

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL012424\
 Data File : VL041016.D
 Acq On : 24 Jan 2024 15:08
 Operator : SY/MD
 Sample : P1187-13 LOD 0.40
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT1-2024

Quant Time: Jan 25 03:19:29 2024

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL012324AIR.M

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

QLast Update : Thu Jan 25 03:13:06 2024

Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 01/25/2024
 Supervised By :Semsettin Yesilyurt 01/25/2024

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

Internal Standards						
1) Bromochloromethane	5.160	49	1051080	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.623	114	2621081	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.436	117	2292135	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.741 95 1764991 10.195 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 101.900%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.703	85	101472	0.437	ppbv	90
3) Chlorodifluoromethane	2.649	51	76588	0.433	ppbv	99
4) Chloromethane	2.787	50	27189	0.410	ppbv	88
5) Vinyl Chloride	2.893	62	26198	0.403	ppbv #	81
6) Bromomethane	3.092	94	10172	0.360	ppbv	99
7) Chloroethane	3.169	64	8937	0.382	ppbv	95
8) Dichlorotetrafluoroethane	2.829	85	73134	0.422	ppbv	96
9) Propene	2.668	41	24252	0.418	ppbv	99
10) Heptane	7.545	43	47242	0.331	ppbv	95
11) Trichlorofluoromethane	3.536	101	75335	0.403	ppbv	93
12) 1,1,2-Trichlorotrifluo...	4.038	101	57781	0.426	ppbv	98
13) Ethanol	3.234	45	6109	0.442	ppbv	98
14) Bromoethene	3.337	108	19354	0.372	ppbv #	80
15) Acetone	3.456	43	66771	0.497	ppbv	98
16) 1,3-Butadiene	2.957	39	23639	0.368	ppbv	95
17) tert-Butyl alcohol	3.870	59	43404	0.394	ppbv #	94
18) 1,1-Dichloroethene	3.851	96	22985	0.396	ppbv	91
19) Isopropyl Alcohol	3.568	45	30549	0.393	ppbv #	89
20) Methylene Chloride	3.909	84	25731m	0.497	ppbv	
21) Allyl Chloride	3.967	41	29523	0.362	ppbv	88
22) trans-1,2-Dichloroethene	4.417	96	21222	0.355	ppbv	85
23) Vinyl Acetate	4.603	43	44728	0.323	ppbv #	94
24) 1,1-Dichloroethane	4.530	63	49319	0.401	ppbv	98
25) Ethyl Acetate	5.189	43	87939	0.361	ppbv	96
26) Hexane	5.179	57	34173m	0.329	ppbv	
27) Carbon Disulfide	4.092	76	45967m	0.340	ppbv	
28) Methyl tert-Butyl Ether	4.568	73	32637m	0.379	ppbv	
29) Chloroform	5.243	83	78339	0.425	ppbv	95
30) Cyclohexane	6.571	84	25441	0.292	ppbv #	86
31) cis-1,2-Dichloroethene	5.050	61	38411	0.394	ppbv	93
32) 1,1,1-Trichloroethane	5.973	97	68209	0.387	ppbv	96
34) 2-Butanone	4.771	43	50624	0.405	ppbv	96
35) Carbon Tetrachloride	6.459	117	69009	0.395	ppbv	86
36) Benzene	6.340	78	83092	0.384	ppbv	95
37) 1,2-Dichloroethane	5.777	62	54281	0.411	ppbv #	95
38) Trichloroethene	7.253	130	30760m	0.354	ppbv	
39) 1,2-Dichloropropane	7.044	63	34136m	0.400	ppbv	
40) 1,4-Dioxane	7.288	88	13154m	0.371	ppbv	
41) Tetrahydrofuran	5.552	42	26366	0.311	ppbv	96
42) Bromodichloromethane	7.218	83	75306m	0.398	ppbv	
43) Methyl Methacrylate	7.452	69	23028	0.276	ppbv #	72
44) 2,2,4-Trimethylpentane	7.295	57	136260m	0.374	ppbv	
45) t-1,3-Dichloropropene	8.677	75	16927m	0.297	ppbv	

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 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL012324AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2
 QLast Update : Thu Jan 25 03:13:06 2024
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 01/25/2024
 Supervised By :Semsettin Yesilyurt 01/25/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.115	75	20190	0.284	ppbv #	76
47) 1,1,2-Trichloroethane	8.867	97	32745	0.356	ppbv	95
48) Dibromochloromethane	9.677	129	51418	0.331	ppbv	94
49) Bromoform	12.368	173	39735m	0.326	ppbv	
50) 4-Methyl-2-Pentanone	8.172	43	71517m	0.325	ppbv	
51) 2-Hexanone	9.545	43	42442m	0.268	ppbv	
52) Tetrachloroethene	10.584	164	28533m	0.397	ppbv	
53) Toluene	9.188	91	73493	0.310	ppbv	99
54) 1,2-Dibromoethane	9.976	107	46122m	0.371	ppbv	
56) 1,1,1,2-Tetrachloroethane	11.475	131	45590m	0.415	ppbv	
57) Chlorobenzene	11.494	112	77624m	0.421	ppbv	
58) Ethyl Benzene	12.057	91	104378	0.339	ppbv	99
59) m/p-Xylene	12.336	91	192480m	0.717	ppbv	
60) o-Xylene	13.024	91	92057	0.358	ppbv	96
61) Styrene	12.873	104	32922m	0.278	ppbv	
62) Isopropylbenzene	13.999	105	145438	0.382	ppbv	96
63) 1,1,2,2-Tetrachloroethane	13.015	83	83838	0.419	ppbv	99
64) n-propylbenzene	14.883	120	34725m	0.361	ppbv	
65) tert-Butylbenzene	16.060	119	118414	0.356	ppbv	91
66) Benzyl Chloride	16.294	91	7746m	0.355	ppbv	
67) sec-Butylbenzene	16.603	105	170040	0.351	ppbv	100
69) p-Isopropyltoluene	16.966	119	124356	0.331	ppbv	94
70) n-Butylbenzene	17.854	91	133788m	0.330	ppbv	
71) 2-Chlorotoluene	14.773	91	106256m	0.362	ppbv	
72) 4-Ethyltoluene	15.159	105	92811	0.323	ppbv #	95
73) 1,3,5-Trimethylbenzene	15.314	105	85656m	0.336	ppbv	
74) 1,2,4-Trimethylbenzene	16.076	105	102085	0.353	ppbv #	87
75) 1,3-Dichlorobenzene	16.301	146	59956m	0.364	ppbv	
76) 1,4-Dichlorobenzene	16.445	146	61220m	0.377	ppbv	
77) 1,2-Dichlorobenzene	17.108	146	61324m	0.375	ppbv	
78) Hexachloro-1,3-Butadiene	22.596	225	41162m	0.390	ppbv	
79) Naphthalene	21.358	128	34827m	0.211	ppbv	
80) Naphthalene,2-methyl-	24.432	142	4472m	0.154	ppbv	
81) 1,2,4-Trichlorobenzene	21.117	180	23719m	0.246	ppbv	

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

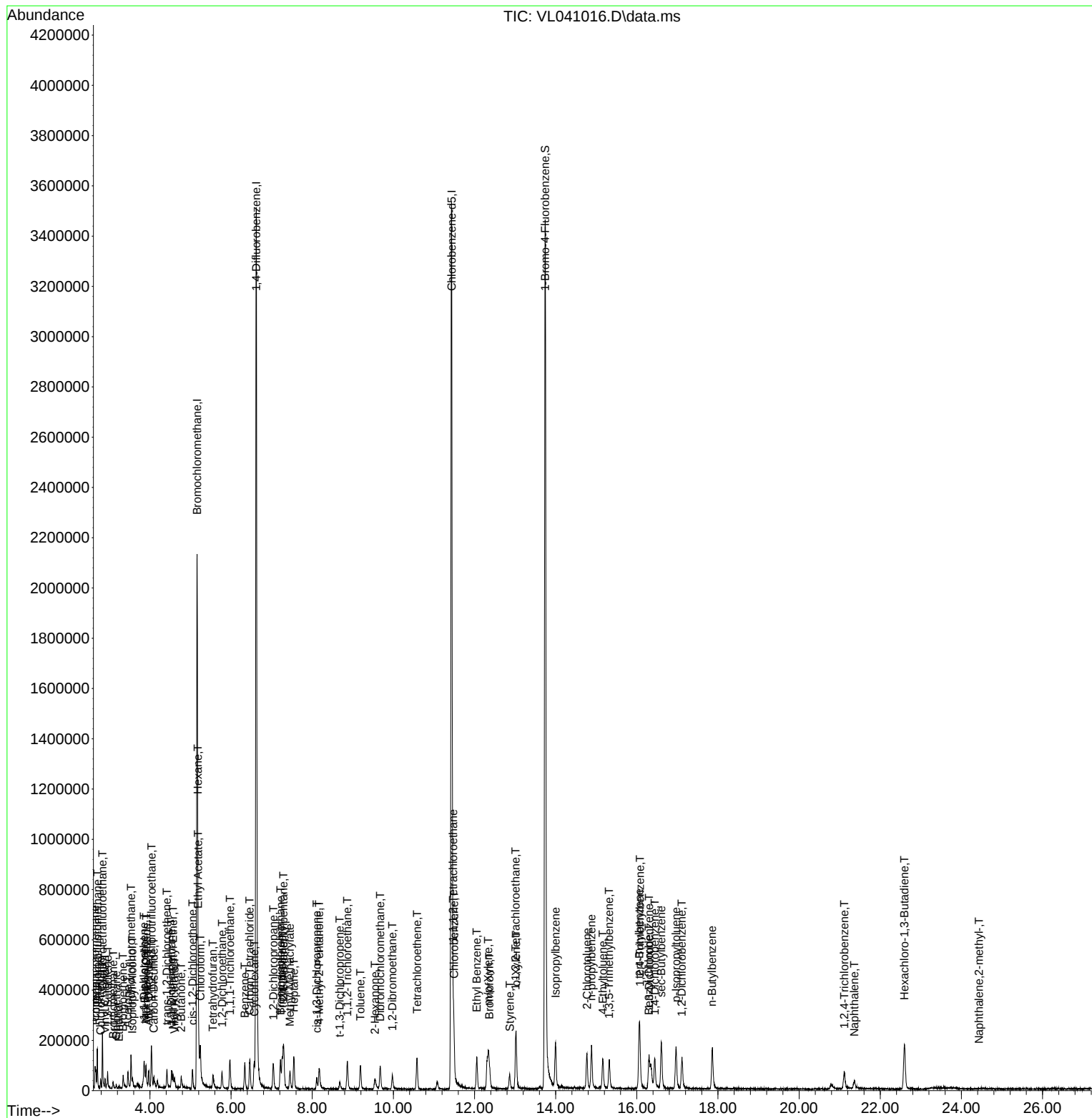
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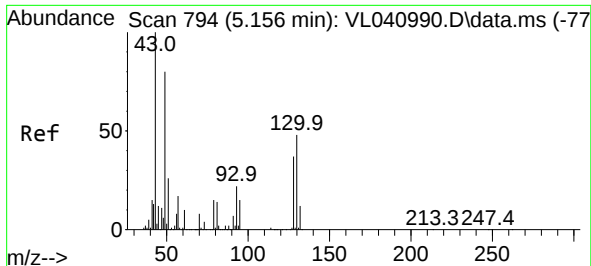
Instrument :
MSVOA_L
ClientSampleId :
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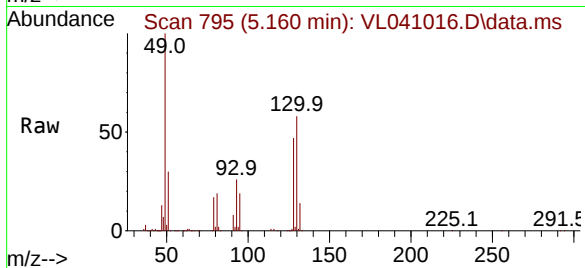
Reviewed By : Mahesh Dadoda 01/25/2024
Supervised By : Semsettin Yesilyurt 01/25/2024





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.160 min Scan# 794
Delta R.T. 0.004 min
Lab File: VL041016.D
Acq: 24 Jan 2024 15:08

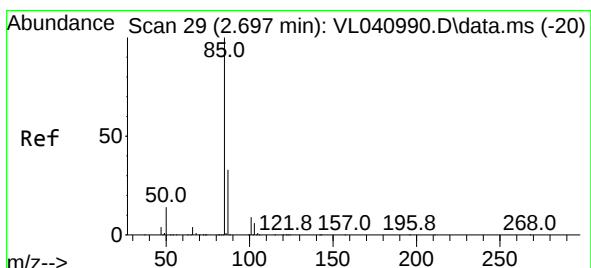
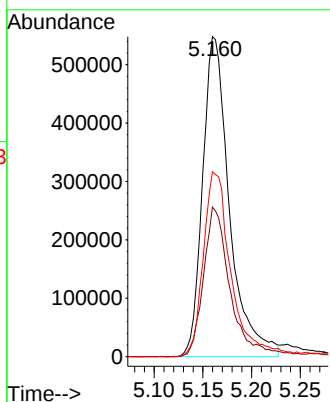
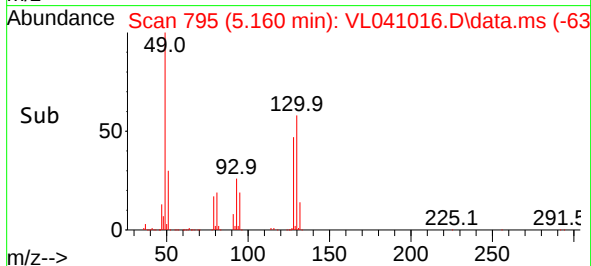
Instrument : MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT1-2024



Tgt Ion: 49 Resp: 1051080
Ion Ratio Lower Upper
49 100
128 46.6 23.9 71.7
130 60.5 31.1 93.5

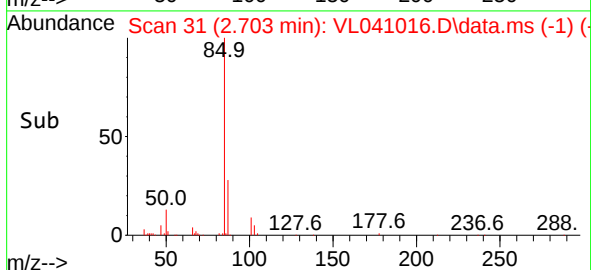
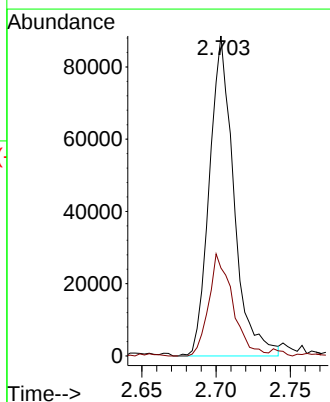
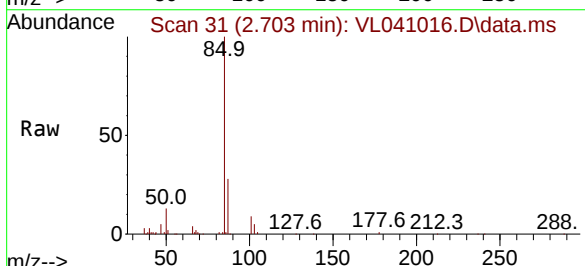
Manual Integrations
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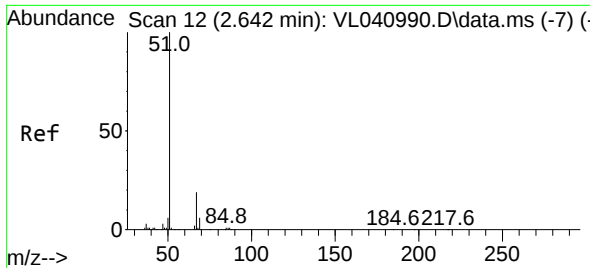
Reviewed By :Mahesh Dadoda 01/25/2024
Supervised By :Semsettin Yesilyurt 01/25/2024



#2
Dichlorodifluoromethane
Concen: 0.437 ppbv
RT: 2.703 min Scan# 31
Delta R.T. 0.003 min
Lab File: VL041016.D
Acq: 24 Jan 2024 15:08

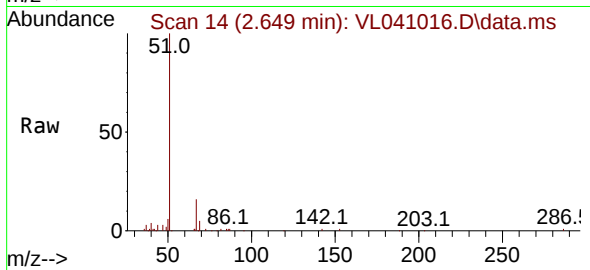
Tgt Ion: 85 Resp: 101472
Ion Ratio Lower Upper
85 100
87 27.5 26.3 39.5





#3
Chlorodifluoromethane
Concen: 0.433 ppbv
RT: 2.649 min Scan# 14
Delta R.T. 0.003 min
Lab File: VL041016.D
Acq: 24 Jan 2024 15:08

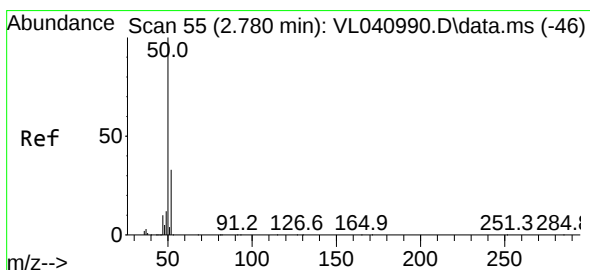
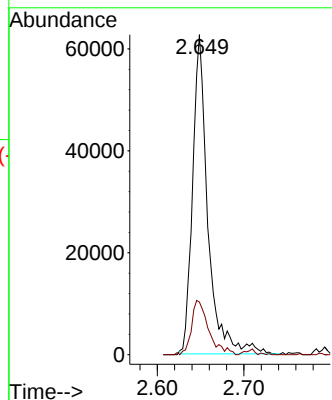
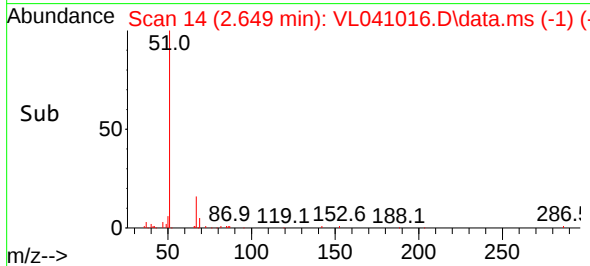
Instrument :
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ClientSampleId :
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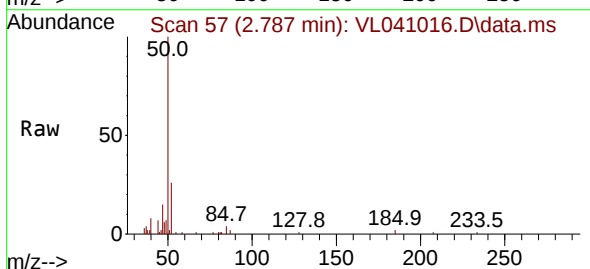
Tgt Ion: 51 Resp: 7658
Ion Ratio Lower Upper
51 100
67 19.0 14.8 22.2

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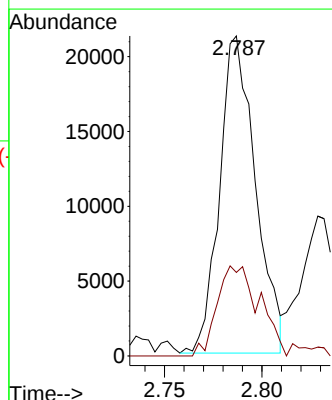
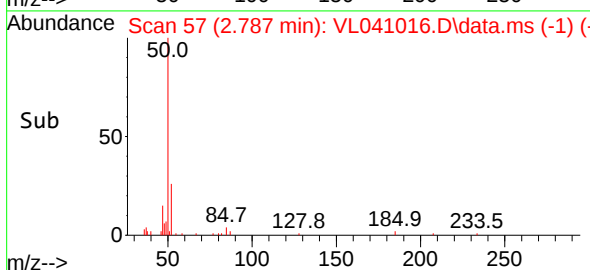
Reviewed By :Mahesh Dadoda 01/25/2024
Supervised By :Semsettin Yesilyurt 01/25/2024

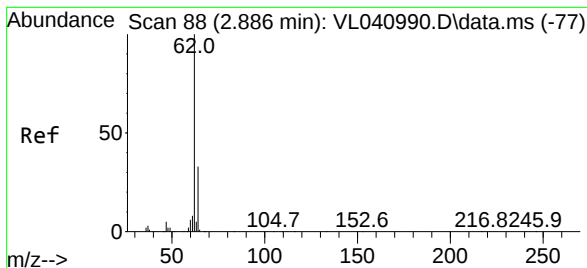


#4
Chloromethane
Concen: 0.410 ppbv
RT: 2.787 min Scan# 57
Delta R.T. 0.003 min
Lab File: VL041016.D
Acq: 24 Jan 2024 15:08



Tgt Ion: 50 Resp: 27189
Ion Ratio Lower Upper
50 100
52 26.3 26.2 39.4





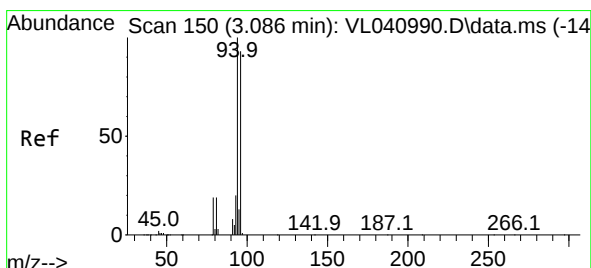
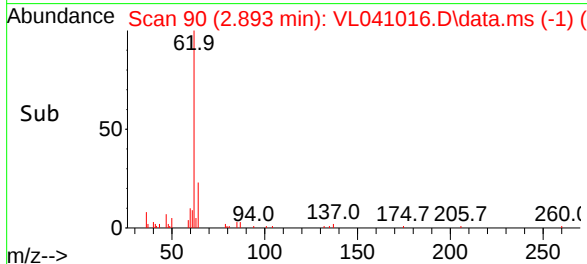
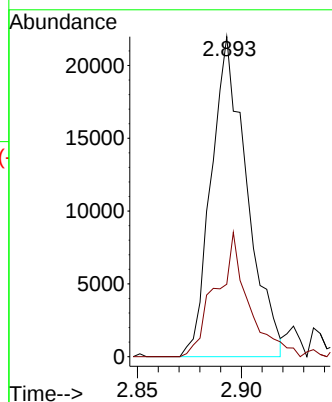
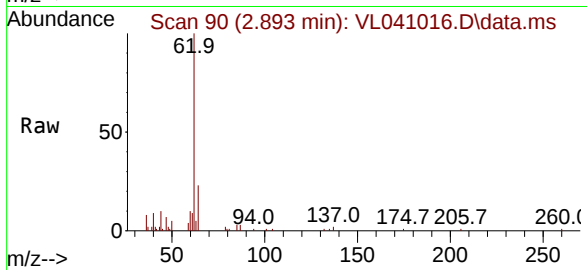
#5
 Vinyl Chloride
 Concen: 0.403 ppbv
 RT: 2.893 min Scan# 90
 Delta R.T. 0.003 min
 Lab File: VL041016.D
 Acq: 24 Jan 2024 15:08

Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT1-2024

Tgt Ion: 62 Resp: 26198
 Ion Ratio Lower Upper
 62 100
 64 22.7 26.6 40.0

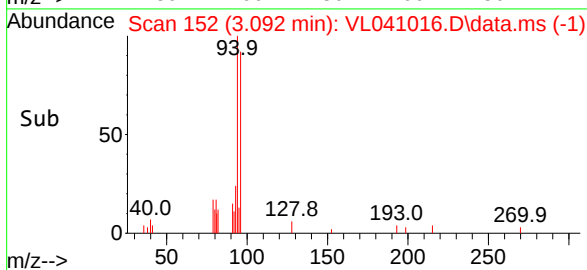
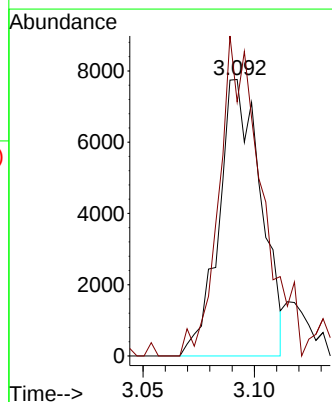
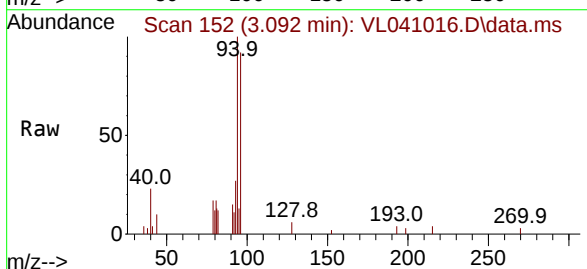
Manual Integrations
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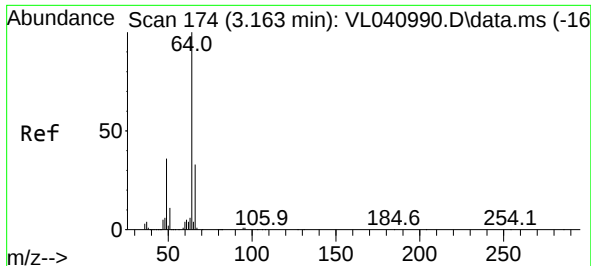
Reviewed By :Mahesh Dadoda 01/25/2024
 Supervised By :Semsettin Yesilyurt 01/25/2024



#6
 Bromomethane
 Concen: 0.360 ppbv
 RT: 3.092 min Scan# 152
 Delta R.T. 0.003 min
 Lab File: VL041016.D
 Acq: 24 Jan 2024 15:08

