

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL030121\
 Data File : VL036419.D
 Acq On : 1 Mar 2021 17:51
 Operator : SY/AP
 Sample : M1458-13 0.40LOD
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT1-2021

Manual Integrations
 APPROVED

MMDadoda
 3/2/2021 3:30:21 PM

Quant Time: Mar 02 06:30:37 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL021021AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Feb 10 16:04:02 2021
 QLast Update : Wed Feb 10 16:04:02 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.68	49	1678960	10.00	ppbv	0.04
33) 1,4-Difluorobenzene	7.19	114	3753862	10.00	ppbv	0.04
55) Chlorobenzene-d5	12.11	117	3327129	10.00	ppbv	0.05

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.44	95	2708513	9.89	ppbv	0.04
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.90%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.05	85	121692	0.486	ppbv	98
3) Chlorodifluoromethane	3.00	51	96132	0.461	ppbv	100
4) Chloromethane	3.15	50	45963	0.456	ppbv	90
5) Vinyl Chloride	3.27	62	38334	0.408	ppbv	93
6) Bromomethane	3.48	94	25960	0.465	ppbv	93
7) Chloroethane	3.57	64	12863	0.386	ppbv	92
8) Dichlorotetrafluoroethane	3.20	85	104726	0.460	ppbv	97
9) Propene	3.01	41	33246	0.427	ppbv	86
10) Heptane	8.14	43	73460	0.320	ppbv	93
11) Trichlorofluoromethane	3.96	101	107665	0.439	ppbv	100
12) 1,1,2-Trichlorotrifluoroet	4.50	101	67925	0.447	ppbv	94
13) Ethanol	3.64	45	13802m	0.945	ppbv	
14) Bromoethene	3.75	108	24987m	0.393	ppbv	
15) Acetone	3.88	43	96718	0.471	ppbv #	79
16) 1,3-Butadiene	3.34	39	30507	0.311	ppbv #	81
17) tert-Butyl alcohol	4.32	59	64845m	0.407	ppbv	
18) 1,1-Dichloroethene	4.30	96	28448m	0.412	ppbv	
19) Isopropyl Alcohol	3.99	45	52240m	0.459	ppbv	
20) Methylene Chloride	4.36	84	30513m	0.461	ppbv	
21) Allyl Chloride	4.42	41	40620	0.355	ppbv	94
22) trans-1,2-Dichloroethene	4.90	96	22617	0.360	ppbv #	72
23) Vinyl Acetate	5.10	43	75107m	0.311	ppbv	
24) 1,1-Dichloroethane	5.03	63	74012	0.415	ppbv	99
25) Ethyl Acetate	5.70	43	146656	0.370	ppbv #	95
26) Hexane	5.70	57	60633m	0.372	ppbv	
27) Carbon Disulfide	4.56	76	54778m	0.366	ppbv	
28) Methyl tert-Butyl Ether	5.06	73	68485	0.322	ppbv	96
29) Chloroform	5.77	83	114185m	0.435	ppbv	
30) Cyclohexane	7.16	84	55961m	0.413	ppbv	
31) cis-1,2-Dichloroethene	5.56	61	55082m	0.342	ppbv	
32) 1,1,1-Trichloroethane	6.53	97	98213	0.401	ppbv	96
34) 2-Butanone	5.27	43	99505m	0.399	ppbv	
35) Carbon Tetrachloride	7.04	117	96560	0.384	ppbv	90
36) Benzene	6.91	78	109657	0.344	ppbv	96
37) 1,2-Dichloroethane	6.32	62	77759	0.394	ppbv	98
38) Trichloroethene	7.85	130	37140	0.325	ppbv	92
39) 1,2-Dichloropropane	7.63	63	39299	0.303	ppbv #	90
40) 1,4-Dioxane	7.90	88	18087m	0.403	ppbv	
41) Tetrahydrofuran	6.09	42	40019m	0.288	ppbv	
42) Bromodichloromethane	7.81	83	100274	0.380	ppbv #	88
43) Methyl Methacrylate	8.03	69	32727	0.243	ppbv #	76

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL030121\
 Data File : VL036419.D
 Acq On : 1 Mar 2021 17:51
 Operator : SY/AP
 Sample : M1458-13 0.40LOD
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT1-2021

Manual Integrations
 APPROVED

MMDadoda
 3/2/2021 3:30:21 PM

Quant Time: Mar 02 06:30:37 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL021021AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Feb 10 16:04:02 2021
 QLast Update : Wed Feb 10 16:04:02 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.89	57	219636	0.379	ppbv	94
45) t-1,3-Dichloropropene	9.30	75	31248m	0.241	ppbv	
46) cis-1,3-Dichloropropene	8.73	75	47955m	0.291	ppbv	
47) 1,1,2-Trichloroethane	9.49	97	54016m	0.407	ppbv	
48) Dibromochloromethane	10.32	129	70510m	0.356	ppbv	
49) Bromoform	13.06	173	54123m	0.338	ppbv	
50) 4-Methyl-2-Pentanone	8.79	43	120731m	0.326	ppbv	
51) 2-Hexanone	10.18	43	74881m	0.266	ppbv	
52) Tetrachloroethene	11.25	164	39372m	0.337	ppbv	
53) Toluene	9.83	91	105863m	0.306	ppbv	
54) 1,2-Dibromoethane	10.63	107	71559m	0.374	ppbv	
56) 1,1,1,2-Tetrachloroethane	12.15	131	65034	0.425	ppbv #	1
57) Chlorobenzene	12.17	112	120464m	0.469	ppbv	
58) Ethyl Benzene	12.73	91	147789m	0.324	ppbv	
59) m/p-Xylene	13.02	91	289312m	0.723	ppbv	
60) o-Xylene	13.72	91	146628m	0.383	ppbv	
61) Styrene	13.55	104	60716m	0.256	ppbv	
62) Isopropylbenzene	14.69	105	225548m	0.393	ppbv	
63) 1,1,2,2-Tetrachloroethane	13.70	83	122618	0.406	ppbv	96
64) n-propylbenzene	15.58	120	49814m	0.353	ppbv	
65) tert-Butylbenzene	16.77	119	165164	0.337	ppbv	85
66) Benzyl Chloride	17.02	91	47349m	0.355	ppbv	
67) sec-Butylbenzene	17.32	105	249367	0.352	ppbv	99
69) p-Isopropyltoluene	17.68	119	175682	0.321	ppbv	94
70) n-Butylbenzene	18.58	91	165399	0.282	ppbv	94
71) 2-Chlorotoluene	15.47	91	157621	0.359	ppbv	98
72) 4-Ethyltoluene	15.87	105	129852	0.305	ppbv #	95
73) 1,3,5-Trimethylbenzene	16.02	105	145453m	0.352	ppbv	
74) 1,2,4-Trimethylbenzene	16.79	105	150785	0.358	ppbv	97
75) 1,3-Dichlorobenzene	17.02	146	98926m	0.433	ppbv	
76) 1,4-Dichlorobenzene	17.16	146	86507	0.364	ppbv	92
77) 1,2-Dichlorobenzene	17.85	146	91445m	0.403	ppbv	
78) Hexachloro-1,3-Butadiene	23.41	225	82753m	0.446	ppbv	
79) Naphthalene	22.25	128	42947m	0.172	ppbv	
80) Naphthalene,2-methyl-	25.07	142	1905	0.041	ppbv #	30
81) 1,2,4-Trichlorobenzene	21.97	180	35612m	0.234	ppbv	

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

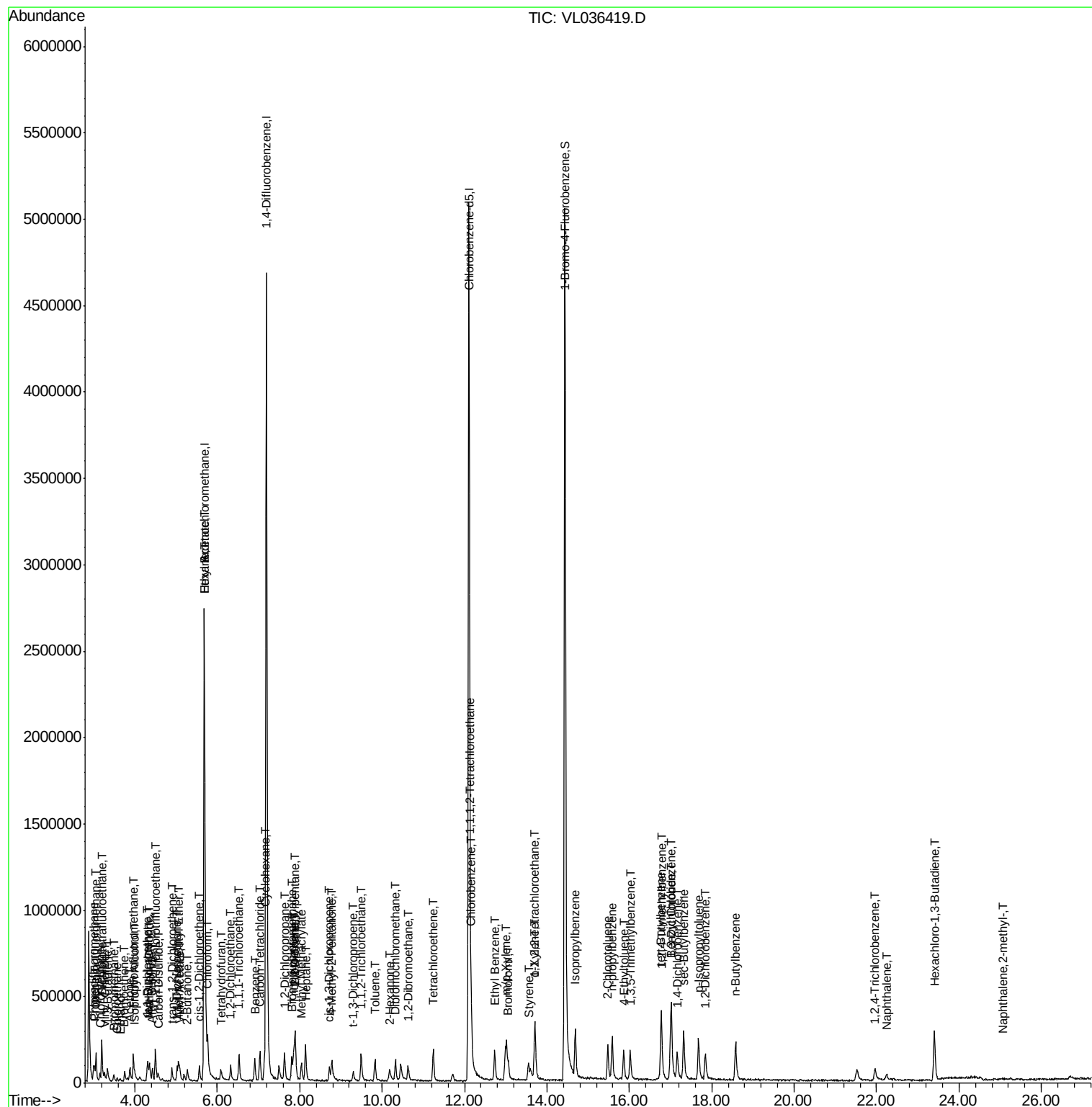
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL030121\
Data File : VL036419.D
Acq On : 1 Mar 2021 17:51
Operator : SY/AP
Sample : M1458-13 0.40LOD
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

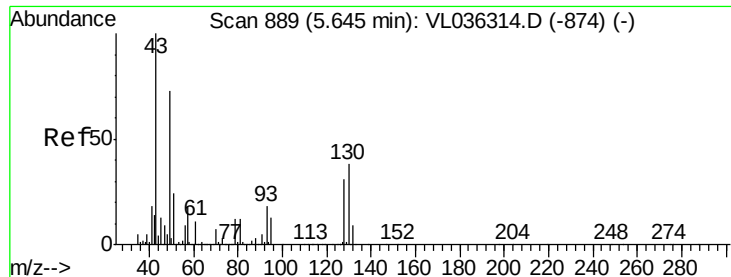
Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT1-2021

Manual Integrations
APPROVED

MMDadoda
3/2/2021 3:30:21 PM

Quant Time: Mar 02 06:30:37 2021
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL021021AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Feb
QLast Update : Wed Feb 10 16:04:02 2021
Response via : Initial Calibration





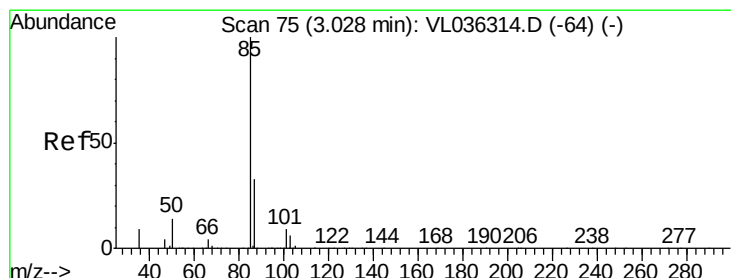
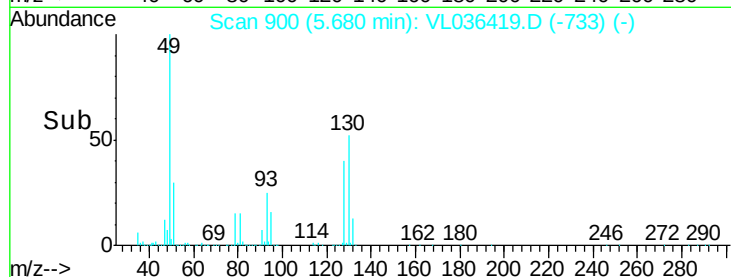
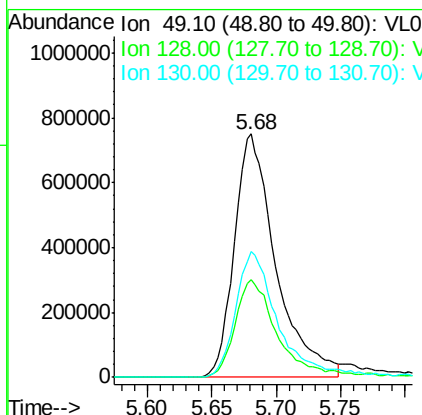
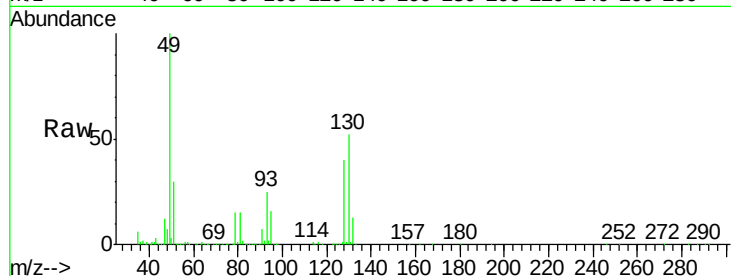
#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.68 min Scan# 900
 Delta R.T. 0.04 min
 Lab File: VL036419.D
 Acq: 1 Mar 2021 17:51

Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT1-2021

Tgt Ion: 49 Resp: 1678960
 Ion Ratio Lower Upper
 49 100
 128 43.1 20.8 62.5
 130 53.0 26.7 80.1

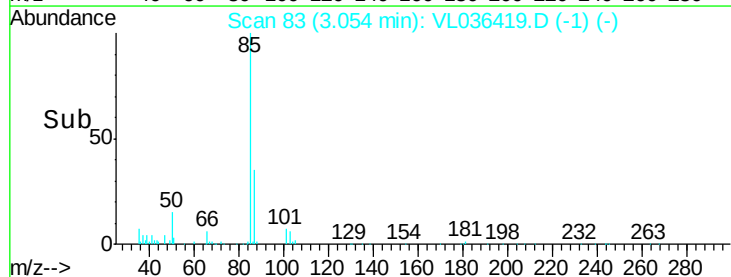
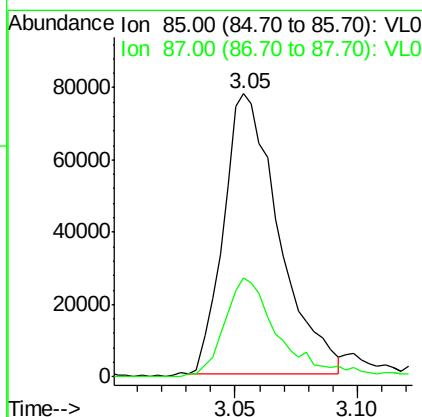
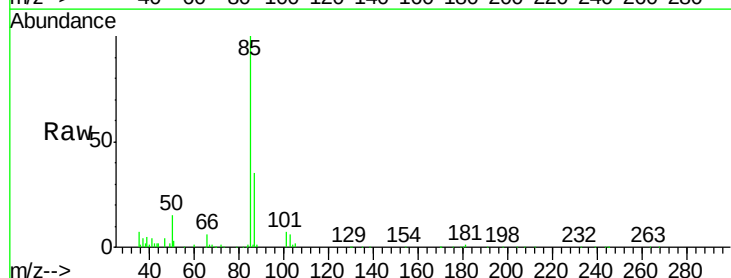
Manual Integrations
 APPROVED

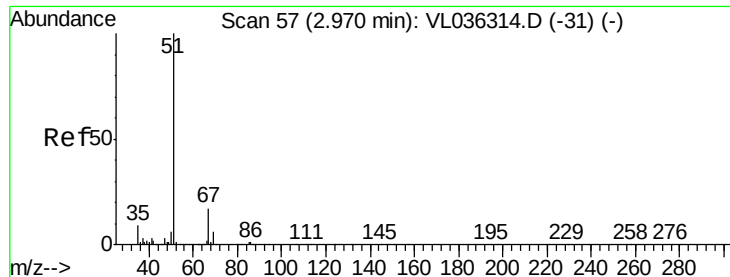
MMDadoda
 3/2/2021 3:30:21 PM



#2
 Dichlorodifluoromethane
 Concen: 0.486 ppbv
 RT: 3.05 min Scan# 83
 Delta R.T. 0.03 min
 Lab File: VL036419.D
 Acq: 1 Mar 2021 17:51

Tgt Ion: 85 Resp: 121692
 Ion Ratio Lower Upper
 85 100
 87 34.5 26.5 39.7





#3

Chlorodifluoromethane

Concen: 0.461 ppbv

RT: 3.00 min Scan# 65

Delta R.T. 0.03 min

Lab File: VL036419.D

Acq: 1 Mar 2021 17:51

Instrument :

MSVOA_L

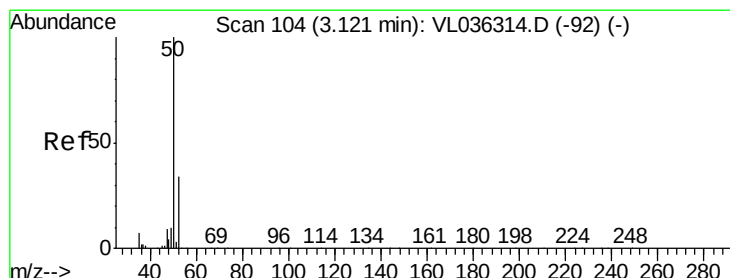
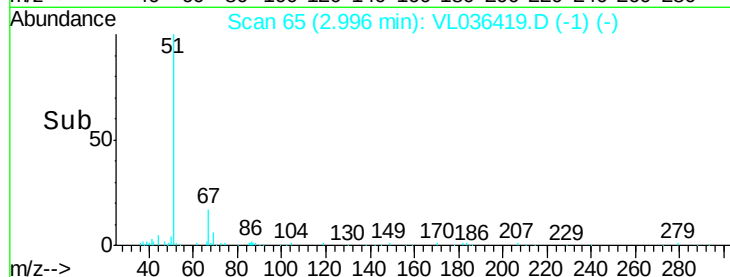
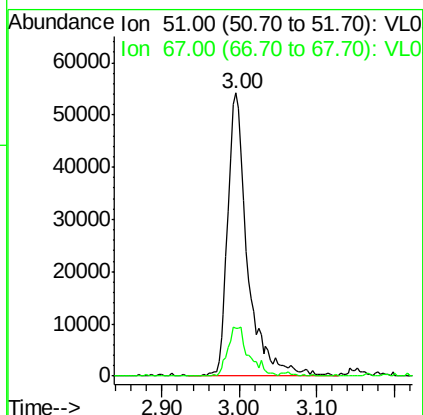
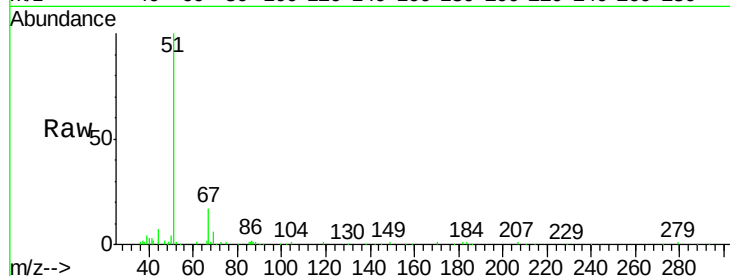
ClientSampleId :

LOD-MDL-AIR-01-QT1-2021

Tgt Ion	Ratio	Lower	Upper
51	100		
67	18.2	14.7	22.1

Manual Integrations
APPROVED

MMDadoda
3/2/2021 3:30:21 PM



#4

Chloromethane

Concen: 0.456 ppbv

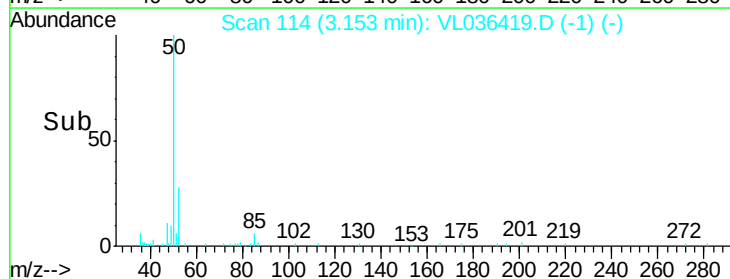
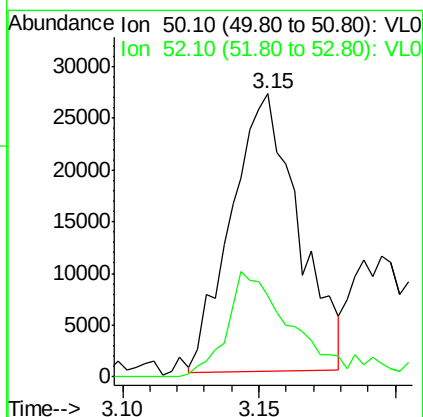
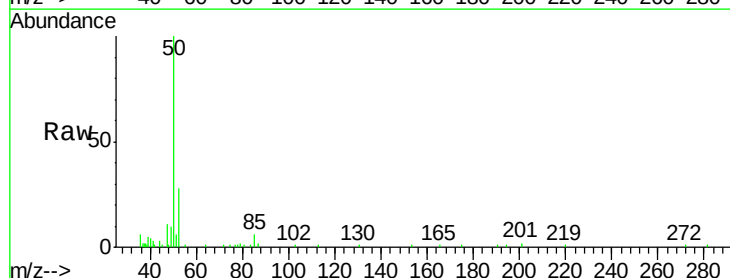
RT: 3.15 min Scan# 114

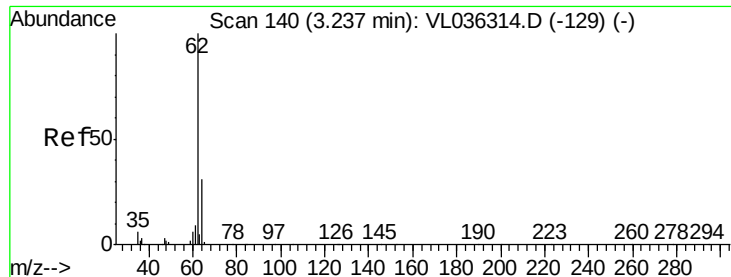
Delta R.T. 0.03 min

Lab File: VL036419.D

Acq: 1 Mar 2021 17:51

Tgt Ion	Ratio	Lower	Upper
50	100		
52	28.2	27.0	40.4





#5

Vinyl Chloride

Concen: 0.408 ppbv

RT: 3.27 min Scan# 150

Delta R.T. 0.03 min

Lab File: VL036419.D

Acq: 1 Mar 2021 17:51

Instrument :

MSVOA_L

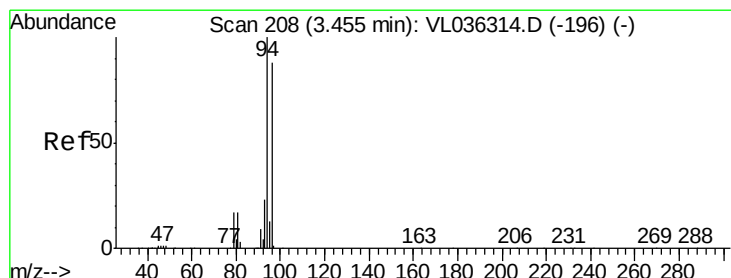
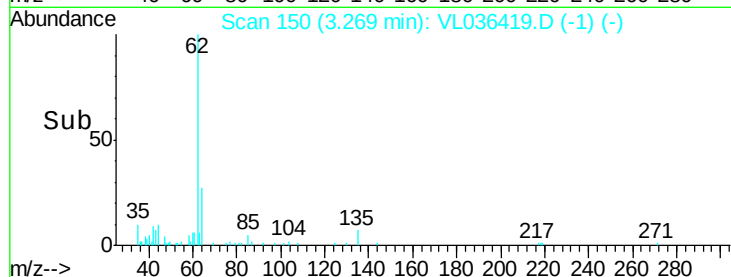
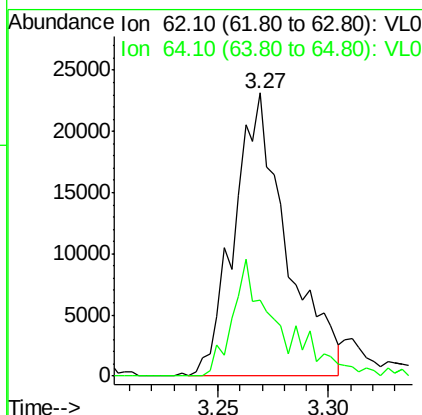
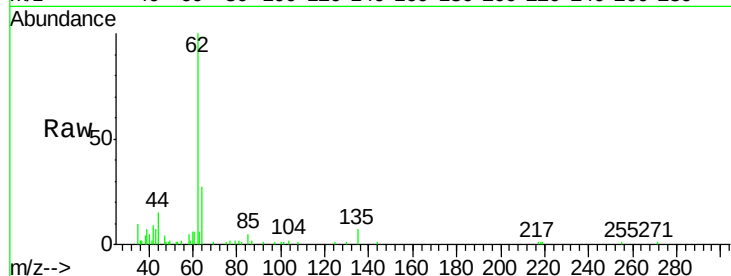
ClientSampleId :

LOD-MDL-AIR-01-QT1-2021

Tgt Ion	Ratio	Lower	Upper
62	100		
64	26.8	24.4	36.6

Manual Integrations
APPROVED

MMDadoda
3/2/2021 3:30:21 PM



#6

Bromomethane

Concen: 0.465 ppbv

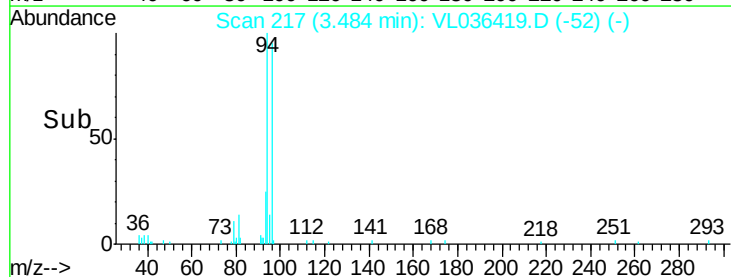
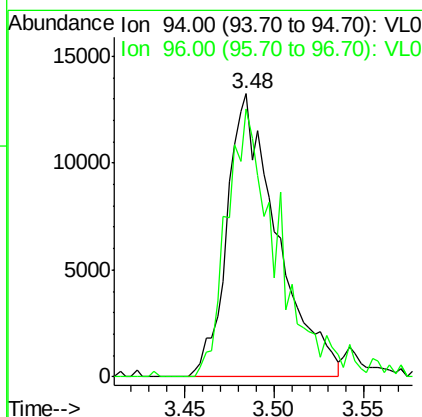
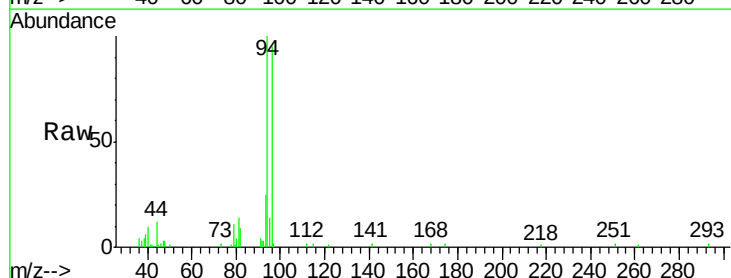
RT: 3.48 min Scan# 217

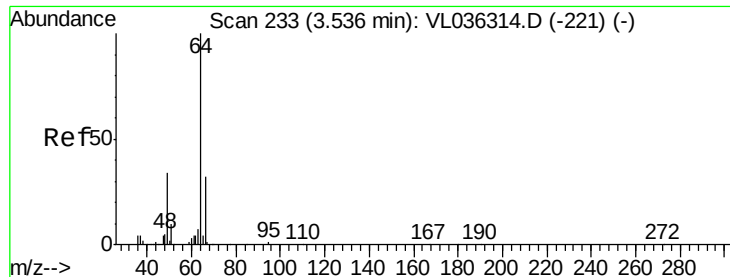
Delta R.T. 0.03 min

Lab File: VL036419.D

Acq: 1 Mar 2021 17:51

Tgt Ion	Ratio	Lower	Upper
94	100		
96	94.8	70.8	106.2





#7

Chloroethane

Concen: 0.386 ppbv

RT: 3.57 min Scan# 243

Delta R.T. 0.03 min

Lab File: VL036419.D

Acq: 1 Mar 2021 17:51

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT1-2021

Tgt Ion: 64 Resp: 12863

Ion Ratio Lower Upper

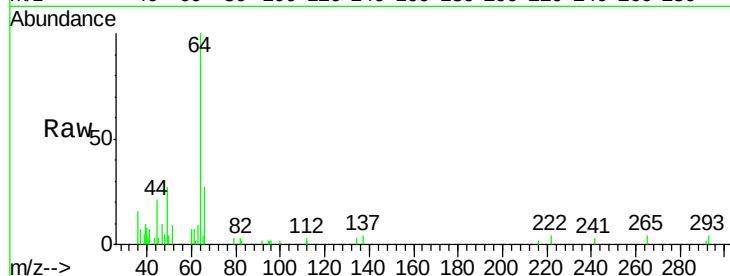
64 100

66 27.3 25.6 38.4

Manual Integrations
APPROVED

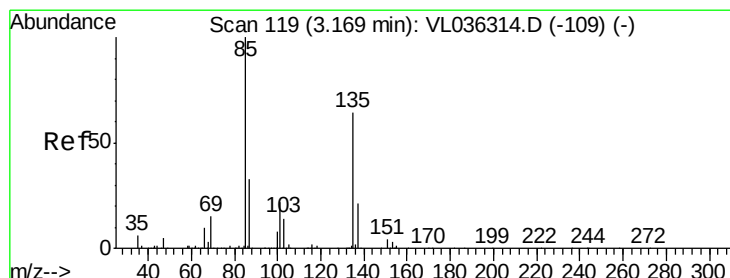
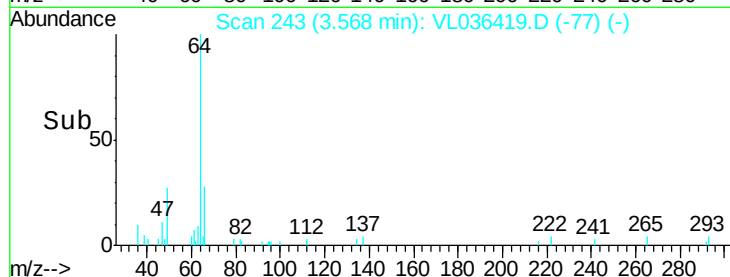
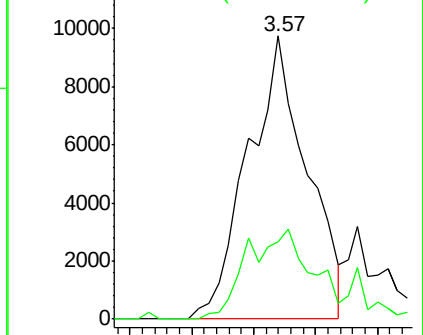
MMDadoda

