023

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.150	75	87739	0.853	ppbv	98
47) 1,1,2-Trichloroethane	8.905	97	95459m	0.993	ppbv	
48) Dibromochloromethane	9.719	129	144886	0.936	ppbv	98
49) Bromoform	12.416	173	108742	0.901	ppbv	96
50) 4-Methyl-2-Pentanone	8.198	43	219930	0.985	ppbv	98
51) 2-Hexanone	9.574	43	150170m	0.910	ppbv	
52) Tetrachloroethene	10.619	164	73393m	1.053	ppbv	
53) Toluene	9.230	91	219263	0.929	ppbv	100
54) 1,2-Dibromoethane	10.021	107	92718	0.952	ppbv	97
56) 1,1,1,2-Tetrachloroethane	11.516	131	115214	1.031	ppbv #	1
57) Chlorobenzene	11.532	112	206134	1.075	ppbv #	93
58) Ethyl Benzene	12.105	91	311000	1.032	ppbv	99
59) m/p-Xylene	12.384	91	572393m	2.066	ppbv	
60) o-Xylene	13.069	91	275423	1.036	ppbv	100
61) Styrene	12.912	104	120500	0.905	ppbv	96
62) Isopropylbenzene	14.040	105	408617	1.067	ppbv	97
63) 1,1,2,2-Tetrachloroethane	13.060	83	98997	1.017	ppbv	97
64) n-propylbenzene	14.931	120	95089	1.009	ppbv	82
65) tert-Butylbenzene	16.104	119	356097	1.057	ppbv	96
66) Benzyl Chloride	16.346	91	20800m	0.997	ppbv	
67) sec-Butylbenzene	16.645	105	519827	1.074	ppbv	99
69) p-Isopropyltoluene	17.008	119	401852	1.064	ppbv	96
70) n-Butylbenzene	17.902	91	450839	1.076	ppbv	97
71) 2-Chlorotoluene	14.815	91	303062	1.031	ppbv	98
72) 4-Ethyltoluene	15.204	105	298244	1.016	ppbv	97
73) 1,3,5-Trimethylbenzene	15.365	105	280182	1.033	ppbv	89
74) 1,2,4-Trimethylbenzene	16.117	105	341599	1.102	ppbv	94
75) 1,3-Dichlorobenzene	16.346	146	182487	1.075	ppbv	97
76) 1,4-Dichlorobenzene	16.487	146	171355	1.022	ppbv	94
77) 1,2-Dichlorobenzene	17.159	146	176452	1.051	ppbv	94
78) Hexachloro-1,3-Butadiene	22.651	225	137187	1.020	ppbv	99
79) Naphthalene	21.410	128	193972m	0.927	ppbv	
80) Naphthalene,2-methyl-	24.394	142	27272	0.438	ppbv	91
81) 1,2,4-Trichlorobenzene	21.159	180	114326m	0.889	ppbv	

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

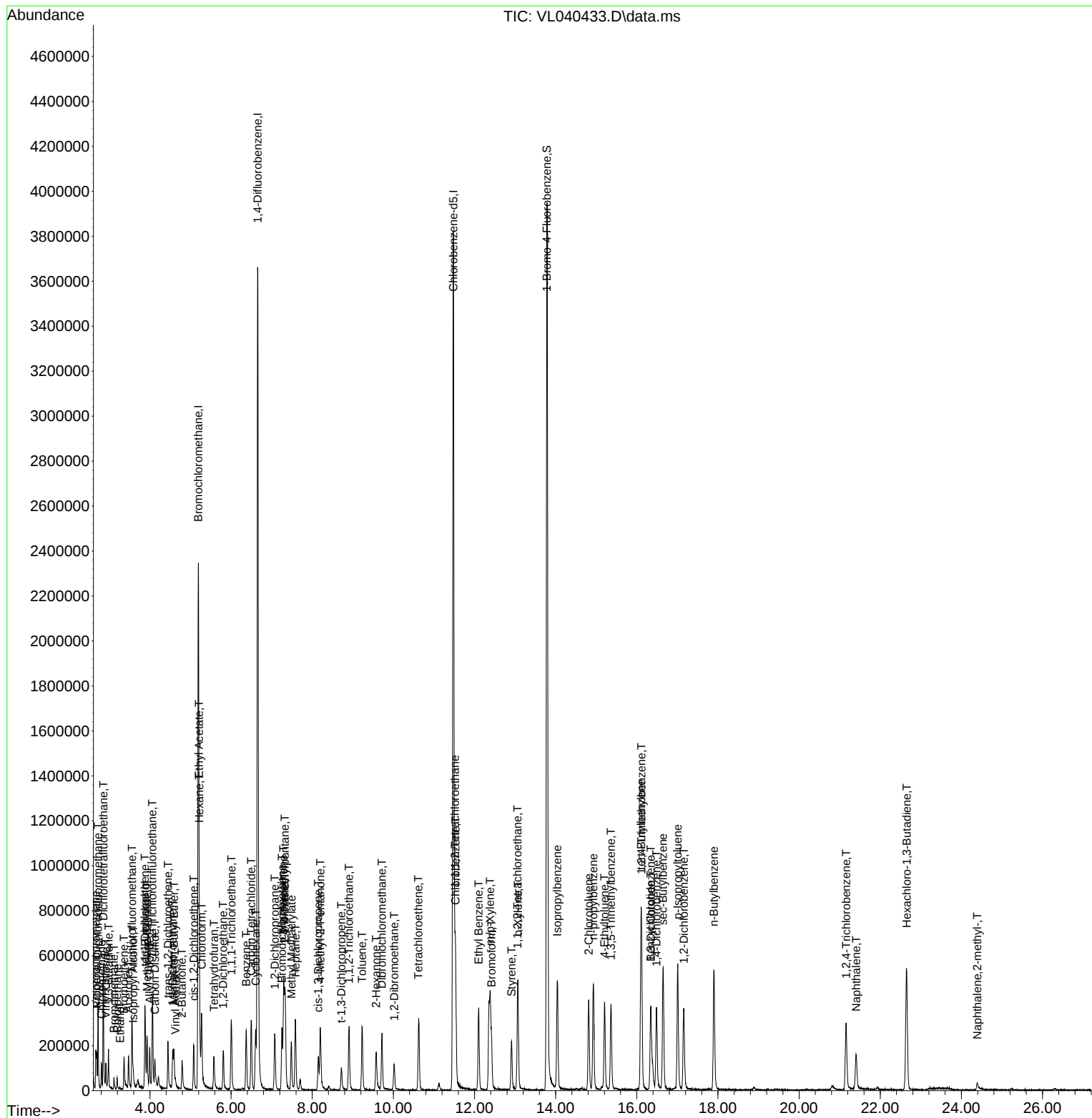
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL051623\
Data File : VL040433.D
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Operator : SY/MD
Sample : VSTDIC001
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

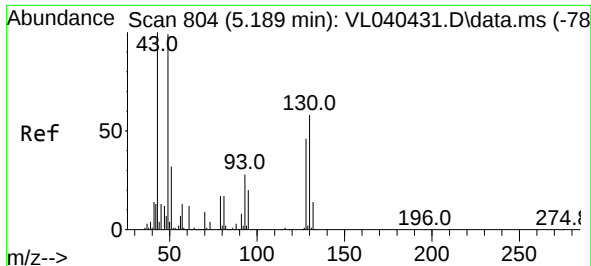
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Manual Integrations
APPROVED

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

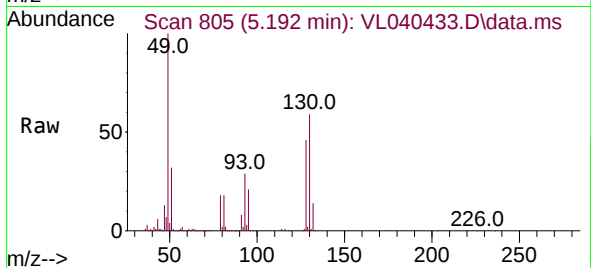
Quant Time: May 16 12:45:35 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL051623AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Tue May 16 11:16:05 2023
Response via : Initial Calibration





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.192 min Scan# 804
Delta R.T. 0.003 min
Lab File: VL040433.D
Acq: 16 May 2023 10:54

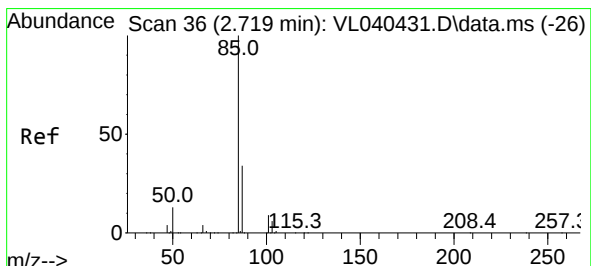
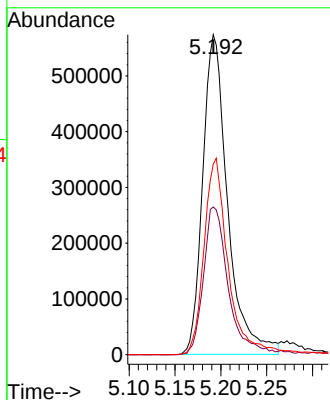
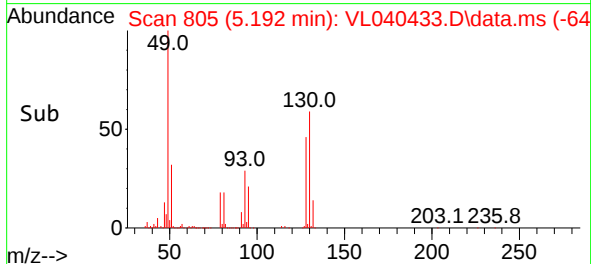
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001



Tgt Ion: 49 Resp: 108165
Ion Ratio Lower Upper
49 100
128 47.7 23.7 71.1
130 61.0 29.9 89.8

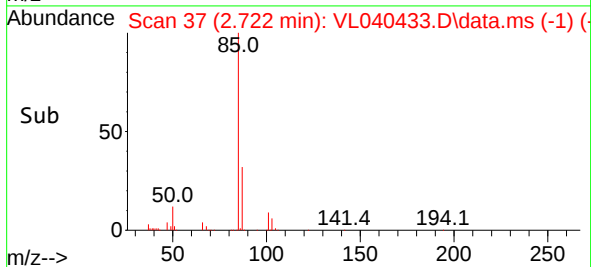
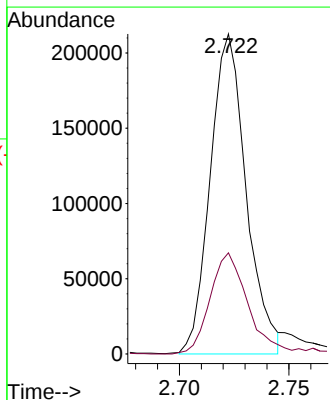
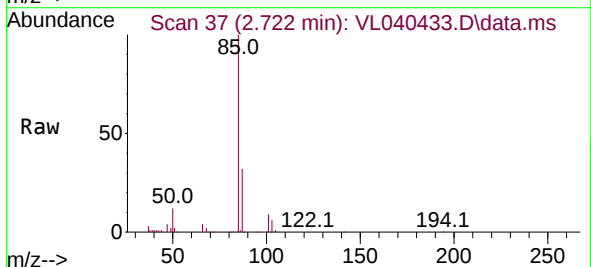
Manual Integrations
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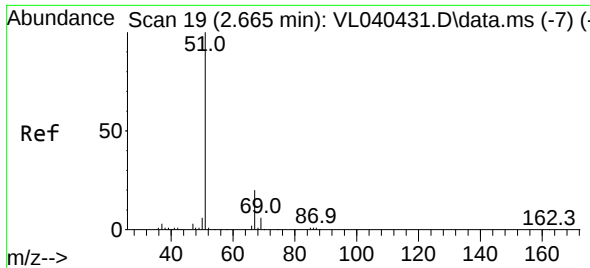
Reviewed By :Semsettin Yesilyurt 05/17/2023
Supervised By :Mahesh Dadoda 05/17/2023



#2
Dichlorodifluoromethane
Concen: 1.244 ppbv m
RT: 2.722 min Scan# 37
Delta R.T. 0.006 min
Lab File: VL040433.D
Acq: 16 May 2023 10:54

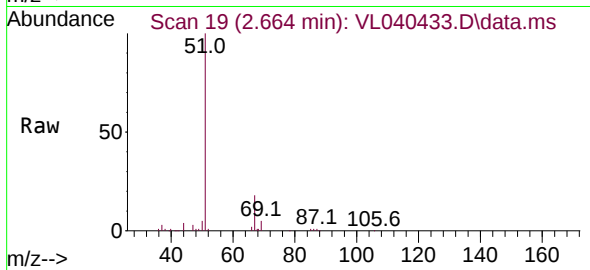
Tgt Ion: 85 Resp: 242668
Ion Ratio Lower Upper
85 100
87 31.6 26.6 40.0





#3
Chlorodifluoromethane
Concen: 1.049 ppbv
RT: 2.664 min Scan# 19
Delta R.T. 0.003 min
Lab File: VL040433.D
Acq: 16 May 2023 10:54

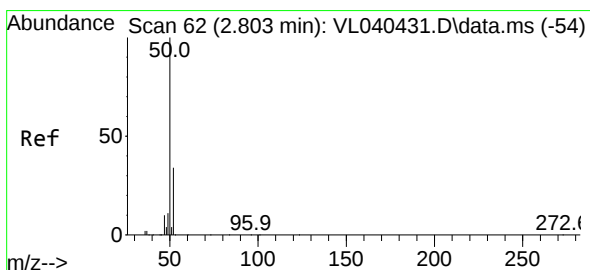
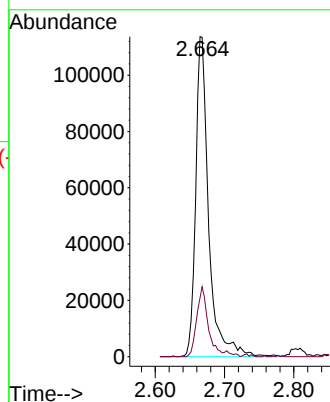
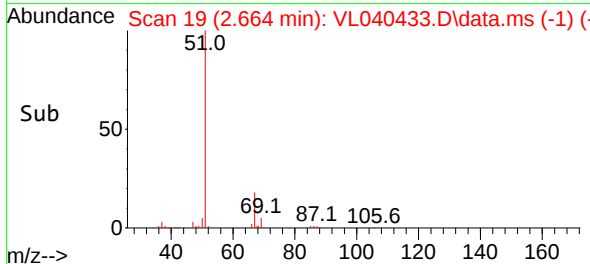
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001



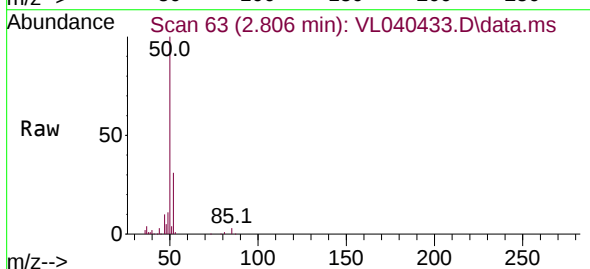
Tgt Ion: 51 Resp: 14833
Ion Ratio Lower Upper
51 100
67 20.2 15.5 23.3

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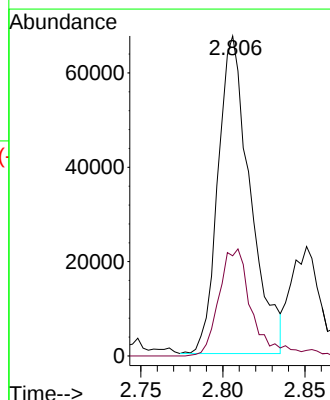
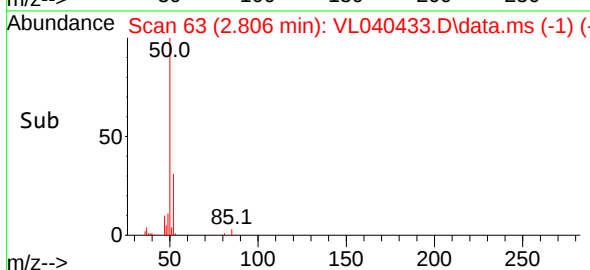
Reviewed By :Semsettin Yesilyurt 05/17/2023
Supervised By :Mahesh Dadoda 05/17/2023

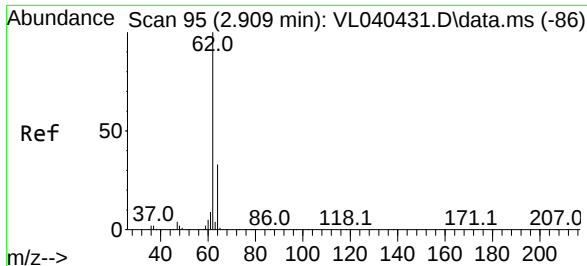


#4
Chloromethane
Concen: 1.028 ppbv
RT: 2.806 min Scan# 63
Delta R.T. 0.006 min
Lab File: VL040433.D
Acq: 16 May 2023 10:54



Tgt Ion: 50 Resp: 91790
Ion Ratio Lower Upper
50 100
52 31.5 25.3 37.9





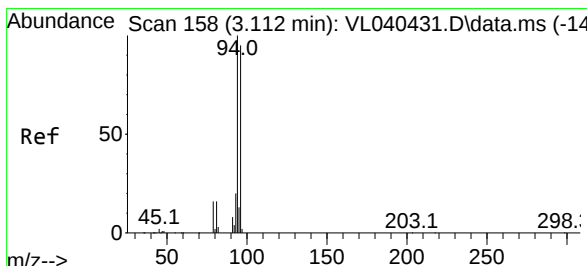
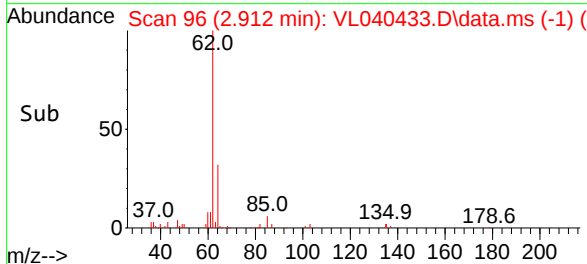
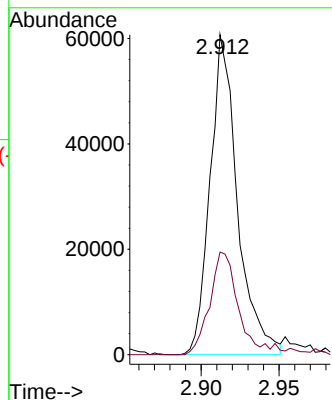
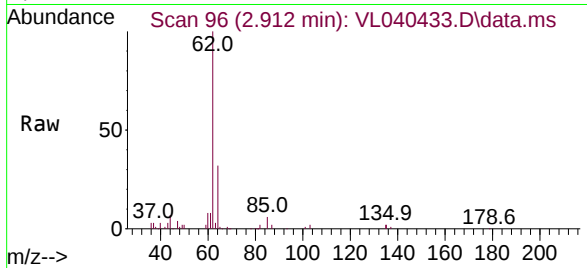
#5
 Vinyl Chloride
 Concen: 1.006 ppbv
 RT: 2.912 min Scan# 95
 Delta R.T. 0.003 min
 Lab File: VL040433.D
 Acq: 16 May 2023 10:54

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tgt Ion: 62 Resp: 7411
 Ion Ratio Lower Upper
 62 100
 64 32.0 26.3 39.5

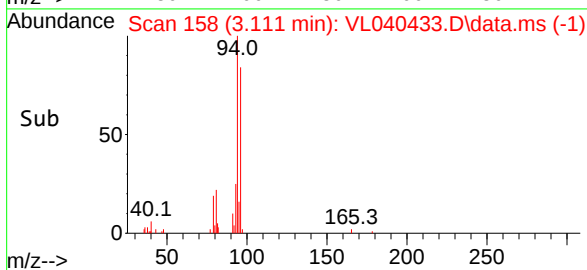
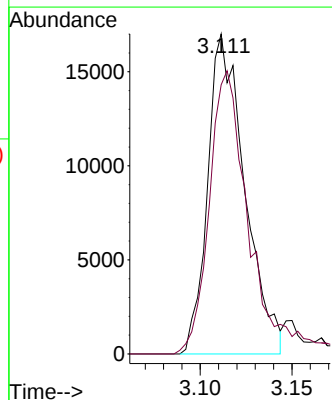
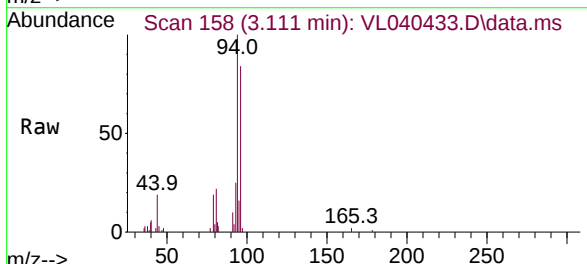
Manual Integrations
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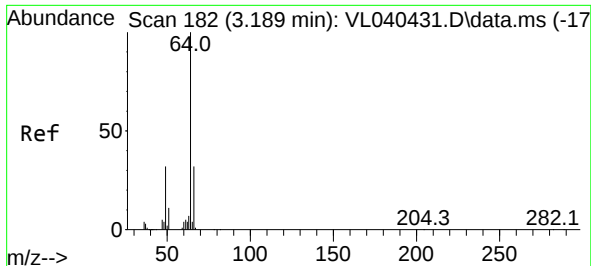
Reviewed By :Semsettin Yesilyurt 05/17/2023
 Supervised By :Mahesh Dadoda 05/17/2023



#6
 Bromomethane
 Concen: 0.987 ppbv
 RT: 3.111 min Scan# 158
 Delta R.T. 0.003 min
 Lab File: VL040433.D
 Acq: 16 May 2023 10:54

Tgt Ion: 94 Resp: 23963
 Ion Ratio Lower Upper
 94 100
 96 83.0 72.6 108.8





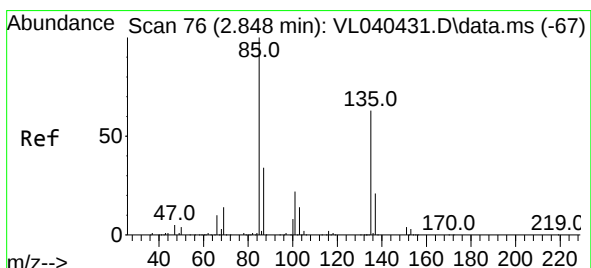
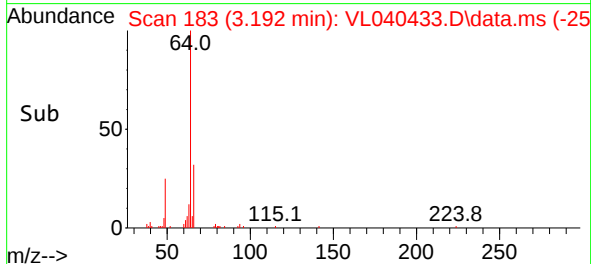
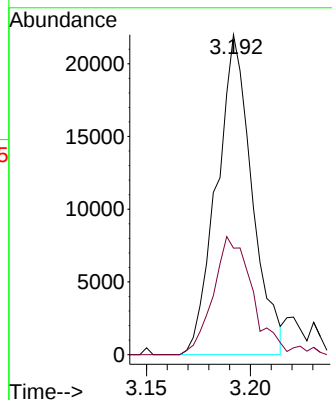
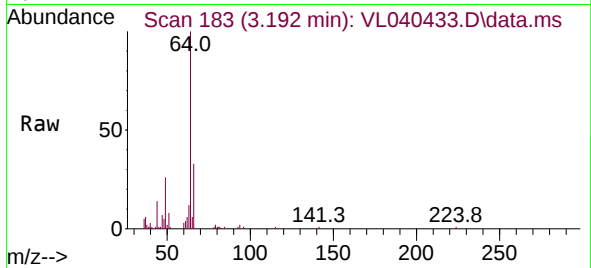
#7
Chloroethane
Concen: 0.932 ppbv
RT: 3.192 min Scan# 11
Delta R.T. 0.007 min
Lab File: VL040433.D
Acq: 16 May 2023 10:54

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tgt Ion: 64 Resp: 2600
Ion Ratio Lower Upper
64 100
66 33.3 27.5 41.3

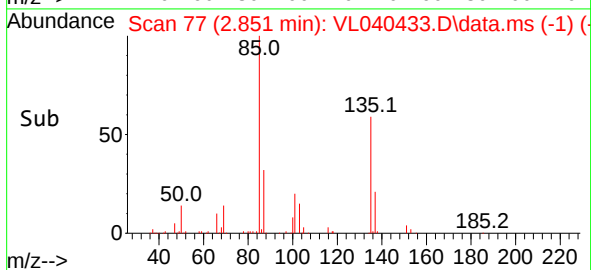
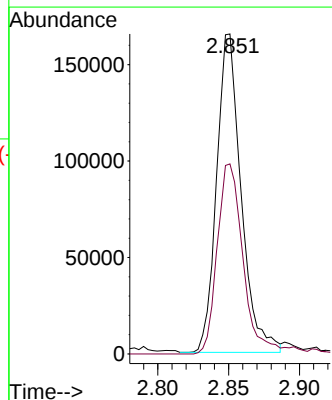
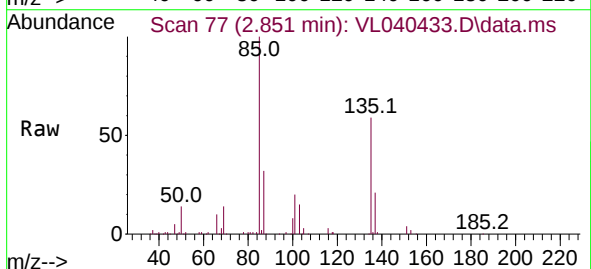
Manual Integrations
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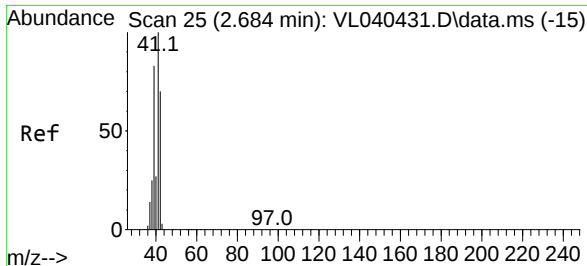
Reviewed By :Semsettin Yesilyurt 05/17/2023
Supervised By :Mahesh Dadoda 05/17/2023