Tgt Ion: 94 Resp: 10172
 Ion Ratio Lower Upper
 94 100
 96 91.9 74.2 111.4





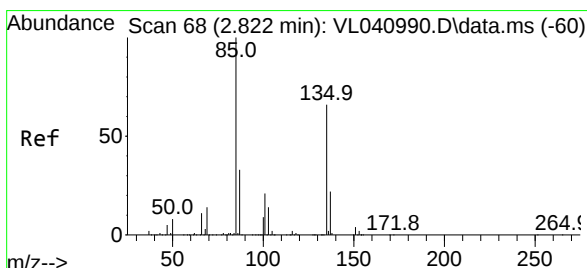
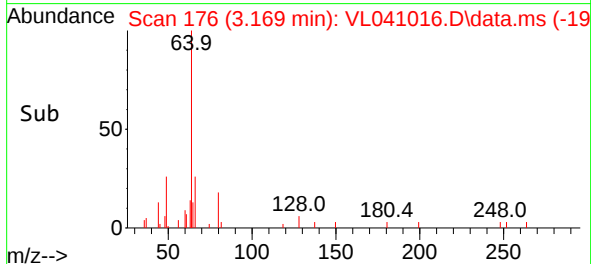
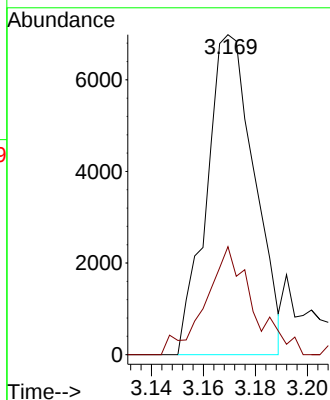
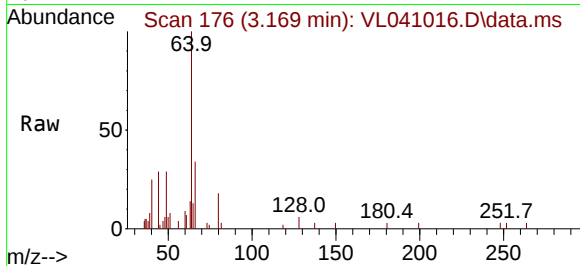
#7
Chloroethane
Concen: 0.382 ppbv
RT: 3.169 min Scan# 11
Delta R.T. 0.003 min
Lab File: VL041016.D
Acq: 24 Jan 2024 15:08

Instrument : MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT1-2024

Tgt Ion: 64 Resp: 893
Ion Ratio Lower Upper
64 100
66 29.9 26.0 39.0

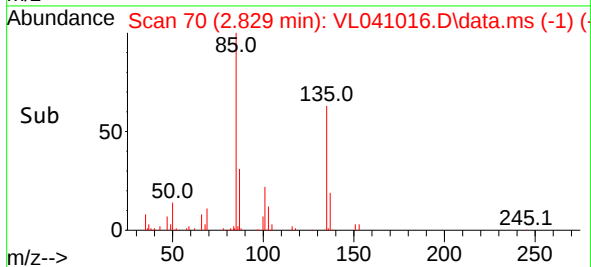
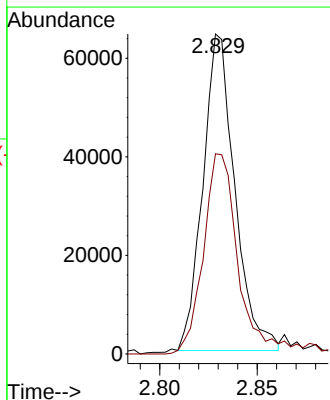
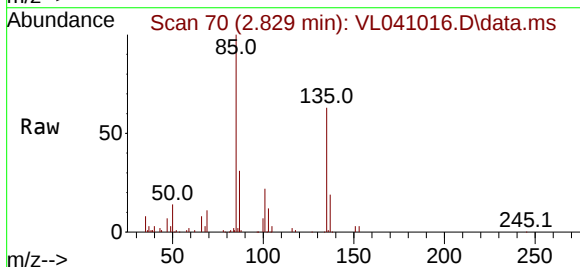
Manual Integrations
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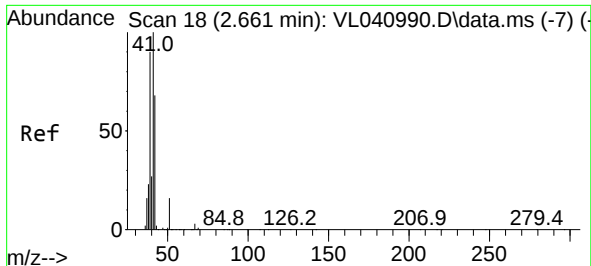
Reviewed By :Mahesh Dadoda 01/25/2024
Supervised By :Semsettin Yesilyurt 01/25/2024



#8
Dichlorotetrafluoroethane
Concen: 0.422 ppbv
RT: 2.829 min Scan# 70
Delta R.T. 0.003 min
Lab File: VL041016.D
Acq: 24 Jan 2024 15:08

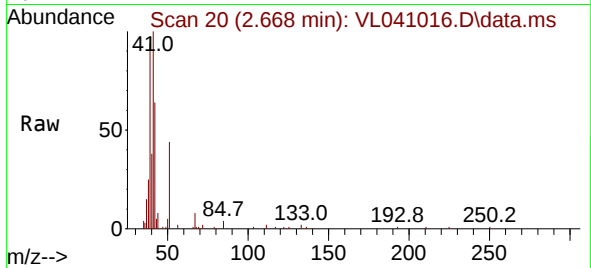
Tgt Ion: 85 Resp: 73134
Ion Ratio Lower Upper
85 100
135 71.6 55.0 82.6





#9
Propene
Concen: 0.418 ppbv
RT: 2.668 min Scan# 20
Delta R.T. 0.003 min
Lab File: VL041016.D
Acq: 24 Jan 2024 15:08

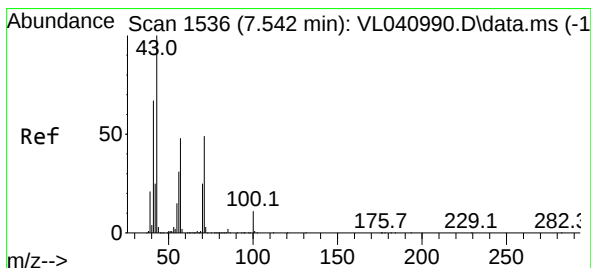
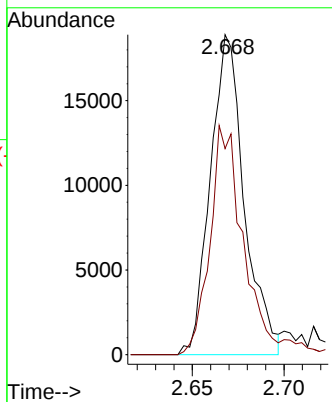
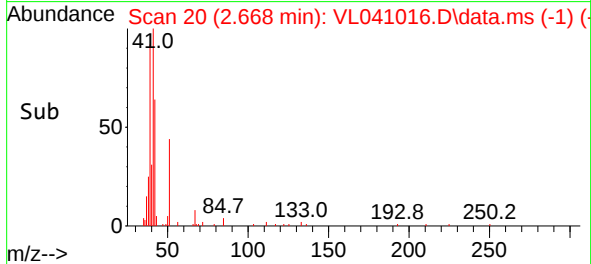
Instrument :
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Tgt Ion: 41 Resp: 2425
Ion Ratio Lower Upper
41 100
42 72.7 59.0 88.4

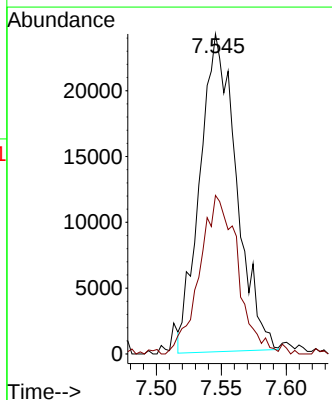
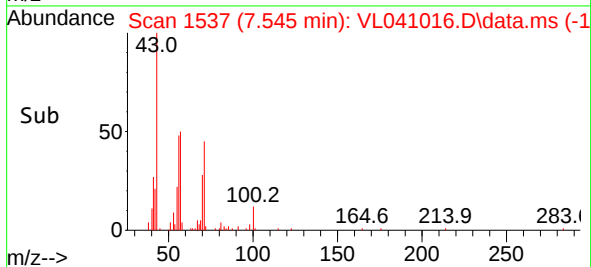
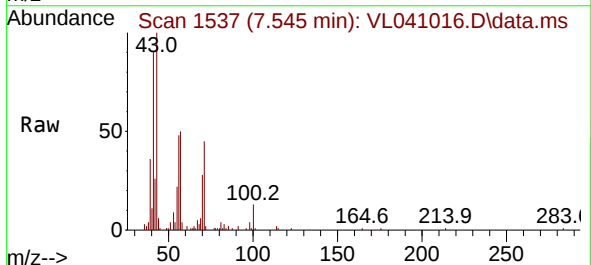
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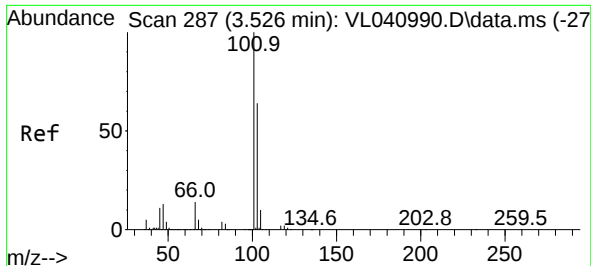
Reviewed By :Mahesh Dadoda 01/25/2024
Supervised By :Semsettin Yesilyurt 01/25/2024



#10
Heptane
Concen: 0.331 ppbv
RT: 7.545 min Scan# 1537
Delta R.T. 0.003 min
Lab File: VL041016.D
Acq: 24 Jan 2024 15:08

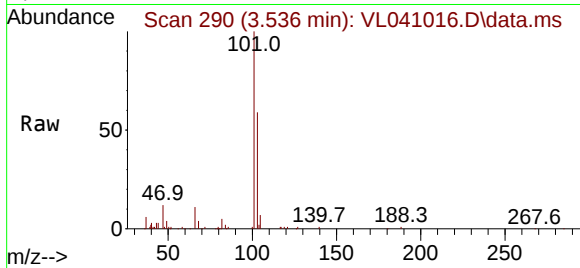
Tgt Ion: 43 Resp: 47242
Ion Ratio Lower Upper
43 100
57 52.7 39.4 59.2





#11
 Trichlorofluoromethane
 Concen: 0.403 ppbv
 RT: 3.536 min Scan# 290
 Delta R.T. 0.006 min
 Lab File: VL041016.D
 Acq: 24 Jan 2024 15:08

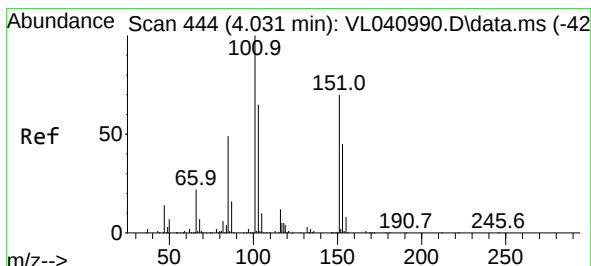
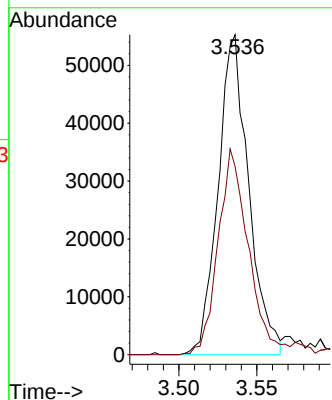
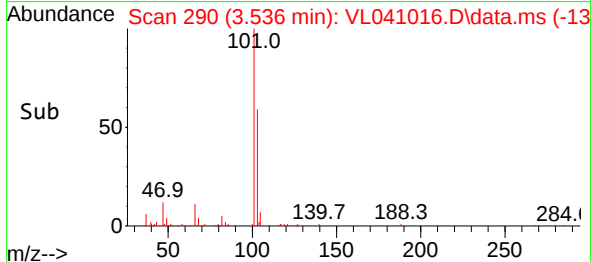
Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT1-2024



Tgt Ion:101 Resp: 75338
 Ion Ratio Lower Upper
 101 100
 103 58.8 51.4 77.2

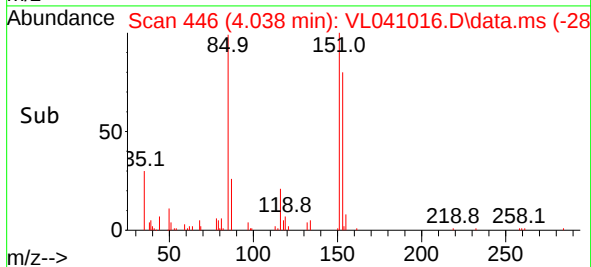
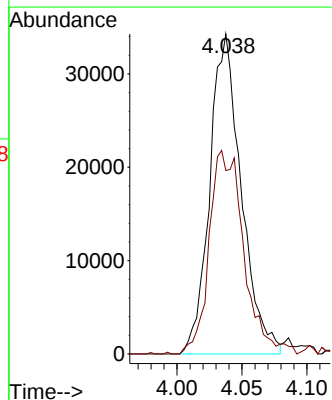
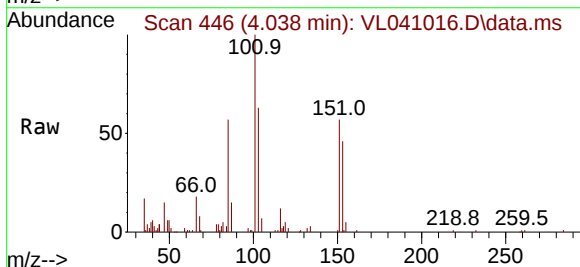
Manual Integrations
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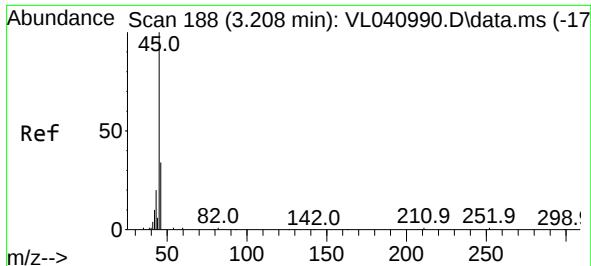
Reviewed By :Mahesh Dadoda 01/25/2024
 Supervised By :Semsettin Yesilyurt 01/25/2024



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.426 ppbv
 RT: 4.038 min Scan# 446
 Delta R.T. 0.006 min
 Lab File: VL041016.D
 Acq: 24 Jan 2024 15:08

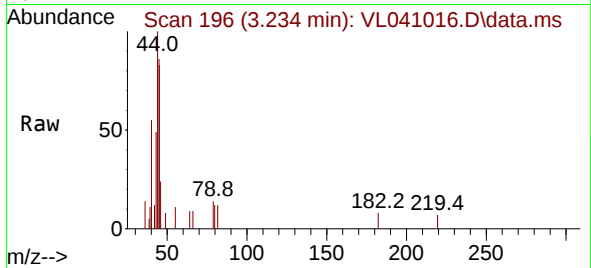
Tgt Ion:101 Resp: 57781
 Ion Ratio Lower Upper
 101 100
 151 69.5 56.6 85.0





#13
Ethanol
Concen: 0.442 ppbv
RT: 3.234 min Scan# 196
Delta R.T. 0.026 min
Lab File: VL041016.D
Acq: 24 Jan 2024 15:08

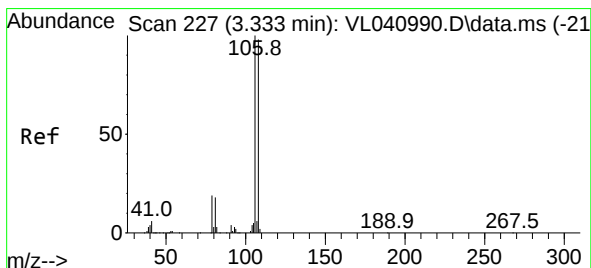
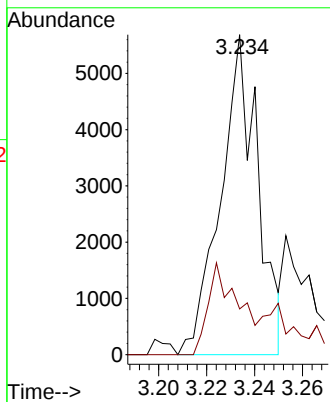
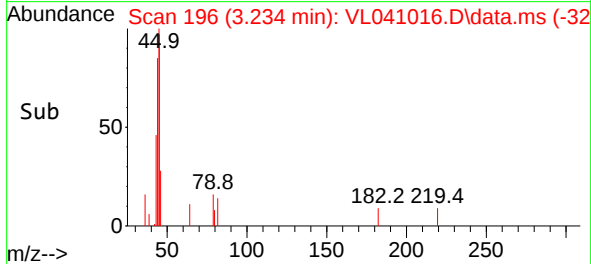
Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT1-2024



Tgt Ion: 45 Resp: 6109
Ion Ratio Lower Upper
45 100
46 42.0 16.2 64.8

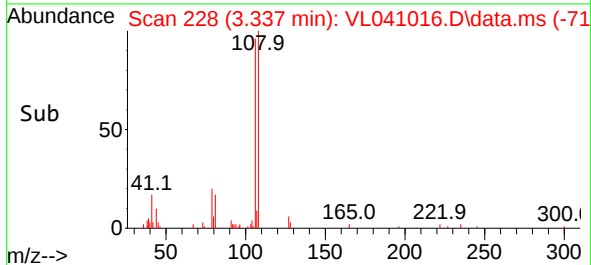
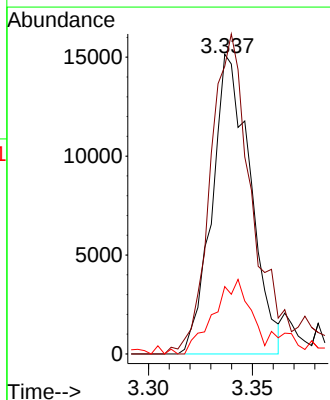
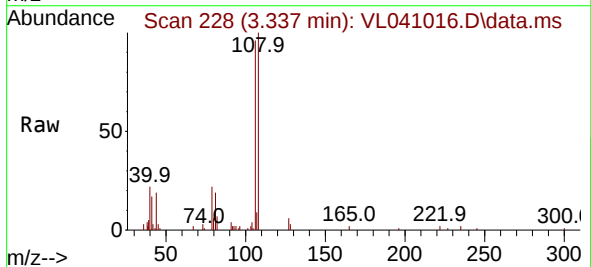
Manual Integrations
APPROVED

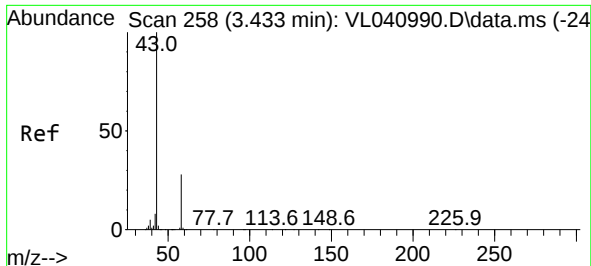
Reviewed By :Mahesh Dadoda 01/25/2024
Supervised By :Semsettin Yesilyurt 01/25/2024



#14
Bromoethene
Concen: 0.372 ppbv
RT: 3.337 min Scan# 228
Delta R.T. 0.003 min
Lab File: VL041016.D
Acq: 24 Jan 2024 15:08

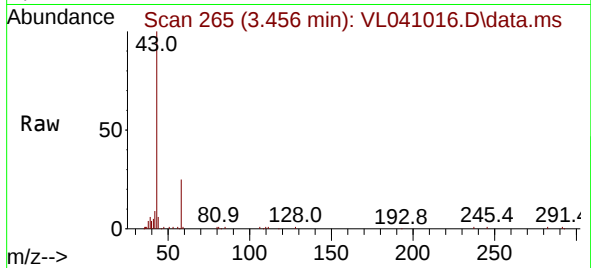
Tgt Ion:108 Resp: 19354
Ion Ratio Lower Upper
108 100
106 127.9 86.4 129.6
79 30.8 16.2 24.4#





#15
Acetone
Concen: 0.497 ppbv
RT: 3.456 min Scan# 210
Delta R.T. 0.019 min
Lab File: VL041016.D
Acq: 24 Jan 2024 15:08

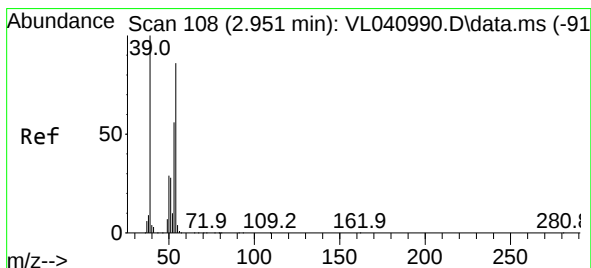
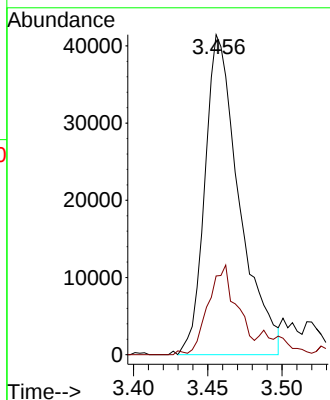
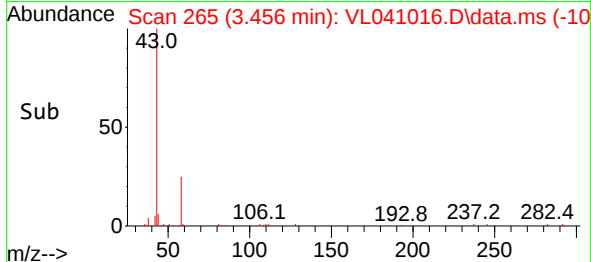
Instrument : MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT1-2024



Tgt Ion: 43 Resp: 6677
Ion Ratio Lower Upper
43 100
58 28.9 22.2 33.2

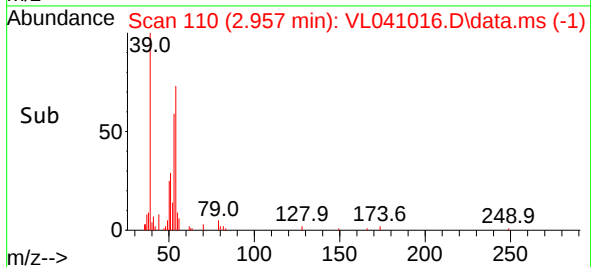
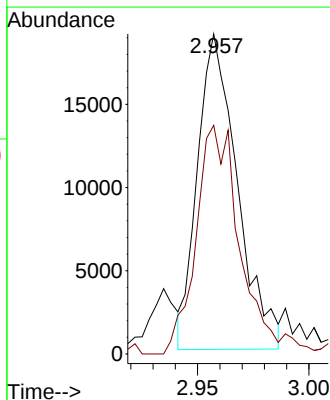
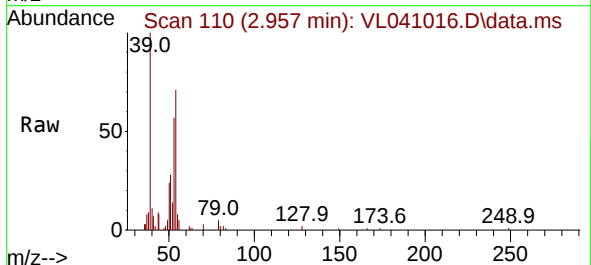
Manual Integrations
APPROVED

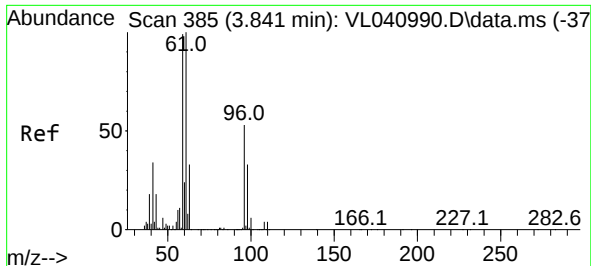
Reviewed By :Mahesh Dadoda 01/25/2024
Supervised By :Semsettin Yesilyurt 01/25/2024



#16
1,3-Butadiene
Concen: 0.368 ppbv
RT: 2.957 min Scan# 110
Delta R.T. 0.003 min
Lab File: VL041016.D
Acq: 24 Jan 2024 15:08

Tgt Ion: 39 Resp: 23639
Ion Ratio Lower Upper
39 100
54 82.7 62.7 94.1





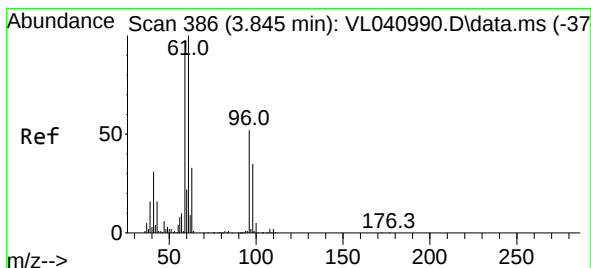
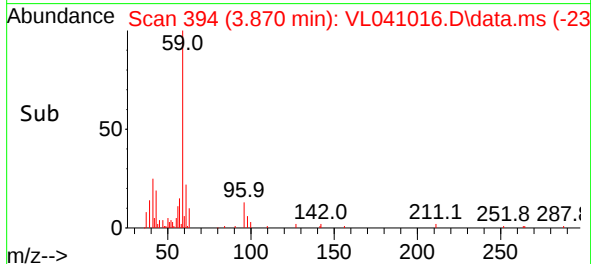
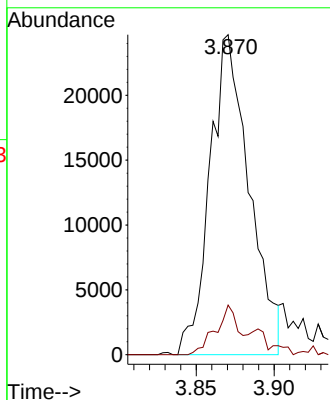
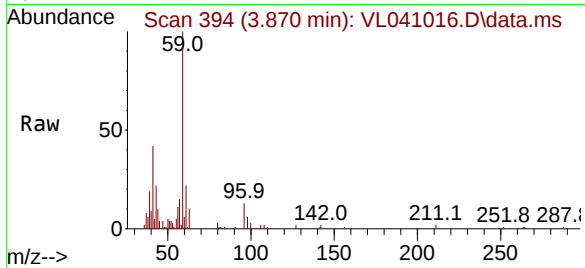
#17
tert-Butyl alcohol
Concen: 0.394 ppbv
RT: 3.870 min Scan# 394
Delta R.T. 0.026 min
Lab File: VL041016.D
Acq: 24 Jan 2024 15:08

