

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL072320\
 Data File : VL035228.D
 Acq On : 23 Jul 2020 14:33
 Operator : SY/AP
 Sample : L3216-13 0.4 LOD
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT3-2020

Manual Integrations
 APPROVED

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 7/27/2020 12:29:49 PM

Quant Time: Jul 24 06:24:32 2020

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL070820AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Jul 08 2020

QLast Update : Wed Jul 08 07:05:23 2020

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1163024	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	2928402	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.11	117	2649837	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.45	95	2275082	10.57	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	105.70%

Target Compounds

	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	3.00	85	103406	0.634	ppbv	94
3) Chlorodifluoromethane	2.94	51	66055	0.514	ppbv	99
4) Chloromethane	3.09	50	33837m	0.467	ppbv	
5) Vinyl Chloride	3.21	62	30224	0.391	ppbv	97
6) Bromomethane	3.43	94	25046	0.570	ppbv #	74
7) Chloroethane	3.52	64	13362	0.489	ppbv #	79
8) Dichlorotetrafluoroethane	3.14	85	91572	0.513	ppbv	98
9) Propene	2.96	41	18061	0.372	ppbv	92
10) Heptane	8.13	43	35530	0.285	ppbv	88
11) Trichlorofluoromethane	3.92	101	98039	0.533	ppbv	85
12) 1,1,2-Trichlorotrifluoroet	4.46	101	67995	0.526	ppbv	100
13) Ethanol	3.57	45	8608m	0.557	ppbv	
14) Bromoethene	3.70	108	25941m	0.488	ppbv	
15) Acetone	3.83	43	93266	0.592	ppbv	93
16) 1,3-Butadiene	3.29	39	23198m	0.384	ppbv	
17) tert-Butyl alcohol	4.28	59	69632	0.500	ppbv	98
18) 1,1-Dichloroethene	4.26	96	25774m	0.450	ppbv	
19) Isopropyl Alcohol	3.95	45	45856m	0.483	ppbv	
20) Methylene Chloride	4.32	84	44372m	0.648	ppbv	
21) Allyl Chloride	4.38	41	41496	0.453	ppbv	95
22) trans-1,2-Dichloroethene	4.86	96	28193m	0.493	ppbv	
23) Vinyl Acetate	5.05	43	63883m	0.375	ppbv	
24) 1,1-Dichloroethane	4.99	63	67029	0.458	ppbv	96
25) Ethyl Acetate	5.67	43	98609	0.404	ppbv	98
26) Hexane	5.67	57	42656m	0.396	ppbv	
27) Carbon Disulfide	4.53	76	69694m	0.463	ppbv	
28) Methyl tert-Butyl Ether	5.02	73	55530m	0.338	ppbv	
29) Chloroform	5.74	83	86560	0.479	ppbv	85
30) Cyclohexane	7.13	84	33573m	0.421	ppbv	
31) cis-1,2-Dichloroethene	5.53	61	31416m	0.308	ppbv	
32) 1,1,1-Trichloroethane	6.51	97	81865m	0.452	ppbv	
34) 2-Butanone	5.24	43	51759	0.331	ppbv #	89
35) Carbon Tetrachloride	7.01	117	82126m	0.432	ppbv	
36) Benzene	6.88	78	62710	0.296	ppbv #	90
37) 1,2-Dichloroethane	6.29	62	56698m	0.399	ppbv	
38) Trichloroethene	7.84	130	25364m	0.294	ppbv	
39) 1,2-Dichloropropane	7.62	63	30425m	0.361	ppbv	
40) 1,4-Dioxane	7.89	88	10386m	0.310	ppbv	
41) Tetrahydrofuran	6.06	42	20962m	0.268	ppbv	
42) Bromodichloromethane	7.79	83	76902m	0.405	ppbv	
43) Methyl Methacrylate	8.02	69	25952m	0.290	ppbv	

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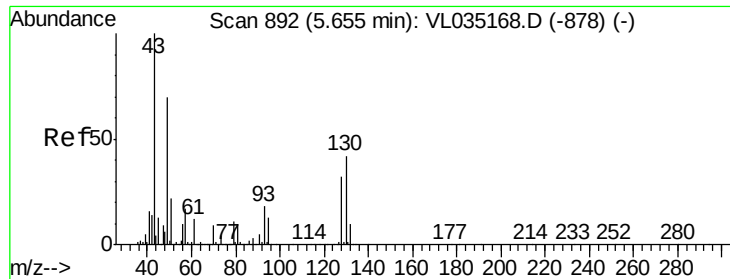
Manual Integrations
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Quant Time: Jul 24 06:24:32 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL070820AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Jul 0
 QLast Update : Wed Jul 08 07:05:23 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.87	57	108795	0.297	ppbv	# 85
45) t-1,3-Dichloropropene	9.29	75	24031	0.255	ppbv	# 81
46) cis-1,3-Dichloropropene	8.72	75	27800m	0.249	ppbv	
47) 1,1,2-Trichloroethane	9.49	97	38275	0.415	ppbv	92
48) Dibromochloromethane	10.32	129	55043	0.367	ppbv	100
49) Bromoform	13.07	173	47153m	0.359	ppbv	
50) 4-Methyl-2-Pentanone	8.77	43	64342m	0.287	ppbv	
51) 2-Hexanone	10.16	43	37332m	0.218	ppbv	
52) Tetrachloroethene	11.24	164	27481m	0.347	ppbv	
53) Toluene	9.82	91	52673m	0.235	ppbv	
54) 1,2-Dibromoethane	10.63	107	50520m	0.369	ppbv	
56) 1,1,1,2-Tetrachloroethane	12.15	131	55493	0.473	ppbv	# 1
57) Chlorobenzene	12.17	112	90911m	0.465	ppbv	
58) Ethyl Benzene	12.73	91	70274m	0.240	ppbv	
59) m/p-Xylene	13.03	91	154378m	0.591	ppbv	
60) o-Xylene	13.72	91	72668	0.279	ppbv	100
61) Styrene	13.55	104	32510m	0.202	ppbv	
62) Isopropylbenzene	14.70	105	124706	0.323	ppbv	98
63) 1,1,2,2-Tetrachloroethane	13.71	83	95820m	0.440	ppbv	
64) n-propylbenzene	15.60	120	28654m	0.287	ppbv	
65) tert-Butylbenzene	16.79	119	100469	0.290	ppbv	85
66) Benzyl Chloride	17.03	91	55783m	0.452	ppbv	
67) sec-Butylbenzene	17.33	105	165023	0.326	ppbv	95
69) p-Isopropyltoluene	17.69	119	116012	0.293	ppbv	97
70) n-Butylbenzene	18.59	91	123457	0.294	ppbv	96
71) 2-Chlorotoluene	15.48	91	79682	0.273	ppbv	100
72) 4-Ethyltoluene	15.87	105	81876m	0.279	ppbv	
73) 1,3,5-Trimethylbenzene	16.03	105	81440m	0.288	ppbv	
74) 1,2,4-Trimethylbenzene	16.80	105	99075	0.317	ppbv	95
75) 1,3-Dichlorobenzene	17.02	146	99310	0.501	ppbv	91
76) 1,4-Dichlorobenzene	17.18	146	74299	0.404	ppbv	99
77) 1,2-Dichlorobenzene	17.86	146	72972m	0.409	ppbv	
78) Hexachloro-1,3-Butadiene	23.42	225	72885m	0.517	ppbv	
79) Naphthalene	22.26	128	43827m	0.217	ppbv	
80) Naphthalene,2-methyl-	25.02	142	3061	0.064	ppbv	# 30
81) 1,2,4-Trichlorobenzene	21.98	180	40593m	0.317	ppbv	

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



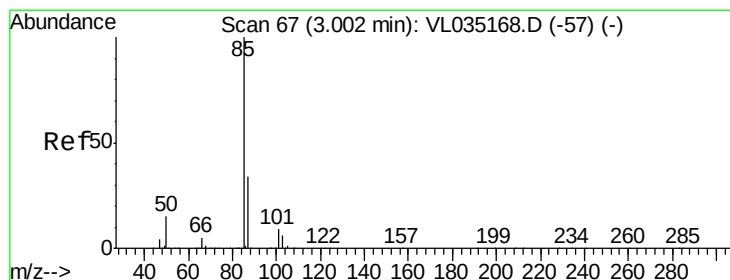
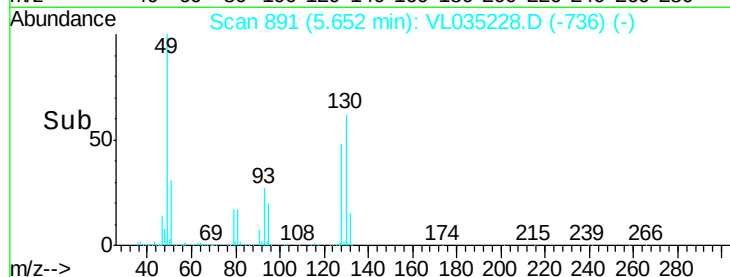
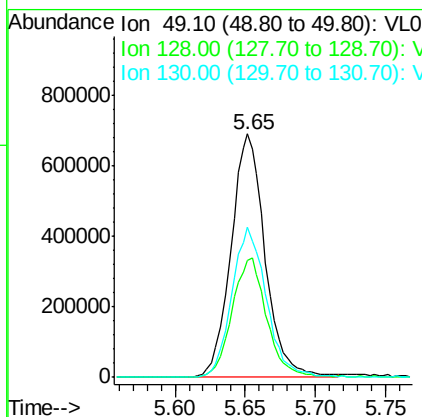
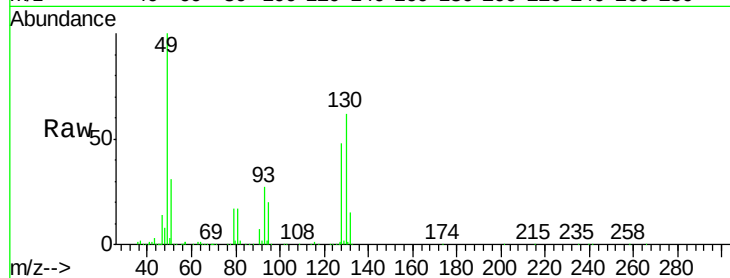
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 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.65 min Scan# 891
 Delta R.T. -0.00 min
 Lab File: VL035228.D
 Acq: 23 Jul 2020 14:33

Instrument :
 MSVOA_L
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Tgt Ion: 49 Resp: 1163024
 Ion Ratio Lower Upper
 49 100
 128 50.1 23.8 71.4
 130 63.6 29.9 89.8

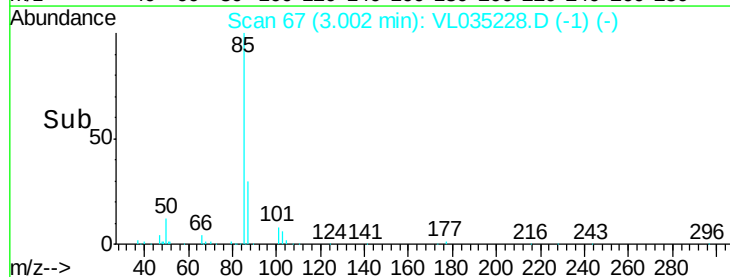
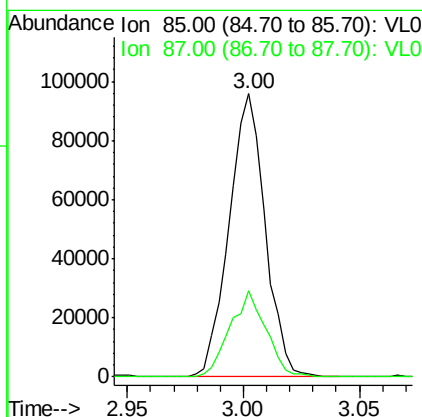
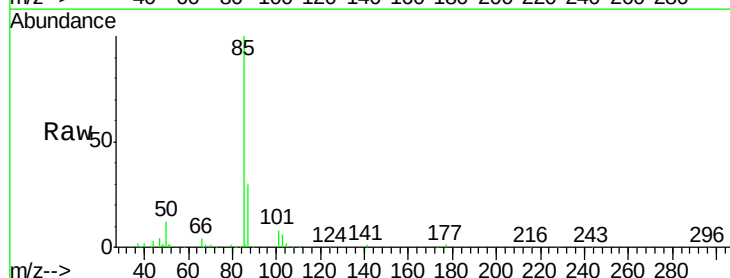
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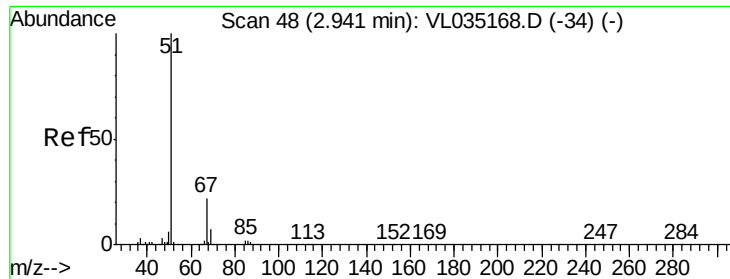
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#2
 Dichlorodifluoromethane
 Concen: 0.634 ppbv
 RT: 3.00 min Scan# 67
 Delta R.T. 0.00 min
 Lab File: VL035228.D
 Acq: 23 Jul 2020 14:33

Tgt Ion: 85 Resp: 103406
 Ion Ratio Lower Upper
 85 100
 87 30.3 27.0 40.6





#3

Chlorodifluoromethane

Concen: 0.514 ppbv

RT: 2.94 min Scan# 48

Delta R.T. 0.00 min

Lab File: VL035228.D

Acq: 23 Jul 2020 14:33

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT3-2020

Tgt Ion: 51 Resp: 66055
Ion Ratio Lower Upper

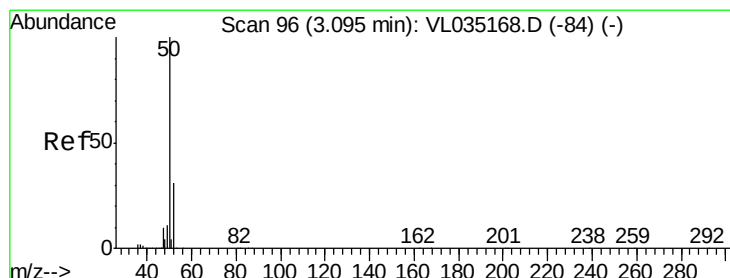
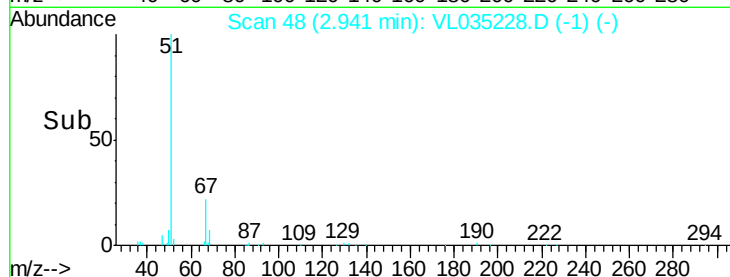
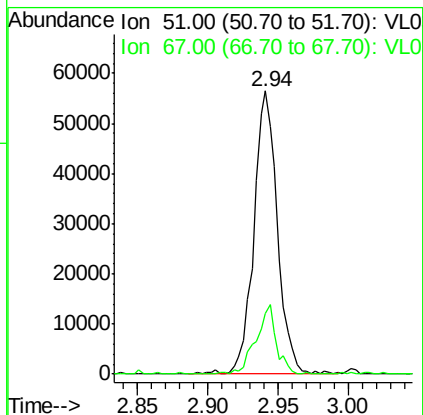
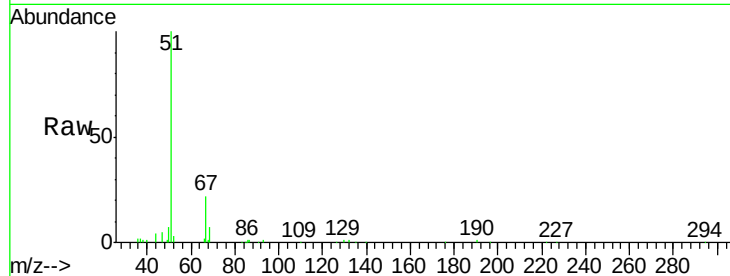
51 100

67 21.3 16.6 24.8

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#4

Chloromethane

Concen: 0.467 ppbv m

RT: 3.09 min Scan# 95

Delta R.T. -0.00 min

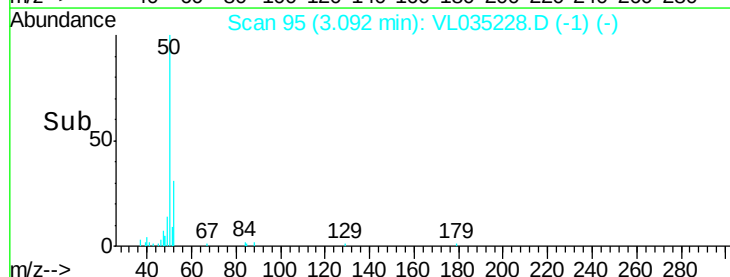
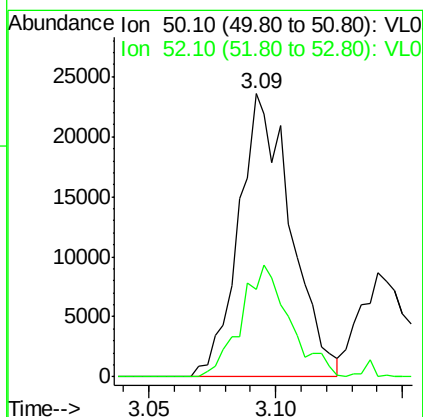
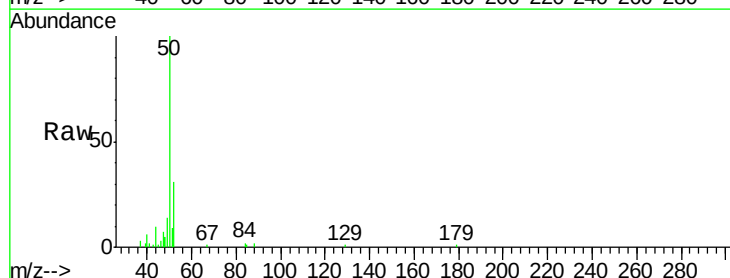
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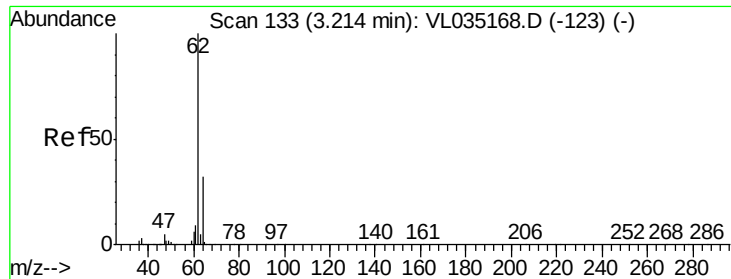
Acq: 23 Jul 2020 14:33

Tgt Ion: 50 Resp: 33837
Ion Ratio Lower Upper

50 100

52 31.2 25.0 37.6





#5

Vinyl Chloride

Concen: 0.391 ppbv

RT: 3.21 min Scan# 132

Delta R.T. -0.00 min

Lab File: VL035228.D

Acq: 23 Jul 2020 14:33

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT3-2020

Tgt Ion: 62 Resp: 30224

Ion Ratio Lower Upper

62 100

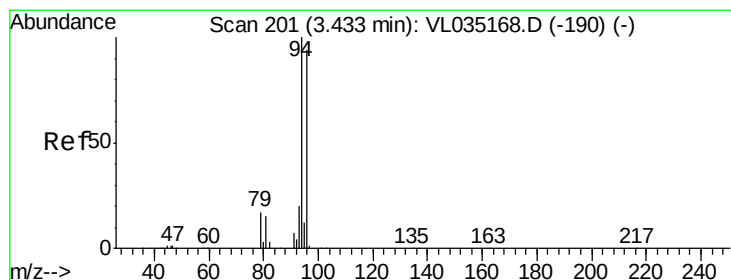
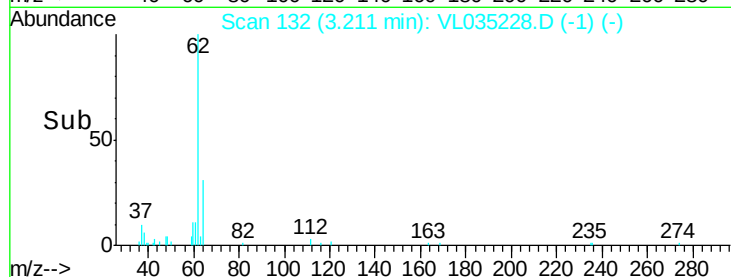
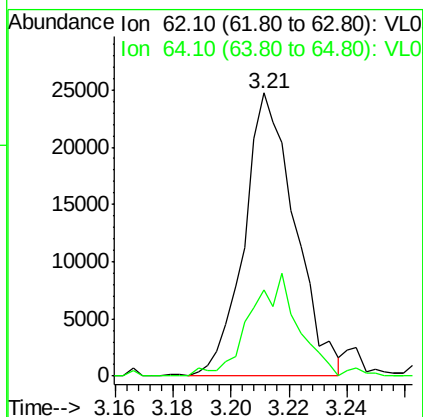
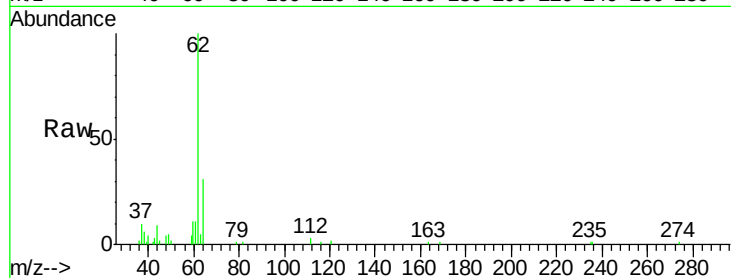
64 30.6 25.9 38.9

Manual Integrations

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#6

Bromomethane

Concen: 0.570 ppbv

RT: 3.43 min Scan# 201

Delta R.T. 0.00 min

Lab File: VL035228.D

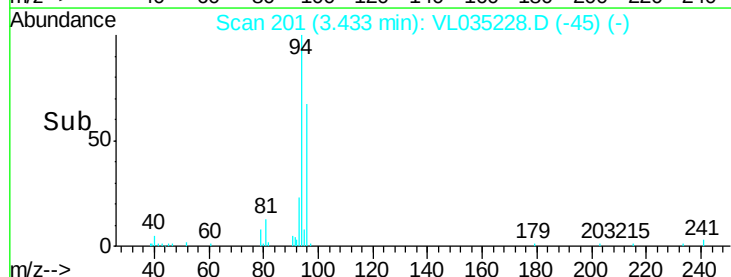
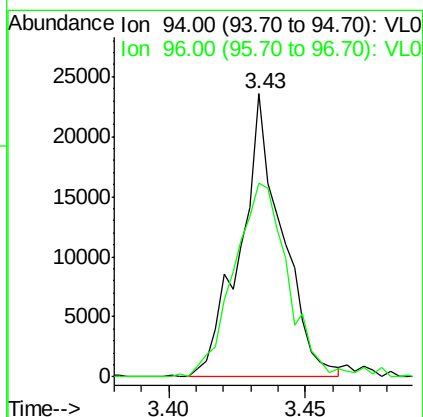
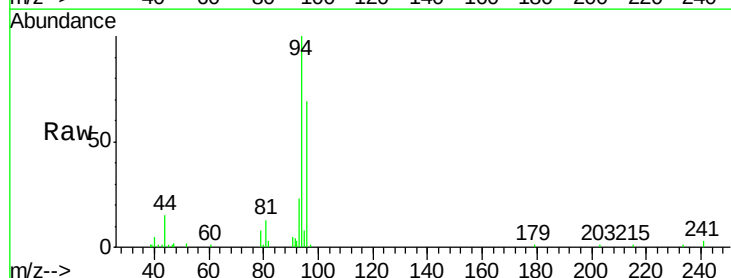
Acq: 23 Jul 2020 14:33

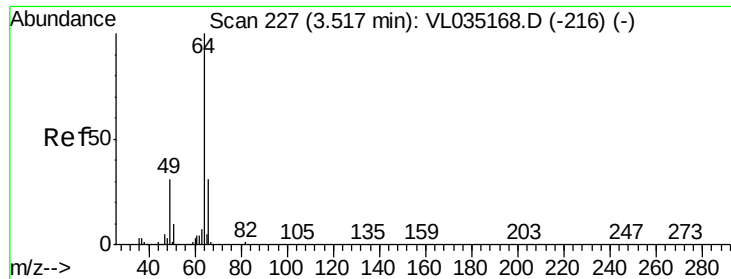
Tgt Ion: 94 Resp: 25046

Ion Ratio Lower Upper

94 100

96 68.5 74.8 112.2#





#7

Chloroethane

Concen: 0.489 ppbv

RT: 3.52 min Scan# 228

Delta R.T. 0.00 min

Lab File: VL035228.D

Acq: 23 Jul 2020 14:33

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT3-2020

Tgt Ion: 64 Resp: 13362

Ion Ratio Lower Upper

64 100

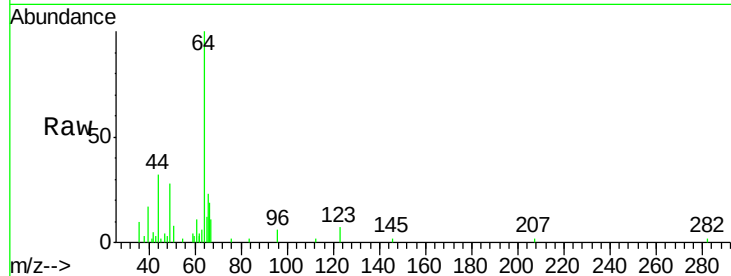
66 19.2 24.6 36.8#

Manual Integrations

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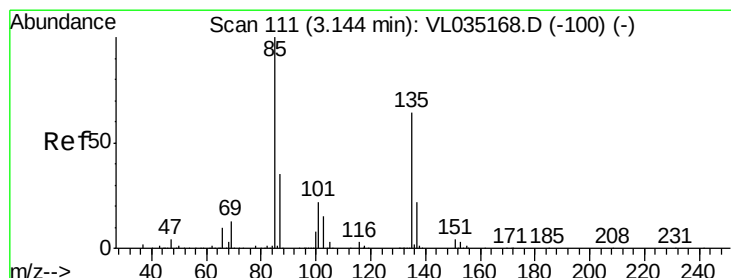
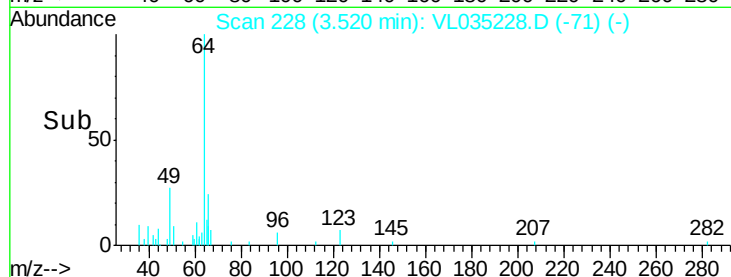
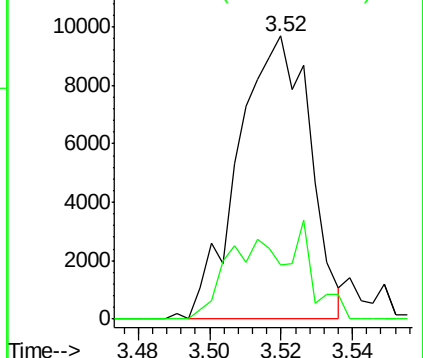
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Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0



#8

Dichlorotetrafluoroethane

Concen: 0.513 ppbv

RT: 3.14 min Scan# 110

Delta R.T. -0.00 min

Lab File: VL035228.D

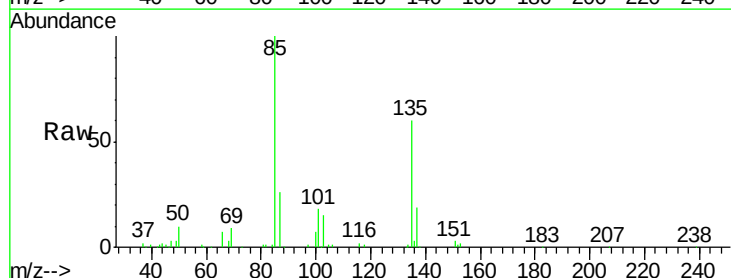
Acq: 23 Jul 2020 14:33

Tgt Ion: 85 Resp: 91572

Ion Ratio Lower Upper

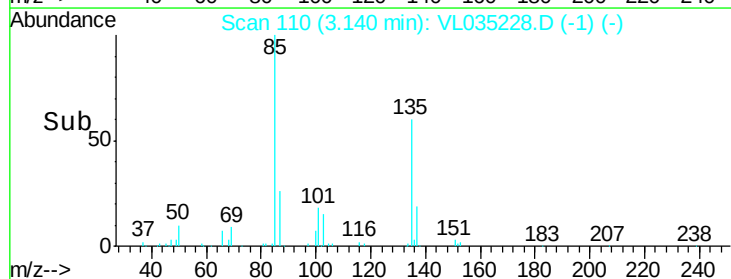
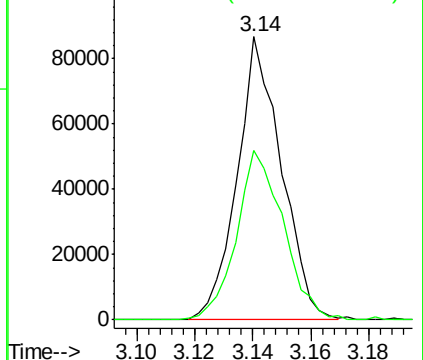
85 100