3/2/2021 3:30:21 PM



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0



#8

Dichlorotetrafluoroethane

Concen: 0.460 ppbv

RT: 3.20 min Scan# 127

Delta R.T. 0.03 min

Lab File: VL036419.D

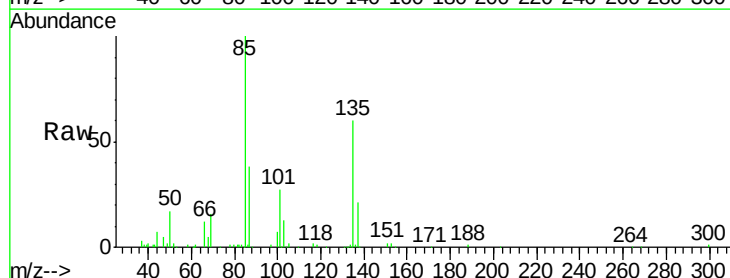
Acq: 1 Mar 2021 17:51

Tgt Ion: 85 Resp: 104726

Ion Ratio Lower Upper

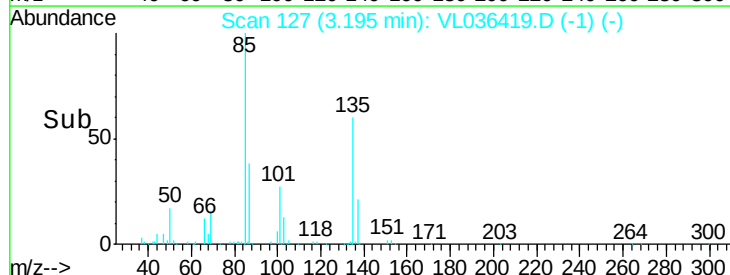
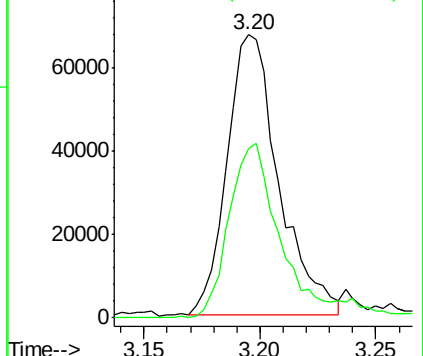
85 100

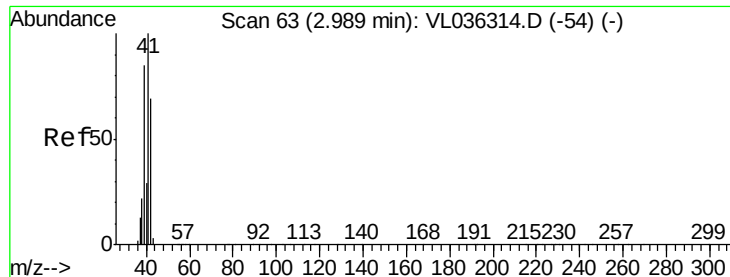
135 66.1 51.1 76.7



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V





#9

Propene

Concen: 0.427 ppbv

RT: 3.01 min Scan# 71

Delta R.T. 0.03 min

Lab File: VL036419.D

Acq: 1 Mar 2021 17:51

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT1-2021

Tgt Ion: 41 Resp: 33246

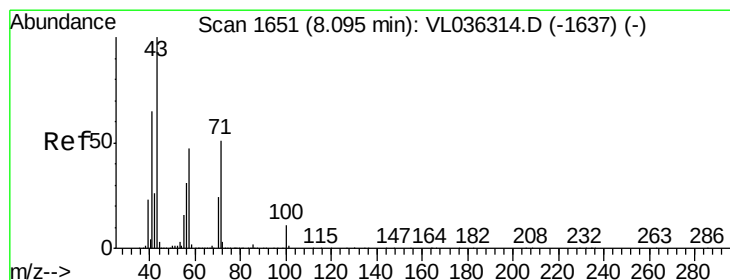
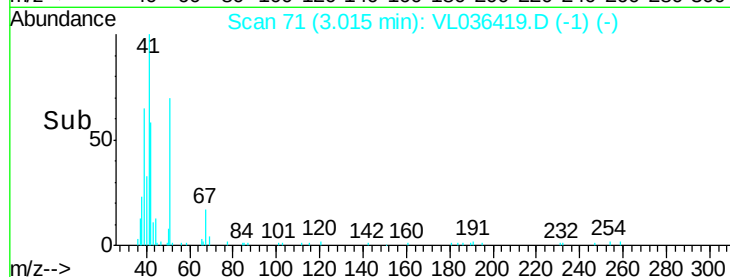
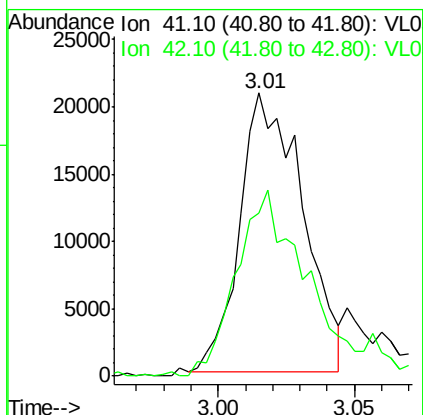
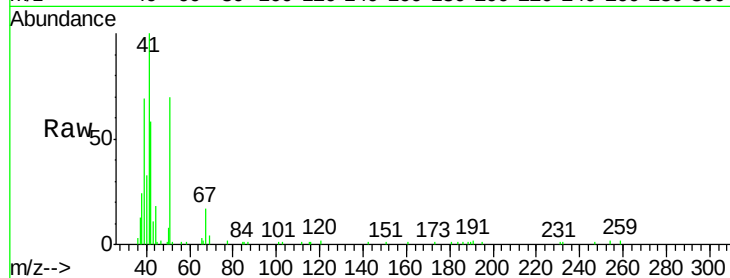
Ion Ratio Lower Upper

41 100

42 81.4 56.2 84.2

Manual Integrations
APPROVED

MMDadoda
3/2/2021 3:30:21 PM



#10

Heptane

Concen: 0.320 ppbv

RT: 8.14 min Scan# 1665

Delta R.T. 0.05 min

Lab File: VL036419.D

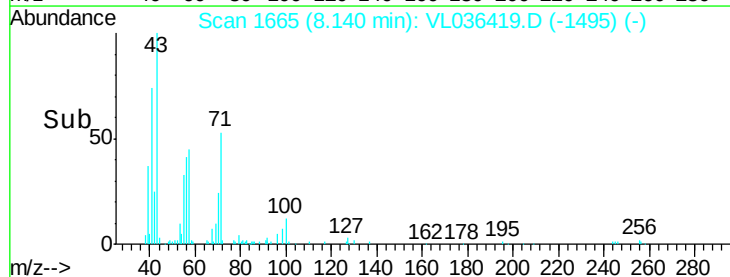
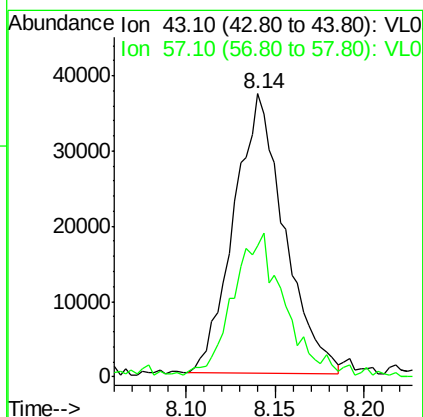
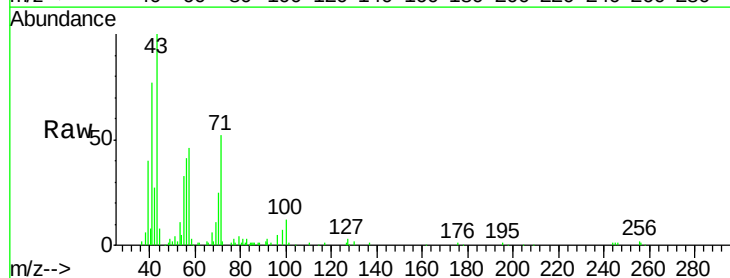
Acq: 1 Mar 2021 17:51

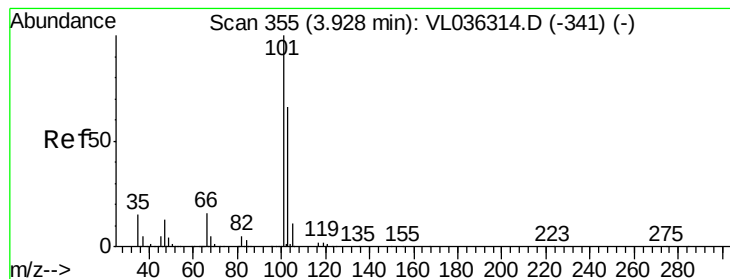
Tgt Ion: 43 Resp: 73460

Ion Ratio Lower Upper

43 100

57 54.2 39.4 59.2





#11

Trichlorofluoromethane

Concen: 0.439 ppbv

RT: 3.96 min Scan# 365

Delta R.T. 0.03 min

Lab File: VL036419.D

Acq: 1 Mar 2021 17:51

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT1-2021

Tgt Ion:101 Resp: 107665

Ion Ratio Lower Upper

101 100

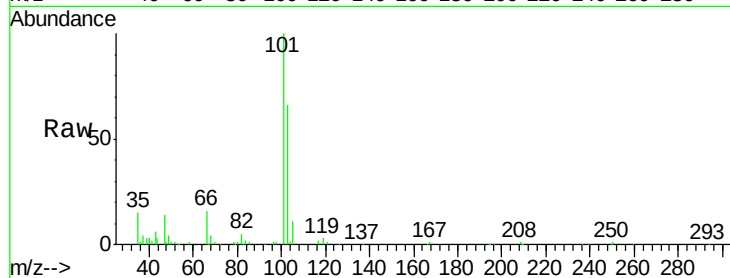
103 65.8 52.9 79.3

Manual Integrations

APPROVED

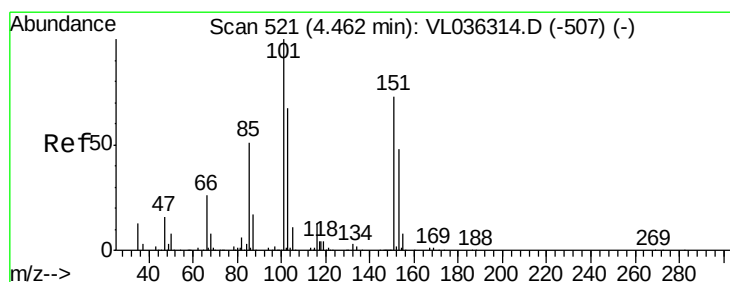
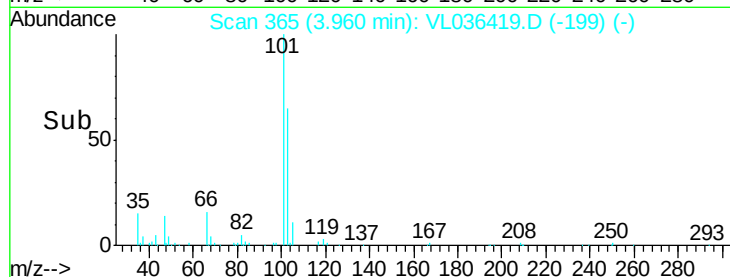
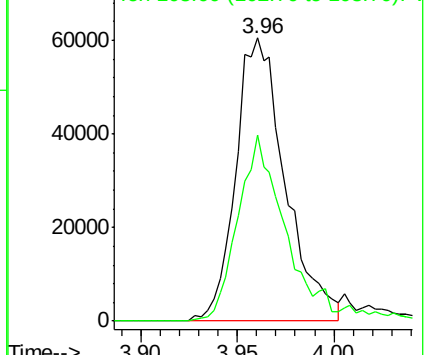
MMDadoda

3/2/2021 3:30:21 PM



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#12

1,1,2-Trichlorotrifluoroethane

Concen: 0.447 ppbv

RT: 4.50 min Scan# 533

Delta R.T. 0.04 min

Lab File: VL036419.D

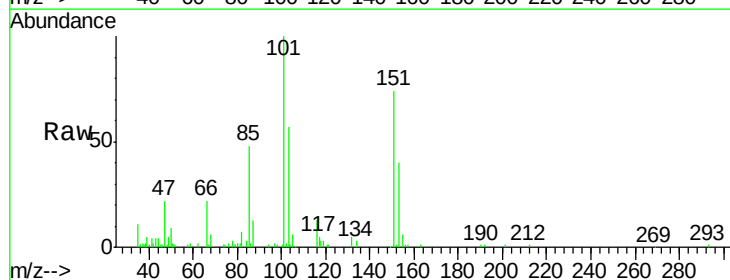
Acq: 1 Mar 2021 17:51

Tgt Ion:101 Resp: 67925

Ion Ratio Lower Upper

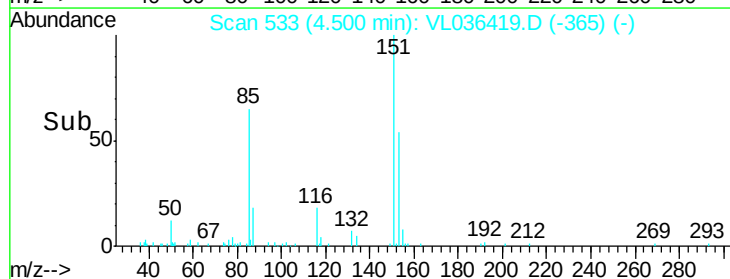
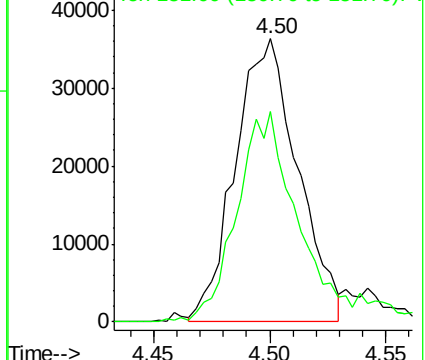
101 100

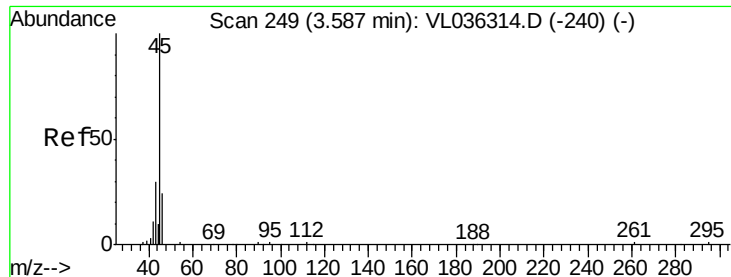
151 77.4 58.2 87.4



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V





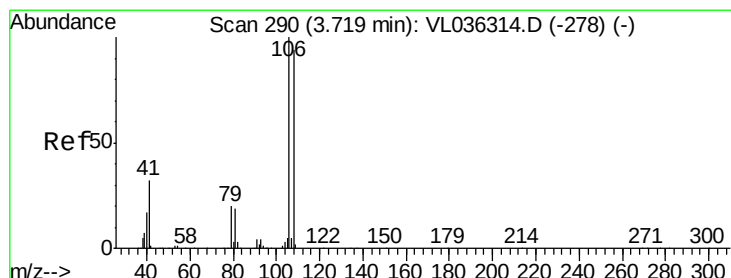
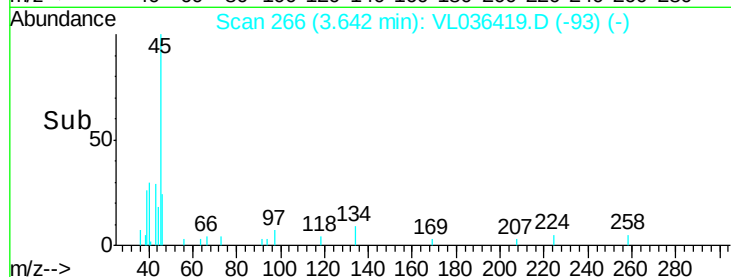
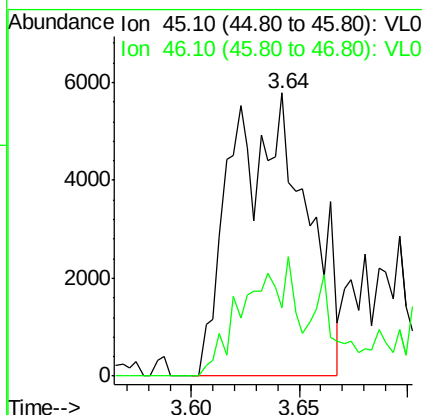
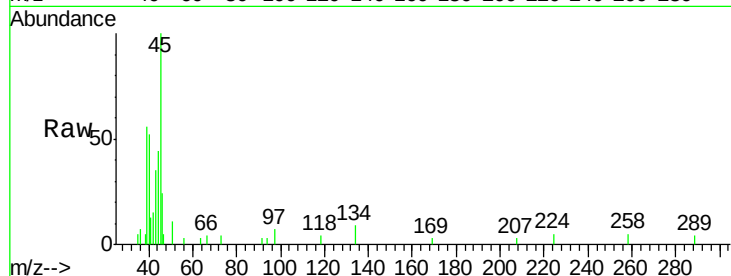
#13
Ethanol
Concen: 0.945 ppbv m
RT: 3.64 min Scan# 266
Delta R.T. 0.05 min
Lab File: VL036419.D
Acq: 1 Mar 2021 17:51

Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT1-2021

Tgt Ion: 45 Resp: 13802
Ion Ratio Lower Upper
45 100
46 0.0 17.7 70.7#

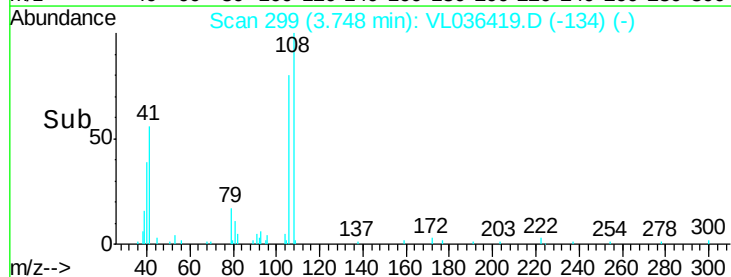
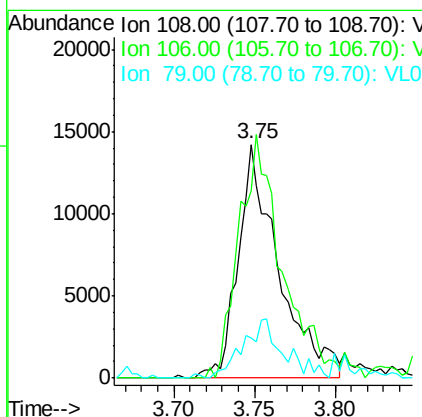
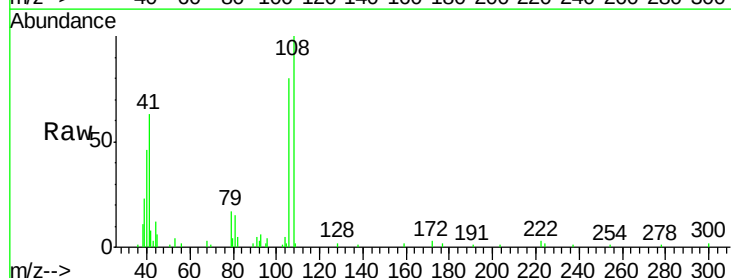
Manual Integrations
APPROVED

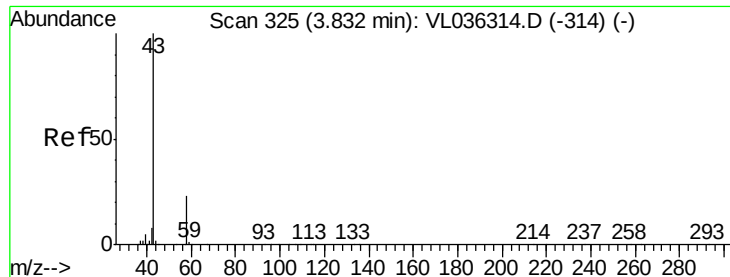
MMDadoda
3/2/2021 3:30:21 PM



#14
Bromoethene
Concen: 0.393 ppbv m
RT: 3.75 min Scan# 299
Delta R.T. 0.03 min
Lab File: VL036419.D
Acq: 1 Mar 2021 17:51

Tgt Ion: 108 Resp: 24987
Ion Ratio Lower Upper
108 100
106 113.0 89.8 134.8
79 23.2 17.1 25.7





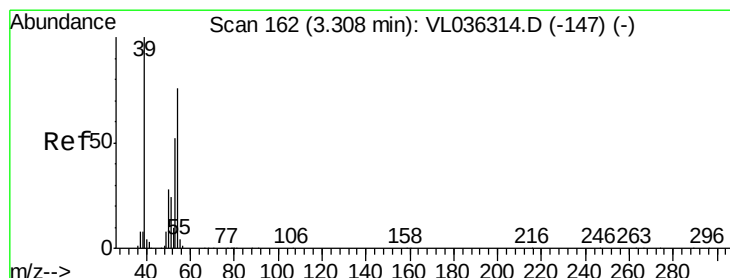
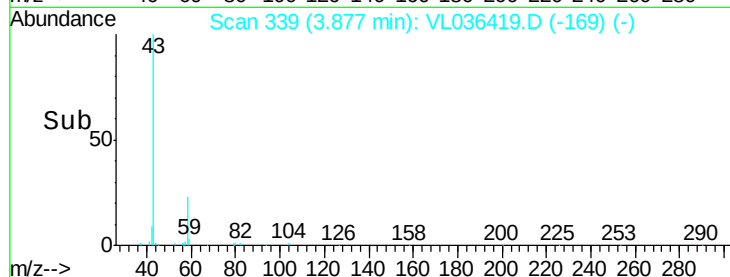
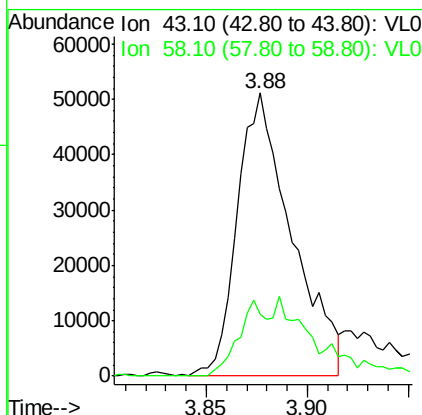
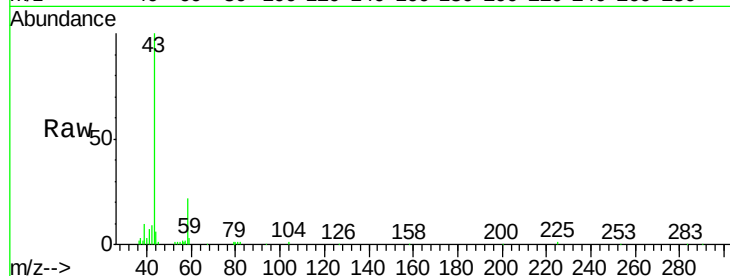
#15
Acetone
Concen: 0.471 ppbv
RT: 3.88 min Scan# 339
Delta R.T. 0.05 min
Lab File: VL036419.D
Acq: 1 Mar 2021 17:51

Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT1-2021

Tgt Ion: 43 Resp: 96718
Ion Ratio Lower Upper
43 100
58 36.1 20.3 30.5#

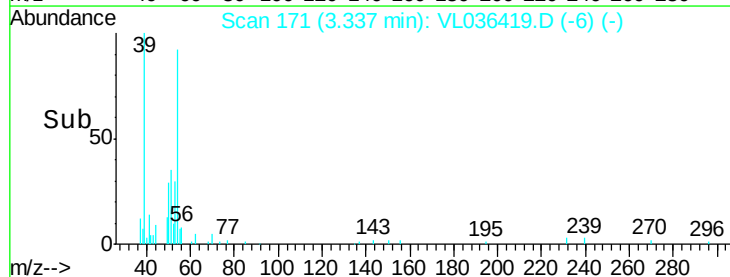
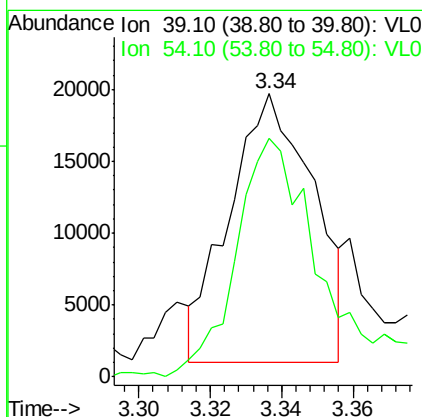
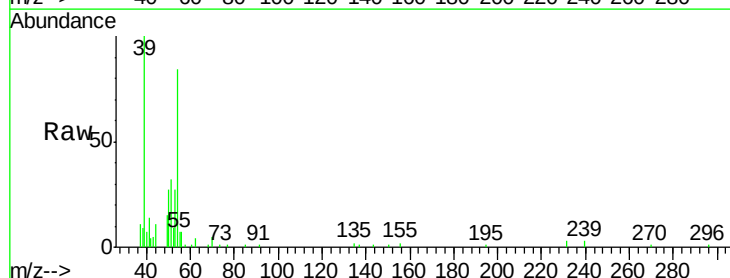
Manual Integrations
APPROVED

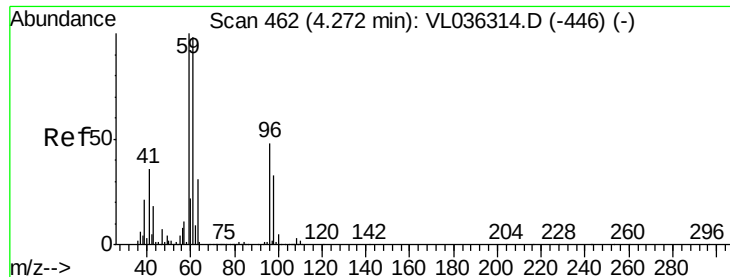
MMDadoda
3/2/2021 3:30:21 PM



#16
1,3-Butadiene
Concen: 0.311 ppbv
RT: 3.34 min Scan# 171
Delta R.T. 0.03 min
Lab File: VL036419.D
Acq: 1 Mar 2021 17:51

Tgt Ion: 39 Resp: 30507
Ion Ratio Lower Upper
39 100
54 97.3 64.4 96.6#





#17

tert-Butyl alcohol

Concen: 0.407 ppbv m

RT: 4.32 min Scan# 478

Delta R.T. 0.05 min

Lab File: VL036419.D

Acq: 1 Mar 2021 17:51

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT1-2021

Tgt Ion: 59 Resp: 64845

Ion Ratio Lower Upper

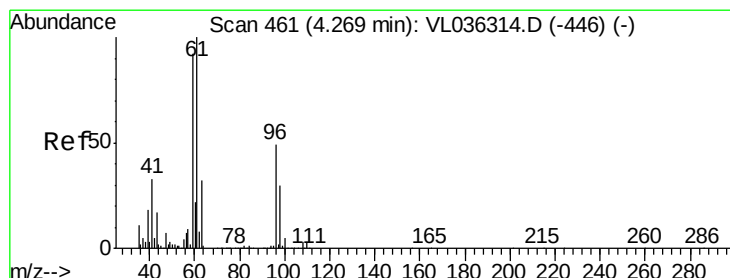
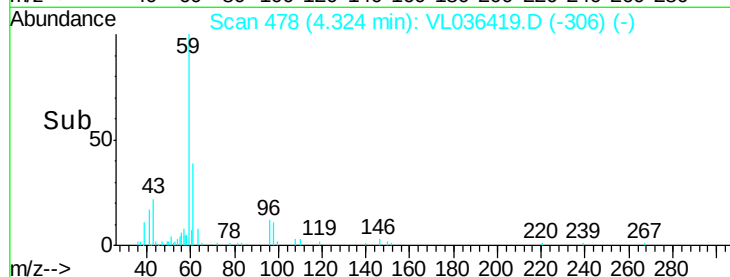
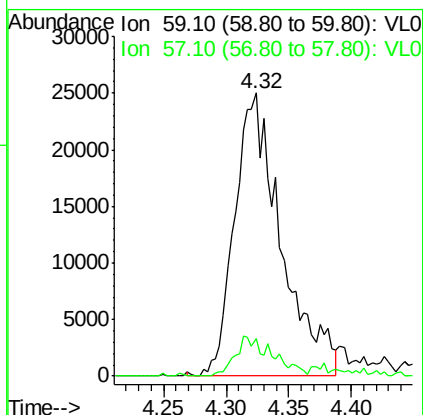
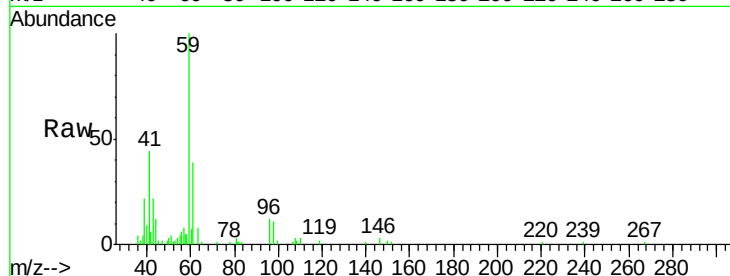
59 100