Instrument : MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT1-2024

Tgt Ion: 59 Resp: 43404
Ion Ratio Lower Upper
59 100
57 13.2 8.7 13.1

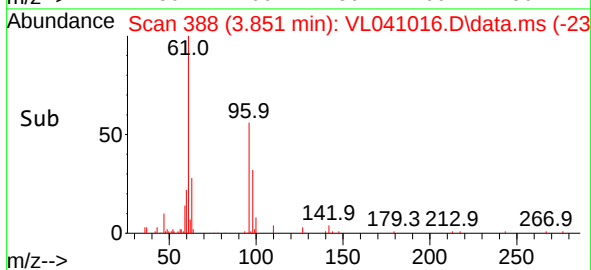
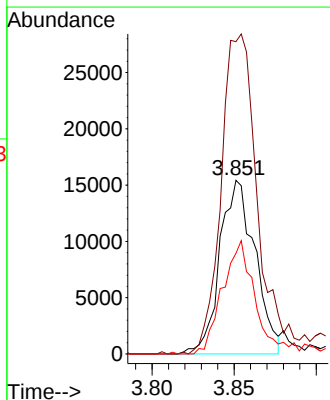
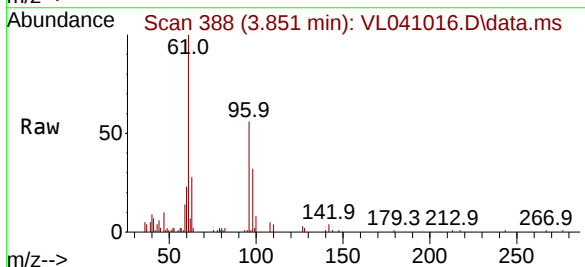
Manual Integrations
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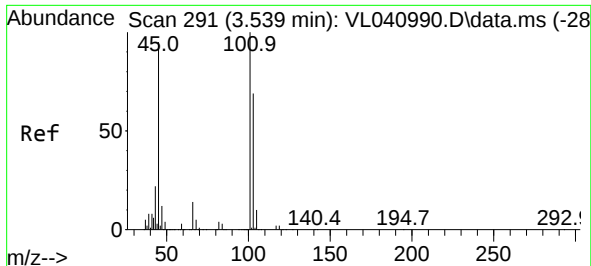
Reviewed By :Mahesh Dadoda 01/25/2024
Supervised By :Semsettin Yesilyurt 01/25/2024



#18
1,1-Dichloroethene
Concen: 0.396 ppbv
RT: 3.851 min Scan# 388
Delta R.T. 0.003 min
Lab File: VL041016.D
Acq: 24 Jan 2024 15:08

Tgt Ion: 96 Resp: 22985
Ion Ratio Lower Upper
96 100
61 179.8 153.8 230.8
98 57.9 53.7 80.5





#19

Isopropyl Alcohol

Concen: 0.393 ppbv

RT: 3.568 min Scan# 300

Delta R.T. 0.023 min

Lab File: VL041016.D

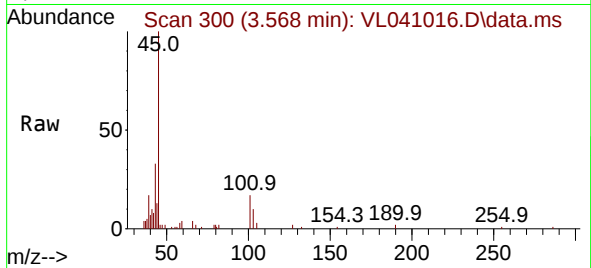
Acq: 24 Jan 2024 15:08

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT1-2024

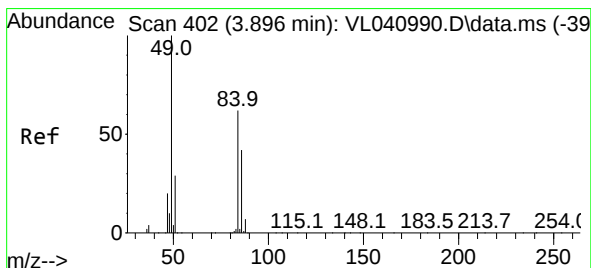
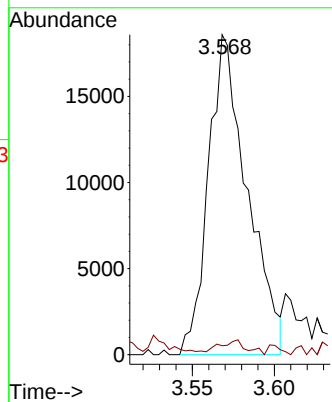
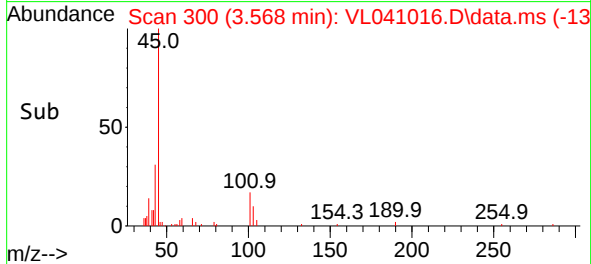


Tgt Ion:	45	Resp:	30549
Ion Ratio	Lower	Upper	
45	100		
58	6.4	2.2	3.4

Manual Integrations

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Reviewed By :Mahesh Dadoda 01/25/2024
Supervised By :Semsettin Yesilyurt 01/25/2024



#20

Methylene Chloride

Concen: 0.497 ppbv m

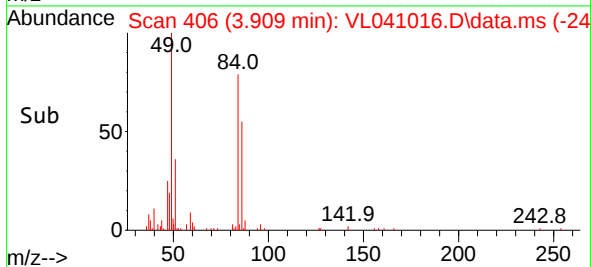
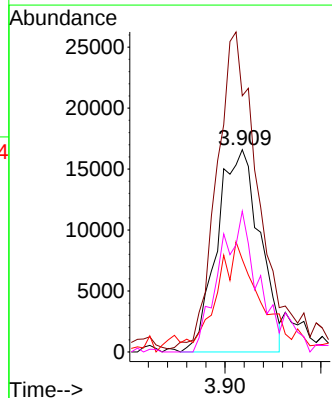
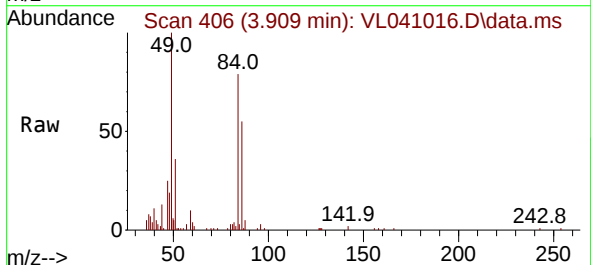
RT: 3.909 min Scan# 406

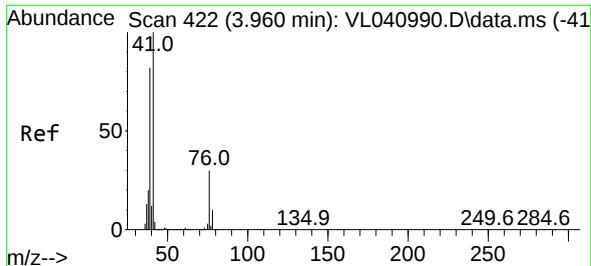
Delta R.T. 0.010 min

Lab File: VL041016.D

Acq: 24 Jan 2024 15:08

Tgt Ion:	84	Resp:	25731
Ion Ratio	Lower	Upper	
84	100		
49	126.7	128.1	192.1
51	45.8	36.5	54.7
86	69.6	54.1	81.1





#21

Allyl Chloride

Concen: 0.362 ppbv

RT: 3.967 min Scan# 41

Delta R.T. 0.003 min

Lab File: VL041016.D

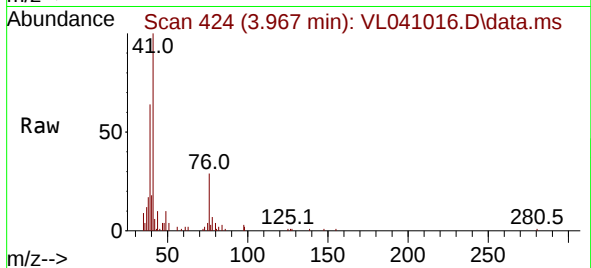
Acq: 24 Jan 2024 15:08

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT1-2024



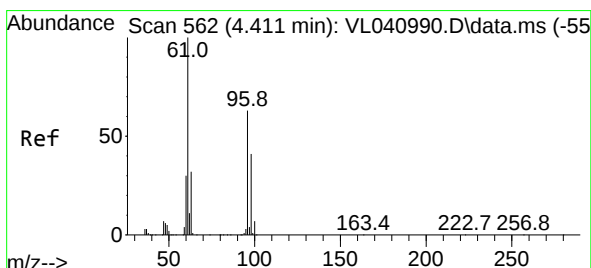
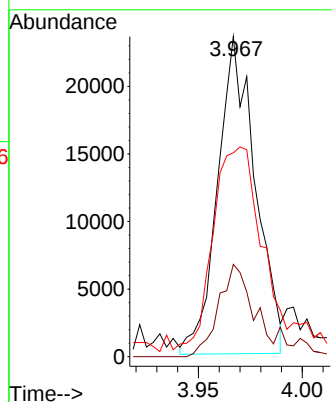
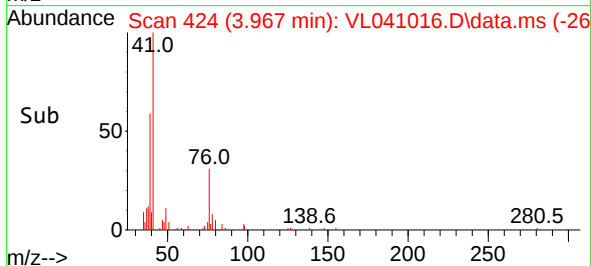
Tgt Ion: 41 Resp: 2952

Ion	Ratio	Lower	Upper
41	100		
76	31.6	25.0	37.4
39	97.9	67.0	100.6

Manual Integrations

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Reviewed By :Mahesh Dadoda 01/25/2024
Supervised By :Semsettin Yesilyurt 01/25/2024



#22

trans-1,2-Dichloroethene

Concen: 0.355 ppbv

RT: 4.417 min Scan# 564

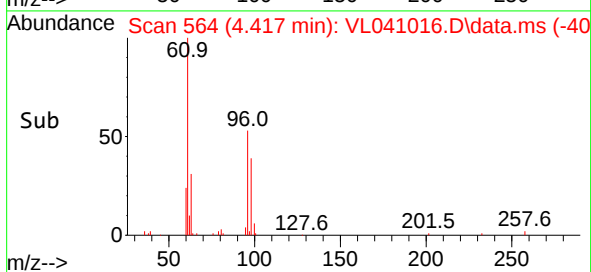
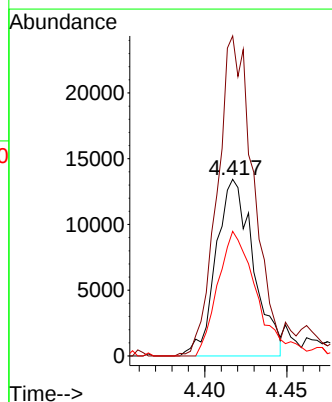
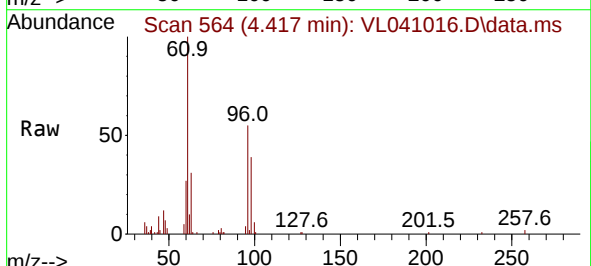
Delta R.T. 0.006 min

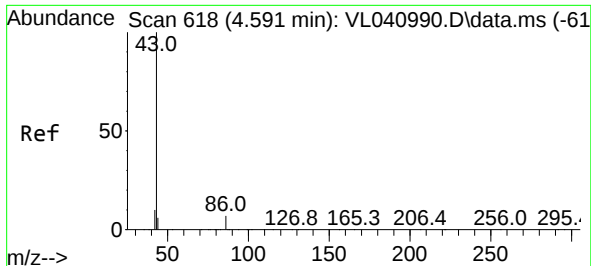
Lab File: VL041016.D

Acq: 24 Jan 2024 15:08

Tgt Ion: 96 Resp: 21222

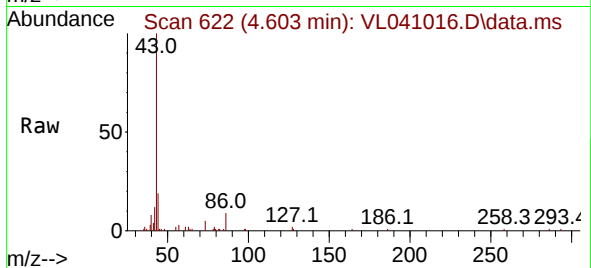
Ion	Ratio	Lower	Upper
96	100		
61	179.8	126.0	189.0
98	70.6	51.2	76.8





#23
Vinyl Acetate
Concen: 0.323 ppbv
RT: 4.603 min Scan# 618
Delta R.T. 0.010 min
Lab File: VL041016.D
Acq: 24 Jan 2024 15:08

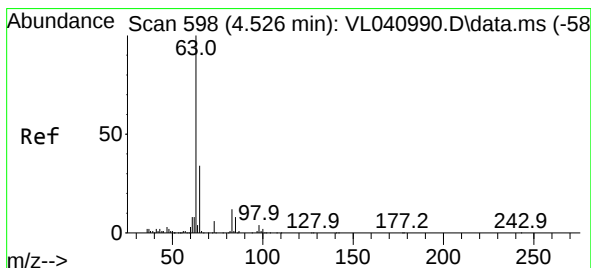
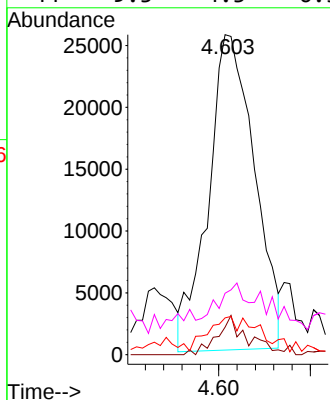
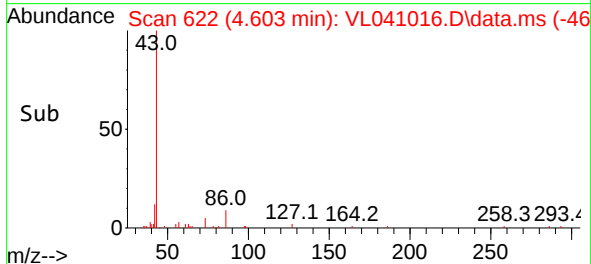
Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT1-2024



Tgt Ion: 43 Resp: 44728
Ion Ratio Lower Upper
43 100
86 9.9 5.4 8.0
42 10.6 8.6 13.0
44 9.3 4.3 6.5#

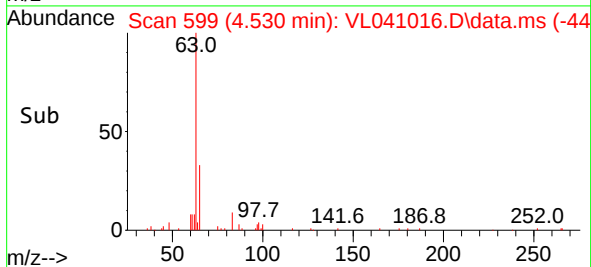
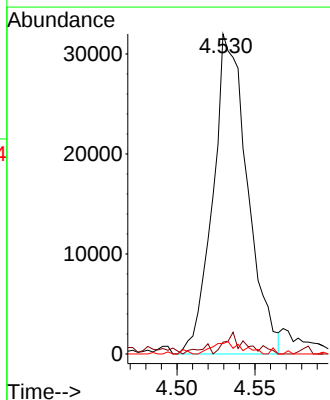
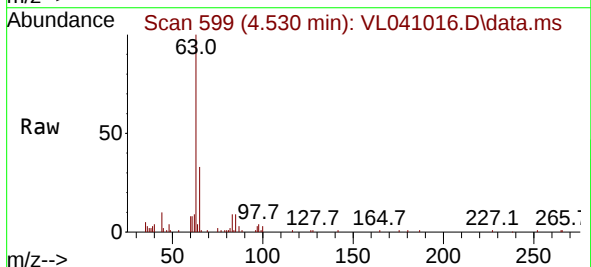
Manual Integrations
APPROVED

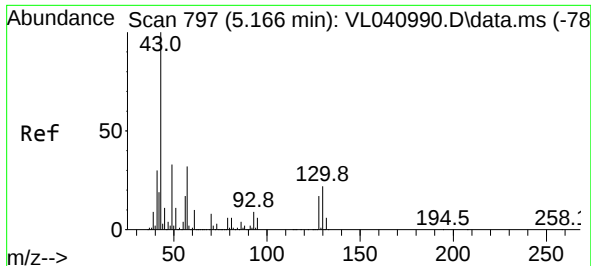
Reviewed By :Mahesh Dadoda 01/25/2024
Supervised By :Semsettin Yesilyurt 01/25/2024



#24
1,1-Dichloroethane
Concen: 0.401 ppbv
RT: 4.530 min Scan# 599
Delta R.T. 0.000 min
Lab File: VL041016.D
Acq: 24 Jan 2024 15:08

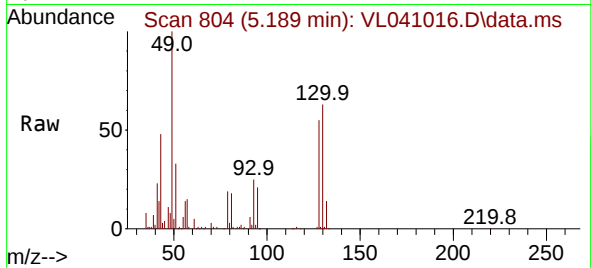
Tgt Ion: 63 Resp: 49319
Ion Ratio Lower Upper
63 100
98 3.7 2.1 6.3
100 3.3 1.3 3.9





#25
Ethyl Acetate
Concen: 0.361 ppbv
RT: 5.189 min Scan# 804
Delta R.T. 0.023 min
Lab File: VL041016.D
Acq: 24 Jan 2024 15:08

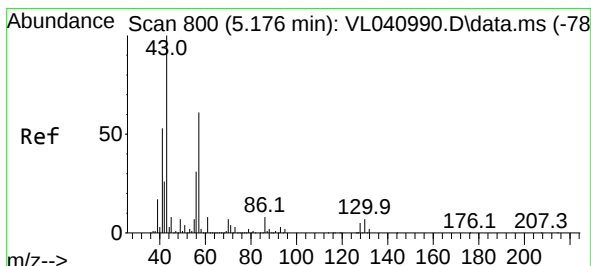
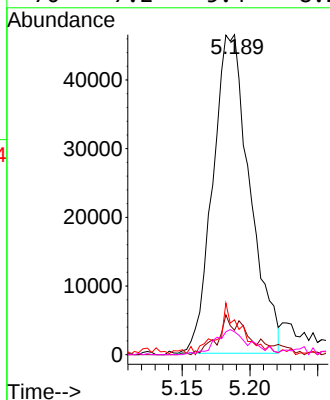
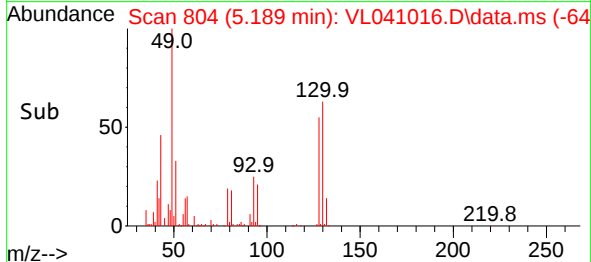
Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT1-2024



Tgt Ion: 43	Resp: 87939
Ion Ratio	Lower Upper
43 100	
45 12.0	8.2 12.4
61 11.4	7.9 11.9
70 7.2	5.4 8.2

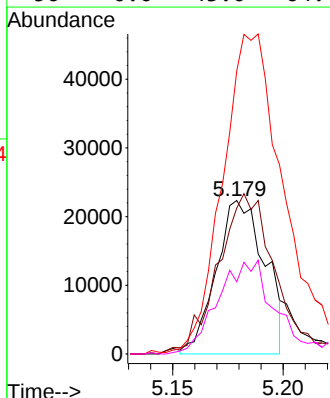
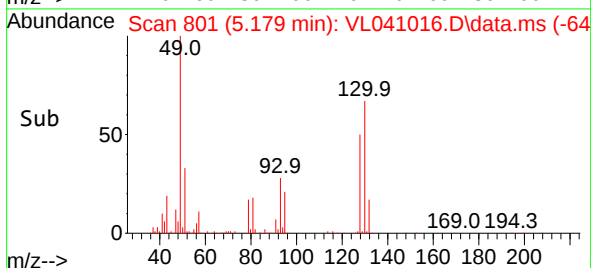
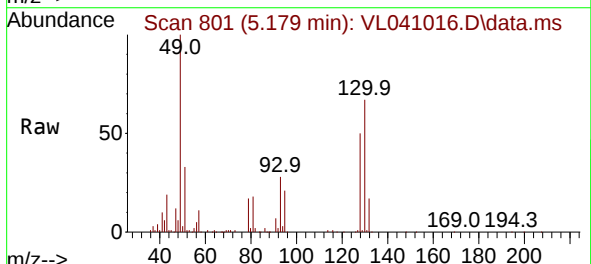
Manual Integrations
APPROVED

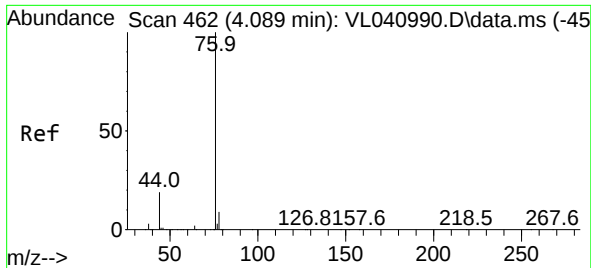
Reviewed By :Mahesh Dadoda 01/25/2024
Supervised By :Semsettin Yesilyurt 01/25/2024



#26
Hexane
Concen: 0.329 ppbv m
RT: 5.179 min Scan# 801
Delta R.T. 0.000 min
Lab File: VL041016.D
Acq: 24 Jan 2024 15:08

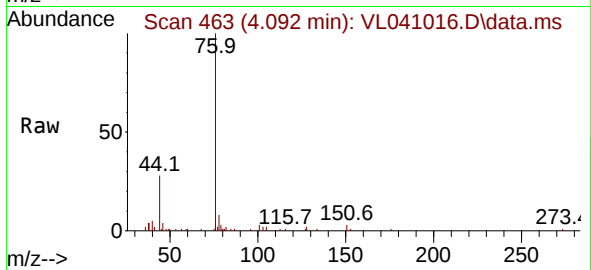
Tgt Ion: 57	Resp: 34173
Ion Ratio	Lower Upper
57 100	
41 127.1	74.4 111.6#
43 0.0	190.6 285.8#
56 0.0	43.0 64.4#





#27
Carbon Disulfide
Concen: 0.340 ppbv m
RT: 4.092 min Scan# 4
Delta R.T. 0.000 min
Lab File: VL041016.D
Acq: 24 Jan 2024 15:08

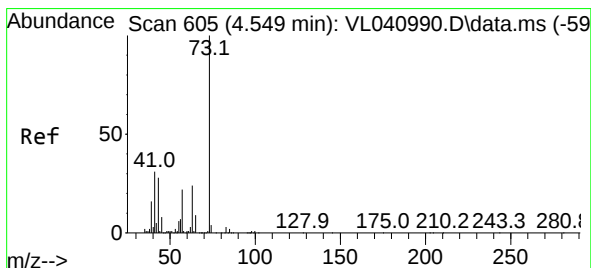
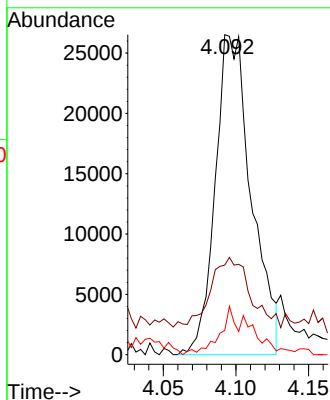
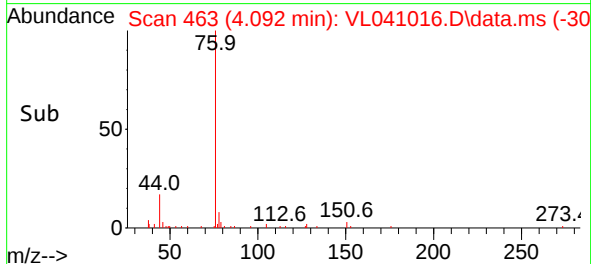
Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT1-2024



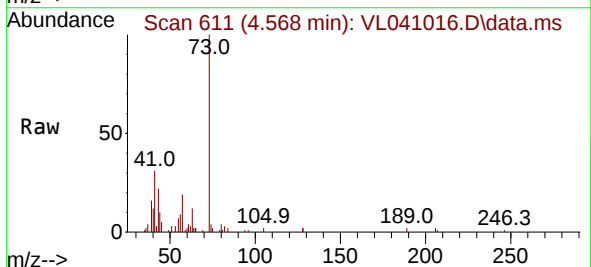
Tgt Ion: 76 Resp: 4596
Ion Ratio Lower Upper
76 100
44 32.6 16.0 24.0
78 13.4 7.8 11.8