#8
Dichlorotetrafluoroethane
Concen: 1.045 ppbv
RT: 2.851 min Scan# 77
Delta R.T. 0.006 min
Lab File: VL040433.D
Acq: 16 May 2023 10:54

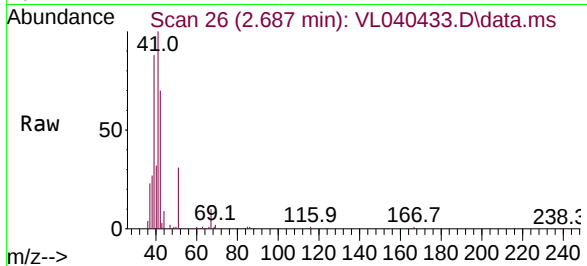
Tgt Ion: 85 Resp: 199119
Ion Ratio Lower Upper
85 100
135 65.4 50.7 76.1





#9
 Propene
 Concen: 0.993 ppbv
 RT: 2.687 min Scan# 20
 Delta R.T. 0.006 min
 Lab File: VL040433.D
 Acq: 16 May 2023 10:54

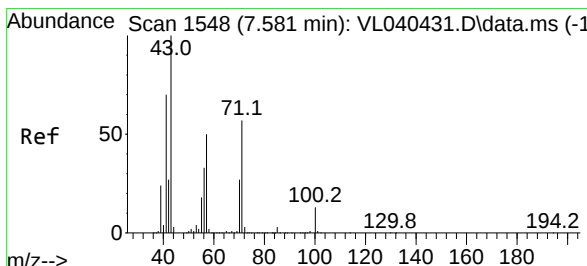
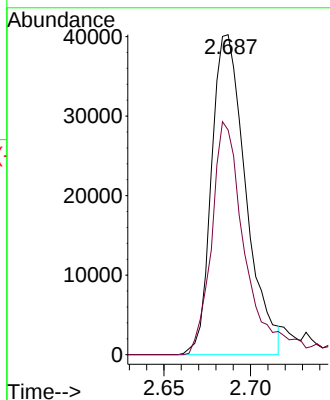
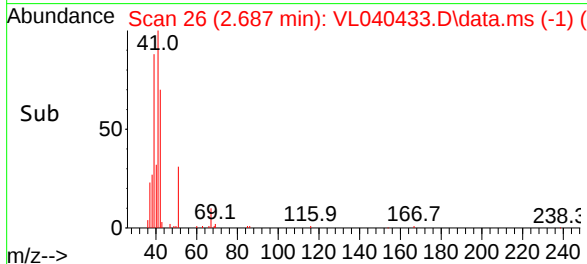
Instrument :
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 ClientSampleId :
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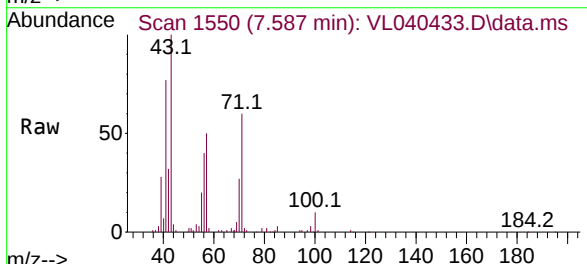
Tgt Ion: 41 Resp: 55434
 Ion Ratio Lower Upper
 41 100
 42 73.5 56.5 84.7

Manual Integrations
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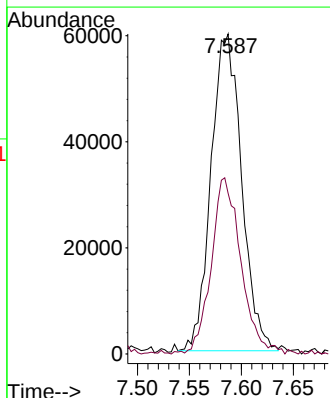
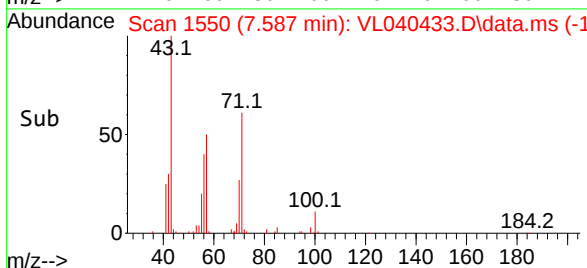
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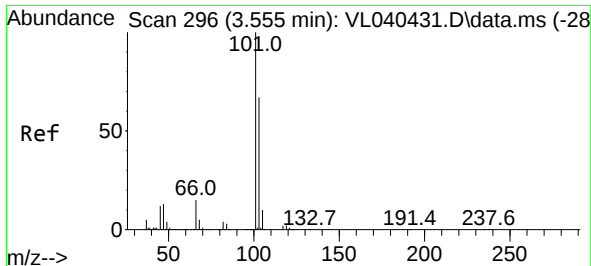


#10
 Heptane
 Concen: 0.962 ppbv
 RT: 7.587 min Scan# 1550
 Delta R.T. 0.006 min
 Lab File: VL040433.D
 Acq: 16 May 2023 10:54



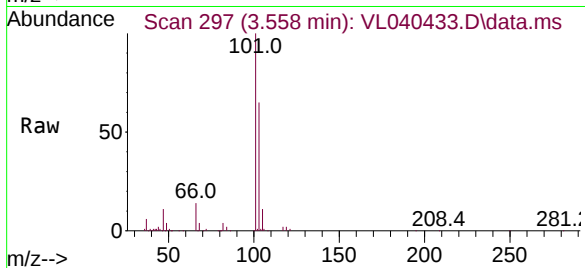
Tgt Ion: 43 Resp: 122128
 Ion Ratio Lower Upper
 43 100
 57 53.6 42.2 63.4





#11
 Trichlorofluoromethane
 Concen: 0.986 ppbv
 RT: 3.558 min Scan# 296
 Delta R.T. 0.006 min
 Lab File: VL040433.D
 Acq: 16 May 2023 10:54

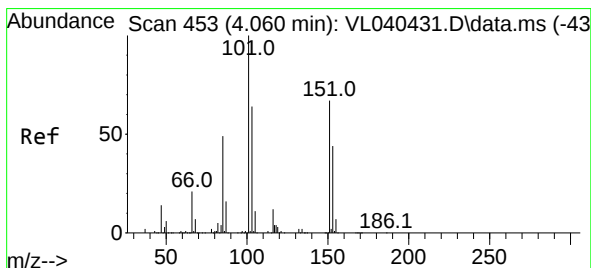
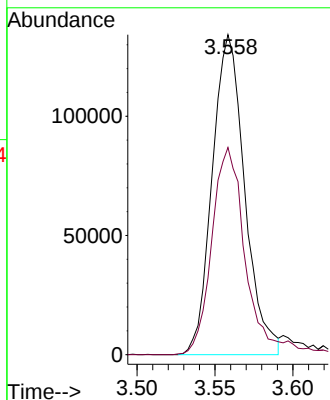
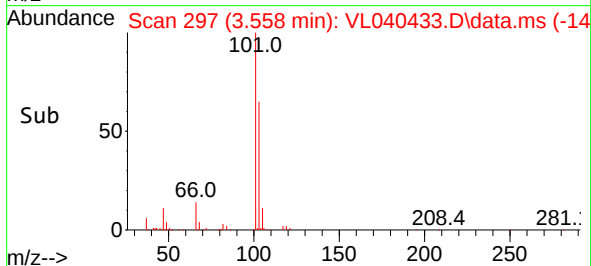
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001



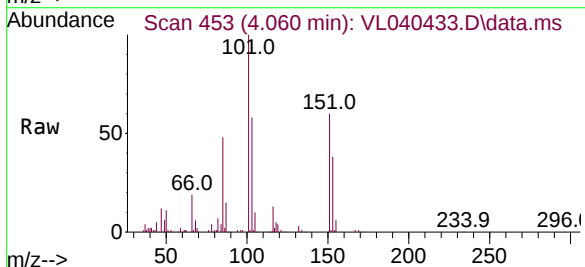
Tgt Ion:101 Resp: 194612
 Ion Ratio Lower Upper
 101 100
 103 64.5 52.2 78.4

Manual Integrations
 APPROVED

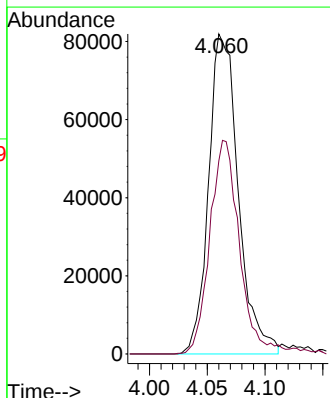
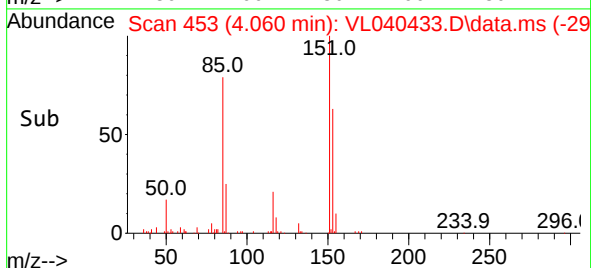
Reviewed By :Semsettin Yesilyurt 05/17/2023
 Supervised By :Mahesh Dadoda 05/17/2023

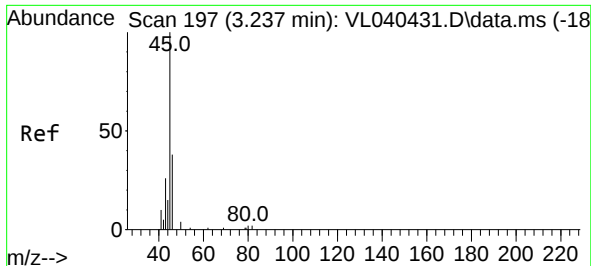


#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 1.059 ppbv
 RT: 4.060 min Scan# 453
 Delta R.T. -0.000 min
 Lab File: VL040433.D
 Acq: 16 May 2023 10:54



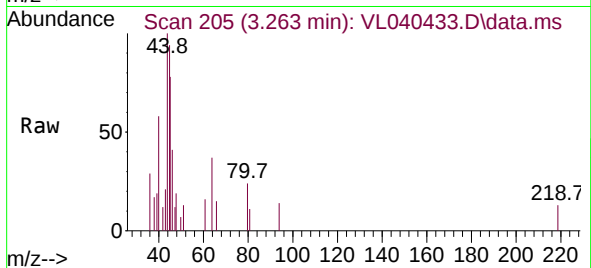
Tgt Ion:101 Resp: 146209
 Ion Ratio Lower Upper
 101 100
 151 67.9 54.7 82.1





#13
Ethanol
Concen: 1.011 ppbv m
RT: 3.263 min Scan# 205
Delta R.T. 0.033 min
Lab File: VL040433.D
Acq: 16 May 2023 10:54

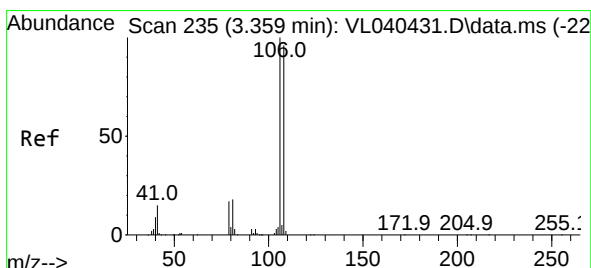
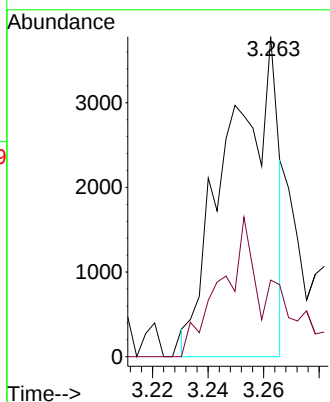
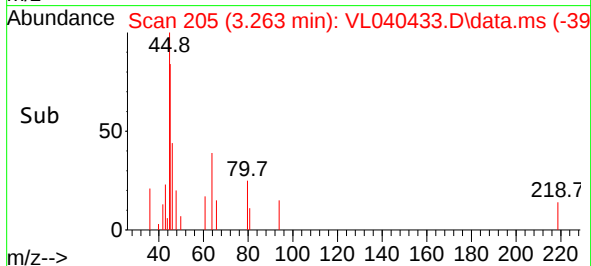
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001



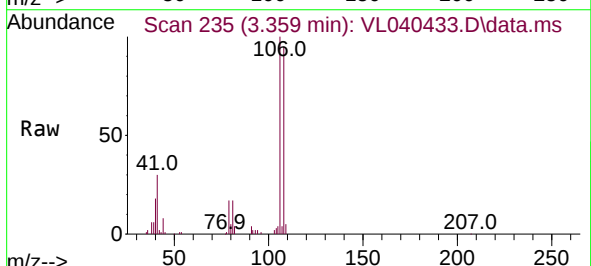
Tgt Ion: 45 Resp: 471
Ion Ratio Lower Upper
45 100
46 57.2 15.3 61.3

Manual Integrations
APPROVED

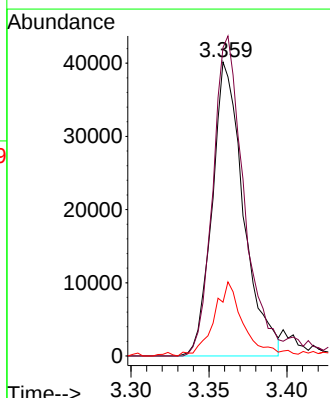
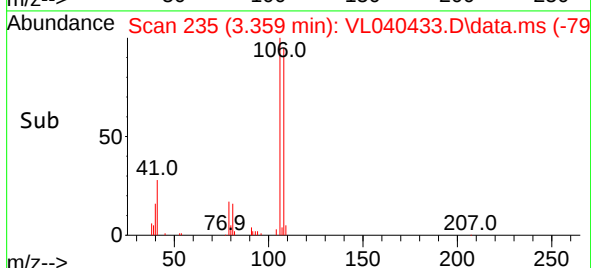
Reviewed By :Semsettin Yesilyurt 05/17/2023
Supervised By :Mahesh Dadoda 05/17/2023

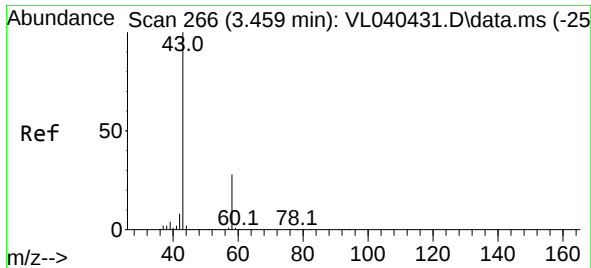


#14
Bromoethene
Concen: 0.995 ppbv
RT: 3.359 min Scan# 235
Delta R.T. 0.003 min
Lab File: VL040433.D
Acq: 16 May 2023 10:54



Tgt Ion:108 Resp: 56174
Ion Ratio Lower Upper
108 100
106 116.0 88.3 132.5
79 26.0 16.1 24.1#





#15

Acetone

Concen: 0.898 ppbv

RT: 3.472 min Scan# 21

Delta R.T. 0.017 min

Lab File: VL040433.D

Acq: 16 May 2023 10:54

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC001

Tgt Ion: 43 Resp: 137620

Ion Ratio Lower Upper

43 100

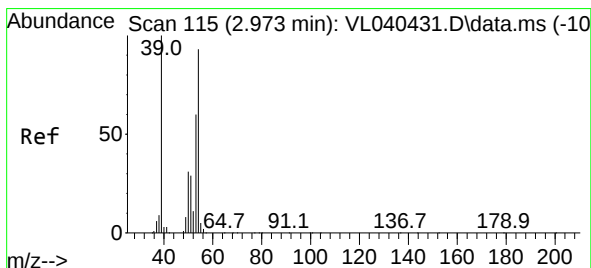
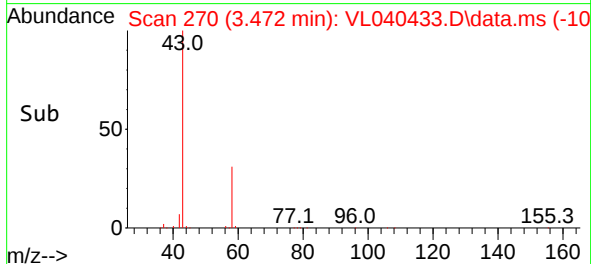
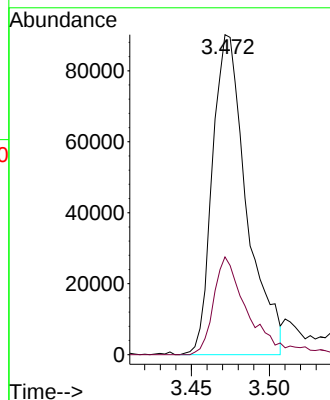
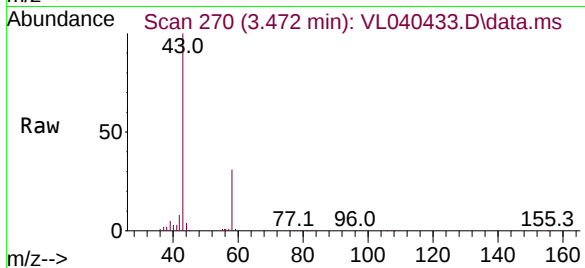
58 32.0 22.2 33.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 05/17/2023

Supervised By :Mahesh Dadoda 05/17/2023



#16

1,3-Butadiene

Concen: 0.955 ppbv

RT: 2.980 min Scan# 117

Delta R.T. 0.007 min

Lab File: VL040433.D

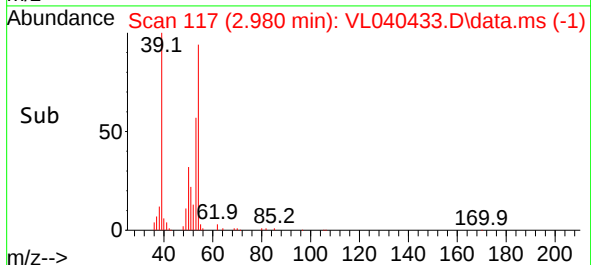
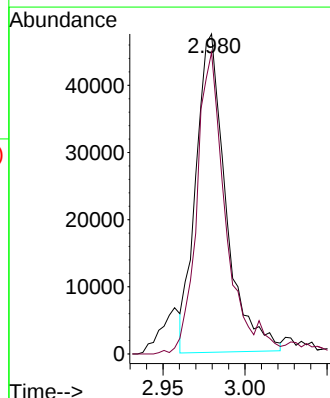
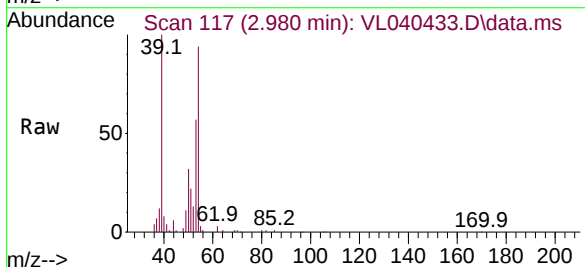
Acq: 16 May 2023 10:54

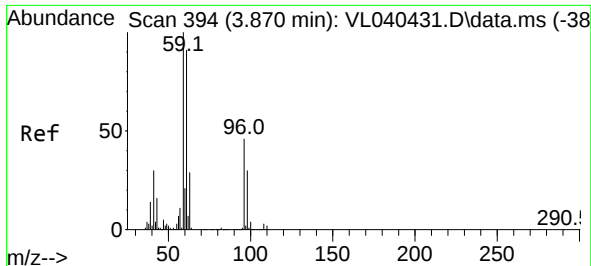
Tgt Ion: 39 Resp: 60518

Ion Ratio Lower Upper

39 100

54 95.2 68.8 103.2





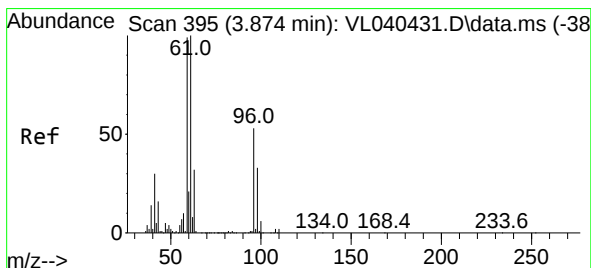
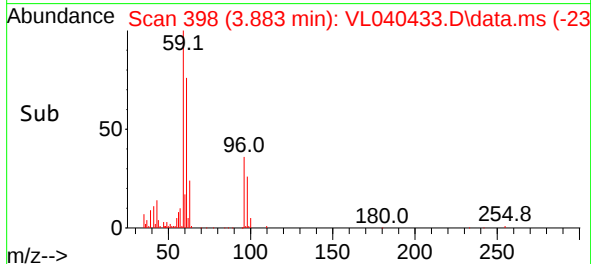
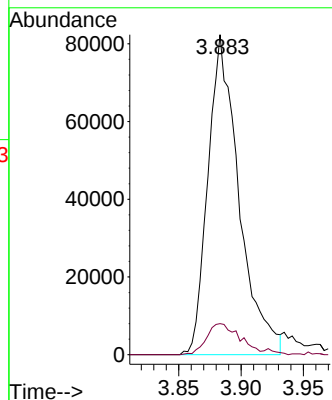
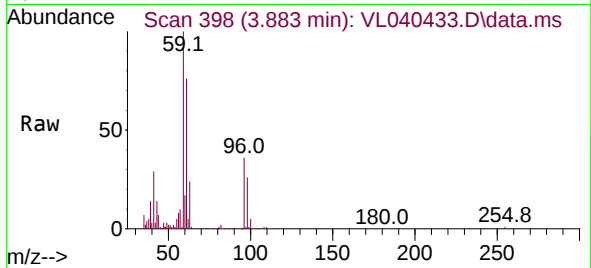
#17
tert-Butyl alcohol
Concen: 1.014 ppbv
RT: 3.883 min Scan# 394
Delta R.T. 0.016 min
Lab File: VL040433.D
Acq: 16 May 2023 10:54

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tgt Ion: 59 Resp: 142592
Ion Ratio Lower Upper
59 100
57 11.3 8.5 12.7

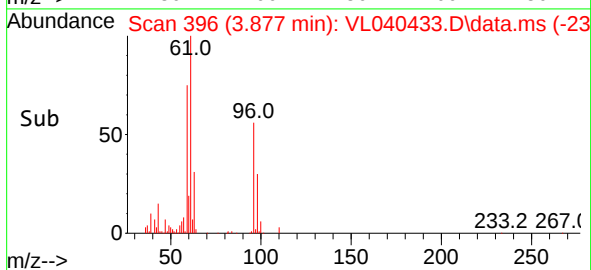
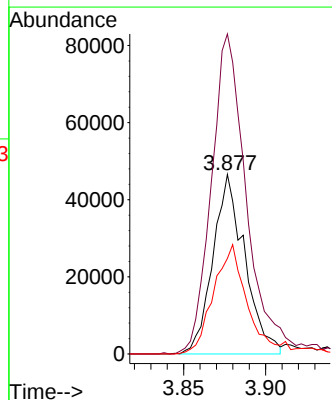
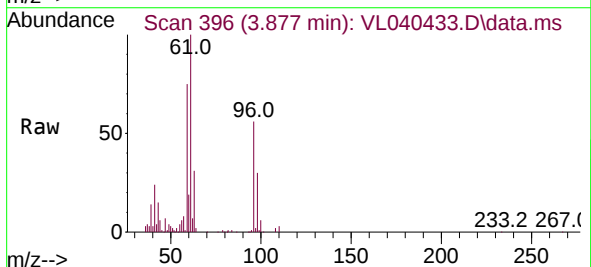
Manual Integrations
APPROVED

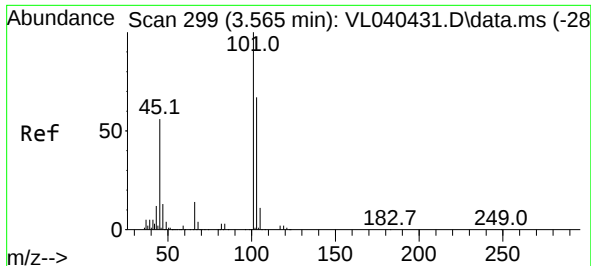
Reviewed By :Semsettin Yesilyurt 05/17/2023
Supervised By :Mahesh Dadoda 05/17/2023



#18
1,1-Dichloroethene
Concen: 1.009 ppbv
RT: 3.877 min Scan# 396
Delta R.T. 0.007 min
Lab File: VL040433.D
Acq: 16 May 2023 10:54

Tgt Ion: 96 Resp: 62843
Ion Ratio Lower Upper
96 100
61 176.7 148.3 222.5
98 52.8 49.8 74.8