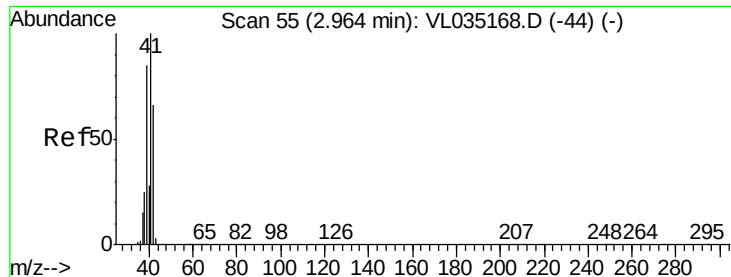
135 63.6 52.1 78.1



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V





#9

Propene

Concen: 0.372 ppbv

RT: 2.96 min Scan# 55

Delta R.T. 0.00 min

Lab File: VL035228.D

Acq: 23 Jul 2020 14:33

Instrument :

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Tgt Ion: 41 Resp: 18061

Ion Ratio Lower Upper

41 100

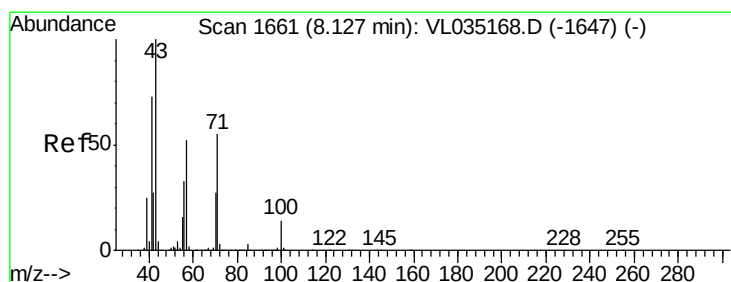
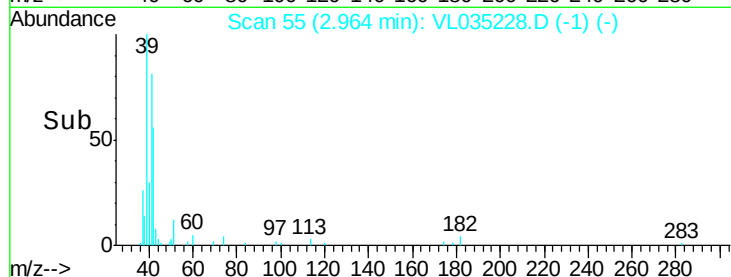
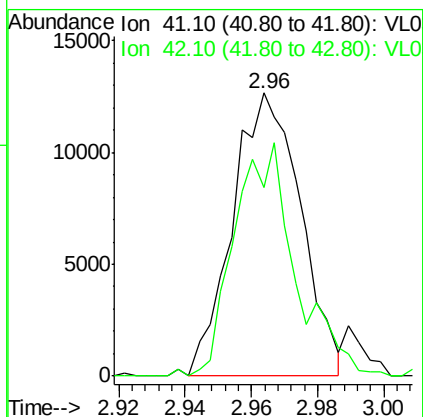
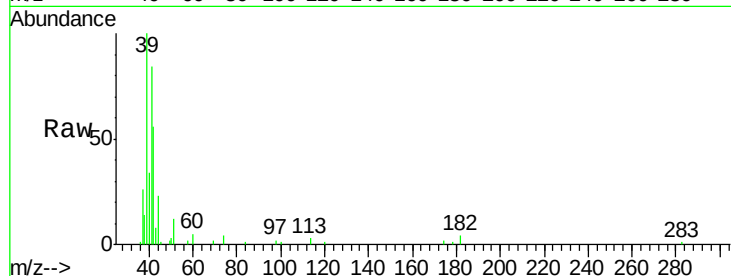
42 74.4 54.6 81.8

Manual Integrations

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#10

Heptane

Concen: 0.285 ppbv

RT: 8.13 min Scan# 1661

Delta R.T. 0.00 min

Lab File: VL035228.D

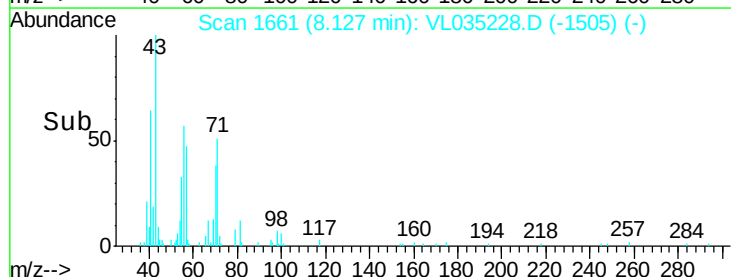
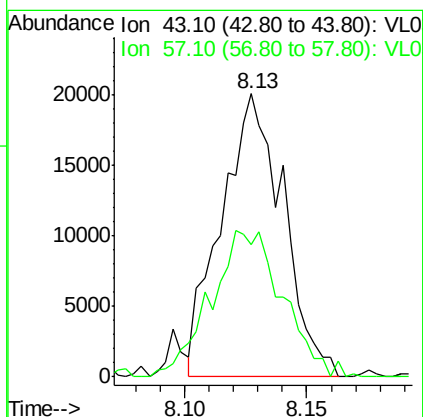
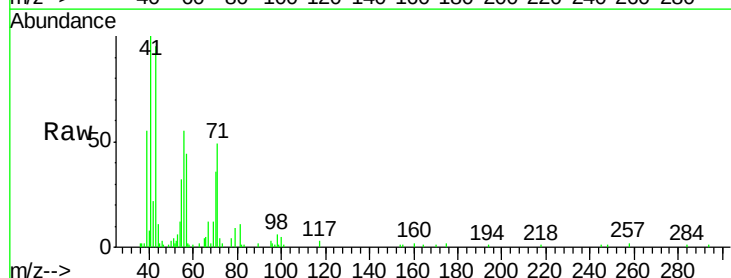
Acq: 23 Jul 2020 14:33

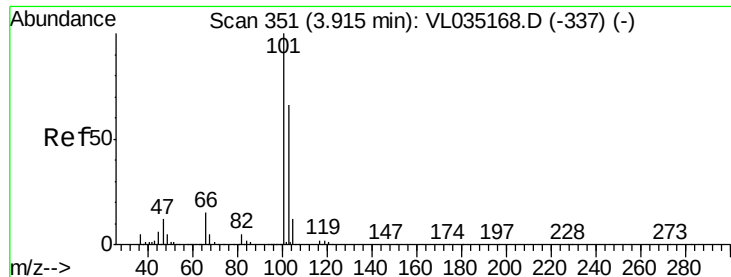
Tgt Ion: 43 Resp: 35530

Ion Ratio Lower Upper

43 100

57 60.6 41.8 62.6





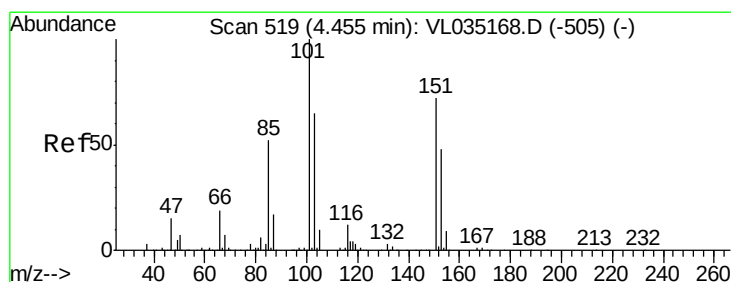
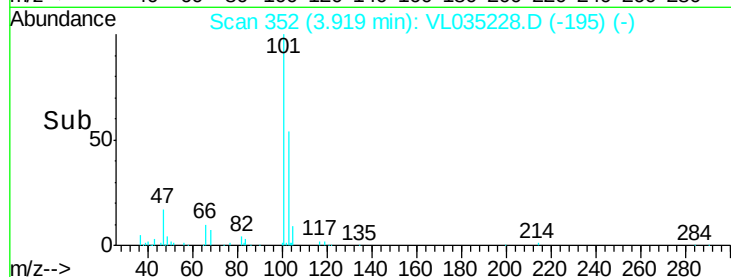
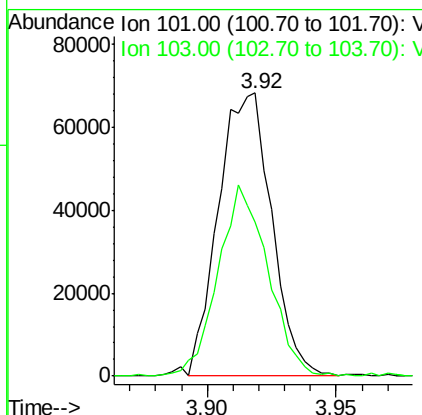
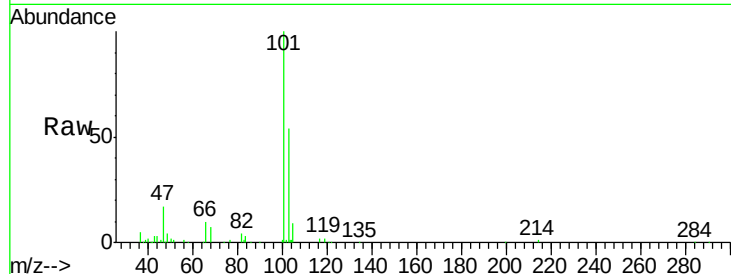
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 Trichlorofluoromethane
 Concen: 0.533 ppbv
 RT: 3.92 min Scan# 352
 Delta R.T. 0.00 min
 Lab File: VL035228.D
 Acq: 23 Jul 2020 14:33

Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT3-2020

Tgt Ion:101 Resp: 98039
 Ion Ratio Lower Upper
 101 100
 103 54.4 53.1 79.7

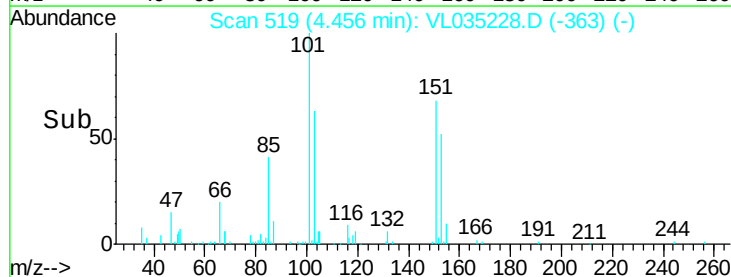
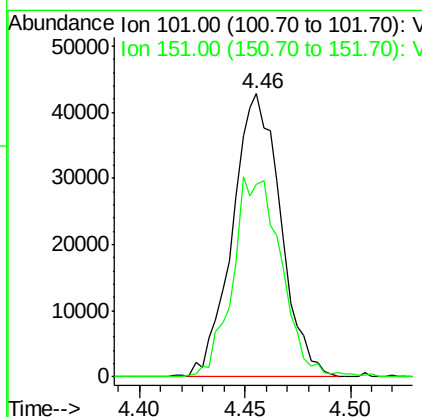
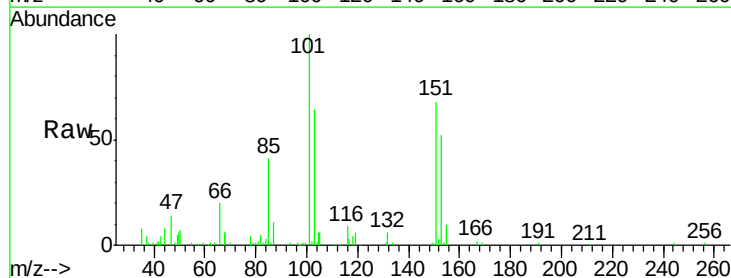
Manual Integrations
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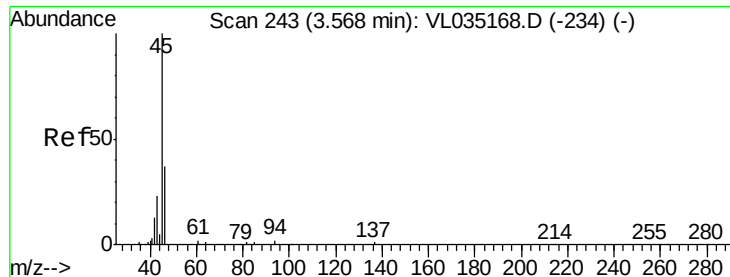
MMDadoda
 7/27/2020 12:29:49 PM



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.526 ppbv
 RT: 4.46 min Scan# 519
 Delta R.T. 0.00 min
 Lab File: VL035228.D
 Acq: 23 Jul 2020 14:33

Tgt Ion:101 Resp: 67995
 Ion Ratio Lower Upper
 101 100
 151 70.9 57.0 85.4





#13

Ethanol

Concen: 0.557 ppbv m

RT: 3.57 min Scan# 245

Delta R.T. 0.01 min

Lab File: VL035228.D

Acq: 23 Jul 2020 14:33

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT3-2020

Tgt Ion: 45 Resp: 8608

Ion Ratio Lower Upper

45 100

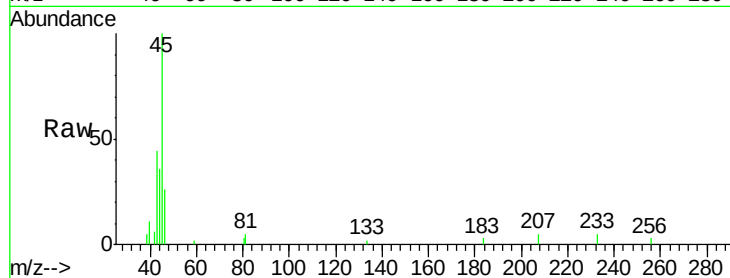
46 45.7 16.2 65.0

Manual Integrations

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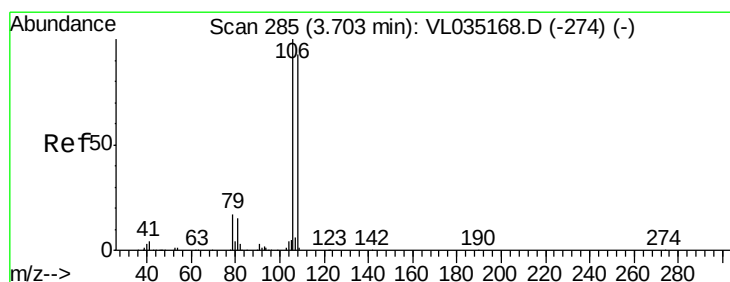
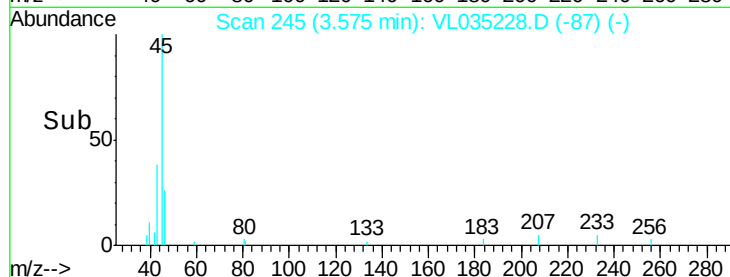
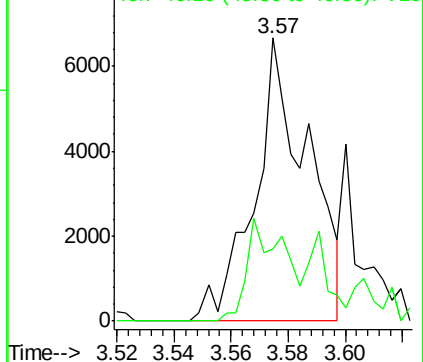
MMDadoda

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Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0



#14

Bromoethene

Concen: 0.488 ppbv m

RT: 3.70 min Scan# 284

Delta R.T. -0.00 min

Lab File: VL035228.D

Acq: 23 Jul 2020 14:33

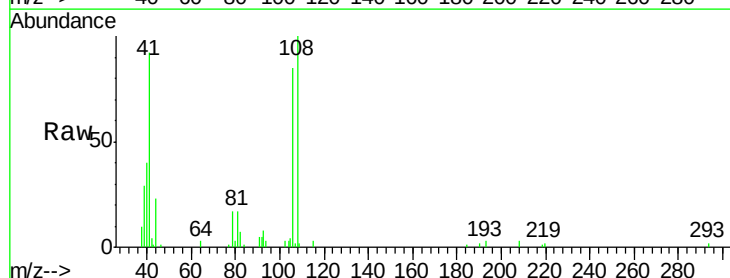
Tgt Ion: 108 Resp: 25941

Ion Ratio Lower Upper

108 100

106 104.8 86.2 129.2

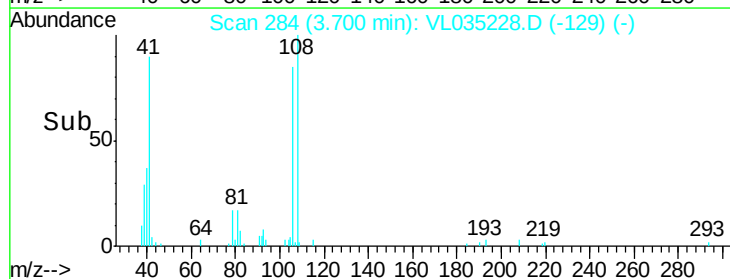
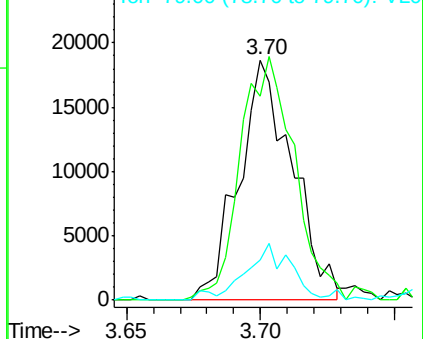
79 20.4 15.0 22.6

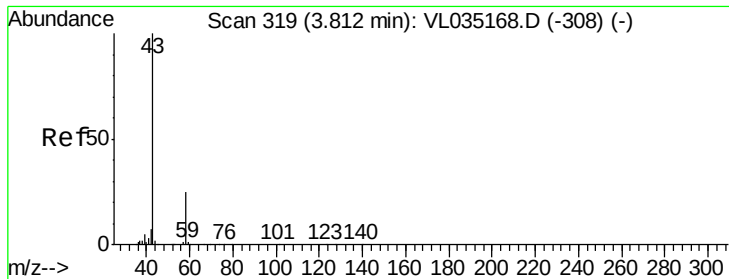


Abundance Ion 108.00 (107.70 to 108.70): V

Ion 106.00 (105.70 to 106.70): V

Ion 79.00 (78.70 to 79.70): VL0





#15

Acetone

Concen: 0.592 ppbv

RT: 3.83 min Scan# 324

Delta R.T. 0.02 min

Lab File: VL035228.D

Acq: 23 Jul 2020 14:33

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT3-2020

Tgt Ion: 43 Resp: 93266

Ion Ratio Lower Upper

43 100

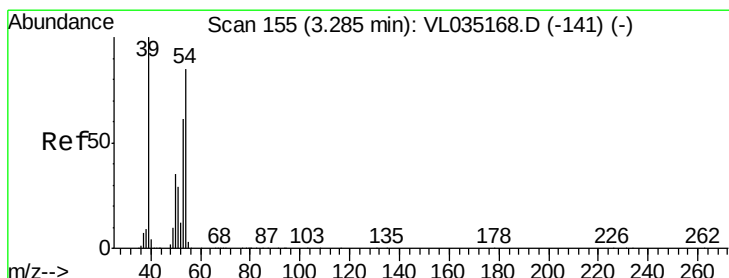
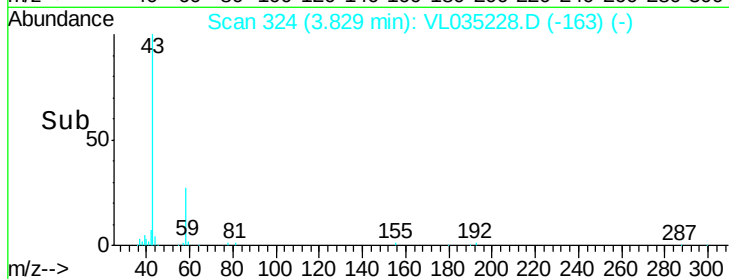
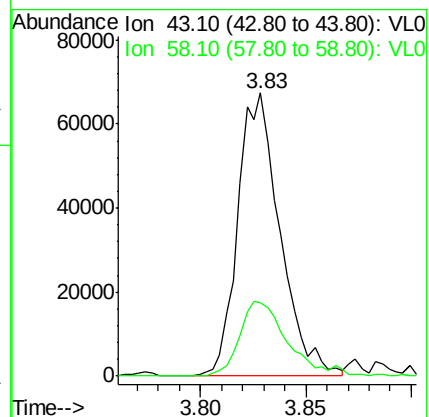
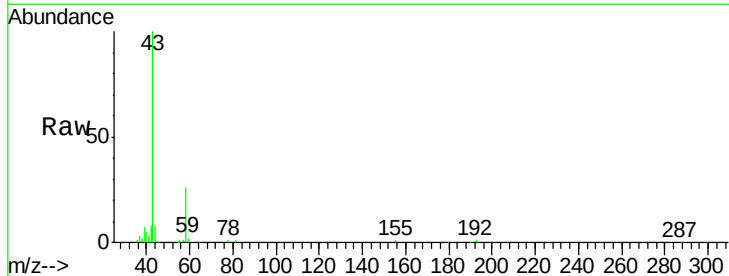
58 30.4 21.3 31.9

Manual Integrations

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#16

1,3-Butadiene

Concen: 0.384 ppbv m

RT: 3.29 min Scan# 155

Delta R.T. 0.00 min

Lab File: VL035228.D

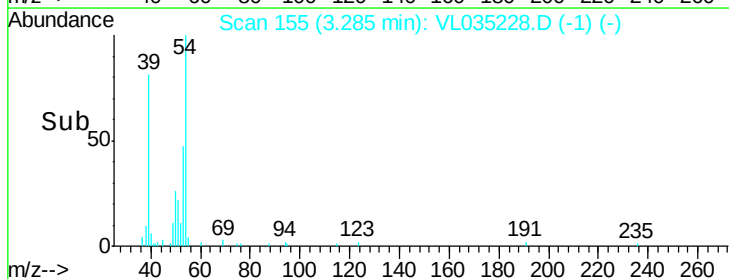
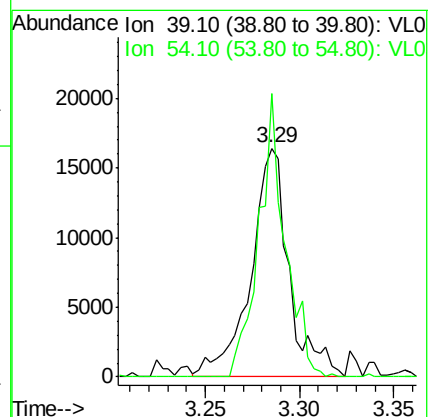
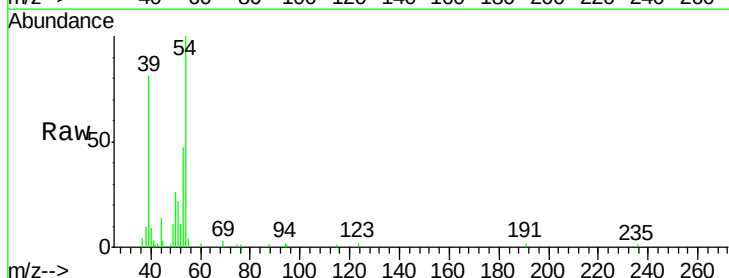
Acq: 23 Jul 2020 14:33

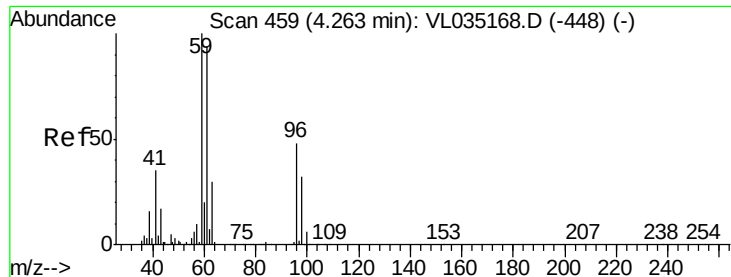
Tgt Ion: 39 Resp: 23198

Ion Ratio Lower Upper

39 100

54 85.3 67.2 100.8





#17

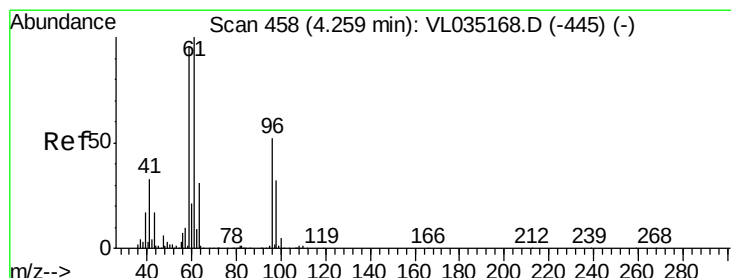
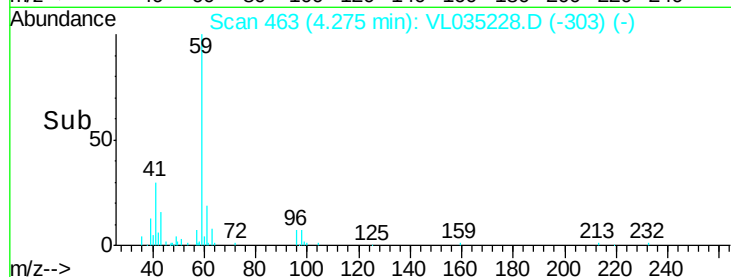
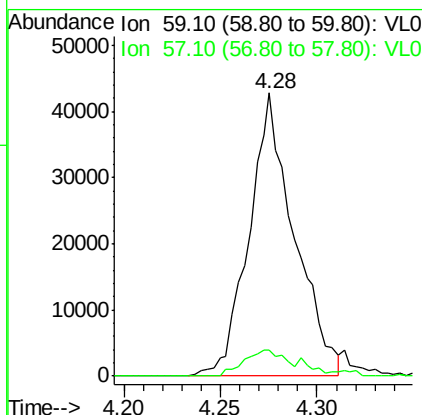
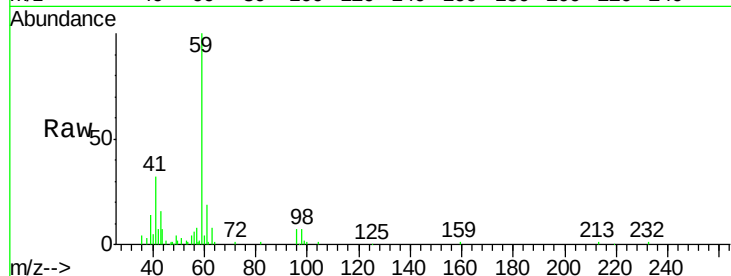
tert-Butyl alcohol
Concen: 0.500 ppbv
RT: 4.28 min Scan# 463
Delta R.T. 0.01 min
Lab File: VL035228.D
Acq: 23 Jul 2020 14:33

Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT3-2020

Tgt Ion	Ratio	Lower	Upper
59	100		
57	11.3	8.6	12.8

Manual Integrations
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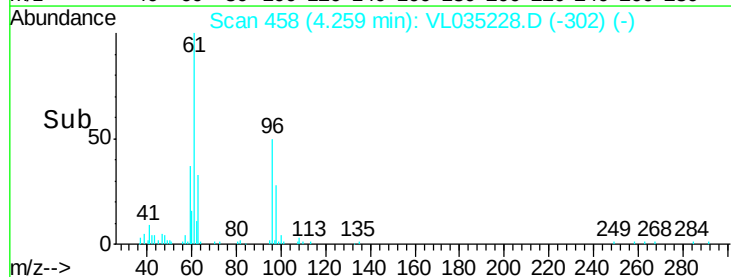
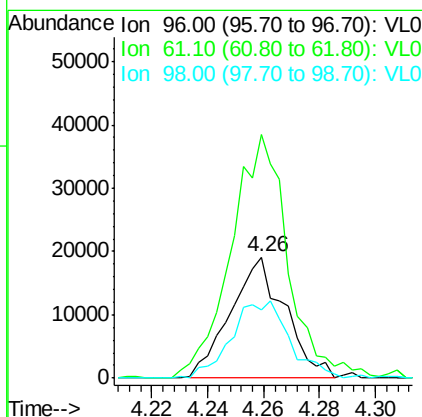
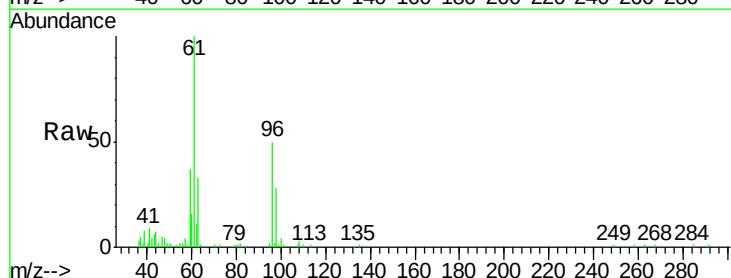
MMDadoda
7/27/2020 12:29:49 PM