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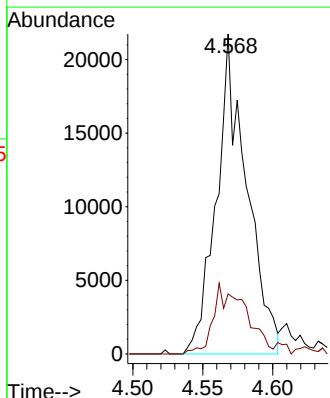
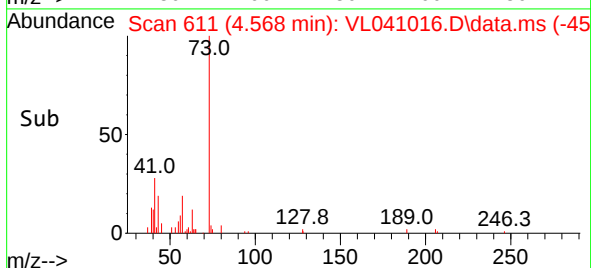
Reviewed By :Mahesh Dadoda 01/25/2024
Supervised By :Semsettin Yesilyurt 01/25/2024

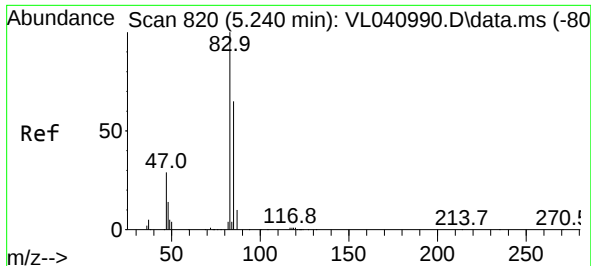


#28
Methyl tert-Butyl Ether
Concen: 0.379 ppbv m
RT: 4.568 min Scan# 611
Delta R.T. 0.016 min
Lab File: VL041016.D
Acq: 24 Jan 2024 15:08



Tgt Ion: 73 Resp: 32637
Ion Ratio Lower Upper
73 100
57 26.2 18.0 27.0





#29

Chloroform

Concen: 0.425 ppbv

RT: 5.243 min Scan# 81

Delta R.T. 0.003 min

Lab File: VL041016.D

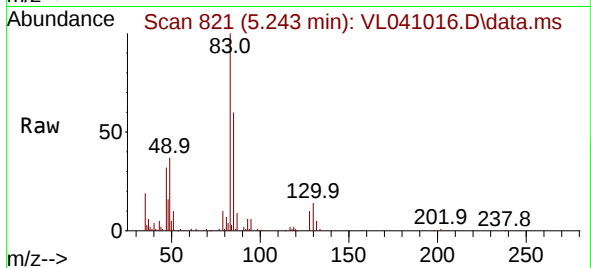
Acq: 24 Jan 2024 15:08

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT1-2024

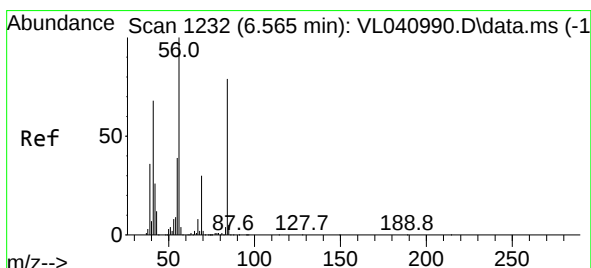
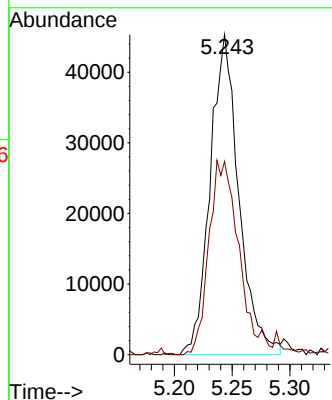
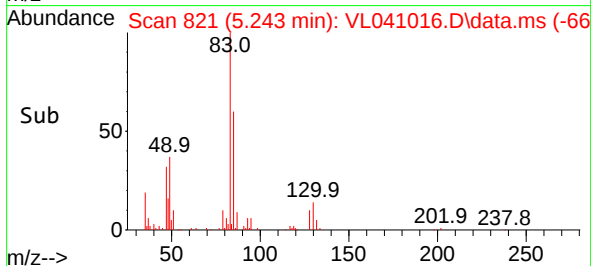


Tgt Ion:	83	Resp:	78339
Ion Ratio	Lower	Upper	
83	100		
85	60.4	51.6	77.4

Manual Integrations

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Reviewed By :Mahesh Dadoda 01/25/2024
Supervised By :Semsettin Yesilyurt 01/25/2024



#30

Cyclohexane

Concen: 0.292 ppbv

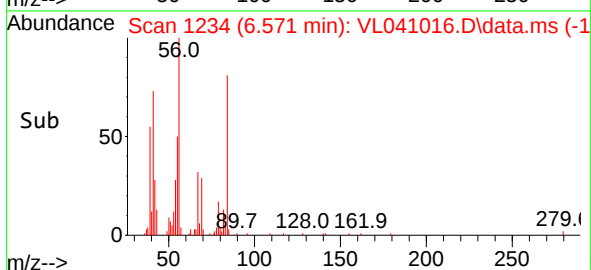
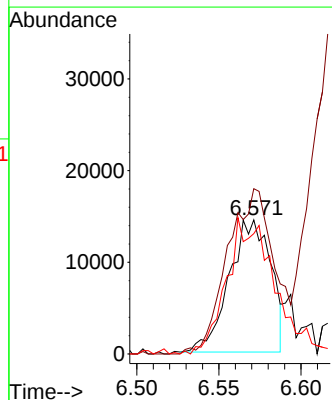
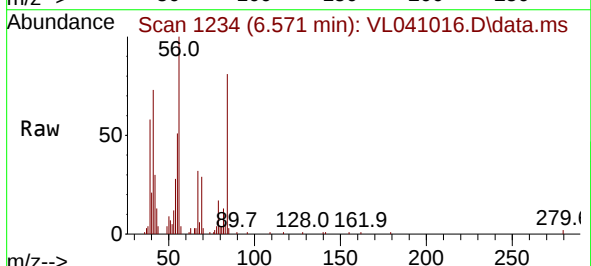
RT: 6.571 min Scan# 1234

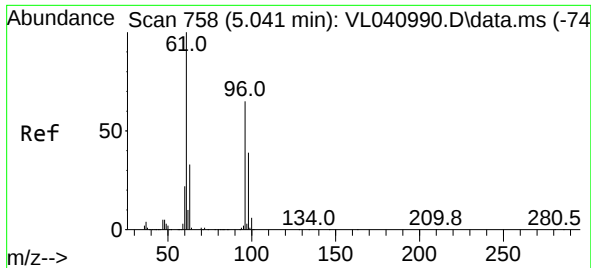
Delta R.T. 0.006 min

Lab File: VL041016.D

Acq: 24 Jan 2024 15:08

Tgt Ion:	84	Resp:	25441
Ion Ratio	Lower	Upper	
84	100		
56	136.9	111.7	167.5
41	120.2	71.0	106.6





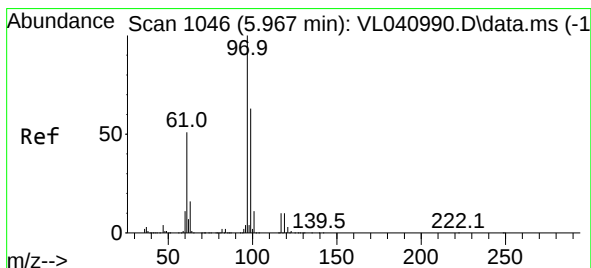
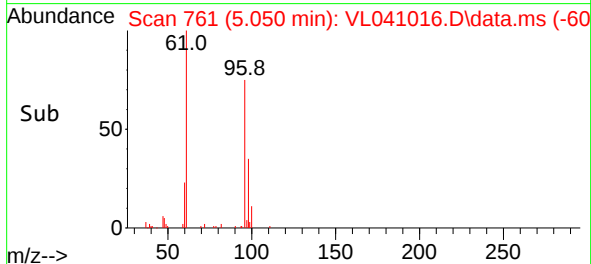
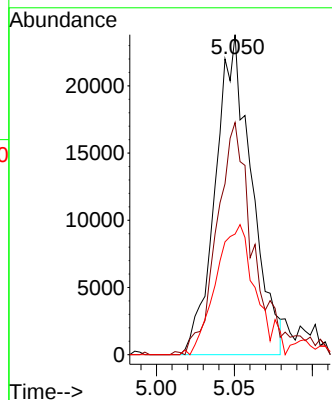
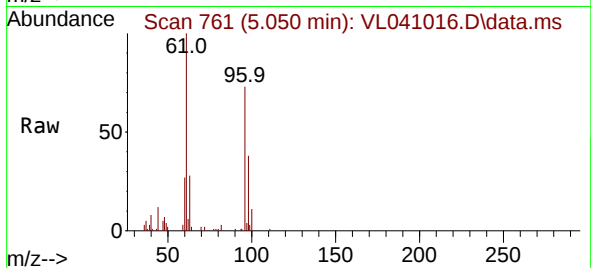
#31
 cis-1,2-Dichloroethene
 Concen: 0.394 ppbv
 RT: 5.050 min Scan# 70
 Delta R.T. 0.006 min
 Lab File: VL041016.D
 Acq: 24 Jan 2024 15:08

Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT1-2024

Tgt Ion: 61 Resp: 3841
 Ion Ratio Lower Upper
 61 100
 96 71.8 51.9 77.9
 98 37.7 31.5 47.3

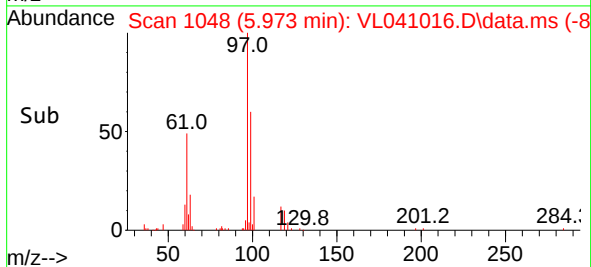
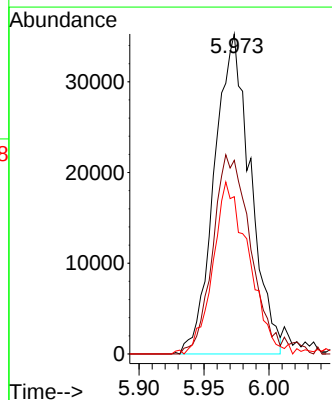
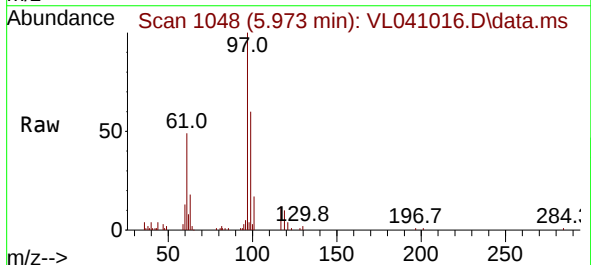
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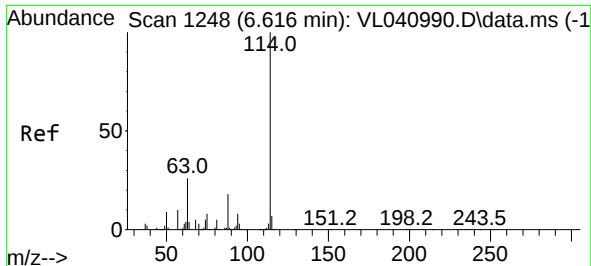
Reviewed By :Mahesh Dadoda 01/25/2024
 Supervised By :Semsettin Yesilyurt 01/25/2024



#32
 1,1,1-Trichloroethane
 Concen: 0.387 ppbv
 RT: 5.973 min Scan# 1048
 Delta R.T. 0.003 min
 Lab File: VL041016.D
 Acq: 24 Jan 2024 15:08

Tgt Ion: 97 Resp: 68209
 Ion Ratio Lower Upper
 97 100
 99 66.6 51.5 77.3
 61 54.5 40.3 60.5





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.623 min Scan# 114

Delta R.T. 0.006 min

Lab File: VL041016.D

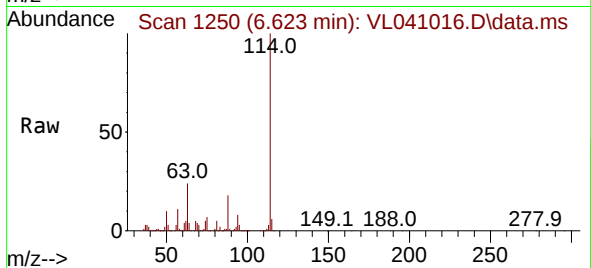
Acq: 24 Jan 2024 15:08

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT1-2024



Tgt Ion:114 Resp: 262108

Ion Ratio Lower Upper

114 100

63 26.2 20.8 31.2

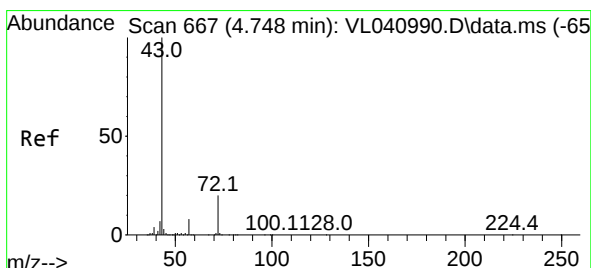
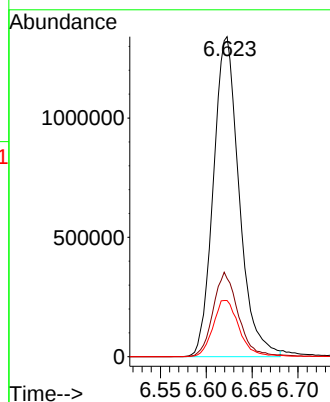
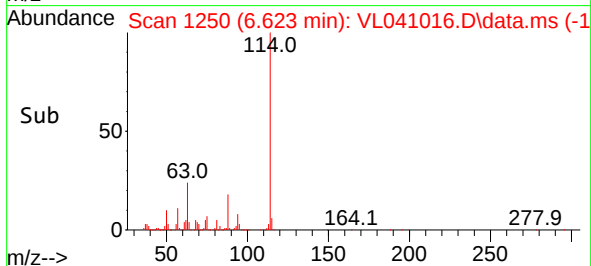
88 18.1 14.3 21.5

Manual Integrations

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Reviewed By :Mahesh Dadoda 01/25/2024

Supervised By :Semsettin Yesilyurt 01/25/2024



#34

2-Butanone

Concen: 0.405 ppbv

RT: 4.771 min Scan# 674

Delta R.T. 0.019 min

Lab File: VL041016.D

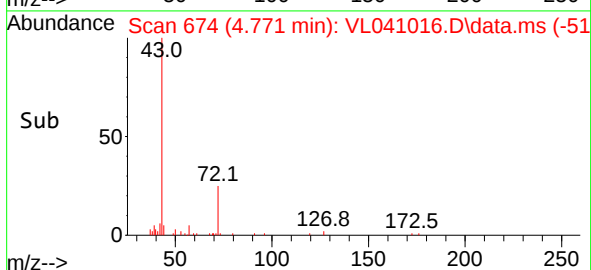
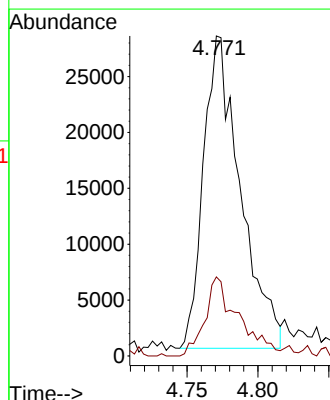
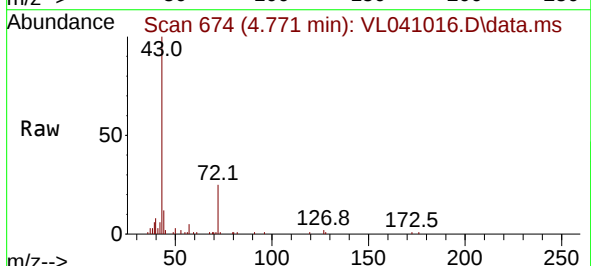
Acq: 24 Jan 2024 15:08

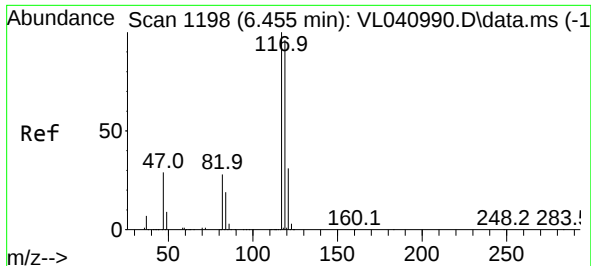
Tgt Ion: 43 Resp: 50624

Ion Ratio Lower Upper

43 100

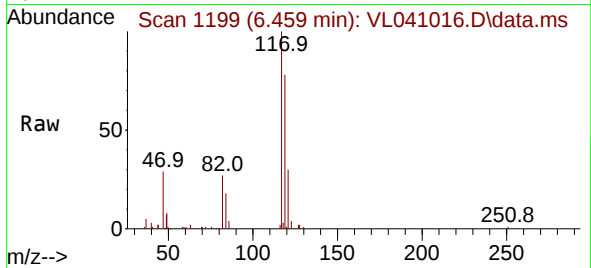
72 23.7 17.5 26.3





#35
Carbon Tetrachloride
Concen: 0.395 ppbv
RT: 6.459 min Scan# 1199
Delta R.T. 0.000 min
Lab File: VL041016.D
Acq: 24 Jan 2024 15:08

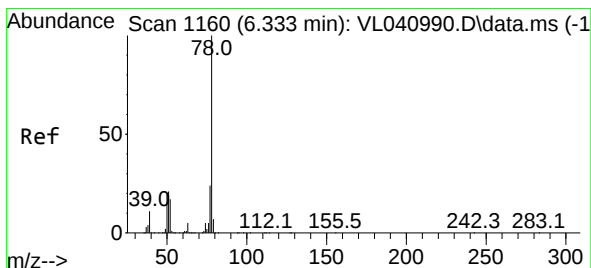
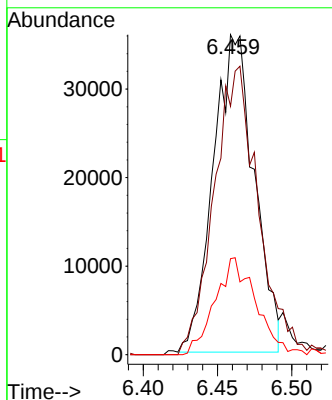
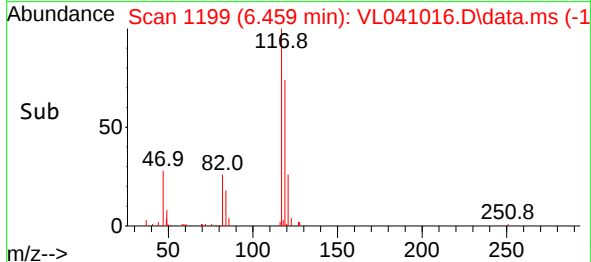
Instrument : MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT1-2024



Tgt Ion: 117 Resp: 69009
Ion Ratio Lower Upper
117 100
119 78.3 76.9 115.3
121 30.3 24.7 37.1

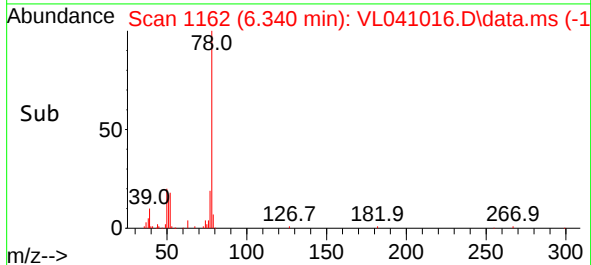
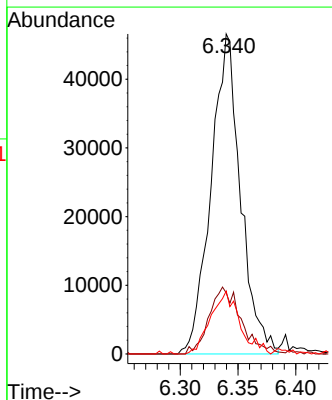
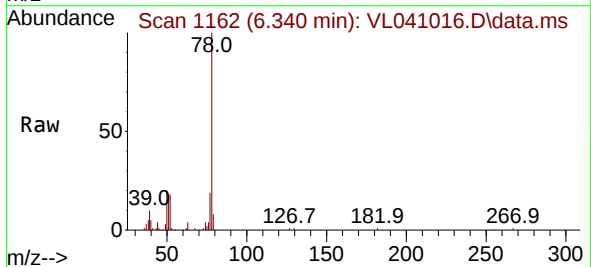
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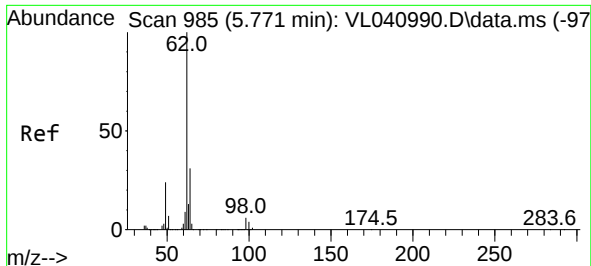
Reviewed By :Mahesh Dadoda 01/25/2024
Supervised By :Semsettin Yesilyurt 01/25/2024



#36
Benzene
Concen: 0.384 ppbv
RT: 6.340 min Scan# 1162
Delta R.T. 0.006 min
Lab File: VL041016.D
Acq: 24 Jan 2024 15:08

Tgt Ion: 78 Resp: 83092
Ion Ratio Lower Upper
78 100
77 19.1 19.0 28.4
50 19.7 15.8 23.6





#37

1,2-Dichloroethane

Concen: 0.411 ppbv

RT: 5.777 min Scan# 985

Delta R.T. 0.003 min

Lab File: VL041016.D

Acq: 24 Jan 2024 15:08

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT1-2024

Tgt Ion: 62 Resp: 5428

Ion Ratio Lower Upper

62 100

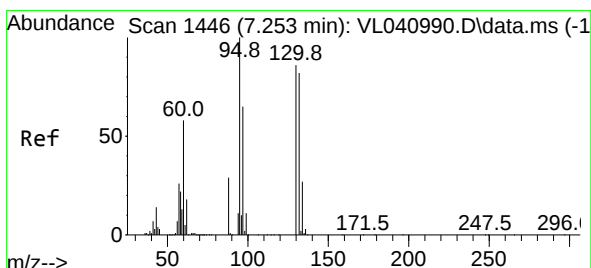
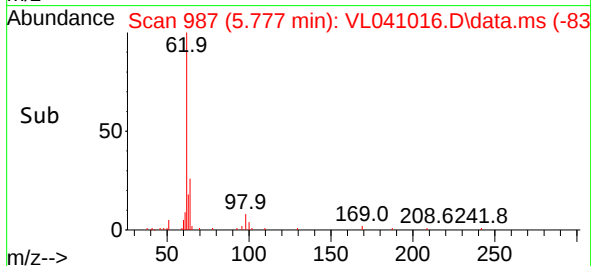
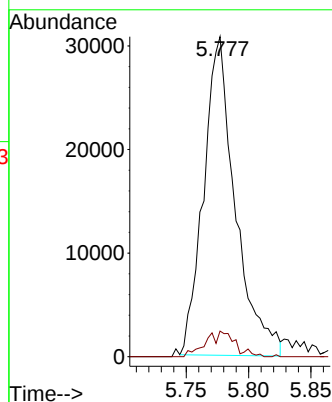
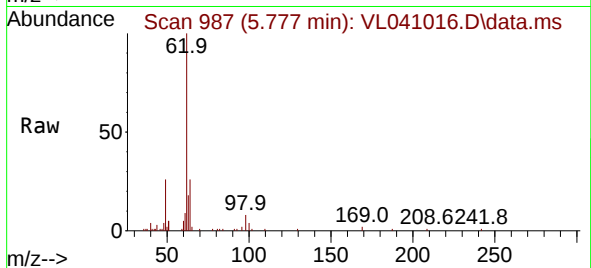
98 7.6 4.7 7.1

Manual Integrations

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Reviewed By :Mahesh Dadoda 01/25/2024

Supervised By :Semsettin Yesilyurt 01/25/2024



#38

Trichloroethene

Concen: 0.354 ppbv m

RT: 7.253 min Scan# 1446

Delta R.T. 0.000 min

Lab File: VL041016.D

Acq: 24 Jan 2024 15:08

Tgt Ion:130 Resp: 30760

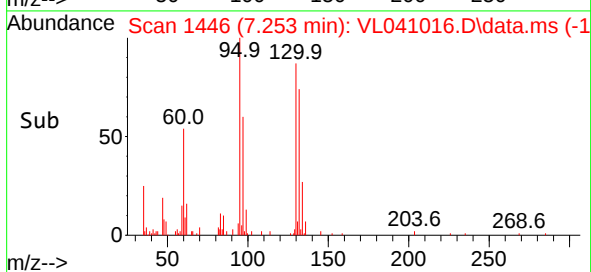
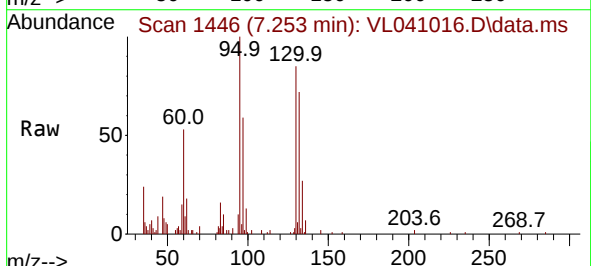
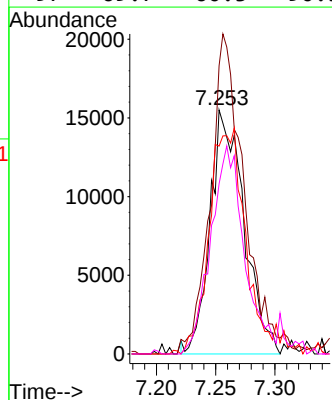
Ion Ratio Lower Upper

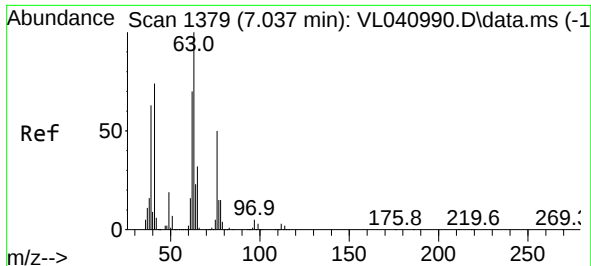
130 100

95 118.1 92.9 139.3

132 85.2 76.2 114.2

97 69.7 60.3 90.5





#39

1,2-Dichloropropane

Concen: 0.400 ppbv m

RT: 7.044 min Scan# 1457

Delta R.T. 0.006 min

Lab File: VL041016.D

Acq: 24 Jan 2024 15:08

Instrument :