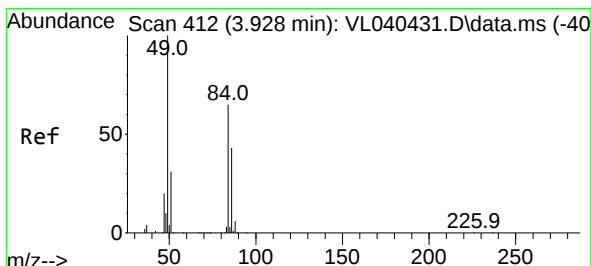
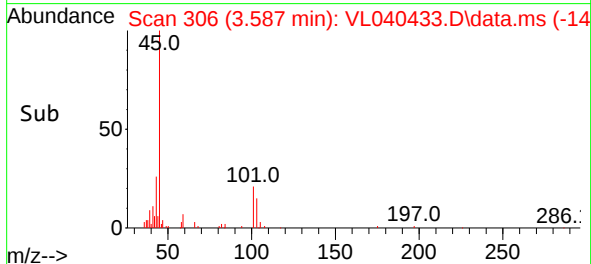
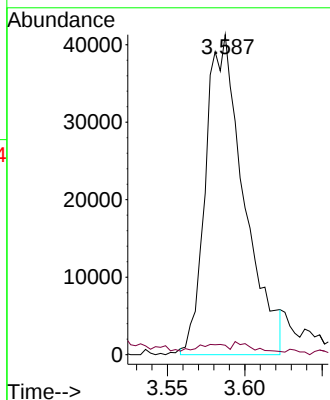
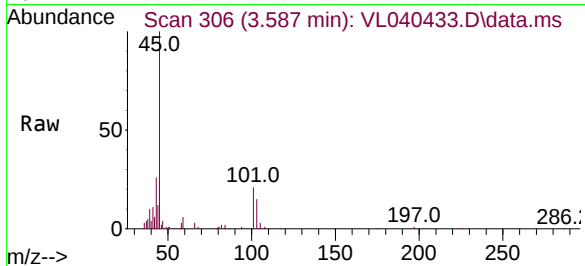
#19
Isopropyl Alcohol
Concen: 1.014 ppbv m
RT: 3.587 min Scan# 306
Delta R.T. 0.022 min
Lab File: VL040433.D
Acq: 16 May 2023 10:54

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tgt Ion: 45 Resp: 70902
Ion Ratio Lower Upper
45 100
58 0.0 2.6 4.0

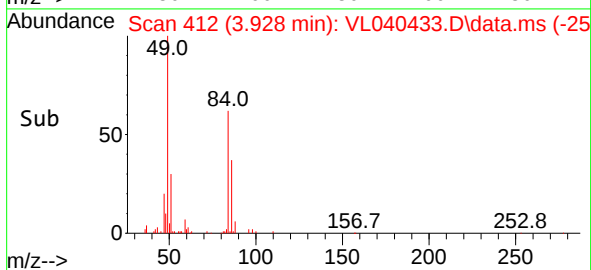
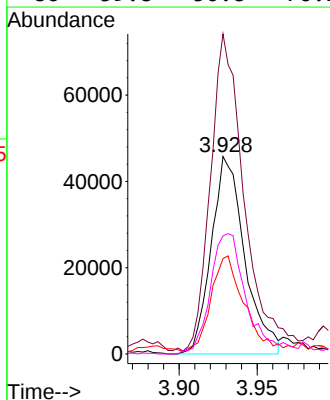
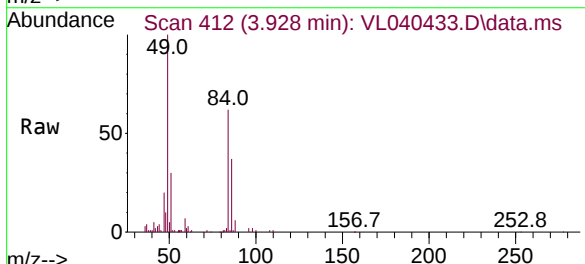
Manual Integrations
APPROVED

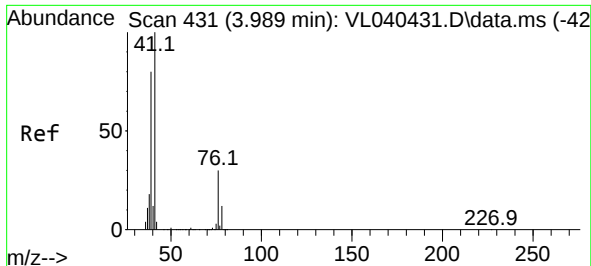
Reviewed By :Semsettin Yesilyurt 05/17/2023
Supervised By :Mahesh Dadoda 05/17/2023



#20
Methylene Chloride
Concen: 1.117 ppbv
RT: 3.928 min Scan# 412
Delta R.T. 0.003 min
Lab File: VL040433.D
Acq: 16 May 2023 10:54

Tgt Ion: 84 Resp: 68327
Ion Ratio Lower Upper
84 100
49 159.0 120.1 180.1
51 46.2 36.3 54.5
86 59.8 50.8 76.2





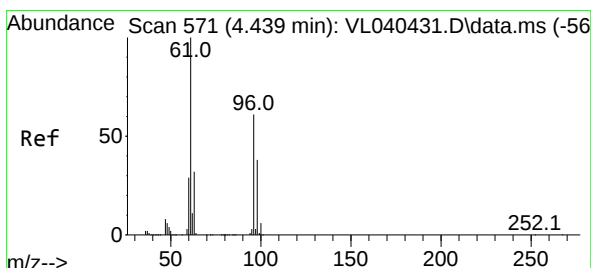
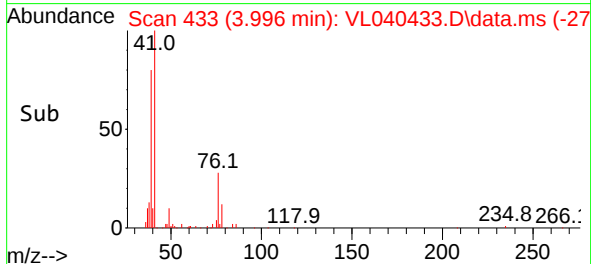
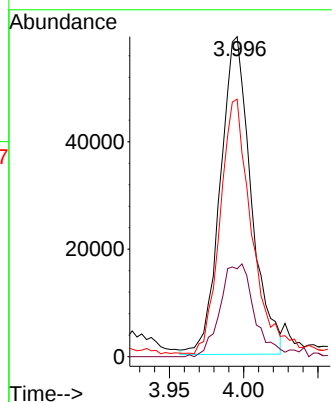
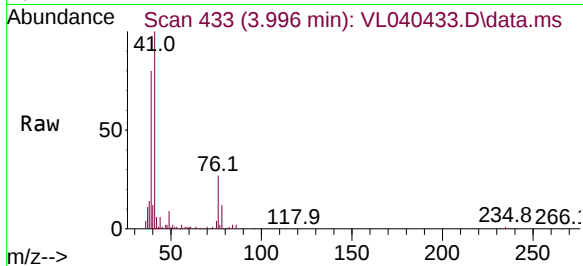
#21
 Allyl Chloride
 Concen: 0.984 ppbv
 RT: 3.996 min Scan# 41
 Delta R.T. 0.010 min
 Lab File: VL040433.D
 Acq: 16 May 2023 10:54

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tgt Ion: 41 Resp: 8564
 Ion Ratio Lower Upper
 41 100
 76 33.9 25.5 38.3
 39 88.9 64.0 96.0

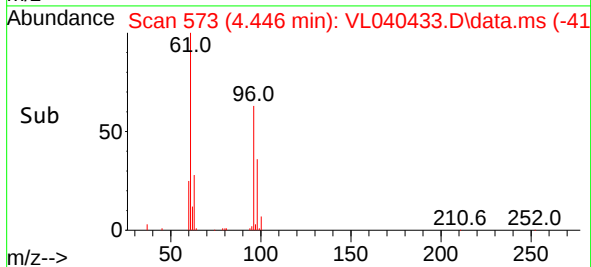
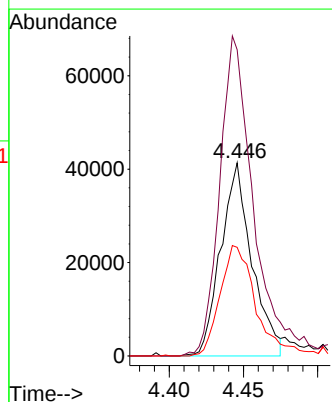
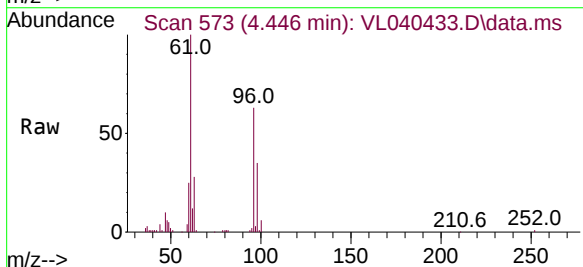
Manual Integrations
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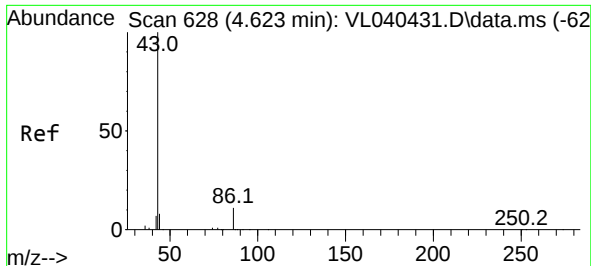
Reviewed By :Semsettin Yesilyurt 05/17/2023
 Supervised By :Mahesh Dadoda 05/17/2023



#22
 trans-1,2-Dichloroethene
 Concen: 0.969 ppbv
 RT: 4.446 min Scan# 573
 Delta R.T. 0.007 min
 Lab File: VL040433.D
 Acq: 16 May 2023 10:54

Tgt Ion: 96 Resp: 60316
 Ion Ratio Lower Upper
 96 100
 61 158.5 129.4 194.2
 98 56.2 51.0 76.4





#23
 Vinyl Acetate
 Concen: 1.026 ppbv m
 RT: 4.629 min Scan# 610
 Delta R.T. 0.010 min
 Lab File: VL040433.D
 Acq: 16 May 2023 10:54

Instrument :

MSVOA_L

ClientSampleId :

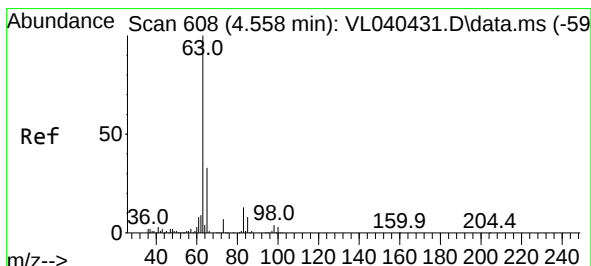
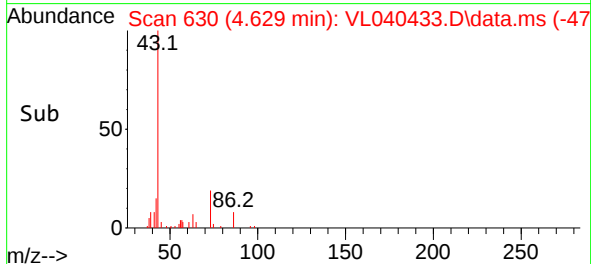
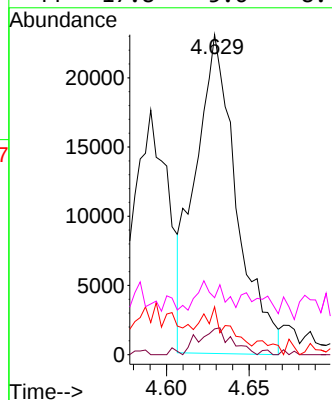
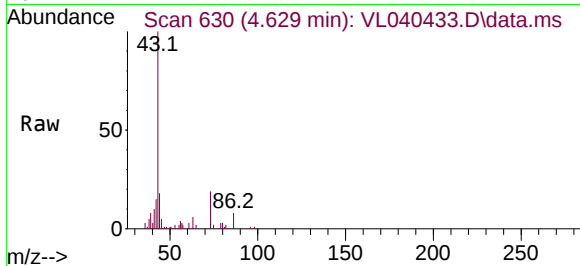
VSTDICC001

Tgt Ion: 43 Resp: 4002
 Ion Ratio Lower Upper
 43 100
 86 8.0 6.0 9.0
 42 15.0 6.4 9.6
 44 17.8 5.6 8.4#

Manual Integrations

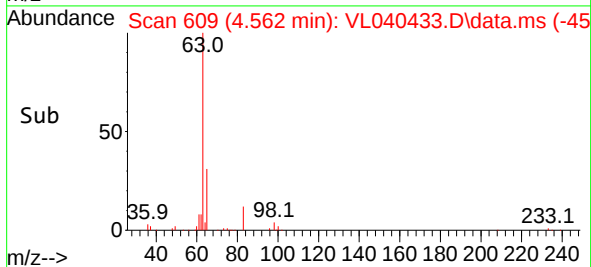
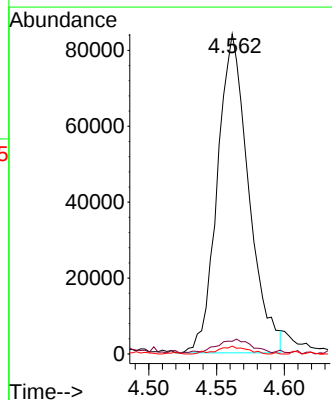
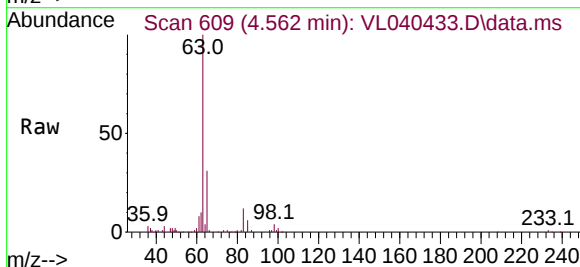
APPROVED

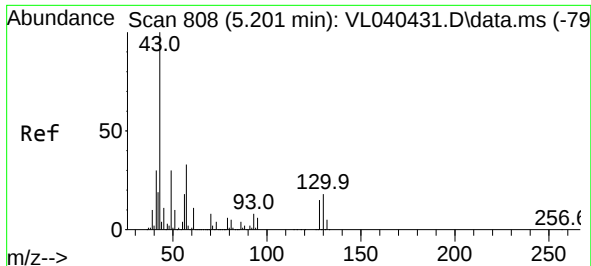
Reviewed By :Semsettin Yesilyurt 05/17/2023
 Supervised By :Mahesh Dadoda 05/17/2023



#24
 1,1-Dichloroethane
 Concen: 1.039 ppbv
 RT: 4.562 min Scan# 609
 Delta R.T. 0.004 min
 Lab File: VL040433.D
 Acq: 16 May 2023 10:54

Tgt Ion: 63 Resp: 134842
 Ion Ratio Lower Upper
 63 100
 98 3.7 2.1 6.2
 100 2.5 1.2 3.6





#25

Ethyl Acetate

Concen: 1.003 ppbv

RT: 5.211 min Scan# 811

Delta R.T. 0.010 min

Lab File: VL040433.D

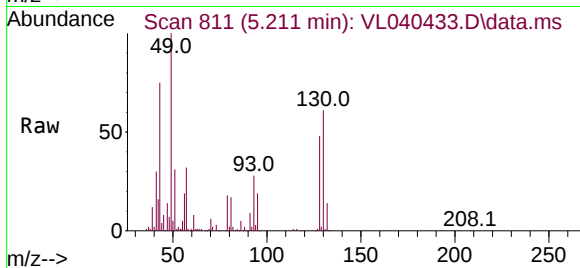
Acq: 16 May 2023 10:54

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC001



Tgt Ion: 43 Resp: 25858

Ion Ratio Lower Upper

43 100

45 11.0 8.5 12.7

61 11.8 8.5 12.7

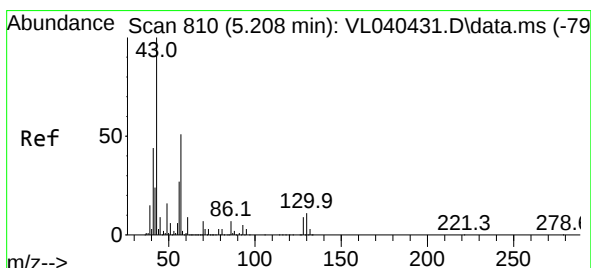
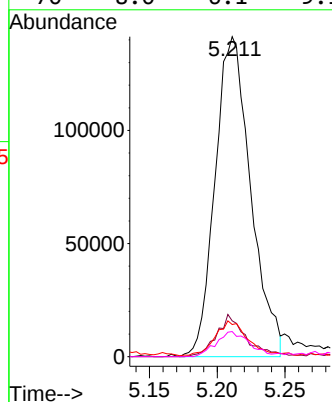
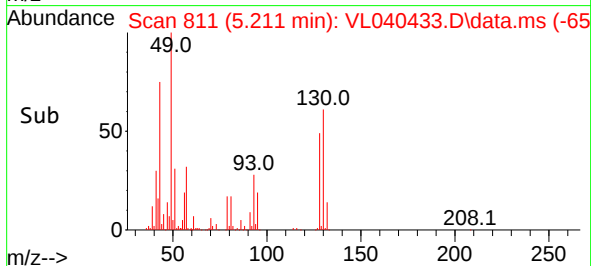
70 8.0 6.1 9.1

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 05/17/2023

Supervised By :Mahesh Dadoda 05/17/2023



#26

Hexane

Concen: 0.998 ppbv

RT: 5.214 min Scan# 812

Delta R.T. 0.006 min

Lab File: VL040433.D

Acq: 16 May 2023 10:54

Tgt Ion: 57 Resp: 108443

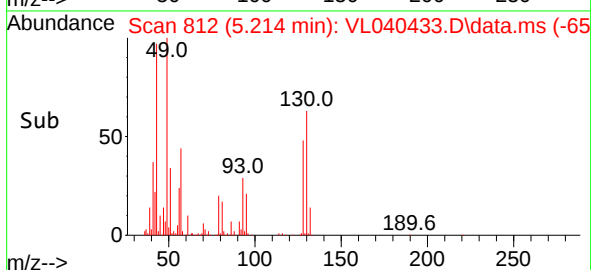
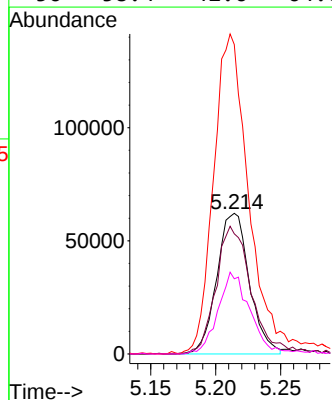
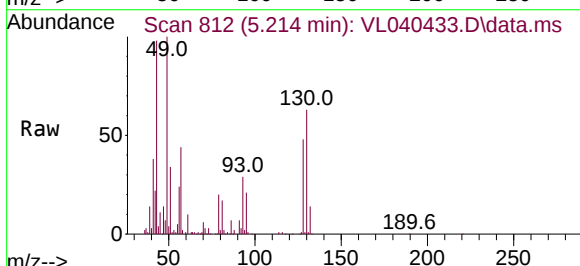
Ion Ratio Lower Upper

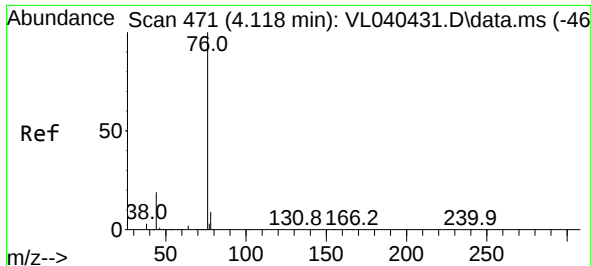
57 100

41 99.7 74.8 112.2

43 255.3 192.7 289.1

56 58.4 42.6 64.0





#27

Carbon Disulfide

Concen: 0.931 ppbv

RT: 4.121 min Scan# 41

Delta R.T. 0.003 min

Lab File: VL040433.D

Acq: 16 May 2023 10:54

Instrument :

MSVOA_L

ClientSampleId :

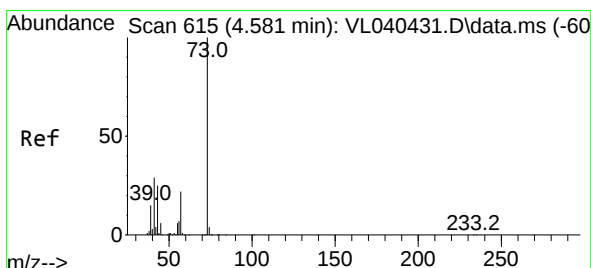
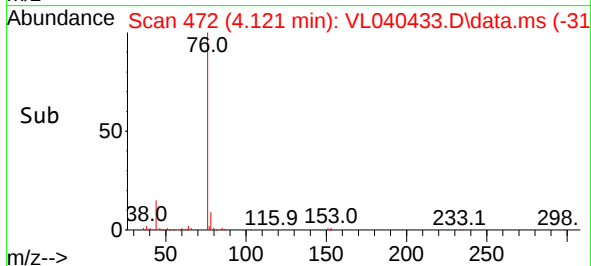
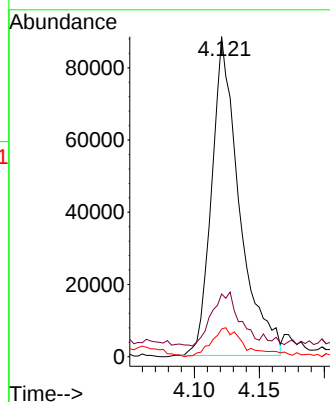
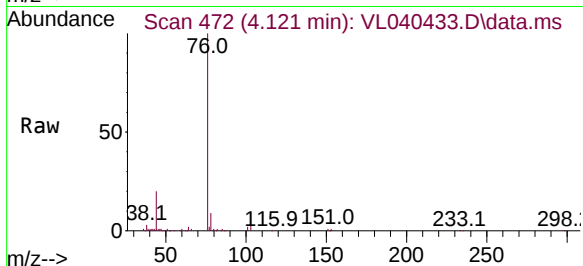
VSTDICC001

Tgt Ion: 76 Resp: 130930
 Ion Ratio Lower Upper
 76 100
 44 19.1 14.7 22.1
 78 12.1 7.7 11.5

Manual Integrations

APPROVED

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



#28

Methyl tert-Butyl Ether

Concen: 1.038 ppbv

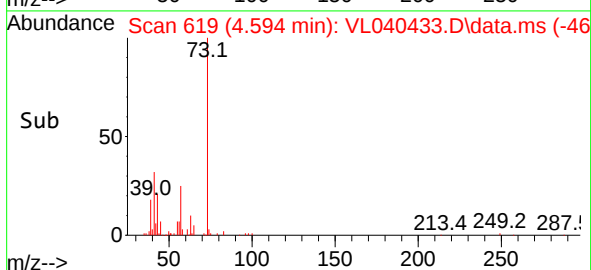
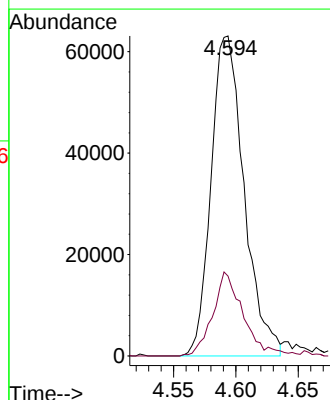
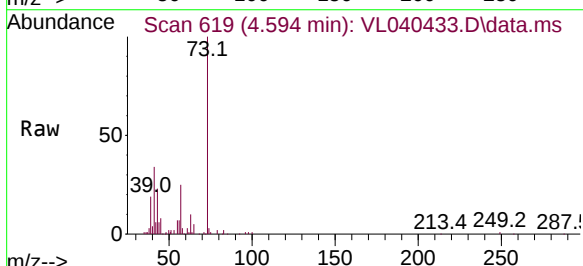
RT: 4.594 min Scan# 619

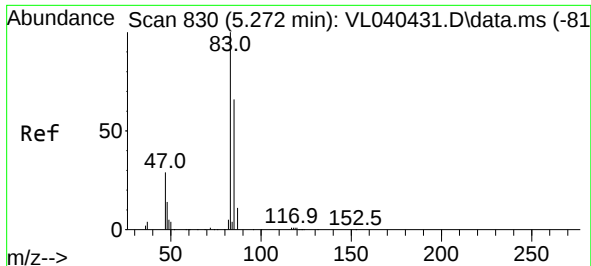
Delta R.T. 0.013 min

Lab File: VL040433.D

Acq: 16 May 2023 10:54

Tgt Ion: 73 Resp: 116450
 Ion Ratio Lower Upper
 73 100
 57 24.7 18.6 27.8





#29

Chloroform

Concen: 1.038 ppbv

RT: 5.275 min Scan# 81

Delta R.T. 0.003 min

Lab File: VL040433.D

Acq: 16 May 2023 10:54

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tgt Ion: 83 Resp: 20089

Ion Ratio Lower Upper

83 100

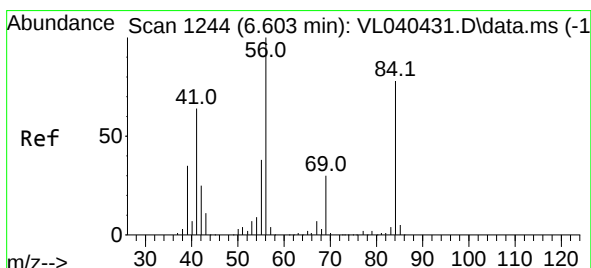
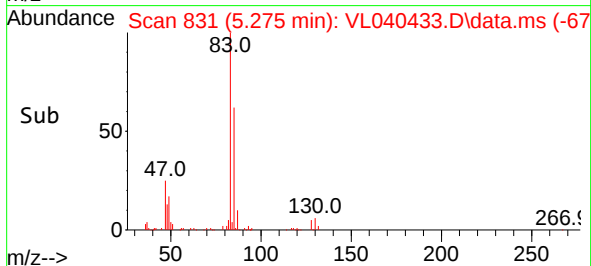
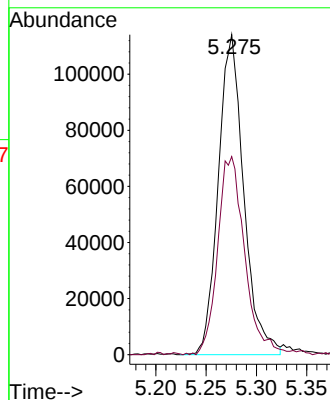
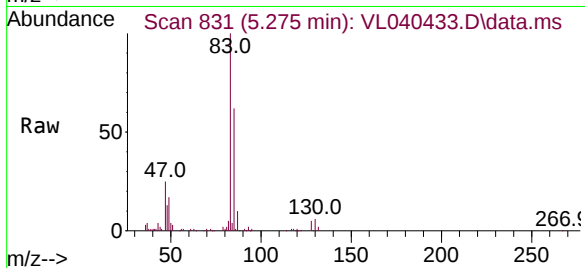
85 61.6 51.0 76.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 05/17/2023