57 11.2 9.0 13.4

Manual Integrations
APPROVED

MMDadoda

3/2/2021 3:30:21 PM



#18

1,1-Dichloroethene

Concen: 0.412 ppbv m

RT: 4.30 min Scan# 470

Delta R.T. 0.03 min

Lab File: VL036419.D

Acq: 1 Mar 2021 17:51

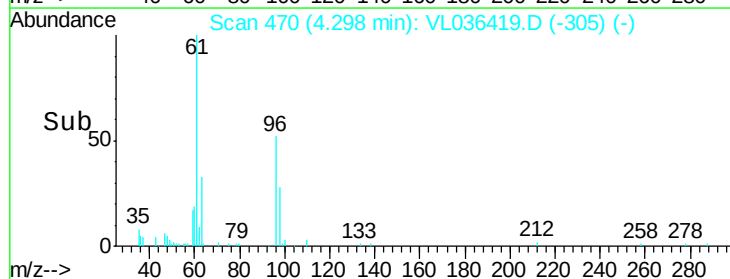
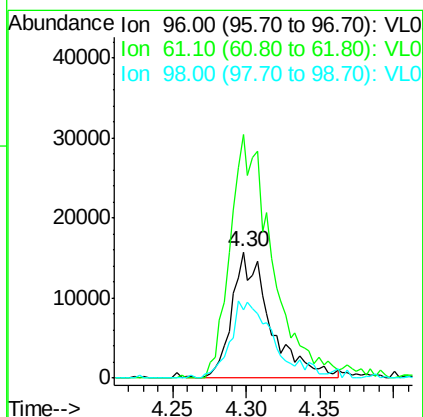
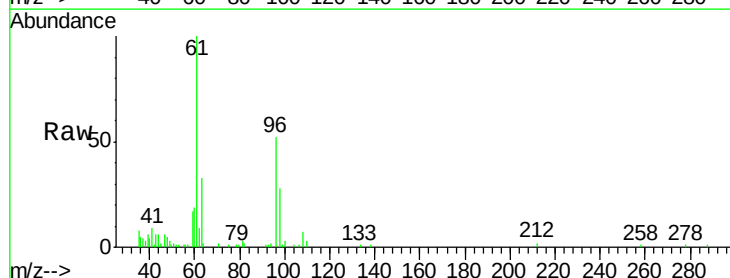
Tgt Ion: 96 Resp: 28448

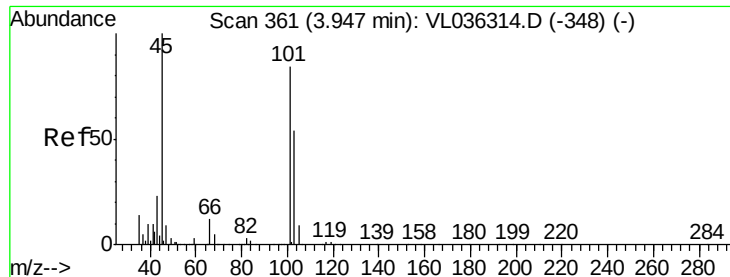
Ion Ratio Lower Upper

96 100

61 192.6 162.5 243.7

98 53.9 48.5 72.7





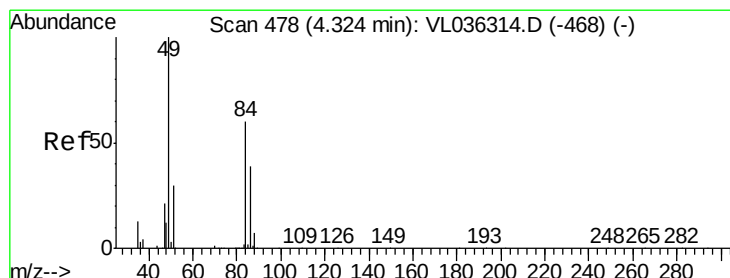
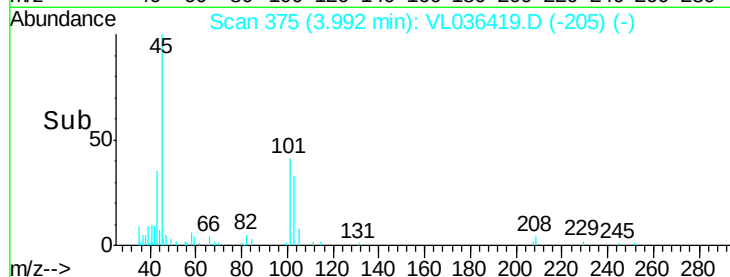
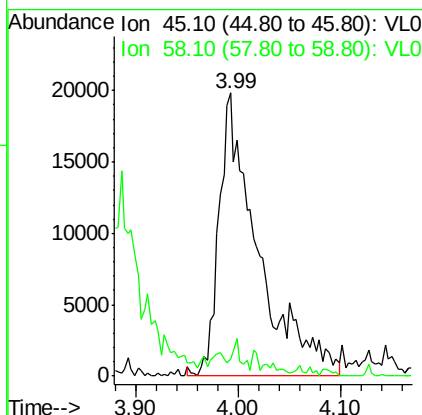
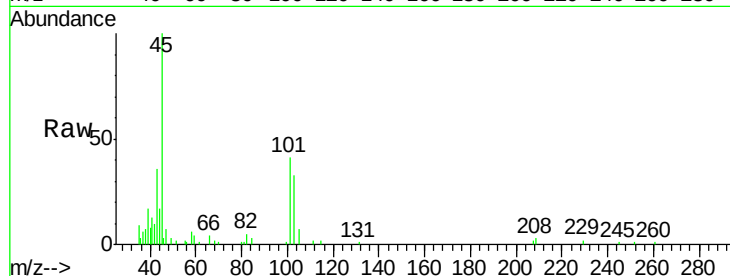
#19
Isopropyl Alcohol
Concen: 0.459 ppbv m
RT: 3.99 min Scan# 375
Delta R.T. 0.05 min
Lab File: VL036419.D
Acq: 1 Mar 2021 17:51

Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT1-2021

Tgt Ion: 45 Resp: 52240
Ion Ratio Lower Upper
45 100
58 0.0 1.9 2.9#

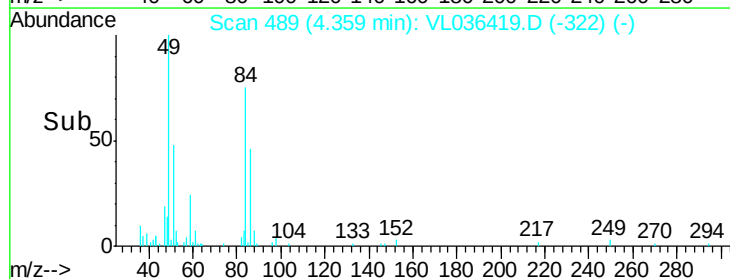
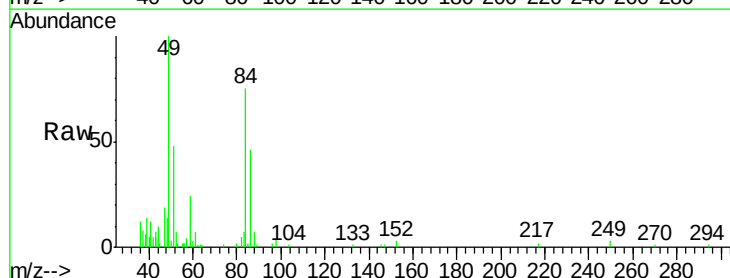
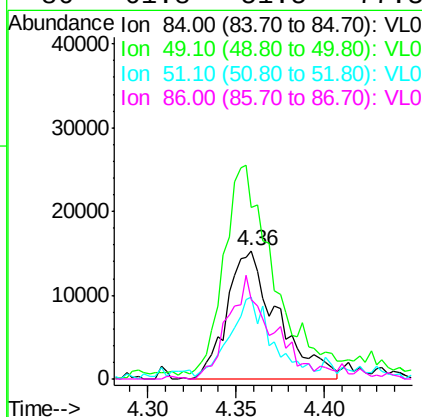
Manual Integrations
APPROVED

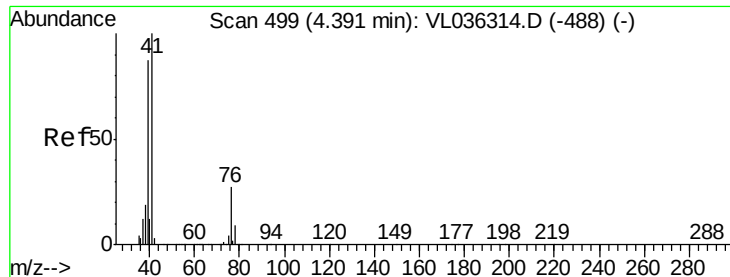
MMDadoda
3/2/2021 3:30:21 PM



#20
Methylene Chloride
Concen: 0.461 ppbv m
RT: 4.36 min Scan# 489
Delta R.T. 0.04 min
Lab File: VL036419.D
Acq: 1 Mar 2021 17:51

Tgt Ion: 84 Resp: 30513
Ion Ratio Lower Upper
84 100
49 134.2 133.8 200.8
51 63.9 41.4 62.0#
86 61.8 51.5 77.3





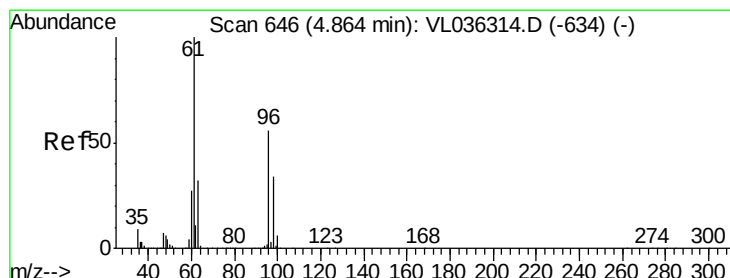
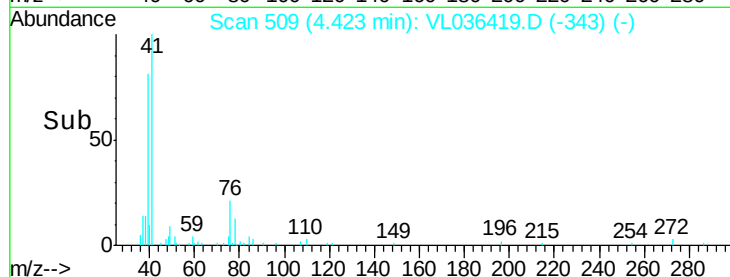
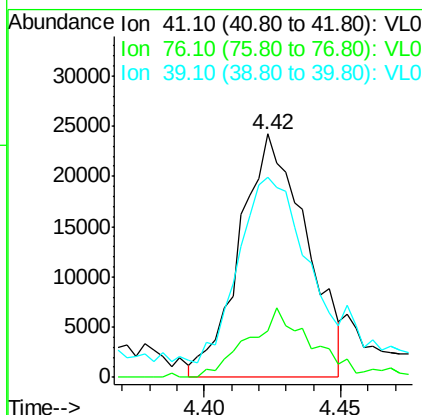
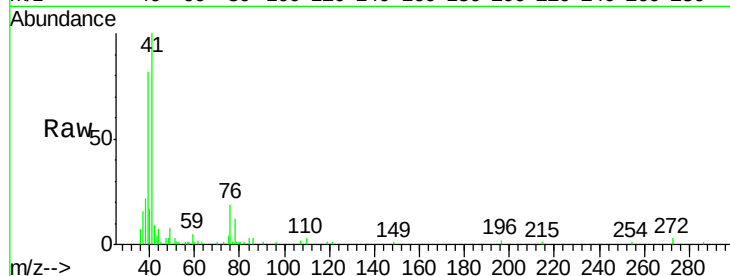
#21
 Allyl Chloride
 Concen: 0.355 ppbv
 RT: 4.42 min Scan# 509
 Delta R.T. 0.03 min
 Lab File: VL036419.D
 Acq: 1 Mar 2021 17:51

Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT1-2021

Tgt Ion	Ratio	Lower	Upper
41	100		
76	30.2	22.0	33.0
39	93.1	70.2	105.2

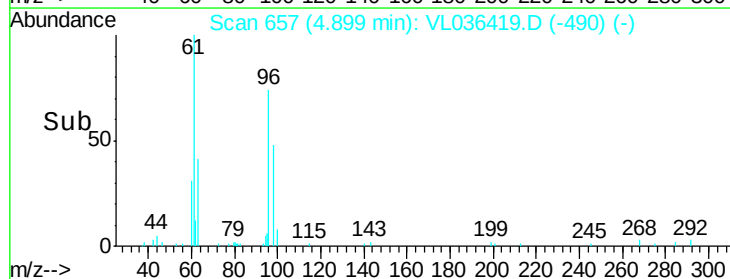
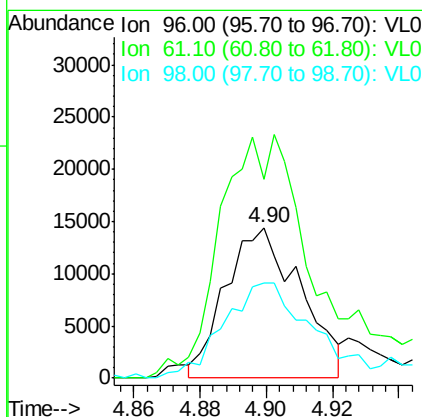
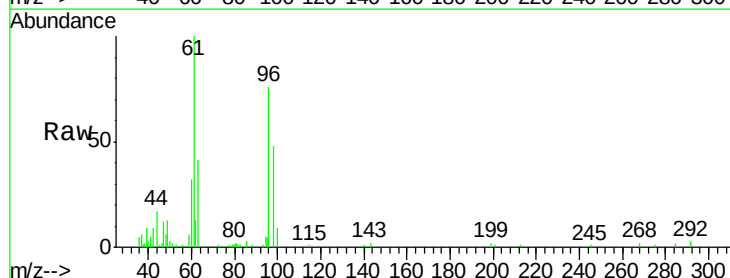
Manual Integrations
 APPROVED

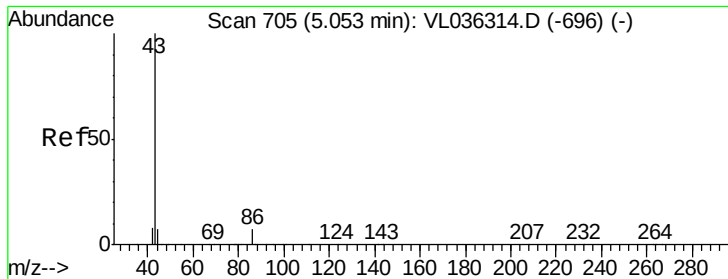
MMDadoda
 3/2/2021 3:30:21 PM



#22
 trans-1,2-Dichloroethene
 Concen: 0.360 ppbv
 RT: 4.90 min Scan# 657
 Delta R.T. 0.04 min
 Lab File: VL036419.D
 Acq: 1 Mar 2021 17:51

Tgt Ion	Ratio	Lower	Upper
96	100		
61	129.2	143.7	215.5#
98	57.6	48.5	72.7





#23

Vinyl Acetate

Concen: 0.311 ppbv m

RT: 5.10 min Scan# 718

Delta R.T. 0.04 min

Lab File: VL036419.D

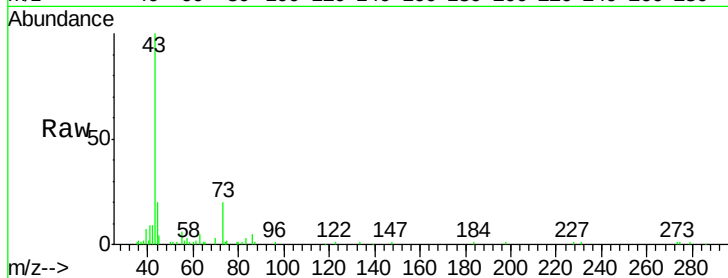
Acq: 1 Mar 2021 17:51

Instrument :

MSVOA_L

ClientSampleId :

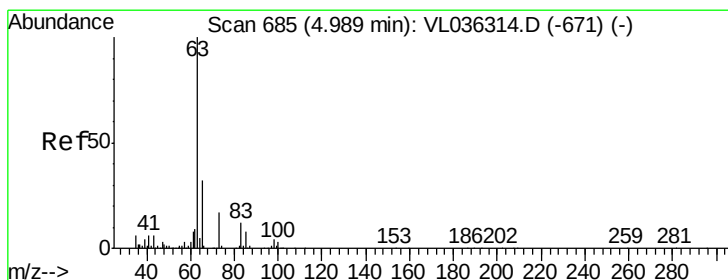
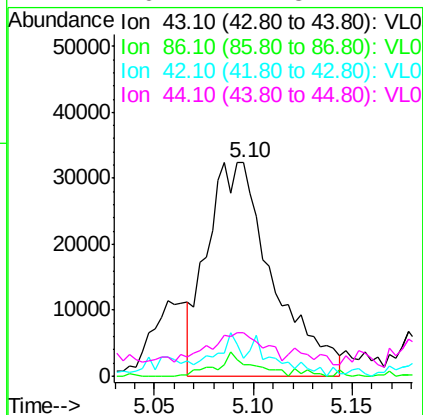
LOD-MDL-AIR-01-QT1-2021



Tgt Ion	Ratio	Lower	Upper
43	100		
86	5.3	4.8	7.2
42	8.6	7.4	11.0
44	20.2	4.8	7.2#

Manual Integrations
APPROVED

MMDadoda
3/2/2021 3:30:21 PM



#24

1,1-Dichloroethane

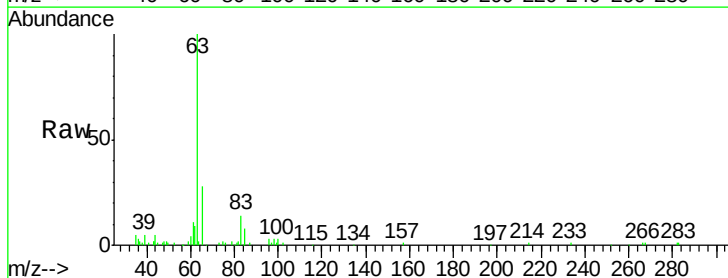
Concen: 0.415 ppbv

RT: 5.03 min Scan# 697

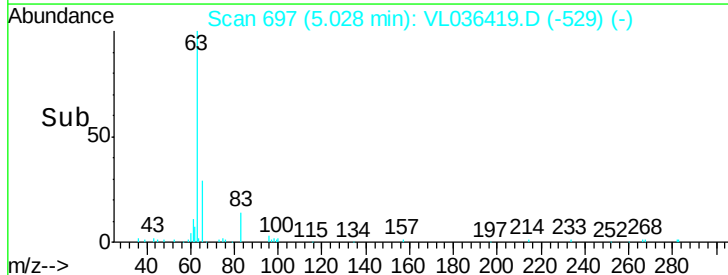
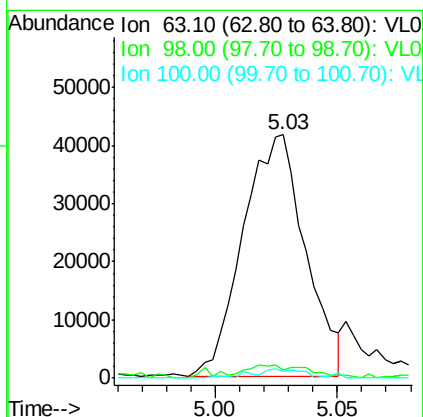
Delta R.T. 0.04 min

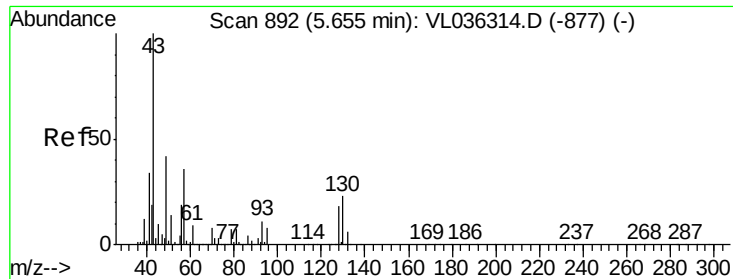
Lab File: VL036419.D

Acq: 1 Mar 2021 17:51



Tgt Ion	Ratio	Lower	Upper
63	100		
98	3.3	2.0	6.0
100	2.8	1.5	4.4





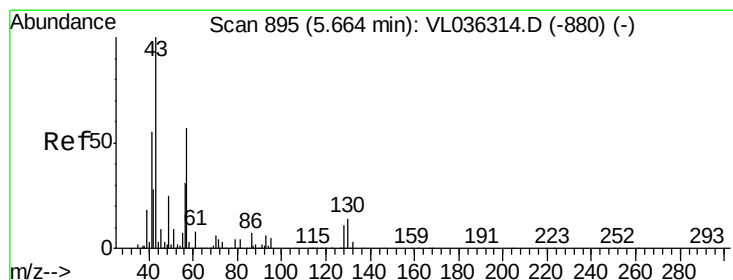
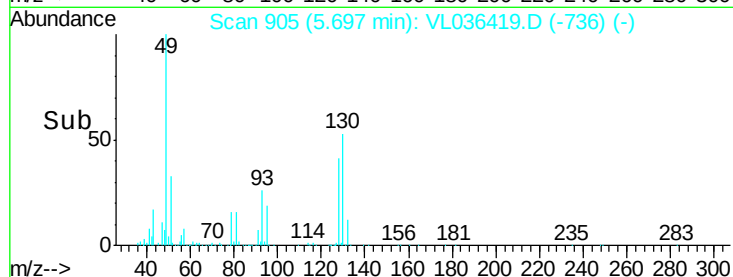
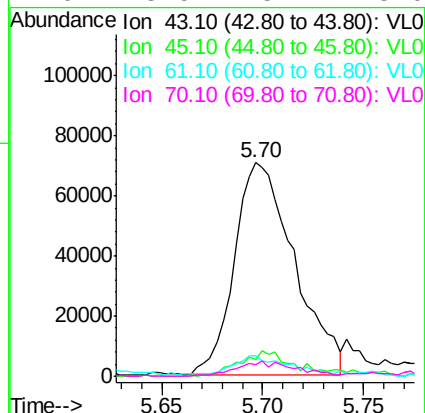
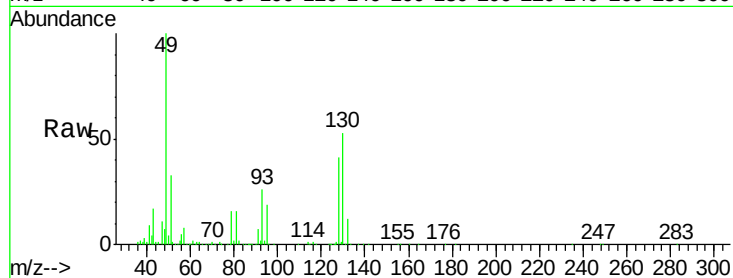
#25
Ethyl Acetate
Concen: 0.370 ppbv
RT: 5.70 min Scan# 905
Delta R.T. 0.04 min
Lab File: VL036419.D
Acq: 1 Mar 2021 17:51

Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT1-2021

Tgt Ion	Ratio	Lower	Upper
43	100		
45	12.7	8.3	12.5#
61	10.0	7.3	10.9
70	8.5	5.4	8.0#

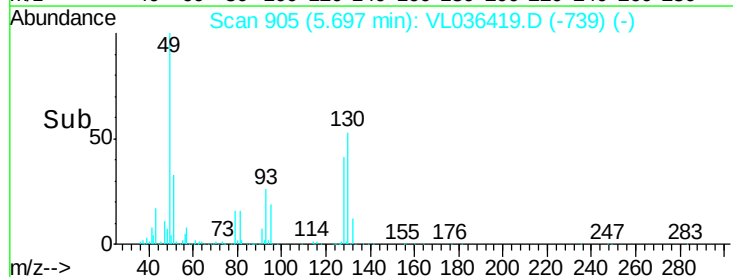
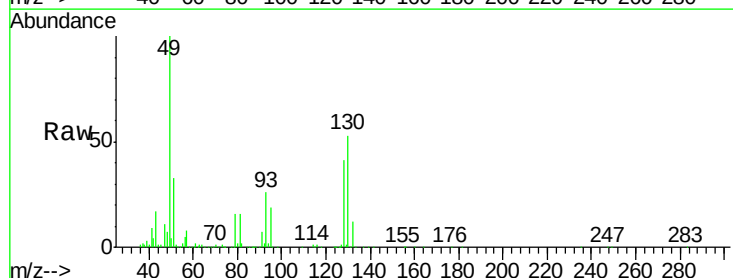
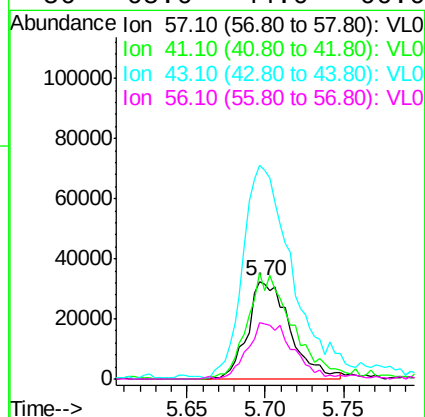
Manual Integrations
APPROVED

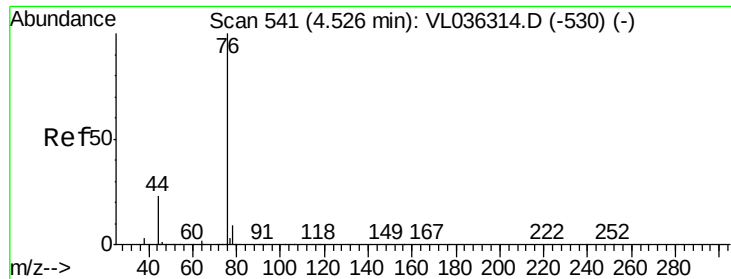
MMDadoda
3/2/2021 3:30:21 PM



#26
Hexane
Concen: 0.372 ppbv m
RT: 5.70 min Scan# 905
Delta R.T. 0.03 min
Lab File: VL036419.D
Acq: 1 Mar 2021 17:51

Tgt Ion	Ratio	Lower	Upper
57	100		
41	122.3	81.7	122.5
43	274.6	199.1	298.7
56	65.6	44.0	66.0





#27

Carbon Disulfide

Concen: 0.366 ppbv m

RT: 4.56 min Scan# 552

Delta R.T. 0.04 min

Lab File: VL036419.D

Acq: 1 Mar 2021 17:51

Instrument :

MSVOA_L

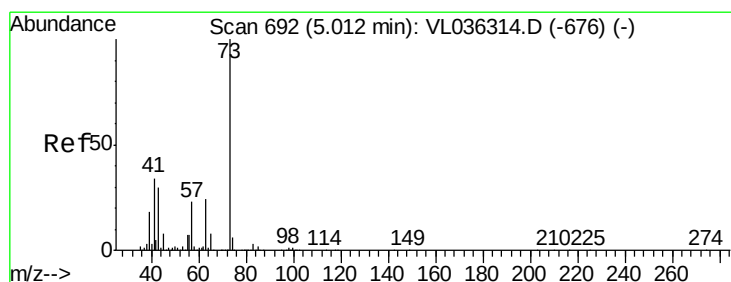
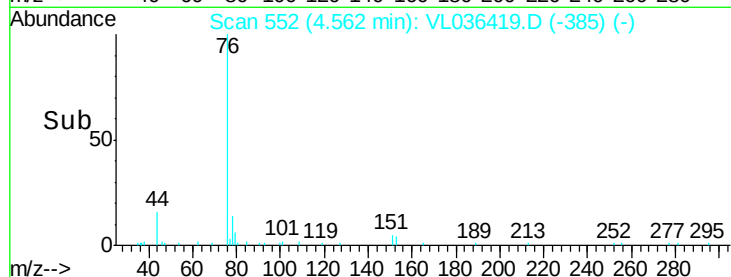
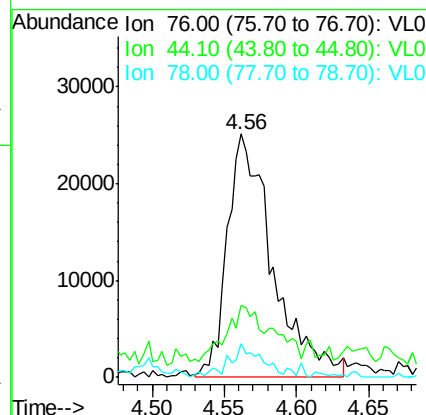
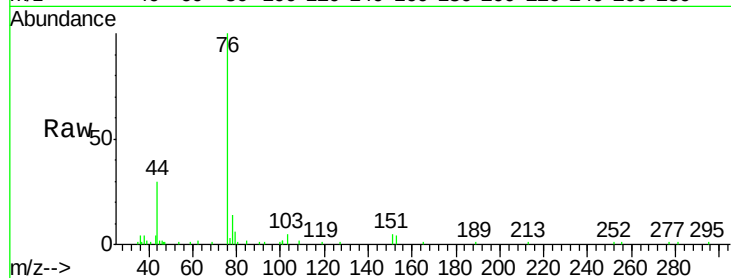
ClientSampleId :

LOD-MDL-AIR-01-QT1-2021

Tgt Ion:	76	Resp:	54778
Ion Ratio	Lower	Upper	
76	100		
44	31.3	18.4	27.6#
78	10.8	8.0	12.0

Manual Integrations
APPROVED

MMDadoda
3/2/2021 3:30:21 PM



#28

Methyl tert-Butyl Ether

Concen: 0.322 ppbv

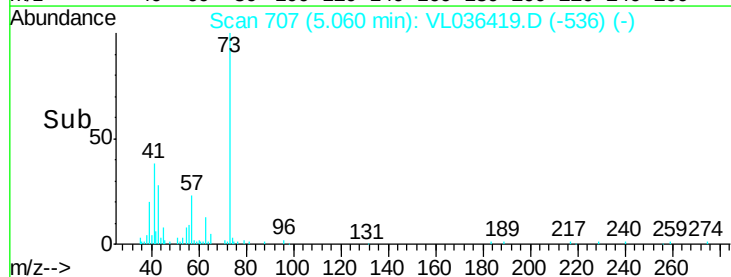
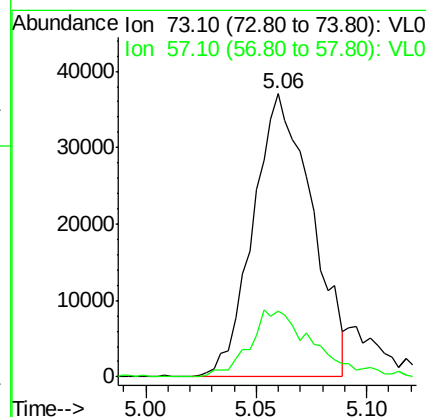
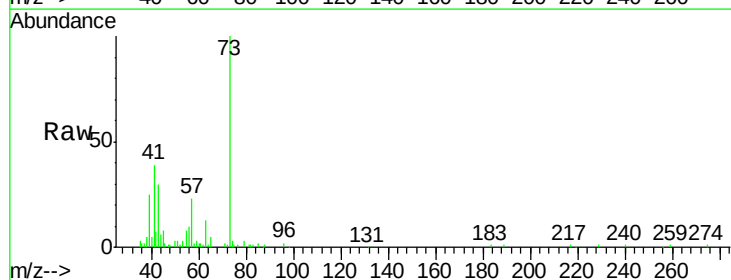
RT: 5.06 min Scan# 707