MSVOA_L

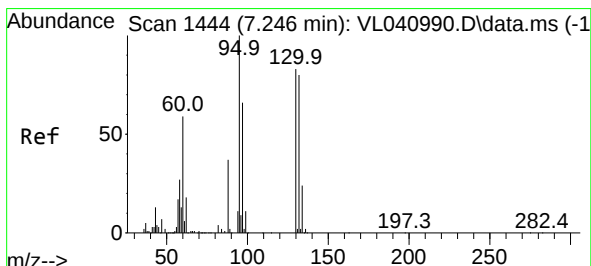
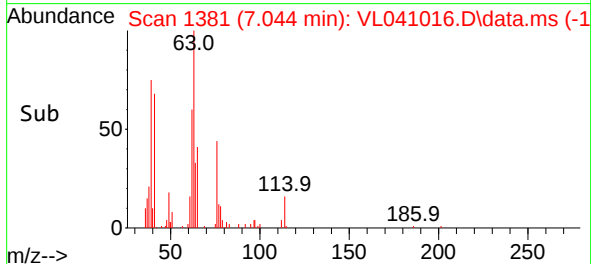
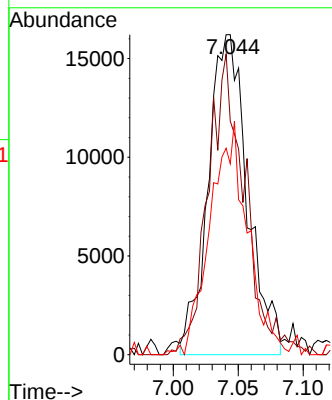
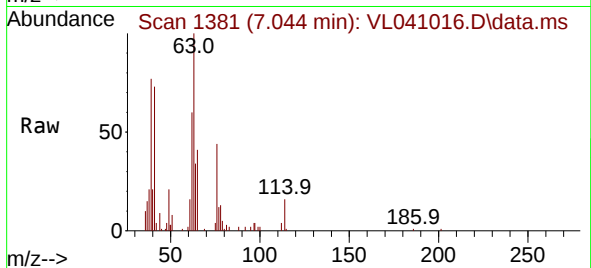
ClientSampleId :

LOD-MDL-AIR-01-QT1-2024

Tgt Ion: 63	Resp: 34130
Ion Ratio	Lower Upper
63 100	
41 73.0	59.6 89.4
62 59.7	55.6 83.4

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Reviewed By :Mahesh Dadoda 01/25/2024
Supervised By :Semsettin Yesilyurt 01/25/2024



#40

1,4-Dioxane

Concen: 0.371 ppbv m

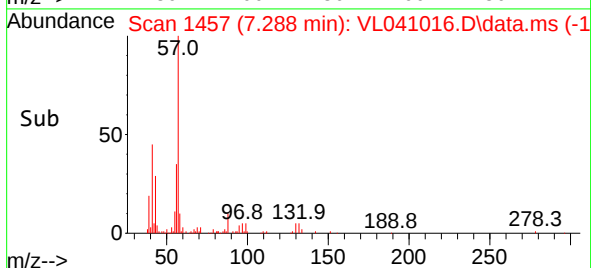
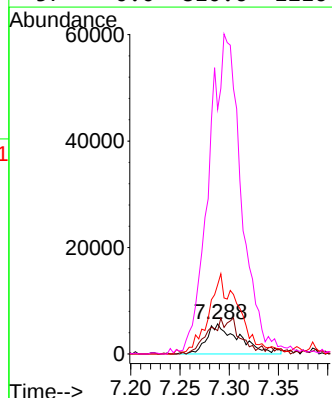
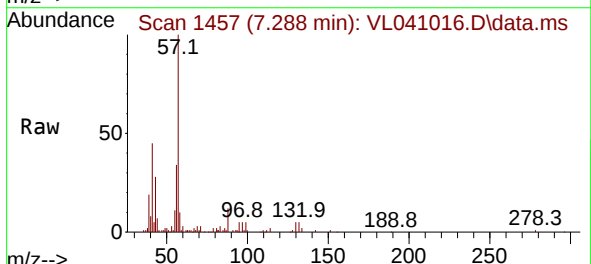
RT: 7.288 min Scan# 1457

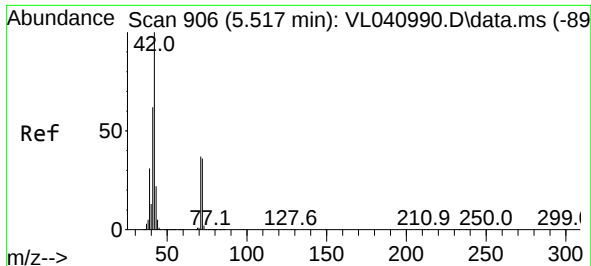
Delta R.T. 0.039 min

Lab File: VL041016.D

Acq: 24 Jan 2024 15:08

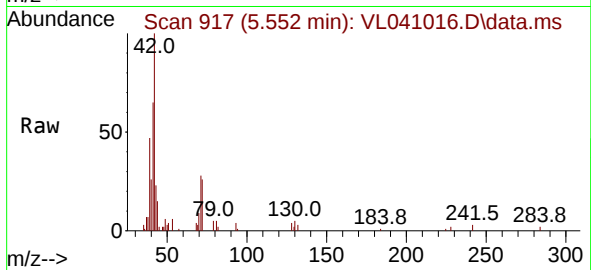
Tgt Ion: 88	Resp: 13154
Ion Ratio	Lower Upper
88 100	
58 0.0	96.6 144.8#
43 0.0	191.0 286.6#
57 0.0	810.6 1216.0#





#41
Tetrahydrofuran
Concen: 0.311 ppbv
RT: 5.552 min Scan# 917
Delta R.T. 0.032 min
Lab File: VL041016.D
Acq: 24 Jan 2024 15:08

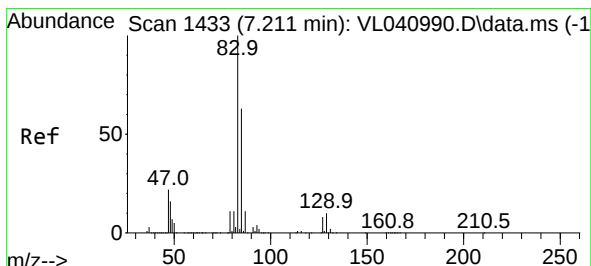
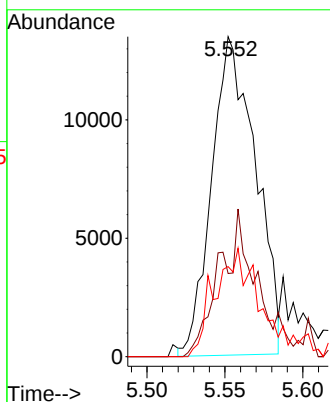
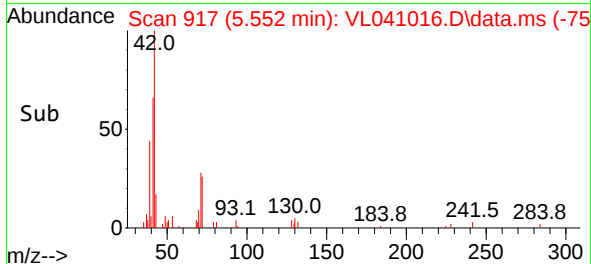
Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT1-2024



Tgt Ion: 42 Resp: 2636
Ion Ratio Lower Upper
42 100
72 42.0 30.0 45.0
71 36.9 29.5 44.3

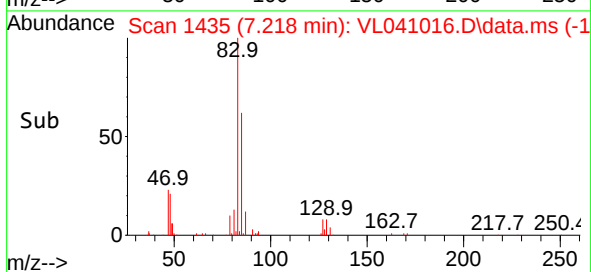
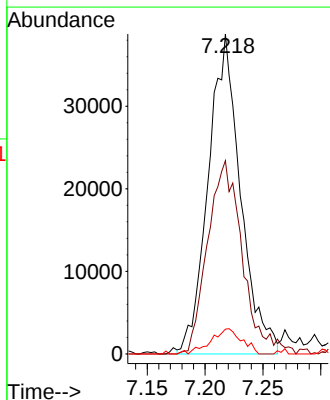
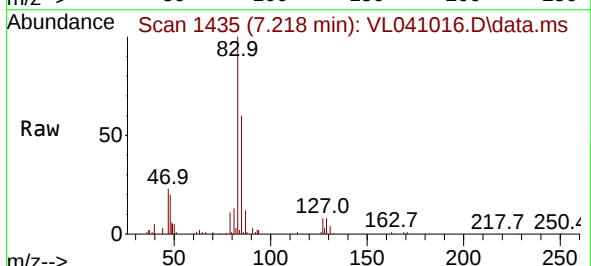
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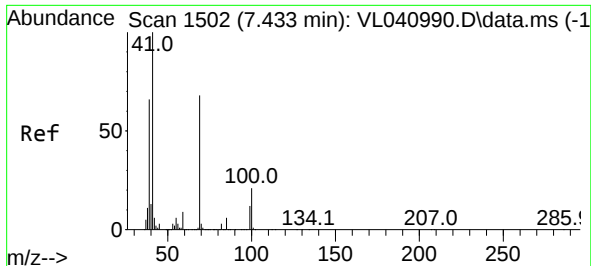
Reviewed By :Mahesh Dadoda 01/25/2024
Supervised By :Semsettin Yesilyurt 01/25/2024



#42
Bromodichloromethane
Concen: 0.398 ppbv m
RT: 7.218 min Scan# 1435
Delta R.T. 0.003 min
Lab File: VL041016.D
Acq: 24 Jan 2024 15:08

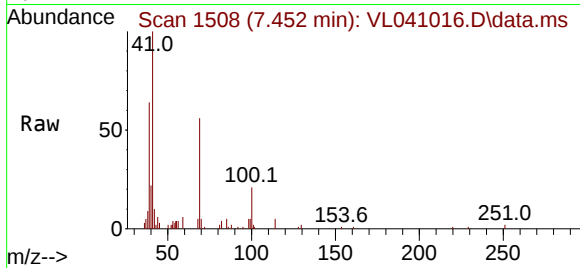
Tgt Ion: 83 Resp: 75306
Ion Ratio Lower Upper
83 100
85 60.4 50.5 75.7
127 7.8 6.4 9.6





#43
Methyl Methacrylate
Concen: 0.276 ppbv
RT: 7.452 min Scan# 1508
Delta R.T. 0.013 min
Lab File: VL041016.D
Acq: 24 Jan 2024 15:08

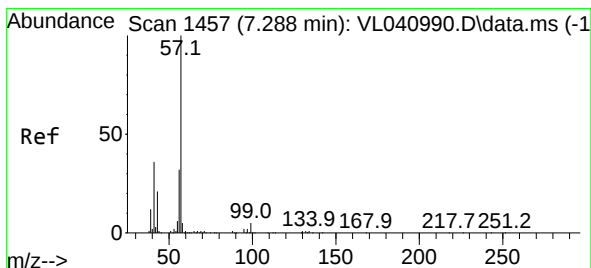
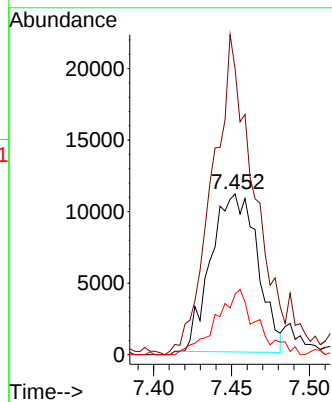
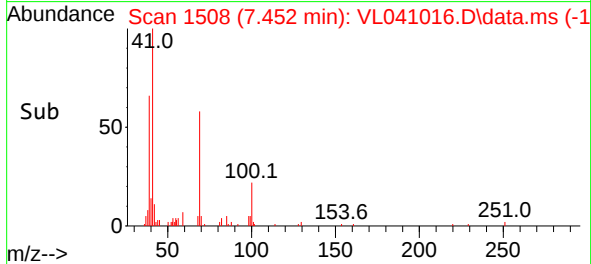
Instrument : MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT1-2024



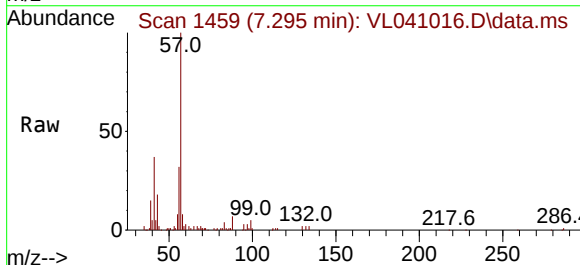
Tgt Ion: 69 Resp: 23028
Ion Ratio Lower Upper
69 100
41 191.1 120.2 180.2
100 36.0 24.6 36.8

Manual Integrations
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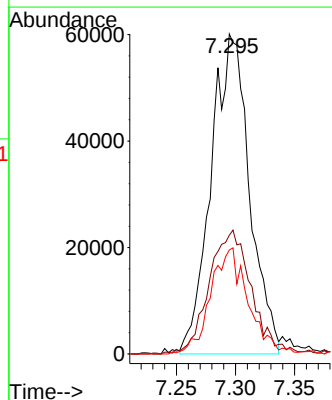
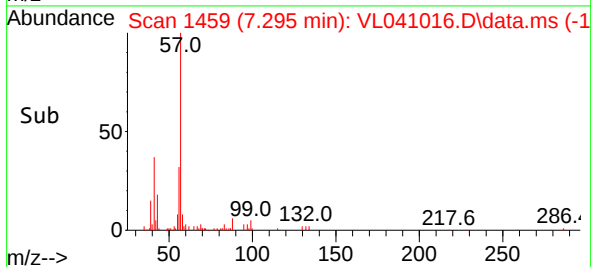
Reviewed By :Mahesh Dadoda 01/25/2024
Supervised By :Semsettin Yesilyurt 01/25/2024

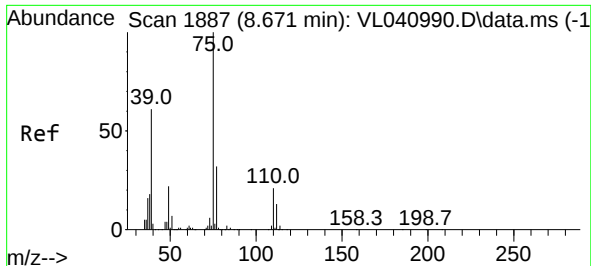


#44
2,2,4-Trimethylpentane
Concen: 0.374 ppbv m
RT: 7.295 min Scan# 1459
Delta R.T. 0.003 min
Lab File: VL041016.D
Acq: 24 Jan 2024 15:08



Tgt Ion: 57 Resp: 136260
Ion Ratio Lower Upper
57 100
41 42.5 28.6 43.0
56 32.9 25.2 37.8





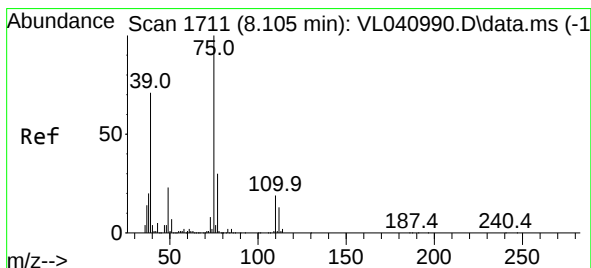
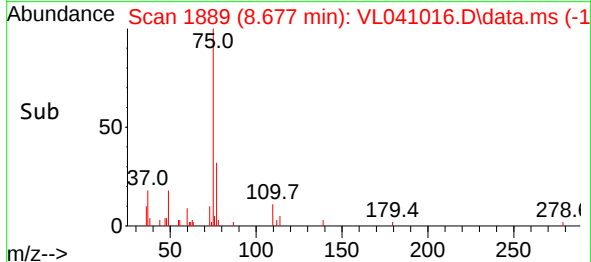
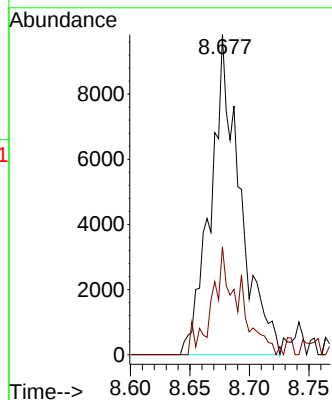
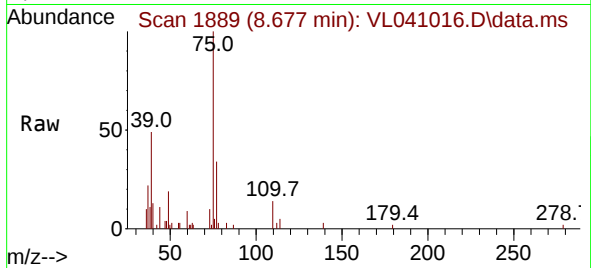
#45
 t-1,3-Dichloropropene
 Concen: 0.297 ppbv m
 RT: 8.677 min Scan# 11
 Delta R.T. 0.003 min
 Lab File: VL041016.D
 Acq: 24 Jan 2024 15:08

Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT1-2024

Tgt Ion: 75 Resp: 1692
 Ion Ratio Lower Upper
 75 100
 77 33.7 25.3 37.9

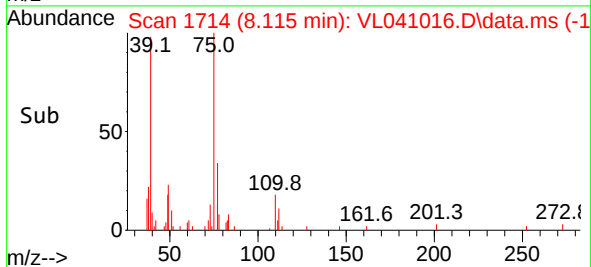
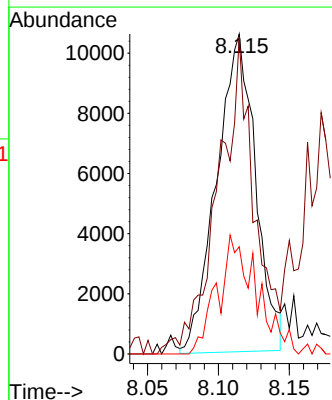
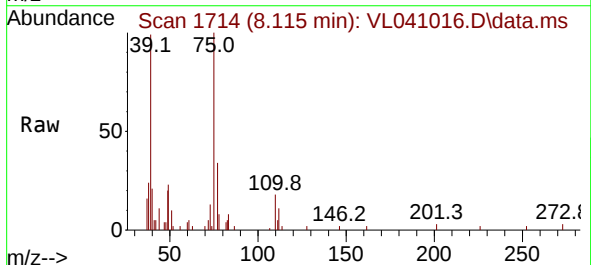
Manual Integrations
 APPROVED

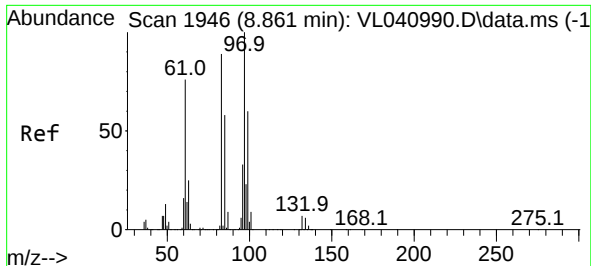
Reviewed By :Mahesh Dadoda 01/25/2024
 Supervised By :Semsettin Yesilyurt 01/25/2024



#46
 cis-1,3-Dichloropropene
 Concen: 0.284 ppbv
 RT: 8.115 min Scan# 1714
 Delta R.T. 0.010 min
 Lab File: VL041016.D
 Acq: 24 Jan 2024 15:08

Tgt Ion: 75 Resp: 20190
 Ion Ratio Lower Upper
 75 100
 39 98.0 57.3 85.9#
 77 34.1 24.3 36.5





#47

1,1,2-Trichloroethane

Concen: 0.356 ppbv

RT: 8.867 min Scan# 1946

Delta R.T. 0.006 min

Lab File: VL041016.D

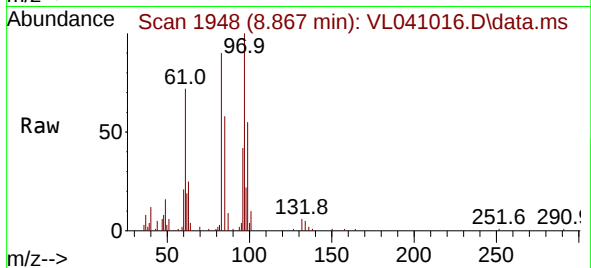
Acq: 24 Jan 2024 15:08

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT1-2024

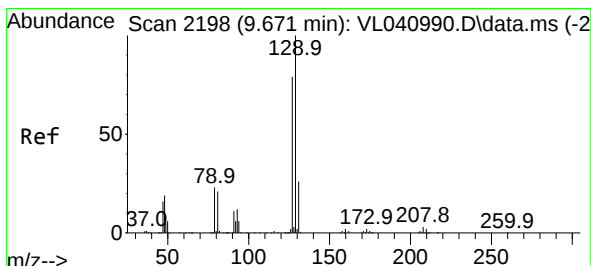
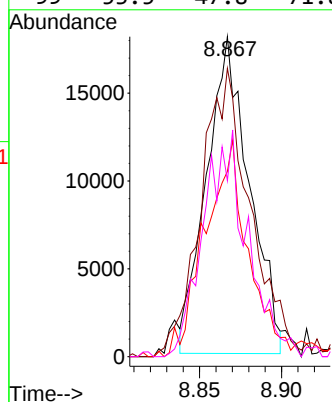


Tgt Ion:	97	Resp:	3274
Ion	Ratio	Lower	Upper
97	100		
83	83.9	71.5	107.3
85	58.8	46.1	69.1
99	53.5	47.8	71.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 01/25/2024
Supervised By :Semsettin Yesilyurt 01/25/2024



#48

Dibromochloromethane

Concen: 0.331 ppbv

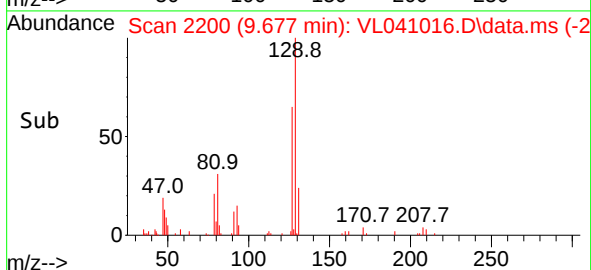
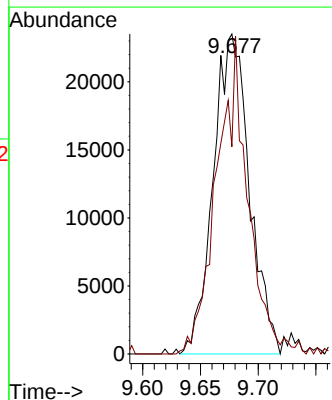
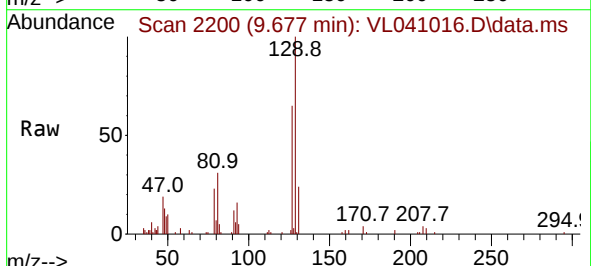
RT: 9.677 min Scan# 2200

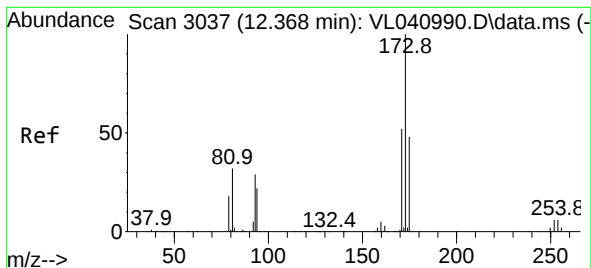
Delta R.T. 0.006 min

Lab File: VL041016.D

Acq: 24 Jan 2024 15:08

Tgt Ion:	129	Resp:	51418
Ion	Ratio	Lower	Upper
129	100		
127	84.9	39.6	119.0





#49

Bromoform

Concen: 0.326 ppbv m

RT: 12.368 min Scan# 3037

Delta R.T. -0.003 min

Lab File: VL041016.D

Acq: 24 Jan 2024 15:08

Instrument :

MSVOA_L

ClientSampleId :

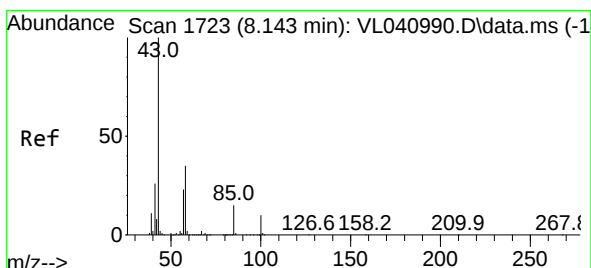
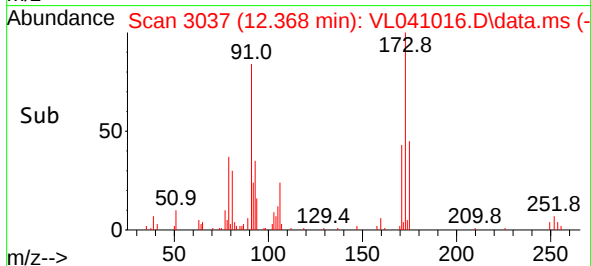
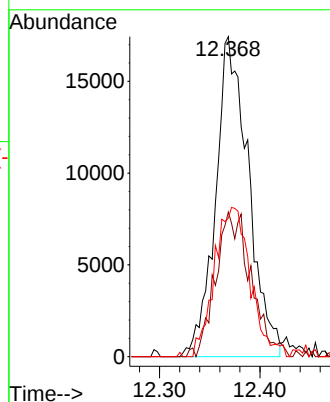
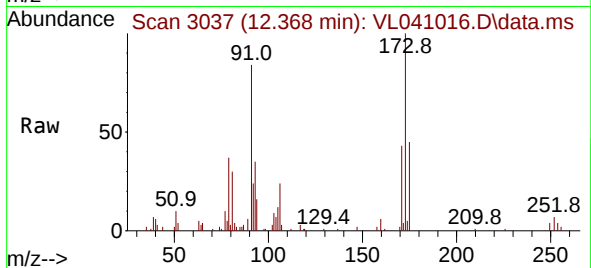
LOD-MDL-AIR-01-QT1-2024