Supervised By :Mahesh Dadoda 05/17/2023



#30

Cyclohexane

Concen: 0.964 ppbv

RT: 6.610 min Scan# 1246

Delta R.T. 0.010 min

Lab File: VL040433.D

Acq: 16 May 2023 10:54

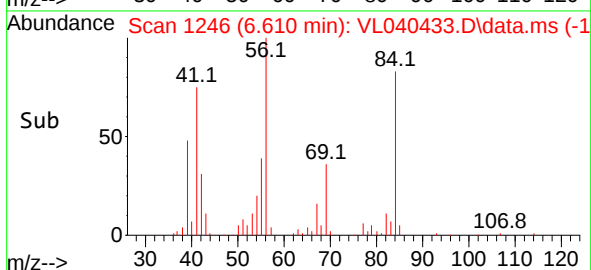
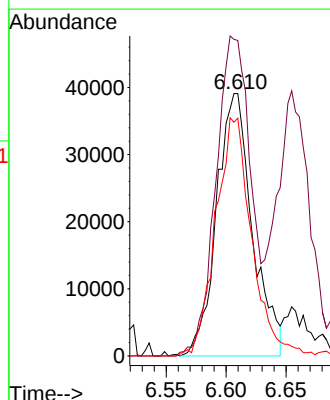
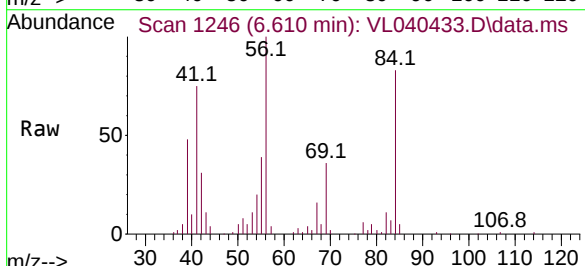
Tgt Ion: 84 Resp: 81113

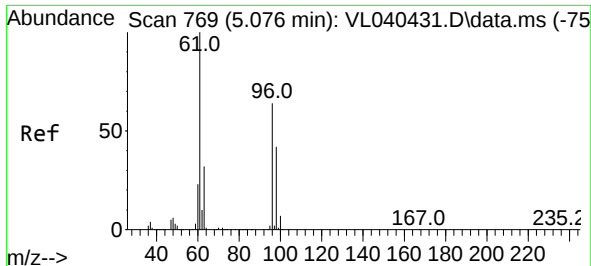
Ion Ratio Lower Upper

84 100

56 120.3 107.0 160.6

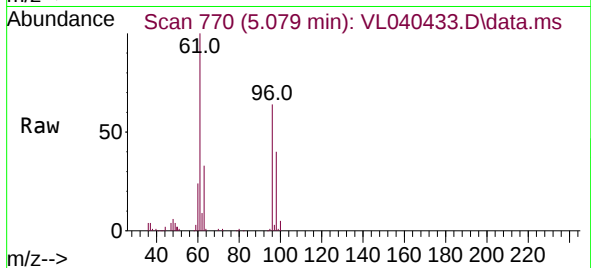
41 92.1 66.7 100.1





#31
cis-1,2-Dichloroethene
Concen: 0.981 ppbv
RT: 5.079 min Scan# 71
Delta R.T. 0.003 min
Lab File: VL040433.D
Acq: 16 May 2023 10:54

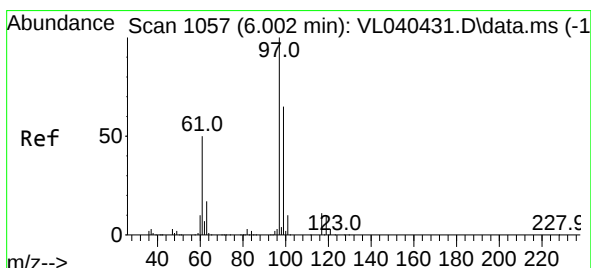
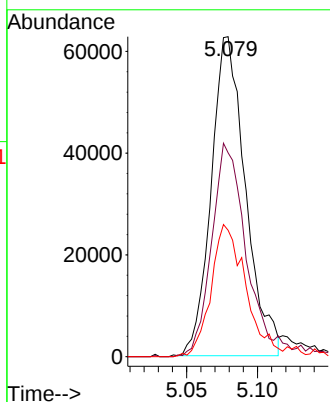
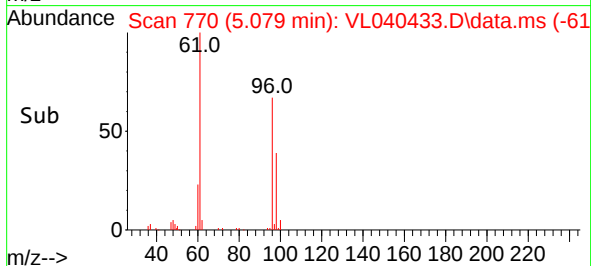
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001



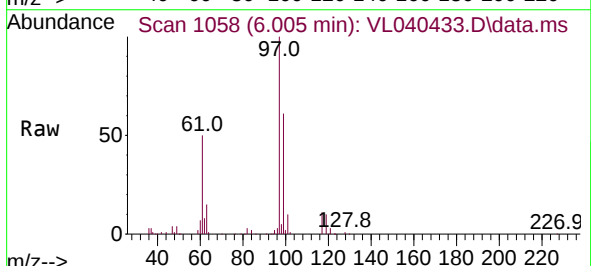
Tgt Ion: 61 Resp: 105640
Ion Ratio Lower Upper
61 100
96 63.3 53.0 79.4
98 39.3 33.8 50.8

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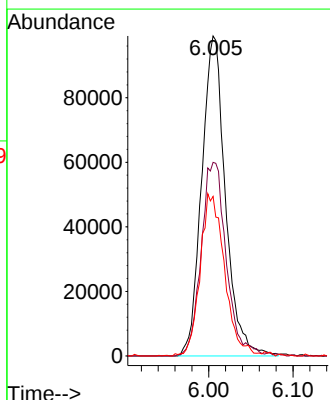
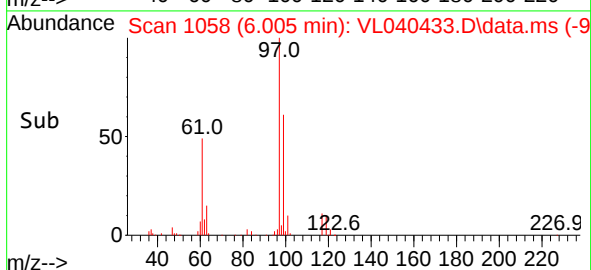
Reviewed By :Semsettin Yesilyurt 05/17/2023
Supervised By :Mahesh Dadoda 05/17/2023

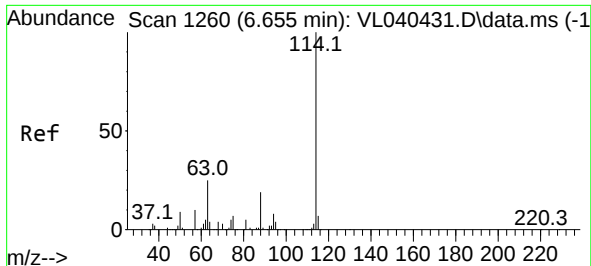


#32
1,1,1-Trichloroethane
Concen: 1.034 ppbv
RT: 6.005 min Scan# 1058
Delta R.T. 0.003 min
Lab File: VL040433.D
Acq: 16 May 2023 10:54



Tgt Ion: 97 Resp: 194555
Ion Ratio Lower Upper
97 100
99 64.2 51.8 77.8
61 52.6 40.4 60.6





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.655 min Scan# 114

Delta R.T. -0.000 min

Lab File: VL040433.D

Acq: 16 May 2023 10:54

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC001

Tgt Ion:114 Resp: 273006

Ion Ratio Lower Upper

114 100

63 25.9 21.4 32.0

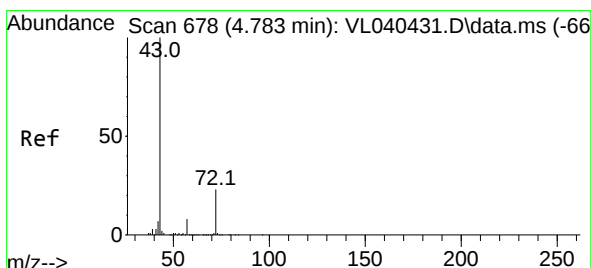
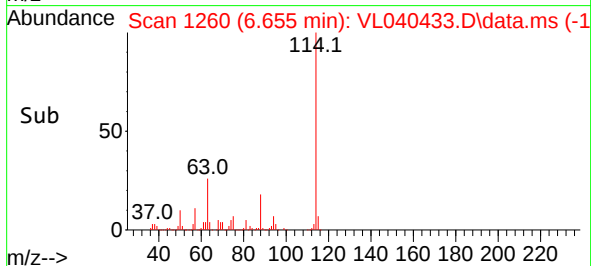
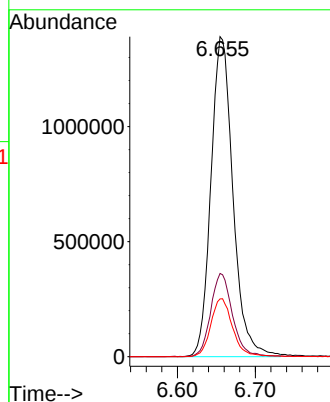
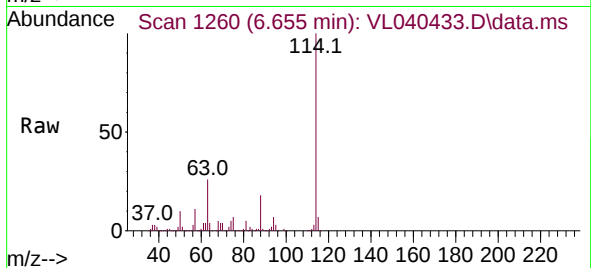
88 18.1 14.6 22.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 05/17/2023

Supervised By :Mahesh Dadoda 05/17/2023



#34

2-Butanone

Concen: 1.023 ppbv

RT: 4.790 min Scan# 680

Delta R.T. 0.010 min

Lab File: VL040433.D

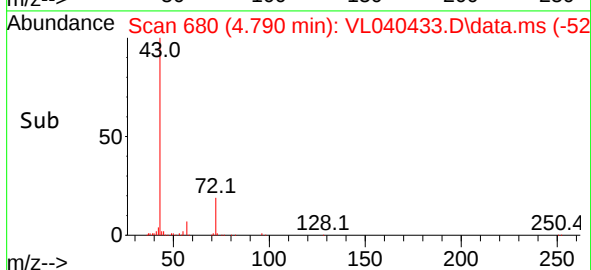
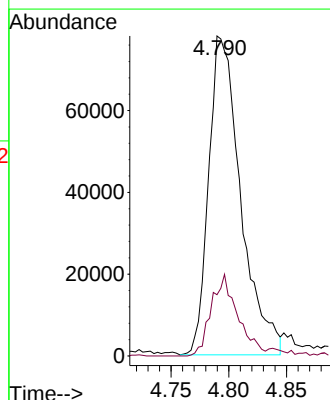
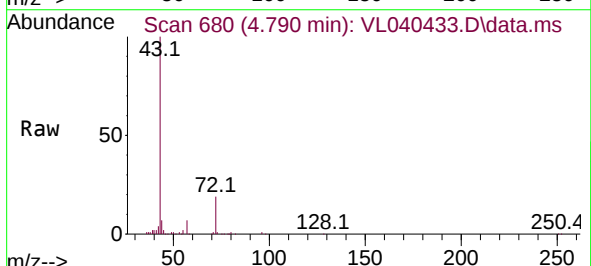
Acq: 16 May 2023 10:54

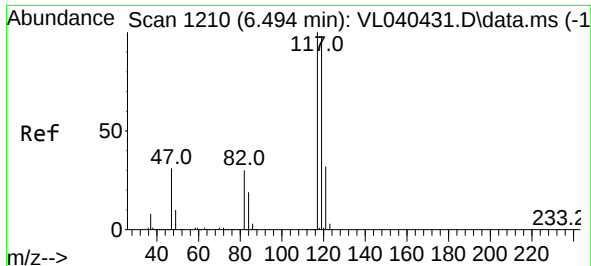
Tgt Ion: 43 Resp: 150633

Ion Ratio Lower Upper

43 100

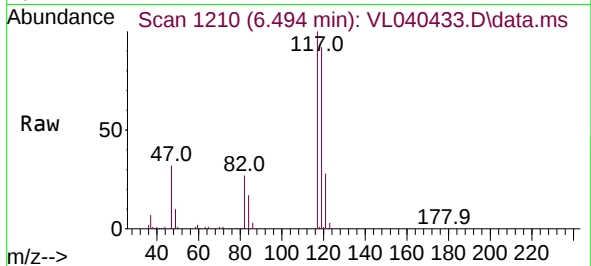
72 23.1 18.4 27.6





#35
Carbon Tetrachloride
Concen: 0.996 ppbv
RT: 6.494 min Scan# 1170
Delta R.T. -0.000 min
Lab File: VL040433.D
Acq: 16 May 2023 10:54

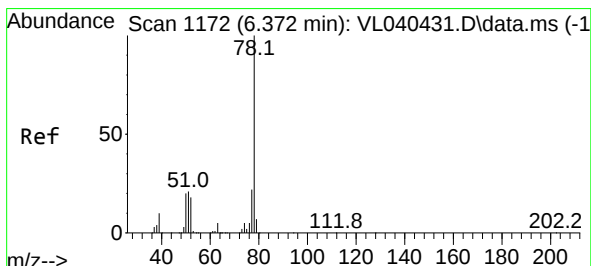
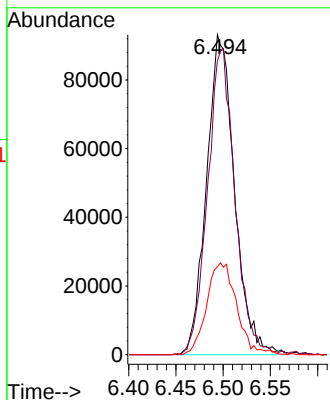
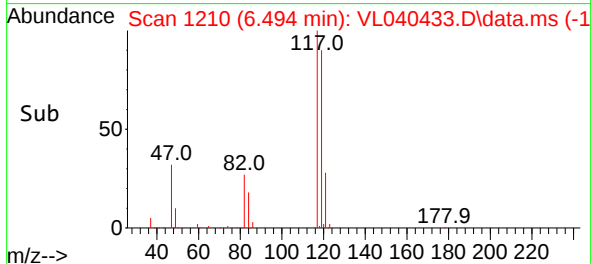
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001



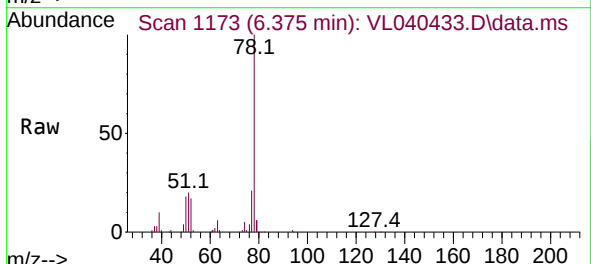
Tgt Ion: 117 Resp: 191462
Ion Ratio Lower Upper
117 100
119 91.8 76.6 114.8
121 27.3 25.3 37.9

Manual Integrations
APPROVED

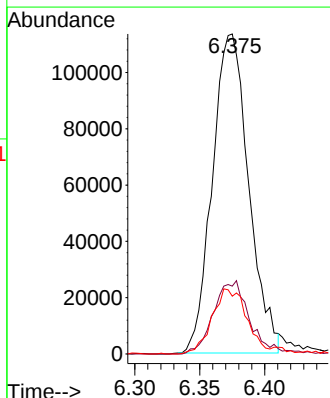
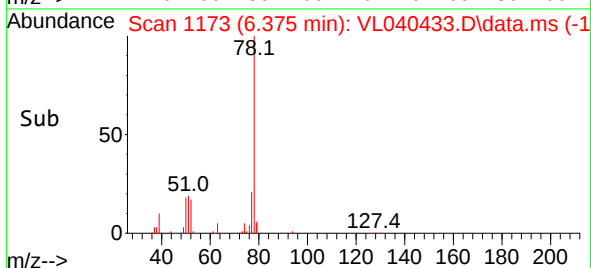
Reviewed By :Semsettin Yesilyurt 05/17/2023
Supervised By :Mahesh Dadoda 05/17/2023

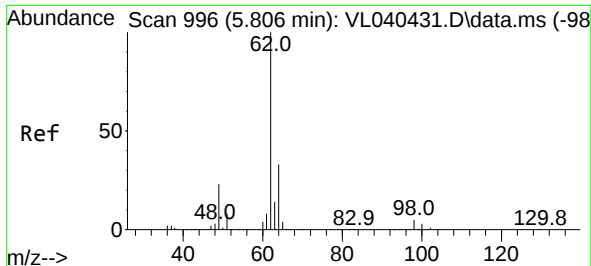


#36
Benzene
Concen: 0.990 ppbv
RT: 6.375 min Scan# 1173
Delta R.T. 0.003 min
Lab File: VL040433.D
Acq: 16 May 2023 10:54



Tgt Ion: 78 Resp: 220451
Ion Ratio Lower Upper
78 100
77 21.0 17.8 26.8
50 18.1 15.6 23.4





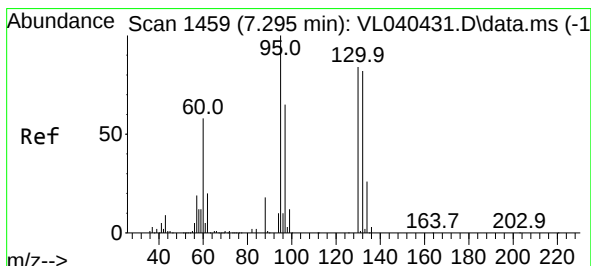
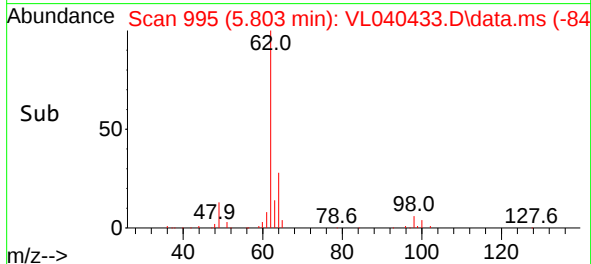
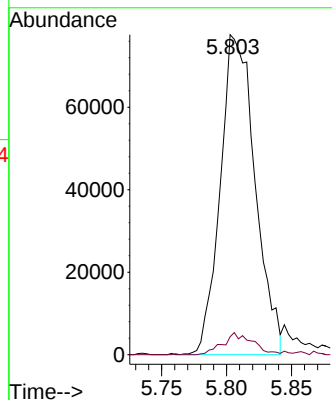
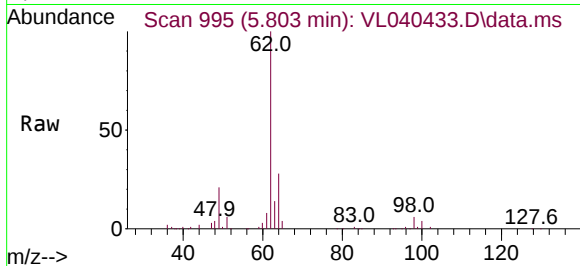
#37
1,2-Dichloroethane
Concen: 0.990 ppbv
RT: 5.803 min Scan# 996
Delta R.T. -0.003 min
Lab File: VL040433.D
Acq: 16 May 2023 10:54

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 62 Resp: 14486
Ion Ratio Lower Upper
62 100
98 6.6 4.4 6.6

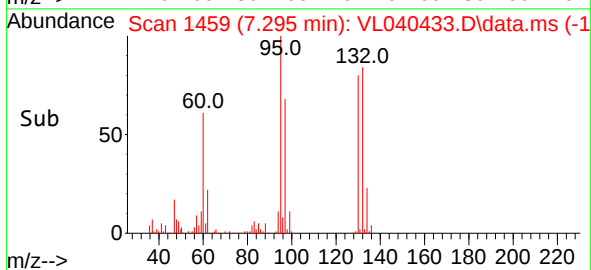
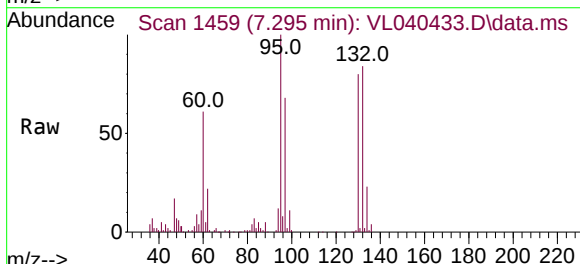
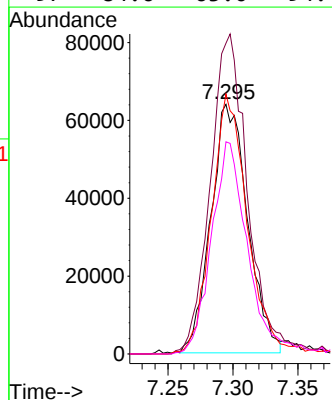
Manual Integrations
APPROVED

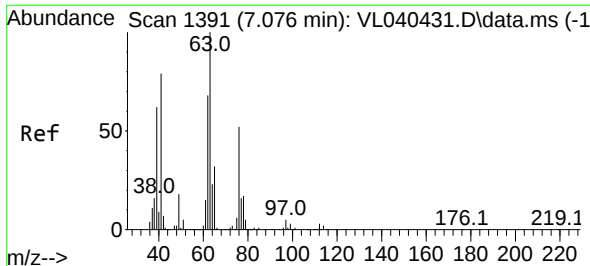
Reviewed By :Semsettin Yesilyurt 05/17/2023
Supervised By :Mahesh Dadoda 05/17/2023



#38
Trichloroethene
Concen: 0.994 ppbv
RT: 7.295 min Scan# 1459
Delta R.T. -0.000 min
Lab File: VL040433.D
Acq: 16 May 2023 10:54

Tgt Ion:130 Resp: 126022
Ion Ratio Lower Upper
130 100
95 123.3 97.4 146.0
132 103.6 77.5 116.3
97 84.6 63.0 94.4





#39

1,2-Dichloropropane

Concen: 1.001 ppbv

RT: 7.076 min Scan# 1391

Delta R.T. -0.000 min

Lab File: VL040433.D

Acq: 16 May 2023 10:54

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

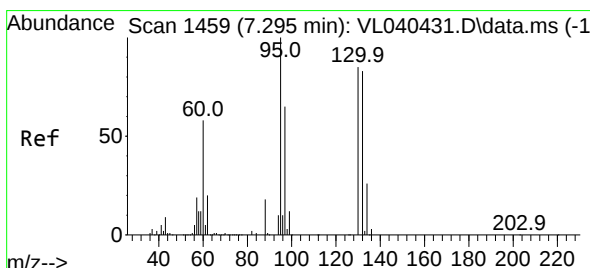
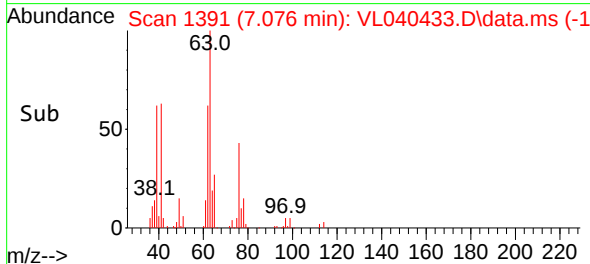
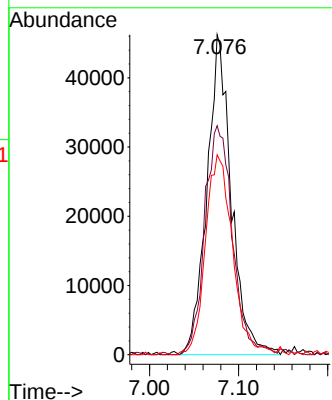
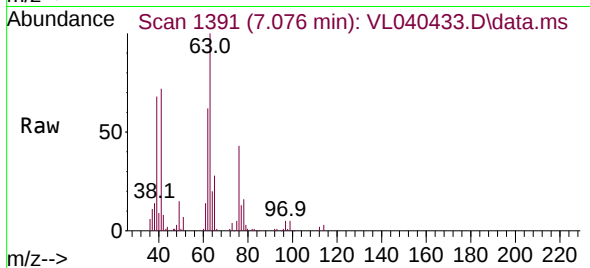
Tgt Ion: 63 Resp: 8773