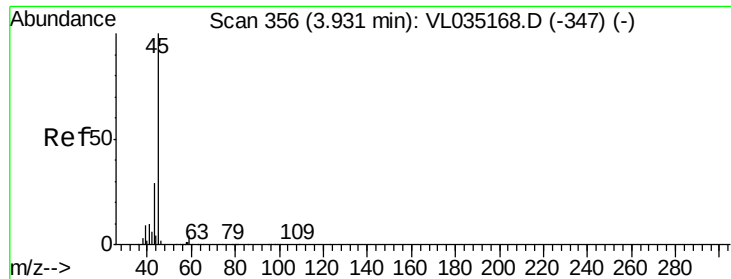


#18

1,1-Dichloroethene
Concen: 0.450 ppbv m
RT: 4.26 min Scan# 458
Delta R.T. 0.00 min
Lab File: VL035228.D
Acq: 23 Jul 2020 14:33

Tgt Ion	Ratio	Lower	Upper
96	100		
61	201.5	152.9	229.3
98	56.8	48.7	73.1





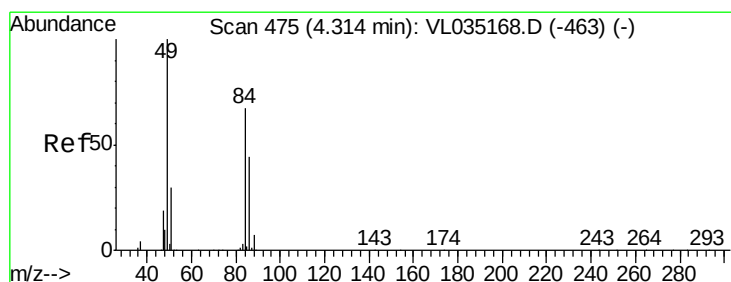
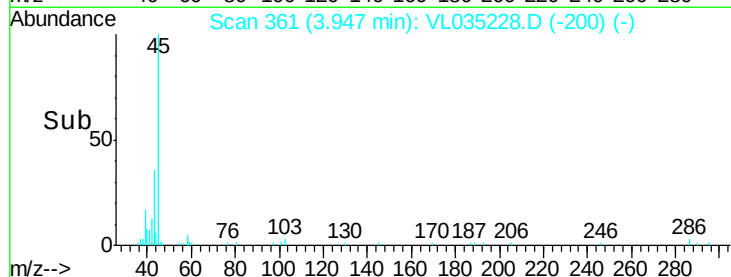
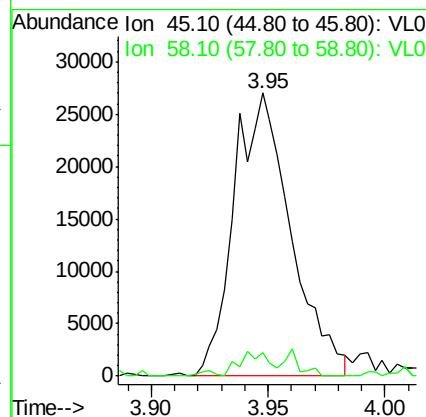
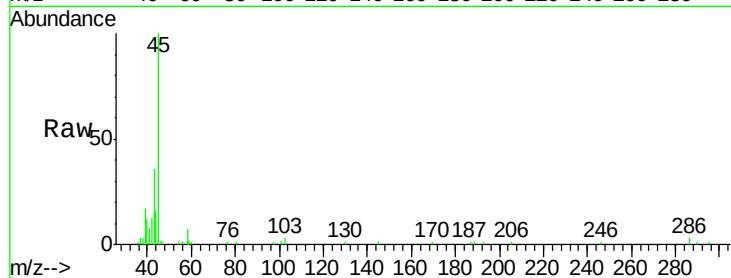
#19
Isopropyl Alcohol
Concen: 0.483 ppbv m
RT: 3.95 min Scan# 361
Delta R.T. 0.02 min
Lab File: VL035228.D
Acq: 23 Jul 2020 14:33

Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT3-2020

Tgt Ion: 45 Resp: 45856
Ion Ratio Lower Upper
45 100
58 0.0 2.1 3.1#

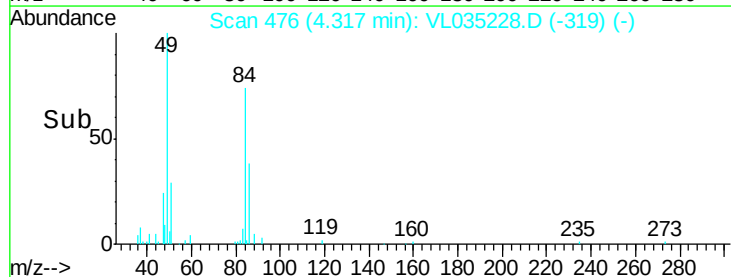
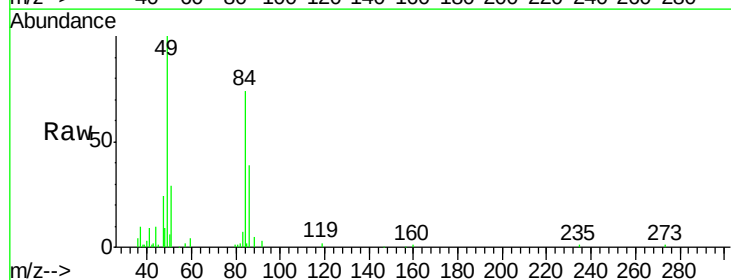
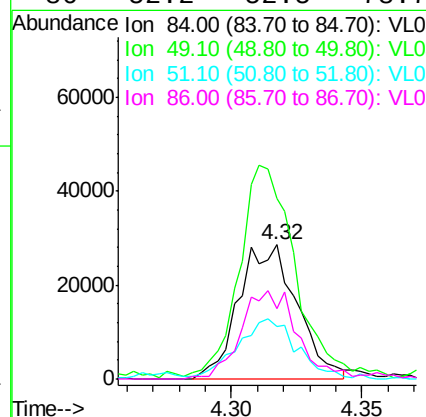
Manual Integrations
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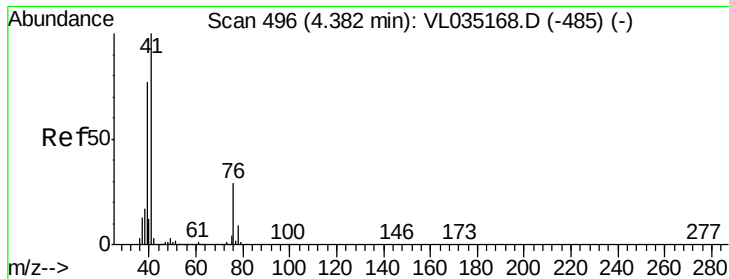
MMDadoda
7/27/2020 12:29:49 PM



#20
Methylene Chloride
Concen: 0.648 ppbv m
RT: 4.32 min Scan# 476
Delta R.T. 0.00 min
Lab File: VL035228.D
Acq: 23 Jul 2020 14:33

Tgt Ion: 84 Resp: 44372
Ion Ratio Lower Upper
84 100
49 134.7 119.4 179.0
51 38.7 36.6 55.0
86 52.2 52.5 78.7#





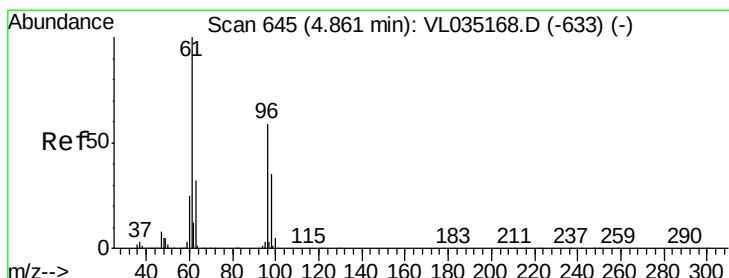
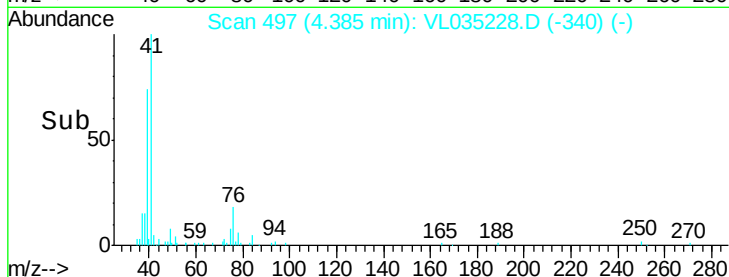
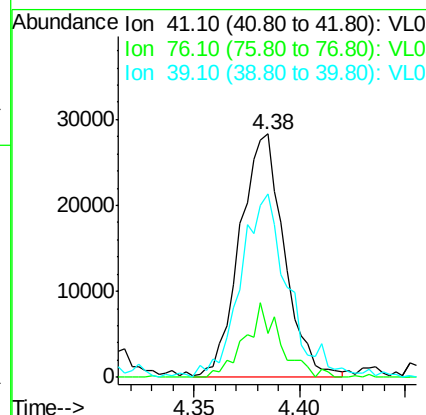
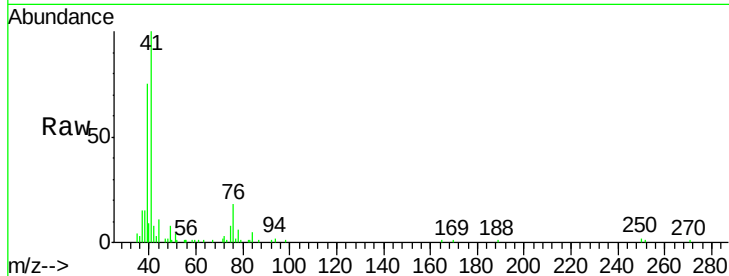
#21
 Allyl Chloride
 Concen: 0.453 ppbv
 RT: 4.38 min Scan# 497
 Delta R.T. 0.00 min
 Lab File: VL035228.D
 Acq: 23 Jul 2020 14:33

Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT3-2020

Tgt Ion	Ratio	Lower	Upper
41	100		
76	24.4	23.5	35.3
39	82.0	63.4	95.0

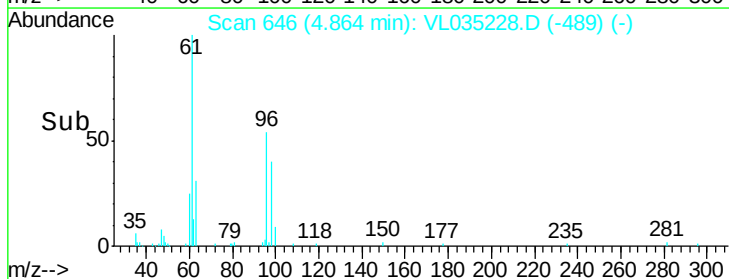
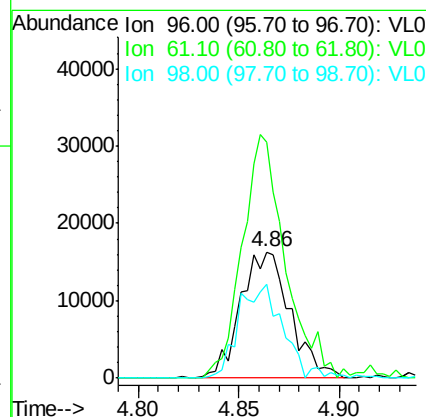
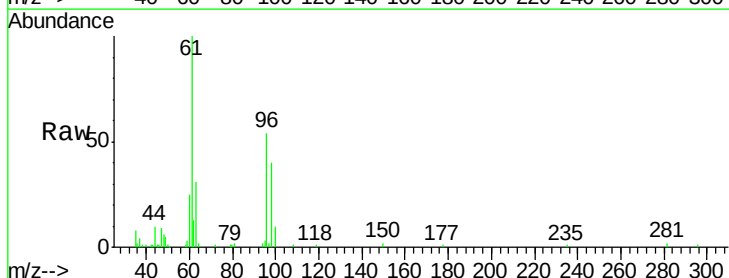
Manual Integrations
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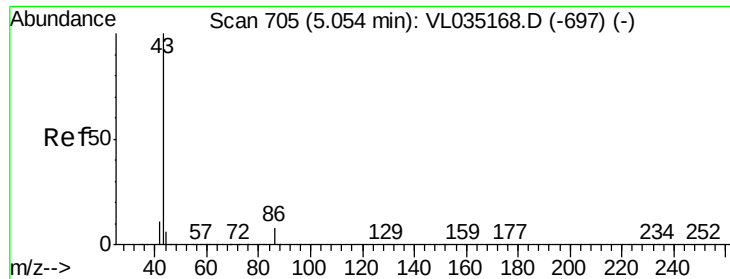
MMDadoda
 7/27/2020 12:29:49 PM



#22
 trans-1,2-Dichloroethene
 Concen: 0.493 ppbv m
 RT: 4.86 min Scan# 646
 Delta R.T. 0.00 min
 Lab File: VL035228.D
 Acq: 23 Jul 2020 14:33

Tgt Ion	Ratio	Lower	Upper
96	100		
61	186.8	136.5	204.7
98	74.4	47.5	71.3#





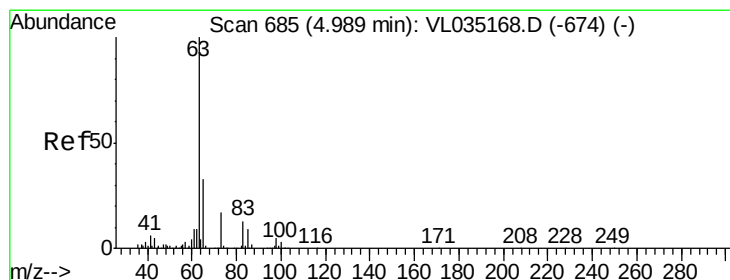
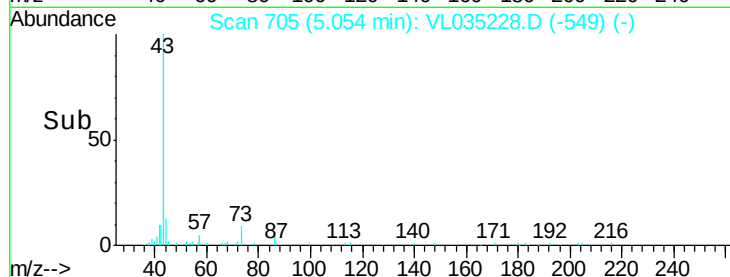
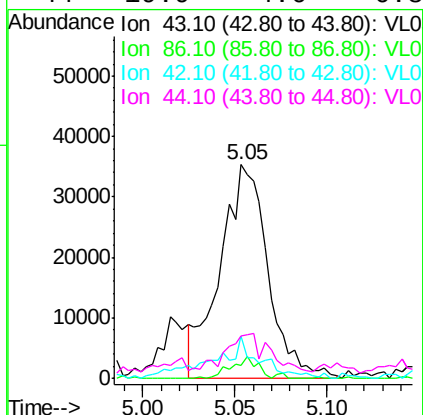
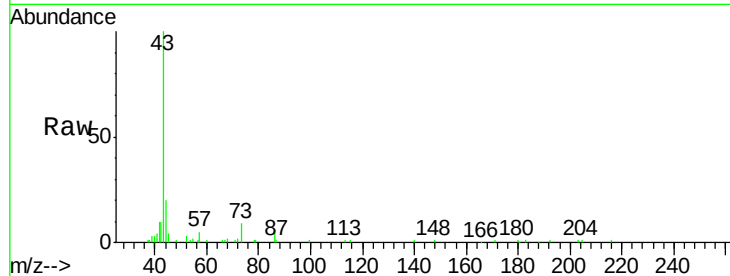
#23
 Vinyl Acetate
 Concen: 0.375 ppbv m
 RT: 5.05 min Scan# 705
 Delta R.T. 0.00 min
 Lab File: VL035228.D
 Acq: 23 Jul 2020 14:33

Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT3-2020

Tgt Ion	Ratio	Lower	Upper
43	100		
86	5.8	6.2	9.2#
42	10.2	9.1	13.7
44	19.9	4.6	6.8#

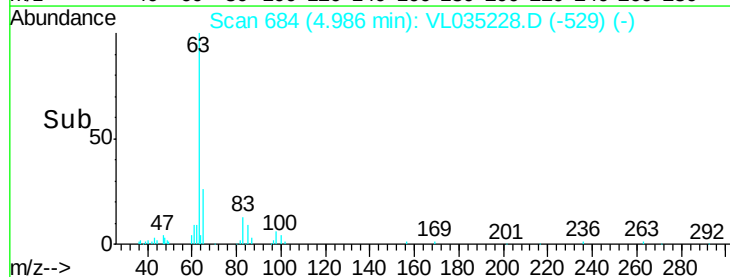
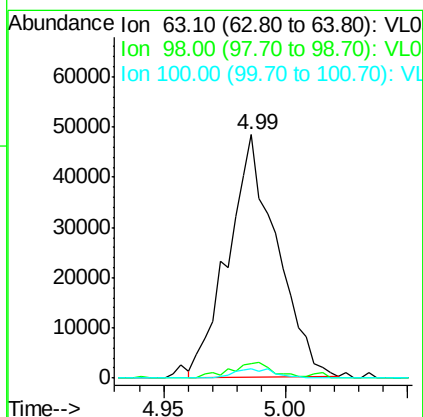
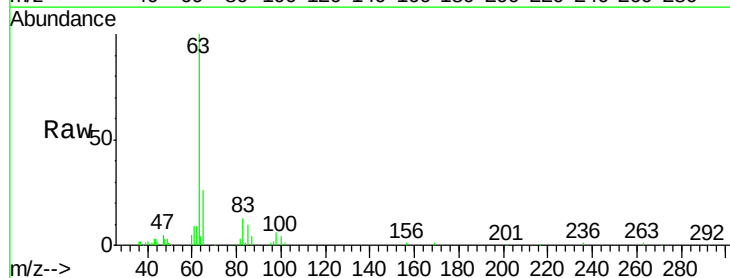
Manual Integrations
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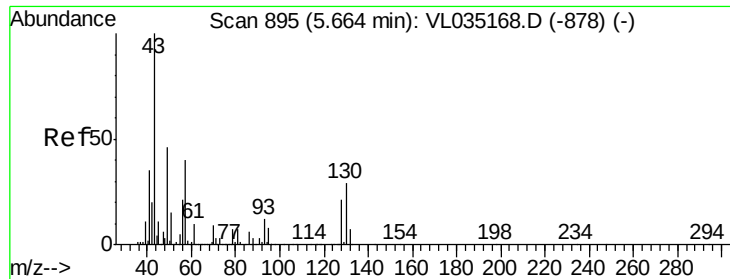
MMDadoda
 7/27/2020 12:29:49 PM



#24
 1,1-Dichloroethane
 Concen: 0.458 ppbv
 RT: 4.99 min Scan# 684
 Delta R.T. -0.00 min
 Lab File: VL035228.D
 Acq: 23 Jul 2020 14:33

Tgt Ion	Ratio	Lower	Upper
63	100		
98	6.1	2.4	7.1
100	3.6	1.4	4.0





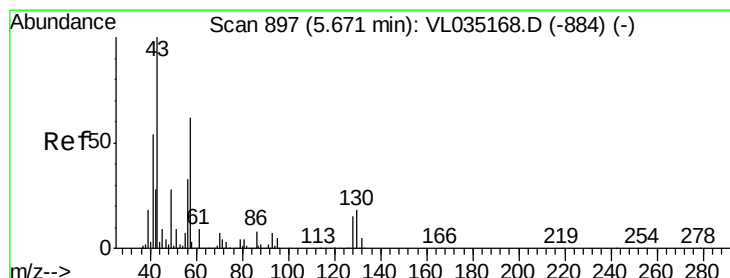
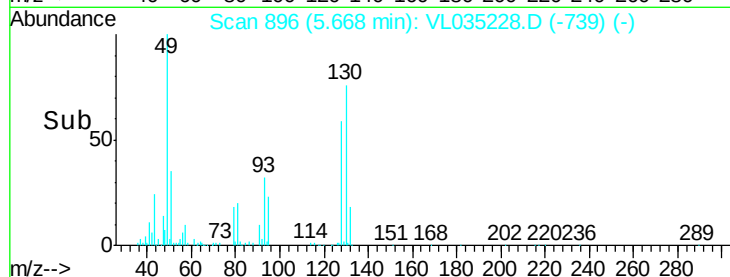
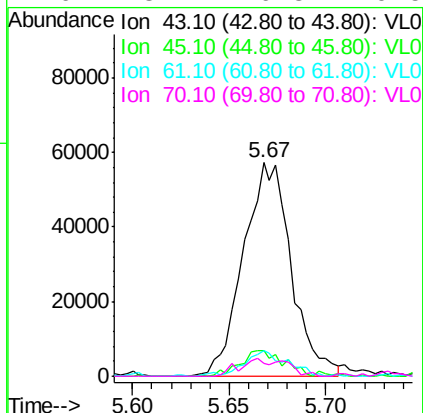
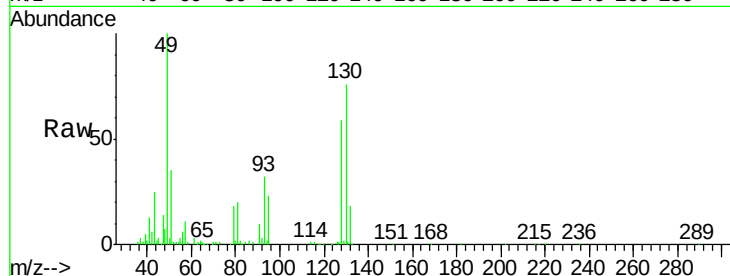
#25
Ethyl Acetate
Concen: 0.404 ppbv
RT: 5.67 min Scan# 896
Delta R.T. 0.00 min
Lab File: VL035228.D
Acq: 23 Jul 2020 14:33

Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT3-2020

Tgt Ion	Ratio	Lower	Upper
43	100		
45	11.6	8.5	12.7
61	11.1	8.1	12.1
70	8.1	6.3	9.5

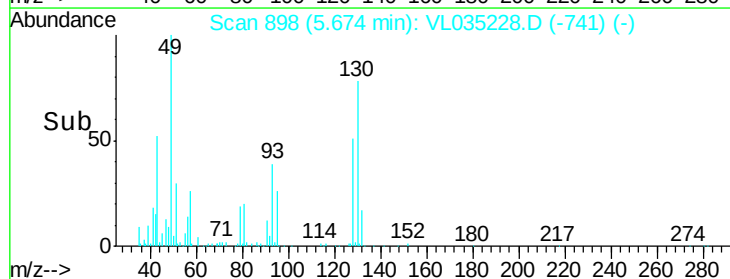
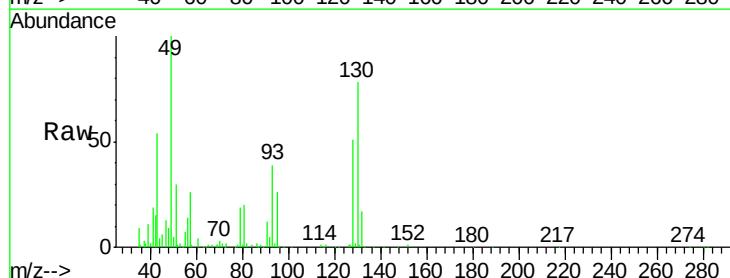
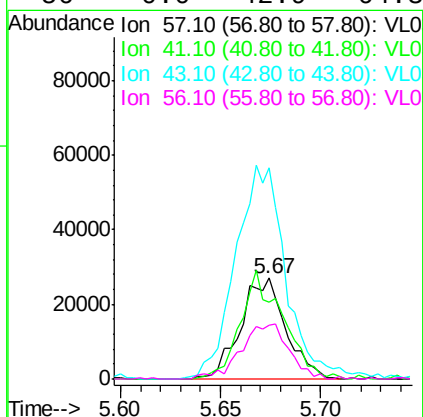
Manual Integrations
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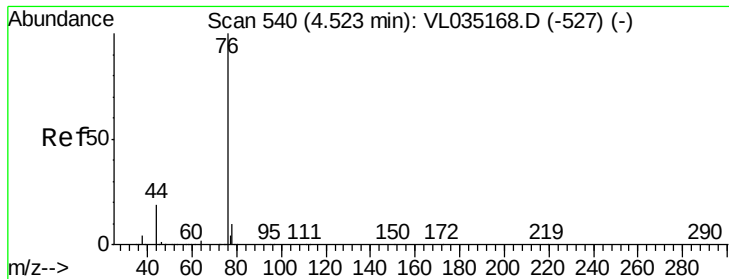
MMDadoda
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#26
Hexane
Concen: 0.396 ppbv m
RT: 5.67 min Scan# 898
Delta R.T. 0.00 min
Lab File: VL035228.D
Acq: 23 Jul 2020 14:33

Tgt Ion	Ratio	Lower	Upper
57	100		
41	102.1	72.9	109.3
43	239.7	179.5	269.3
56	0.0	42.9	64.3#





#27

Carbon Disulfide

Concen: 0.463 ppbv m

RT: 4.53 min Scan# 542

Delta R.T. 0.01 min

Lab File: VL035228.D

Acq: 23 Jul 2020 14:33

Instrument :

MSVOA_L

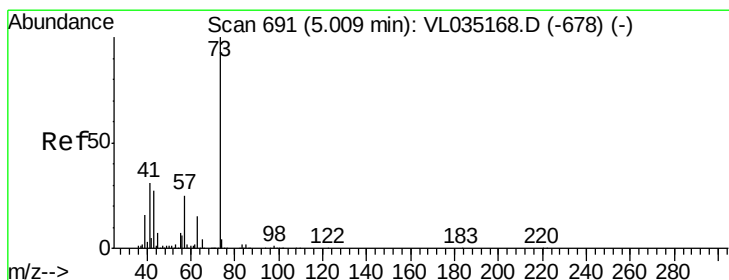
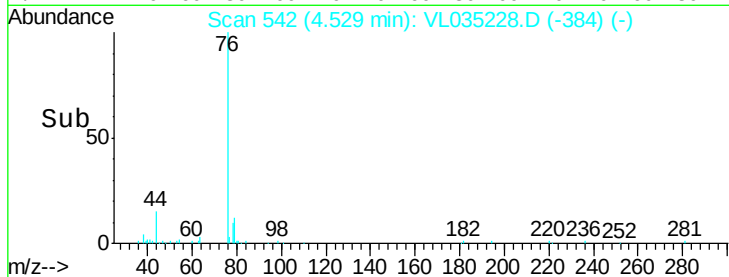
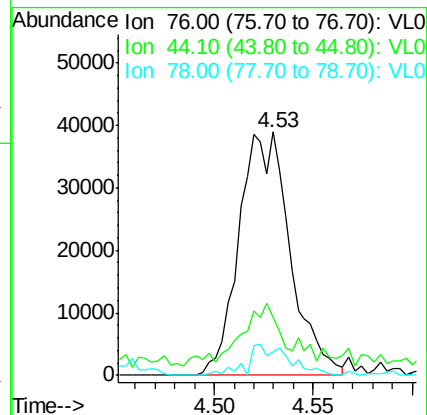
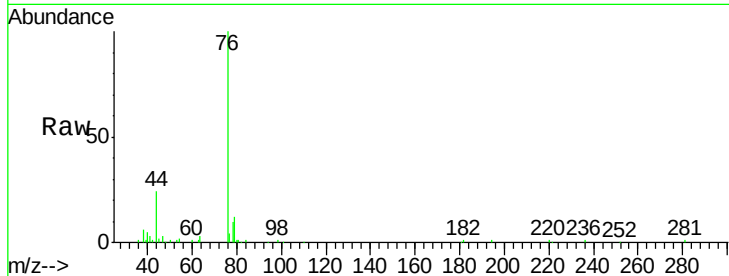
ClientSampleId :

LOD-MDL-AIR-01-QT3-2020

Tgt Ion:	76	Resp:	69694
Ion	Ratio	Lower	Upper
76	100		
44	26.0	14.9	22.3#
78	10.6	7.5	11.3

Manual Integrations
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#28

Methyl tert-Butyl Ether

Concen: 0.338 ppbv m

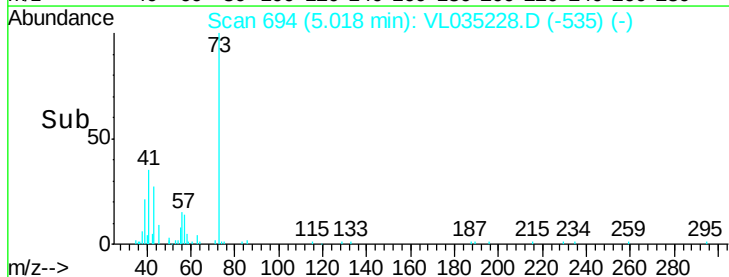
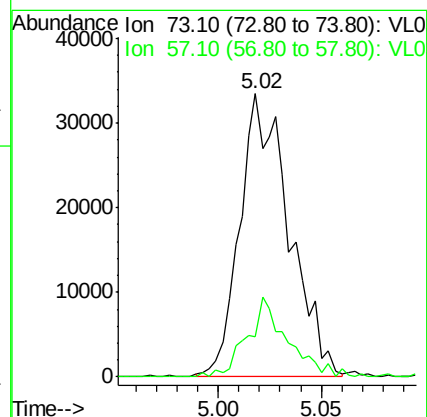
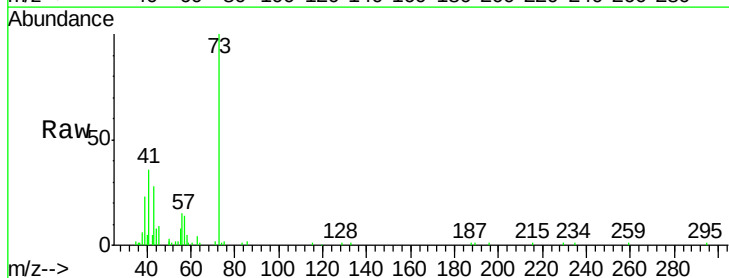
RT: 5.02 min Scan# 694