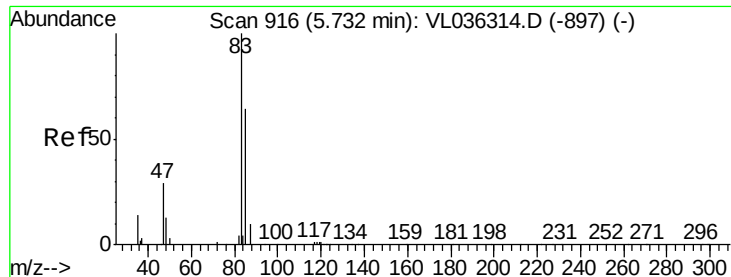
Delta R.T. 0.05 min

Lab File: VL036419.D

Acq: 1 Mar 2021 17:51

Tgt Ion:	73	Resp:	68485
Ion Ratio	Lower	Upper	
73	100		
57	25.8	19.2	28.8





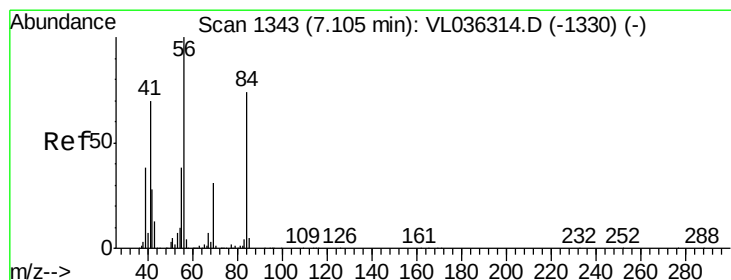
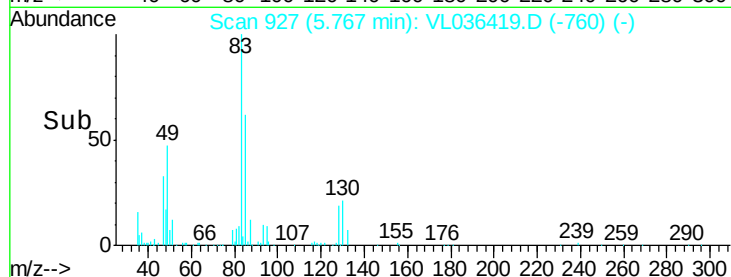
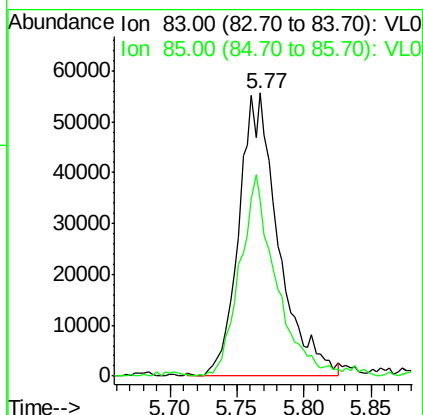
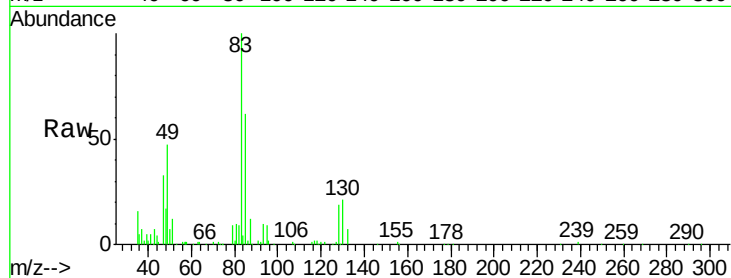
#29
Chloroform
Concen: 0.435 ppbv m
RT: 5.77 min Scan# 927
Delta R.T. 0.04 min
Lab File: VL036419.D
Acq: 1 Mar 2021 17:51

Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT1-2021

Tgt Ion: 83 Resp: 114185
Ion Ratio Lower Upper
83 100
85 62.1 51.4 77.2

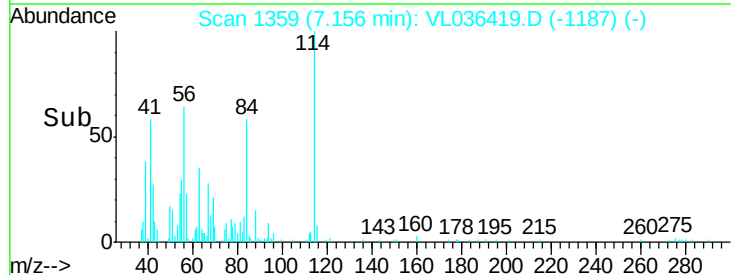
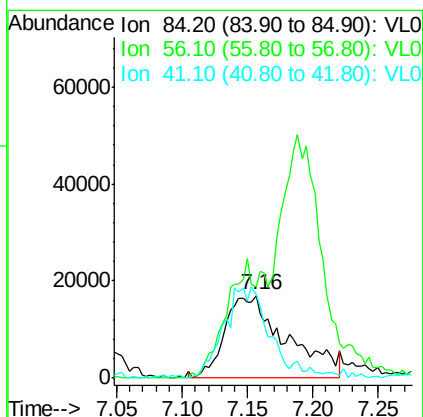
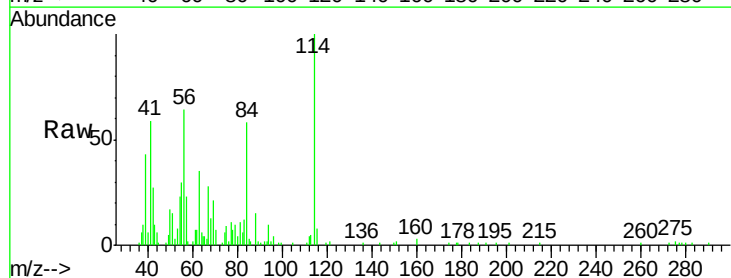
Manual Integrations
APPROVED

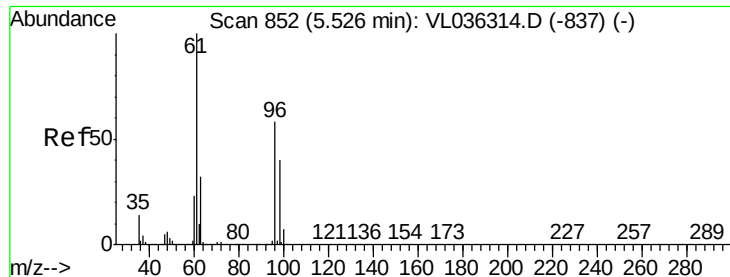
MMDadoda
3/2/2021 3:30:21 PM



#30
Cyclohexane
Concen: 0.413 ppbv m
RT: 7.16 min Scan# 1359
Delta R.T. 0.05 min
Lab File: VL036419.D
Acq: 1 Mar 2021 17:51

Tgt Ion: 84 Resp: 55961
Ion Ratio Lower Upper
84 100
56 0.0 120.2 180.4#
41 86.3 79.7 119.5





#31

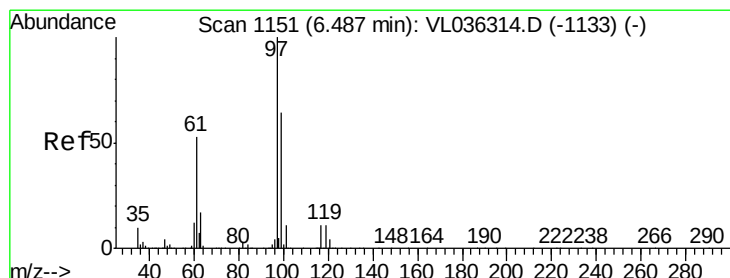
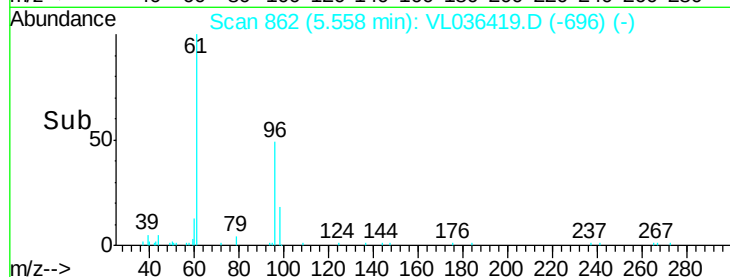
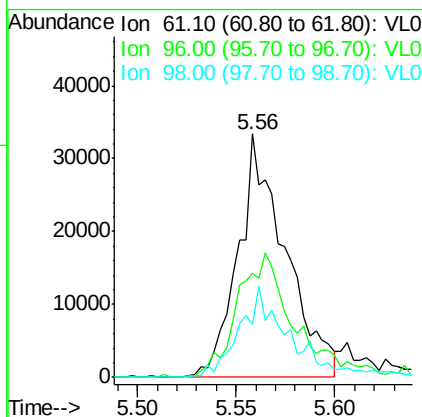
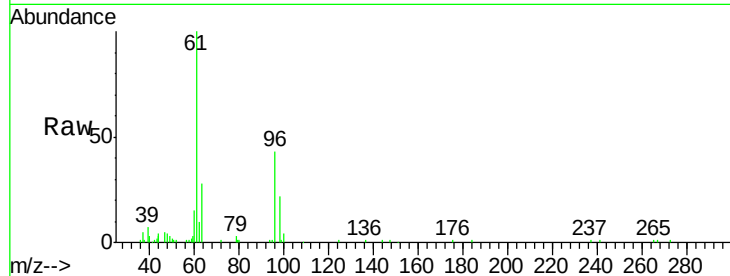
cis-1,2-Dichloroethene
Concen: 0.342 ppbv m
RT: 5.56 min Scan# 862
Delta R.T. 0.03 min
Lab File: VL036419.D
Acq: 1 Mar 2021 17:51

Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT1-2021

Tgt Ion	Ratio	Lower	Upper
61	100		
96	42.9	46.0	69.0#
98	21.9	31.9	47.9#

Manual Integrations
APPROVED

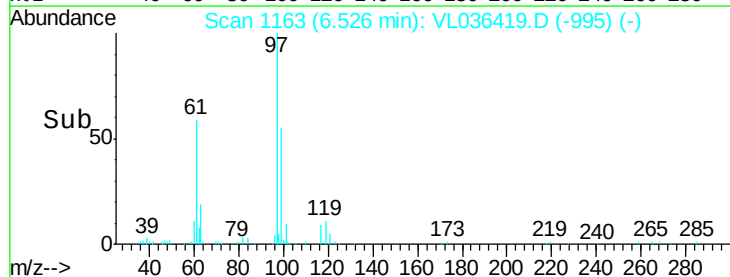
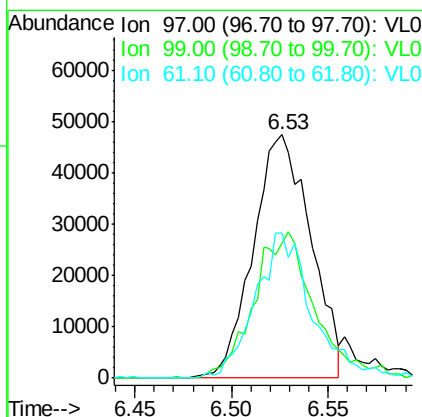
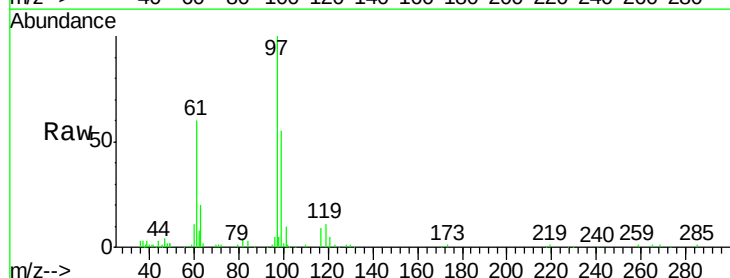
MMDadoda
3/2/2021 3:30:21 PM

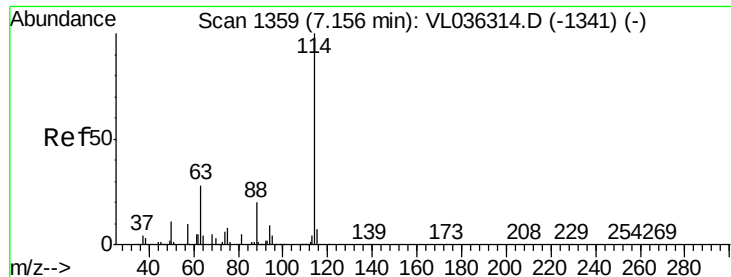


#32

1,1,1-Trichloroethane
Concen: 0.401 ppbv
RT: 6.53 min Scan# 1163
Delta R.T. 0.04 min
Lab File: VL036419.D
Acq: 1 Mar 2021 17:51

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.2	52.2	78.4
61	59.2	43.3	64.9





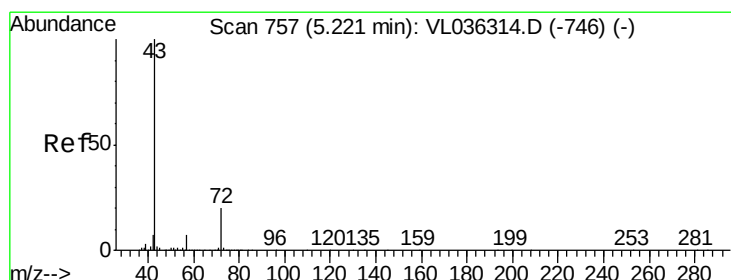
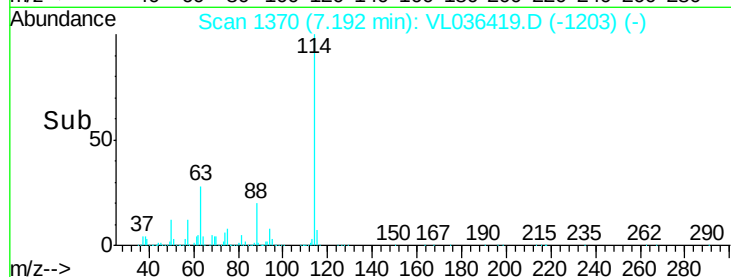
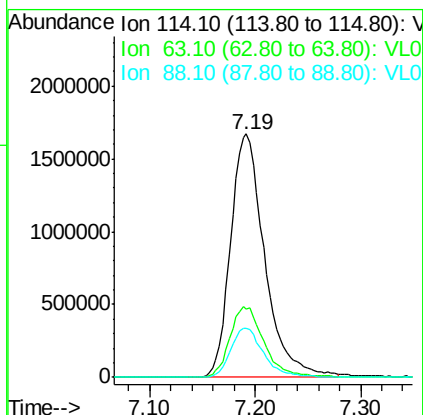
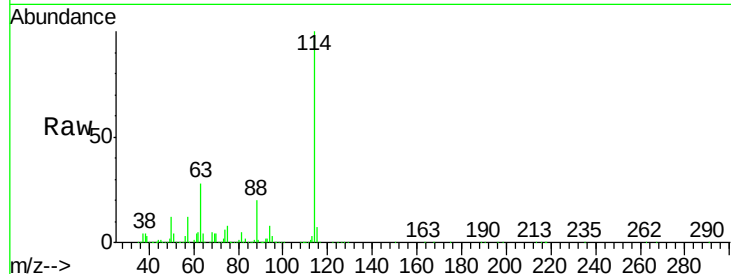
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.19 min Scan# 1370
 Delta R.T. 0.04 min
 Lab File: VL036419.D
 Acq: 1 Mar 2021 17:51

Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT1-2021

Tgt Ion: 114 Resp: 3753862
 Ion Ratio Lower Upper
 114 100
 63 29.5 24.1 36.1
 88 19.7 16.0 24.0

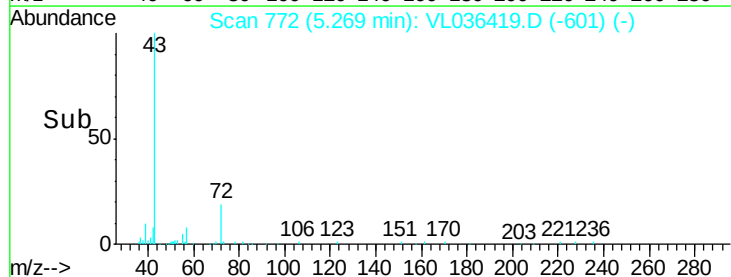
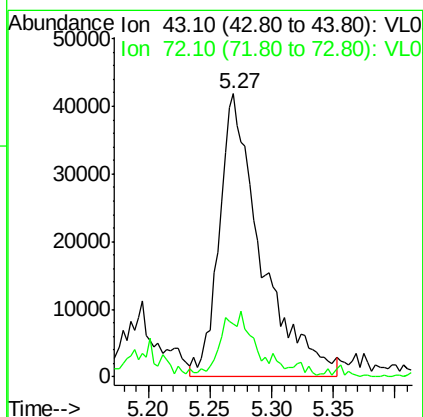
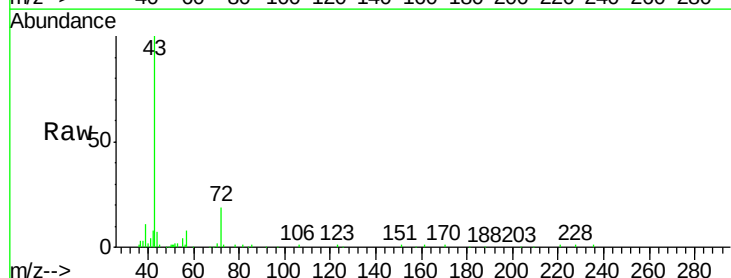
Manual Integrations
 APPROVED

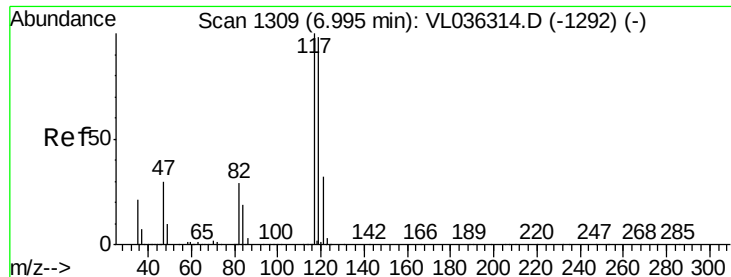
MMDadoda
 3/2/2021 3:30:21 PM



#34
 2-Butanone
 Concen: 0.399 ppbv m
 RT: 5.27 min Scan# 772
 Delta R.T. 0.05 min
 Lab File: VL036419.D
 Acq: 1 Mar 2021 17:51

Tgt Ion: 43 Resp: 99505
 Ion Ratio Lower Upper
 43 100
 72 0.0 16.7 25.1#





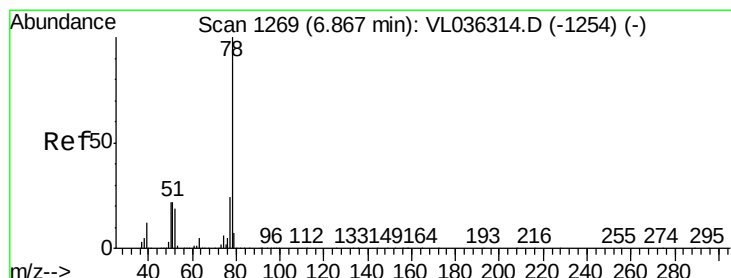
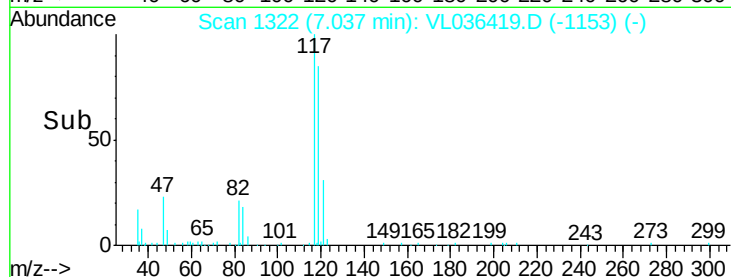
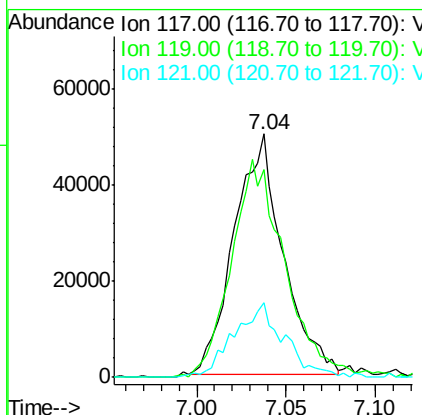
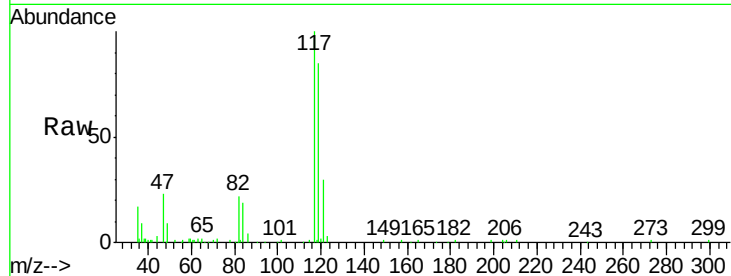
#35
Carbon Tetrachloride
Concen: 0.384 ppbv
RT: 7.04 min Scan# 1322
Delta R.T. 0.04 min
Lab File: VL036419.D
Acq: 1 Mar 2021 17:51

Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT1-2021

Tgt Ion	Ratio	Lower	Upper
117	100		
119	85.9	78.1	117.1
121	30.2	25.8	38.8

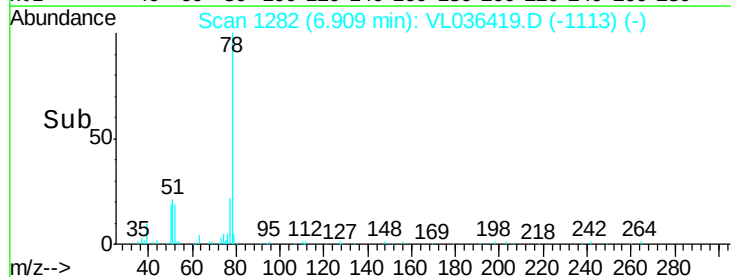
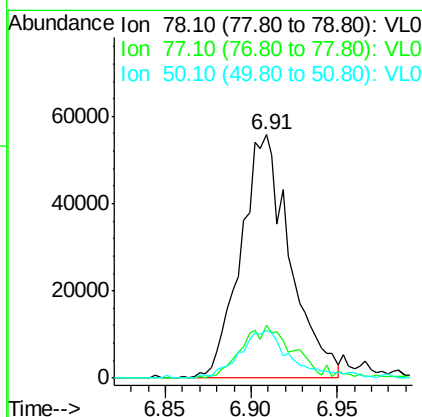
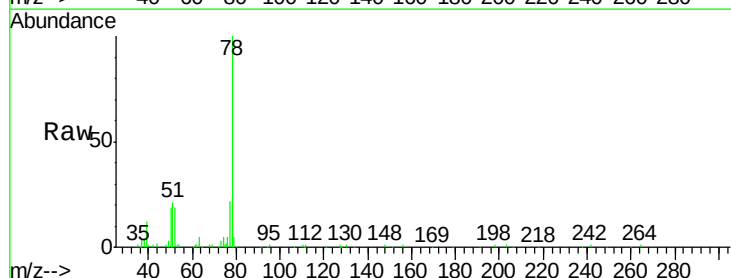
Manual Integrations
APPROVED

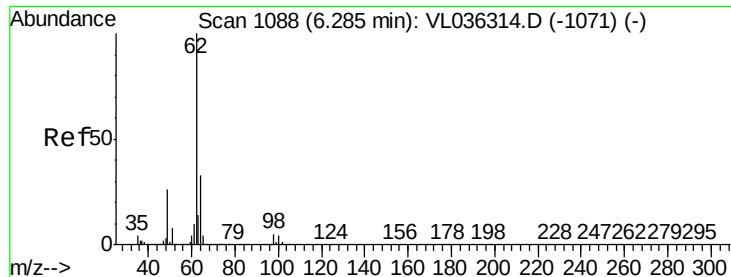
MMDadoda
3/2/2021 3:30:21 PM



#36
Benzene
Concen: 0.344 ppbv
RT: 6.91 min Scan# 1282
Delta R.T. 0.04 min
Lab File: VL036419.D
Acq: 1 Mar 2021 17:51

Tgt Ion	Ratio	Lower	Upper
78	100		
77	21.7	18.9	28.3
50	19.5	17.3	25.9





#37

1,2-Dichloroethane

Concen: 0.394 ppbv

RT: 6.32 min Scan# 1100

Delta R.T. 0.04 min

Lab File: VL036419.D

Acq: 1 Mar 2021 17:51

Instrument :

MSVOA_L

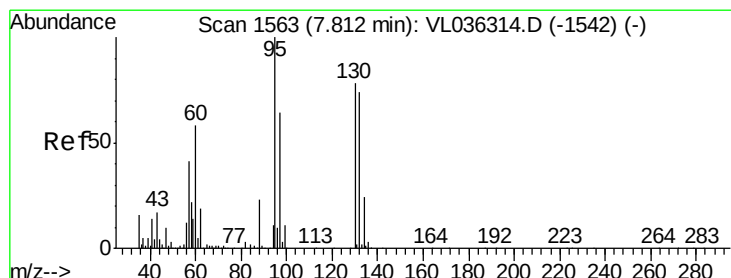
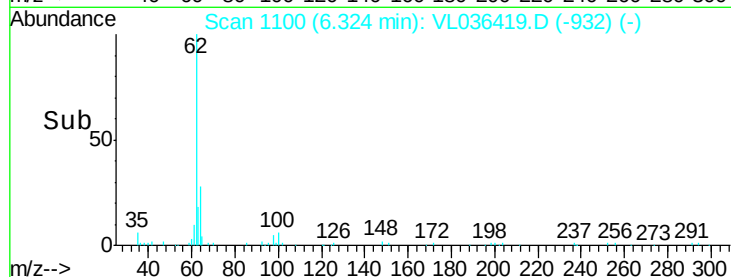
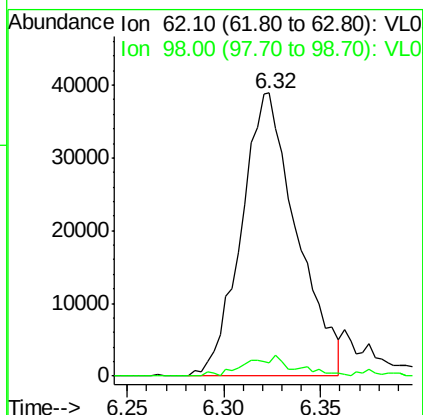
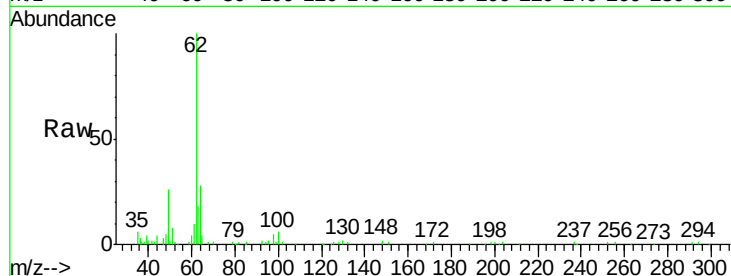
ClientSampleId :

LOD-MDL-AIR-01-QT1-2021

Tgt Ion:	62	Resp:	77759
Ion Ratio	Lower	Upper	
62	100		
98	6.4	4.5	6.7

Manual Integrations
APPROVED

MMDadoda
3/2/2021 3:30:21 PM



#38

Trichloroethene

Concen: 0.325 ppbv

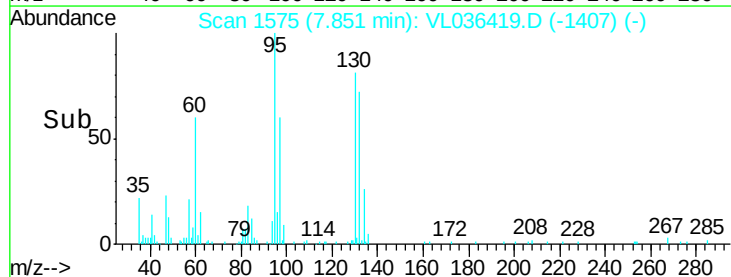
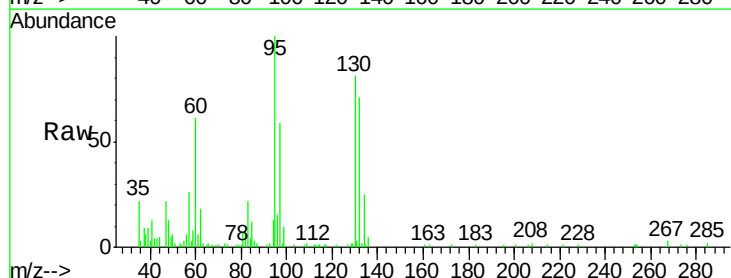
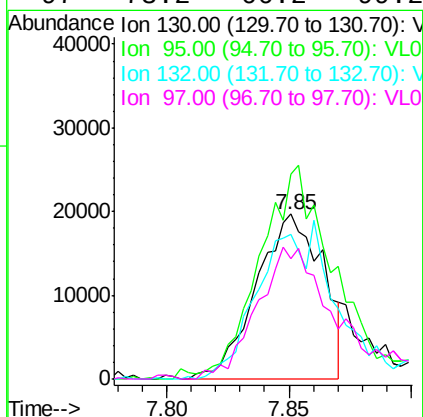
RT: 7.85 min Scan# 1575

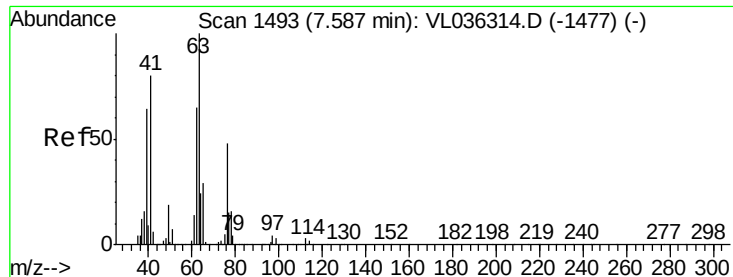
Delta R.T. 0.04 min

Lab File: VL036419.D

Acq: 1 Mar 2021 17:51

Tgt Ion:	130	Resp:	37140
Ion Ratio	Lower	Upper	
130	100		
95	120.1	102.8	154.2
132	86.8	75.7	113.5
97	73.2	66.2	99.2