Ion	Ratio	Lower	Upper
63	100		
41	71.6	59.6	89.4
62	61.7	53.9	80.9

Manual Integrations

APPROVED

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



#40

1,4-Dioxane

Concen: 1.076 ppbv m

RT: 7.320 min Scan# 1467

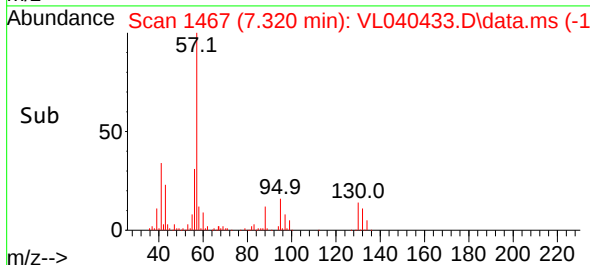
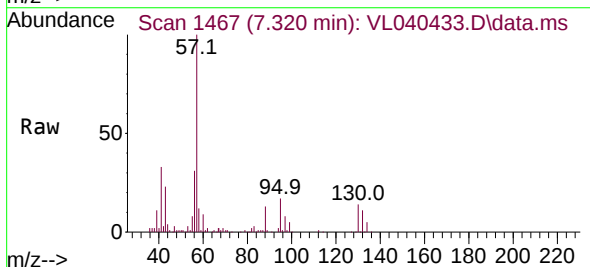
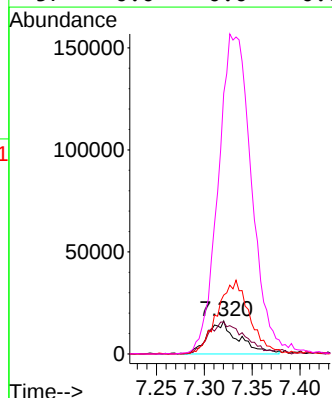
Delta R.T. 0.029 min

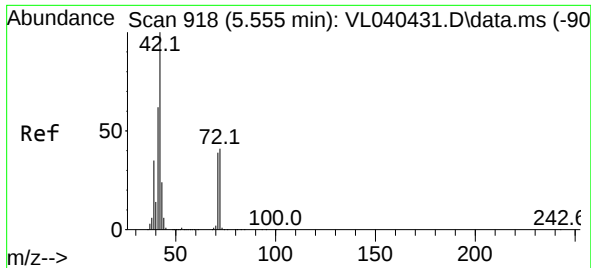
Lab File: VL040433.D

Acq: 16 May 2023 10:54

Tgt Ion: 88 Resp: 36103

Ion	Ratio	Lower	Upper
88	100		
58	0.0	100.8	151.2#
43	0.0	0.0	0.0
57	0.0	0.0	0.0





#41

Tetrahydrofuran

Concen: 0.976 ppbv m

RT: 5.578 min Scan# 918

Delta R.T. 0.023 min

Lab File: VL040433.D

Acq: 16 May 2023 10:54

Instrument :

MSVOA_L

ClientSampleId :

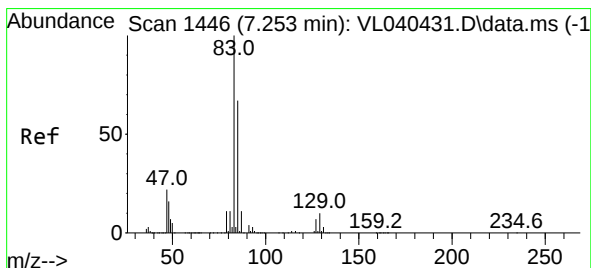
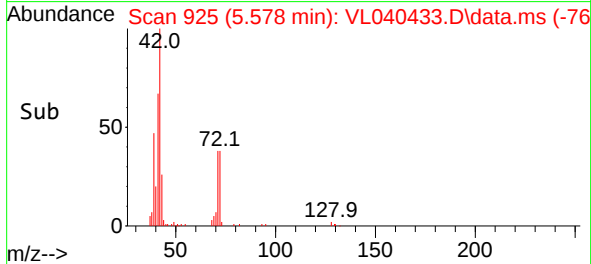
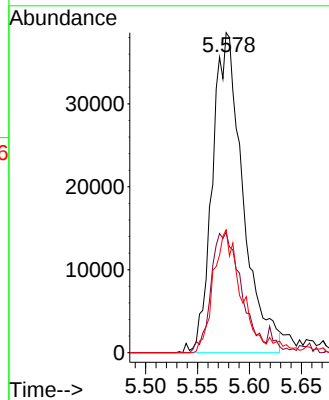
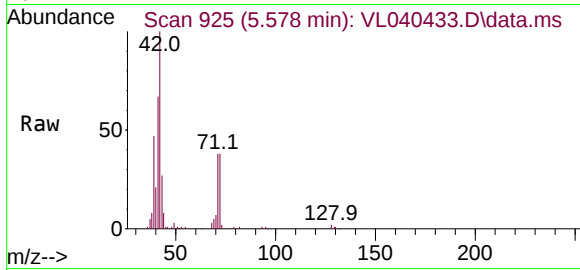
VSTDIC001

Tgt Ion: 42 Resp: 78690
 Ion Ratio Lower Upper
 42 100
 72 0.0 33.7 50.5
 71 0.0 32.2 48.2

Manual Integrations

APPROVED

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



#42

Bromodichloromethane

Concen: 0.968 ppbv

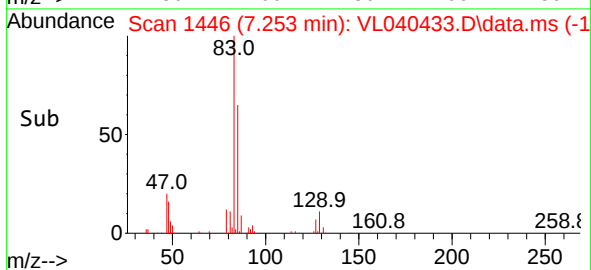
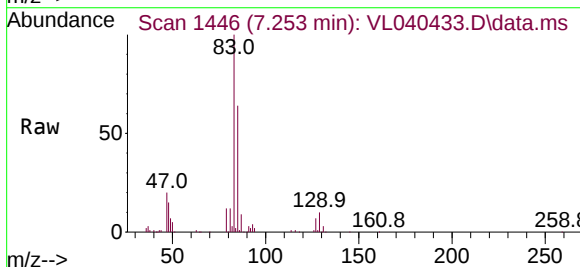
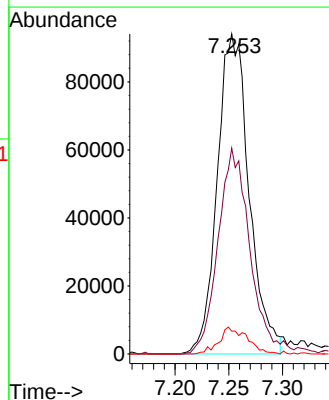
RT: 7.253 min Scan# 1446

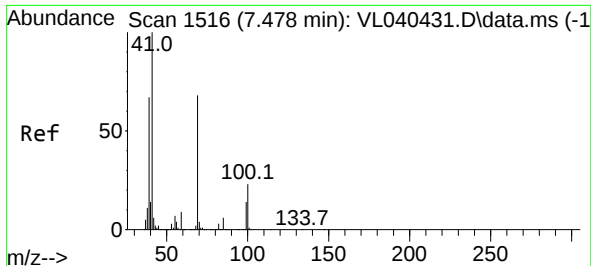
Delta R.T. -0.000 min

Lab File: VL040433.D

Acq: 16 May 2023 10:54

Tgt Ion: 83 Resp: 193487
 Ion Ratio Lower Upper
 83 100
 85 64.3 50.9 76.3
 127 7.2 6.4 9.6





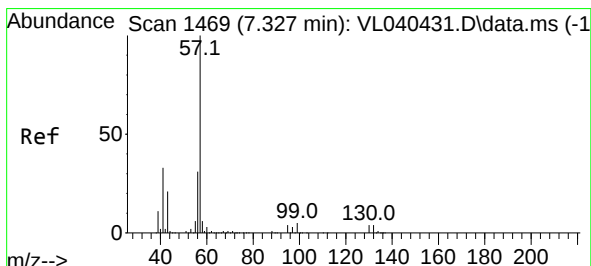
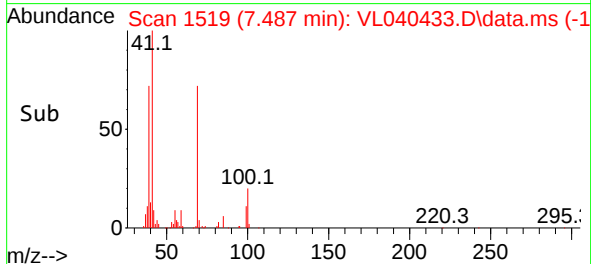
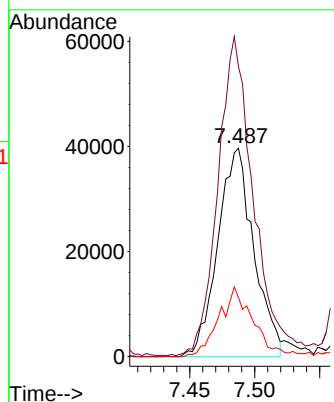
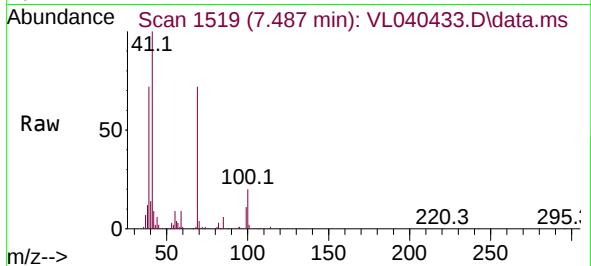
#43
Methyl Methacrylate
Concen: 0.924 ppbv
RT: 7.487 min Scan# 1516
Delta R.T. 0.012 min
Lab File: VL040433.D
Acq: 16 May 2023 10:54

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tgt Ion: 69 Resp: 76418
Ion Ratio Lower Upper
69 100
41 152.9 114.3 171.5
100 32.3 24.5 36.7

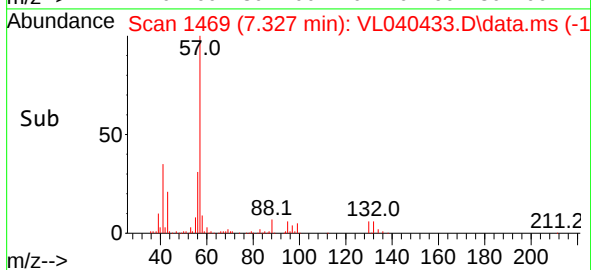
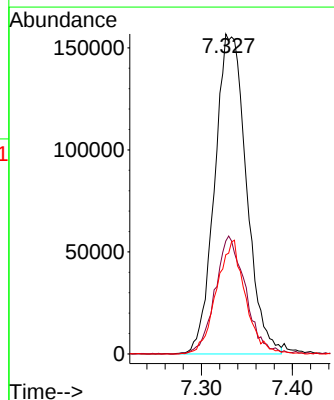
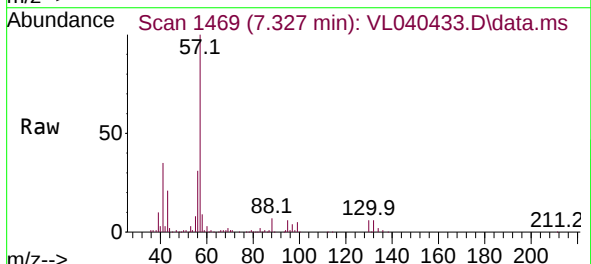
Manual Integrations
APPROVED

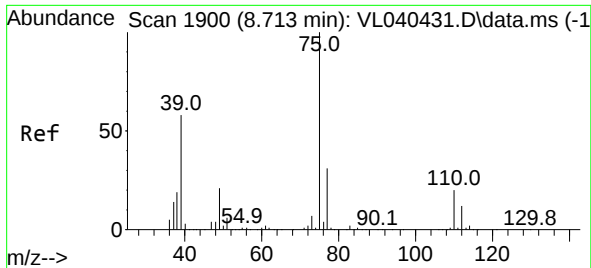
Reviewed By :Semsettin Yesilyurt 05/17/2023
Supervised By :Mahesh Dadoda 05/17/2023



#44
2,2,4-Trimethylpentane
Concen: 1.020 ppbv m
RT: 7.327 min Scan# 1469
Delta R.T. -0.003 min
Lab File: VL040433.D
Acq: 16 May 2023 10:54

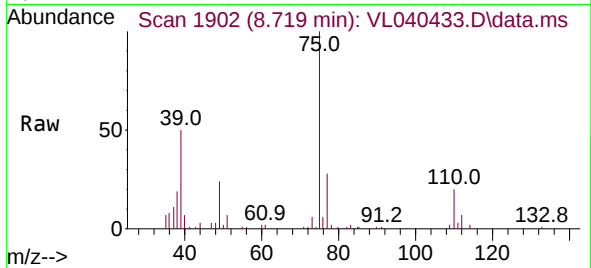
Tgt Ion: 57 Resp: 379587
Ion Ratio Lower Upper
57 100
41 0.0 26.9 40.3#
56 0.0 25.1 37.7#





#45
 t-1,3-Dichloropropene
 Concen: 0.791 ppbv
 RT: 8.719 min Scan# 1900
 Delta R.T. 0.003 min
 Lab File: VL040433.D
 Acq: 16 May 2023 10:54

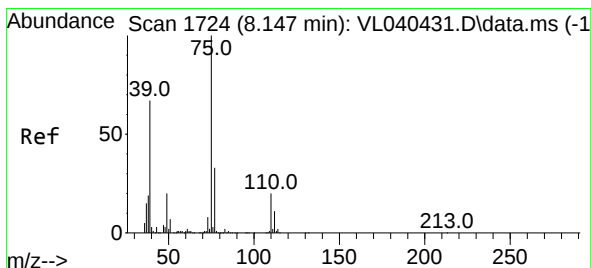
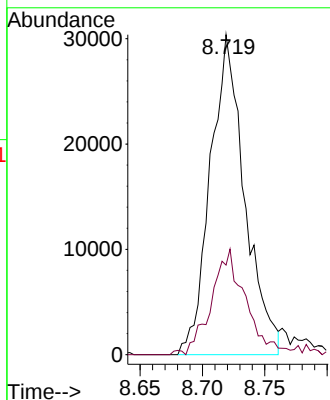
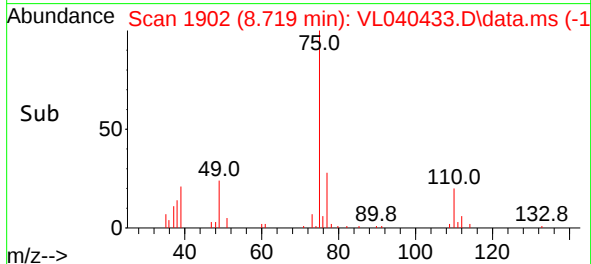
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001



Tgt Ion: 75 Resp: 58440
 Ion Ratio Lower Upper
 75 100
 77 28.0 26.8 40.2

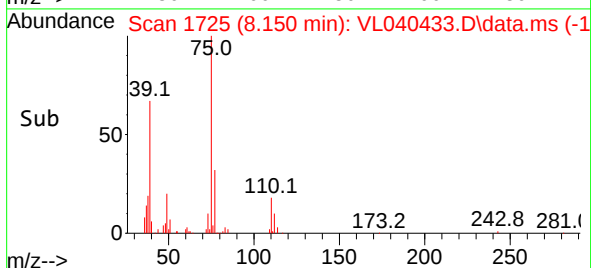
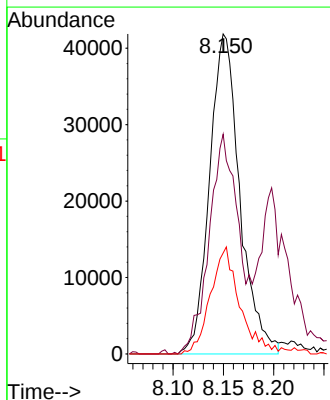
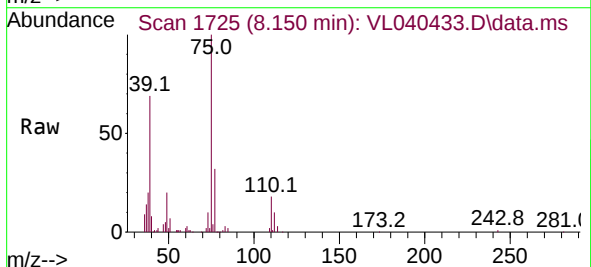
Manual Integrations
 APPROVED

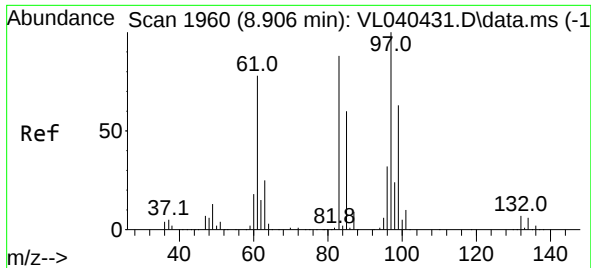
Reviewed By :Semsettin Yesilyurt 05/17/2023
 Supervised By :Mahesh Dadoda 05/17/2023



#46
 cis-1,3-Dichloropropene
 Concen: 0.853 ppbv
 RT: 8.150 min Scan# 1725
 Delta R.T. 0.003 min
 Lab File: VL040433.D
 Acq: 16 May 2023 10:54

Tgt Ion: 75 Resp: 87739
 Ion Ratio Lower Upper
 75 100
 39 68.7 53.4 80.2
 77 31.5 24.7 37.1





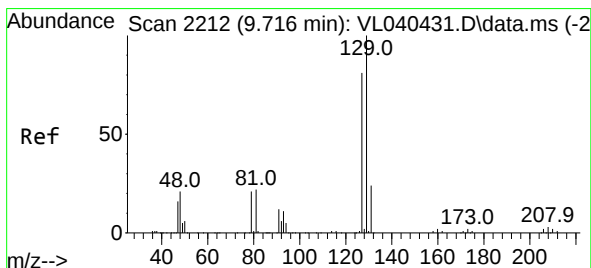
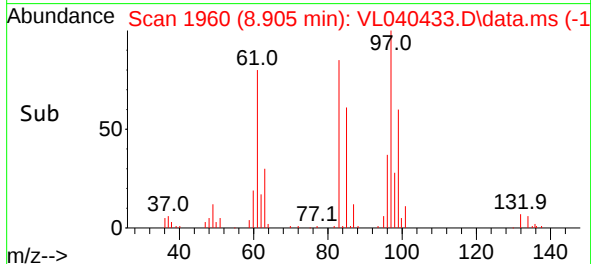
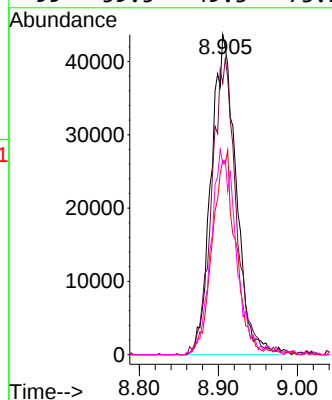
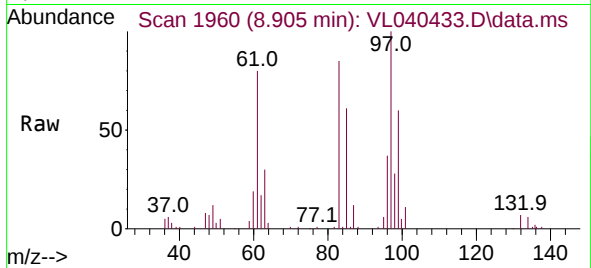
#47
1,1,2-Trichloroethane
Concen: 0.993 ppbv m
RT: 8.905 min Scan# 1960
Delta R.T. 0.000 min
Lab File: VL040433.D
Acq: 16 May 2023 10:54

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 97 Resp: 95458
Ion Ratio Lower Upper
97 100
83 84.8 73.3 109.9
85 60.7 46.9 70.3
99 59.5 49.3 73.9

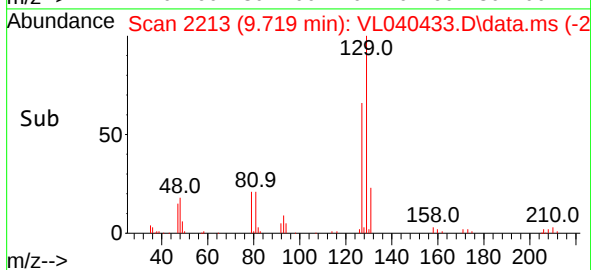
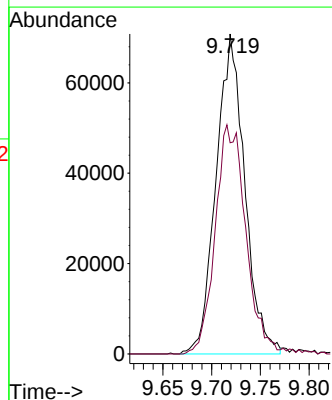
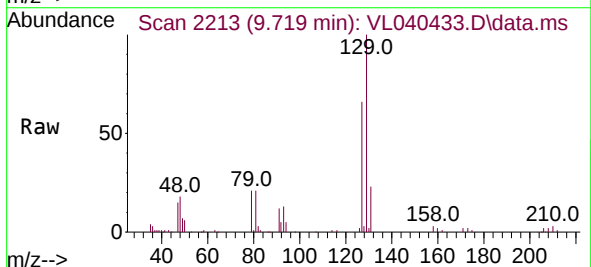
Manual Integrations
APPROVED

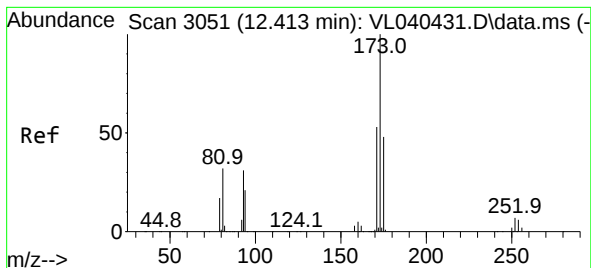
Reviewed By :Semsettin Yesilyurt 05/17/2023
Supervised By :Mahesh Dadoda 05/17/2023



#48
Dibromochloromethane
Concen: 0.936 ppbv
RT: 9.719 min Scan# 2213
Delta R.T. 0.003 min
Lab File: VL040433.D
Acq: 16 May 2023 10:54

Tgt Ion:129 Resp: 144886
Ion Ratio Lower Upper
129 100
127 76.9 39.2 117.6





#49

Bromoform

Concen: 0.901 ppbv

RT: 12.416 min Scan# 3051

Delta R.T. -0.001 min

Lab File: VL040433.D

Acq: 16 May 2023 10:54

Instrument :

MSVOA_L

ClientSampleId :

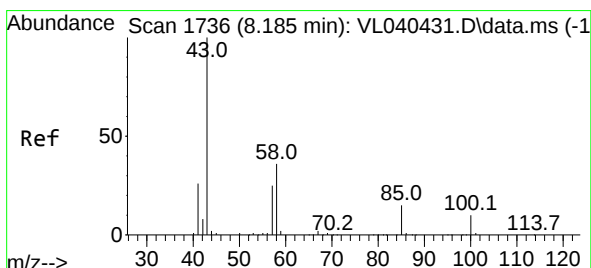
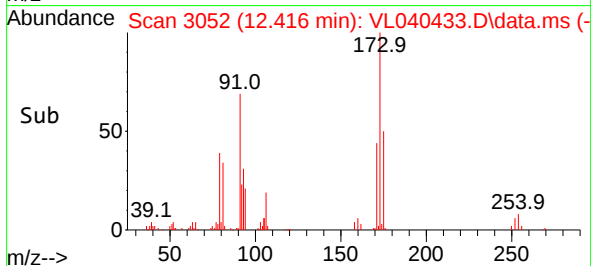
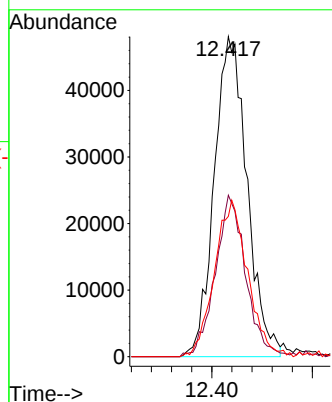
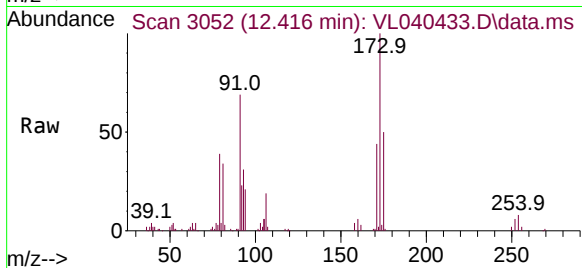
VSTDIC001

Tgt Ion:173	Resp: 10874
Ion Ratio	Lower Upper
173 100	
175 46.8	39.8 59.8
171 49.5	42.2 63.2