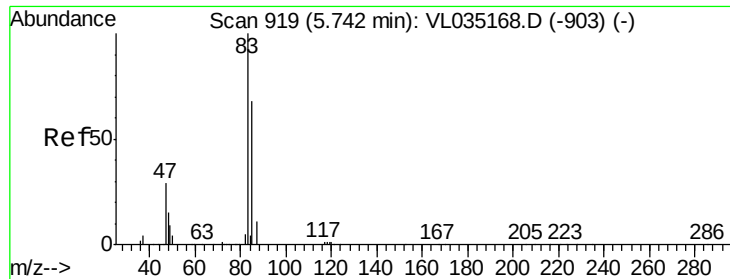
Delta R.T. 0.01 min

Lab File: VL035228.D

Acq: 23 Jul 2020 14:33

Tgt Ion:	73	Resp:	55530
Ion	Ratio	Lower	Upper
73	100		
57	22.9	18.1	27.1





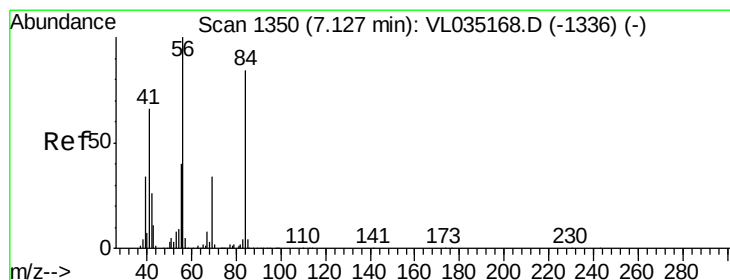
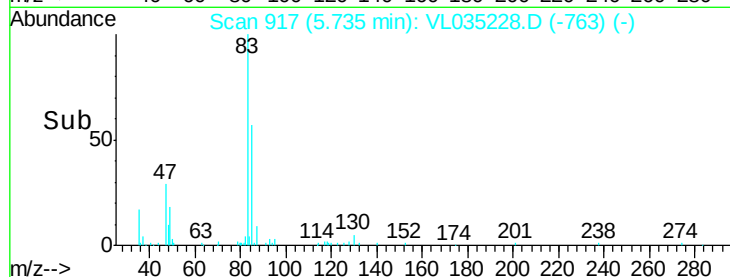
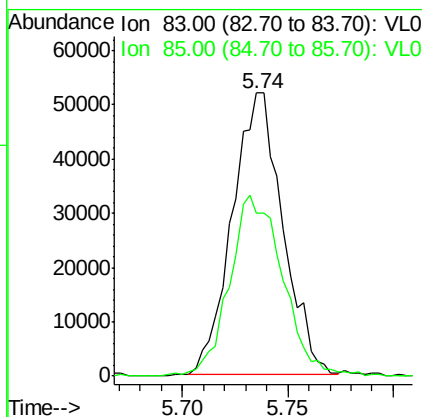
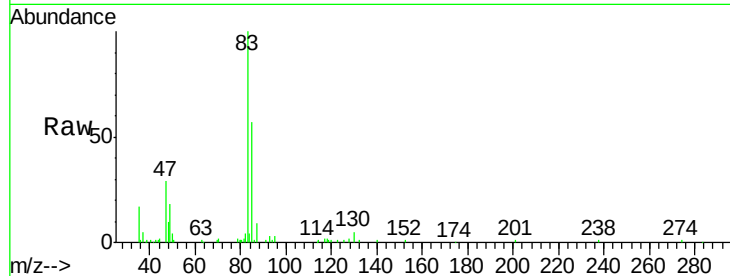
#29
Chloroform
Concen: 0.479 ppbv
RT: 5.74 min Scan# 917
Delta R.T. -0.01 min
Lab File: VL035228.D
Acq: 23 Jul 2020 14:33

Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT3-2020

Tgt Ion: 83 Resp: 86560
Ion Ratio Lower Upper
83 100
85 56.1 54.3 81.5

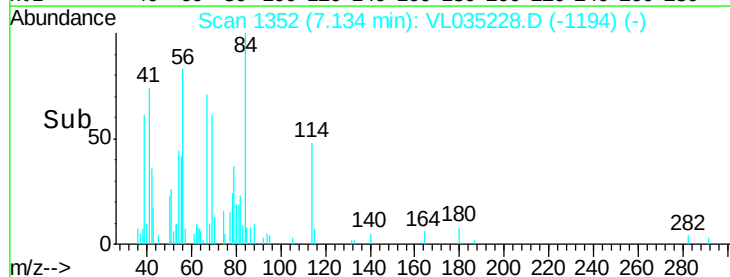
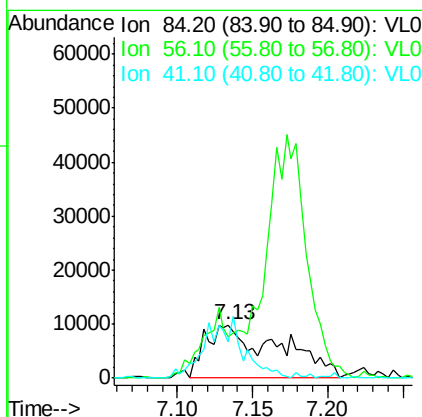
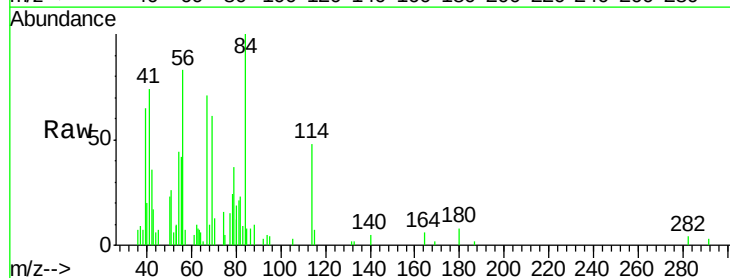
Manual Integrations
APPROVED

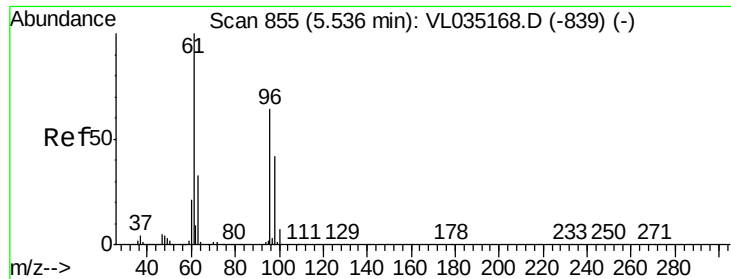
MMDadoda
7/27/2020 12:29:49 PM



#30
Cyclohexane
Concen: 0.421 ppbv m
RT: 7.13 min Scan# 1352
Delta R.T. 0.01 min
Lab File: VL035228.D
Acq: 23 Jul 2020 14:33

Tgt Ion: 84 Resp: 33573
Ion Ratio Lower Upper
84 100
56 0.0 105.6 158.4#
41 0.0 64.9 97.3#





#31

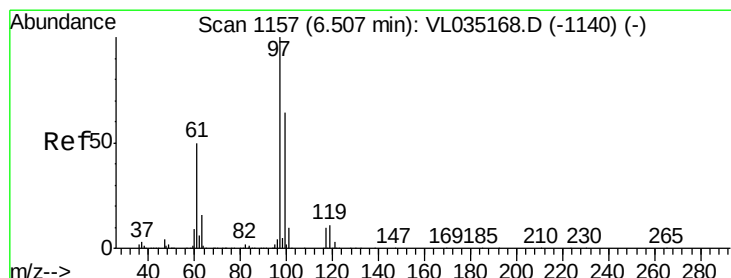
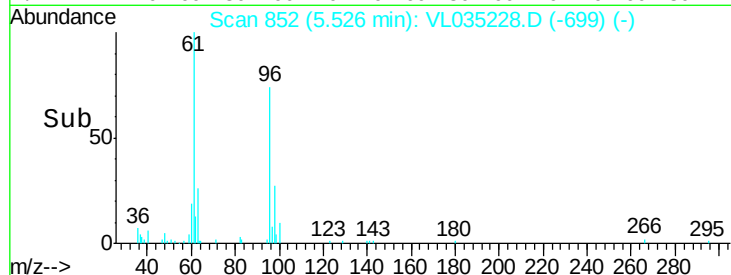
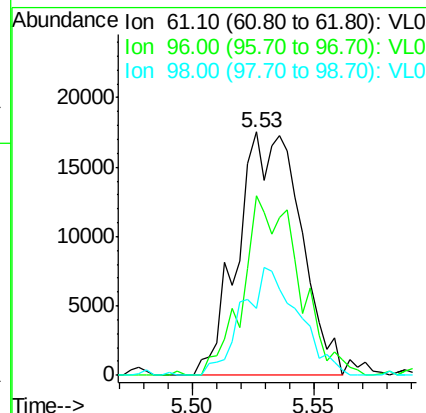
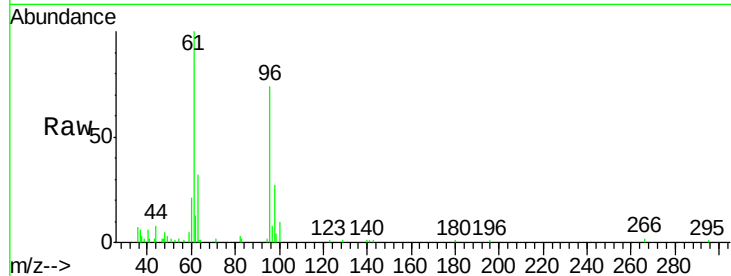
cis-1,2-Dichloroethene
 Concen: 0.308 ppbv m
 RT: 5.53 min Scan# 852
 Delta R.T. -0.01 min
 Lab File: VL035228.D
 Acq: 23 Jul 2020 14:33

Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT3-2020

Tgt Ion	Ratio	Lower	Upper
61	100		
96	73.7	51.3	76.9
98	27.3	33.8	50.8#

Manual Integrations
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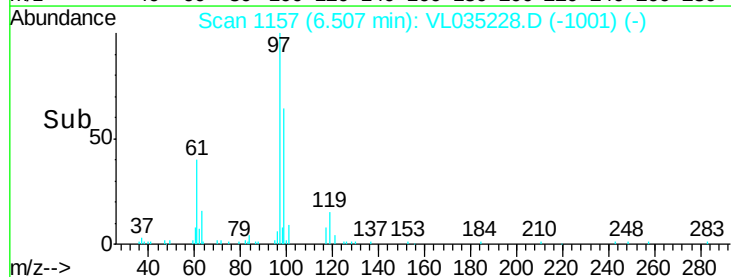
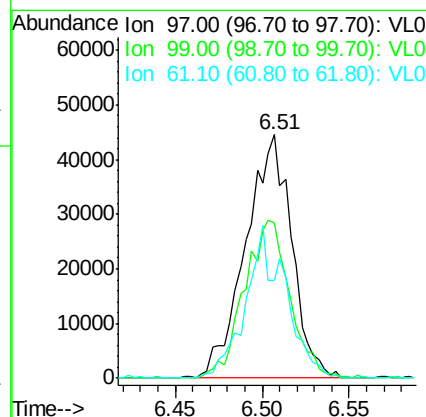
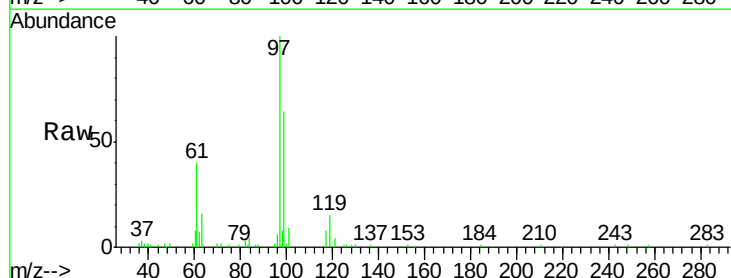
MMDadoda
 7/27/2020 12:29:49 PM

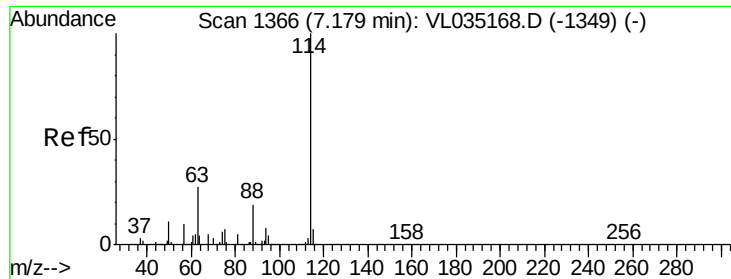


#32

1,1,1-Trichloroethane
 Concen: 0.452 ppbv m
 RT: 6.51 min Scan# 1157
 Delta R.T. 0.00 min
 Lab File: VL035228.D
 Acq: 23 Jul 2020 14:33

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.1	51.2	76.8
61	54.2	40.9	61.3





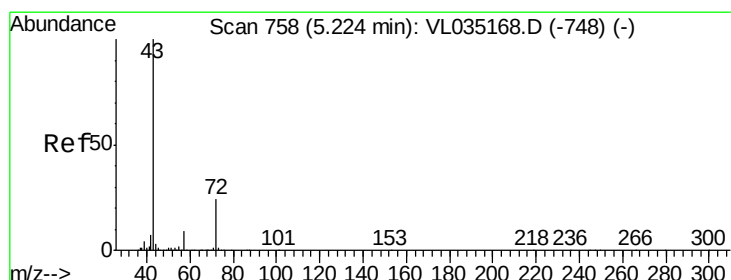
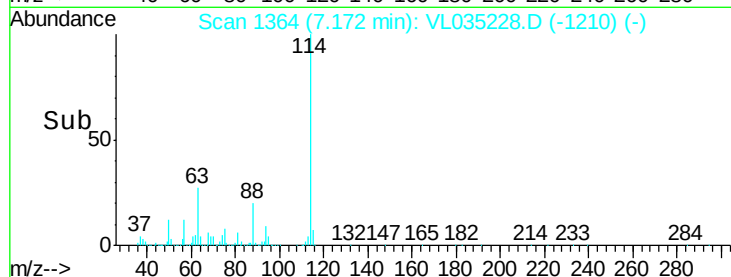
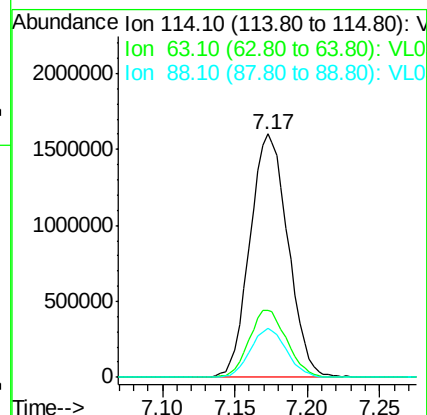
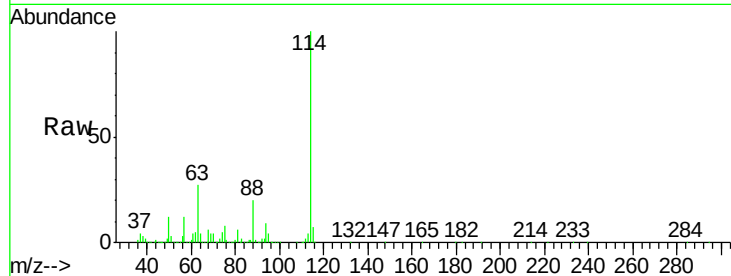
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.17 min Scan# 1364
 Delta R.T. -0.01 min
 Lab File: VL035228.D
 Acq: 23 Jul 2020 14:33

Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT3-2020

Tgt Ion	Ratio	Lower	Upper
114	100		
63	27.4	22.0	33.0
88	19.2	15.4	23.0

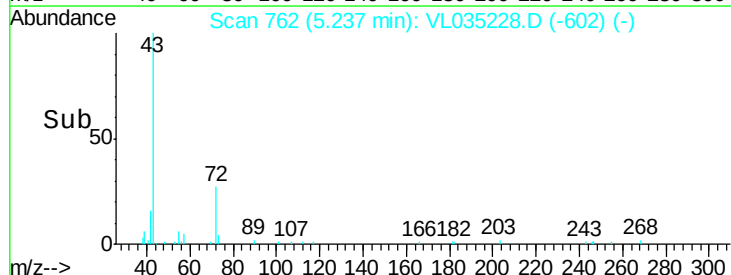
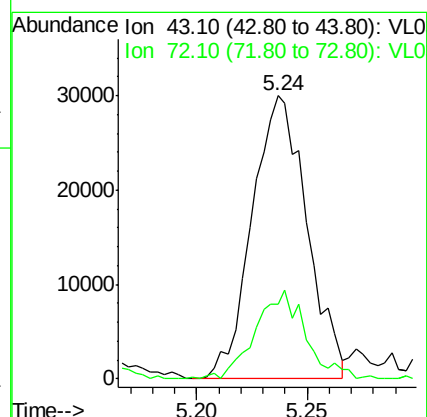
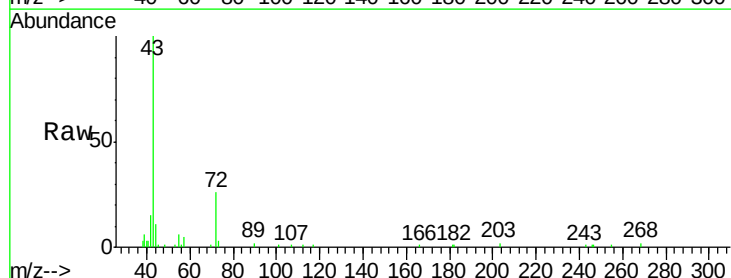
Manual Integrations
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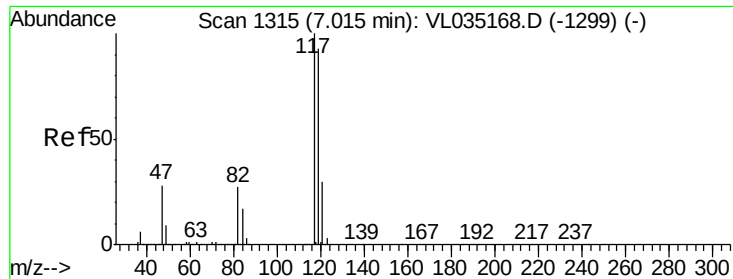
MMDadoda
 7/27/2020 12:29:49 PM



#34
 2-Butanone
 Concen: 0.331 ppbv
 RT: 5.24 min Scan# 762
 Delta R.T. 0.01 min
 Lab File: VL035228.D
 Acq: 23 Jul 2020 14:33

Tgt Ion	Ratio	Lower	Upper
43	100		
72	28.6	18.6	28.0#





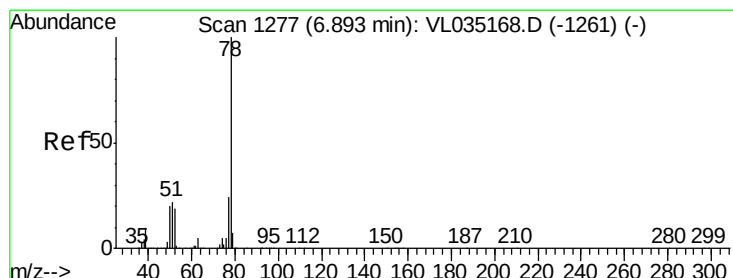
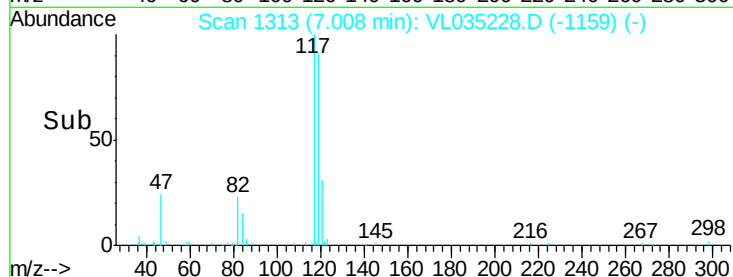
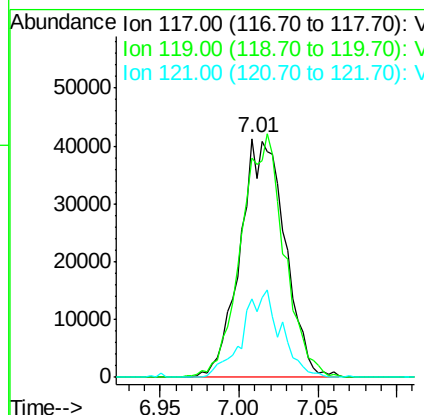
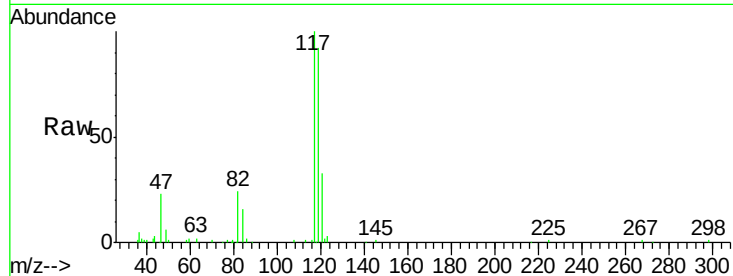
#35
Carbon Tetrachloride
Concen: 0.432 ppbv m
RT: 7.01 min Scan# 1313
Delta R.T. -0.01 min
Lab File: VL035228.D
Acq: 23 Jul 2020 14:33

Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT3-2020

Tgt Ion	Ratio	Lower	Upper
117	100		
119	91.9	74.8	112.2
121	32.7	24.2	36.2

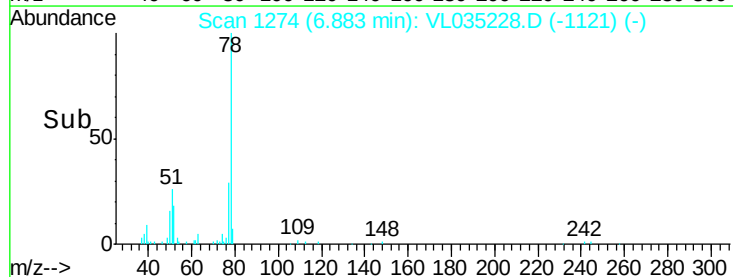
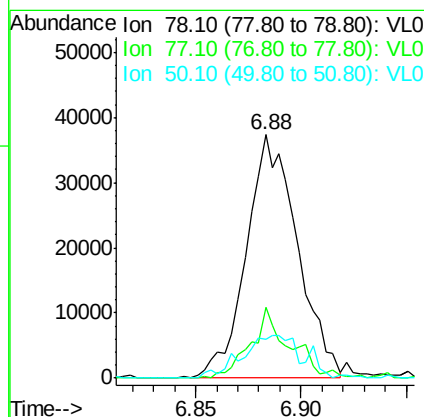
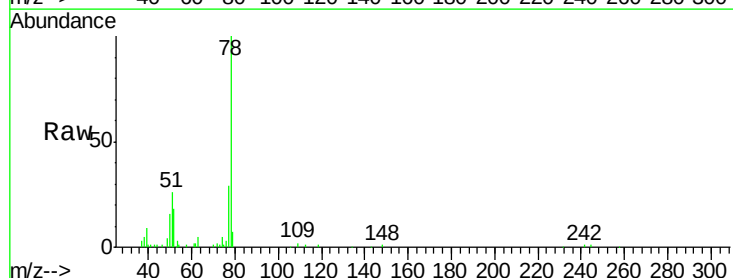
Manual Integrations
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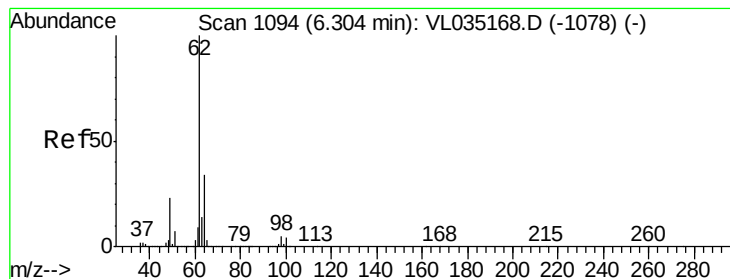
MMDadoda
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#36
Benzene
Concen: 0.296 ppbv
RT: 6.88 min Scan# 1274
Delta R.T. -0.01 min
Lab File: VL035228.D
Acq: 23 Jul 2020 14:33

Tgt Ion	Ratio	Lower	Upper
78	100		
77	29.3	19.3	28.9#
50	15.8	16.0	24.0#





#37

1,2-Dichloroethane

Concen: 0.399 ppbv m

RT: 6.29 min Scan# 1090

Delta R.T. -0.01 min

Lab File: VL035228.D

Acq: 23 Jul 2020 14:33

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT3-2020

Tgt Ion: 62 Resp: 56698

Ion Ratio Lower Upper

62 100

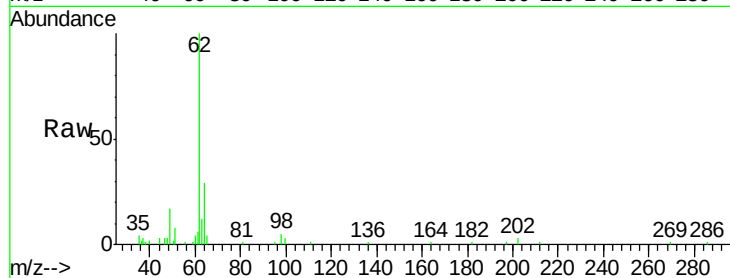
98 6.5 4.6 6.8

Manual Integrations

APPROVED

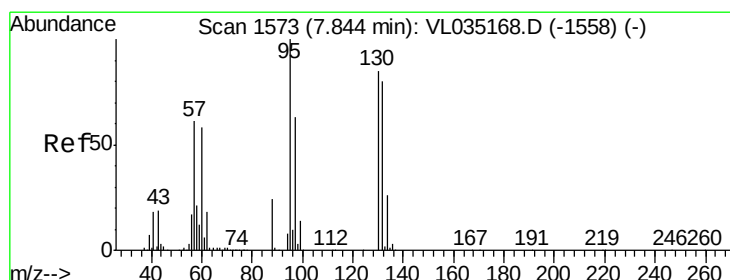
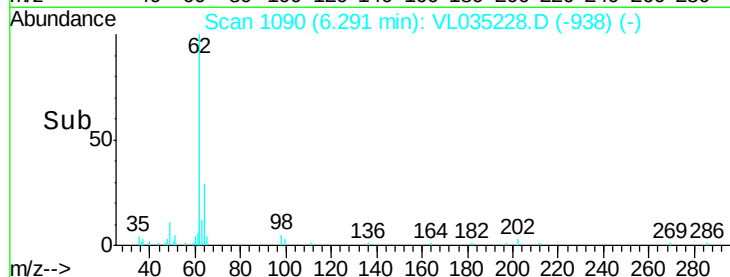
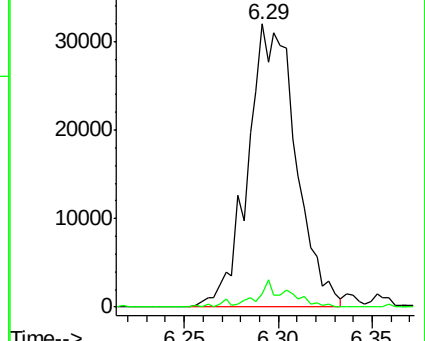
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Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 98.00 (97.70 to 98.70): VL0



#38

Trichloroethene

Concen: 0.294 ppbv m

RT: 7.84 min Scan# 1571

Delta R.T. -0.01 min

Lab File: VL035228.D

Acq: 23 Jul 2020 14:33

Tgt Ion: 130 Resp: 25364

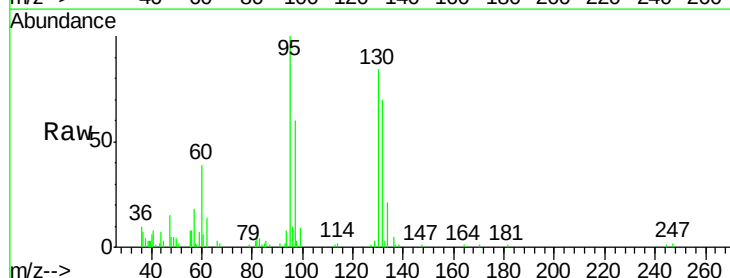
Ion Ratio Lower Upper

130 100

95 119.0 93.8 140.8

132 83.2 75.0 112.4

97 71.0 59.5 89.3

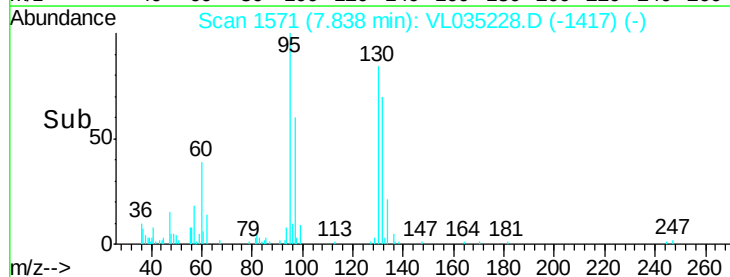
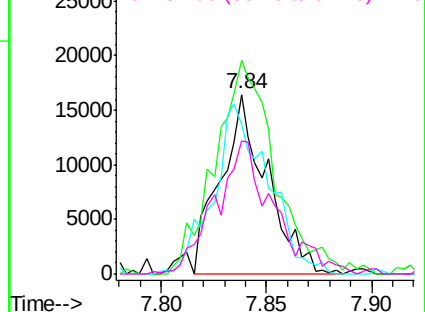