Tgt Ion:	173	Resp:	3973
Ion Ratio	Lower	Upper	
173	100		
175	0.0	39.0	58.4
171	0.0	42.0	63.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 01/25/2024
Supervised By :Semsettin Yesilyurt 01/25/2024



#50

4-Methyl-2-Pentanone

Concen: 0.325 ppbv m

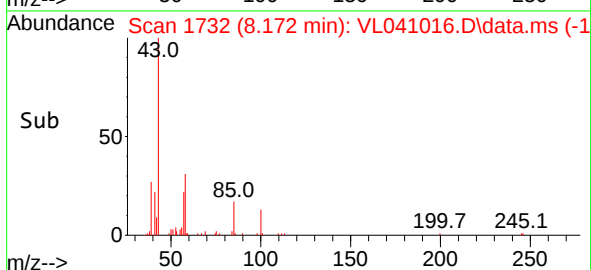
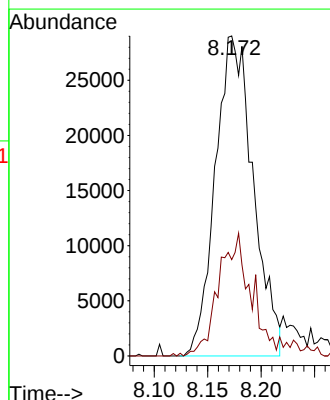
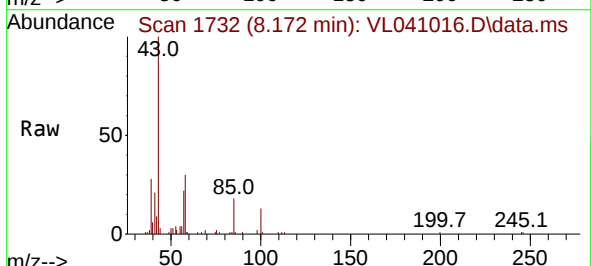
RT: 8.172 min Scan# 1732

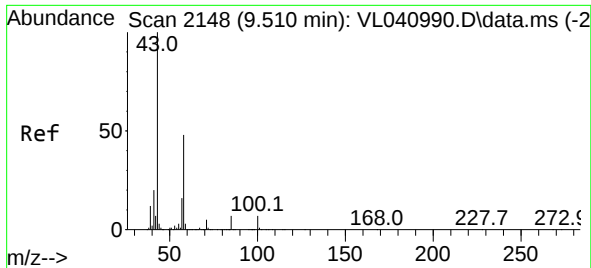
Delta R.T. 0.029 min

Lab File: VL041016.D

Acq: 24 Jan 2024 15:08

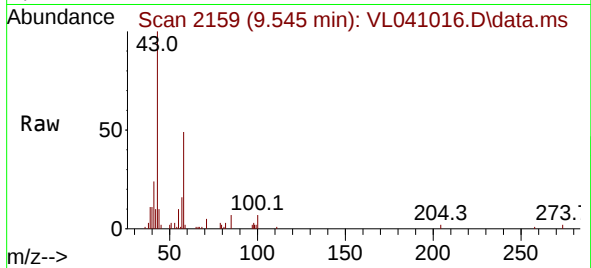
Tgt Ion:	43	Resp:	71517
Ion Ratio	Lower	Upper	
43	100		
58	0.0	27.8	41.8





#51
2-Hexanone
Concen: 0.268 ppbv m
RT: 9.545 min Scan# 2148
Delta R.T. 0.032 min
Lab File: VL041016.D
Acq: 24 Jan 2024 15:08

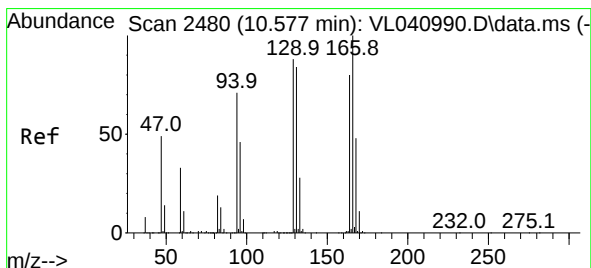
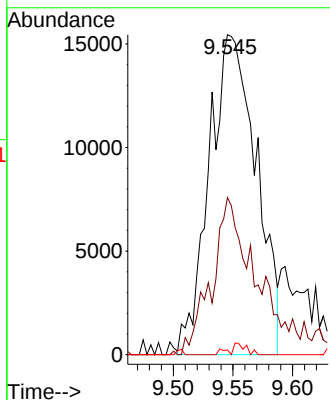
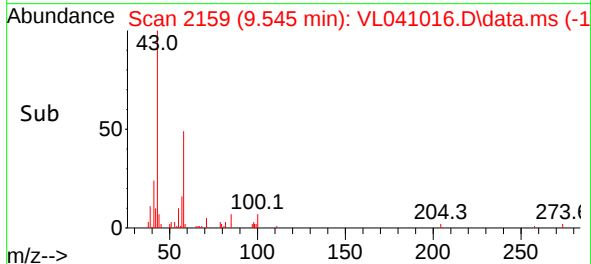
Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT1-2024



Tgt Ion: 43 Resp: 4244
Ion Ratio Lower Upper
43 100
58 0.0 36.8 55.2
98 0.0 0.3 0.5

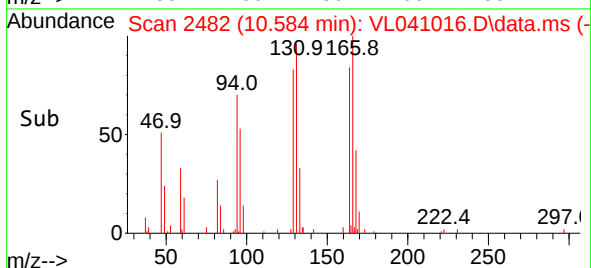
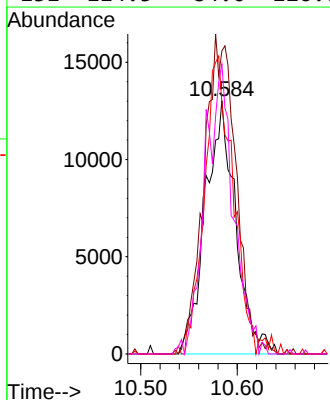
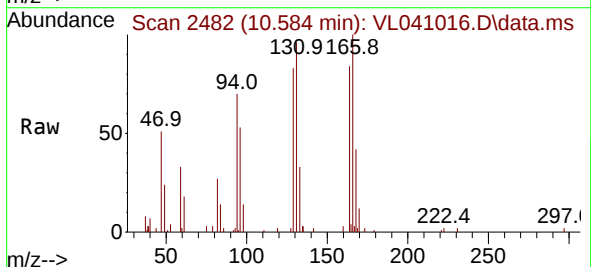
Manual Integrations
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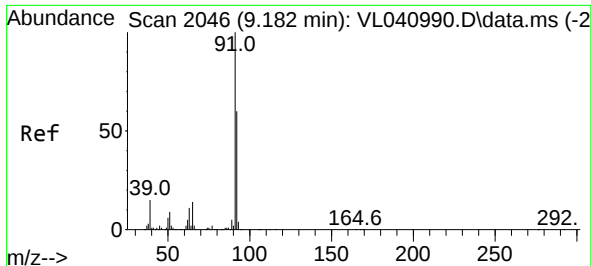
Reviewed By :Mahesh Dadoda 01/25/2024
Supervised By :Semsettin Yesilyurt 01/25/2024



#52
Tetrachloroethene
Concen: 0.397 ppbv m
RT: 10.584 min Scan# 2482
Delta R.T. 0.010 min
Lab File: VL041016.D
Acq: 24 Jan 2024 15:08

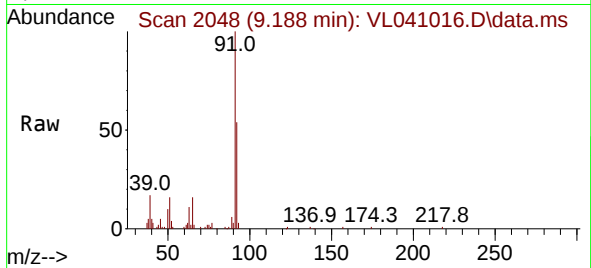
Tgt Ion:164 Resp: 28533
Ion Ratio Lower Upper
164 100
166 119.6 100.2 150.2
129 99.2 87.9 131.9
131 114.5 84.0 126.0





#53
Toluene
Concen: 0.310 ppbv
RT: 9.188 min Scan# 2046
Delta R.T. 0.006 min
Lab File: VL041016.D
Acq: 24 Jan 2024 15:08

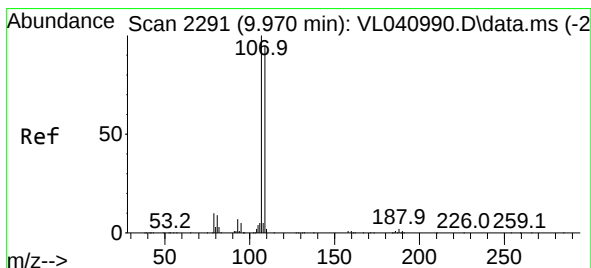
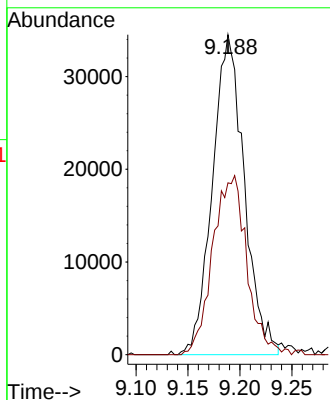
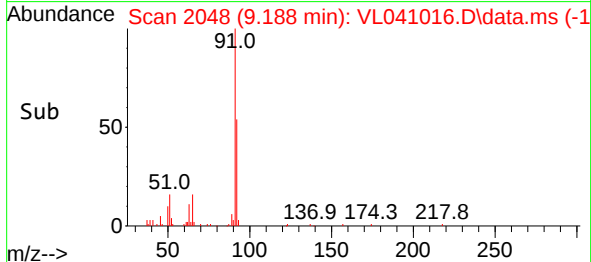
Instrument : MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT1-2024



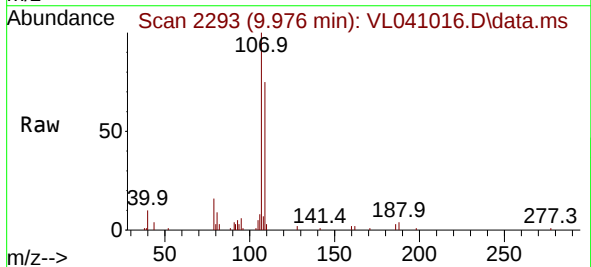
Tgt Ion: 91 Resp: 7349
Ion Ratio Lower Upper
91 100
92 59.8 48.6 72.8

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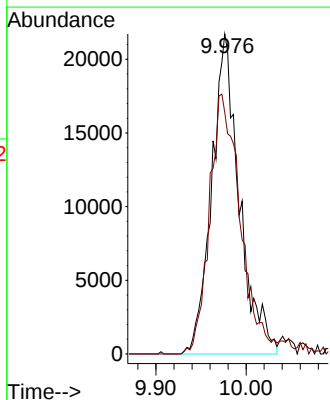
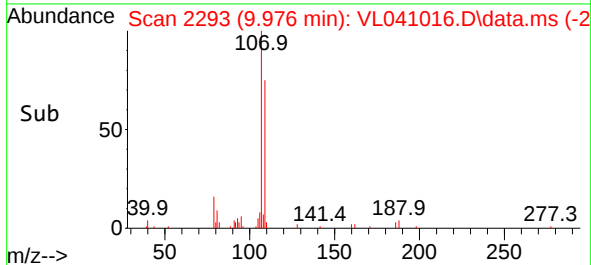
Reviewed By :Mahesh Dadoda 01/25/2024
Supervised By :Semsettin Yesilyurt 01/25/2024

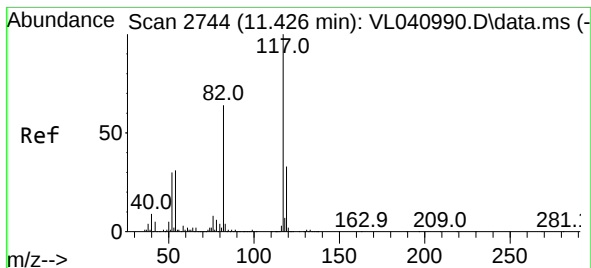


#54
1,2-Dibromoethane
Concen: 0.371 ppbv m
RT: 9.976 min Scan# 2293
Delta R.T. 0.003 min
Lab File: VL041016.D
Acq: 24 Jan 2024 15:08



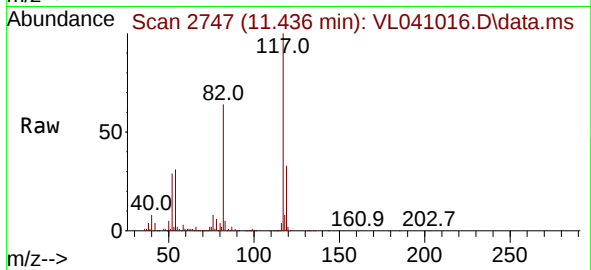
Tgt Ion:107 Resp: 46122
Ion Ratio Lower Upper
107 100
109 75.5 76.1 114.1#





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.436 min Scan# 21
Delta R.T. 0.006 min
Lab File: VL041016.D
Acq: 24 Jan 2024 15:08

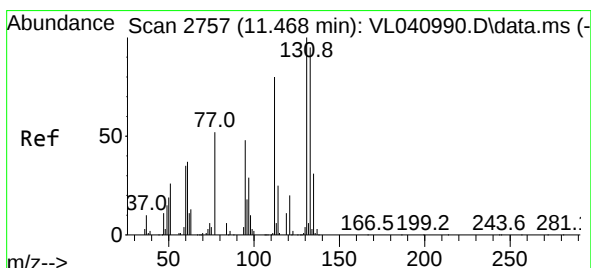
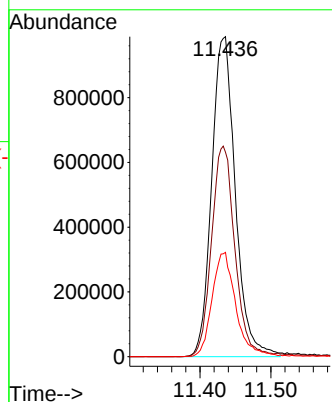
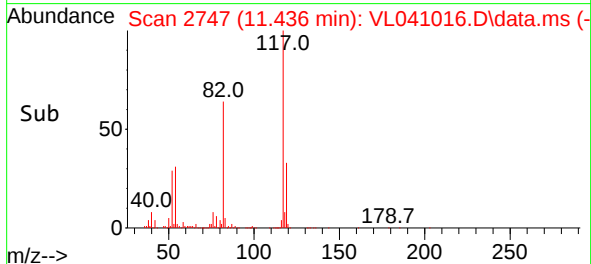
Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT1-2024



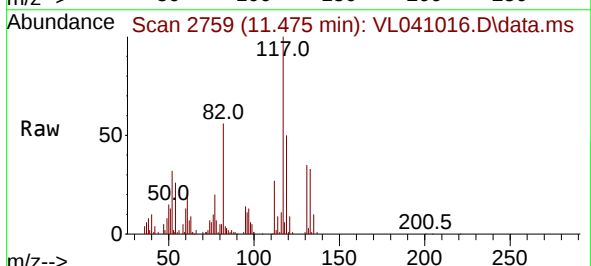
Tgt Ion:117 Resp: 229213
Ion Ratio Lower Upper
117 100
82 66.2 51.7 77.5
119 33.1 23.8 35.6

Manual Integrations
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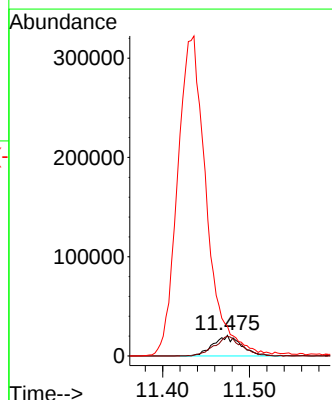
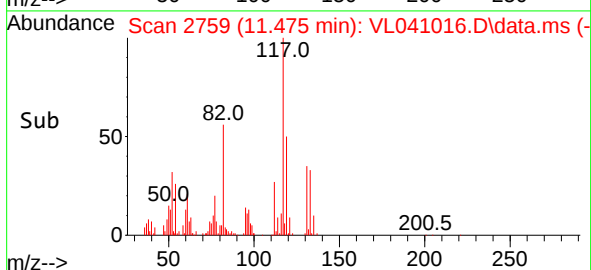
Reviewed By :Mahesh Dadoda 01/25/2024
Supervised By :Semsettin Yesilyurt 01/25/2024

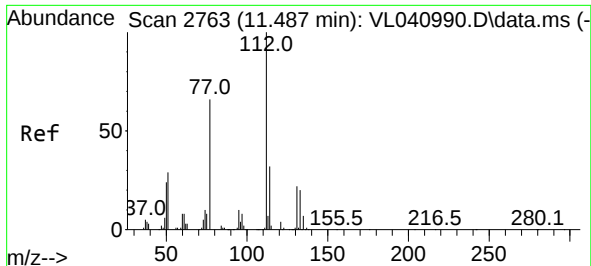


#56
1,1,1,2-Tetrachloroethane
Concen: 0.415 ppbv m
RT: 11.475 min Scan# 2759
Delta R.T. 0.006 min
Lab File: VL041016.D
Acq: 24 Jan 2024 15:08



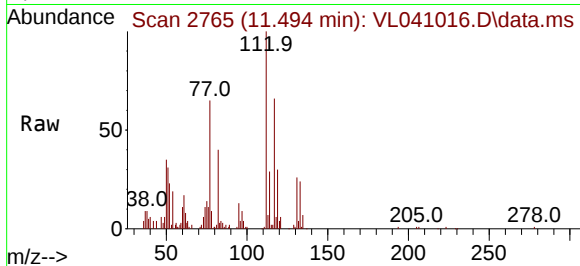
Tgt Ion:131 Resp: 45590
Ion Ratio Lower Upper
131 100
133 95.2 75.9 113.9
119 0.0 49.2 73.8#





#57
Chlorobenzene
Concen: 0.421 ppbv m
RT: 11.494 min Scan# 21
Delta R.T. 0.006 min
Lab File: VL041016.D
Acq: 24 Jan 2024 15:08

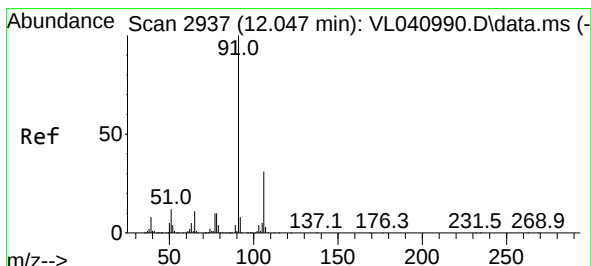
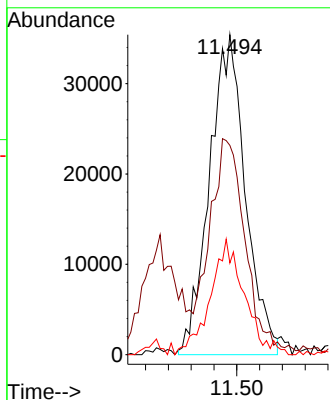
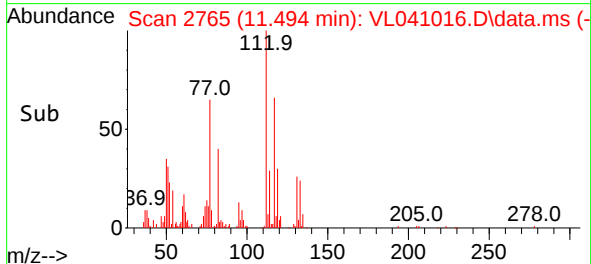
Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT1-2024



Tgt Ion:112 Resp: 77624
Ion Ratio Lower Upper
112 100
77 65.4 53.4 80.0
114 28.6 29.1 35.5

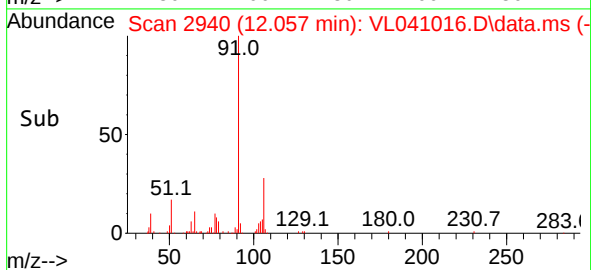
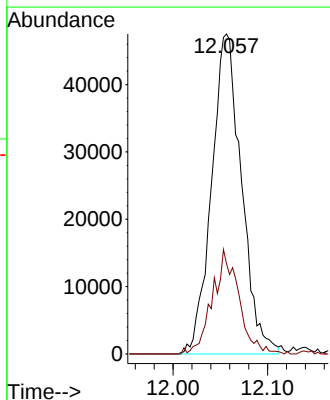
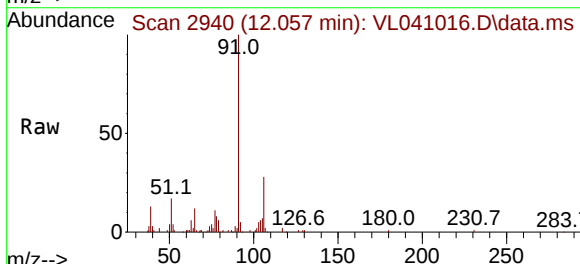
Manual Integrations
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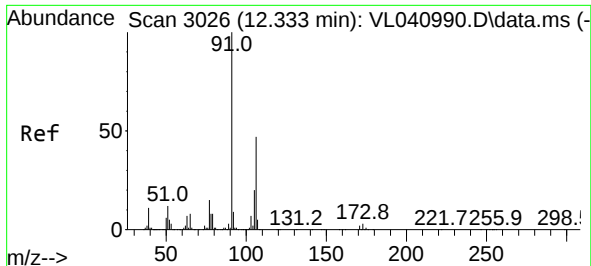
Reviewed By :Mahesh Dadoda 01/25/2024
Supervised By :Semsettin Yesilyurt 01/25/2024



#58
Ethyl Benzene
Concen: 0.339 ppbv
RT: 12.057 min Scan# 2940
Delta R.T. 0.006 min
Lab File: VL041016.D
Acq: 24 Jan 2024 15:08

Tgt Ion: 91 Resp: 104378
Ion Ratio Lower Upper
91 100
106 30.4 24.8 37.2





#59

m/p-Xylene

Concen: 0.717 ppbv m

RT: 12.336 min Scan# 3026

Delta R.T. 0.003 min

Lab File: VL041016.D

Acq: 24 Jan 2024 15:08

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT1-2024

Tgt Ion: 91 Resp: 192480

Ion Ratio Lower Upper

91 100

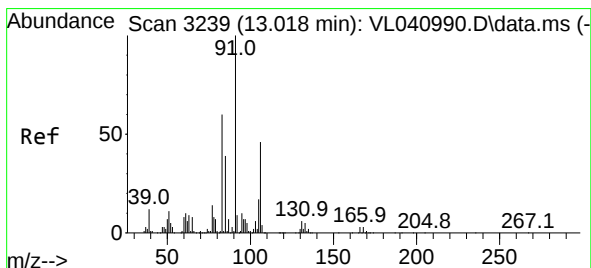
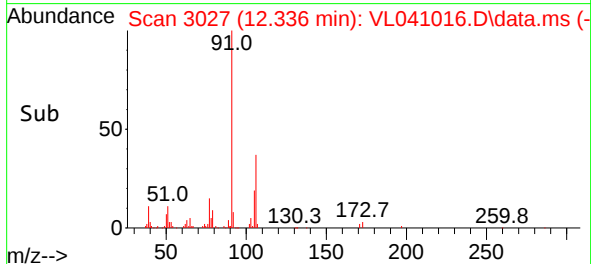
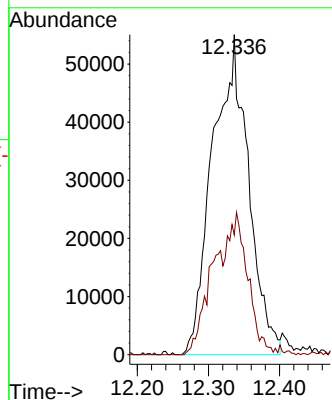
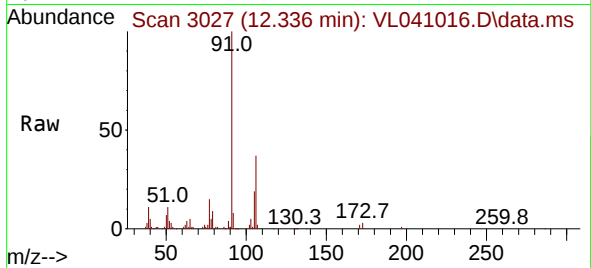
106 41.7 34.9 52.3