Manual Integrations

APPROVED

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



#50

4-Methyl-2-Pentanone

Concen: 0.985 ppbv

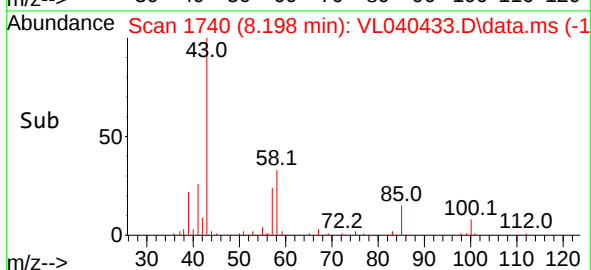
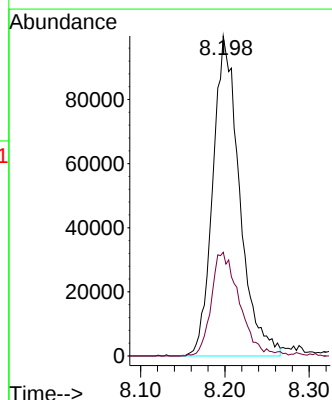
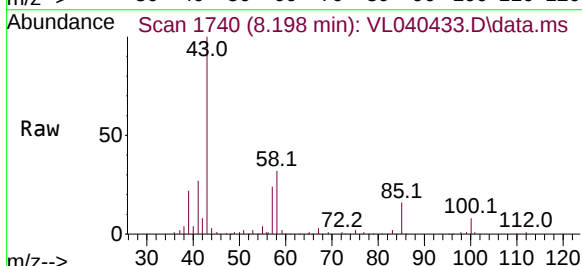
RT: 8.198 min Scan# 1740

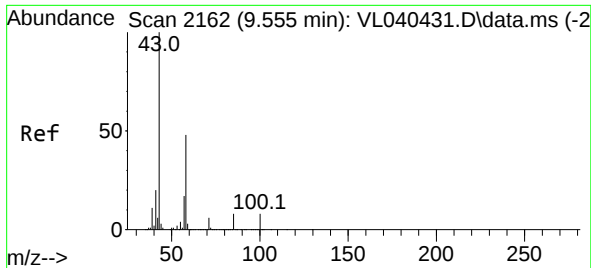
Delta R.T. 0.016 min

Lab File: VL040433.D

Acq: 16 May 2023 10:54

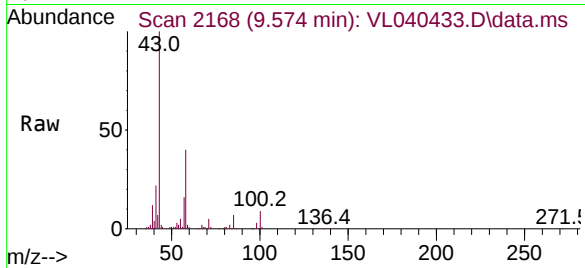
Tgt Ion: 43	Resp: 219930
Ion Ratio	Lower Upper
43 100	
58 34.8	28.6 43.0





#51
2-Hexanone
Concen: 0.910 ppbv m
RT: 9.574 min Scan# 2162
Delta R.T. 0.016 min
Lab File: VL040433.D
Acq: 16 May 2023 10:54

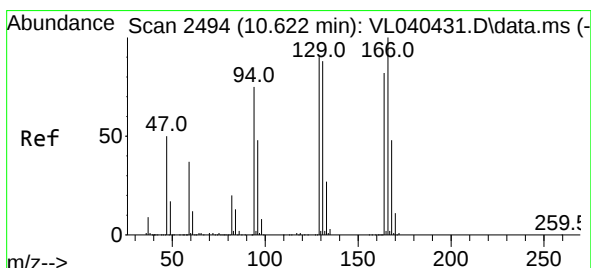
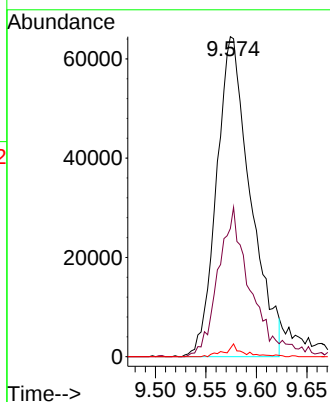
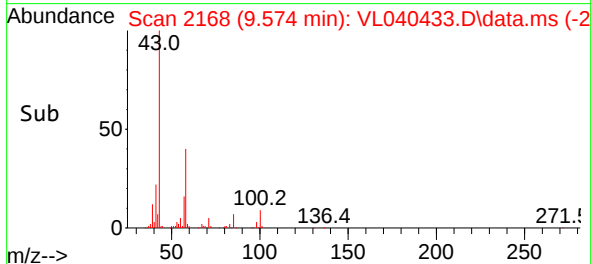
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001



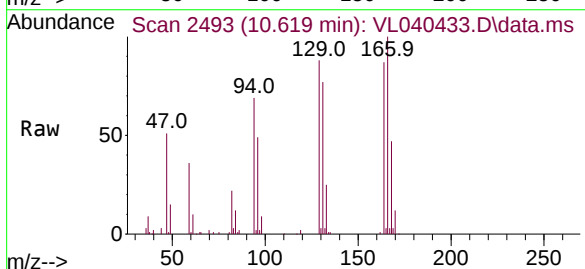
Tgt Ion: 43 Resp: 150170
Ion Ratio Lower Upper
43 100
58 45.6 38.3 57.5
98 2.2 0.4 0.6

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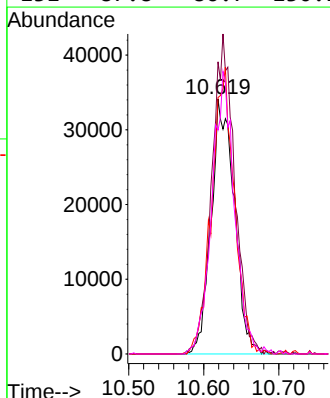
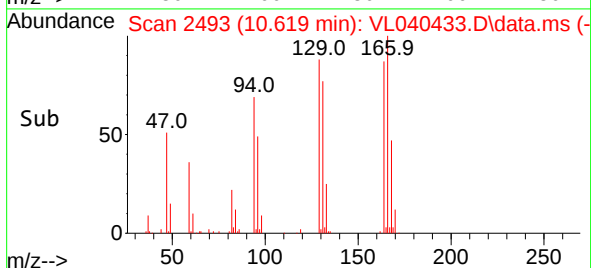
Reviewed By :Semsettin Yesilyurt 05/17/2023
Supervised By :Mahesh Dadoda 05/17/2023

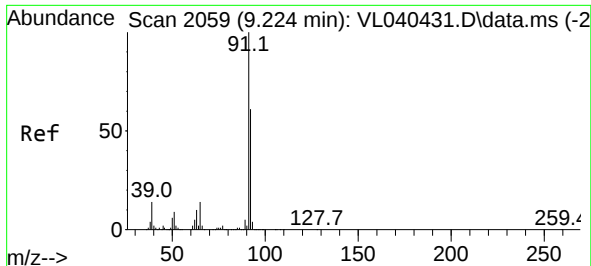


#52
Tetrachloroethene
Concen: 1.053 ppbv m
RT: 10.619 min Scan# 2493
Delta R.T. -0.003 min
Lab File: VL040433.D
Acq: 16 May 2023 10:54



Tgt Ion:164 Resp: 73393
Ion Ratio Lower Upper
164 100
166 114.5 105.2 157.8
129 100.6 90.3 135.5
131 87.8 86.7 130.1





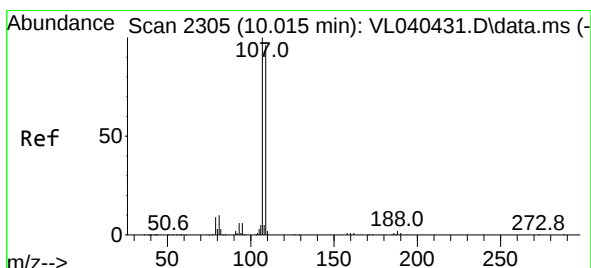
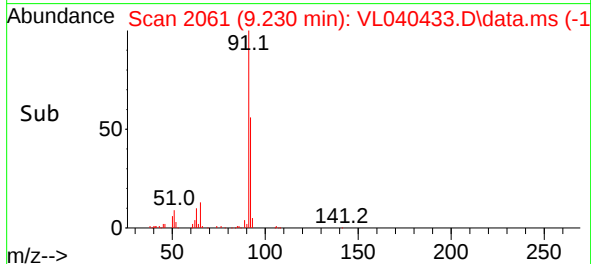
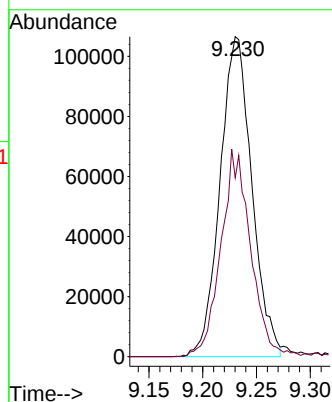
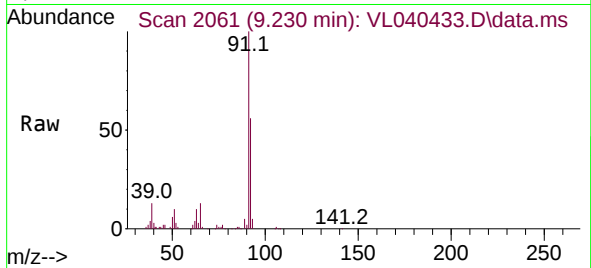
#53
Toluene
Concen: 0.929 ppbv
RT: 9.230 min Scan# 2059
Delta R.T. 0.003 min
Lab File: VL040433.D
Acq: 16 May 2023 10:54

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tgt Ion: 91 Resp: 21926
Ion Ratio Lower Upper
91 100
92 61.2 48.9 73.3

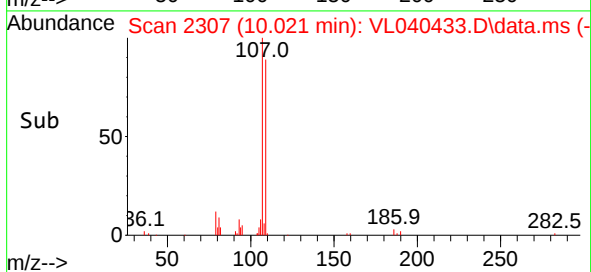
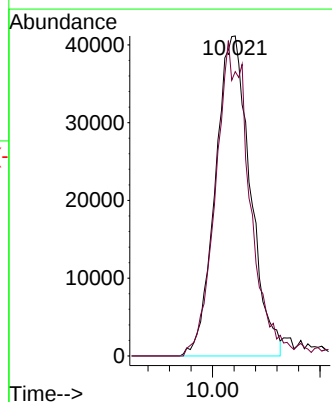
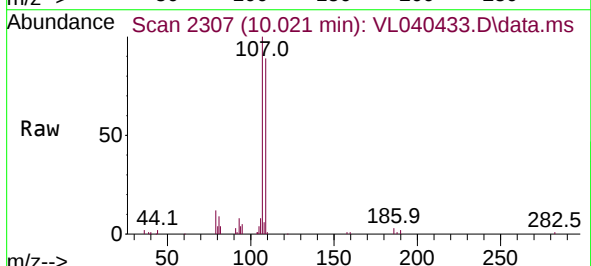
Manual Integrations
APPROVED

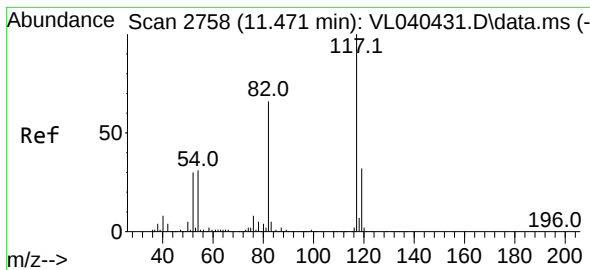
Reviewed By :Semsettin Yesilyurt 05/17/2023
Supervised By :Mahesh Dadoda 05/17/2023



#54
1,2-Dibromoethane
Concen: 0.952 ppbv
RT: 10.021 min Scan# 2307
Delta R.T. 0.006 min
Lab File: VL040433.D
Acq: 16 May 2023 10:54

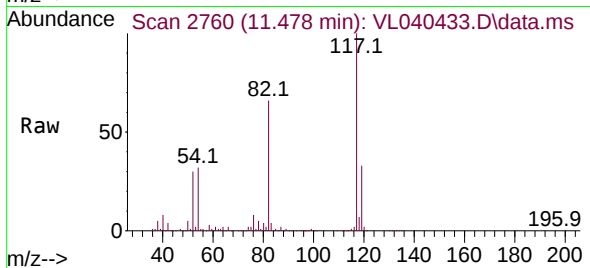
Tgt Ion:107 Resp: 92718
Ion Ratio Lower Upper
107 100
109 88.8 73.6 110.4





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.478 min Scan# 2758
Delta R.T. 0.004 min
Lab File: VL040433.D
Acq: 16 May 2023 10:54

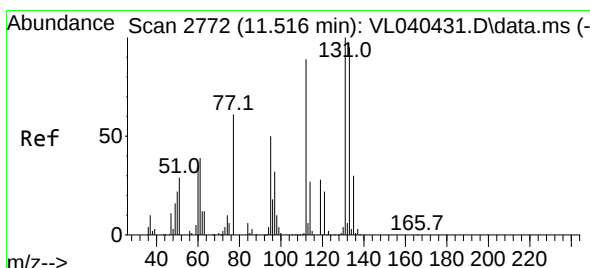
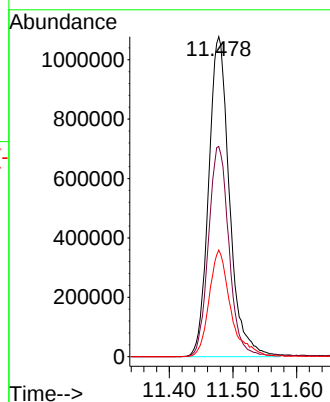
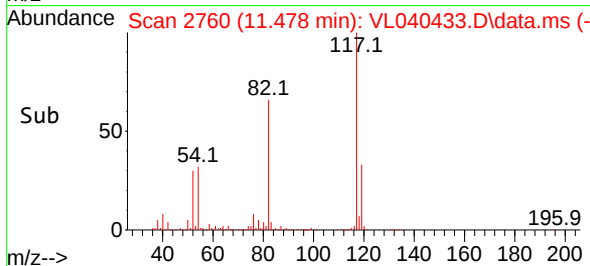
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001



Tgt Ion:117 Resp: 2448894
Ion Ratio Lower Upper
117 100
82 65.5 52.5 78.7
119 34.4 24.3 36.5

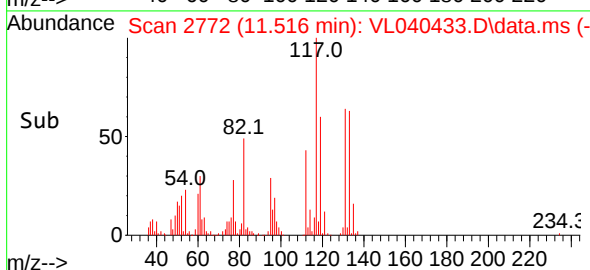
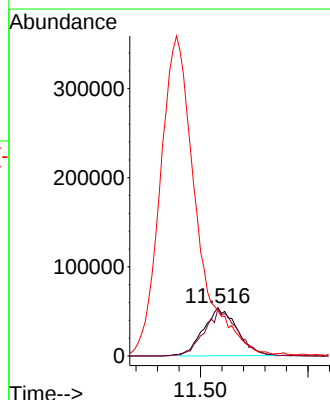
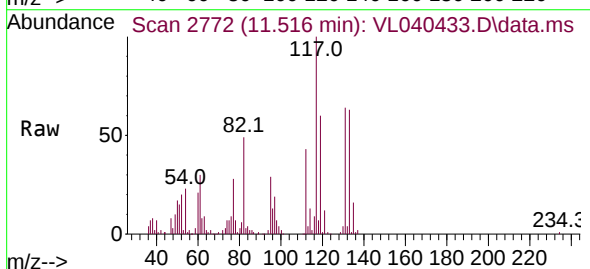
Manual Integrations
APPROVED

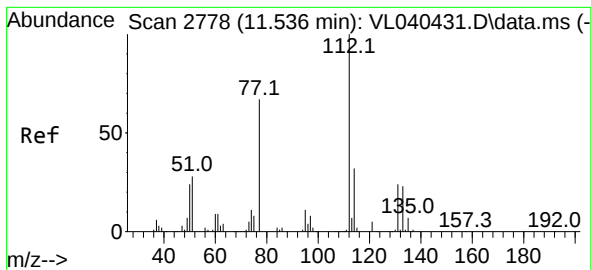
Reviewed By :Semsettin Yesilyurt 05/17/2023
Supervised By :Mahesh Dadoda 05/17/2023



#56
1,1,1,2-Tetrachloroethane
Concen: 1.031 ppbv
RT: 11.516 min Scan# 2772
Delta R.T. 0.000 min
Lab File: VL040433.D
Acq: 16 May 2023 10:54

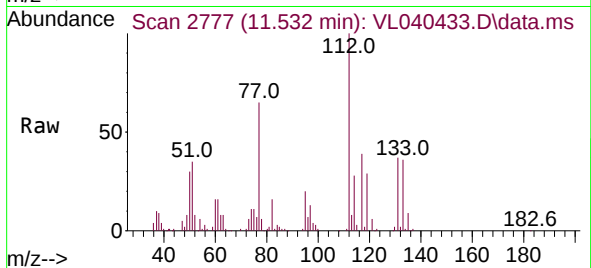
Tgt Ion:131 Resp: 115214
Ion Ratio Lower Upper
131 100
133 97.0 75.3 112.9
119 731.5 53.9 80.9#





#57
Chlorobenzene
Concen: 1.075 ppbv
RT: 11.532 min Scan# 211
Delta R.T. -0.004 min
Lab File: VL040433.D
Acq: 16 May 2023 10:54

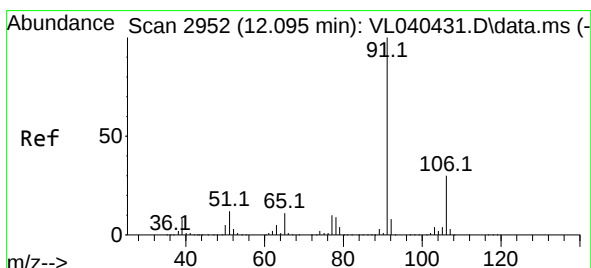
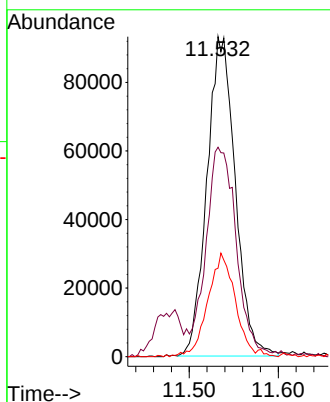
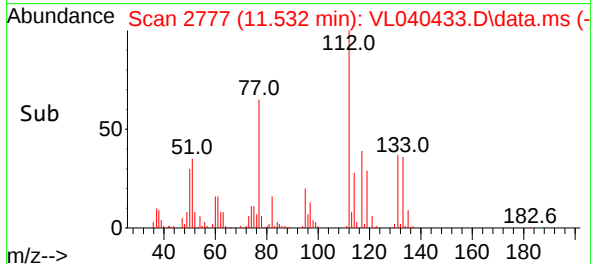
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001



Tgt Ion: 112 Resp: 206134
Ion Ratio Lower Upper
112 100
77 64.5 55.8 83.8
114 27.7 29.1 35.5

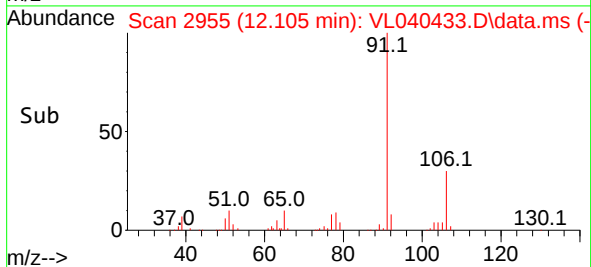
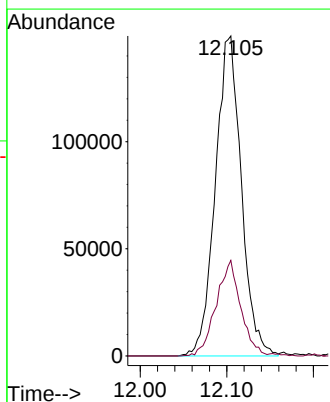
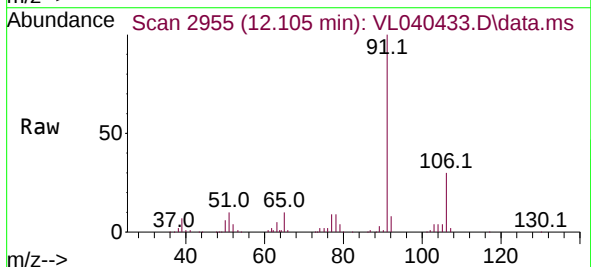
Manual Integrations
APPROVED

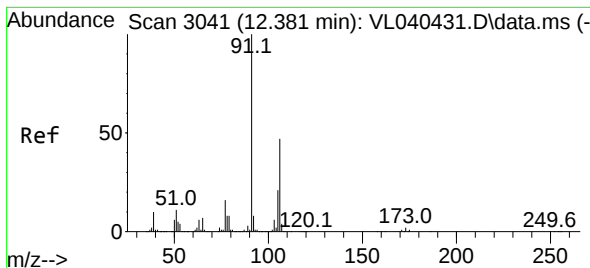
Reviewed By :Semsettin Yesilyurt 05/17/2023
Supervised By :Mahesh Dadoda 05/17/2023



#58
Ethyl Benzene
Concen: 1.032 ppbv
RT: 12.105 min Scan# 2955
Delta R.T. 0.007 min
Lab File: VL040433.D
Acq: 16 May 2023 10:54

Tgt Ion: 91 Resp: 311000
Ion Ratio Lower Upper
91 100
106 29.9 23.5 35.3





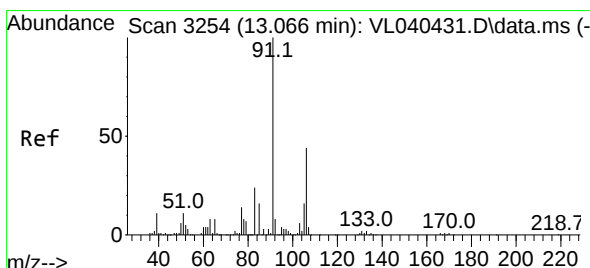
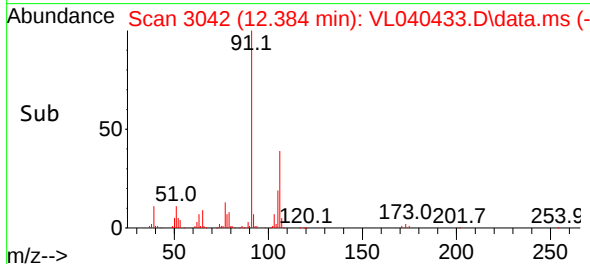
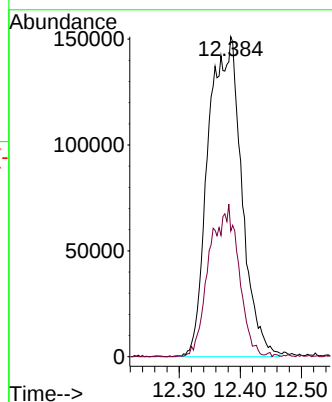
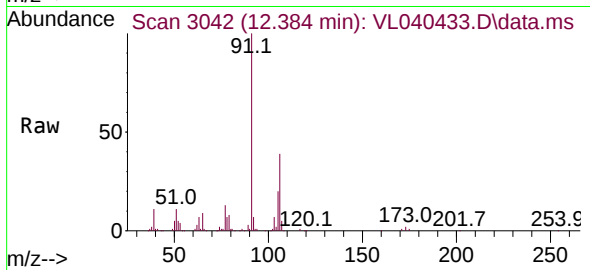
#59
m/p-Xylene
Concen: 2.066 ppbv m
RT: 12.384 min Scan# 3041
Delta R.T. 0.003 min
Lab File: VL040433.D
Acq: 16 May 2023 10:54

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tgt Ion: 91 Resp: 57239
Ion Ratio Lower Upper
91 100
106 42.5 34.7 52.1

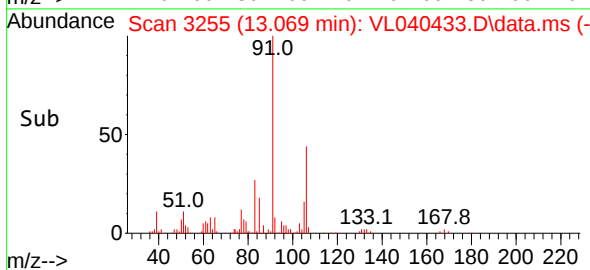
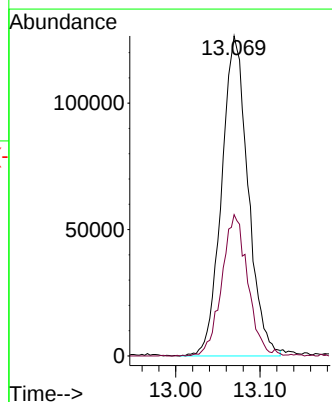
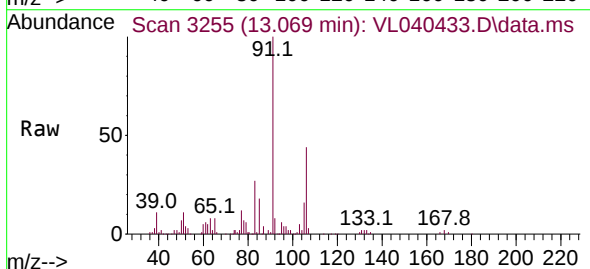
Manual Integrations
APPROVED