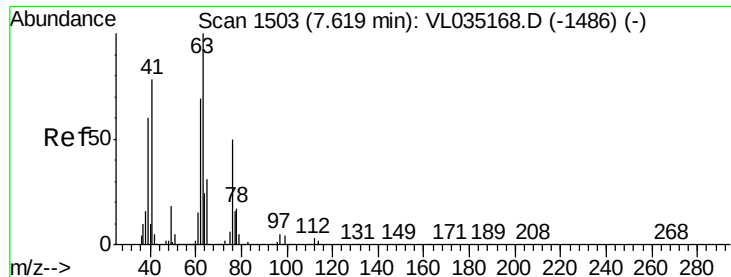
Abundance Ion 130.00 (129.70 to 130.70): V

Ion 95.00 (94.70 to 95.70): VL0

Ion 132.00 (131.70 to 132.70): V

Ion 97.00 (96.70 to 97.70): VL0





#39

1,2-Dichloropropane

Concen: 0.361 ppbv m

RT: 7.62 min Scan# 1502

Delta R.T. -0.00 min

Lab File: VL035228.D

Acq: 23 Jul 2020 14:33

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT3-2020

Tgt Ion: 63 Resp: 30425

Ion Ratio Lower Upper

63 100

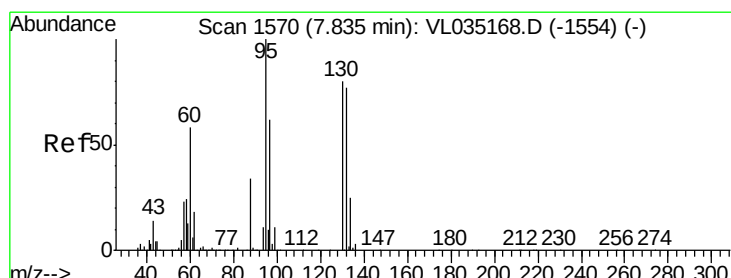
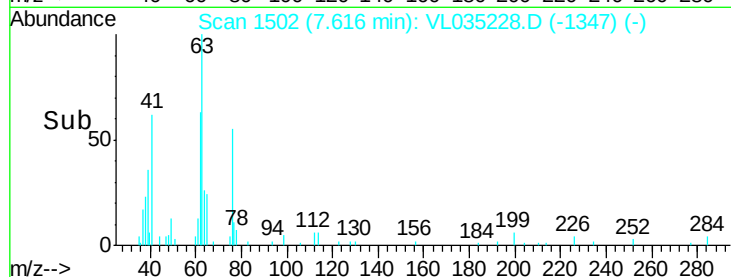
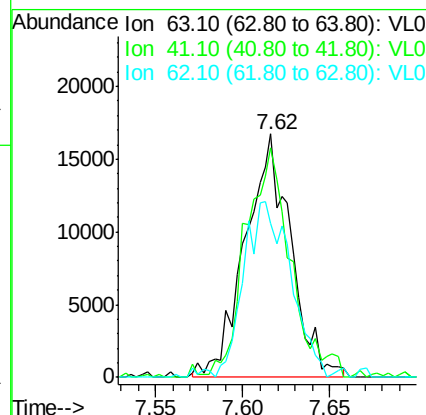
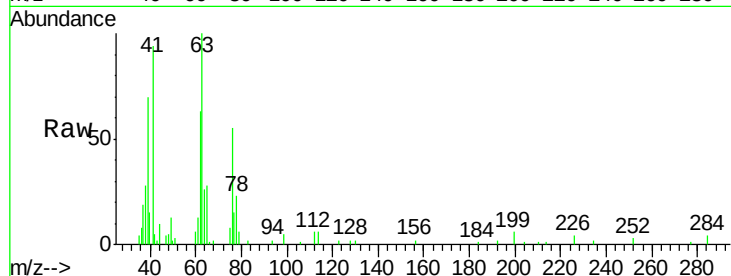
41 94.5 62.6 94.0#

62 63.2 55.0 82.6

Manual Integrations
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#40

1,4-Dioxane

Concen: 0.310 ppbv m

RT: 7.89 min Scan# 1586

Delta R.T. 0.05 min

Lab File: VL035228.D

Acq: 23 Jul 2020 14:33

Tgt Ion: 88 Resp: 10386

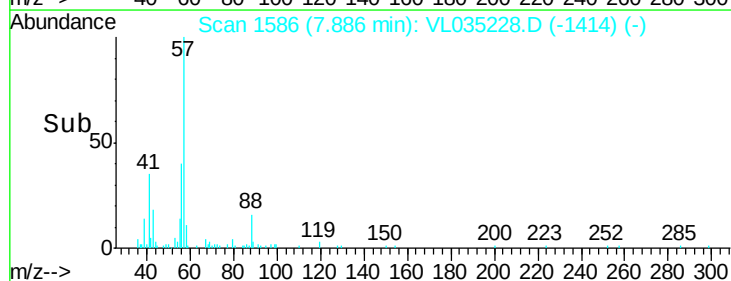
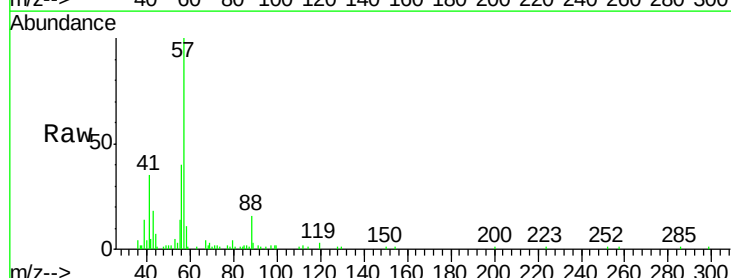
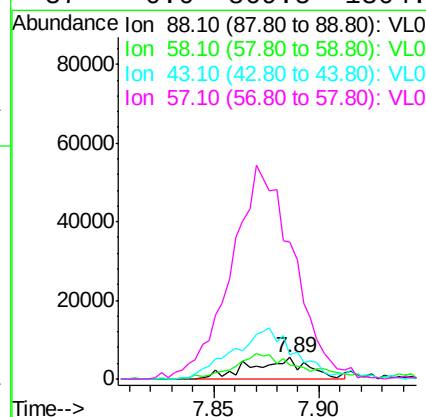
Ion Ratio Lower Upper

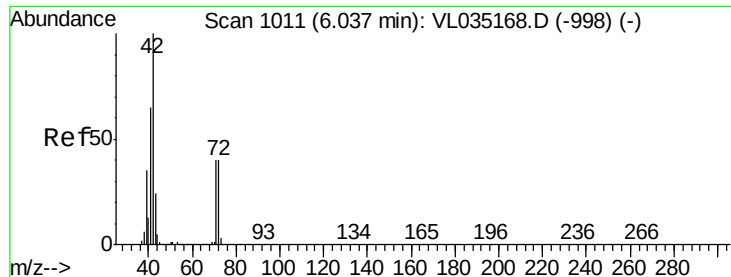
88 100

58 0.0 100.2 150.4#

43 0.0 199.8 299.8#

57 0.0 869.5 1304.3#





#41

Tetrahydrofuran

Concen: 0.268 ppbv m

RT: 6.06 min Scan# 1018

Delta R.T. 0.02 min

Lab File: VL035228.D

Acq: 23 Jul 2020 14:33

Instrument :

MSVOA_L

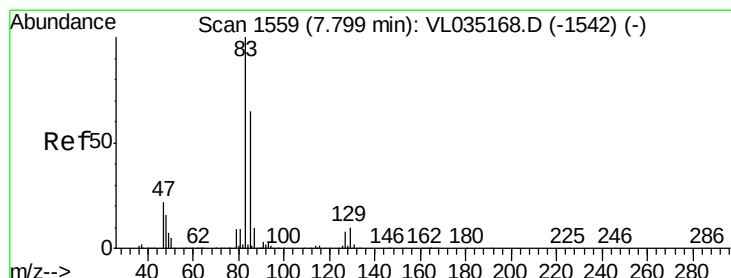
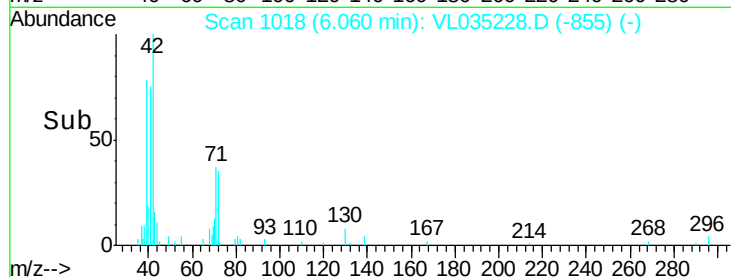
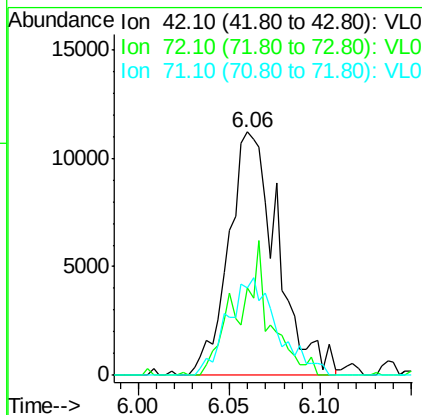
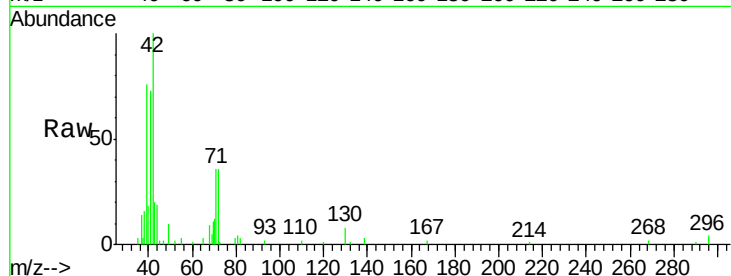
ClientSampleId :

LOD-MDL-AIR-01-QT3-2020

Tgt Ion	Ratio	Lower	Upper
42	100		
72	37.1	33.4	50.2
71	40.3	31.9	47.9

Manual Integrations
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#42

Bromodichloromethane

Concen: 0.405 ppbv m

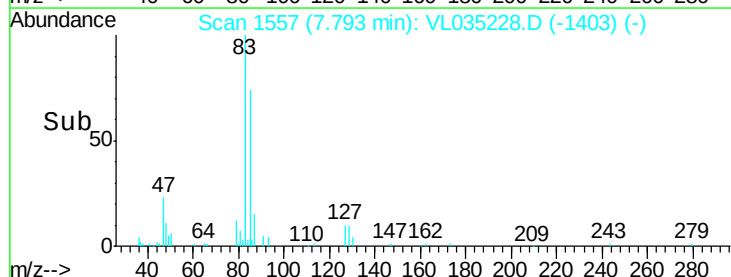
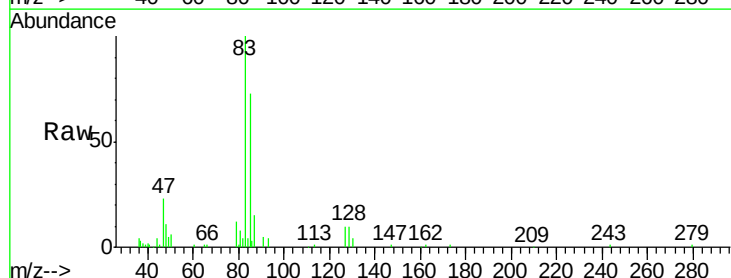
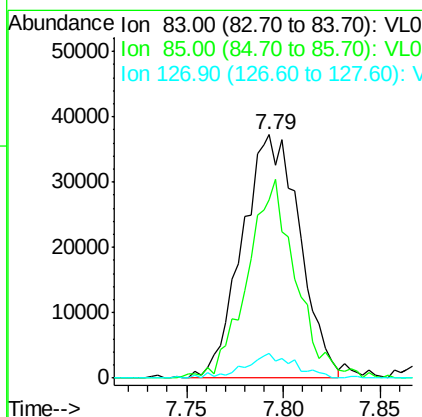
RT: 7.79 min Scan# 1557

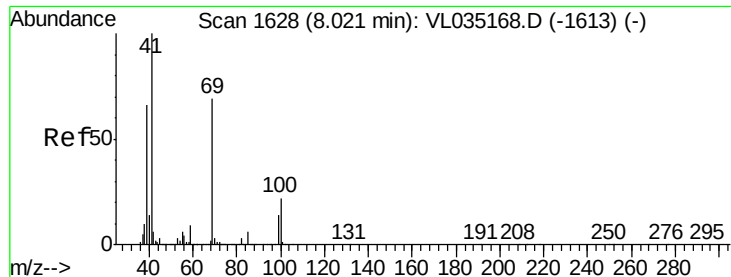
Delta R.T. -0.01 min

Lab File: VL035228.D

Acq: 23 Jul 2020 14:33

Tgt Ion	Ratio	Lower	Upper
83	100		
85	73.3	52.2	78.4
127	10.4	6.3	9.5#





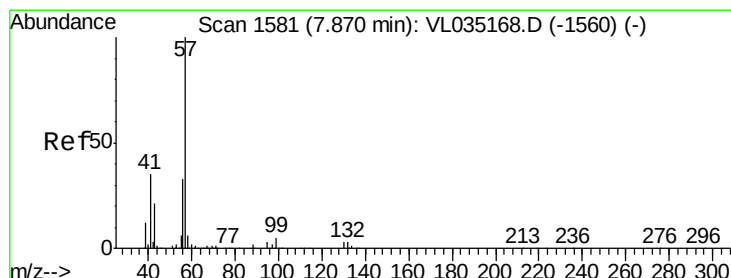
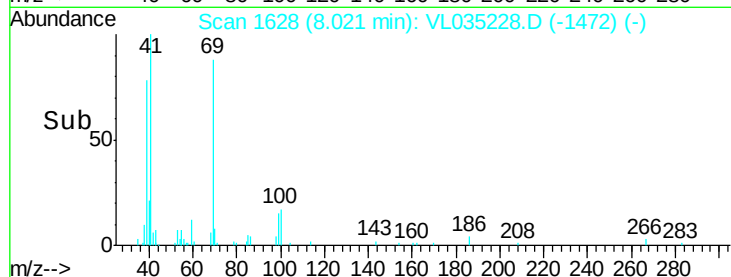
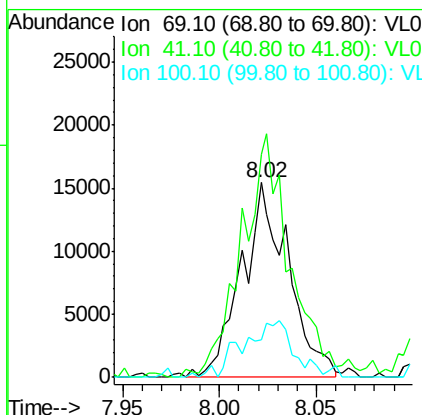
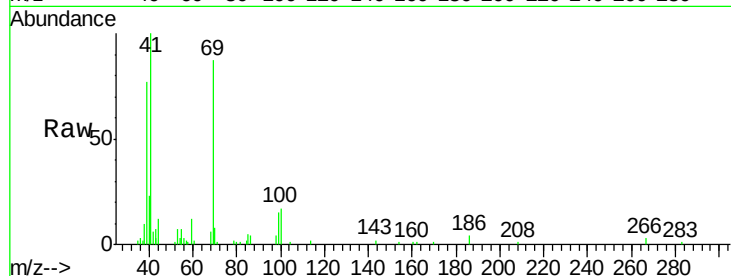
#43
Methyl Methacrylate
Concen: 0.290 ppbv m
RT: 8.02 min Scan# 1628
Delta R.T. 0.00 min
Lab File: VL035228.D
Acq: 23 Jul 2020 14:33

Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT3-2020

Tgt Ion	Ratio	Lower	Upper
69	100		
41	0.0	116.3	174.5#
100	0.0	25.6	38.4#

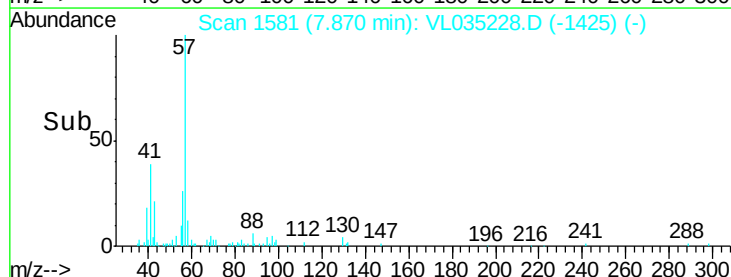
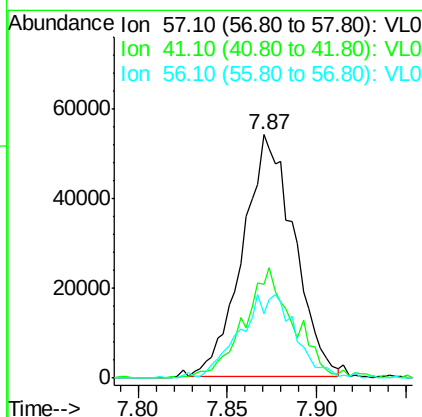
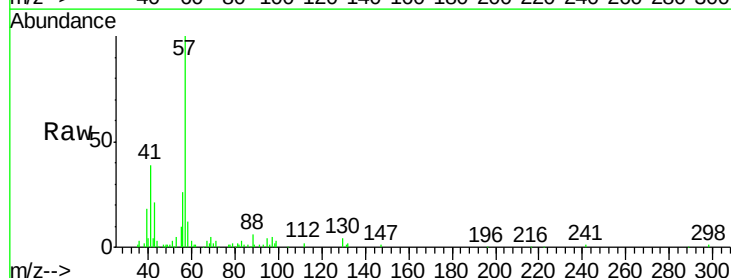
Manual Integrations
APPROVED

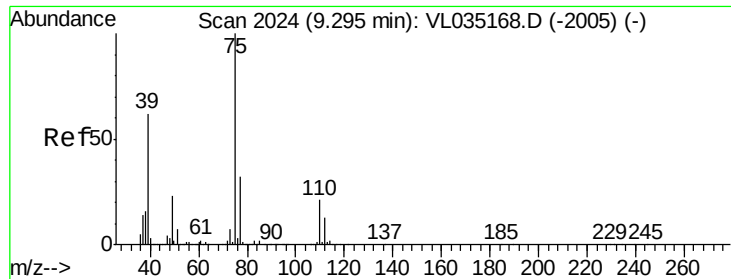
MMDadoda
7/27/2020 12:29:49 PM



#44
2,2,4-Trimethylpentane
Concen: 0.297 ppbv
RT: 7.87 min Scan# 1581
Delta R.T. 0.00 min
Lab File: VL035228.D
Acq: 23 Jul 2020 14:33

Tgt Ion	Ratio	Lower	Upper
57	100		
41	44.4	27.0	40.6#
56	38.1	25.5	38.3





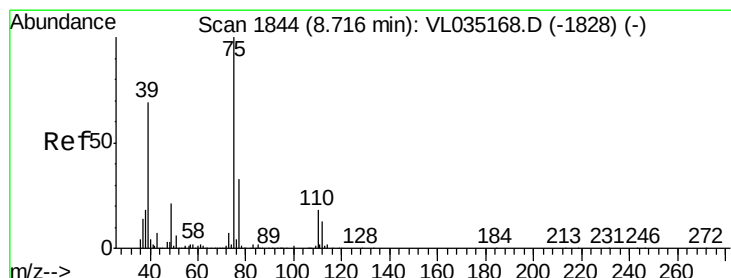
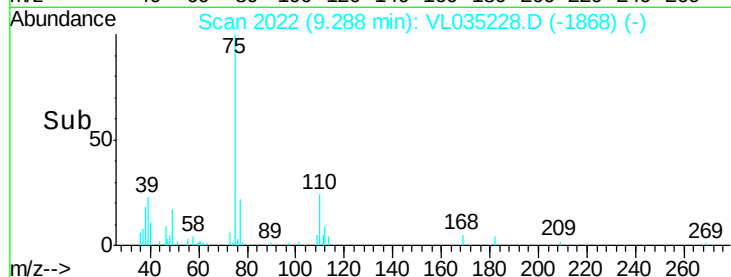
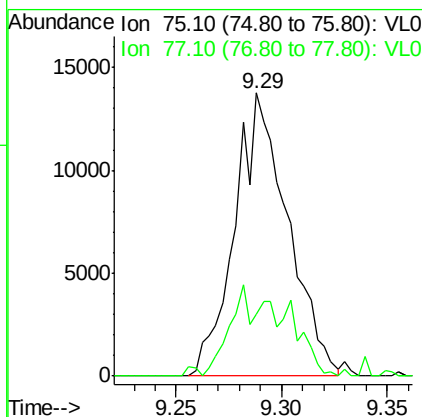
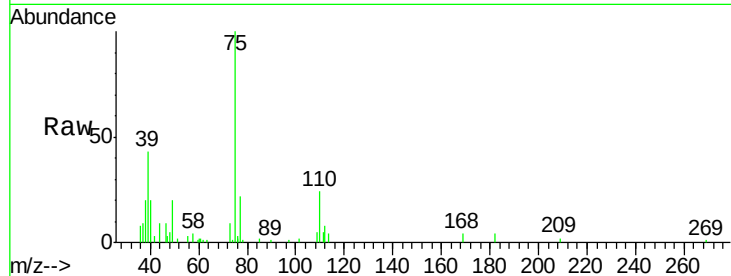
#45
t-1,3-Dichloropropene
Concen: 0.255 ppbv
RT: 9.29 min Scan# 2022
Delta R.T. -0.01 min
Lab File: VL035228.D
Acq: 23 Jul 2020 14:33

Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT3-2020

Tgt Ion: 75 Resp: 24031
Ion Ratio Lower Upper
75 100
77 21.5 25.8 38.8#

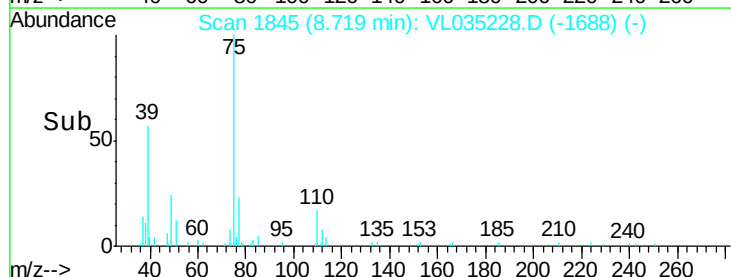
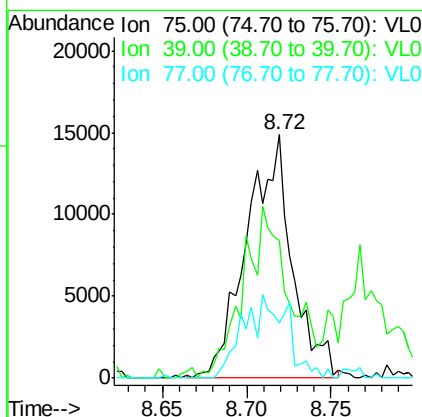
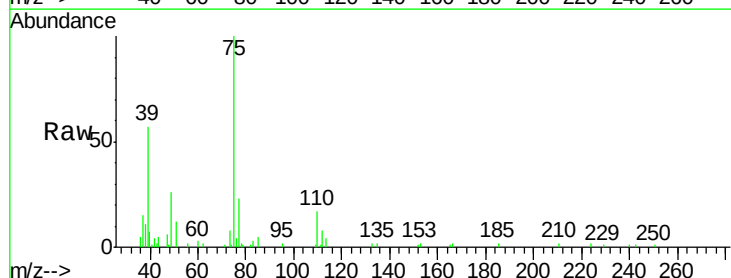
Manual Integrations
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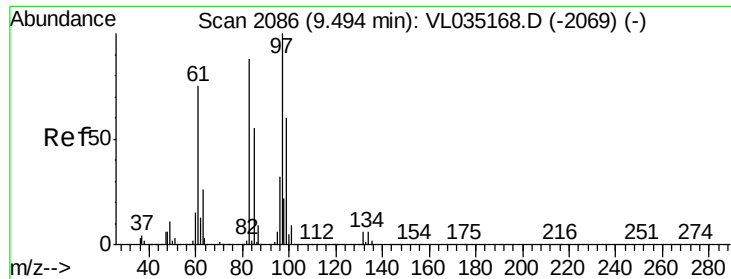
MMDadoda
7/27/2020 12:29:49 PM



#46
cis-1,3-Dichloropropene
Concen: 0.249 ppbv m
RT: 8.72 min Scan# 1845
Delta R.T. 0.00 min
Lab File: VL035228.D
Acq: 23 Jul 2020 14:33

Tgt Ion: 75 Resp: 27800
Ion Ratio Lower Upper
75 100
39 56.6 55.2 82.8
77 22.8 26.0 39.0#





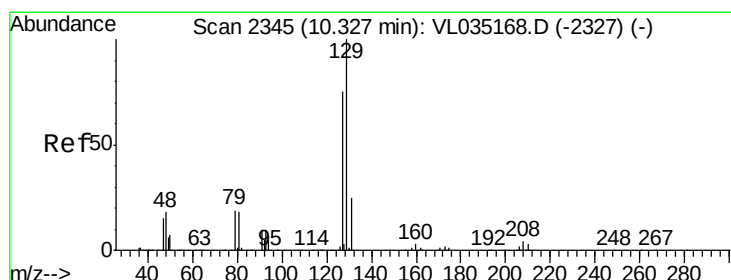
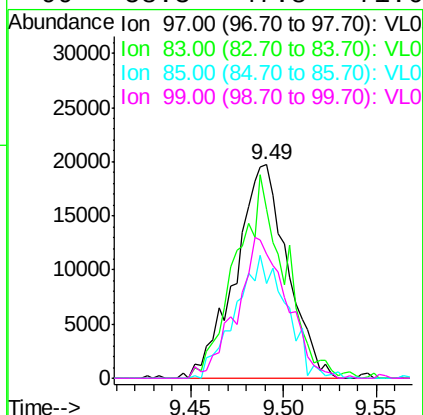
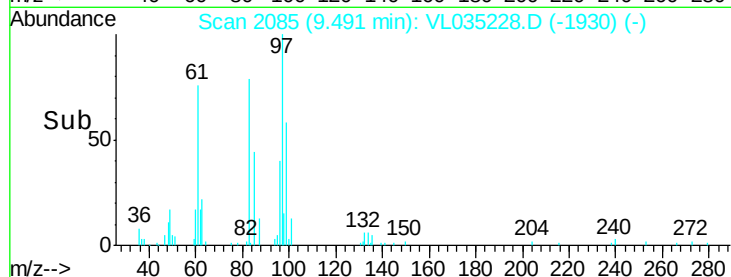
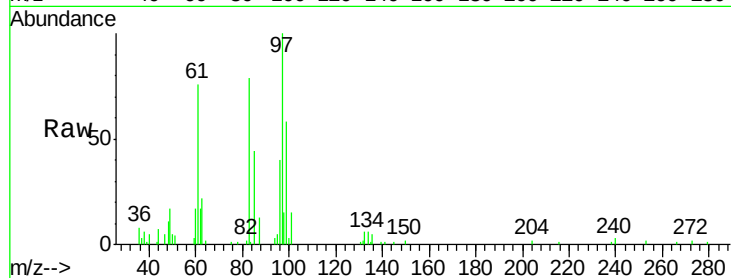
#47
 1,1,2-Trichloroethane
 Concen: 0.415 ppbv
 RT: 9.49 min Scan# 2085
 Delta R.T. -0.00 min
 Lab File: VL035228.D
 Acq: 23 Jul 2020 14:33

Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT3-2020

Tgt Ion	Ratio	Lower	Upper
97	100		
83	80.7	70.3	105.5
85	44.3	44.3	66.5
99	58.3	47.8	71.6

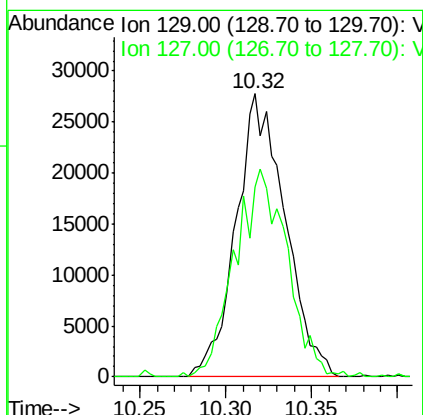
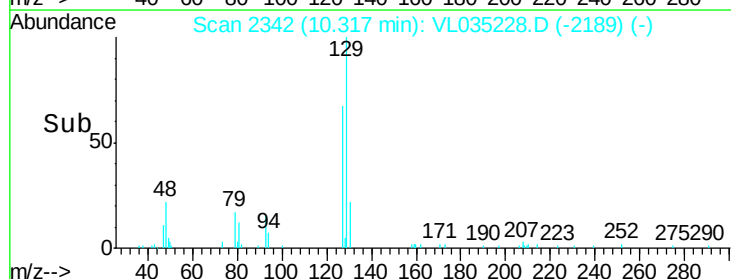
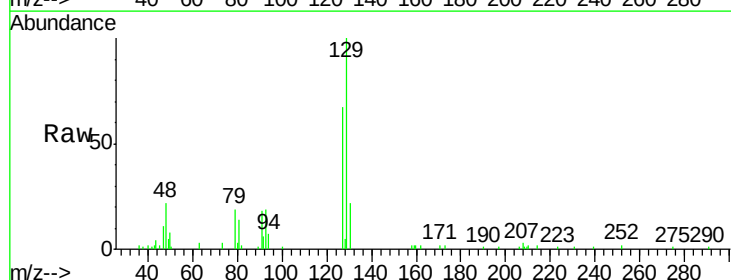
Manual Integrations
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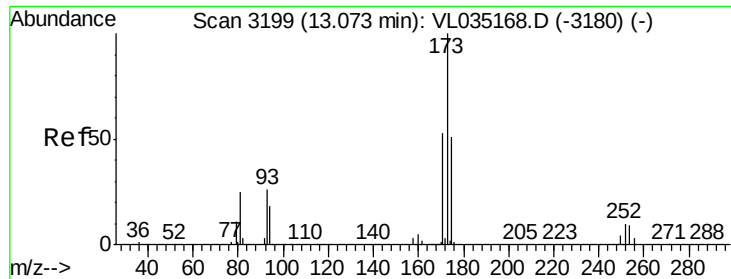
MMDadoda
 7/27/2020 12:29:49 PM