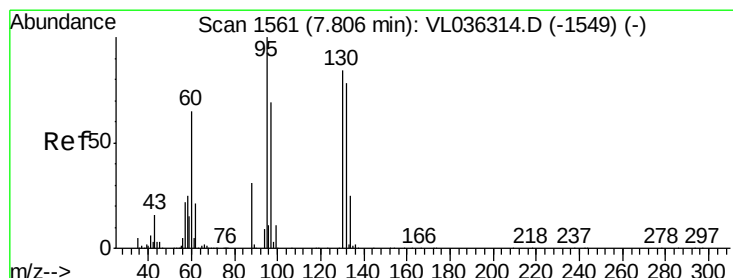
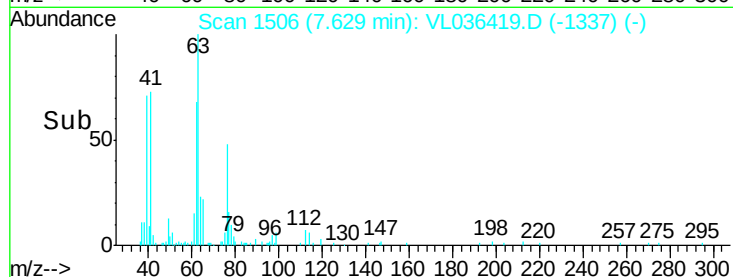
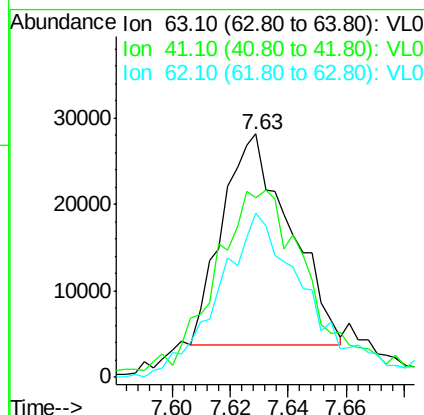
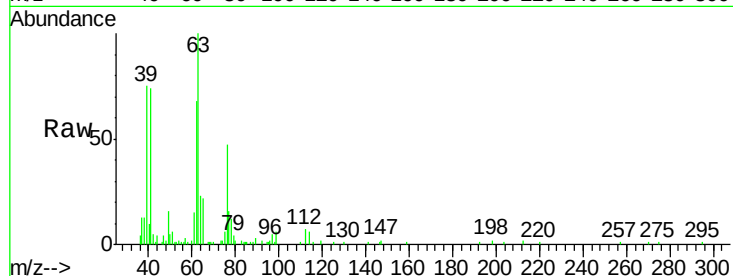
#39
 1,2-Dichloropropane
 Concen: 0.303 ppbv
 RT: 7.63 min Scan# 1506
 Delta R.T. 0.04 min
 Lab File: VL036419.D
 Acq: 1 Mar 2021 17:51

Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT1-2021

Tgt Ion	Ratio	Lower	Upper
63	100		
41	63.7	63.8	95.6#
62	64.7	52.3	78.5

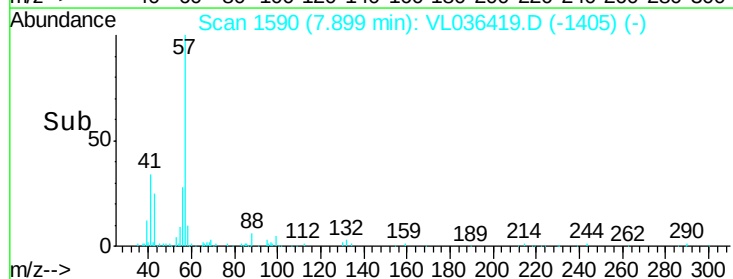
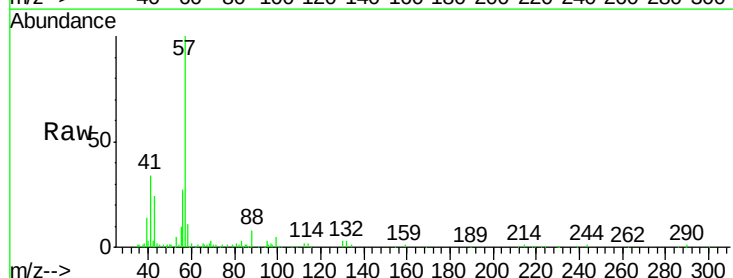
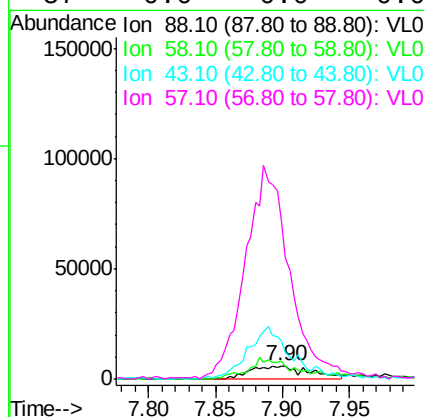
Manual Integrations
 APPROVED

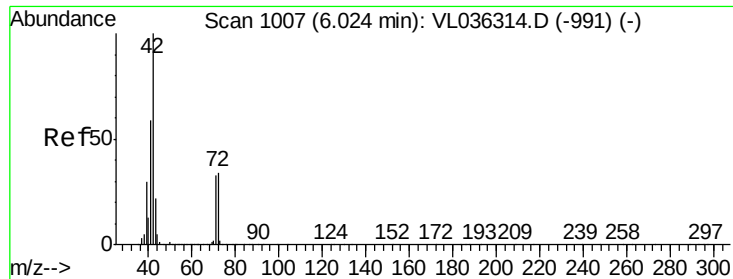
MMDadoda
 3/2/2021 3:30:21 PM



#40
 1,4-Dioxane
 Concen: 0.403 ppbv m
 RT: 7.90 min Scan# 1590
 Delta R.T. 0.09 min
 Lab File: VL036419.D
 Acq: 1 Mar 2021 17:51

Tgt Ion	Ratio	Lower	Upper
88	100		
58	0.0	45.0	67.4#
43	0.0	0.0	0.0
57	0.0	0.0	0.0





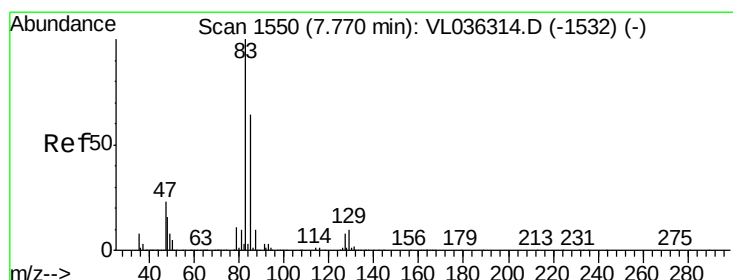
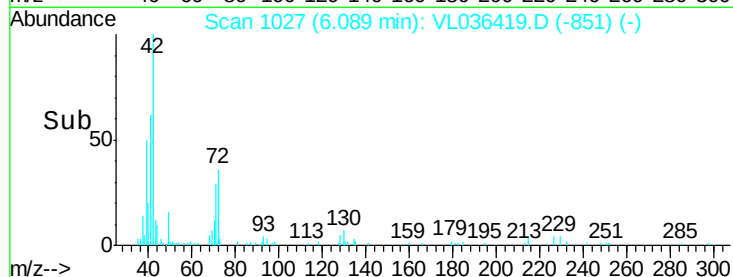
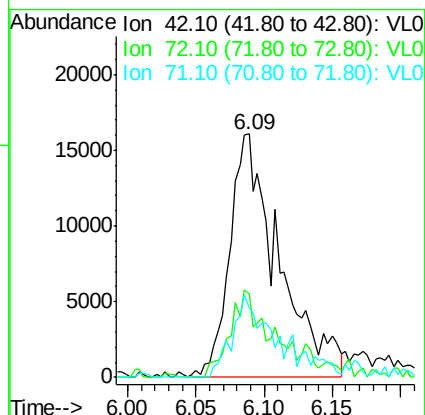
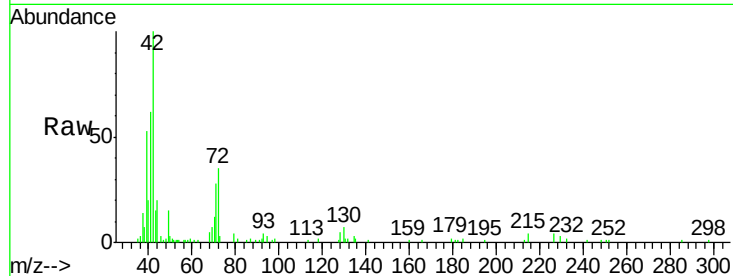
#41
Tetrahydrofuran
Concen: 0.288 ppbv m
RT: 6.09 min Scan# 1027
Delta R.T. 0.06 min
Lab File: VL036419.D
Acq: 1 Mar 2021 17:51

Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT1-2021

Tgt Ion	Ratio	Lower	Upper
42	100		
72	37.6	29.3	43.9
71	35.2	27.8	41.8

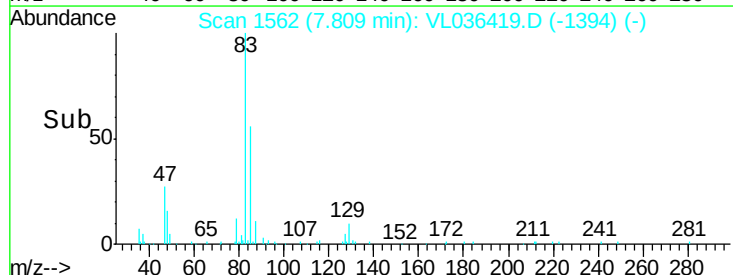
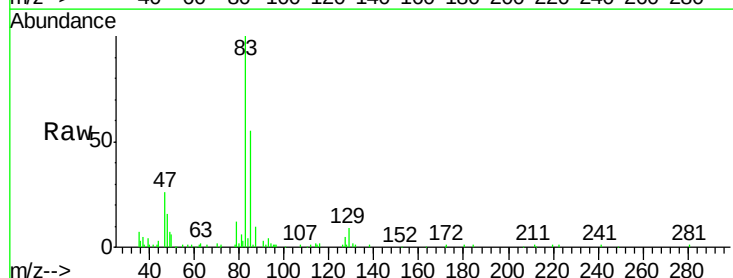
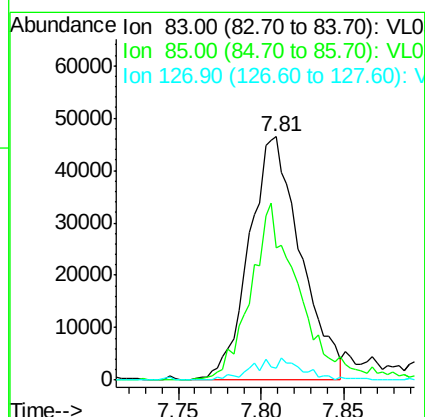
Manual Integrations
APPROVED

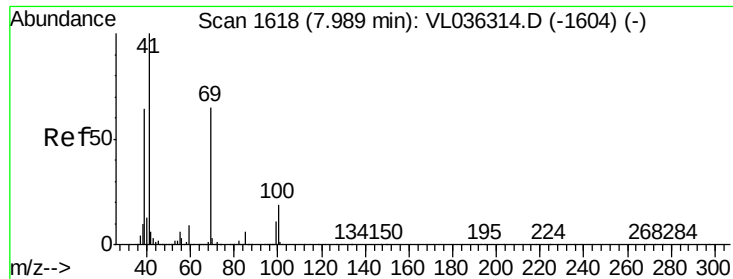
MMDadoda
3/2/2021 3:30:21 PM



#42
Bromodichloromethane
Concen: 0.380 ppbv
RT: 7.81 min Scan# 1562
Delta R.T. 0.04 min
Lab File: VL036419.D
Acq: 1 Mar 2021 17:51

Tgt Ion	Ratio	Lower	Upper
83	100		
85	54.6	51.1	76.7
127	4.7	6.3	9.5#





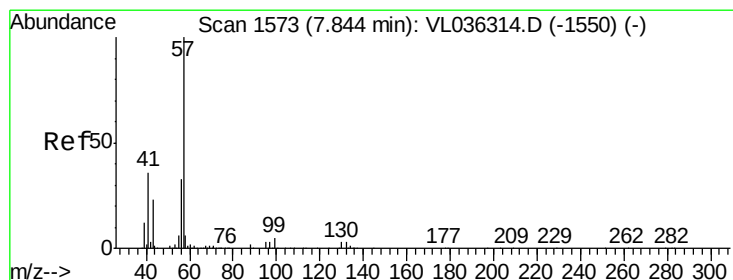
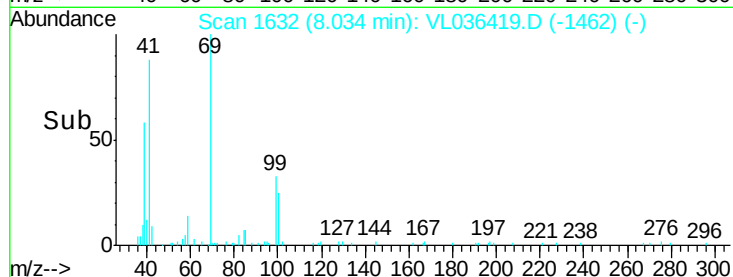
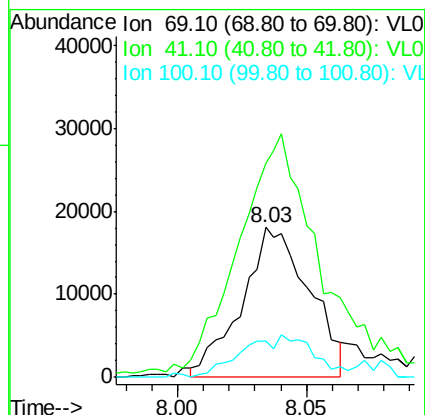
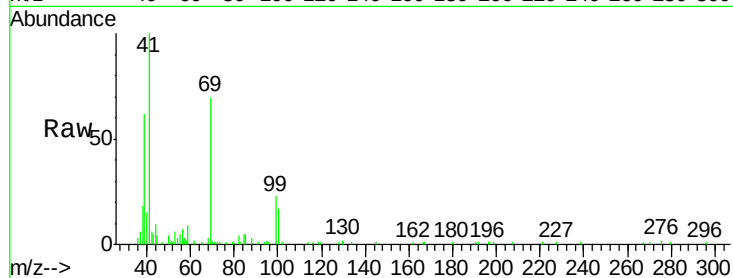
#43
Methyl Methacrylate
Concen: 0.243 ppbv
RT: 8.03 min Scan# 1632
Delta R.T. 0.05 min
Lab File: VL036419.D
Acq: 1 Mar 2021 17:51

Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT1-2021

Tgt Ion	Ratio	Lower	Upper
69	100		
41	191.8	126.5	189.7#
100	35.4	23.1	34.7#

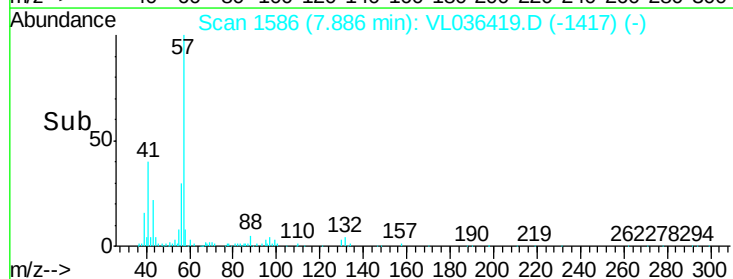
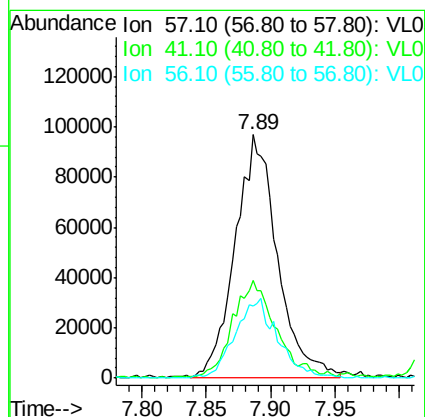
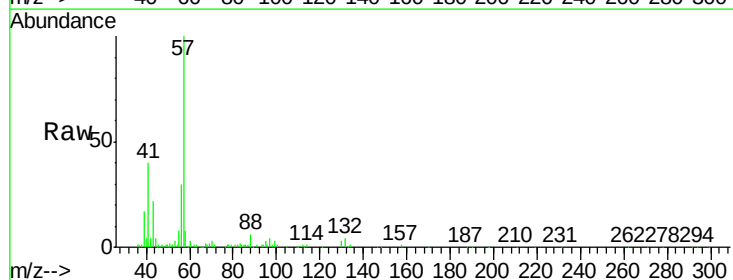
Manual Integrations
APPROVED

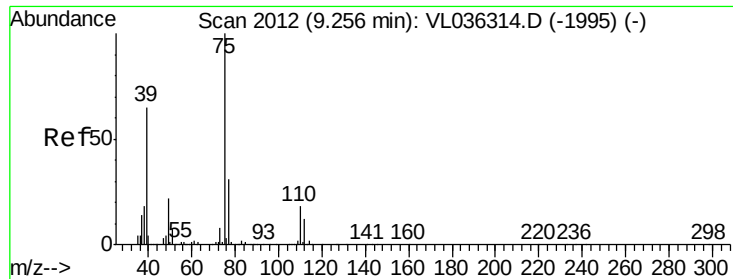
MMDadoda
3/2/2021 3:30:21 PM



#44
2,2,4-Trimethylpentane
Concen: 0.379 ppbv
RT: 7.89 min Scan# 1586
Delta R.T. 0.04 min
Lab File: VL036419.D
Acq: 1 Mar 2021 17:51

Tgt Ion	Ratio	Lower	Upper
57	100		
41	41.3	28.8	43.2
56	33.1	25.8	38.6





#45

t-1,3-Dichloropropene

Concen: 0.241 ppbv m

RT: 9.30 min Scan# 2026

Delta R.T. 0.05 min

Lab File: VL036419.D

Acq: 1 Mar 2021 17:51

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT1-2021

Tgt Ion: 75 Resp: 31248

Ion Ratio Lower Upper

75 100

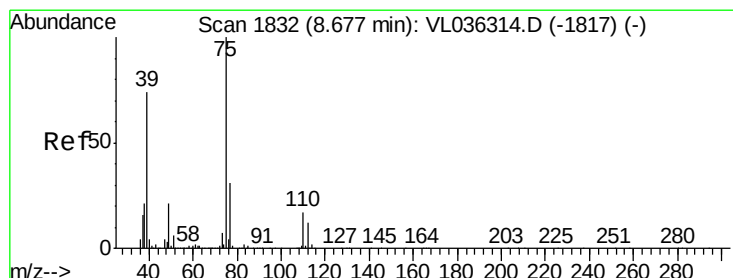
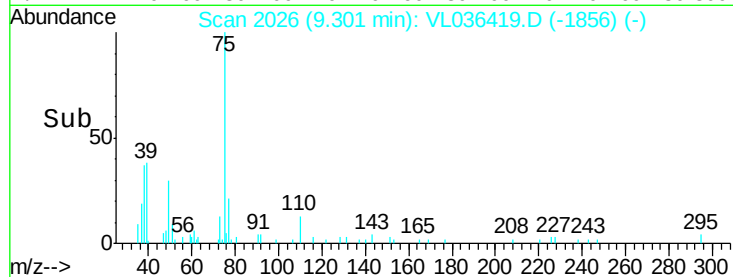
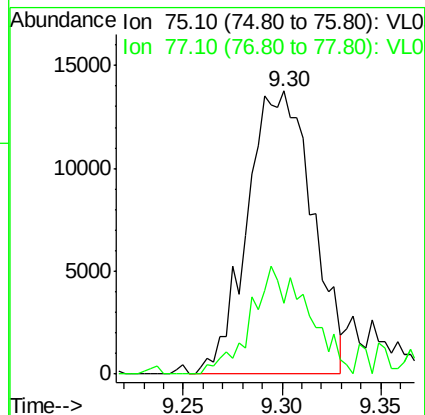
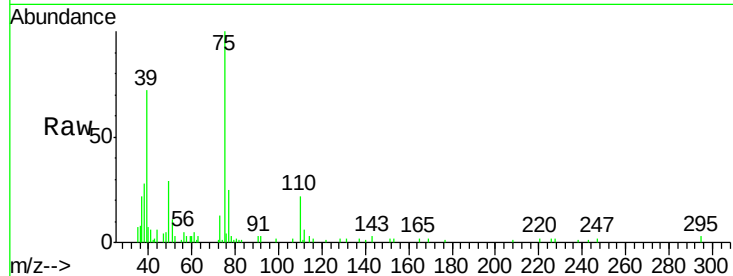
77 25.3 24.6 37.0

Manual Integrations

APPROVED

MMDadoda

3/2/2021 3:30:21 PM



#46

cis-1,3-Dichloropropene

Concen: 0.291 ppbv m

RT: 8.73 min Scan# 1848

Delta R.T. 0.05 min

Lab File: VL036419.D

Acq: 1 Mar 2021 17:51

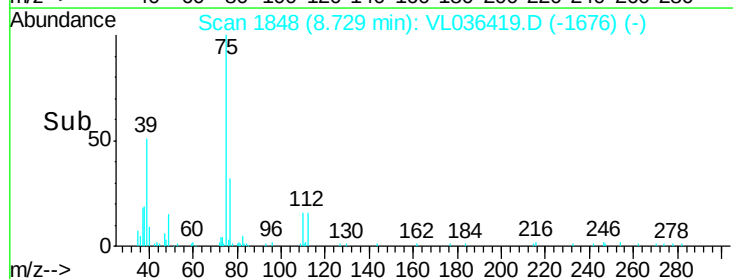
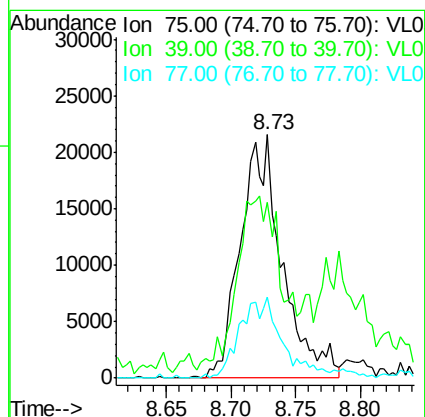
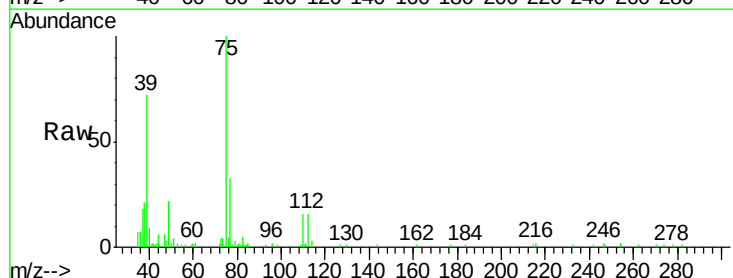
Tgt Ion: 75 Resp: 47955

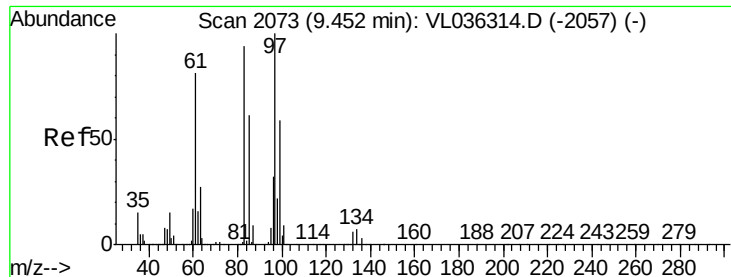
Ion Ratio Lower Upper

75 100

39 72.0 59.2 88.8

77 33.1 25.0 37.6





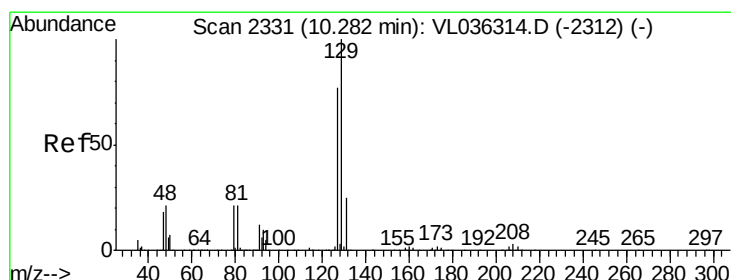
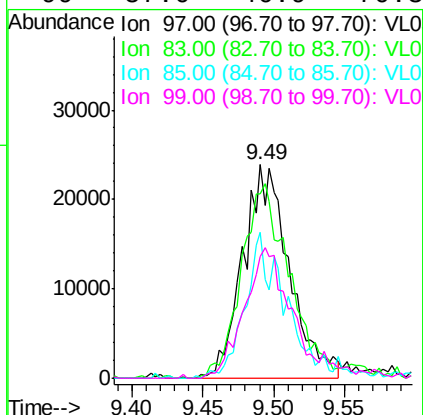
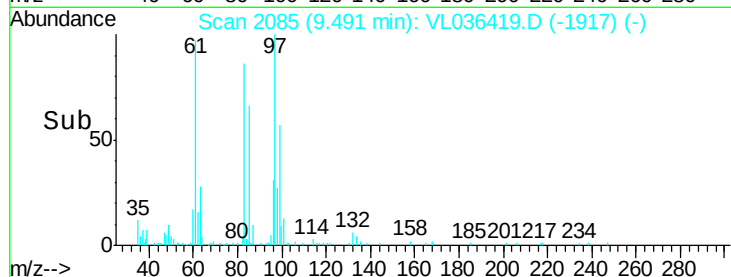
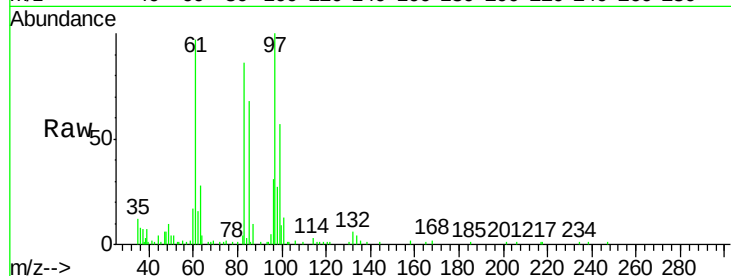
#47
 1,1,2-Trichloroethane
 Concen: 0.407 ppbv m
 RT: 9.49 min Scan# 2085
 Delta R.T. 0.04 min
 Lab File: VL036419.D
 Acq: 1 Mar 2021 17:51

Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT1-2021

Tgt Ion	Ratio	Lower	Upper
97	100		
83	86.0	75.4	113.0
85	68.4	48.9	73.3
99	57.0	46.9	70.3

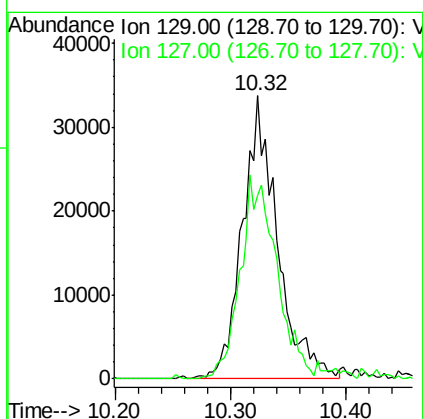
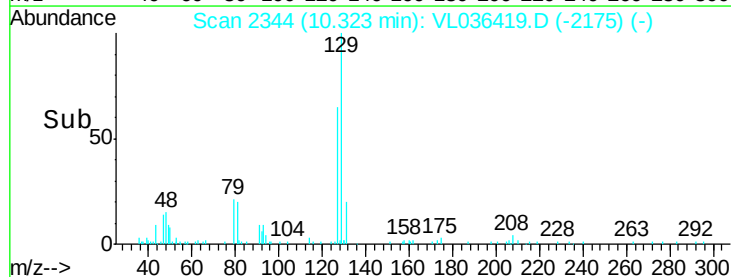
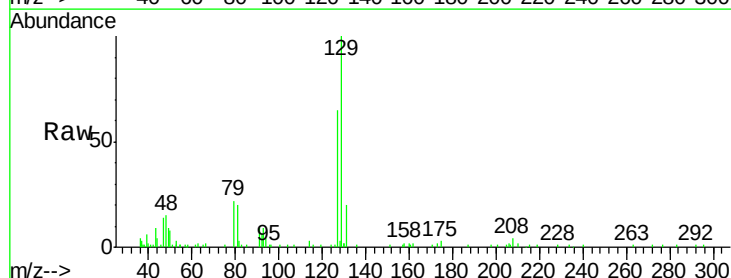
Manual Integrations
 APPROVED

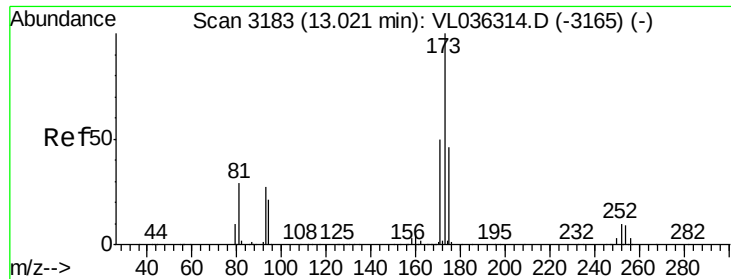
MMDadoda
 3/2/2021 3:30:21 PM



#48
 Dibromochloromethane
 Concen: 0.356 ppbv m
 RT: 10.32 min Scan# 2344
 Delta R.T. 0.04 min
 Lab File: VL036419.D
 Acq: 1 Mar 2021 17:51

Tgt Ion	Ratio	Lower	Upper
129	100		
127	75.8	39.1	117.2





#49

Bromoform

Concen: 0.338 ppbv m

RT: 13.06 min Scan# 3196

Delta R.T. 0.04 min

Lab File: VL036419.D

Acq: 1 Mar 2021 17:51

Instrument :

MSVOA_L

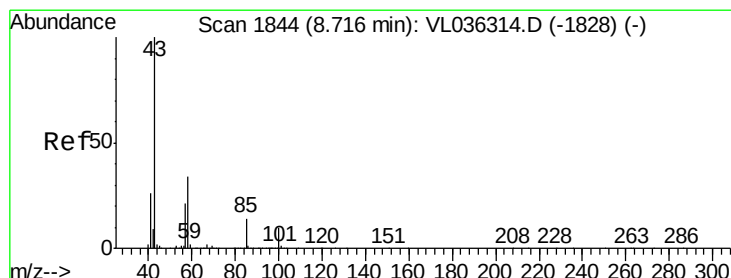
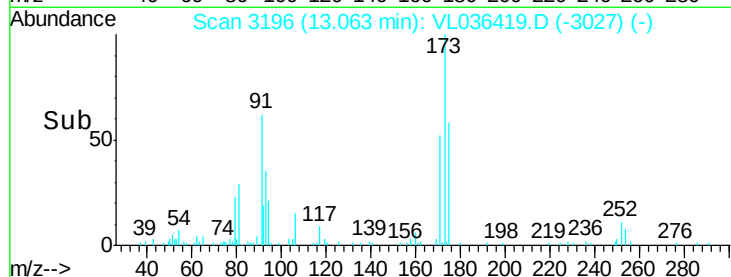
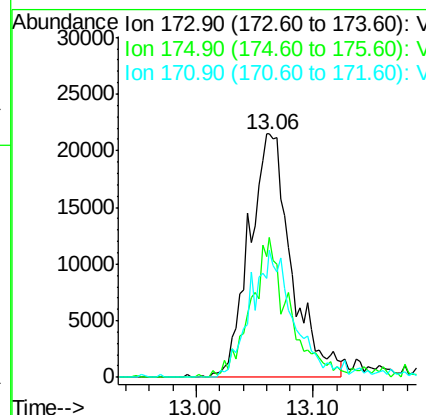
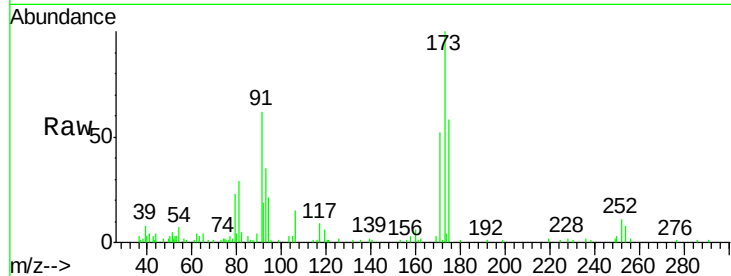
ClientSampleId :