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 01/25/2024

Supervised By :Semsettin Yesilyurt 01/25/2024



#60

o-Xylene

Concen: 0.358 ppbv

RT: 13.024 min Scan# 3241

Delta R.T. 0.000 min

Lab File: VL041016.D

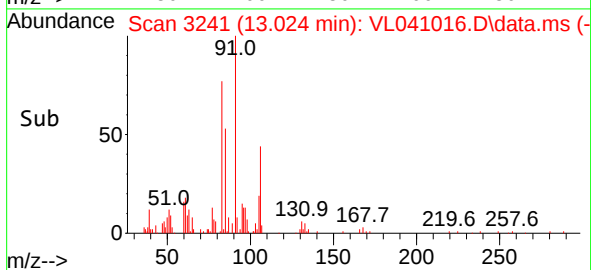
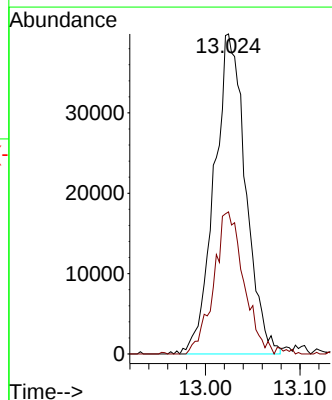
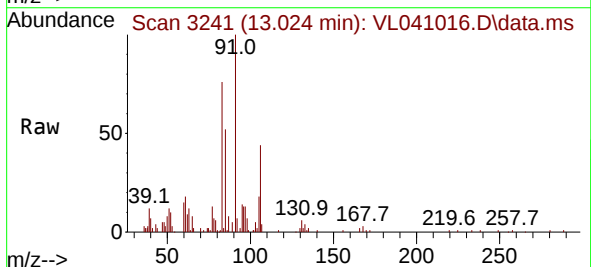
Acq: 24 Jan 2024 15:08

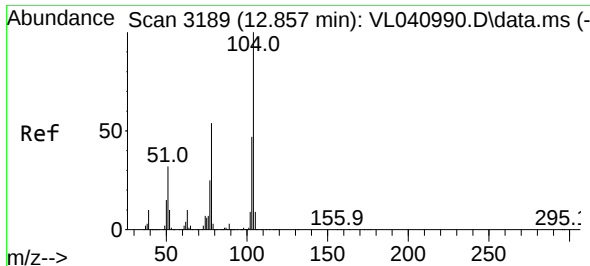
Tgt Ion: 91 Resp: 92057

Ion Ratio Lower Upper

91 100

106 42.4 22.6 67.7





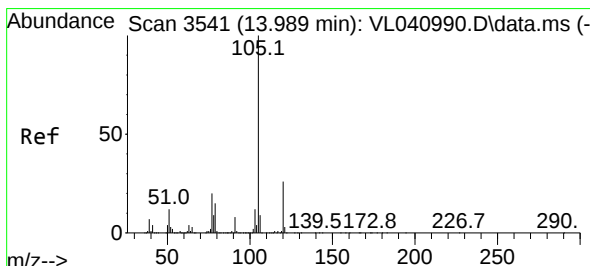
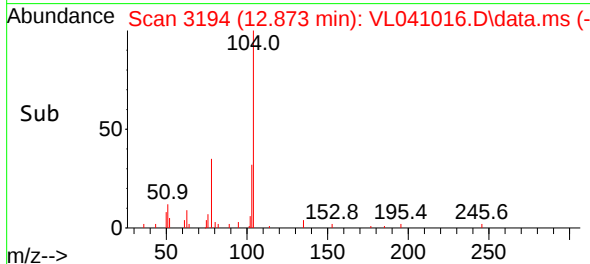
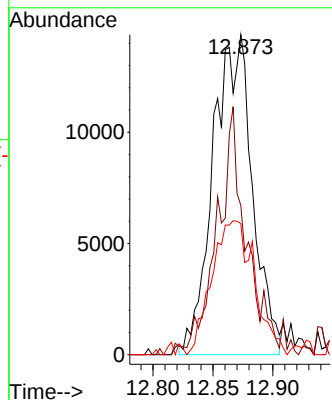
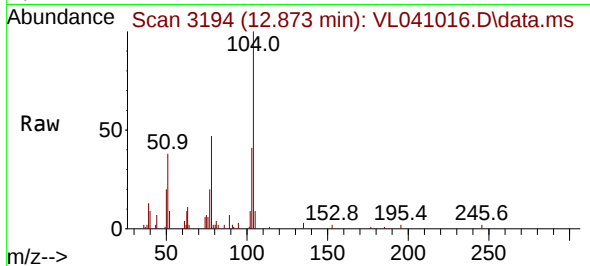
#61
Styrene
Concen: 0.278 ppbv m
RT: 12.873 min Scan# 3189
Delta R.T. 0.013 min
Lab File: VL041016.D
Acq: 24 Jan 2024 15:08

Instrument : MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT1-2024

Tgt Ion:104 Resp: 3292
Ion Ratio Lower Upper
104 100
78 59.1 42.7 64.1
103 46.7 37.6 56.4

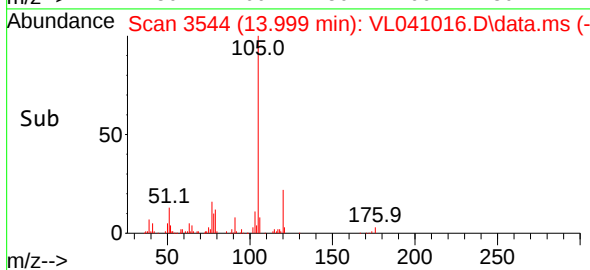
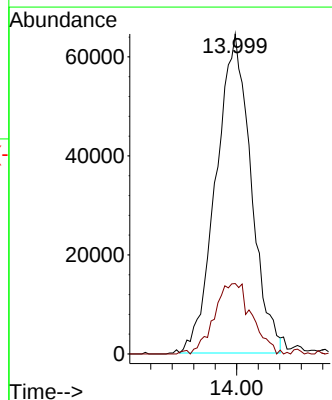
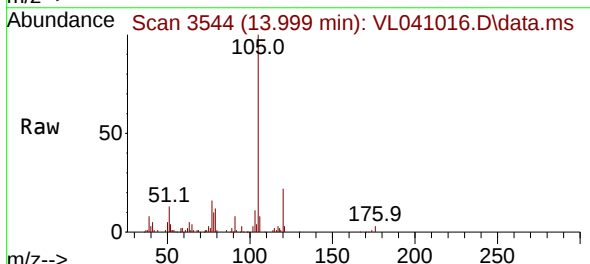
Manual Integrations
APPROVED

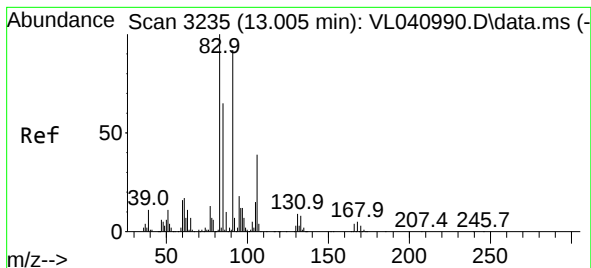
Reviewed By :Mahesh Dadoda 01/25/2024
Supervised By :Semsettin Yesilyurt 01/25/2024



#62
Isopropylbenzene
Concen: 0.382 ppbv
RT: 13.999 min Scan# 3544
Delta R.T. 0.006 min
Lab File: VL041016.D
Acq: 24 Jan 2024 15:08

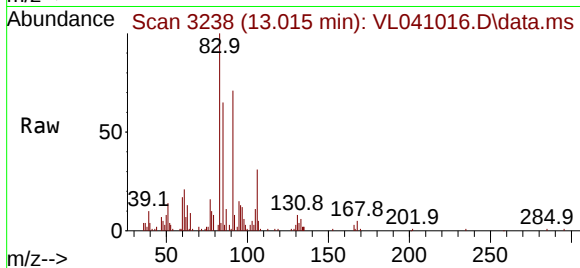
Tgt Ion:105 Resp: 145438
Ion Ratio Lower Upper
105 100
120 24.3 20.9 31.3





#63
1,1,2,2-Tetrachloroethane
Concen: 0.419 ppbv
RT: 13.015 min Scan# 31
Delta R.T. 0.003 min
Lab File: VL041016.D
Acq: 24 Jan 2024 15:08

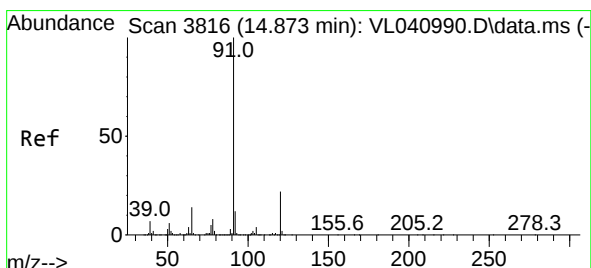
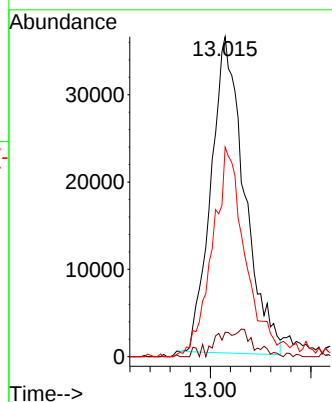
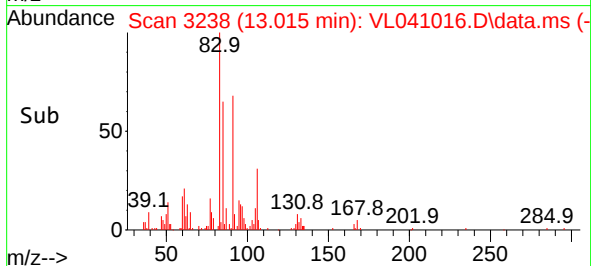
Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT1-2024



Tgt Ion: 83 Resp: 83838
Ion Ratio Lower Upper
83 100
131 10.0 4.6 13.8
85 66.3 33.0 99.0

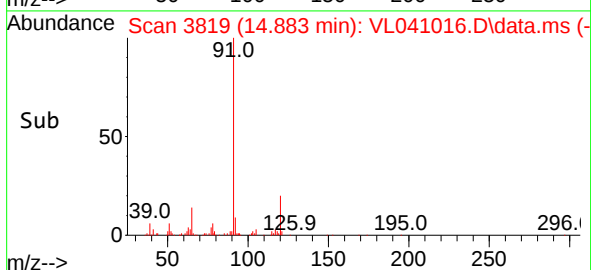
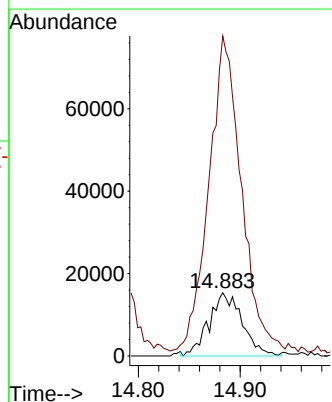
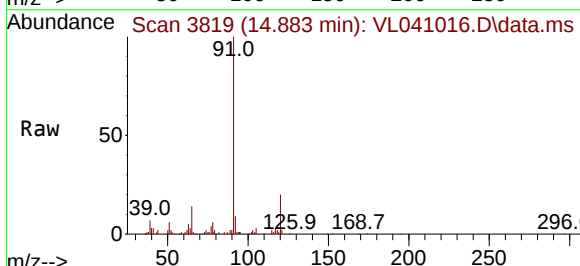
Manual Integrations
APPROVED

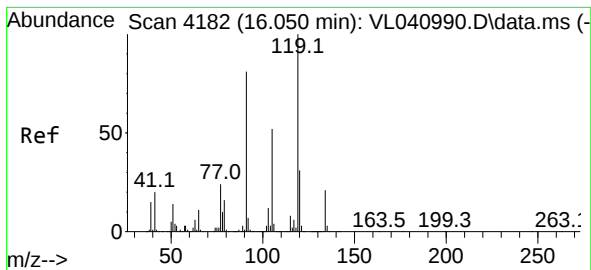
Reviewed By :Mahesh Dadoda 01/25/2024
Supervised By :Semsettin Yesilyurt 01/25/2024



#64
n-propylbenzene
Concen: 0.361 ppbv m
RT: 14.883 min Scan# 3819
Delta R.T. 0.003 min
Lab File: VL041016.D
Acq: 24 Jan 2024 15:08

Tgt Ion:120 Resp: 34725
Ion Ratio Lower Upper
120 100
91 0.0 390.6 585.8#





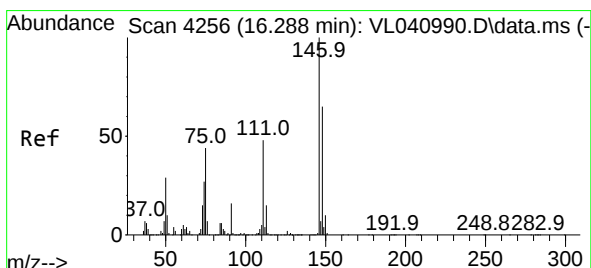
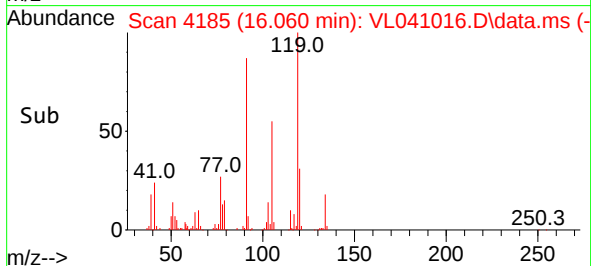
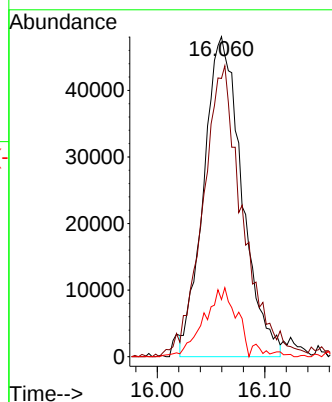
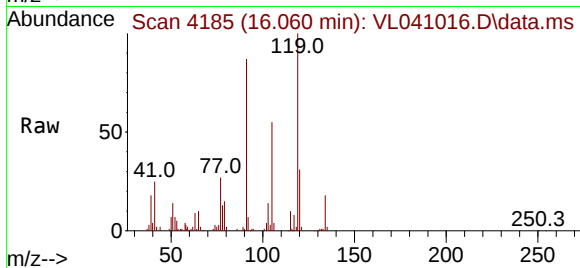
#65
tert-Butylbenzene
Concen: 0.356 ppbv
RT: 16.060 min Scan# 4182
Delta R.T. 0.006 min
Lab File: VL041016.D
Acq: 24 Jan 2024 15:08

Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT1-2024

Tgt Ion: 119 Resp: 118414
Ion Ratio Lower Upper
119 100
91 94.6 67.6 101.4
134 19.8 16.1 24.1

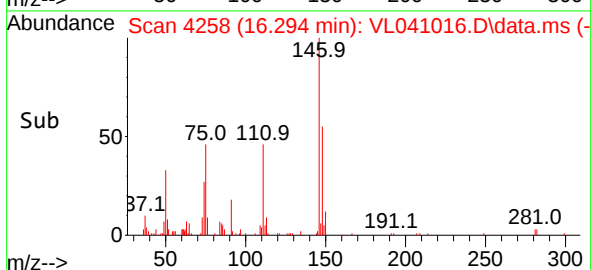
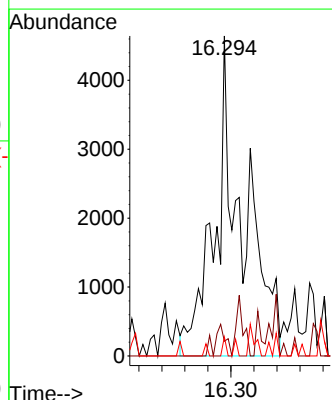
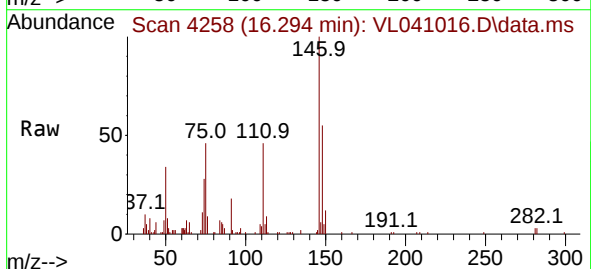
Manual Integrations
APPROVED

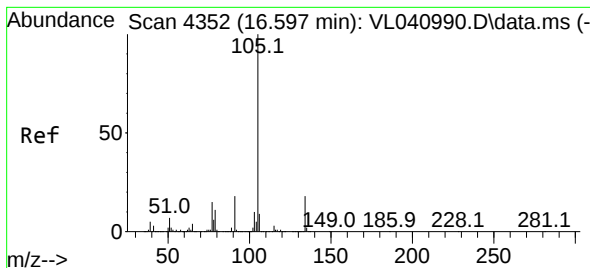
Reviewed By :Mahesh Dadoda 01/25/2024
Supervised By :Semsettin Yesilyurt 01/25/2024



#66
Benzyl Chloride
Concen: 0.355 ppbv m
RT: 16.294 min Scan# 4258
Delta R.T. 0.003 min
Lab File: VL041016.D
Acq: 24 Jan 2024 15:08

Tgt Ion: 91 Resp: 7746
Ion Ratio Lower Upper
91 100
126 8.8 13.6 20.4#
128 4.5 4.2 6.2





#67

sec-Butylbenzene

Concen: 0.351 ppbv

RT: 16.603 min Scan# 41

Delta R.T. 0.006 min

Lab File: VL041016.D

Acq: 24 Jan 2024 15:08

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT1-2024

Tgt Ion:105 Resp: 170040

Ion Ratio Lower Upper

105 100

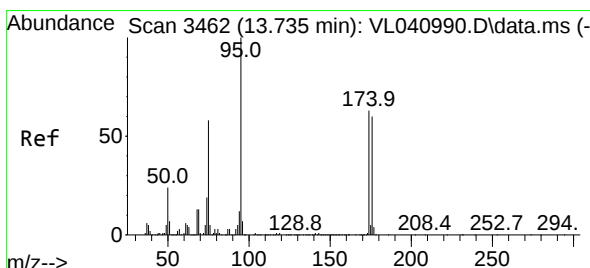
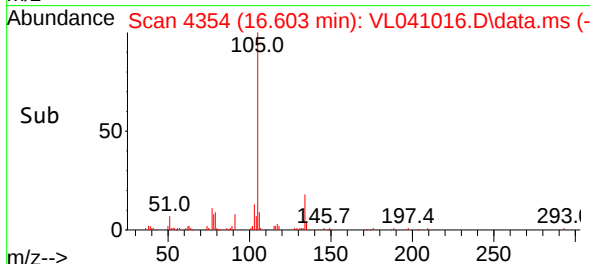
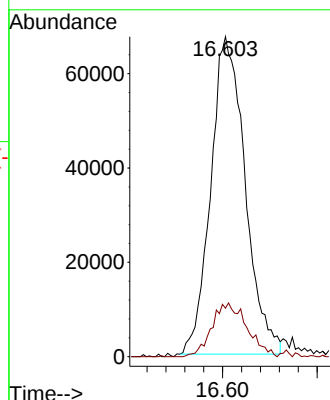
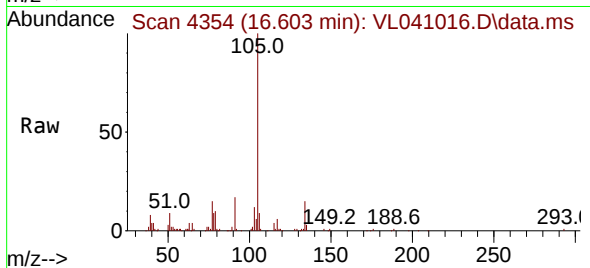
134 17.8 14.2 21.4

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 01/25/2024

Supervised By :Semsettin Yesilyurt 01/25/2024



#68

1-Bromo-4-Fluorobenzene

Concen: 10.195 ppbv

RT: 13.741 min Scan# 3464

Delta R.T. 0.003 min

Lab File: VL041016.D

Acq: 24 Jan 2024 15:08

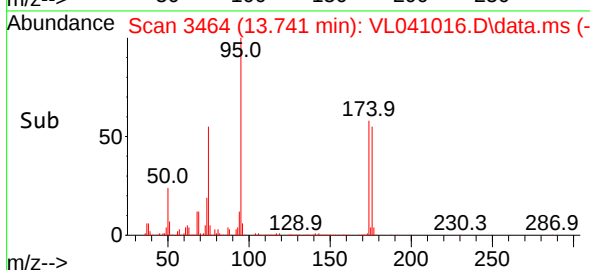
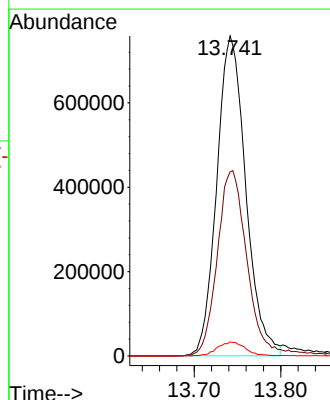
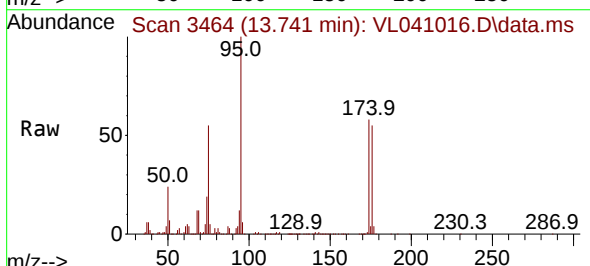
Tgt Ion: 95 Resp: 1764991

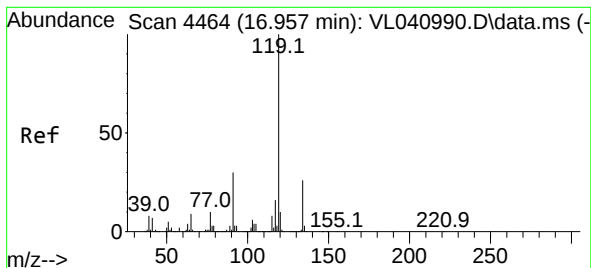
Ion Ratio Lower Upper

95 100

174 60.9 49.1 73.7

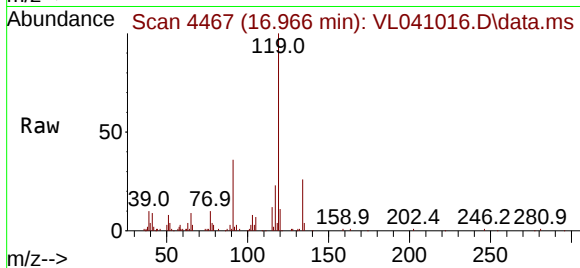
175 4.4 3.7 5.5





#69
p-Isopropyltoluene
Concen: 0.331 ppbv
RT: 16.966 min Scan# 4467
Delta R.T. 0.010 min
Lab File: VL041016.D
Acq: 24 Jan 2024 15:08

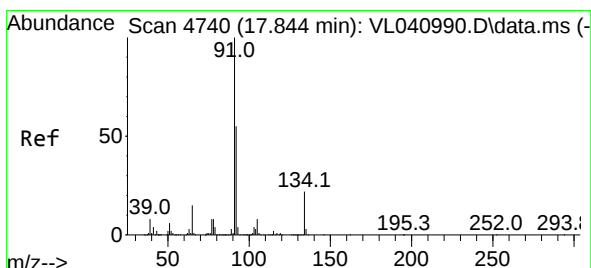
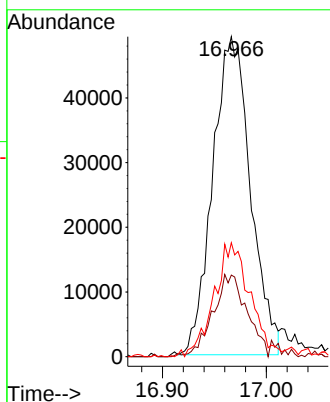
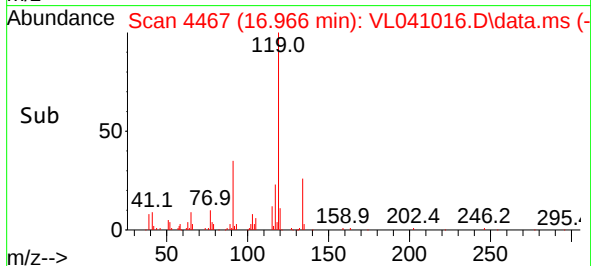
Instrument : MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT1-2024



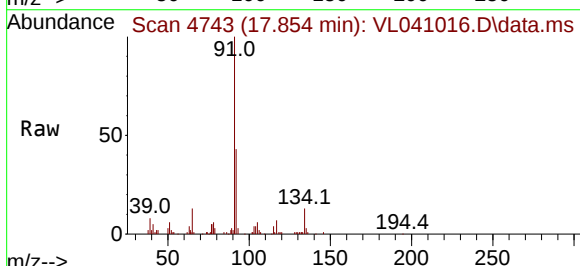
Tgt Ion:119 Resp: 124356
Ion Ratio Lower Upper
119 100
134 25.1 20.6 30.8
91 35.9 24.5 36.7

Manual Integrations
APPROVED

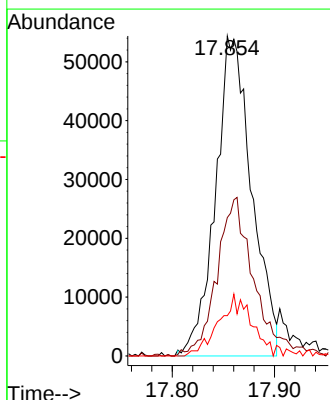
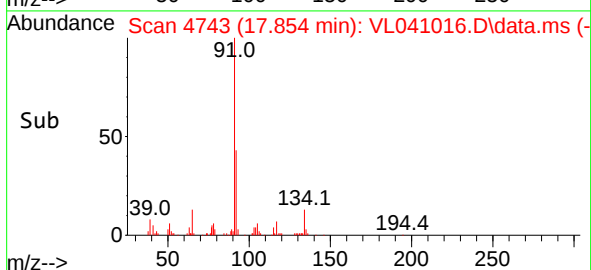
Reviewed By :Mahesh Dadoda 01/25/2024
Supervised By :Semsettin Yesilyurt 01/25/2024

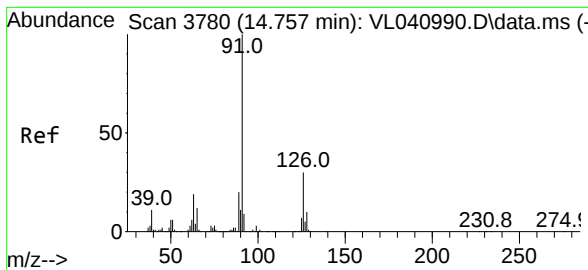


#70
n-Butylbenzene
Concen: 0.330 ppbv m
RT: 17.854 min Scan# 4743
Delta R.T. 0.006 min
Lab File: VL041016.D
Acq: 24 Jan 2024 15:08