#48
 Dibromochloromethane
 Concen: 0.367 ppbv
 RT: 10.32 min Scan# 2342
 Delta R.T. -0.01 min
 Lab File: VL035228.D
 Acq: 23 Jul 2020 14:33

Tgt Ion	Ratio	Lower	Upper
129	100		
127	77.9	38.8	116.3





#49

Bromoform

Concen: 0.359 ppbv m

RT: 13.07 min Scan# 3197

Delta R.T. -0.01 min

Lab File: VL035228.D

Acq: 23 Jul 2020 14:33

Instrument :

MSVOA_L

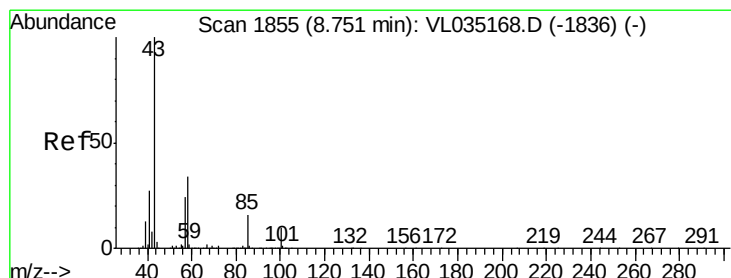
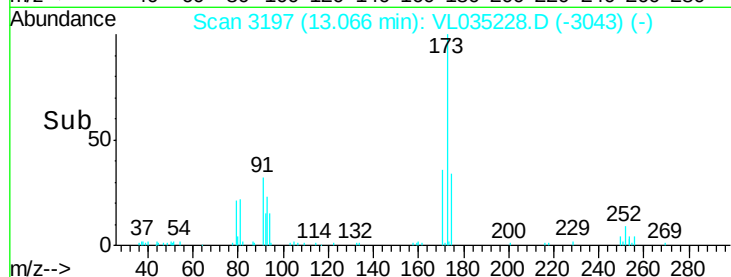
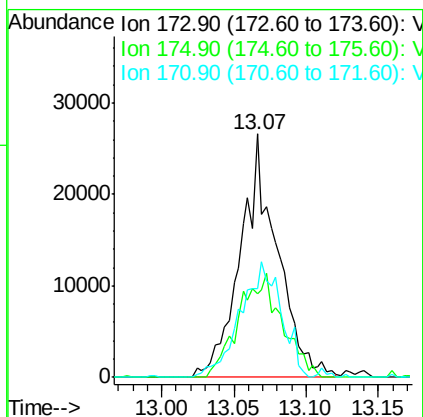
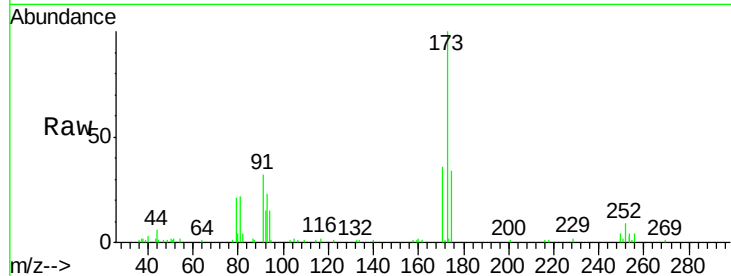
ClientSampleId :

LOD-MDL-AIR-01-QT3-2020

Tgt Ion:	173	Resp:	47153
Ion Ratio	Lower	Upper	
173	100		
175	0.0	39.7	59.5#
171	0.0	41.6	62.4#

Manual Integrations
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#50

4-Methyl-2-Pentanone

Concen: 0.287 ppbv m

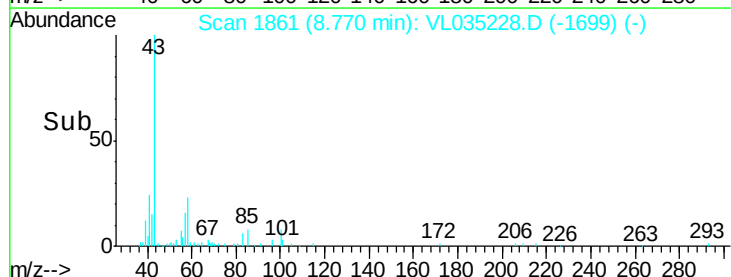
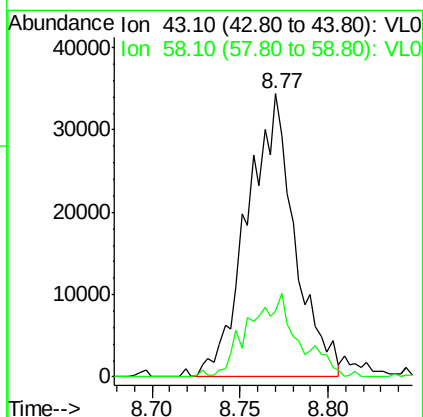
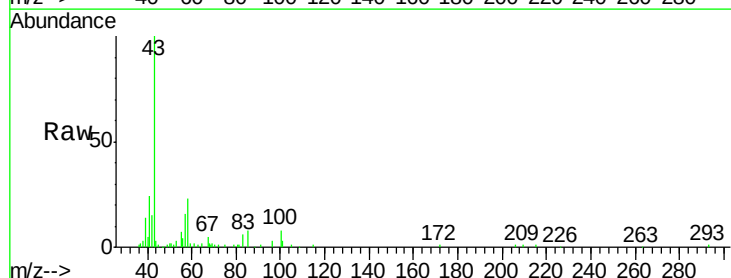
RT: 8.77 min Scan# 1861

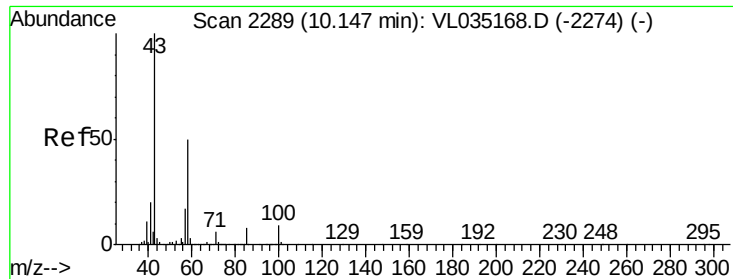
Delta R.T. 0.02 min

Lab File: VL035228.D

Acq: 23 Jul 2020 14:33

Tgt Ion:	43	Resp:	64342
Ion Ratio	Lower	Upper	
43	100		
58	0.0	29.4	44.2#





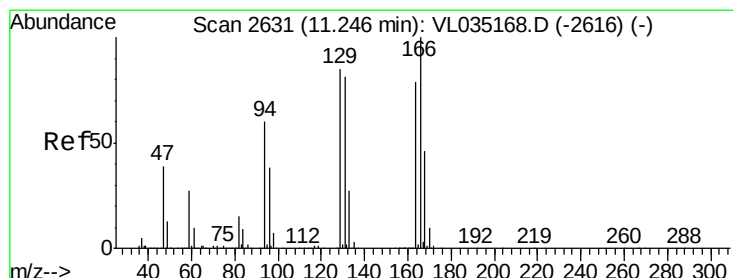
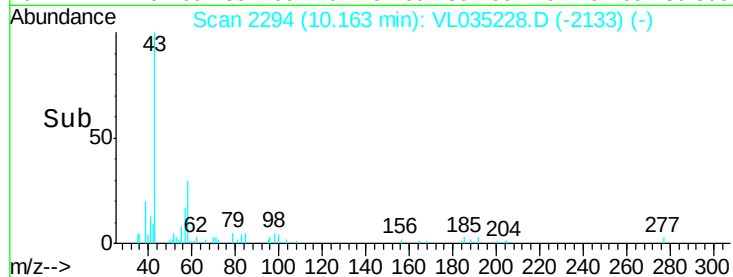
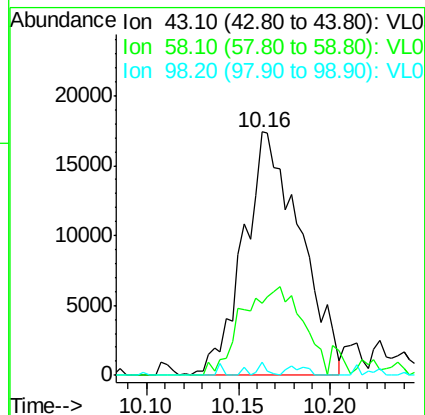
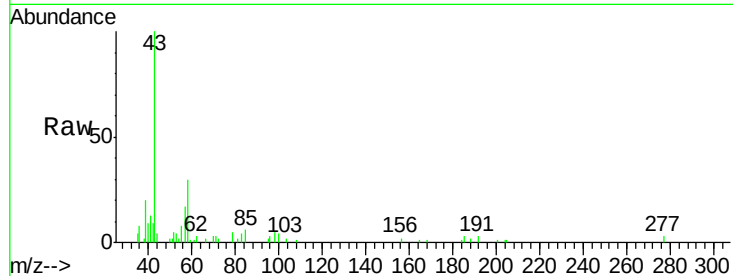
#51
2-Hexanone
Concen: 0.218 ppbv m
RT: 10.16 min Scan# 2294
Delta R.T. 0.02 min
Lab File: VL035228.D
Acq: 23 Jul 2020 14:33

Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT3-2020

Tgt Ion	Ratio	Lower	Upper
43	100		
58	0.0	39.4	59.0#
98	1.6	0.3	0.5#

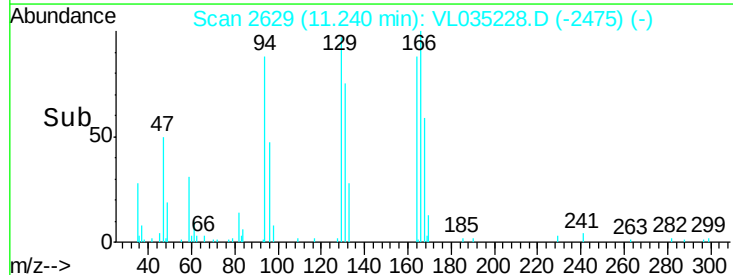
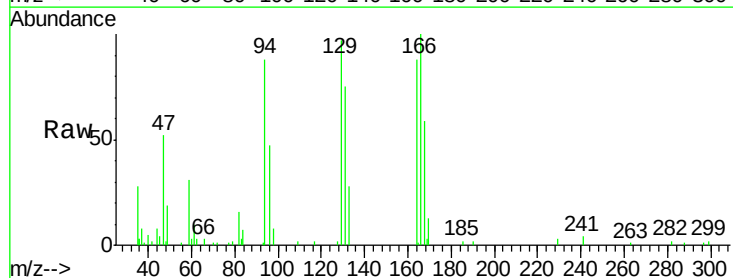
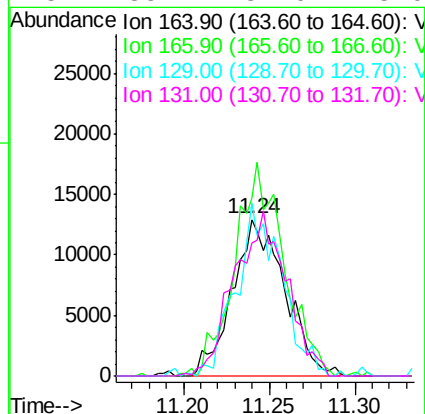
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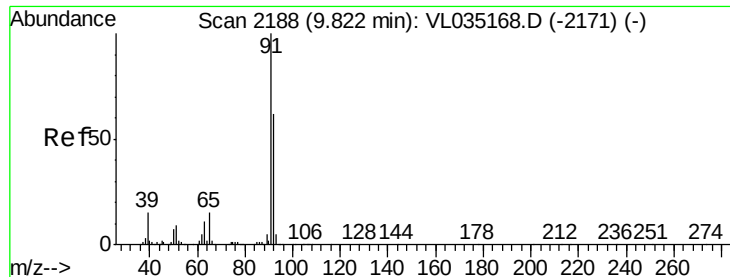
MMDadoda
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#52
Tetrachloroethene
Concen: 0.347 ppbv m
RT: 11.24 min Scan# 2629
Delta R.T. -0.01 min
Lab File: VL035228.D
Acq: 23 Jul 2020 14:33

Tgt Ion	Ratio	Lower	Upper
164	100		
166	114.0	100.7	151.1
129	110.7	85.8	128.6
131	85.4	82.0	123.0





#53

Toluene

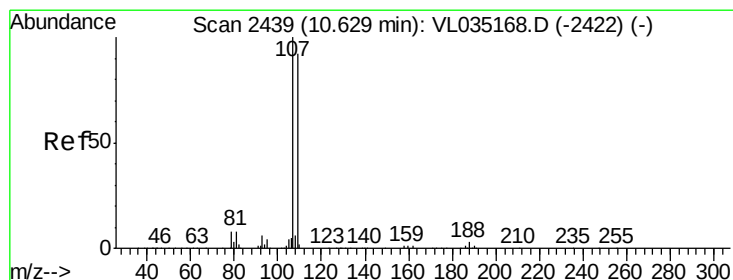
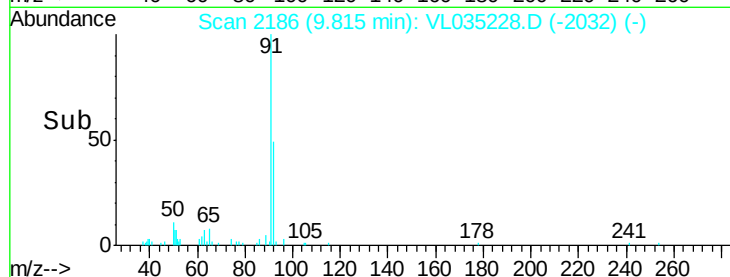
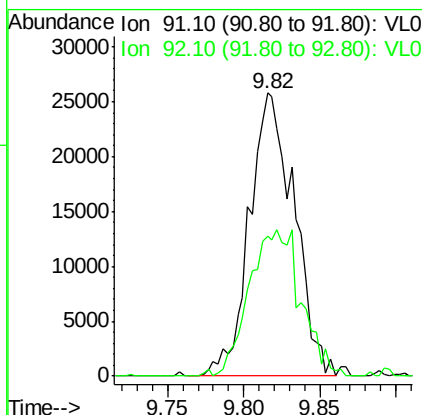
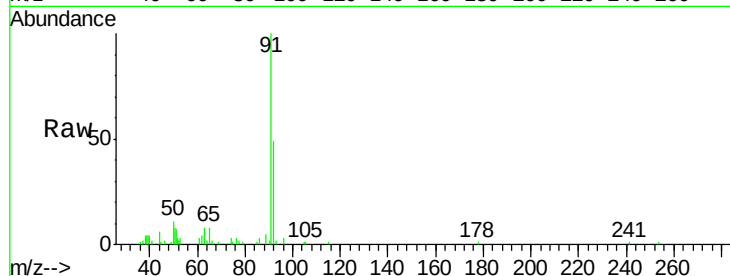
Concen: 0.235 ppbv m
RT: 9.82 min Scan# 2186
Delta R.T. -0.01 min
Lab File: VL035228.D
Acq: 23 Jul 2020 14:33

Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT3-2020

Tgt Ion: 91 Resp: 52673
Ion Ratio Lower Upper
91 100
92 0.0 48.4 72.6#

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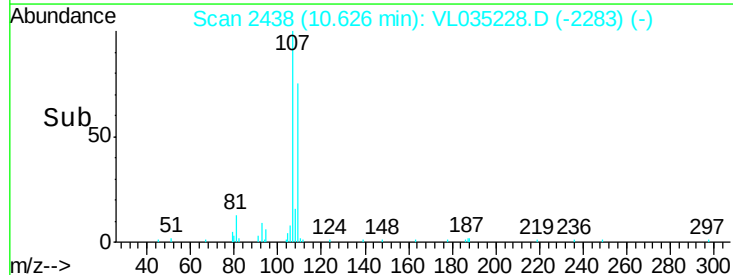
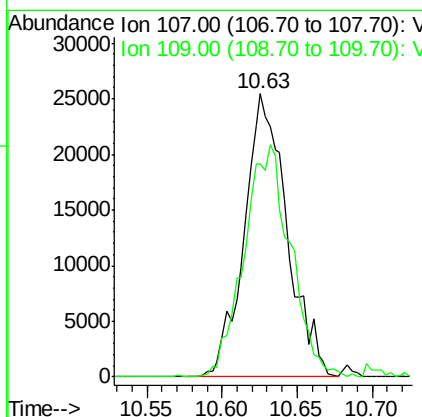
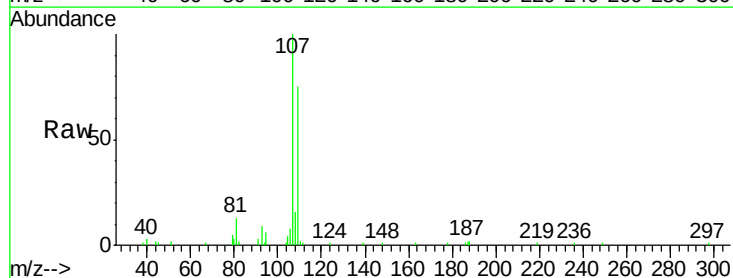


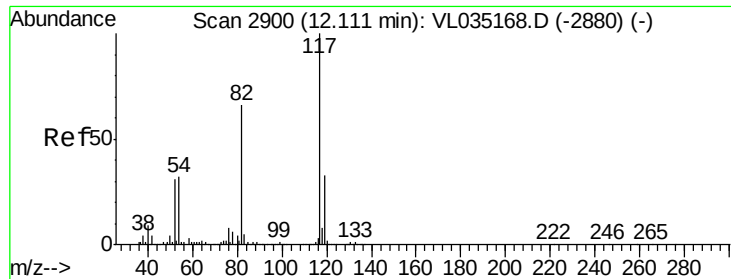
#54

1,2-Dibromoethane

Concen: 0.369 ppbv m
RT: 10.63 min Scan# 2438
Delta R.T. -0.00 min
Lab File: VL035228.D
Acq: 23 Jul 2020 14:33

Tgt Ion: 107 Resp: 50520
Ion Ratio Lower Upper
107 100
109 75.2 74.0 111.0





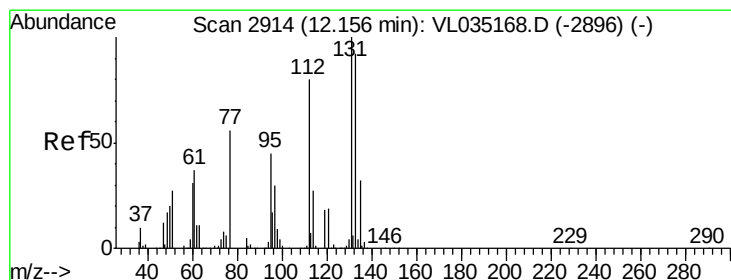
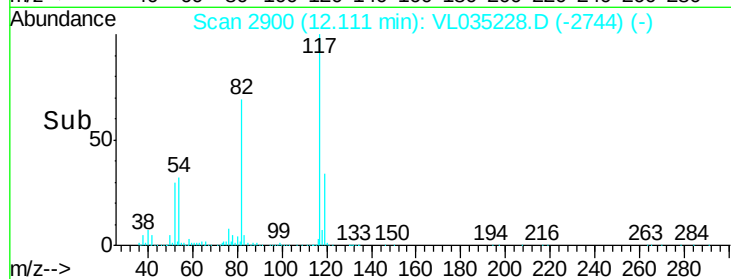
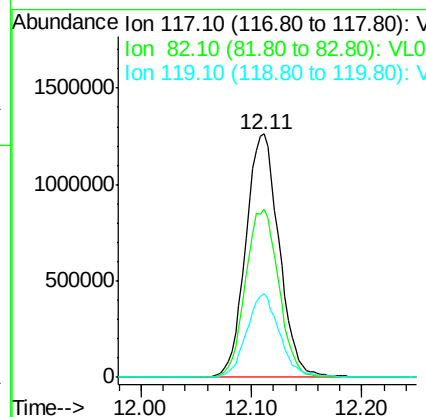
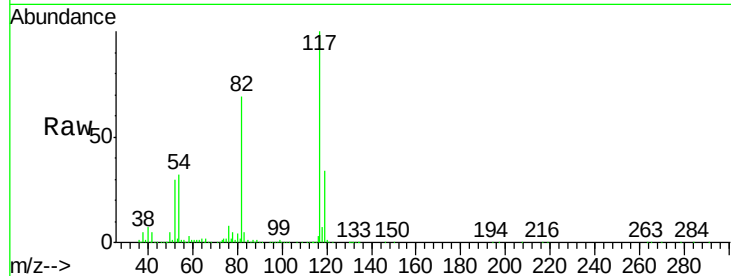
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.11 min Scan# 2900
Delta R.T. 0.00 min
Lab File: VL035228.D
Acq: 23 Jul 2020 14:33

Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT3-2020

Tgt Ion:117 Resp: 2649837
Ion Ratio Lower Upper
117 100
82 68.8 52.3 78.5
119 34.2 24.9 37.3

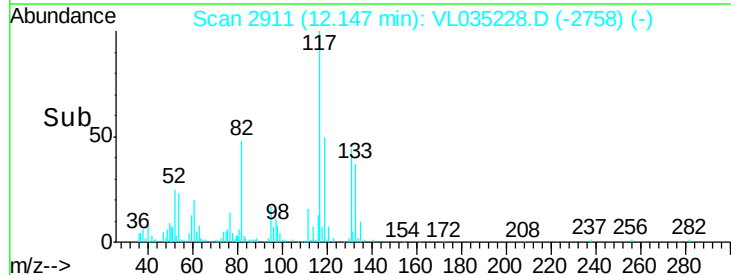
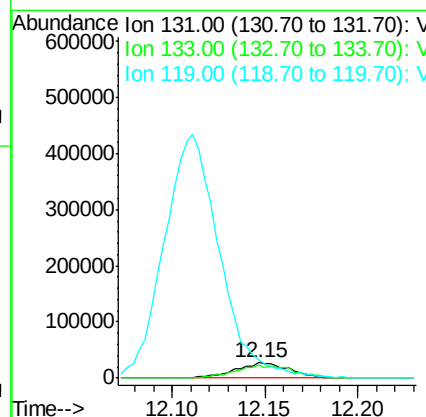
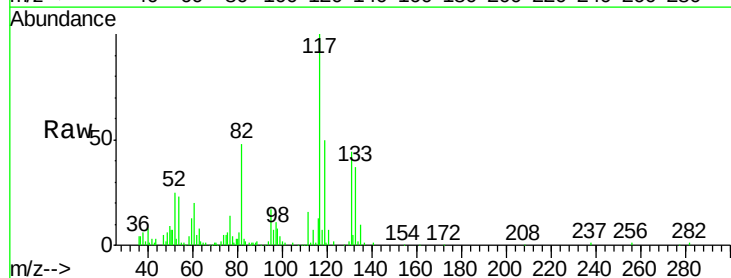
Manual Integrations
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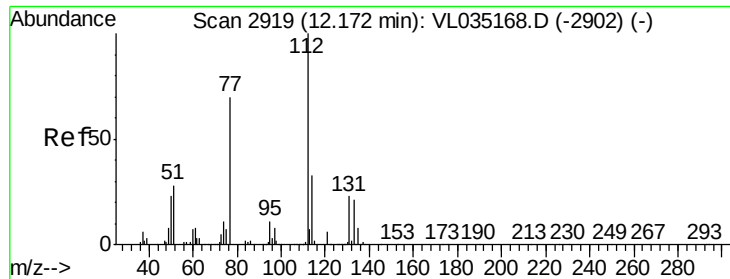
MMDadoda
7/27/2020 12:29:49 PM



#56
1,1,1,2-Tetrachloroethane
Concen: 0.473 ppbv
RT: 12.15 min Scan# 2911
Delta R.T. -0.01 min
Lab File: VL035228.D
Acq: 23 Jul 2020 14:33

Tgt Ion:131 Resp: 55493
Ion Ratio Lower Upper
131 100
133 90.3 75.4 113.2
119 1636.6 42.4 63.6#





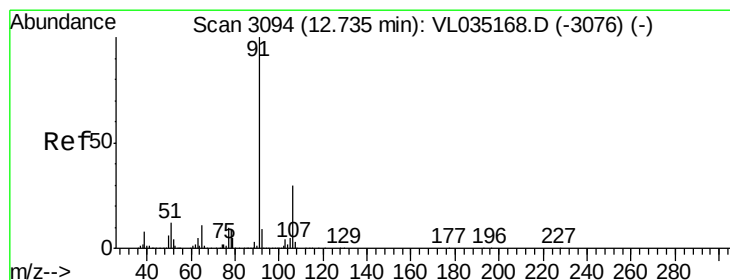
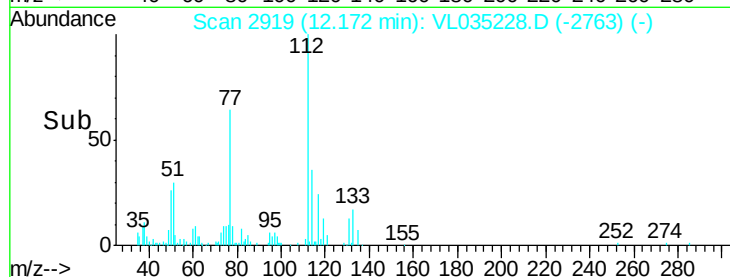
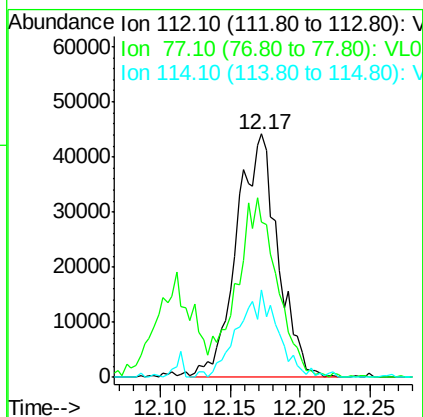
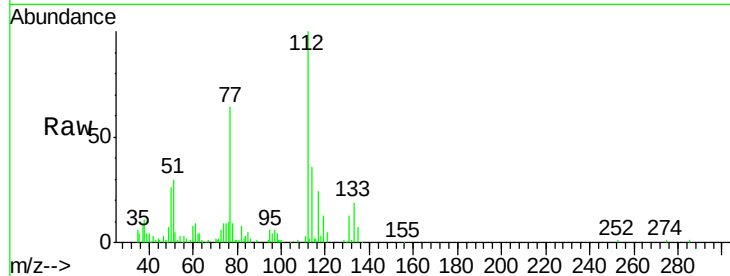
#57
Chlorobenzene
Concen: 0.465 ppbv m
RT: 12.17 min Scan# 2919
Delta R.T. 0.00 min
Lab File: VL035228.D
Acq: 23 Jul 2020 14:33

Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT3-2020

Tgt Ion	Ratio	Lower	Upper
112	100		
77	63.9	57.0	85.4
114	35.8	30.2	37.0

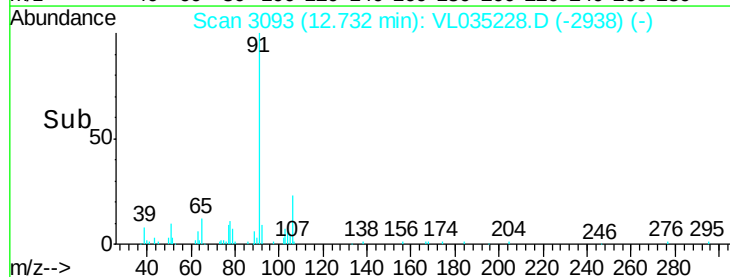
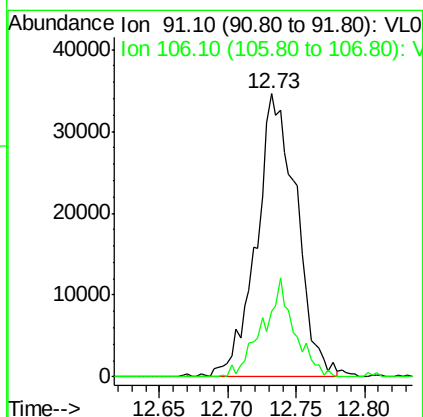
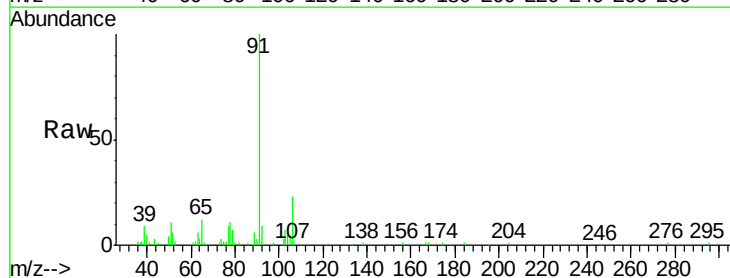
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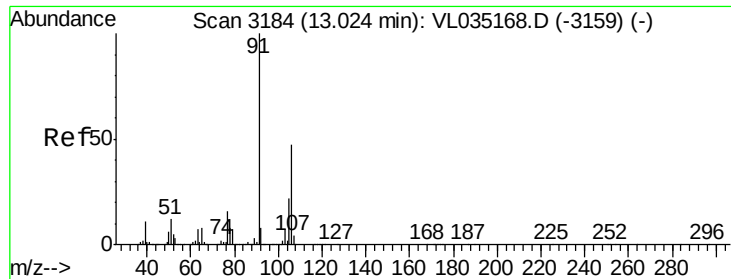
MMDadoda
7/27/2020 12:29:49 PM