LOD-MDL-AIR-01-QT1-2021

Tgt Ion:	173	Resp:	54123
Ion Ratio	Lower	Upper	
173	100		
175	0.0	40.2	60.2#
171	0.0	43.4	65.2#

Manual Integrations
APPROVED

MMDadoda
3/2/2021 3:30:21 PM



#50

4-Methyl-2-Pentanone

Concen: 0.326 ppbv m

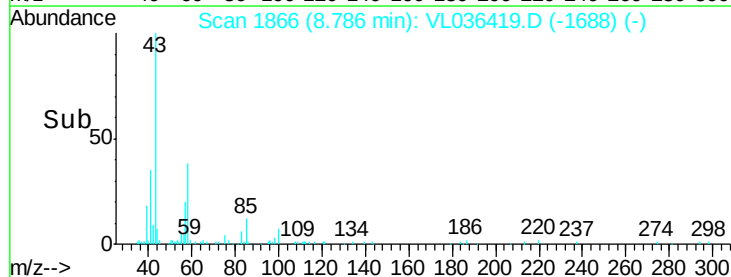
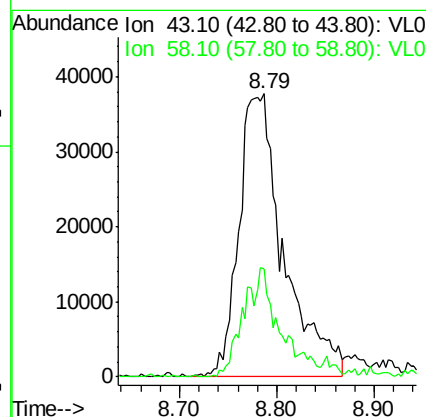
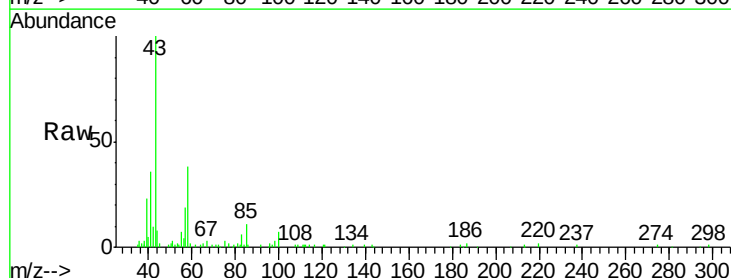
RT: 8.79 min Scan# 1866

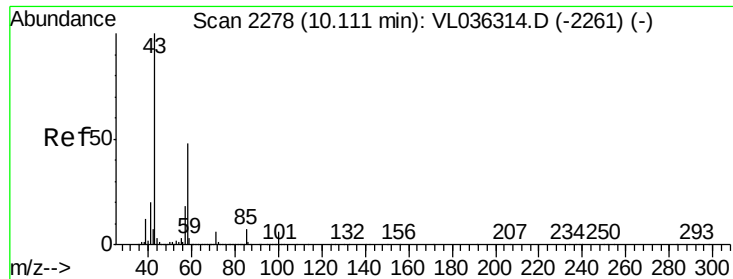
Delta R.T. 0.07 min

Lab File: VL036419.D

Acq: 1 Mar 2021 17:51

Tgt Ion:	43	Resp:	120731
Ion Ratio	Lower	Upper	
43	100		
58	0.0	27.8	41.6#





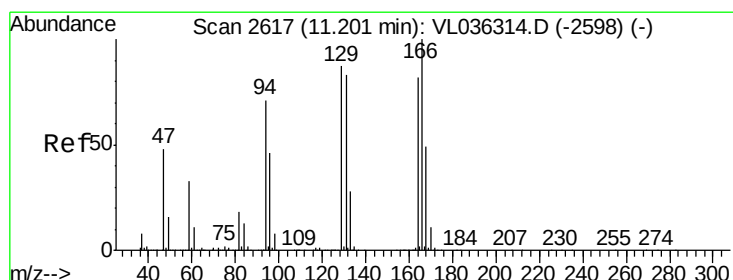
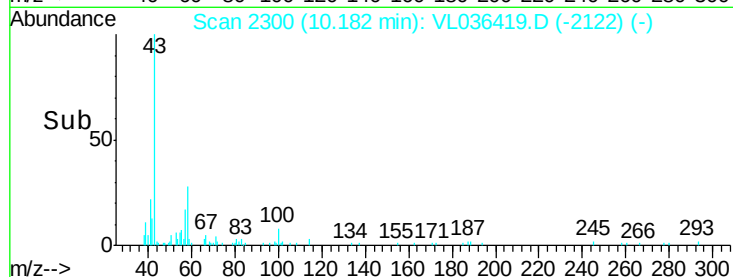
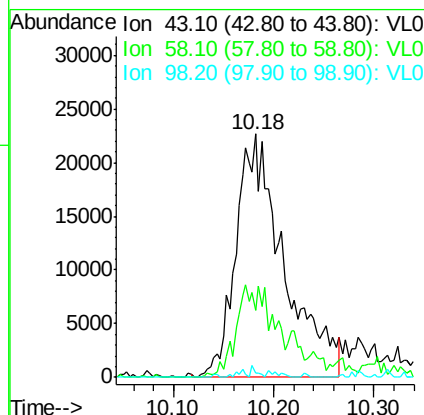
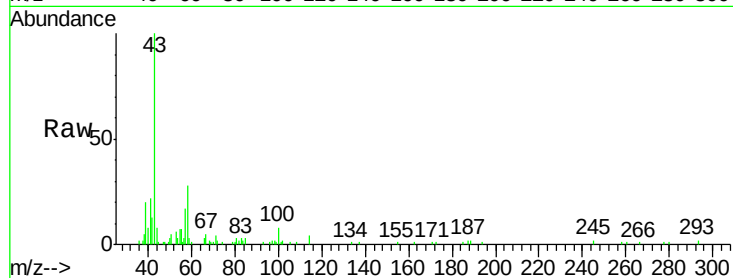
#51
2-Hexanone
Concen: 0.266 ppbv m
RT: 10.18 min Scan# 2300
Delta R.T. 0.07 min
Lab File: VL036419.D
Acq: 1 Mar 2021 17:51

Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT1-2021

Tgt Ion	Ratio	Lower	Upper
43	100		
58	39.0	38.7	58.1
98	0.0	0.4	0.6#

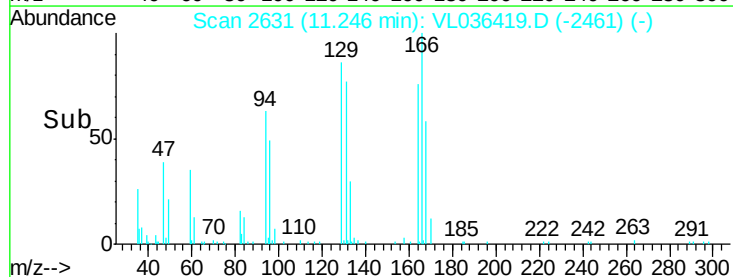
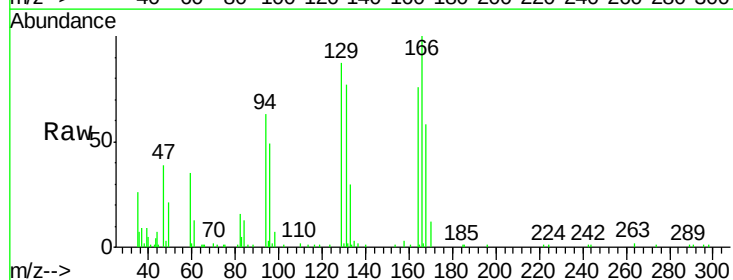
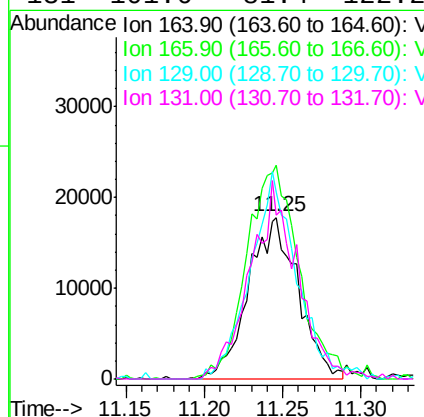
Manual Integrations
APPROVED

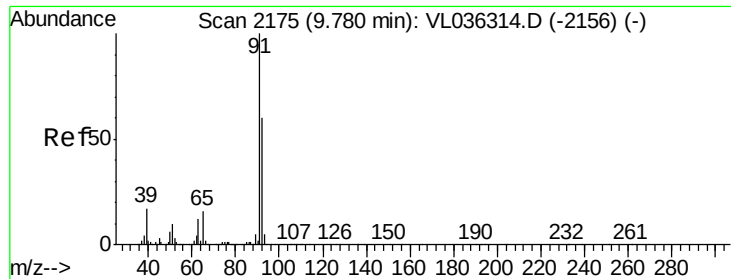
MMDadoda
3/2/2021 3:30:21 PM



#52
Tetrachloroethene
Concen: 0.337 ppbv m
RT: 11.25 min Scan# 2631
Delta R.T. 0.05 min
Lab File: VL036419.D
Acq: 1 Mar 2021 17:51

Tgt Ion	Ratio	Lower	Upper
164	100		
166	132.1	97.8	146.8
129	115.2	84.9	127.3
131	101.6	81.4	122.2





#53

Toluene

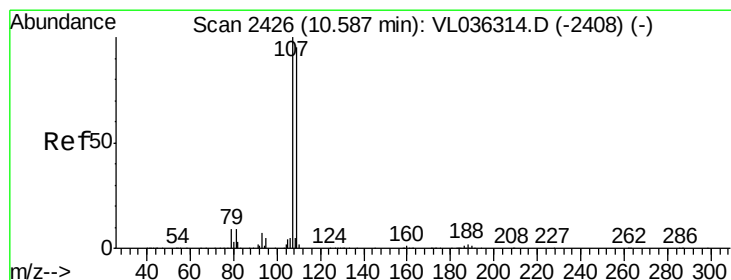
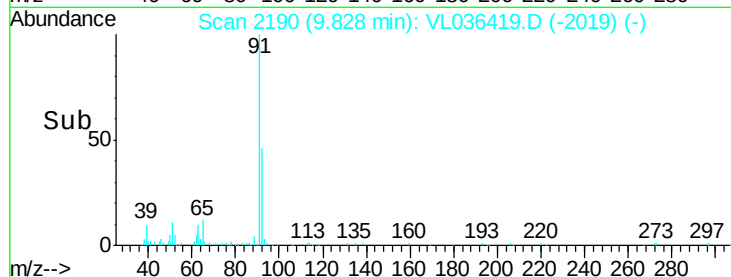
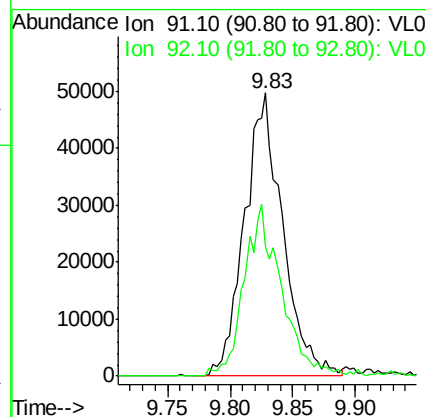
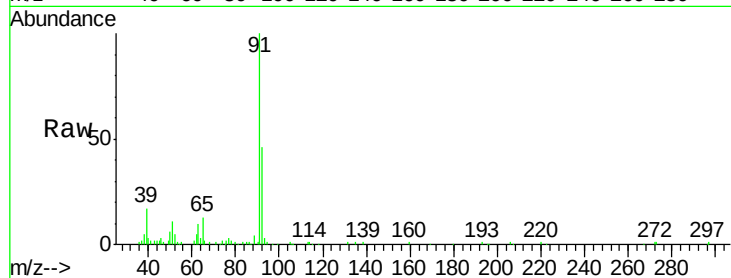
Concen: 0.306 ppbv m
RT: 9.83 min Scan# 2190
Delta R.T. 0.05 min
Lab File: VL036419.D
Acq: 1 Mar 2021 17:51

Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT1-2021

Tgt Ion: 91 Resp: 105863
Ion Ratio Lower Upper
91 100
92 58.7 48.6 72.8

Manual Integrations
APPROVED

MMDadoda
3/2/2021 3:30:21 PM

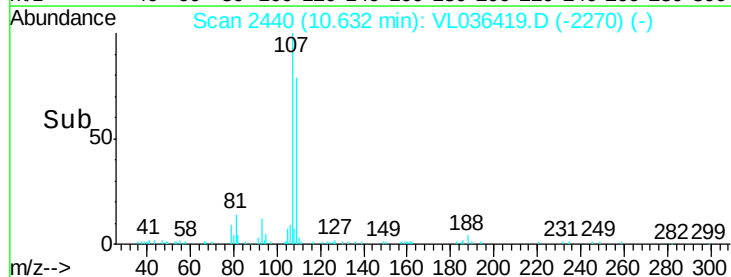
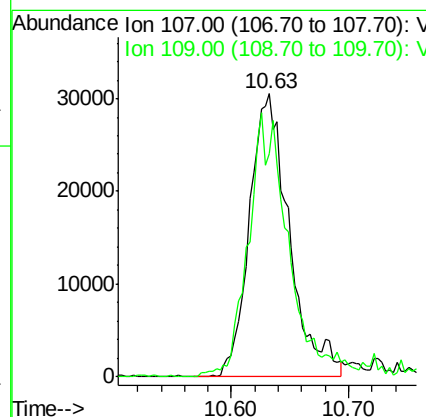
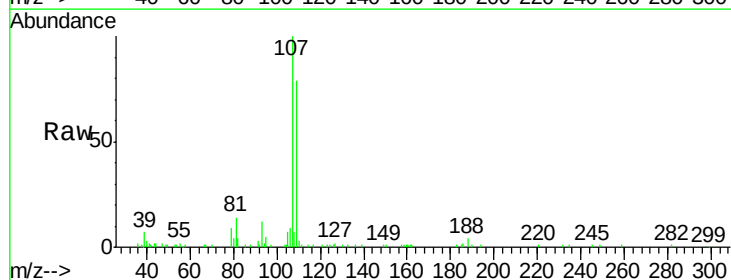


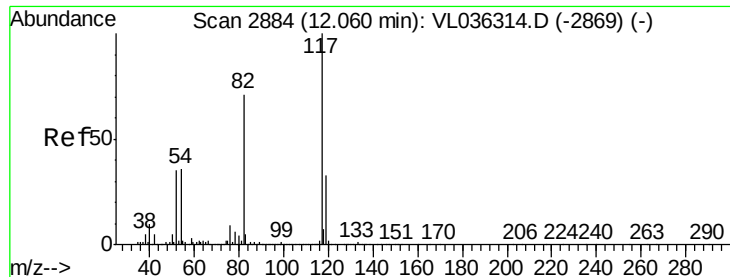
#54

1,2-Dibromoethane

Concen: 0.374 ppbv m
RT: 10.63 min Scan# 2440
Delta R.T. 0.05 min
Lab File: VL036419.D
Acq: 1 Mar 2021 17:51

Tgt Ion: 107 Resp: 71559
Ion Ratio Lower Upper
107 100
109 78.7 76.0 114.0





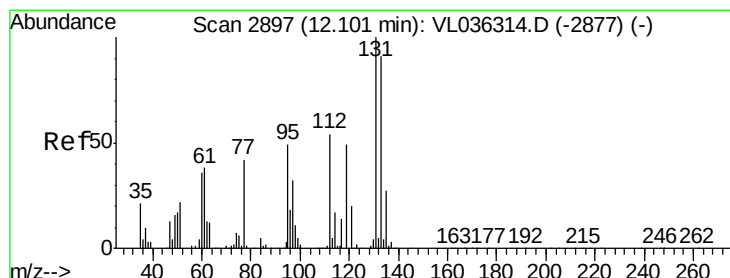
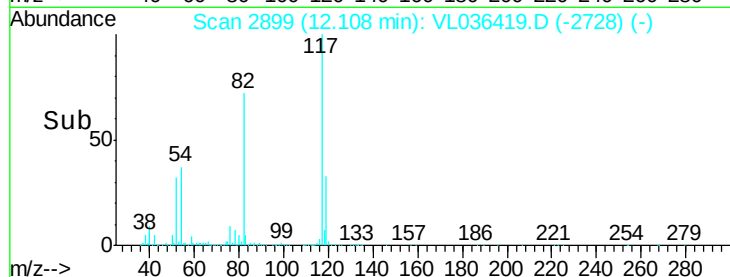
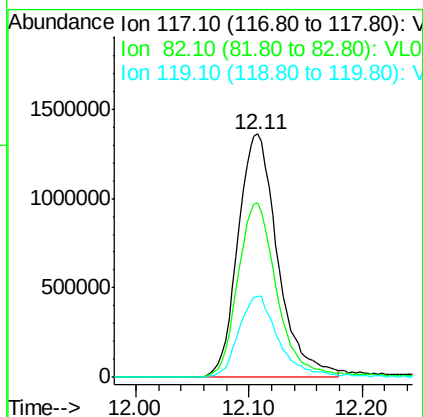
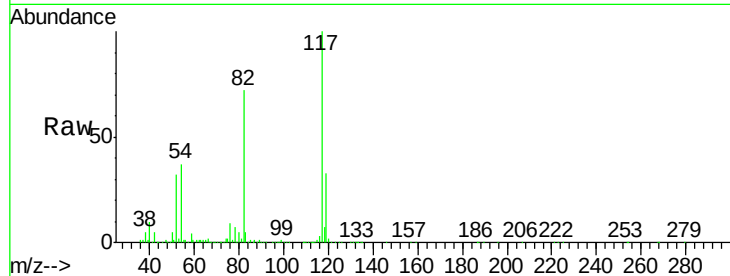
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.11 min Scan# 2899
Delta R.T. 0.05 min
Lab File: VL036419.D
Acq: 1 Mar 2021 17:51

Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT1-2021

Tgt Ion:117 Resp: 3327129
Ion Ratio Lower Upper
117 100
82 72.8 59.1 88.7
119 34.4 46.3 69.5#

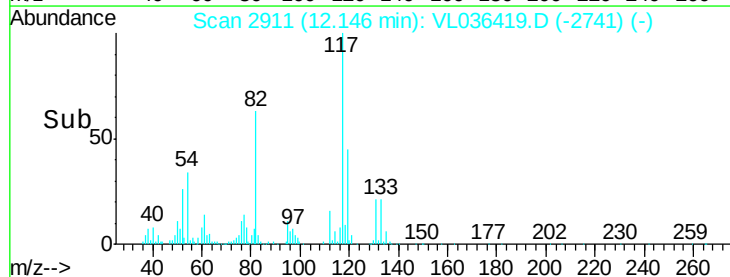
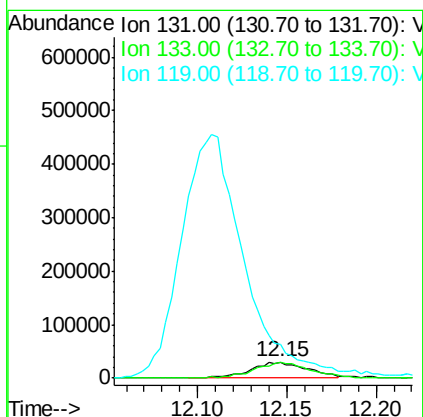
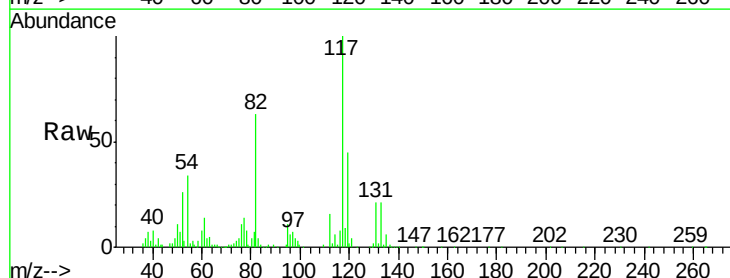
Manual Integrations
APPROVED

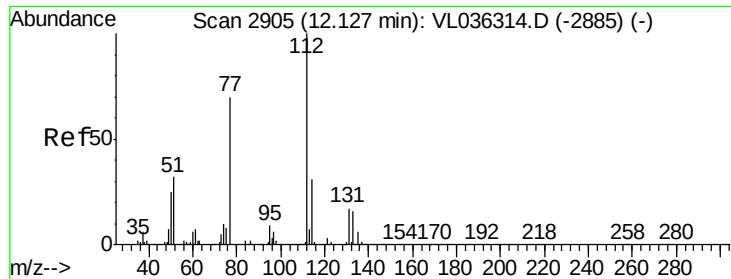
MMDadoda
3/2/2021 3:30:21 PM



#56
1,1,1,2-Tetrachloroethane
Concen: 0.425 ppbv
RT: 12.15 min Scan# 2911
Delta R.T. 0.05 min
Lab File: VL036419.D
Acq: 1 Mar 2021 17:51

Tgt Ion:131 Resp: 65034
Ion Ratio Lower Upper
131 100
133 105.1 76.0 114.0
119 1748.9 115.1 172.7#





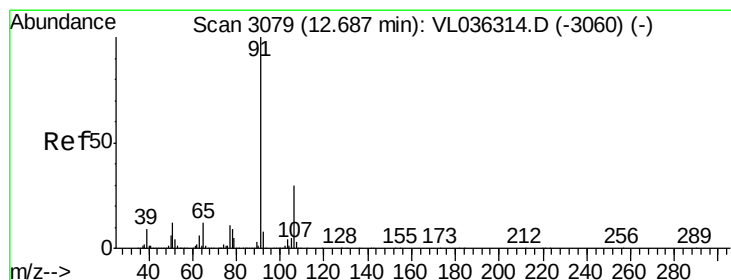
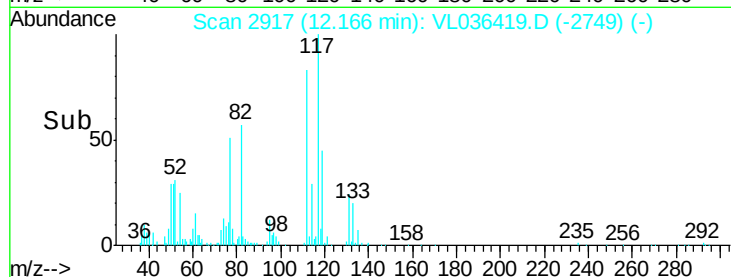
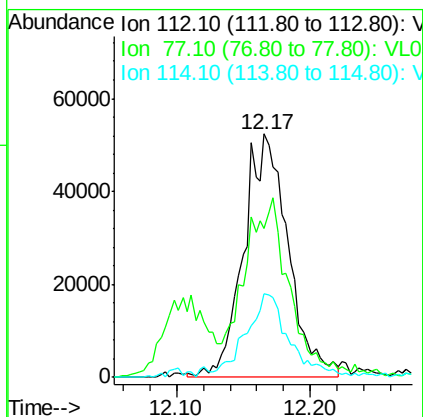
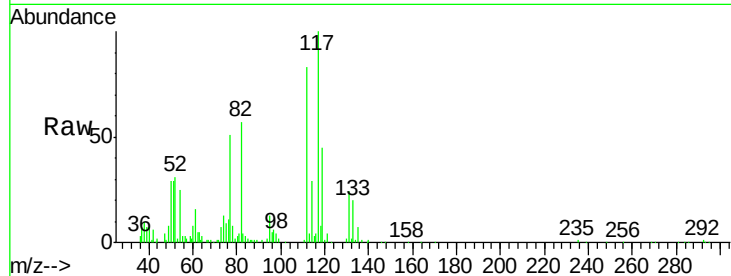
#57
Chlorobenzene
Concen: 0.469 ppbv m
RT: 12.17 min Scan# 2917
Delta R.T. 0.04 min
Lab File: VL036419.D
Acq: 1 Mar 2021 17:51

Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT1-2021

Tgt Ion	Ratio	Lower	Upper
112	100		
77	61.1	56.1	84.1
114	34.3	28.3	34.5

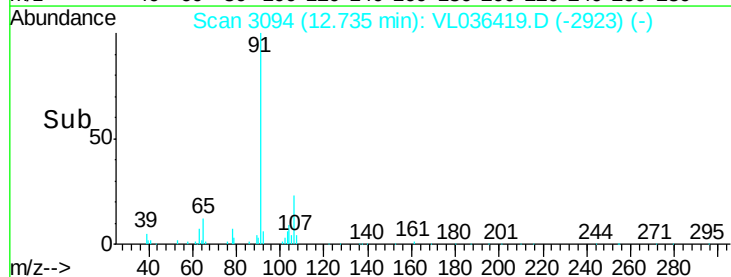
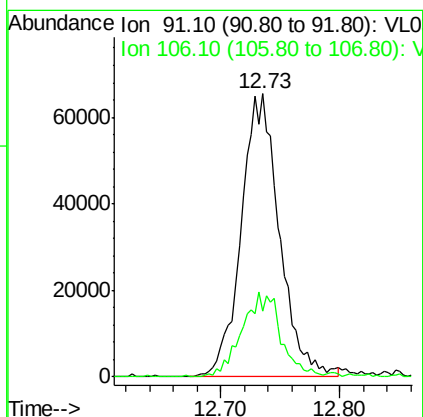
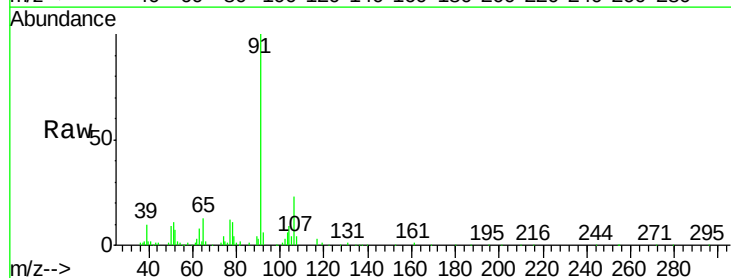
Manual Integrations
APPROVED

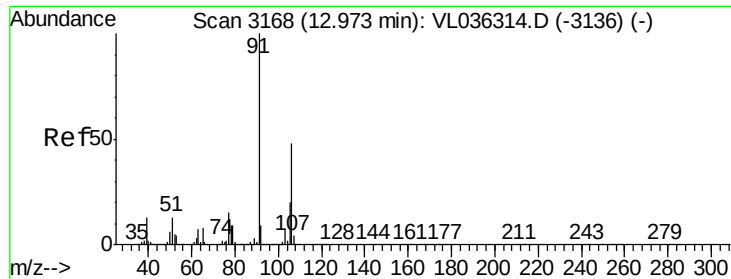
MMDadoda
3/2/2021 3:30:21 PM



#58
Ethyl Benzene
Concen: 0.324 ppbv m
RT: 12.73 min Scan# 3094
Delta R.T. 0.05 min
Lab File: VL036419.D
Acq: 1 Mar 2021 17:51

Tgt Ion	Ratio	Lower	Upper
91	100		
106	23.2	23.8	35.6#





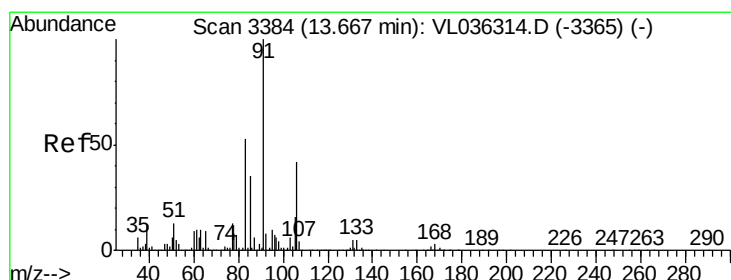
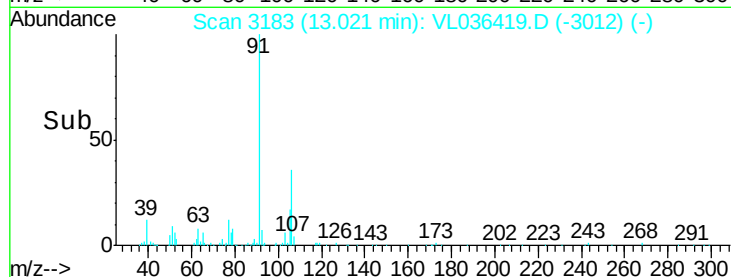
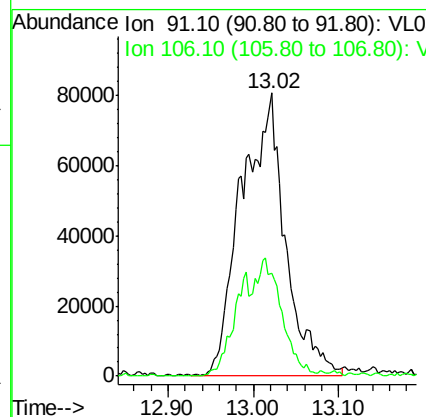
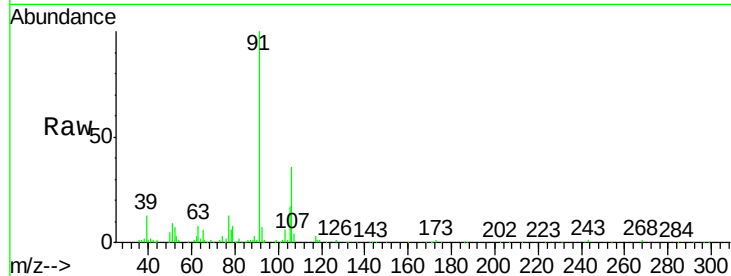
#59
m/p-Xylene
Concen: 0.723 ppbv m
RT: 13.02 min Scan# 3183
Delta R.T. 0.05 min
Lab File: VL036419.D
Acq: 1 Mar 2021 17:51

Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT1-2021

Tgt Ion: 91 Resp: 289312
Ion Ratio Lower Upper
91 100
106 40.7 34.2 51.2

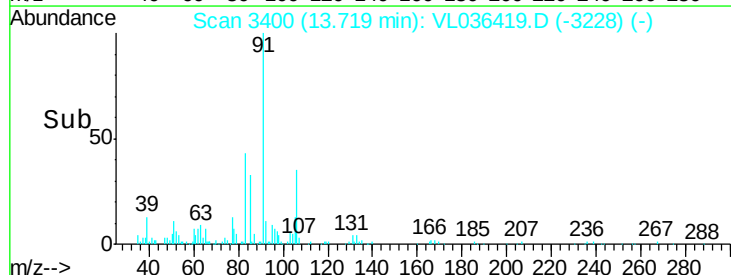
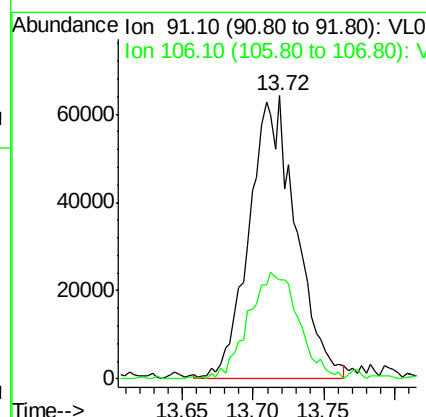
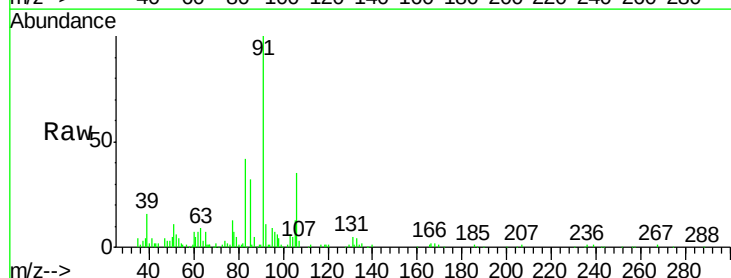
Manual Integrations
APPROVED

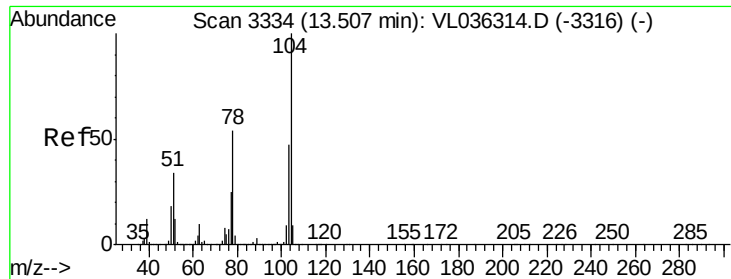
MMDadoda
3/2/2021 3:30:21 PM



#60
o-Xylene
Concen: 0.383 ppbv m
RT: 13.72 min Scan# 3400
Delta R.T. 0.05 min
Lab File: VL036419.D
Acq: 1 Mar 2021 17:51

Tgt Ion: 91 Resp: 146628
Ion Ratio Lower Upper
91 100
106 0.0 22.0 66.0#





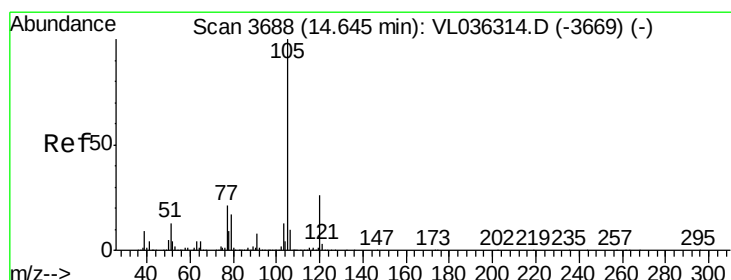
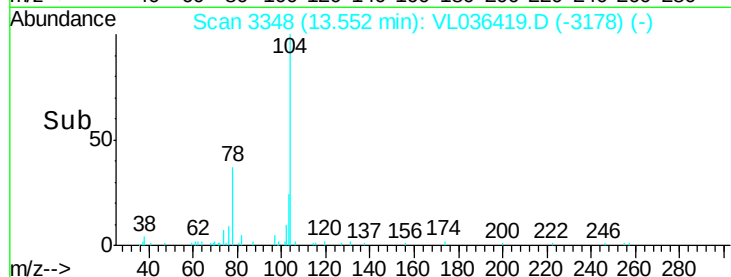
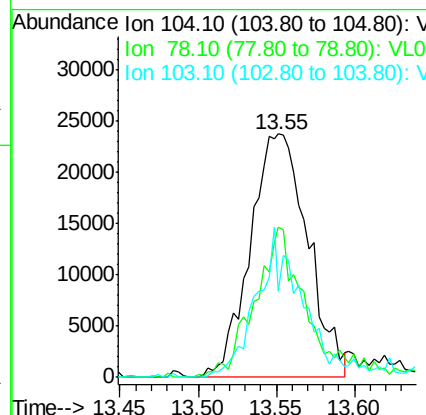
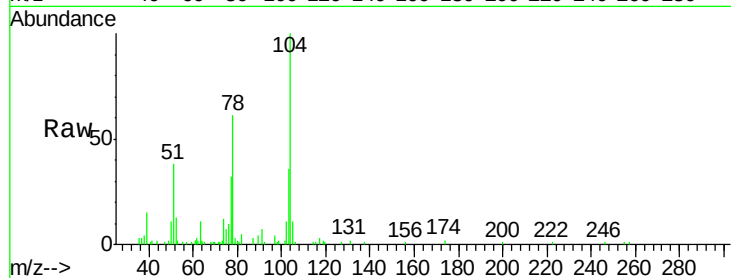
#61
Styrene
Concen: 0.256 ppbv m
RT: 13.55 min Scan# 3348
Delta R.T. 0.05 min
Lab File: VL036419.D
Acq: 1 Mar 2021 17:51

Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT1-2021

Tgt Ion	Ratio	Lower	Upper
104	100		
78	57.6	46.2	69.2
103	50.5	38.3	57.5

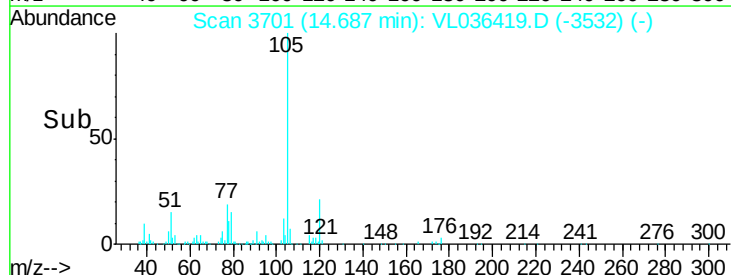
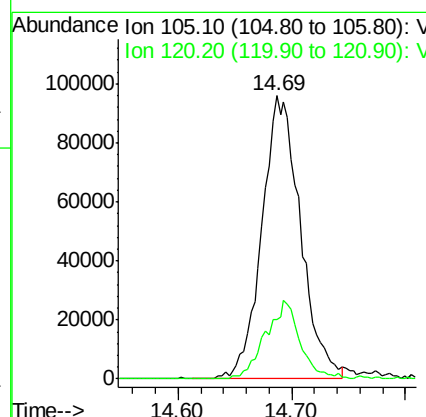
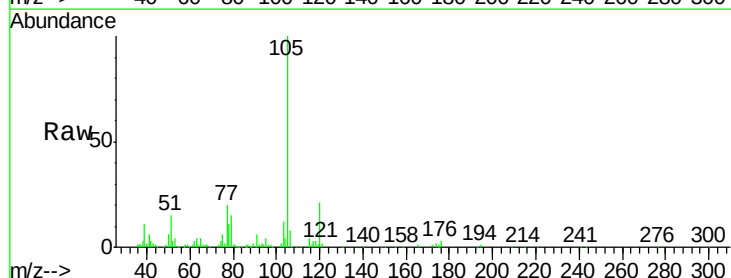
Manual Integrations
APPROVED

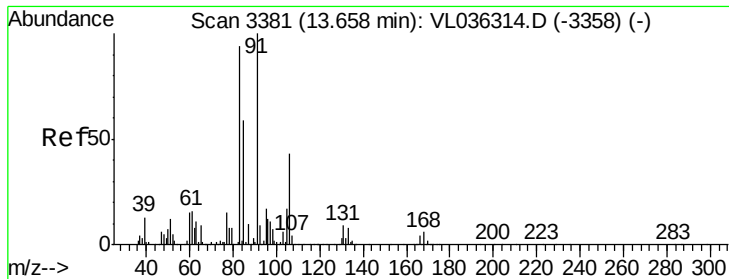
MMDadoda
3/2/2021 3:30:21 PM



#62
Isopropylbenzene
Concen: 0.393 ppbv m
RT: 14.69 min Scan# 3701
Delta R.T. 0.04 min
Lab File: VL036419.D
Acq: 1 Mar 2021 17:51

Tgt Ion	Ratio	Lower	Upper
105	100		
120	25.2	20.6	30.8





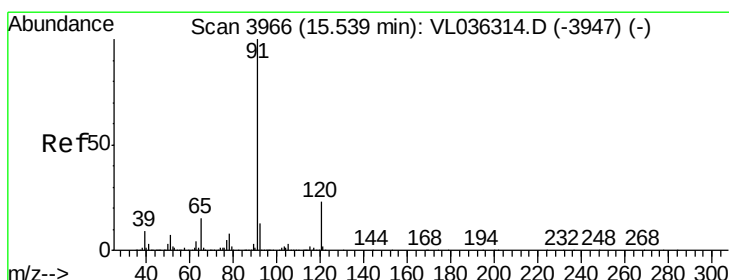
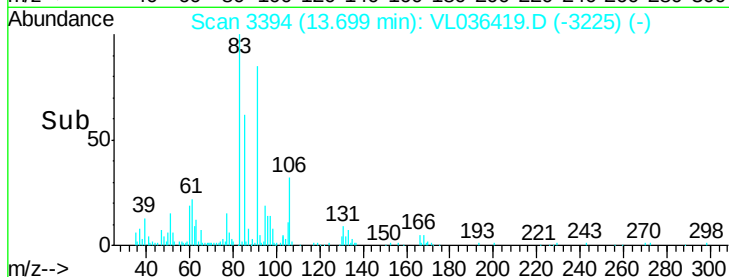
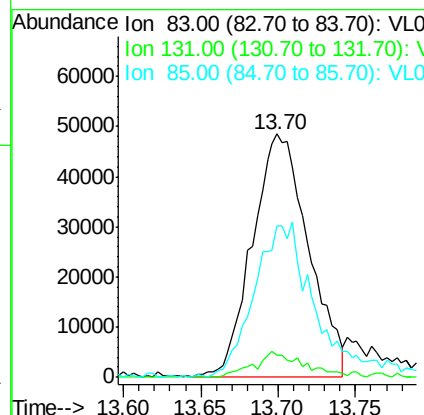
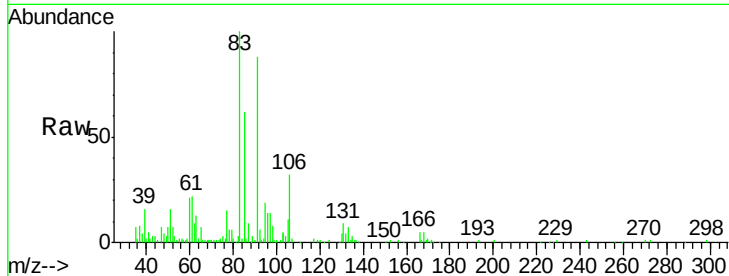
#63
 1,1,2,2-Tetrachloroethane
 Concen: 0.406 ppbv
 RT: 13.70 min Scan# 3394
 Delta R.T. 0.04 min
 Lab File: VL036419.D
 Acq: 1 Mar 2021 17:51

Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT1-2021

Tgt Ion	Ratio	Lower	Upper
83	100		
131	10.3	4.7	14.0
85	69.5	33.0	98.9

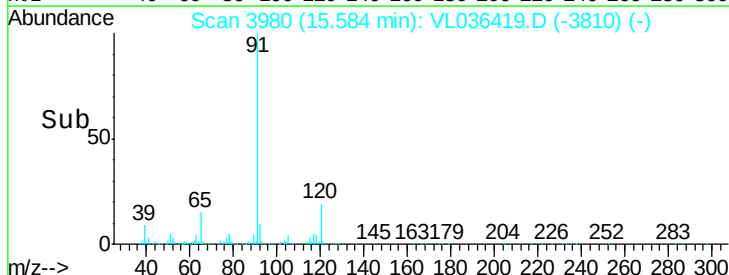
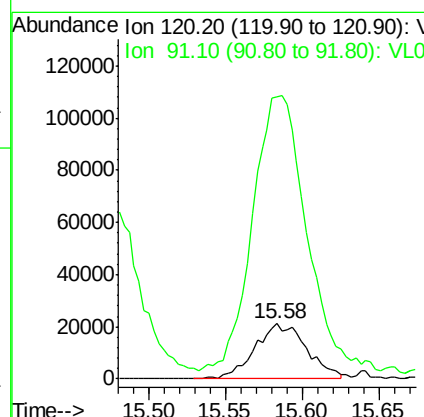
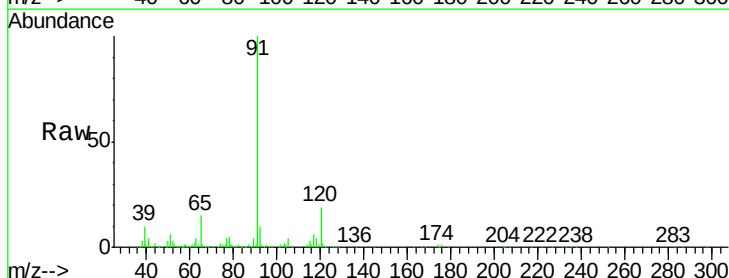
Manual Integrations
 APPROVED

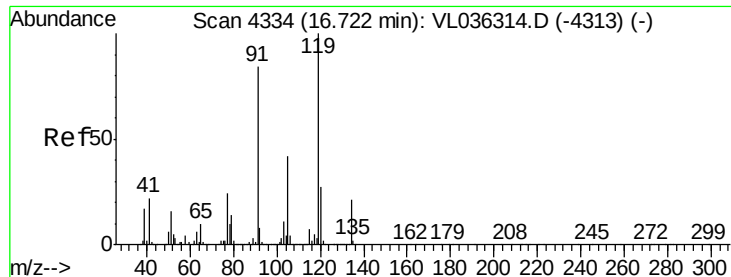
MMDadoda
 3/2/2021 3:30:21 PM



#64
 n-propylbenzene
 Concen: 0.353 ppbv m
 RT: 15.58 min Scan# 3980
 Delta R.T. 0.05 min
 Lab File: VL036419.D
 Acq: 1 Mar 2021 17:51

Tgt Ion	Ratio	Lower	Upper
120	100		
91	0.0	387.2	580.8#





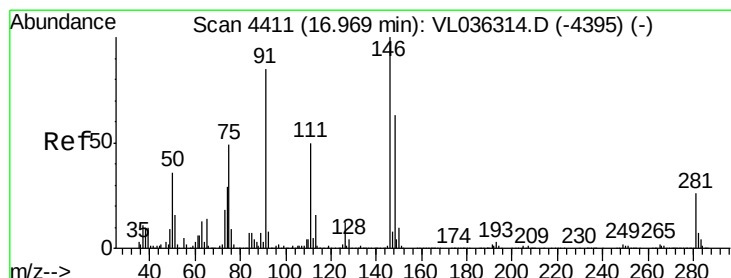
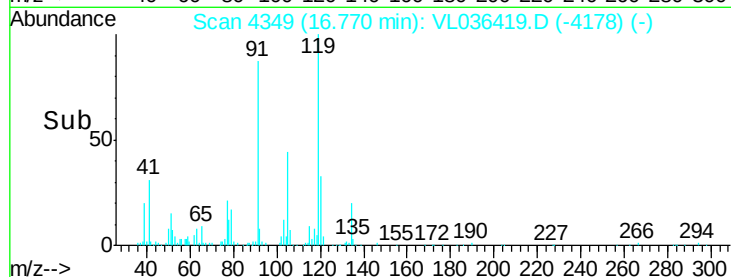
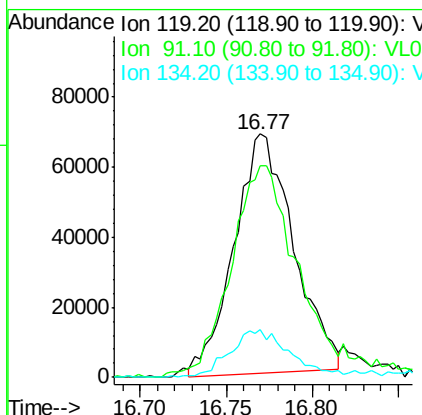
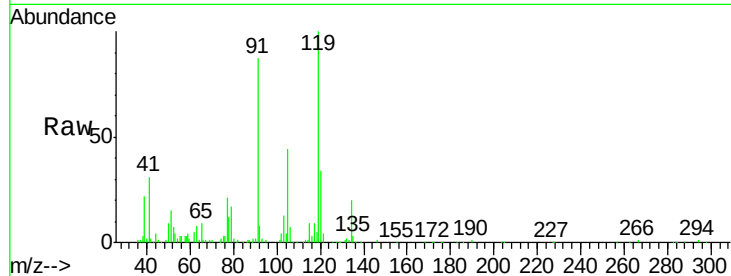
#65
 tert-Butylbenzene
 Concen: 0.337 ppbv
 RT: 16.77 min Scan# 4349
 Delta R.T. 0.05 min
 Lab File: VL036419.D
 Acq: 1 Mar 2021 17:51

Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT1-2021

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	165164		
91	104.5	70.5	105.7	
134	20.3	15.8	23.8	

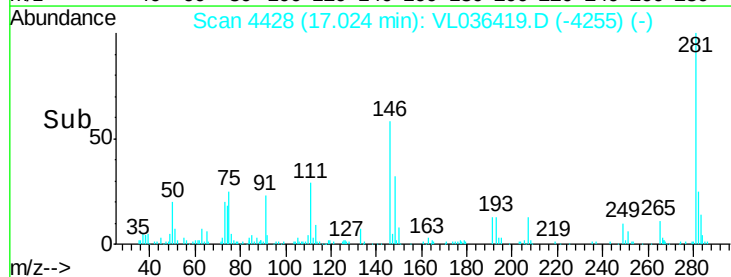
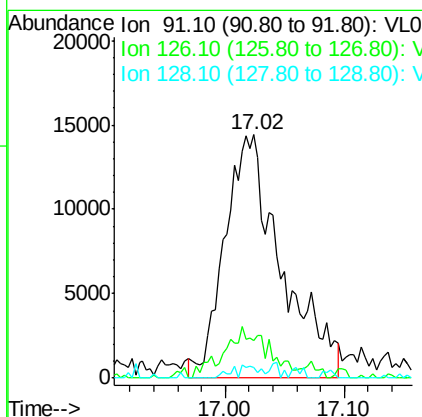
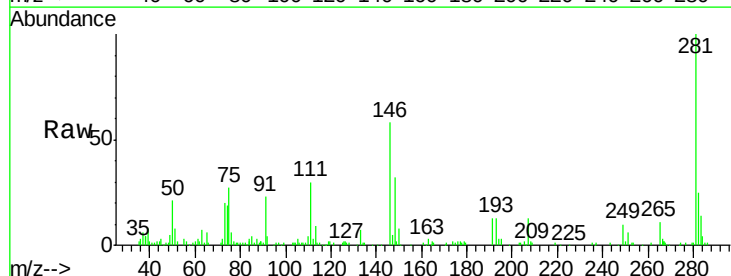
Manual Integrations
 APPROVED

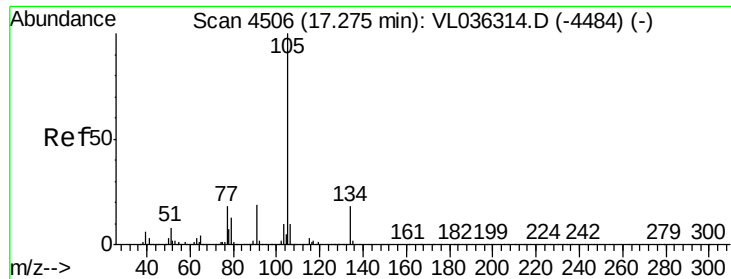
MMDadoda
 3/2/2021 3:30:21 PM



#66
 Benzyl Chloride
 Concen: 0.355 ppbv m
 RT: 17.02 min Scan# 4428
 Delta R.T. 0.05 min
 Lab File: VL036419.D
 Acq: 1 Mar 2021 17:51

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	47349		
126	0.0	12.9	19.3#	
128	3.2	4.2	6.2#	





#67

sec-Butylbenzene

Concen: 0.352 ppbv

RT: 17.32 min Scan# 4519

Delta R.T. 0.04 min

Lab File: VL036419.D

Acq: 1 Mar 2021 17:51

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT1-2021

Tgt Ion: 105 Resp: 249367

Ion Ratio Lower Upper

105 100

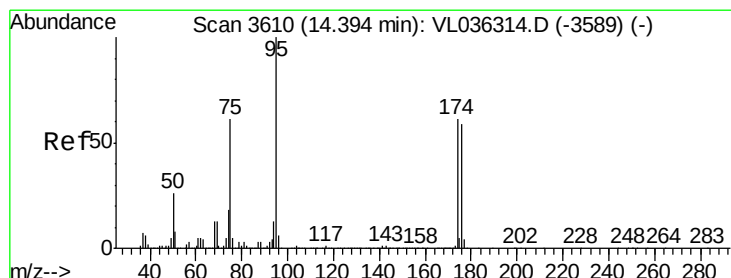
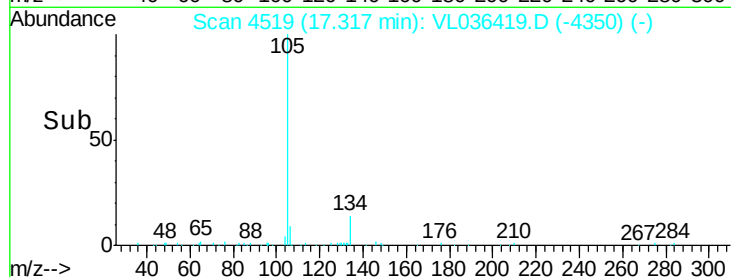
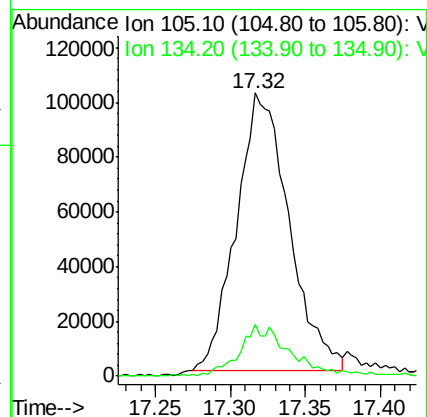
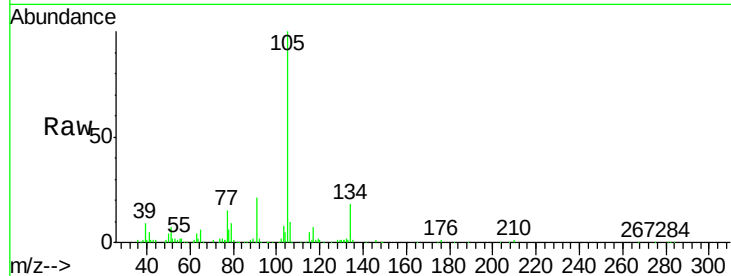
134 18.2 14.2 21.4

Manual Integrations

APPROVED

MMDadoda

3/2/2021 3:30:21 PM



#68

1-Bromo-4-Fluorobenzene

Concen: 9.894 ppbv

RT: 14.44 min Scan# 3623

Delta R.T. 0.04 min

Lab File: VL036419.D

Acq: 1 Mar 2021 17:51

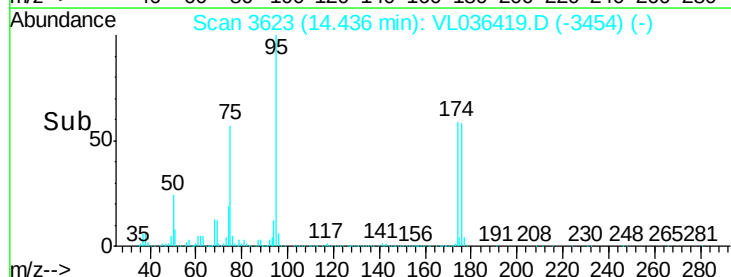
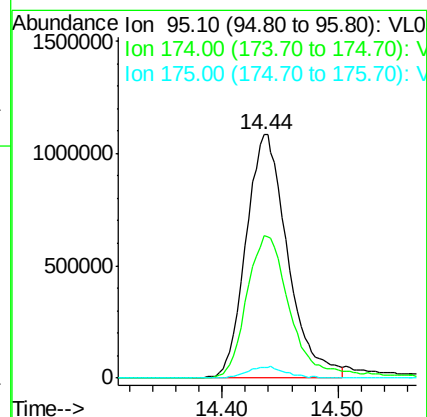
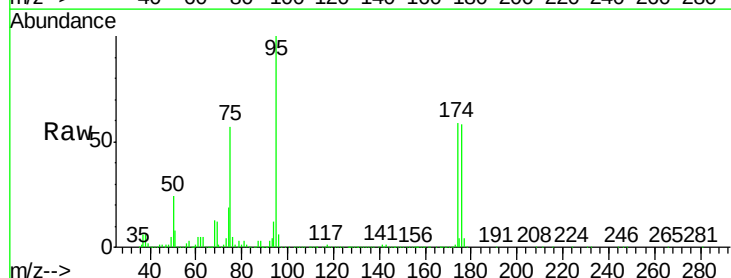
Tgt Ion: 95 Resp: 2708513

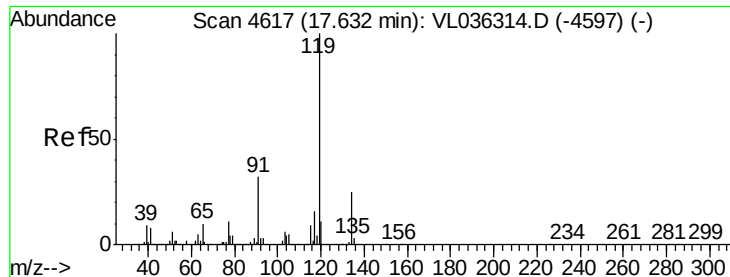
Ion Ratio Lower Upper

95 100

174 63.3 49.8 74.6

175 4.7 3.7 5.5





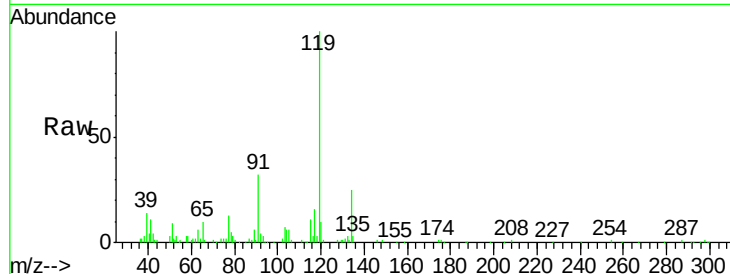
#69
p-Isopropyltoluene
Concen: 0.321 ppbv
RT: 17.68 min Scan# 4632
Delta R.T. 0.05 min
Lab File: VL036419.D
Acq: 1 Mar 2021 17:51

Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT1-2021

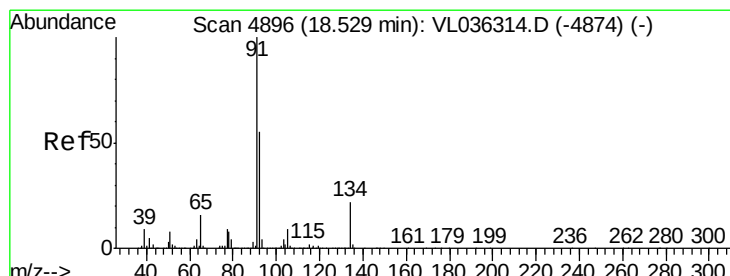
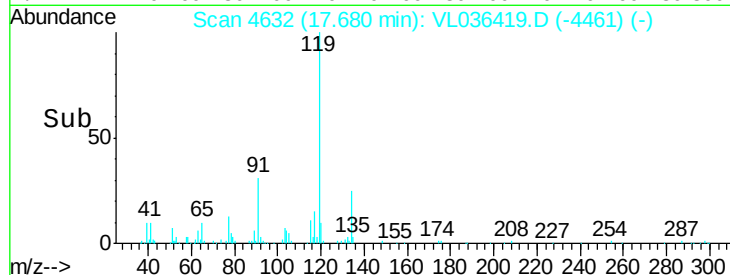
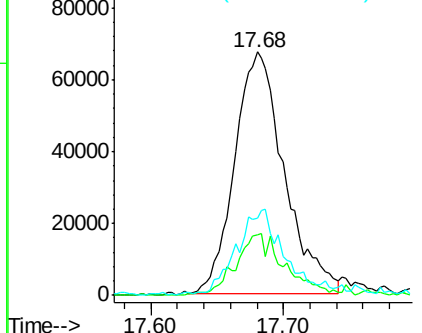
Tgt Ion	Ratio	Resp	Lower	Upper
119	100	175682		
134	26.7	20.1	30.1	
91	36.8	25.8	38.6	

Manual Integrations
APPROVED

MMDadoda
3/2/2021 3:30:21 PM

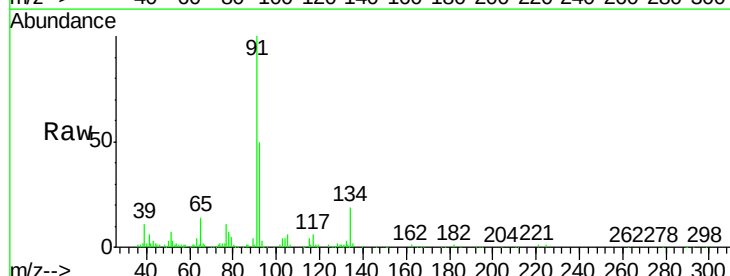


Abundance Ion 119.10 (118.80 to 119.80): V
Ion 134.20 (133.90 to 134.90): V
Ion 91.10 (90.80 to 91.80): V

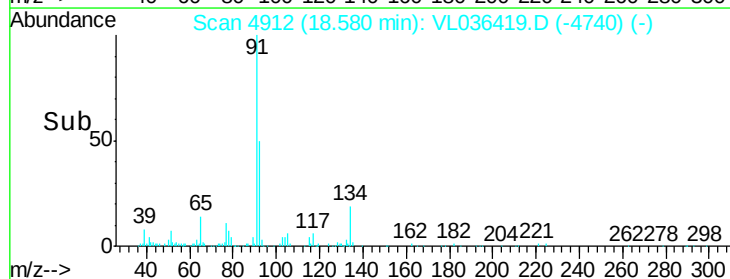
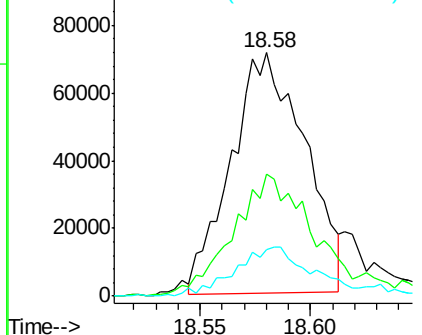


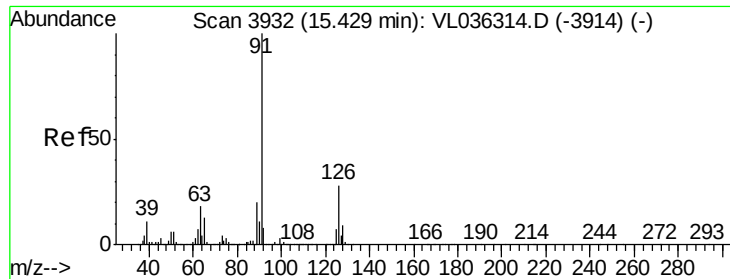
#70
n-Butylbenzene
Concen: 0.282 ppbv
RT: 18.58 min Scan# 4912
Delta R.T. 0.05 min
Lab File: VL036419.D
Acq: 1 Mar 2021 17:51