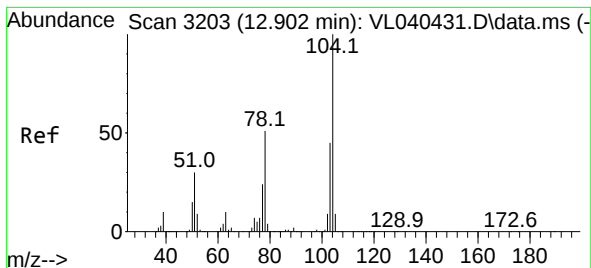
Reviewed By :Semsettin Yesilyurt 05/17/2023
Supervised By :Mahesh Dadoda 05/17/2023



#60
o-Xylene
Concen: 1.036 ppbv
RT: 13.069 min Scan# 3255
Delta R.T. 0.003 min
Lab File: VL040433.D
Acq: 16 May 2023 10:54

Tgt Ion: 91 Resp: 275423
Ion Ratio Lower Upper
91 100
106 43.8 21.9 65.8





#61

Styrene

Concen: 0.905 ppbv

RT: 12.912 min Scan# 31

Delta R.T. 0.007 min

Lab File: VL040433.D

Acq: 16 May 2023 10:54

Instrument :

MSVOA_L

ClientSampleId :

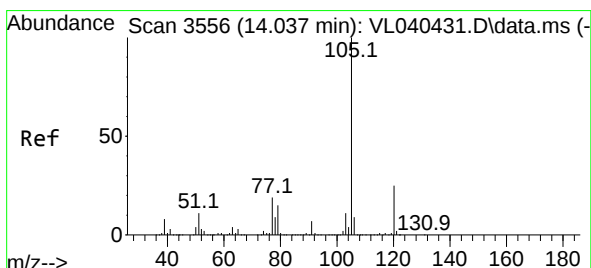
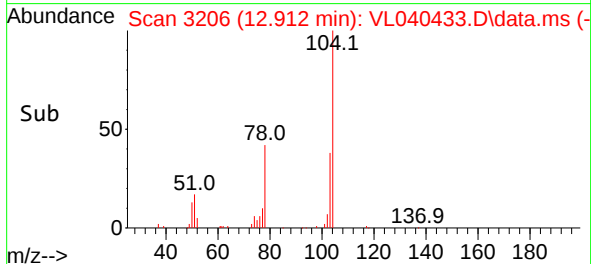
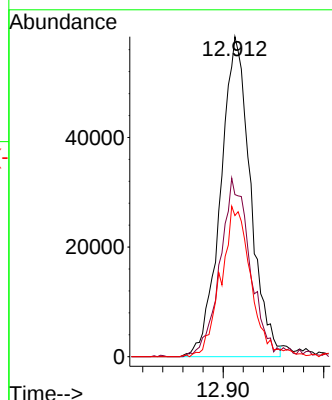
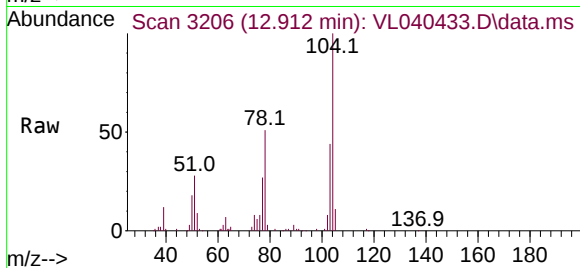
VSTDICC001

Tgt Ion:104 Resp: 120500
 Ion Ratio Lower Upper
 104 100
 78 57.5 43.4 65.0
 103 47.8 37.0 55.4

Manual Integrations

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



#62

Isopropylbenzene

Concen: 1.067 ppbv

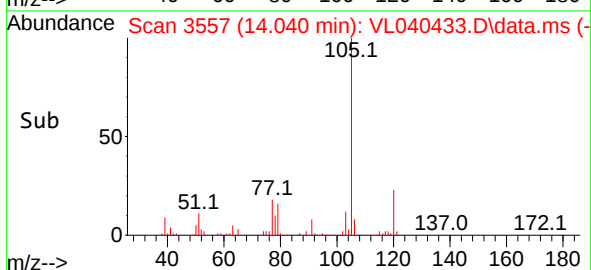
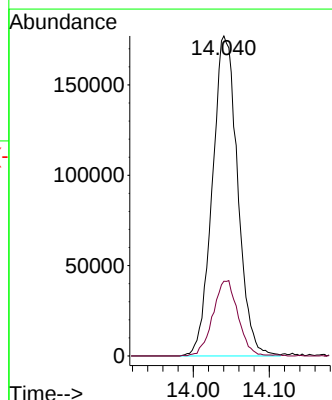
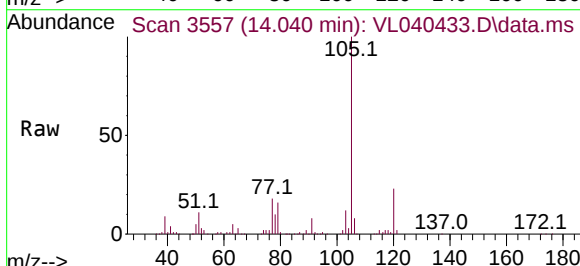
RT: 14.040 min Scan# 3557

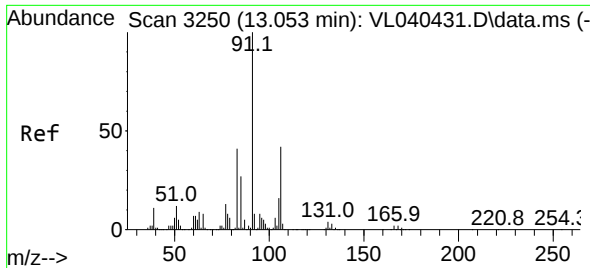
Delta R.T. 0.000 min

Lab File: VL040433.D

Acq: 16 May 2023 10:54

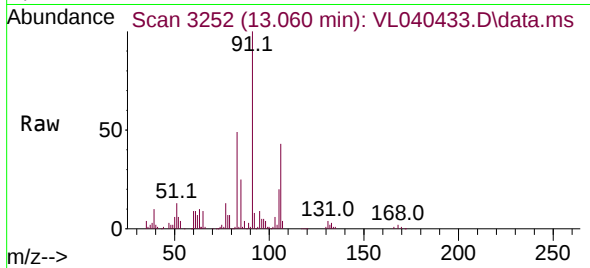
Tgt Ion:105 Resp: 408617
 Ion Ratio Lower Upper
 105 100
 120 23.6 19.9 29.9





#63
1,1,2,2-Tetrachloroethane
Concen: 1.017 ppbv
RT: 13.060 min Scan# 31
Delta R.T. 0.004 min
Lab File: VL040433.D
Acq: 16 May 2023 10:54

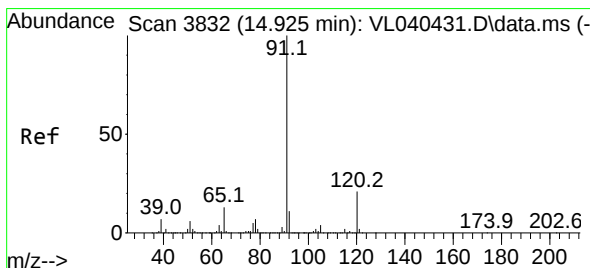
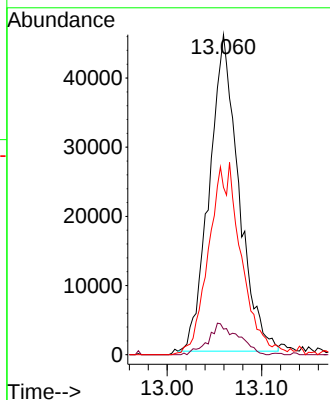
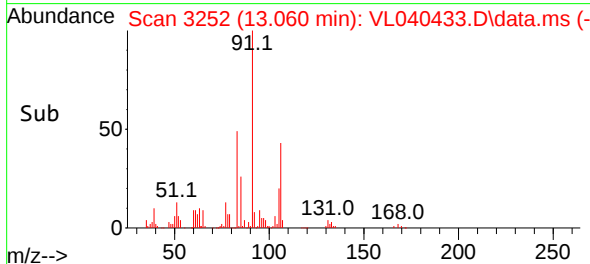
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001



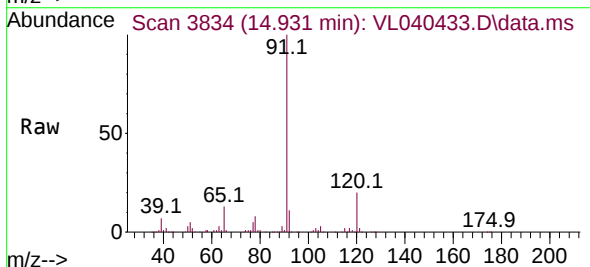
Tgt Ion: 83 Resp: 9899
Ion Ratio Lower Upper
83 100
131 10.3 4.3 13.1
85 67.8 32.9 98.6

Manual Integrations
APPROVED

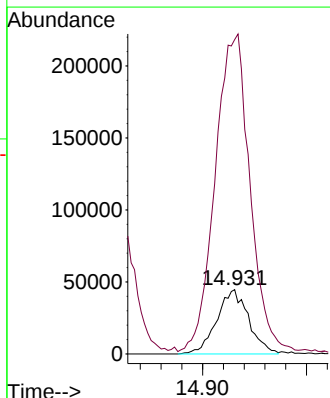
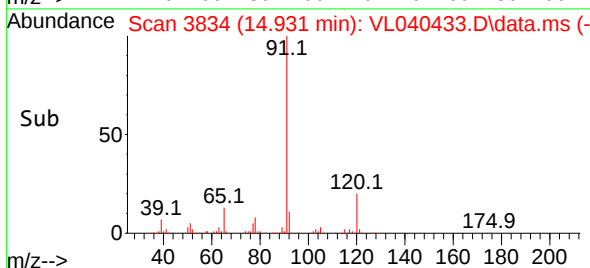
Reviewed By :Semsettin Yesilyurt 05/17/2023
Supervised By :Mahesh Dadoda 05/17/2023

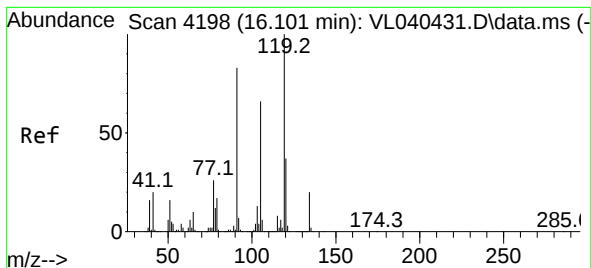


#64
n-propylbenzene
Concen: 1.009 ppbv
RT: 14.931 min Scan# 3834
Delta R.T. 0.003 min
Lab File: VL040433.D
Acq: 16 May 2023 10:54



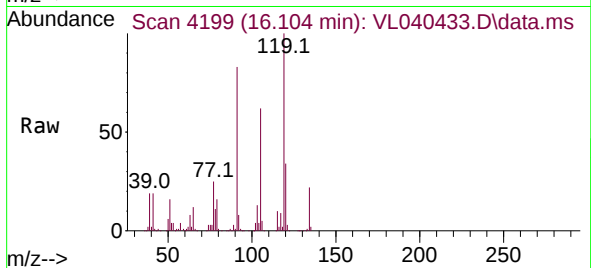
Tgt Ion:120 Resp: 95089
Ion Ratio Lower Upper
120 100
91 545.0 397.4 596.0





#65
tert-Butylbenzene
Concen: 1.057 ppbv
RT: 16.104 min Scan# 4199
Delta R.T. 0.003 min
Lab File: VL040433.D
Acq: 16 May 2023 10:54

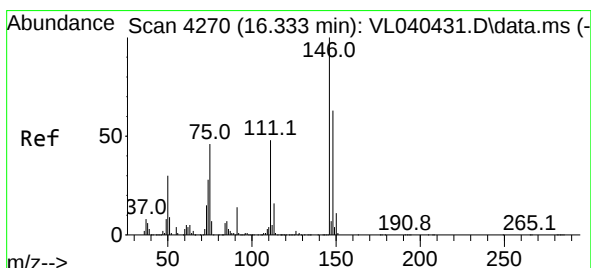
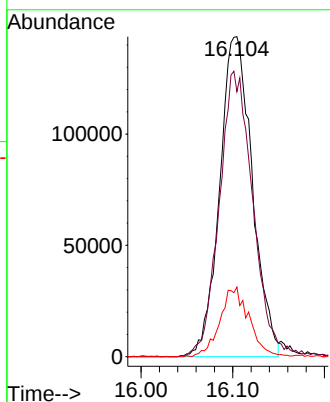
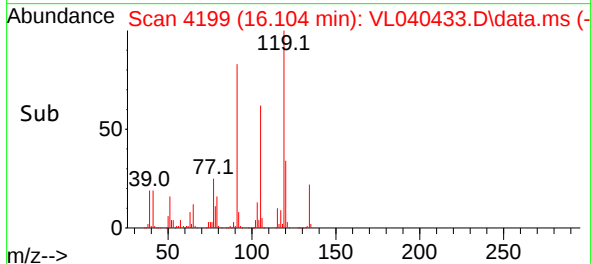
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001



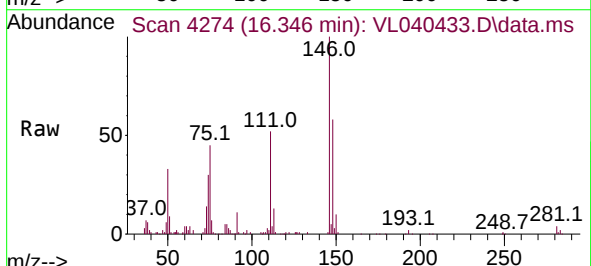
Tgt Ion: 119 Resp: 35609
Ion Ratio Lower Upper
119 100
91 92.5 70.1 105.1
134 19.6 15.6 23.4

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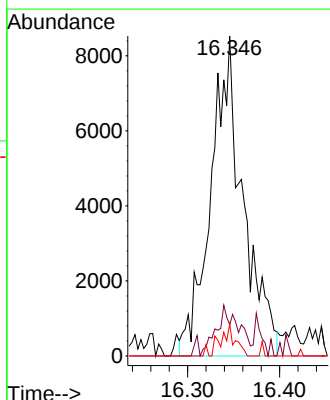
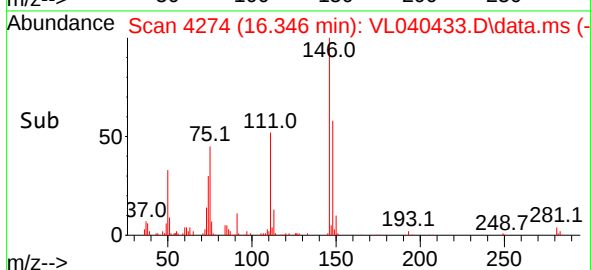
Reviewed By :Semsettin Yesilyurt 05/17/2023
Supervised By :Mahesh Dadoda 05/17/2023

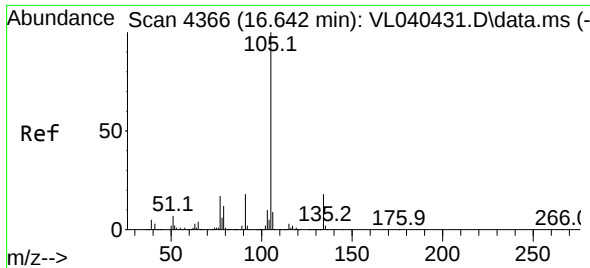


#66
Benzyl Chloride
Concen: 0.997 ppbv m
RT: 16.346 min Scan# 4274
Delta R.T. 0.007 min
Lab File: VL040433.D
Acq: 16 May 2023 10:54



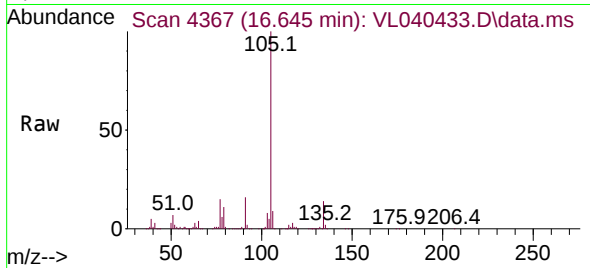
Tgt Ion: 91 Resp: 20800
Ion Ratio Lower Upper
91 100
126 11.4 12.3 18.5#
128 4.5 4.1 6.1





#67
 sec-Butylbenzene
 Concen: 1.074 ppbv
 RT: 16.645 min Scan# 41
 Delta R.T. -0.003 min
 Lab File: VL040433.D
 Acq: 16 May 2023 10:54

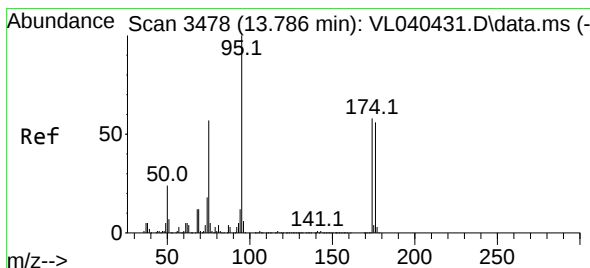
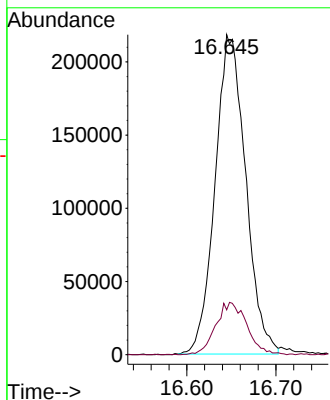
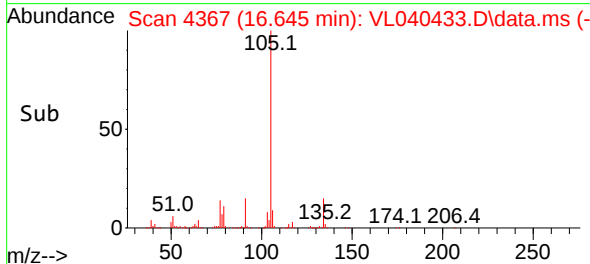
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001



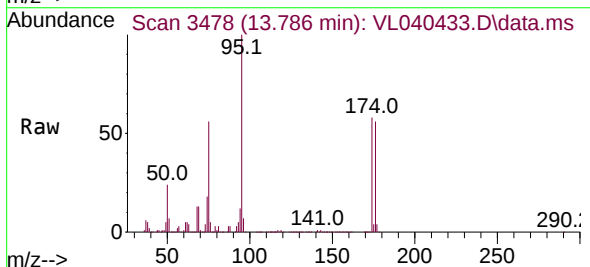
Tgt Ion:105 Resp: 51982
 Ion Ratio Lower Upper
 105 100
 134 16.7 13.8 20.6

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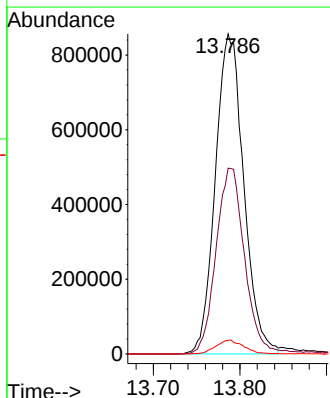
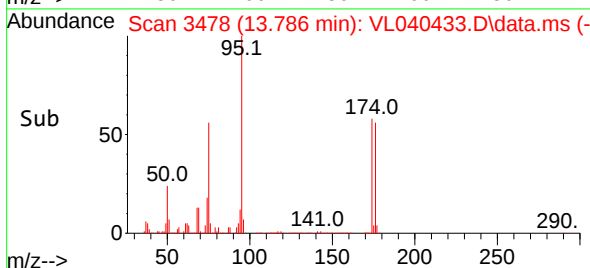
Reviewed By :Semsettin Yesilyurt 05/17/2023
 Supervised By :Mahesh Dadoda 05/17/2023

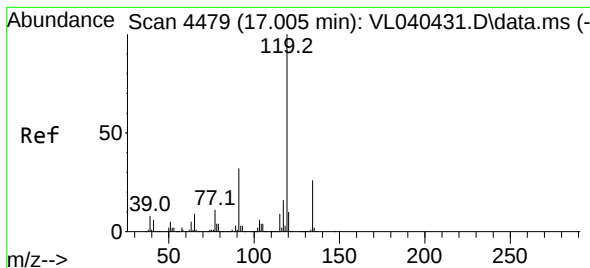


#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.642 ppbv
 RT: 13.786 min Scan# 3478
 Delta R.T. 0.000 min
 Lab File: VL040433.D
 Acq: 16 May 2023 10:54



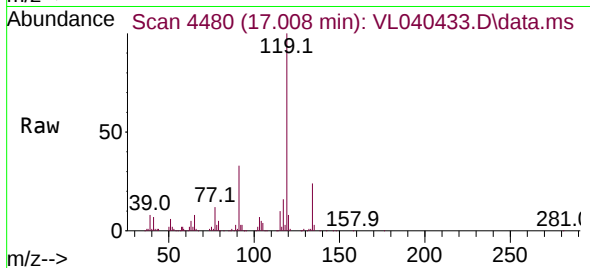
Tgt Ion: 95 Resp: 1952598
 Ion Ratio Lower Upper
 95 100
 174 59.1 47.2 70.8
 175 4.3 3.5 5.3





#69
p-Isopropyltoluene
Concen: 1.064 ppbv
RT: 17.008 min Scan# 4479
Delta R.T. -0.000 min
Lab File: VL040433.D
Acq: 16 May 2023 10:54

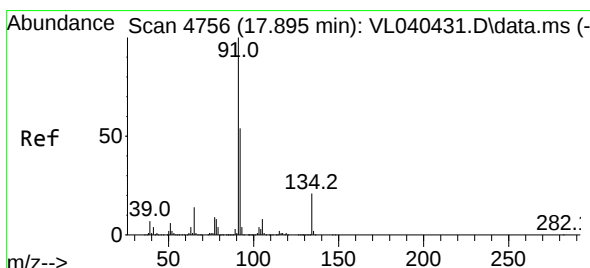
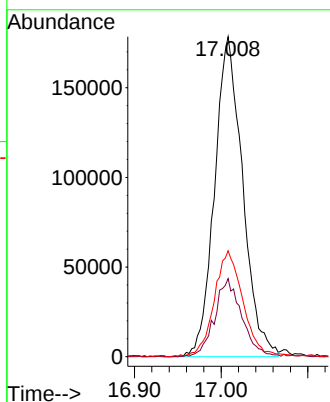
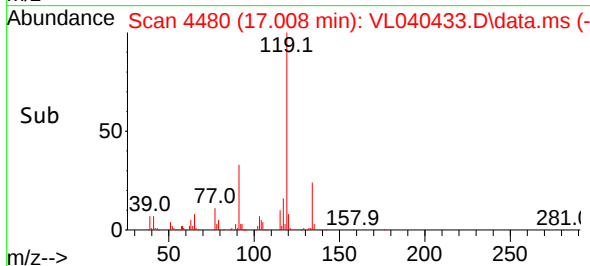
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001



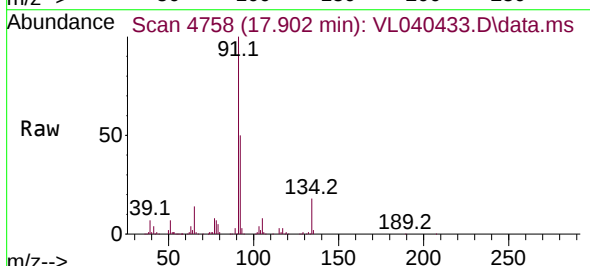
Tgt Ion: 119 Resp: 401852
Ion Ratio Lower Upper
119 100
134 23.8 20.2 30.4
91 34.4 25.7 38.5

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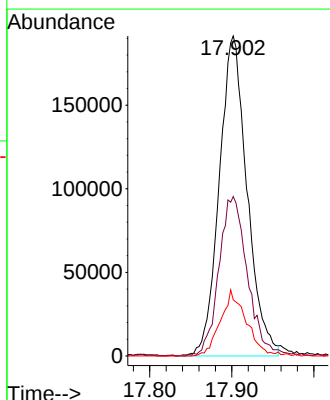
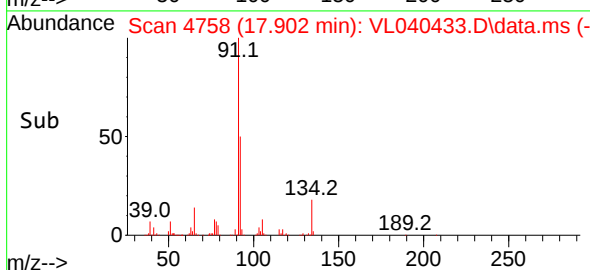
Reviewed By :Semsettin Yesilyurt 05/17/2023
Supervised By :Mahesh Dadoda 05/17/2023

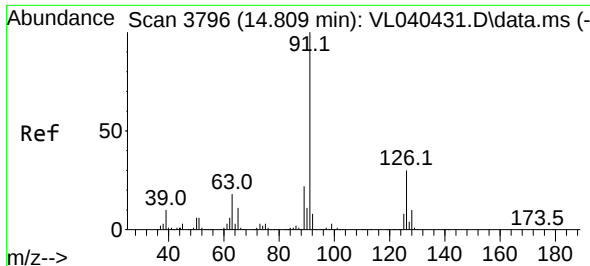


#70
n-Butylbenzene
Concen: 1.076 ppbv
RT: 17.902 min Scan# 4758
Delta R.T. 0.003 min
Lab File: VL040433.D
Acq: 16 May 2023 10:54



Tgt Ion: 91 Resp: 450839
Ion Ratio Lower Upper
91 100
92 51.8 43.0 64.4
134 19.3 16.6 25.0