#58
Ethyl Benzene
Concen: 0.240 ppbv m
RT: 12.73 min Scan# 3093
Delta R.T. -0.00 min
Lab File: VL035228.D
Acq: 23 Jul 2020 14:33

Tgt Ion	Ratio	Lower	Upper
91	100		
106	23.3	24.2	36.2#





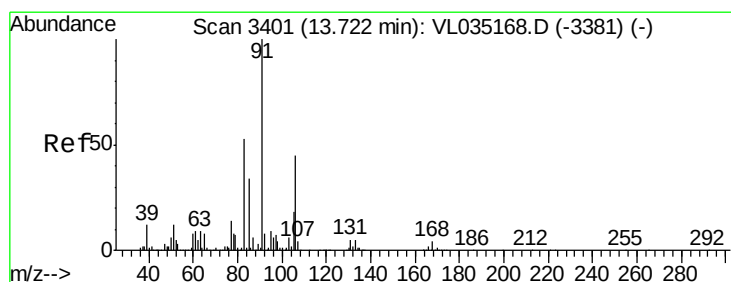
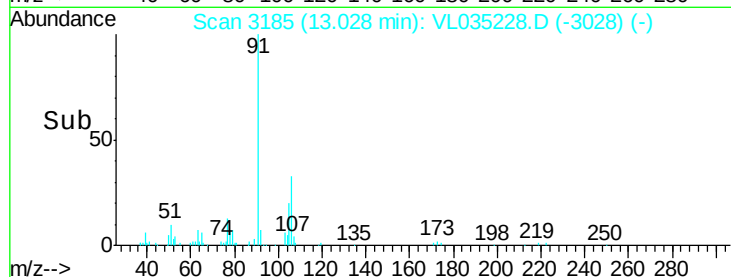
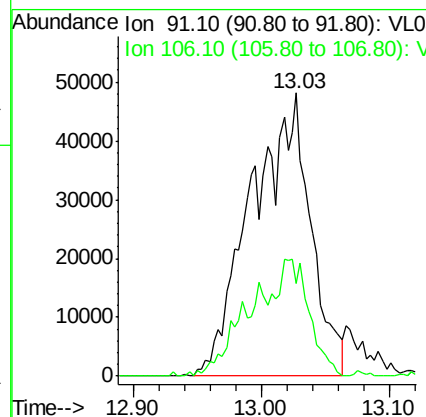
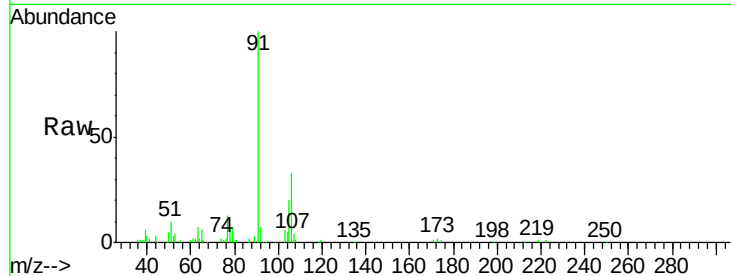
#59
m/p-Xylene
Concen: 0.591 ppbv m
RT: 13.03 min Scan# 3185
Delta R.T. 0.00 min
Lab File: VL035228.D
Acq: 23 Jul 2020 14:33

Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT3-2020

Tgt Ion: 91 Resp: 154378
Ion Ratio Lower Upper
91 100
106 40.5 36.2 54.2

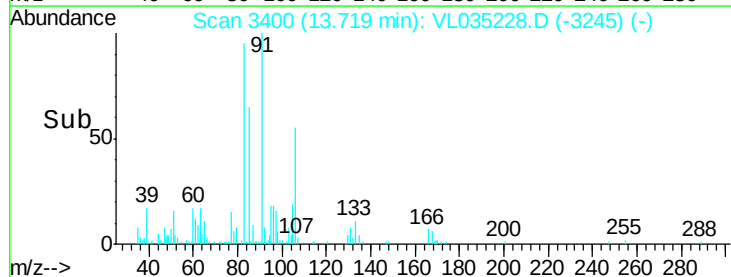
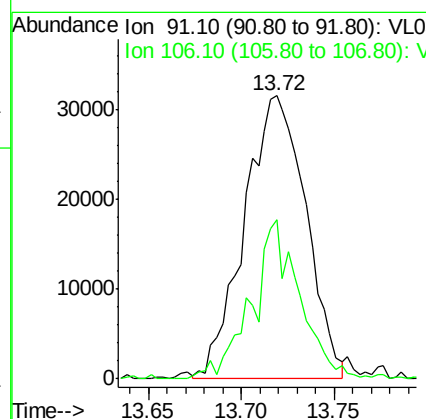
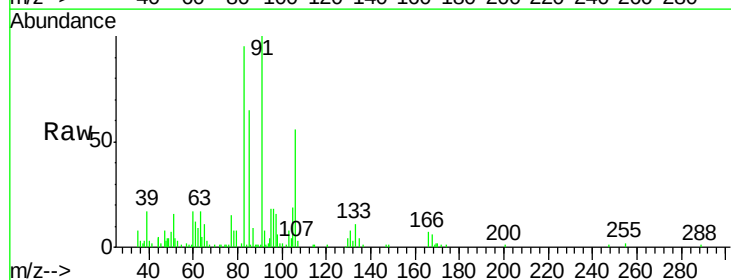
Manual Integrations
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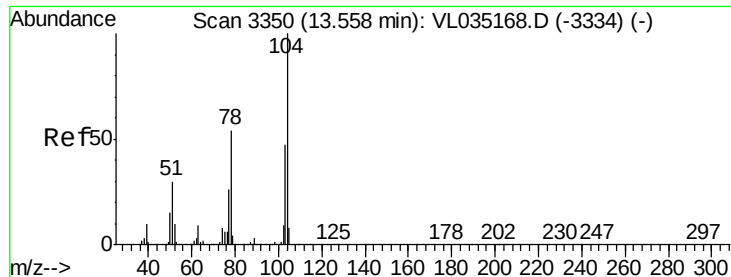
MMDadoda
7/27/2020 12:29:49 PM



#60
o-Xylene
Concen: 0.279 ppbv
RT: 13.72 min Scan# 3400
Delta R.T. -0.00 min
Lab File: VL035228.D
Acq: 23 Jul 2020 14:33

Tgt Ion: 91 Resp: 72668
Ion Ratio Lower Upper
91 100
106 44.1 22.1 66.3





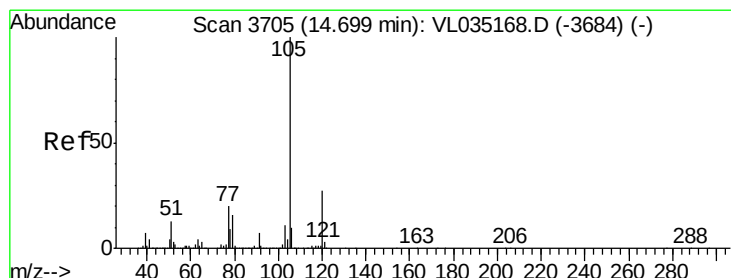
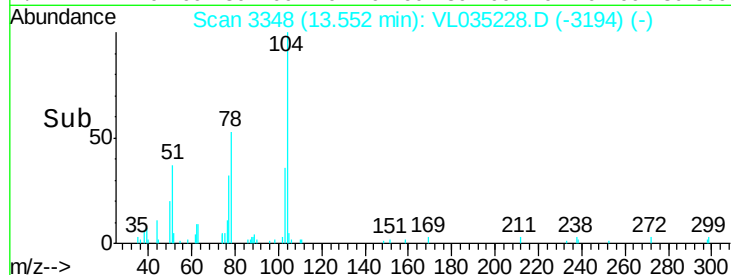
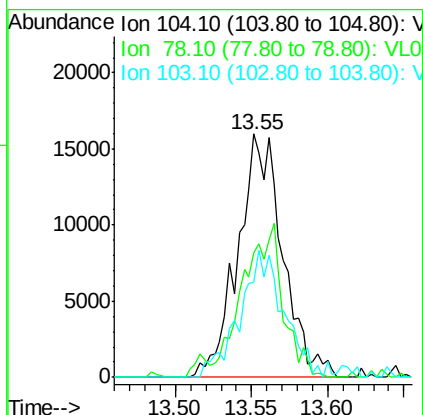
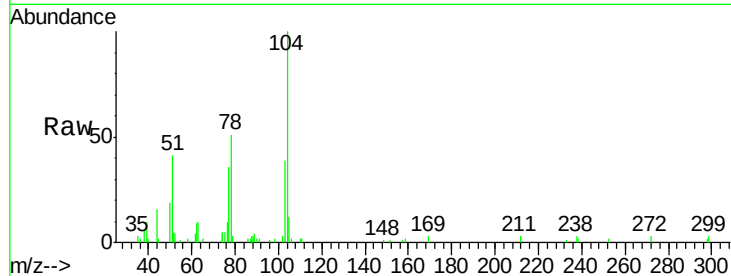
#61
Styrene
Concen: 0.202 ppbv m
RT: 13.55 min Scan# 3348
Delta R.T. -0.01 min
Lab File: VL035228.D
Acq: 23 Jul 2020 14:33

Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT3-2020

Tgt Ion	Ratio	Lower	Upper
104	100		
78	60.0	43.4	65.0
103	0.0	37.4	56.0#

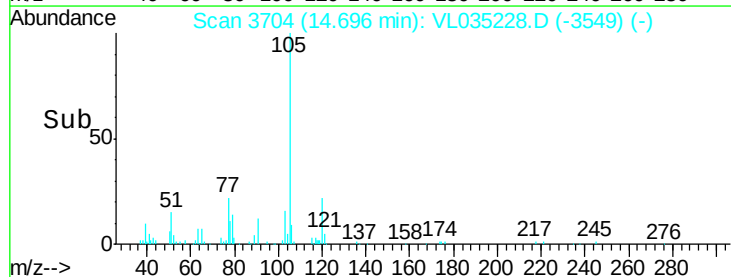
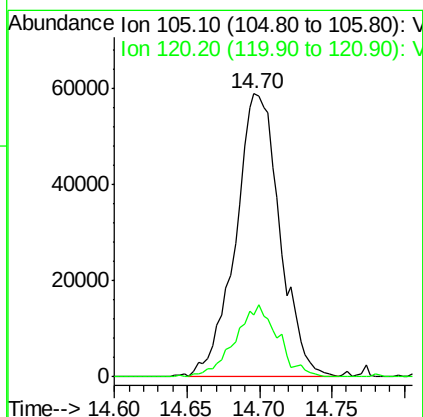
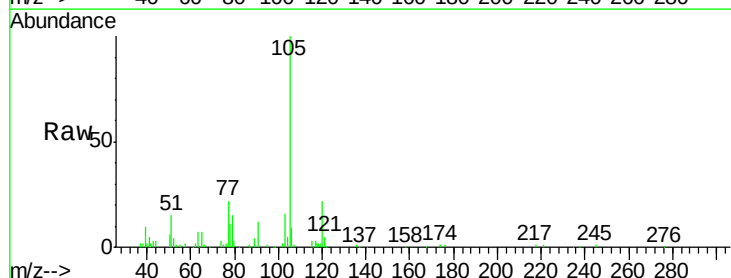
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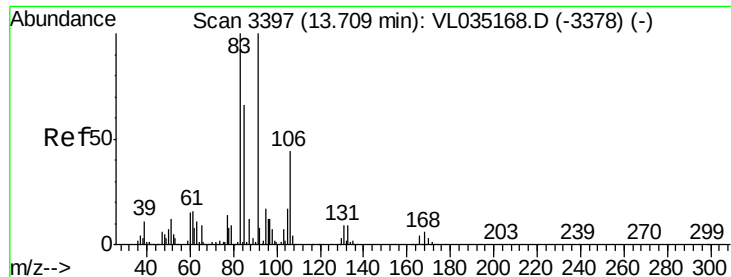
MMDadoda
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#62
Isopropylbenzene
Concen: 0.323 ppbv
RT: 14.70 min Scan# 3704
Delta R.T. -0.00 min
Lab File: VL035228.D
Acq: 23 Jul 2020 14:33

Tgt Ion	Ratio	Lower	Upper
105	100		
120	24.6	20.7	31.1





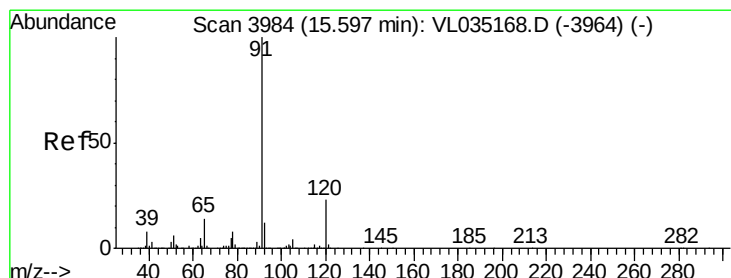
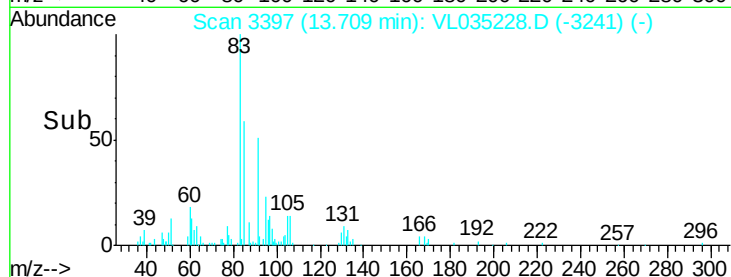
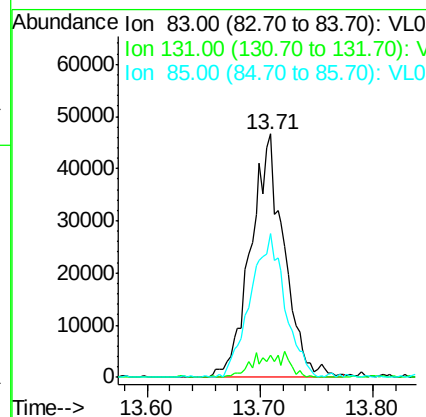
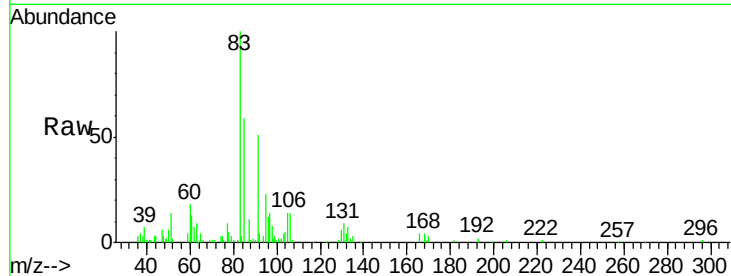
#63
 1,1,2,2-Tetrachloroethane
 Concen: 0.440 ppbv m
 RT: 13.71 min Scan# 3397
 Delta R.T. 0.00 min
 Lab File: VL035228.D
 Acq: 23 Jul 2020 14:33

Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT3-2020

Tgt Ion	Ratio	Lower	Upper
83	100		
131	0.0	4.7	14.0#
85	62.0	33.0	99.0

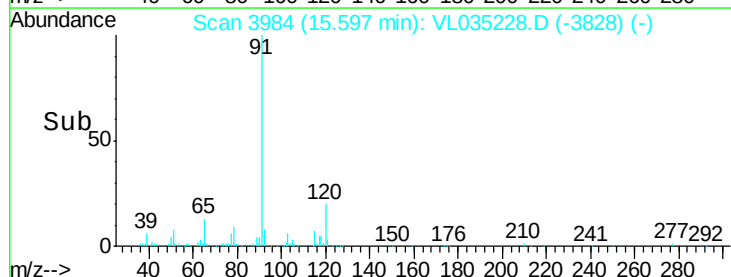
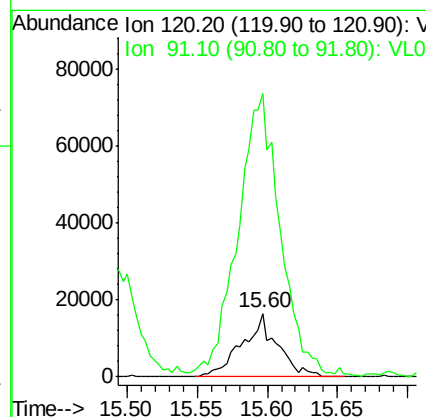
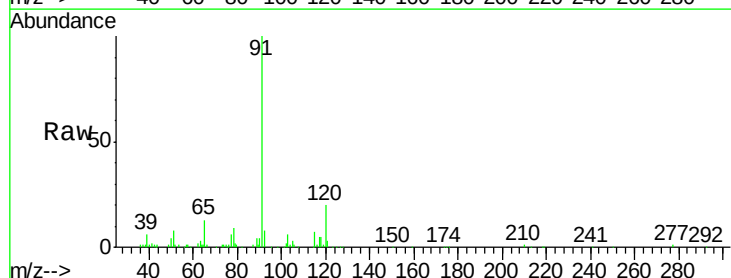
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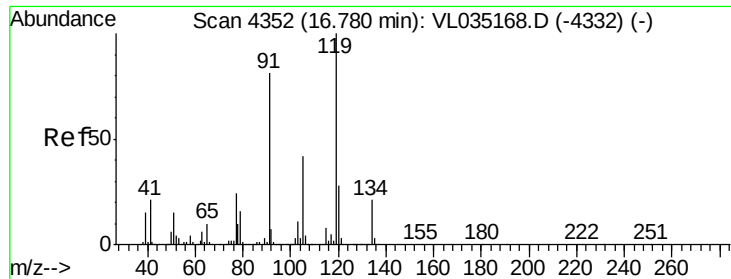
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#64
 n-propylbenzene
 Concen: 0.287 ppbv m
 RT: 15.60 min Scan# 3984
 Delta R.T. 0.00 min
 Lab File: VL035228.D
 Acq: 23 Jul 2020 14:33

Tgt Ion	Ratio	Lower	Upper
120	100		
91	551.5	372.4	558.6





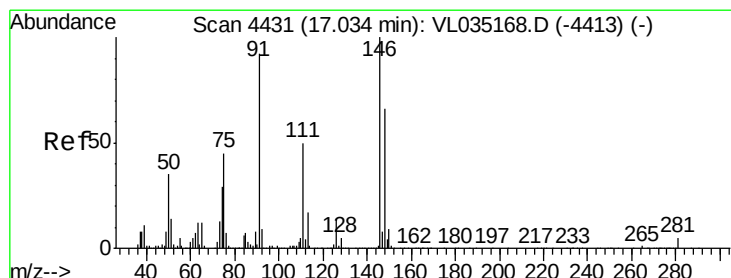
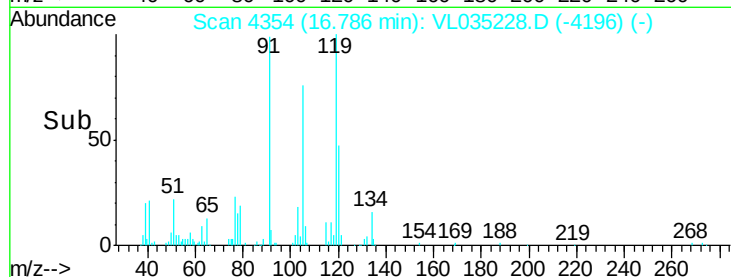
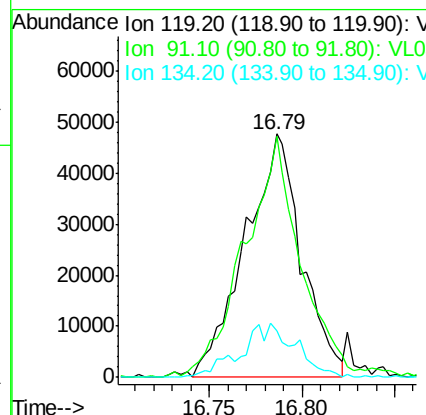
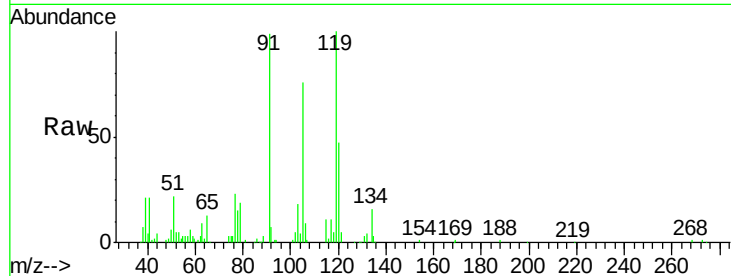
#65
 tert-Butylbenzene
 Concen: 0.290 ppbv
 RT: 16.79 min Scan# 4354
 Delta R.T. 0.01 min
 Lab File: VL035228.D
 Acq: 23 Jul 2020 14:33

Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT3-2020

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	100469		
91	100.8	67.5	101.3	
134	21.5	16.0	24.0	

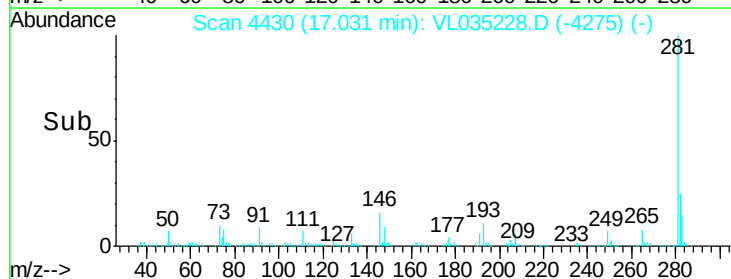
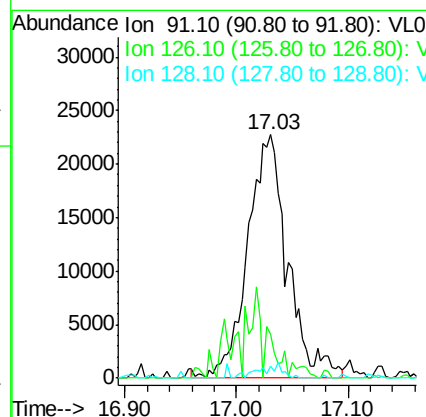
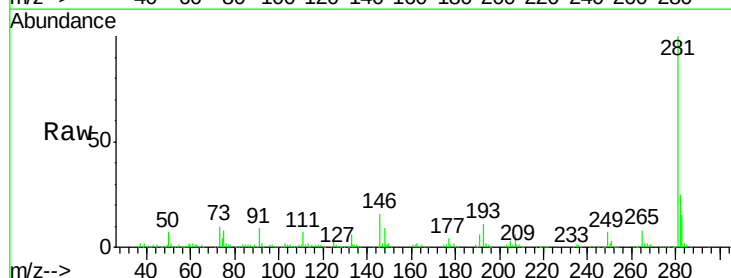
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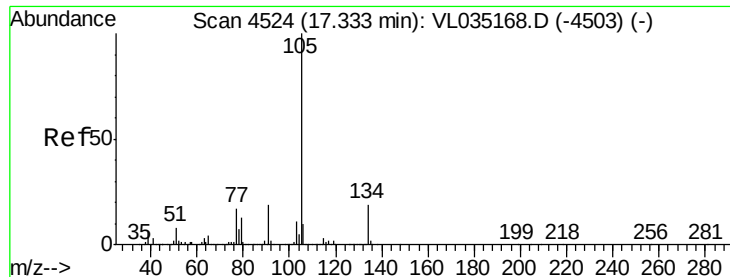
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#66
 Benzyl Chloride
 Concen: 0.452 ppbv m
 RT: 17.03 min Scan# 4430
 Delta R.T. -0.00 min
 Lab File: VL035228.D
 Acq: 23 Jul 2020 14:33

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	55783		
126	8.5	13.9	20.9#	
128	3.8	4.2	6.4#	





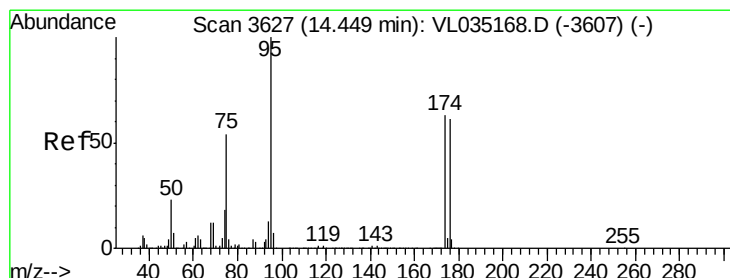
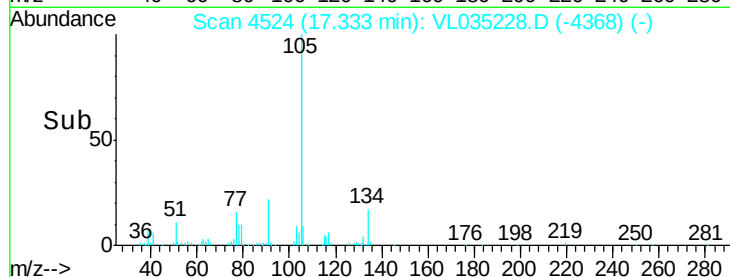
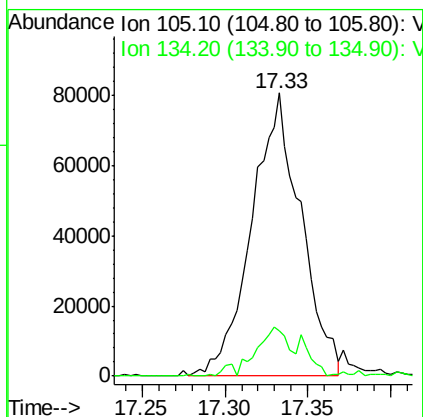
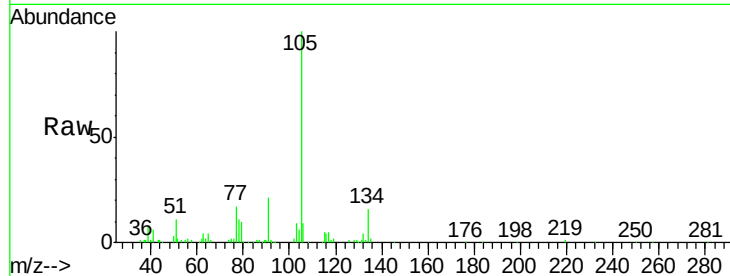
#67
 sec-Butylbenzene
 Concen: 0.326 ppbv
 RT: 17.33 min Scan# 4524
 Delta R.T. 0.00 min
 Lab File: VL035228.D
 Acq: 23 Jul 2020 14:33

Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT3-2020

Tgt Ion: 105 Resp: 165023
 Ion Ratio Lower Upper
 105 100
 134 16.1 14.6 21.8

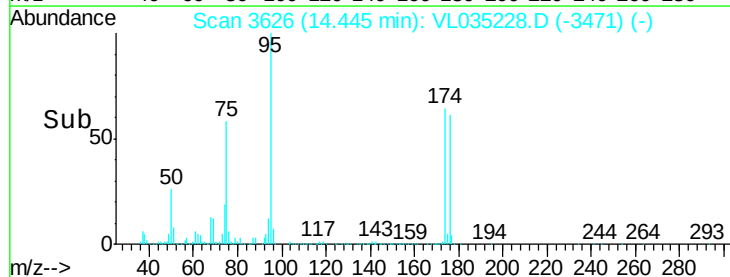
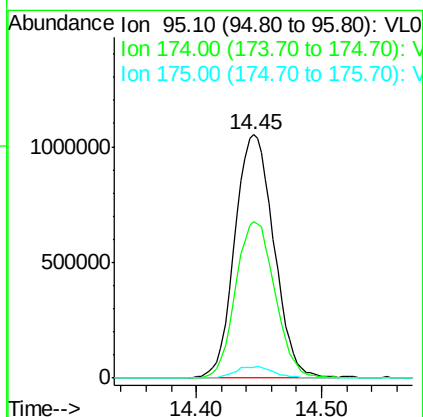
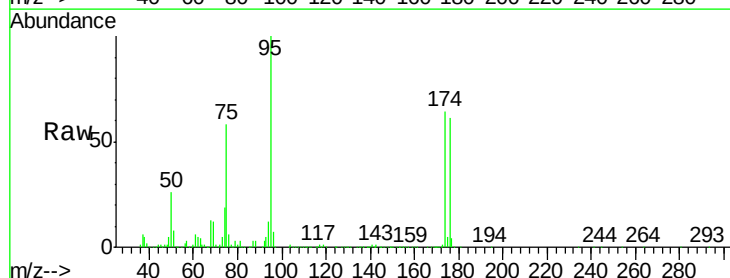
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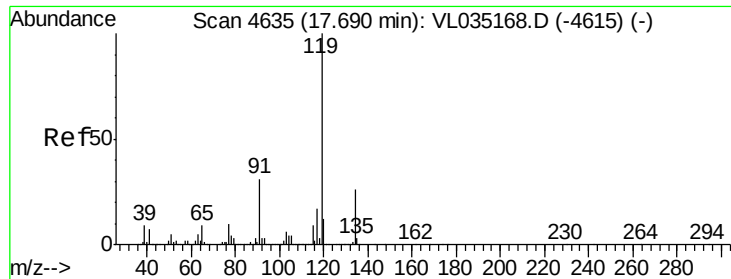
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#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.569 ppbv
 RT: 14.45 min Scan# 3626
 Delta R.T. -0.00 min
 Lab File: VL035228.D
 Acq: 23 Jul 2020 14:33