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	165399		
92	59.4	43.7	65.5	
134	24.1	17.4	26.0	



Abundance Ion 91.10 (90.80 to 91.80): VL0
Ion 92.10 (91.80 to 92.80): VL0
Ion 134.20 (133.90 to 134.90): V





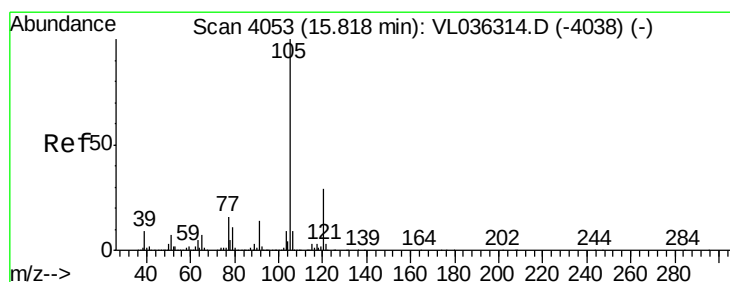
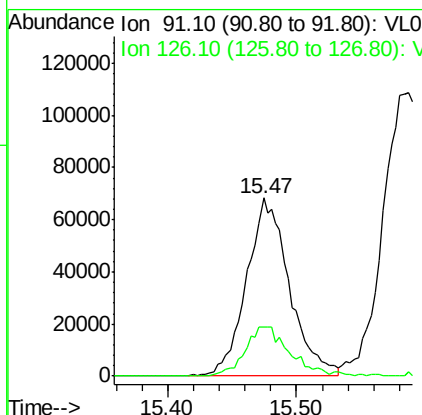
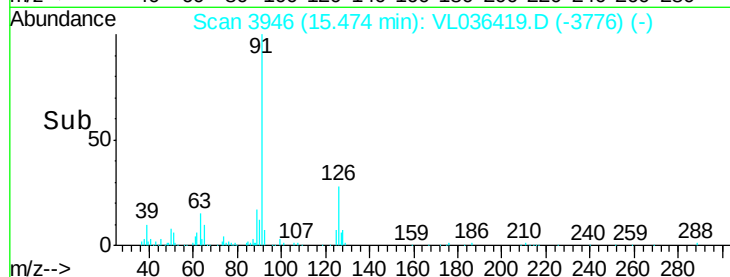
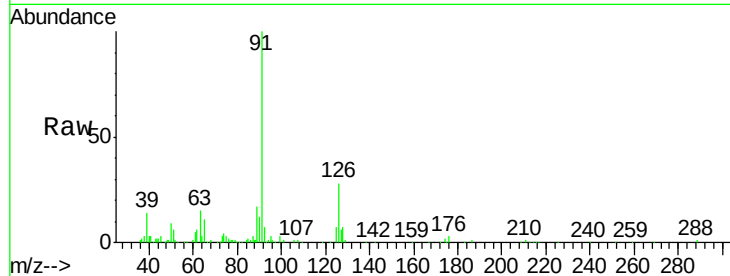
#71
 2-Chlorotoluene
 Concen: 0.359 ppbv
 RT: 15.47 min Scan# 3946
 Delta R.T. 0.05 min
 Lab File: VL036419.D
 Acq: 1 Mar 2021 17:51

Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT1-2021

Tgt Ion: 91 Resp: 157621
 Ion Ratio Lower Upper
 91 100
 126 29.9 11.5 46.1

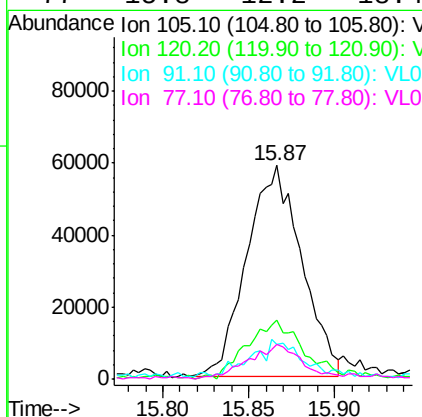
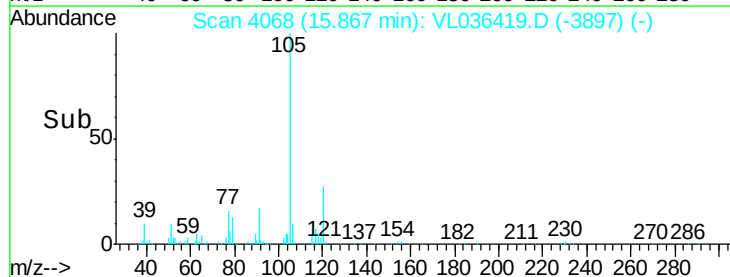
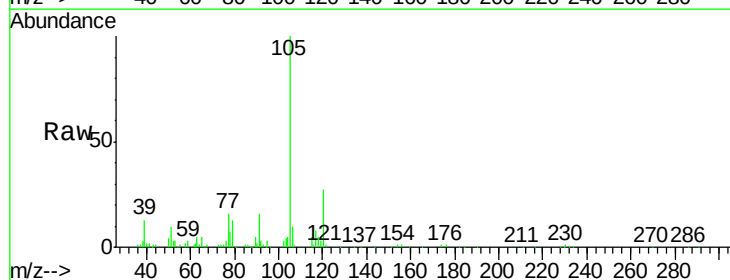
Manual Integrations
 APPROVED

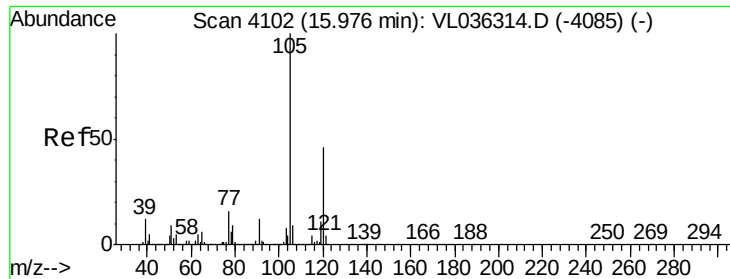
MMDadoda
 3/2/2021 3:30:21 PM



#72
 4-Ethyltoluene
 Concen: 0.305 ppbv
 RT: 15.87 min Scan# 4068
 Delta R.T. 0.05 min
 Lab File: VL036419.D
 Acq: 1 Mar 2021 17:51

Tgt Ion: 105 Resp: 129852
 Ion Ratio Lower Upper
 105 100
 120 31.9 23.2 34.8
 91 16.6 11.0 16.4#
 77 15.8 12.2 18.4





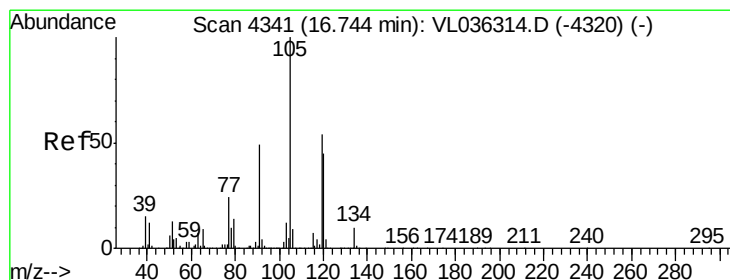
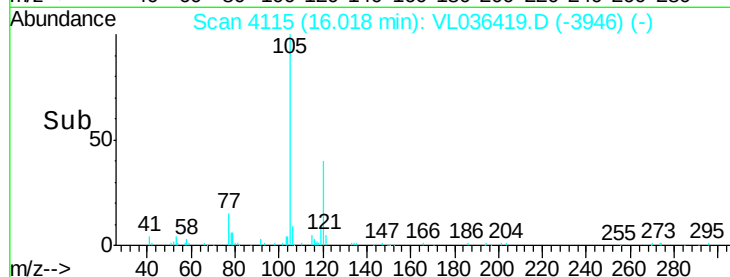
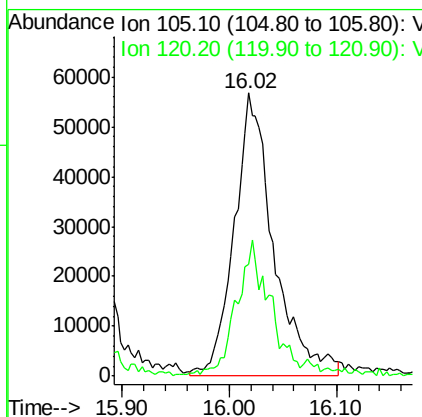
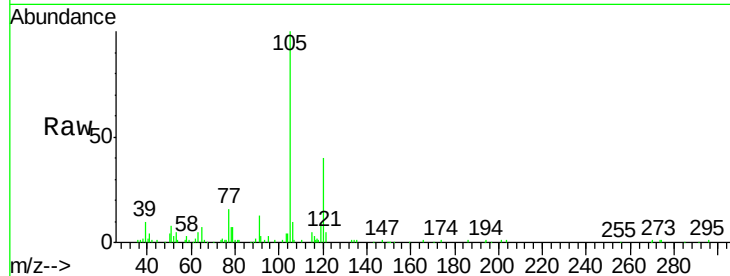
#73
 1,3,5-Trimethylbenzene
 Concen: 0.352 ppbv m
 RT: 16.02 min Scan# 4115
 Delta R.T. 0.04 min
 Lab File: VL036419.D
 Acq: 1 Mar 2021 17:51

Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT1-2021

Tgt Ion	Ratio	Lower	Upper
105	100		
120	39.6	36.9	55.3

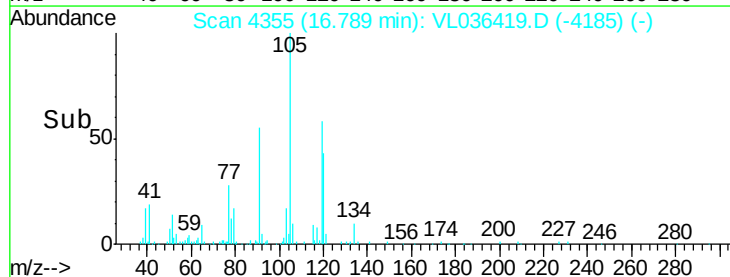
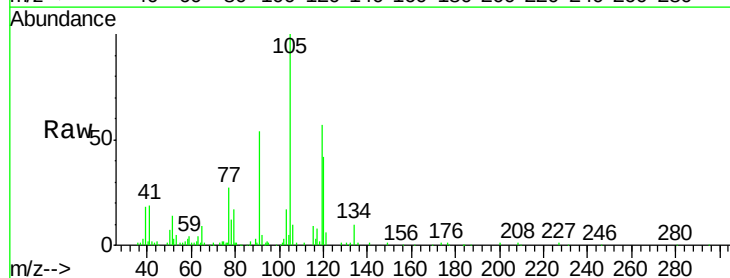
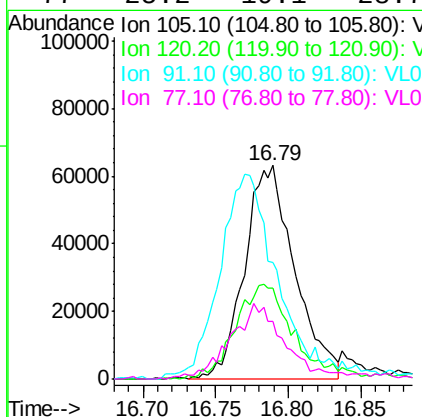
Manual Integrations
 APPROVED

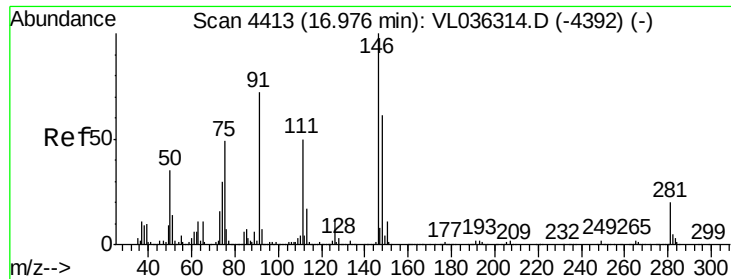
MMDadoda
 3/2/2021 3:30:21 PM



#74
 1,2,4-Trimethylbenzene
 Concen: 0.358 ppbv
 RT: 16.79 min Scan# 4355
 Delta R.T. 0.05 min
 Lab File: VL036419.D
 Acq: 1 Mar 2021 17:51

Tgt Ion	Ratio	Lower	Upper
105	100		
120	40.8	35.8	53.6
91	49.7	39.8	59.6
77	25.2	19.1	28.7





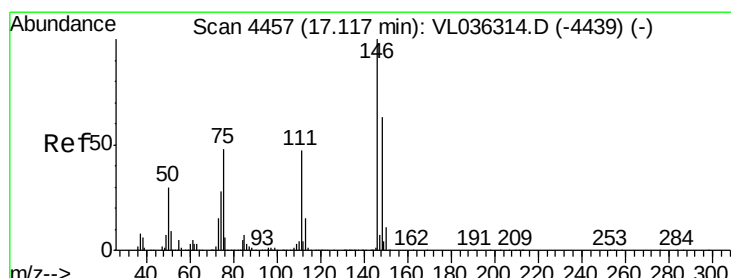
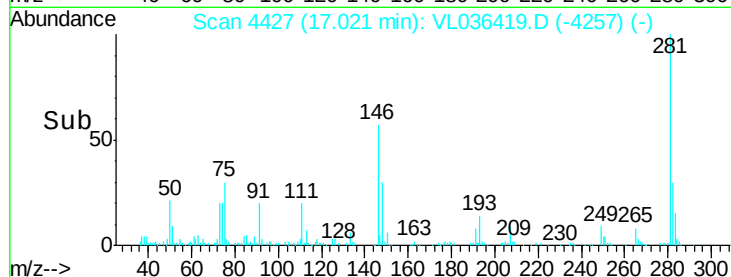
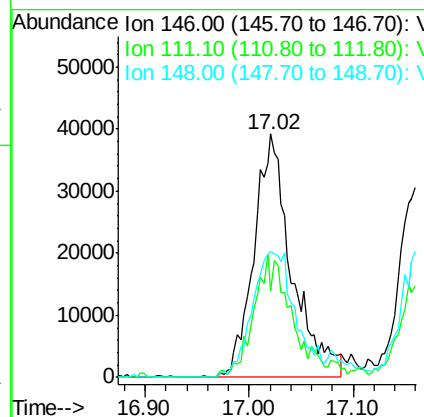
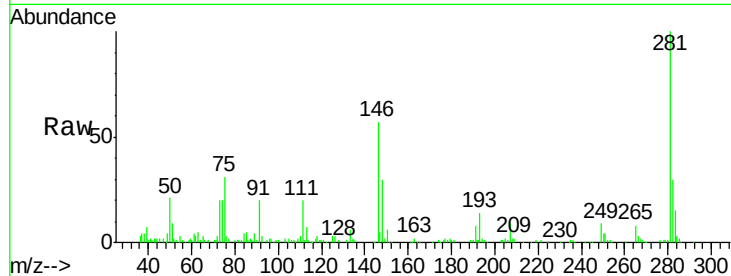
#75
 1,3-Dichlorobenzene
 Concen: 0.433 ppbv m
 RT: 17.02 min Scan# 4427
 Delta R.T. 0.05 min
 Lab File: VL036419.D
 Acq: 1 Mar 2021 17:51

Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT1-2021

Tgt Ion	Ratio	Lower	Upper
146	100		
111	0.0	24.9	74.6#
148	0.0	31.9	95.9#

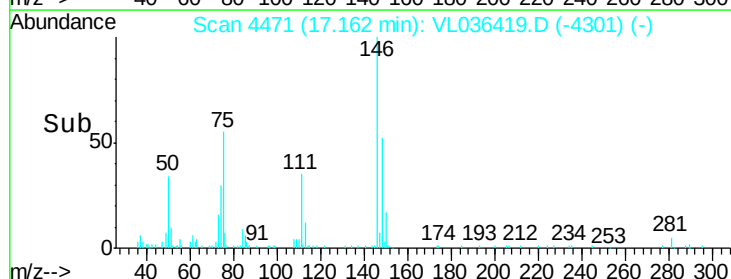
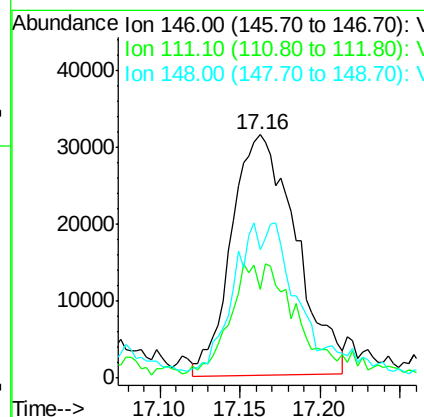
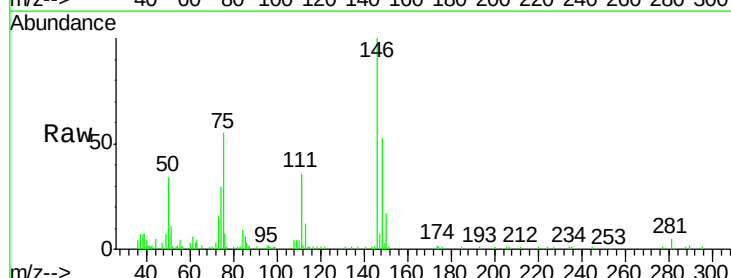
Manual Integrations
 APPROVED

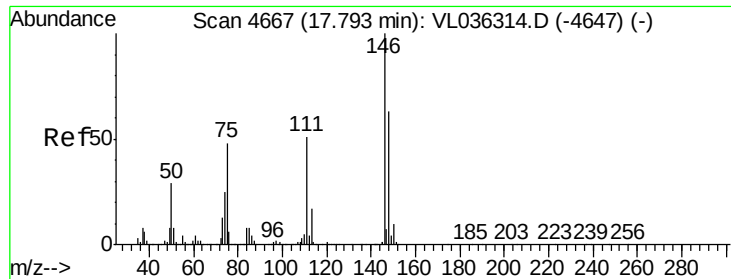
MMDadoda
 3/2/2021 3:30:21 PM



#76
 1,4-Dichlorobenzene
 Concen: 0.364 ppbv
 RT: 17.16 min Scan# 4471
 Delta R.T. 0.05 min
 Lab File: VL036419.D
 Acq: 1 Mar 2021 17:51

Tgt Ion	Ratio	Lower	Upper
146	100		
111	52.3	23.6	71.0
148	69.4	31.6	95.0





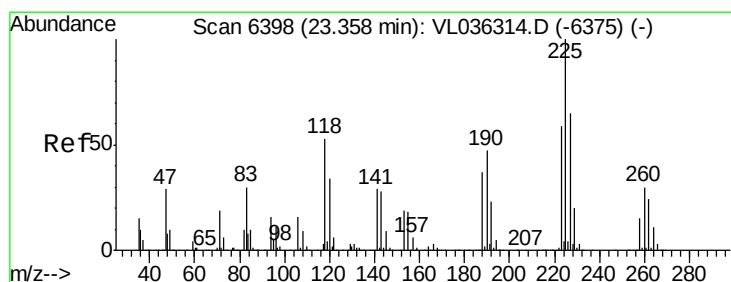
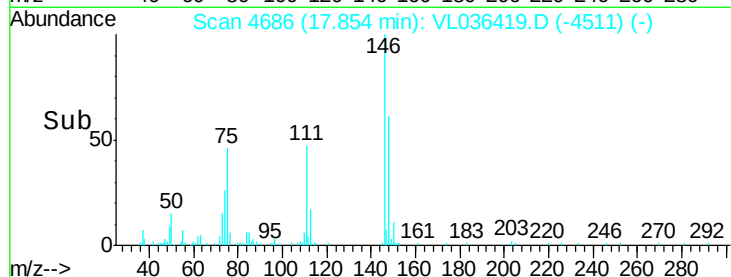
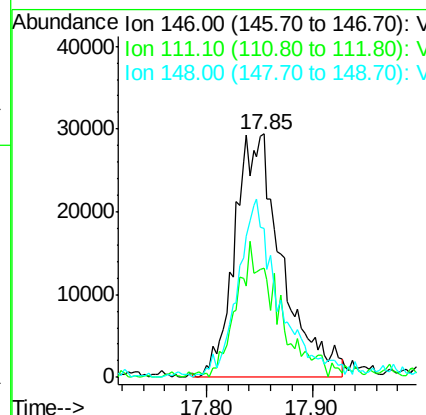
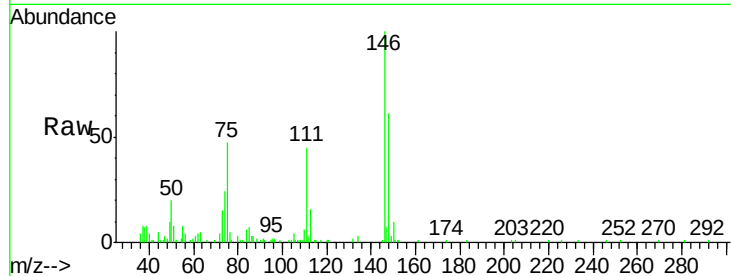
#77
 1,2-Dichlorobenzene
 Concen: 0.403 ppbv m
 RT: 17.85 min Scan# 4686
 Delta R.T. 0.06 min
 Lab File: VL036419.D
 Acq: 1 Mar 2021 17:51

Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT1-2021

Tgt Ion	Ratio	Lower	Upper
146	100		
111	0.0	25.9	77.8#
148	65.9	32.5	97.4

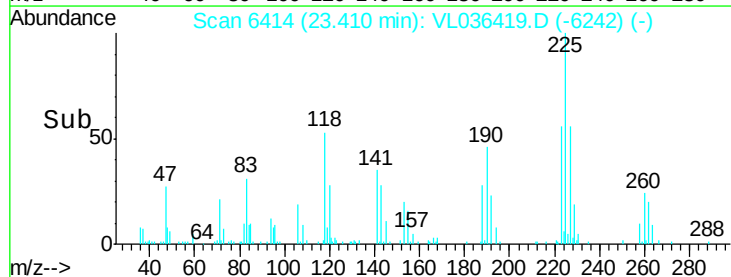
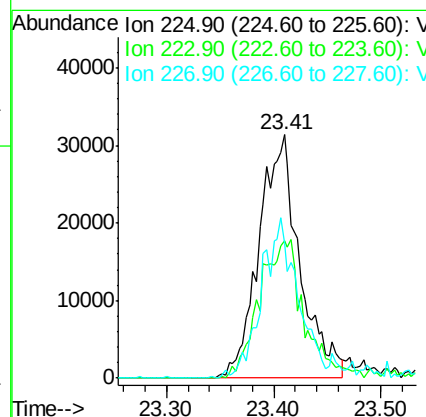
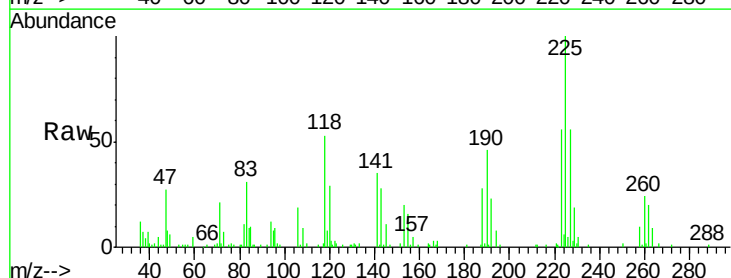
Manual Integrations
 APPROVED

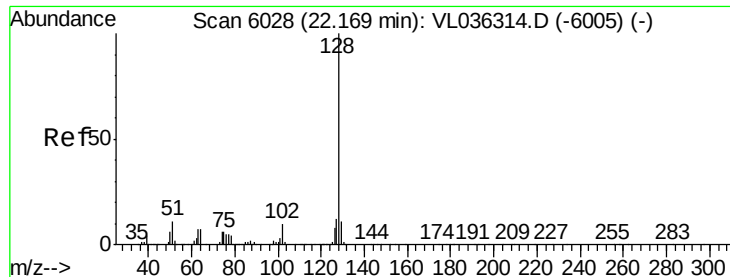
MMDadoda
 3/2/2021 3:30:21 PM



#78
 Hexachloro-1,3-Butadiene
 Concen: 0.446 ppbv m
 RT: 23.41 min Scan# 6414
 Delta R.T. 0.05 min
 Lab File: VL036419.D
 Acq: 1 Mar 2021 17:51

Tgt Ion	Ratio	Lower	Upper
225	100		
223	0.0	50.8	76.2#
227	0.0	52.2	78.2#





#79

Naphthalene

Concen: 0.172 ppbv m

RT: 22.25 min Scan# 6052

Delta R.T. 0.08 min

Lab File: VL036419.D

Acq: 1 Mar 2021 17:51

Instrument :

MSVOA_L

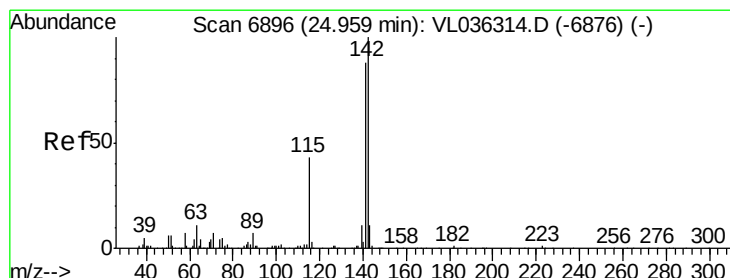
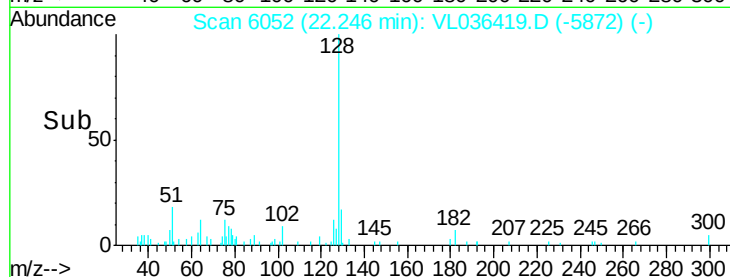
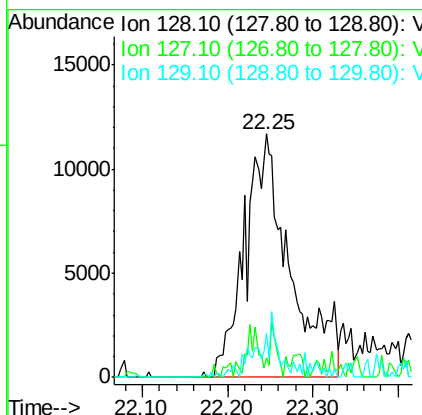
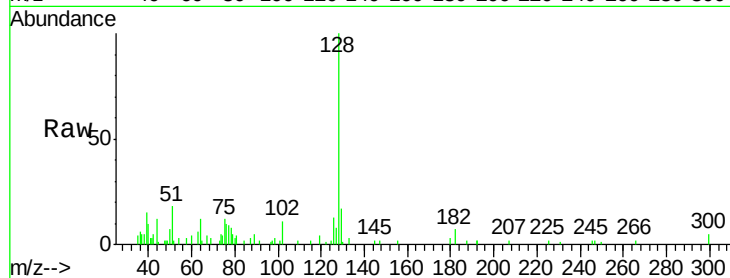
ClientSampleId :

LOD-MDL-AIR-01-QT1-2021

Tgt Ion:	128	Resp:	42947
Ion Ratio	Lower	Upper	
128	100		
127	8.2	9.6	14.4#
129	16.9	8.5	12.7#

Manual Integrations
APPROVED

MMDadoda
3/2/2021 3:30:21 PM



#80

Naphthalene, 2-methyl-

Concen: 0.041 ppbv

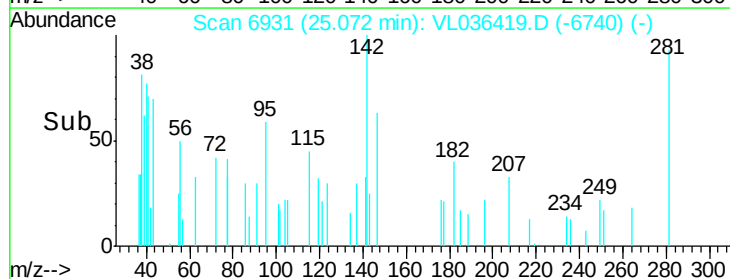
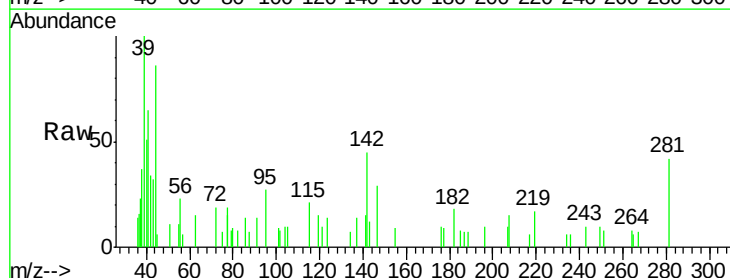
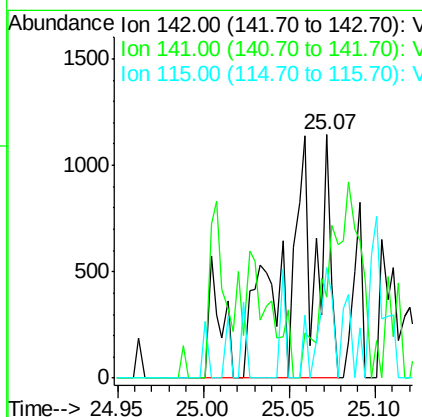
RT: 25.07 min Scan# 6931

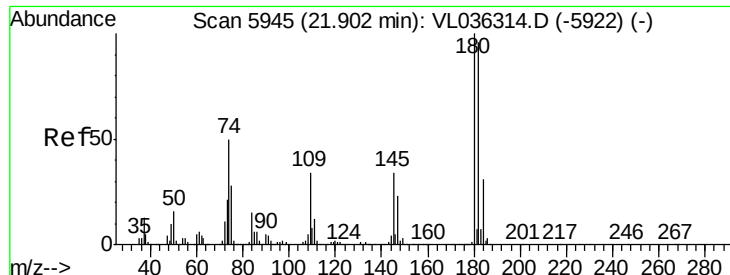
Delta R.T. 0.11 min

Lab File: VL036419.D

Acq: 1 Mar 2021 17:51

Tgt Ion:	142	Resp:	1905
Ion Ratio	Lower	Upper	
142	100		
141	0.0	64.4	96.6#
115	22.5	34.6	51.8#





#81
 1,2,4-Trichlorobenzene
 Concen: 0.234 ppbv m
 RT: 21.97 min Scan# 5966
 Delta R.T. 0.07 min
 Lab File: VL036419.D
 Acq: 1 Mar 2021 17:51

Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT1-2021

Tgt Ion	Ratio	Resp Lower	Resp Upper
180	100		
182	0.0	80.2	120.4#
184	0.0	25.0	37.6#

Manual Integrations
 APPROVED

MMDadoda
 3/2/2021 3:30:21 PM