Tgt Ion: 91 Resp: 133788
Ion Ratio Lower Upper
91 100
92 0.0 43.4 65.0#
134 0.0 17.4 26.0#





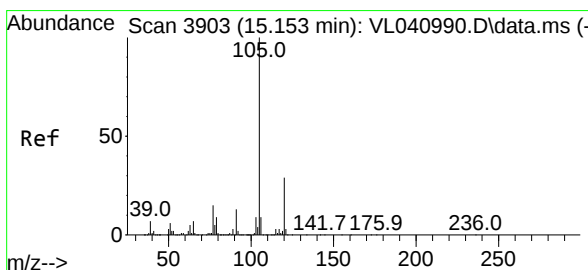
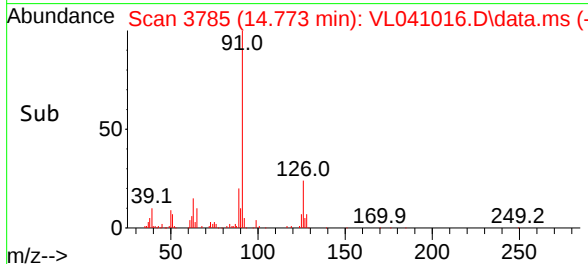
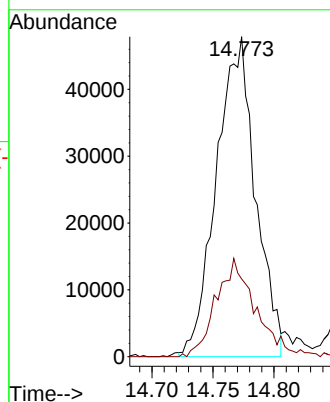
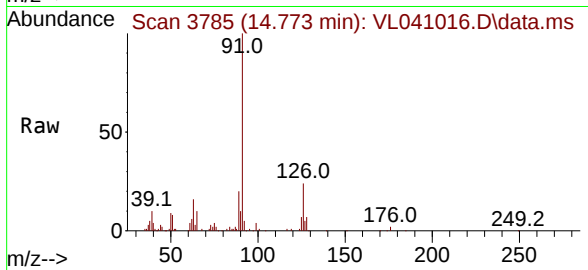
#71
2-Chlorotoluene
Concen: 0.362 ppbv m
RT: 14.773 min Scan# 31
Delta R.T. 0.013 min
Lab File: VL041016.D
Acq: 24 Jan 2024 15:08

Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT1-2024

Tgt Ion: 91 Resp: 106250
Ion Ratio Lower Upper
91 100
126 31.4 12.3 49.1

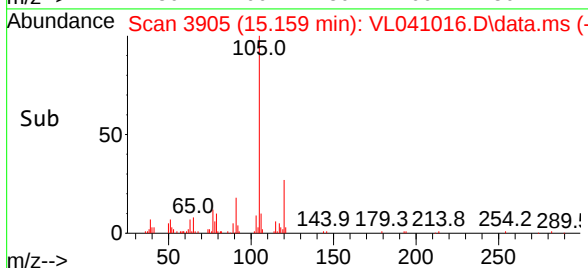
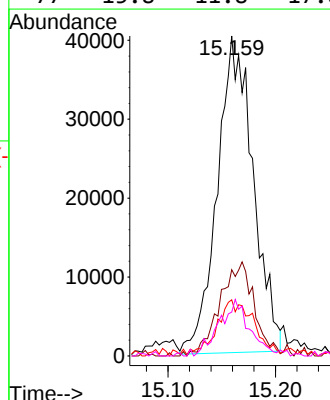
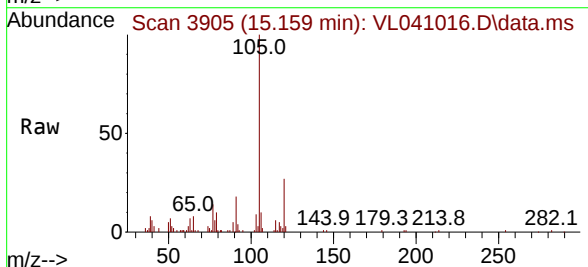
Manual Integrations
APPROVED

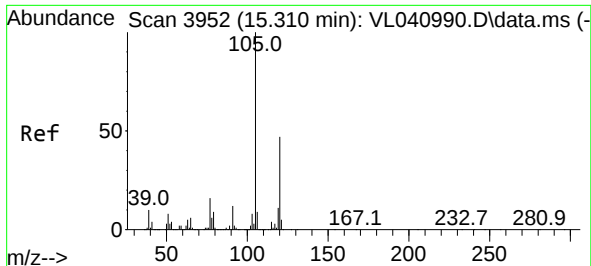
Reviewed By :Mahesh Dadoda 01/25/2024
Supervised By :Semsettin Yesilyurt 01/25/2024



#72
4-Ethyltoluene
Concen: 0.323 ppbv
RT: 15.159 min Scan# 3905
Delta R.T. 0.006 min
Lab File: VL041016.D
Acq: 24 Jan 2024 15:08

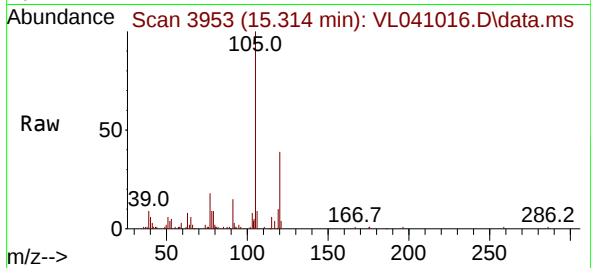
Tgt Ion:105 Resp: 92811
Ion Ratio Lower Upper
105 100
120 29.5 24.3 36.5
91 20.7 11.0 16.4#
77 15.8 11.8 17.8





#73
1,3,5-Trimethylbenzene
Concen: 0.336 ppbv m
RT: 15.314 min Scan# 3952
Delta R.T. 0.000 min
Lab File: VL041016.D
Acq: 24 Jan 2024 15:08

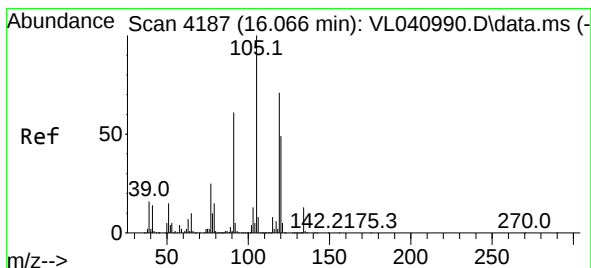
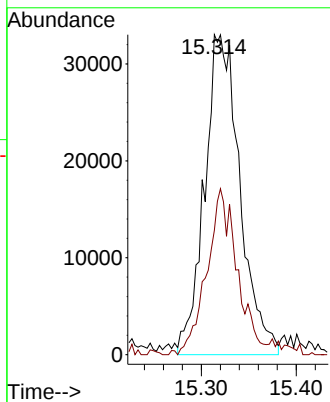
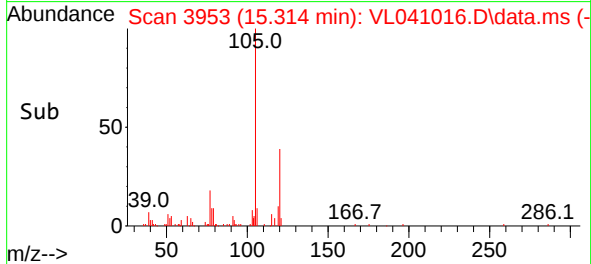
Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT1-2024



Tgt Ion:105 Resp: 85650
Ion Ratio Lower Upper
105 100
120 38.8 37.2 55.8

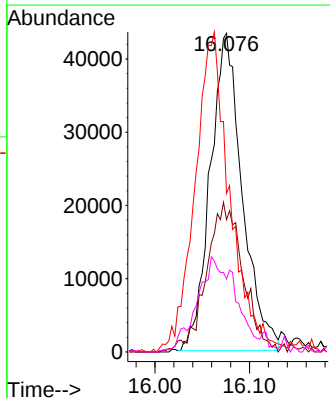
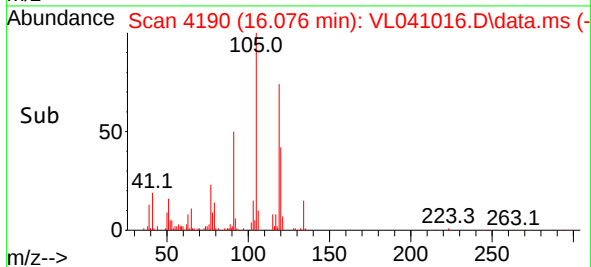
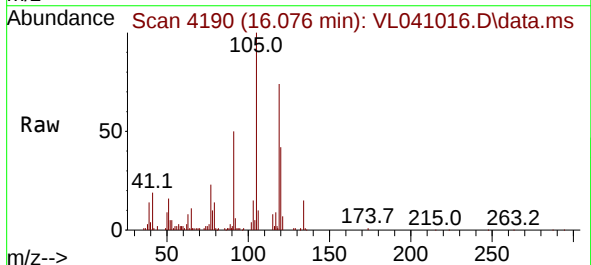
Manual Integrations
APPROVED

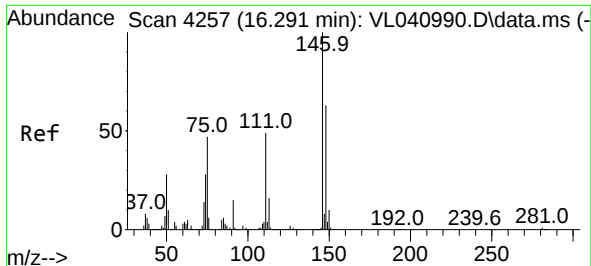
Reviewed By :Mahesh Dadoda 01/25/2024
Supervised By :Semsettin Yesilyurt 01/25/2024



#74
1,2,4-Trimethylbenzene
Concen: 0.353 ppbv
RT: 16.076 min Scan# 4190
Delta R.T. 0.006 min
Lab File: VL041016.D
Acq: 24 Jan 2024 15:08

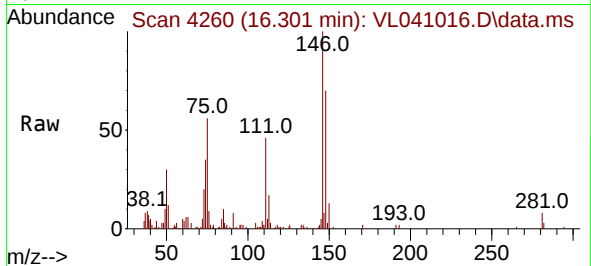
Tgt Ion:105 Resp: 102085
Ion Ratio Lower Upper
105 100
120 41.7 39.3 58.9
91 47.4 48.7 73.1#
77 21.8 19.8 29.8





#75
1,3-Dichlorobenzene
Concen: 0.364 ppbv m
RT: 16.301 min Scan# 41
Delta R.T. 0.010 min
Lab File: VL041016.D
Acq: 24 Jan 2024 15:08

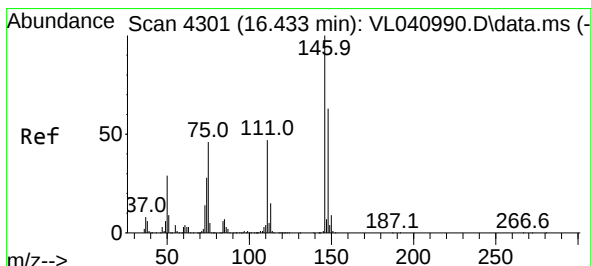
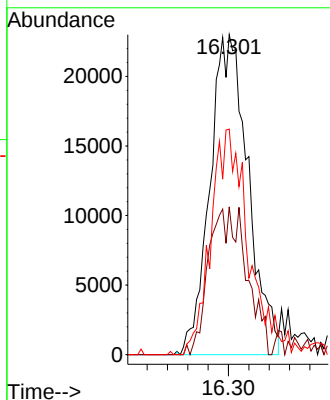
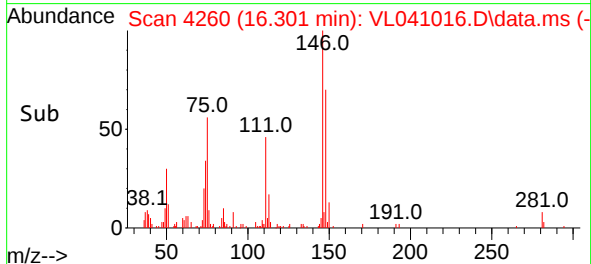
Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT1-2024



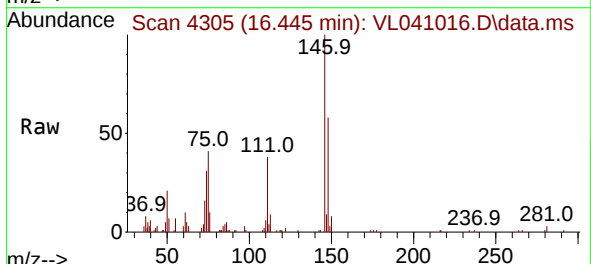
Tgt Ion:146 Resp: 5995
Ion Ratio Lower Upper
146 100
111 49.2 24.4 73.2
148 69.8 32.5 97.4

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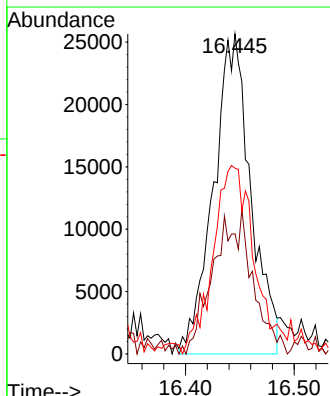
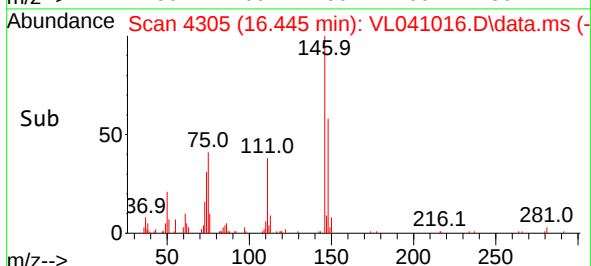
Reviewed By :Mahesh Dadoda 01/25/2024
Supervised By :Semsettin Yesilyurt 01/25/2024

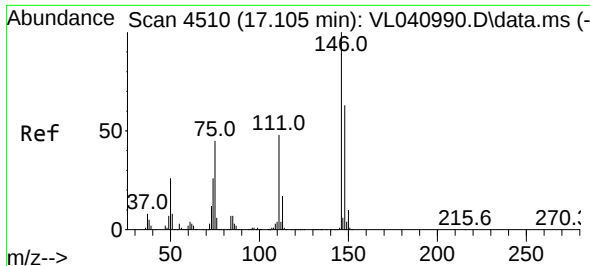


#76
1,4-Dichlorobenzene
Concen: 0.377 ppbv m
RT: 16.445 min Scan# 4305
Delta R.T. 0.013 min
Lab File: VL041016.D
Acq: 24 Jan 2024 15:08



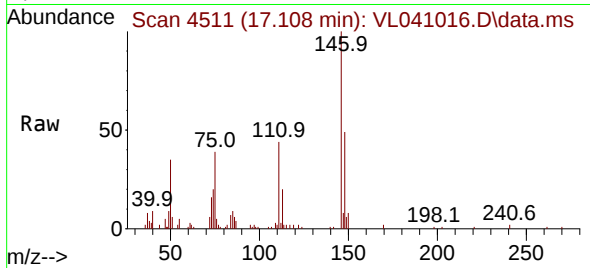
Tgt Ion:146 Resp: 61220
Ion Ratio Lower Upper
146 100
111 0.0 24.0 72.0#
148 0.0 32.9 98.7#





#77
1,2-Dichlorobenzene
Concen: 0.375 ppbv m
RT: 17.108 min Scan# 4510
Delta R.T. 0.003 min
Lab File: VL041016.D
Acq: 24 Jan 2024 15:08

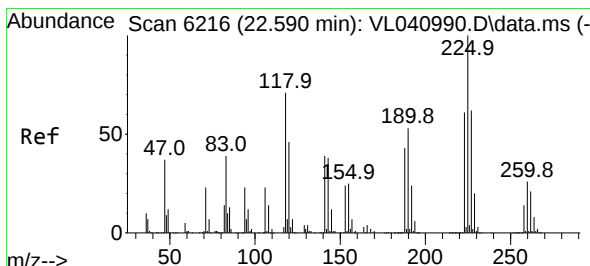
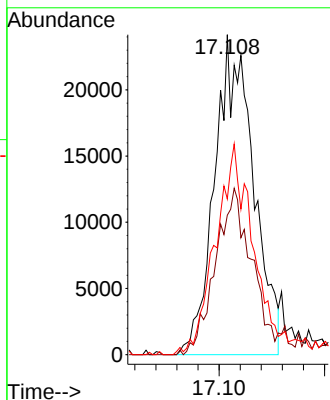
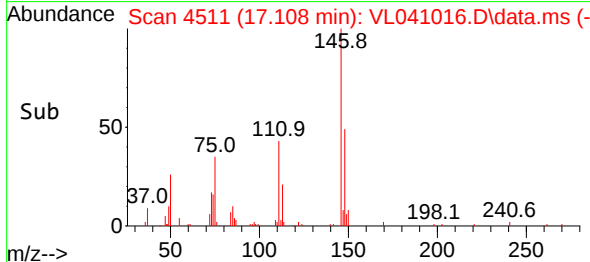
Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT1-2024



Tgt Ion:146 Resp: 61324
Ion Ratio Lower Upper
146 100
111 53.8 24.8 74.3
148 68.0 31.8 95.3

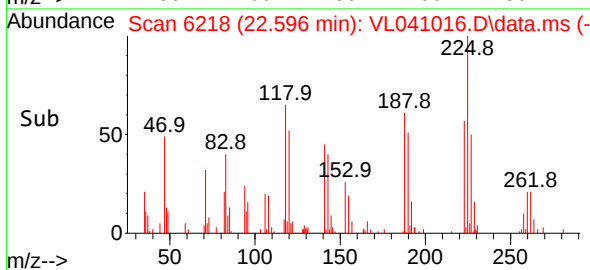
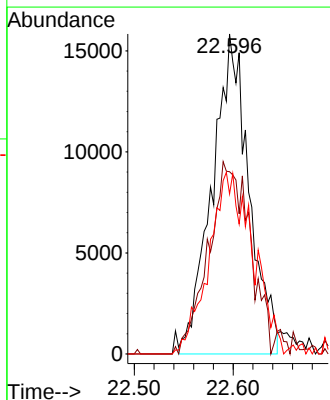
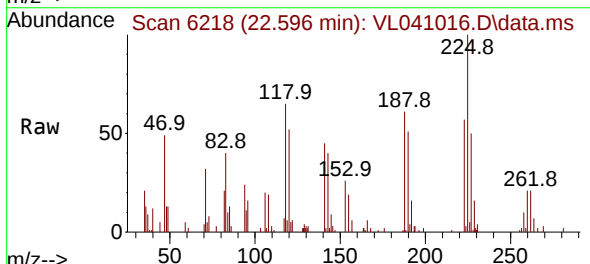
Manual Integrations
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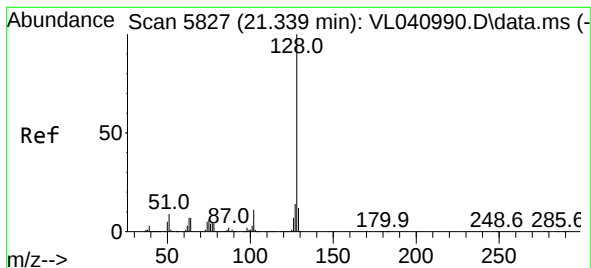
Reviewed By :Mahesh Dadoda 01/25/2024
Supervised By :Semsettin Yesilyurt 01/25/2024



#78
Hexachloro-1,3-Butadiene
Concen: 0.390 ppbv m
RT: 22.596 min Scan# 6218
Delta R.T. 0.006 min
Lab File: VL041016.D
Acq: 24 Jan 2024 15:08

Tgt Ion:225 Resp: 41162
Ion Ratio Lower Upper
225 100
223 0.0 51.1 76.7#
227 0.0 51.0 76.4#





#79

Naphthalene

Concen: 0.211 ppbv m

RT: 21.358 min Scan# 5827

Delta R.T. 0.019 min

Lab File: VL041016.D

Acq: 24 Jan 2024 15:08

Instrument :

MSVOA_L

ClientSampleId :

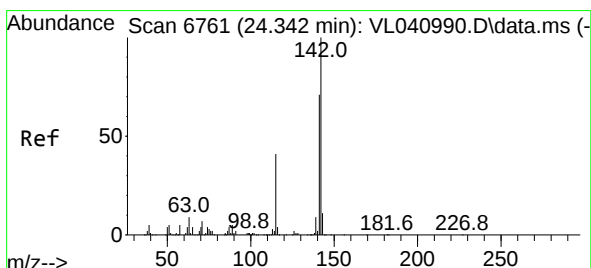
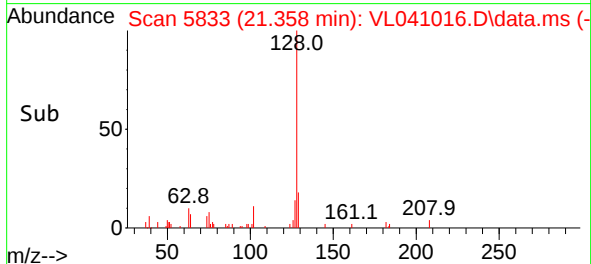
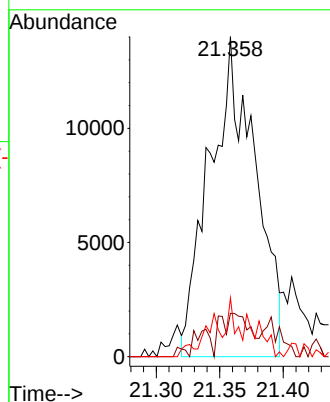
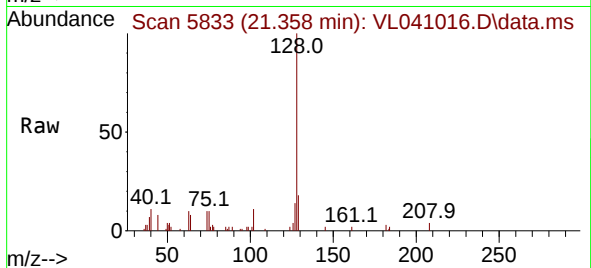
LOD-MDL-AIR-01-QT1-2024

Tgt Ion:128	Resp:	3482
Ion Ratio	Lower	Upper
128	100	
127	13.5	10.9 16.3
129	18.3	9.3 13.9

Manual Integrations

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Reviewed By :Mahesh Dadoda 01/25/2024
Supervised By :Semsettin Yesilyurt 01/25/2024



#80

Naphthalene,2-methyl-

Concen: 0.154 ppbv m

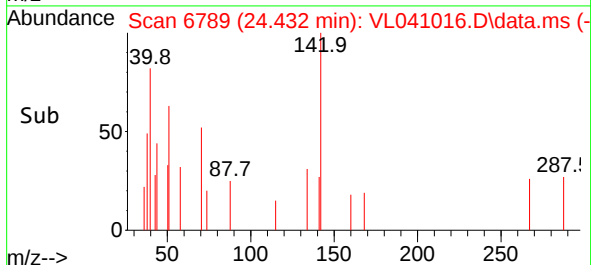
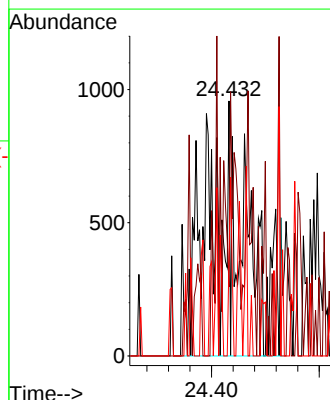
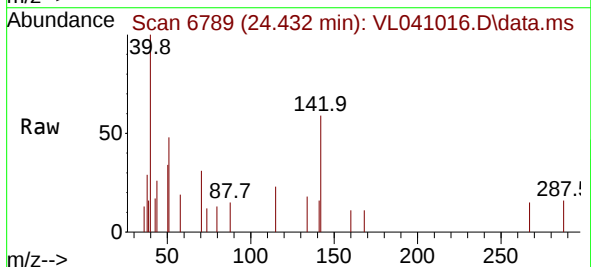
RT: 24.432 min Scan# 6789

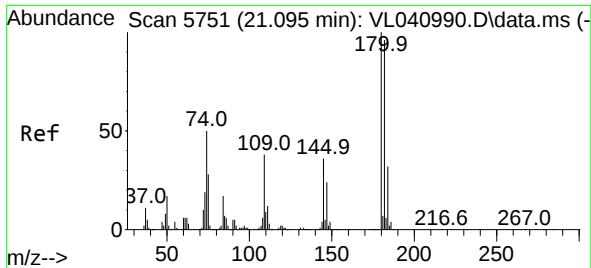
Delta R.T. 0.090 min

Lab File: VL041016.D

Acq: 24 Jan 2024 15:08

Tgt Ion:142	Resp:	4472
Ion Ratio	Lower	Upper
142	100	
141	56.6	62.7 94.1#
115	13.1	34.0 51.0#





#81

1,2,4-Trichlorobenzene

Concen: 0.246 ppbv m

RT: 21.117 min Scan# 5751

Delta R.T. 0.019 min

Lab File: VL041016.D

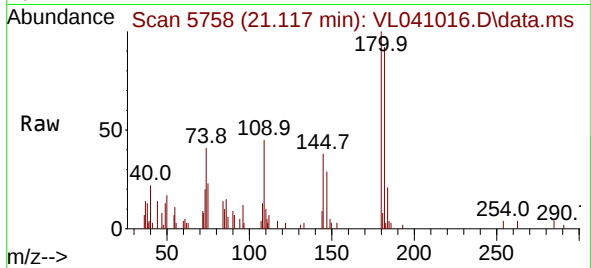
Acq: 24 Jan 2024 15:08

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT1-2024



Tgt Ion:180 Resp: 23719

Ion Ratio Lower Upper

180 100

182 104.5 78.6 118.0

184 0.0 24.4 36.6

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 01/25/2024

Supervised By :Semsettin Yesilyurt 01/25/2024