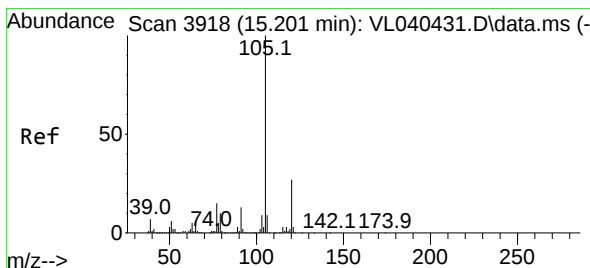
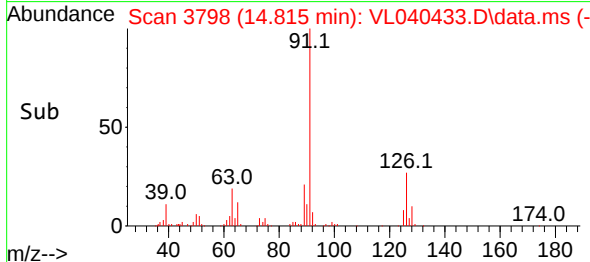
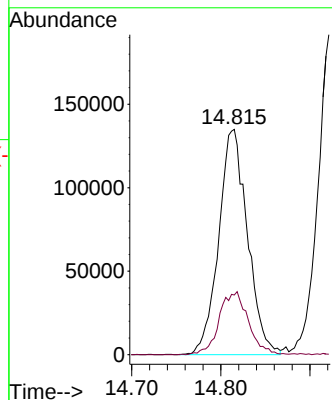
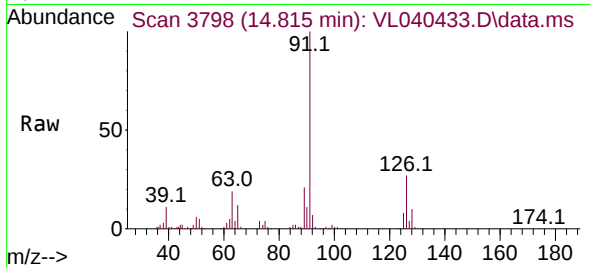
#71
2-Chlorotoluene
Concen: 1.031 ppbv
RT: 14.815 min Scan# 3796
Delta R.T. 0.003 min
Lab File: VL040433.D
Acq: 16 May 2023 10:54

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 91 Resp: 303062
Ion Ratio Lower Upper
91 100
126 28.5 11.8 47.4

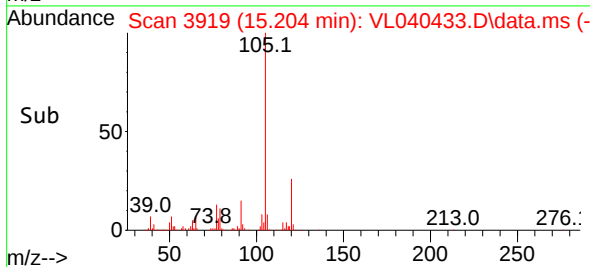
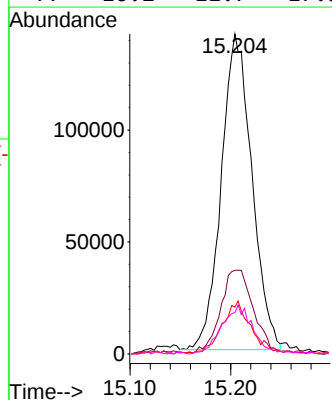
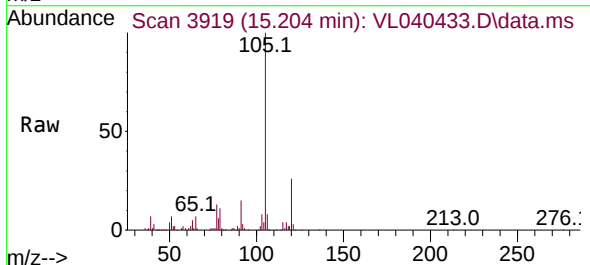
Manual Integrations
APPROVED

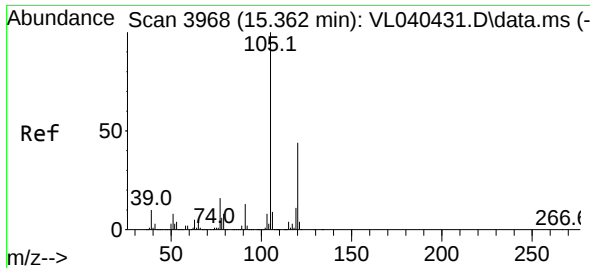
Reviewed By :Semsettin Yesilyurt 05/17/2023
Supervised By :Mahesh Dadoda 05/17/2023



#72
4-Ethyltoluene
Concen: 1.016 ppbv
RT: 15.204 min Scan# 3919
Delta R.T. 0.000 min
Lab File: VL040433.D
Acq: 16 May 2023 10:54

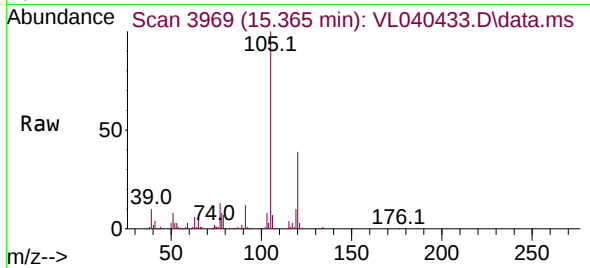
Tgt Ion:105 Resp: 298244
Ion Ratio Lower Upper
105 100
120 29.2 23.0 34.6
91 16.7 11.3 16.9
77 16.2 11.7 17.5





#73
1,3,5-Trimethylbenzene
Concen: 1.033 ppbv
RT: 15.365 min Scan# 3969
Delta R.T. 0.003 min
Lab File: VL040433.D
Acq: 16 May 2023 10:54

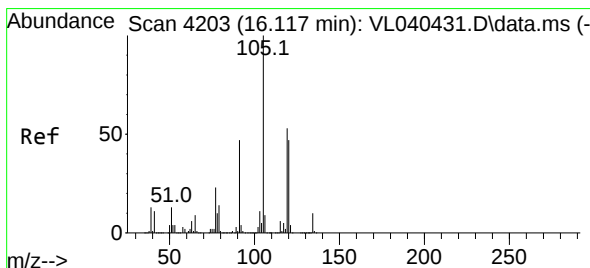
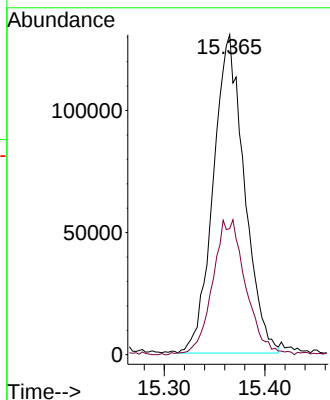
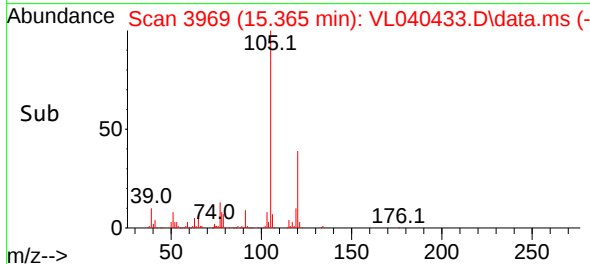
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001



Tgt Ion:105 Resp: 28018
Ion Ratio Lower Upper
105 100
120 39.1 36.9 55.3

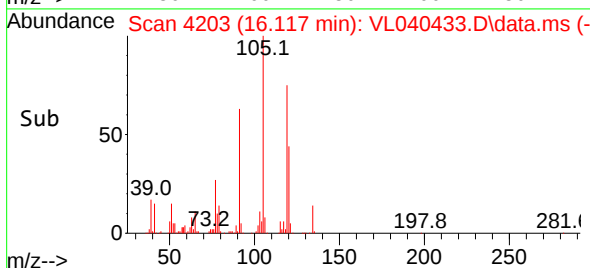
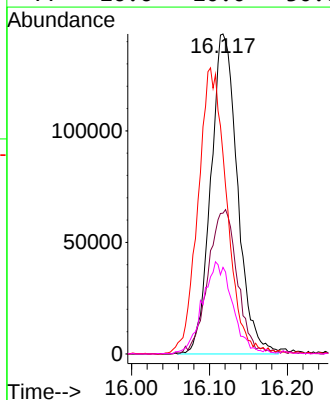
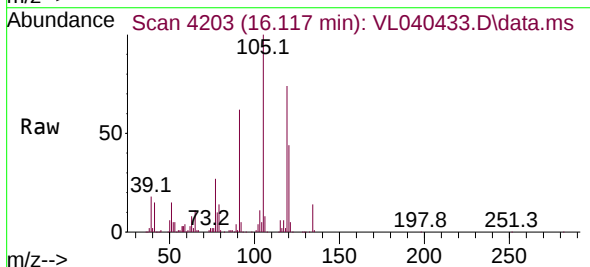
Manual Integrations
APPROVED

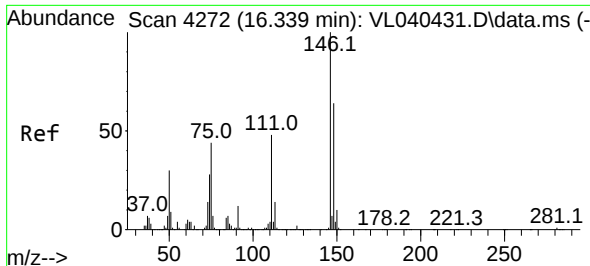
Reviewed By :Semsettin Yesilyurt 05/17/2023
Supervised By :Mahesh Dadoda 05/17/2023



#74
1,2,4-Trimethylbenzene
Concen: 1.102 ppbv
RT: 16.117 min Scan# 4203
Delta R.T. 0.000 min
Lab File: VL040433.D
Acq: 16 May 2023 10:54

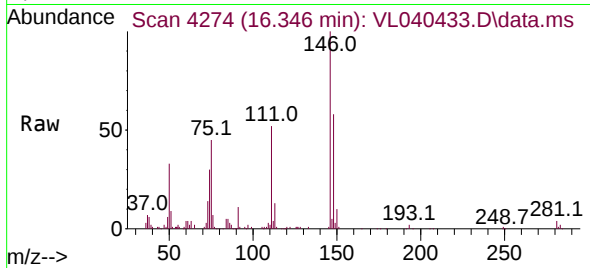
Tgt Ion:105 Resp: 341599
Ion Ratio Lower Upper
105 100
120 43.7 38.9 58.3
91 61.3 46.0 69.0
77 26.6 20.0 30.0





#75
1,3-Dichlorobenzene
Concen: 1.075 ppbv
RT: 16.346 min Scan# 41
Delta R.T. 0.004 min
Lab File: VL040433.D
Acq: 16 May 2023 10:54

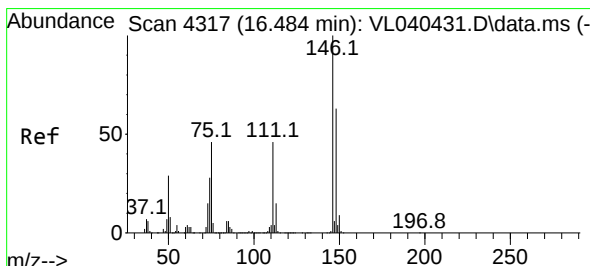
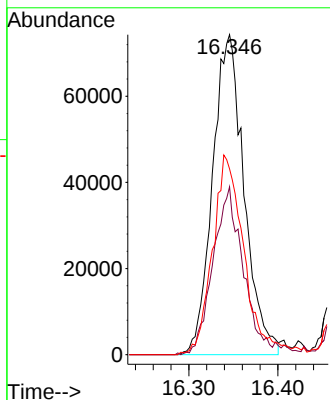
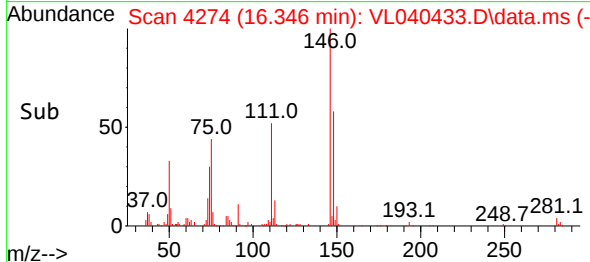
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001



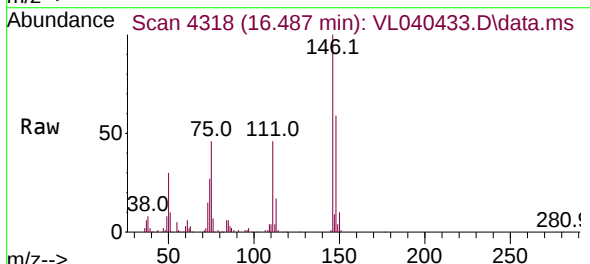
Tgt Ion:146 Resp: 18248
Ion Ratio Lower Upper
146 100
111 51.4 24.6 74.0
148 62.6 32.1 96.3

Manual Integrations
APPROVED

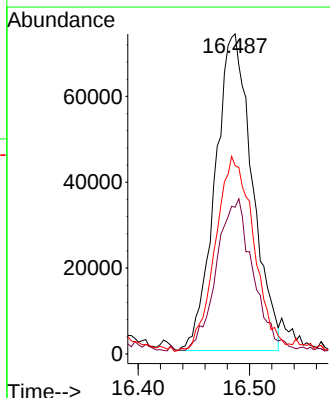
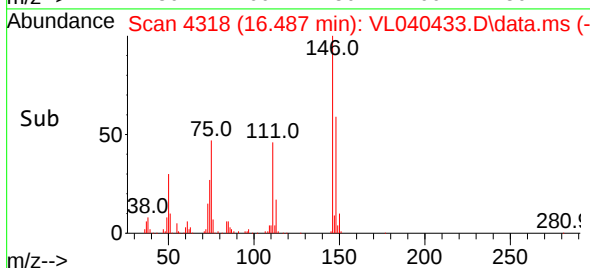
Reviewed By :Semsettin Yesilyurt 05/17/2023
Supervised By :Mahesh Dadoda 05/17/2023

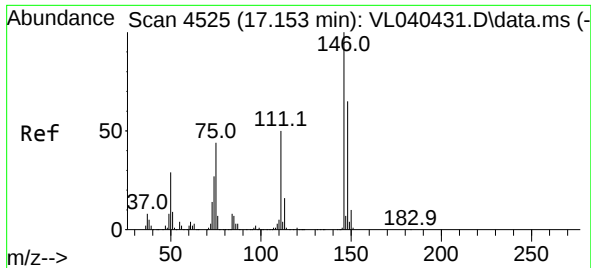


#76
1,4-Dichlorobenzene
Concen: 1.022 ppbv
RT: 16.487 min Scan# 4318
Delta R.T. 0.003 min
Lab File: VL040433.D
Acq: 16 May 2023 10:54



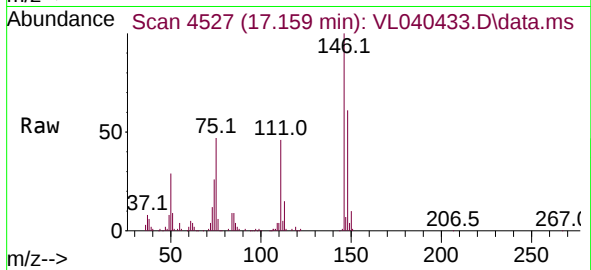
Tgt Ion:146 Resp: 171355
Ion Ratio Lower Upper
146 100
111 52.2 23.8 71.4
148 69.2 32.4 97.2





#77
1,2-Dichlorobenzene
Concen: 1.051 ppbv
RT: 17.159 min Scan# 4525
Delta R.T. 0.003 min
Lab File: VL040433.D
Acq: 16 May 2023 10:54

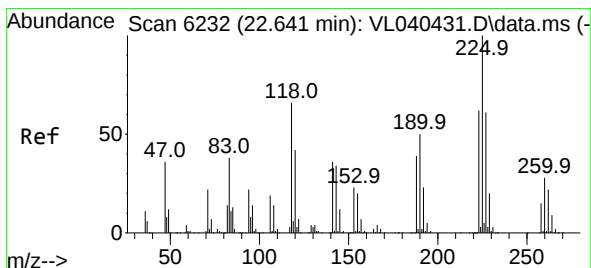
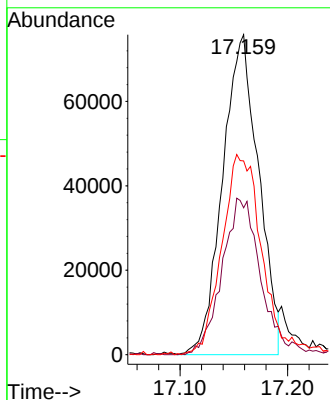
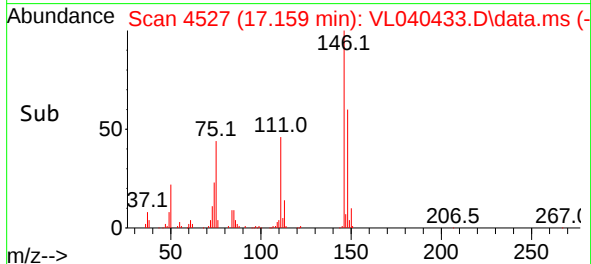
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001



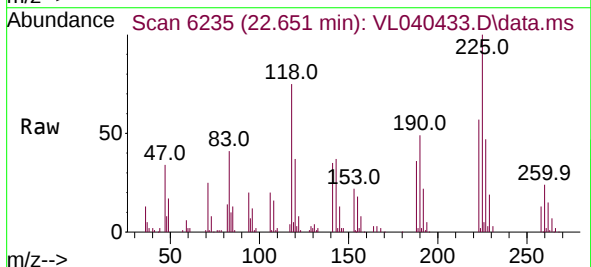
Tgt Ion:146 Resp: 176452
Ion Ratio Lower Upper
146 100
111 52.6 25.4 76.0
148 70.7 32.0 96.2

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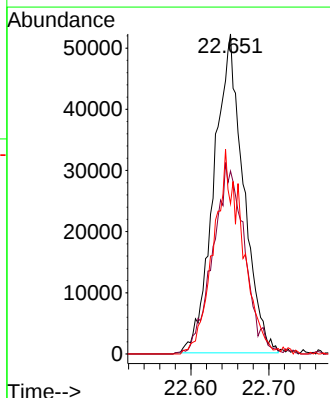
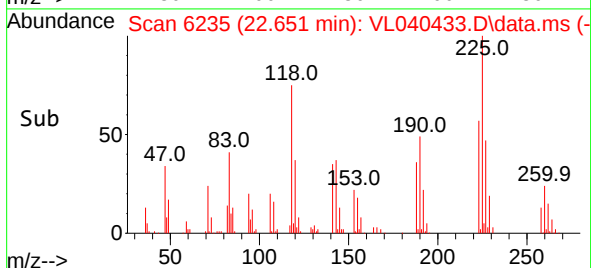
Reviewed By :Semsettin Yesilyurt 05/17/2023
Supervised By :Mahesh Dadoda 05/17/2023

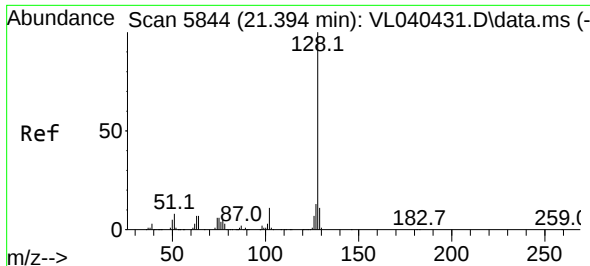


#78
Hexachloro-1,3-Butadiene
Concen: 1.020 ppbv
RT: 22.651 min Scan# 6235
Delta R.T. 0.003 min
Lab File: VL040433.D
Acq: 16 May 2023 10:54



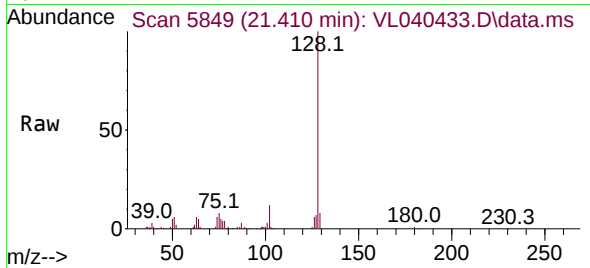
Tgt Ion:225 Resp: 137187
Ion Ratio Lower Upper
225 100
223 64.7 50.7 76.1
227 62.9 51.0 76.4





#79
Naphthalene
Concen: 0.927 ppbv m
RT: 21.410 min Scan# 5849
Delta R.T. 0.016 min
Lab File: VL040433.D
Acq: 16 May 2023 10:54

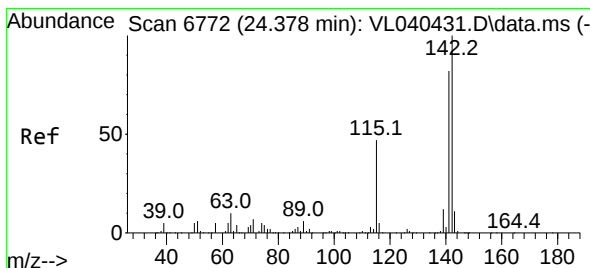
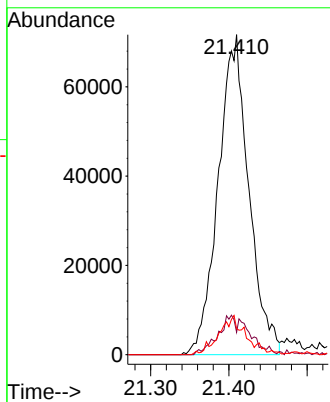
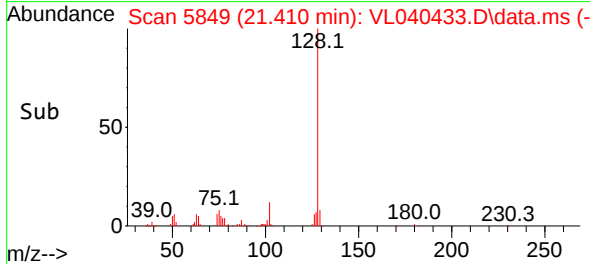
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001



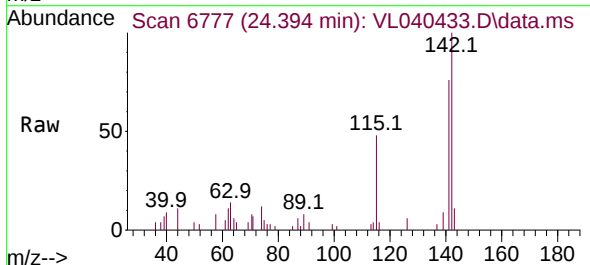
Tgt Ion:128 Resp: 193972
Ion Ratio Lower Upper
128 100
127 7.0 10.0 15.0
129 8.1 9.4 14.0

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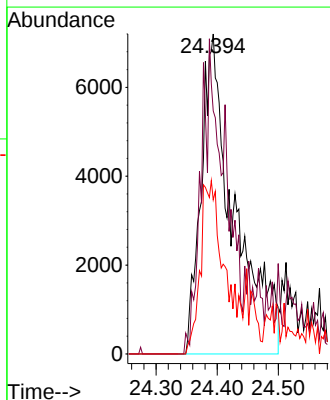
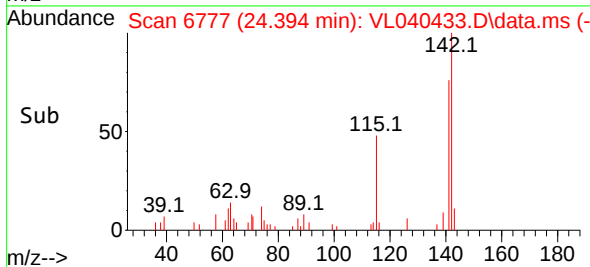
Reviewed By :Semsettin Yesilyurt 05/17/2023
Supervised By :Mahesh Dadoda 05/17/2023

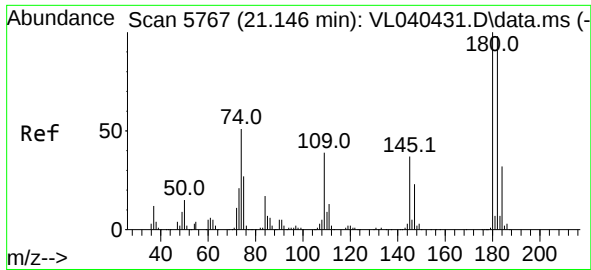


#80
Naphthalene,2-methyl-
Concen: 0.438 ppbv
RT: 24.394 min Scan# 6777
Delta R.T. 0.010 min
Lab File: VL040433.D
Acq: 16 May 2023 10:54



Tgt Ion:142 Resp: 27272
Ion Ratio Lower Upper
142 100
141 71.4 65.1 97.7
115 41.8 36.5 54.7





#81

1,2,4-Trichlorobenzene

Concen: 0.889 ppbv m

RT: 21.159 min Scan# 51

Delta R.T. 0.003 min

Lab File: VL040433.D

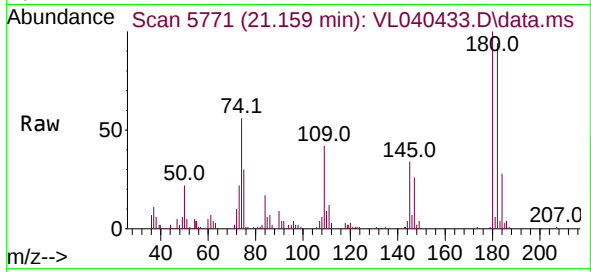
Acq: 16 May 2023 10:54

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001



Tgt Ion:180 Resp: 114320

Ion Ratio Lower Upper

180 100

182 99.6 77.7 116.5

184 30.0 24.2 36.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 05/17/2023

Supervised By :Mahesh Dadoda 05/17/2023