Tgt Ion: 95 Resp: 2275082
 Ion Ratio Lower Upper
 95 100
 174 64.8 52.2 78.2
 175 4.8 4.0 6.0





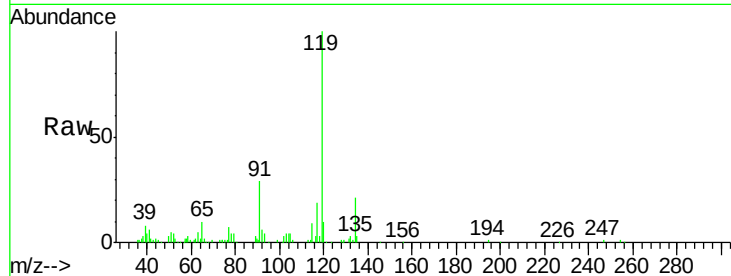
#69
p-Isopropyltoluene
Concen: 0.293 ppbv
RT: 17.69 min Scan# 4636
Delta R.T. 0.00 min
Lab File: VL035228.D
Acq: 23 Jul 2020 14:33

Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT3-2020

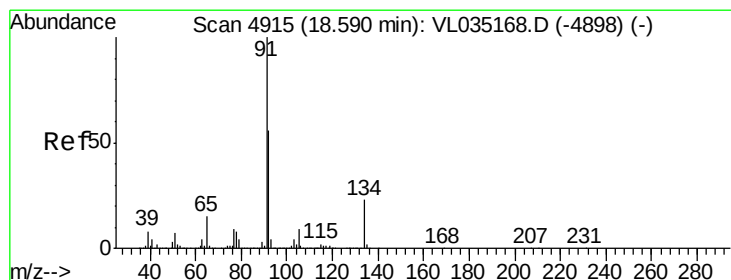
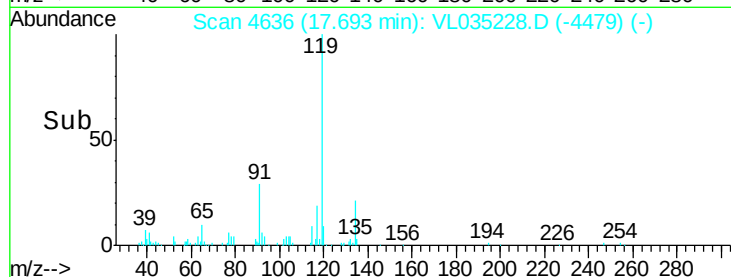
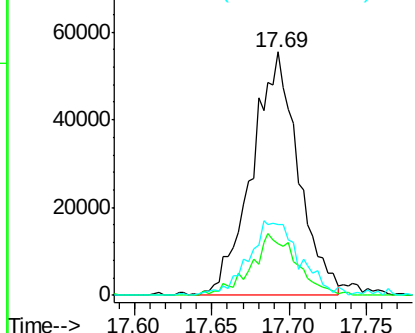
Tgt Ion	Ratio	Resp	Lower	Upper
119	100	116012		
134	25.0	20.8	31.2	
91	33.7	24.9	37.3	

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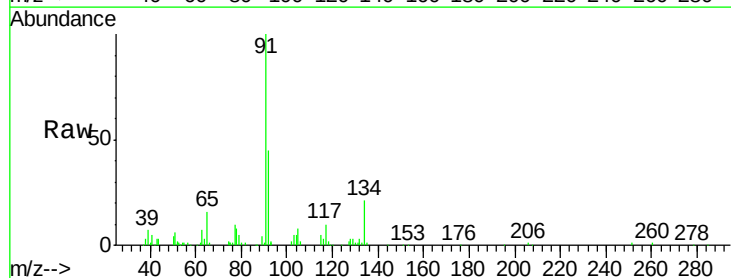


Abundance Ion 119.10 (118.80 to 119.80): V
Ion 134.20 (133.90 to 134.90): V
Ion 91.10 (90.80 to 91.80): V

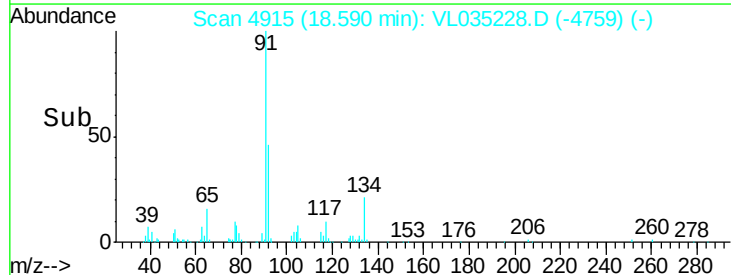
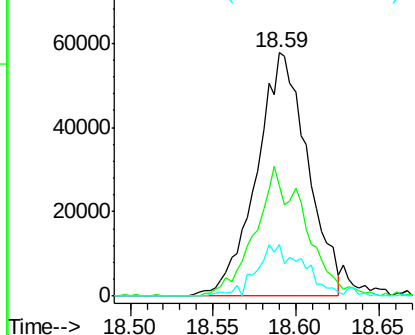


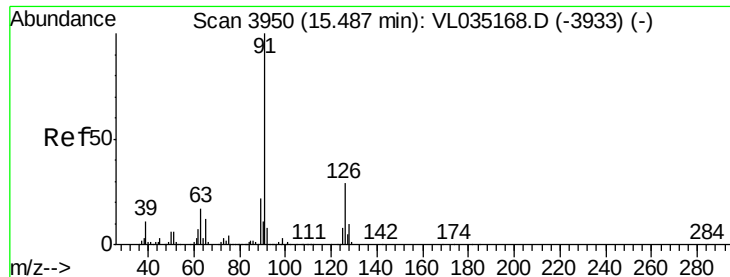
#70
n-Butylbenzene
Concen: 0.294 ppbv
RT: 18.59 min Scan# 4915
Delta R.T. 0.00 min
Lab File: VL035228.D
Acq: 23 Jul 2020 14:33

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	123457		
92	52.6	44.0	66.0	
134	20.4	18.0	27.0	



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





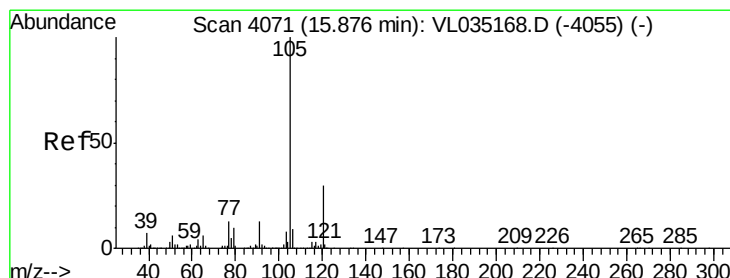
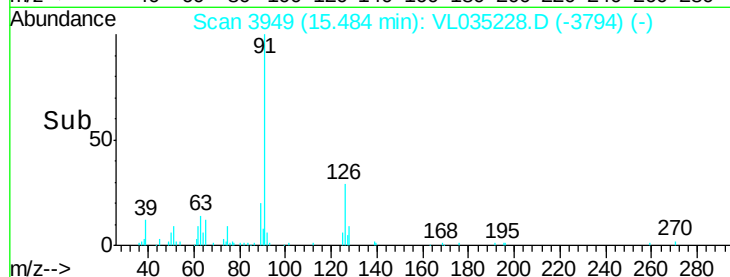
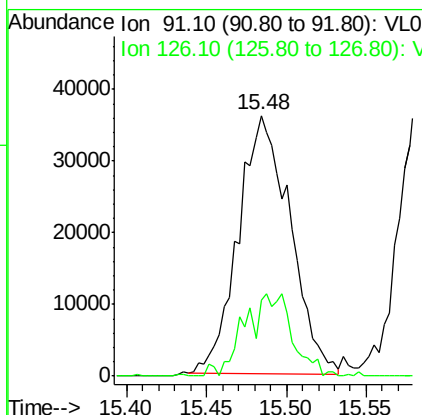
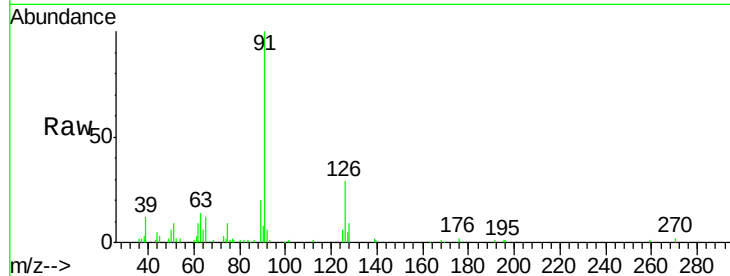
#71
2-Chlorotoluene
Concen: 0.273 ppbv
RT: 15.48 min Scan# 3949
Delta R.T. -0.00 min
Lab File: VL035228.D
Acq: 23 Jul 2020 14:33

Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT3-2020

Tgt Ion: 91 Resp: 79682
Ion Ratio Lower Upper
91 100
126 29.9 12.0 48.0

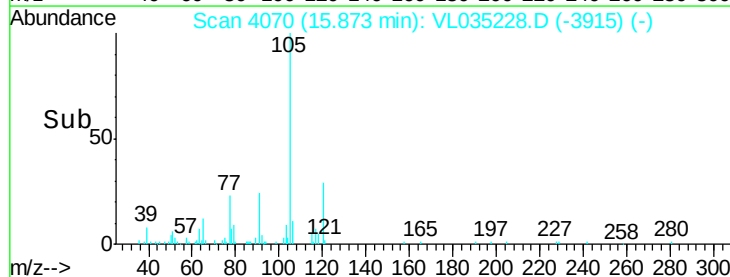
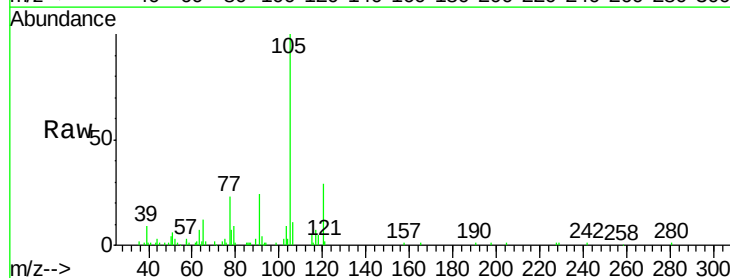
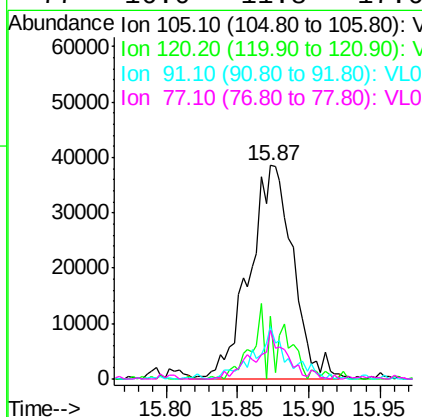
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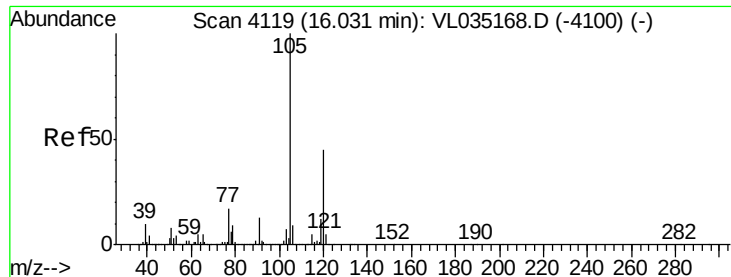
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#72
4-Ethyltoluene
Concen: 0.279 ppbv m
RT: 15.87 min Scan# 4070
Delta R.T. -0.00 min
Lab File: VL035228.D
Acq: 23 Jul 2020 14:33

Tgt Ion: 105 Resp: 81876
Ion Ratio Lower Upper
105 100
120 23.0 23.2 34.8#
91 19.1 10.9 16.3#
77 16.0 11.8 17.6





#73

1,3,5-Trimethylbenzene

Concen: 0.288 ppbv m

RT: 16.03 min Scan# 4119

Delta R.T. 0.00 min

Lab File: VL035228.D

Acq: 23 Jul 2020 14:33

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT3-2020

Tgt Ion:105 Resp: 81440

Ion Ratio Lower Upper

105 100

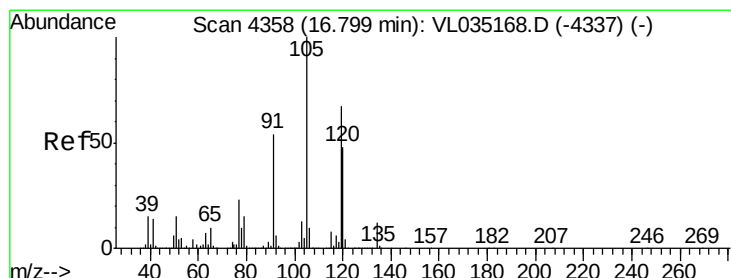
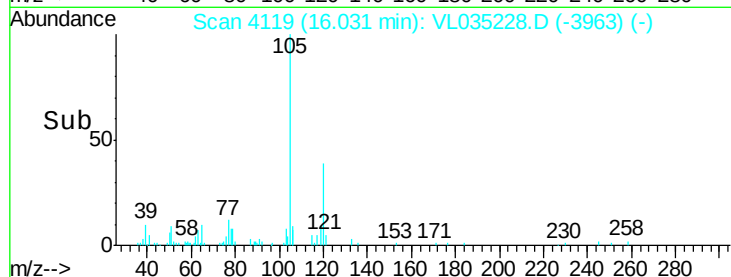
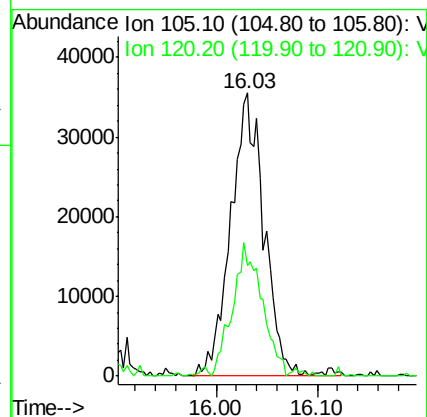
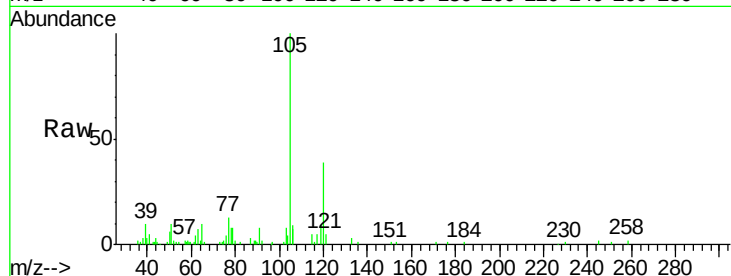
120 39.1 36.2 54.2

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#74

1,2,4-Trimethylbenzene

Concen: 0.317 ppbv

RT: 16.80 min Scan# 4357

Delta R.T. -0.00 min

Lab File: VL035228.D

Acq: 23 Jul 2020 14:33

Tgt Ion:105 Resp: 99075

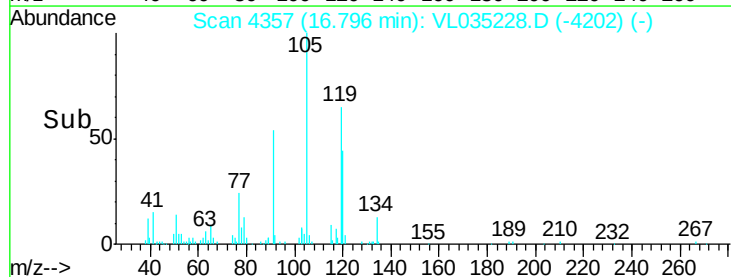
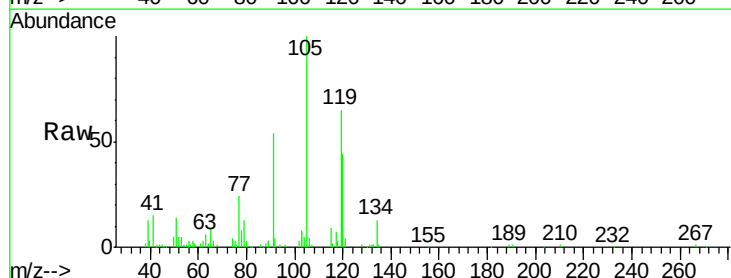
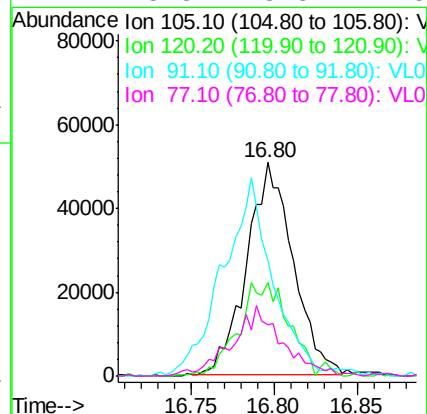
Ion Ratio Lower Upper

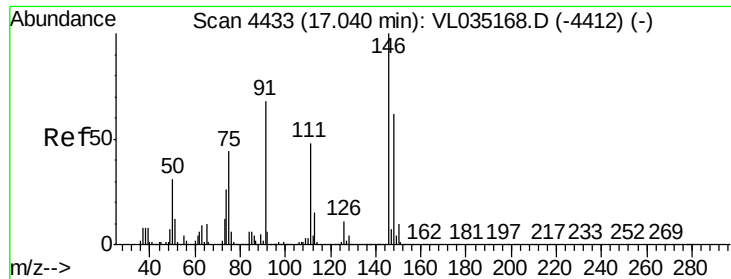
105 100

120 44.2 38.6 57.8

91 51.1 43.6 65.4

77 23.3 18.3 27.5





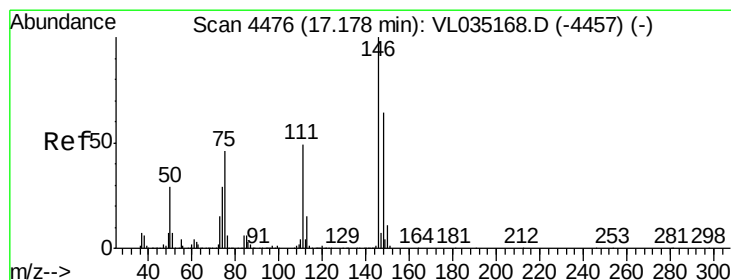
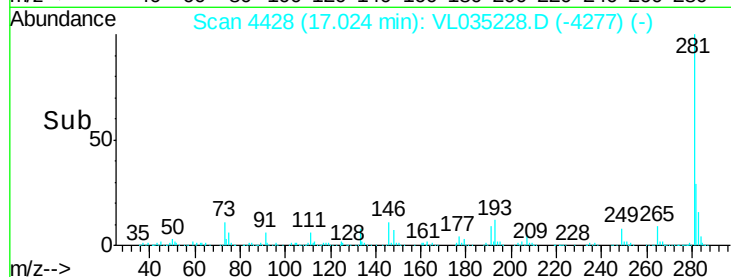
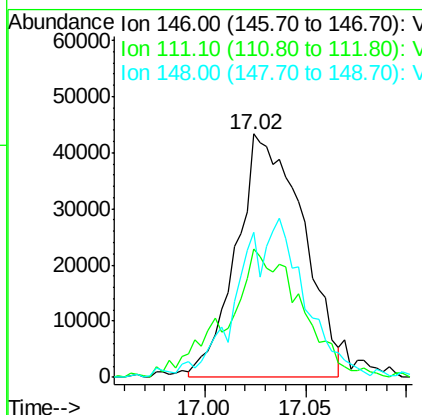
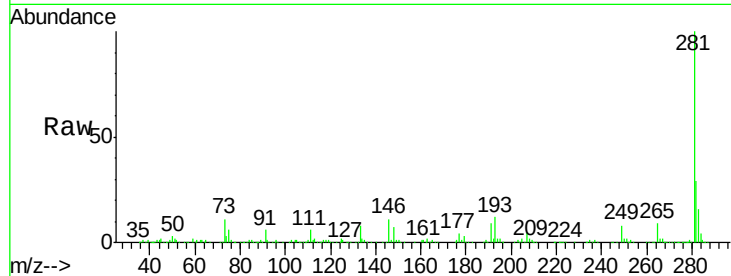
#75
 1,3-Dichlorobenzene
 Concen: 0.501 ppbv
 RT: 17.02 min Scan# 4428
 Delta R.T. -0.02 min
 Lab File: VL035228.D
 Acq: 23 Jul 2020 14:33

Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT3-2020

Tgt Ion	Ratio	Lower	Upper
146	100		
111	60.4	24.7	74.1
148	67.3	32.4	97.0

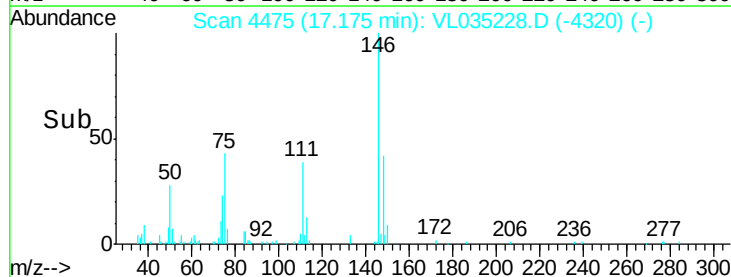
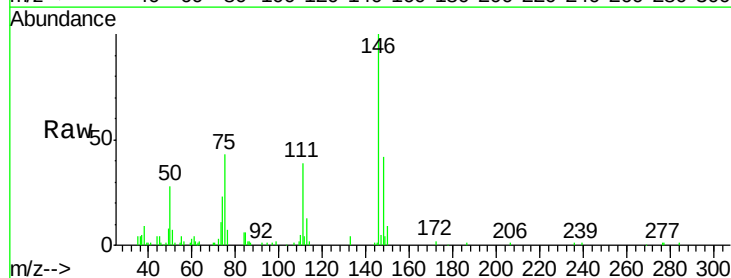
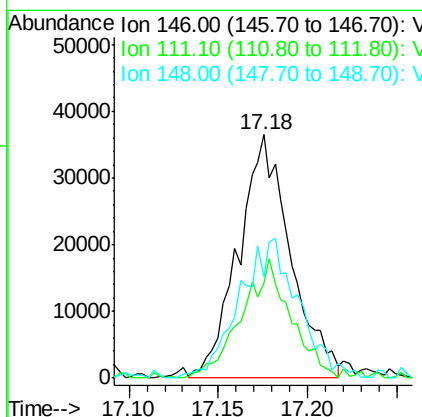
Manual Integrations
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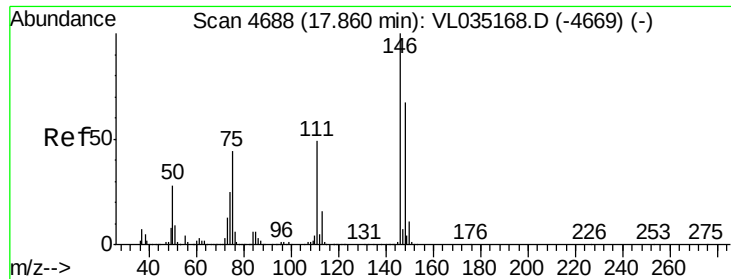
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#76
 1,4-Dichlorobenzene
 Concen: 0.404 ppbv
 RT: 17.18 min Scan# 4475
 Delta R.T. -0.00 min
 Lab File: VL035228.D
 Acq: 23 Jul 2020 14:33

Tgt Ion	Ratio	Lower	Upper
146	100		
111	47.6	23.8	71.2
148	65.8	32.3	96.9





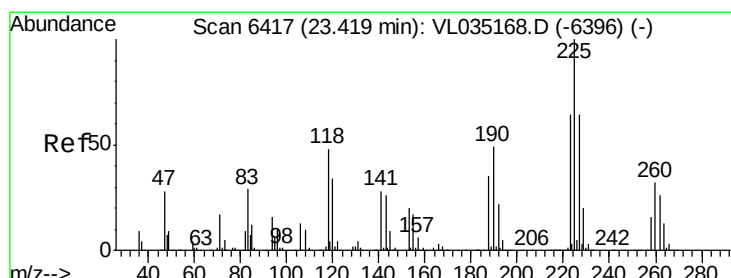
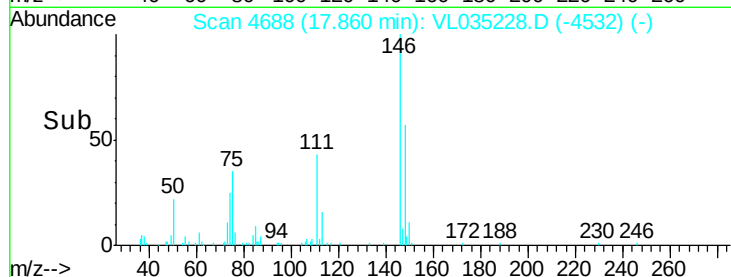
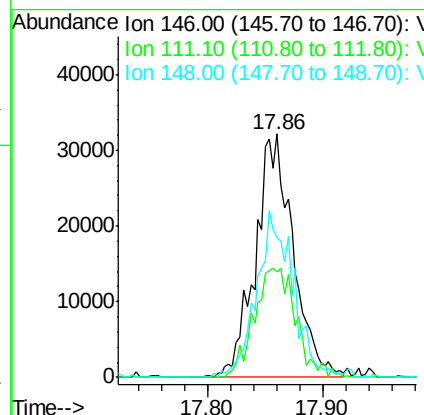
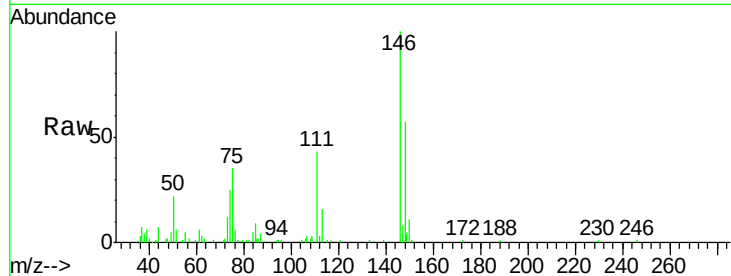
#77
 1,2-Dichlorobenzene
 Concen: 0.409 ppbv m
 RT: 17.86 min Scan# 4688
 Delta R.T. 0.00 min
 Lab File: VL035228.D
 Acq: 23 Jul 2020 14:33

Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT3-2020

Tgt Ion:146 Resp: 72972
 Ion Ratio Lower Upper
 146 100
 111 49.6 25.1 75.2
 148 0.0 32.4 97.0#

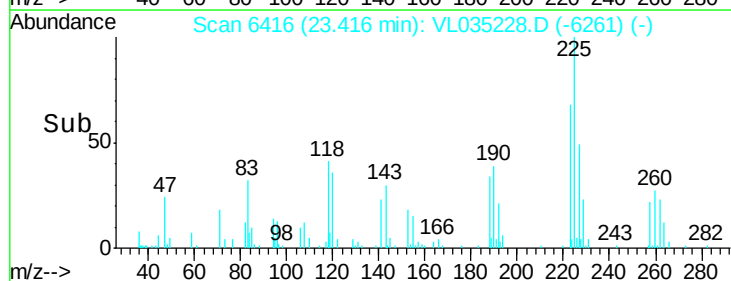
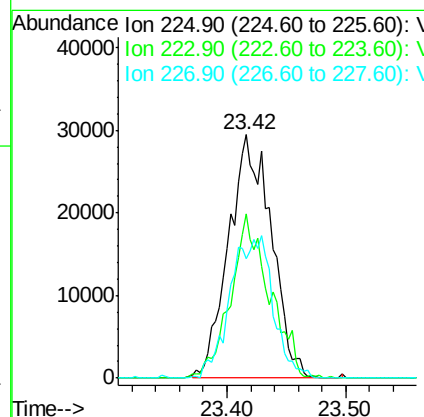
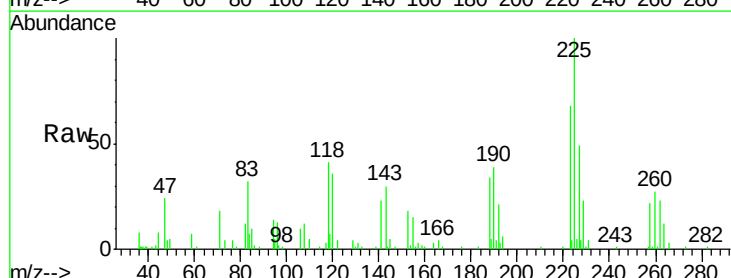
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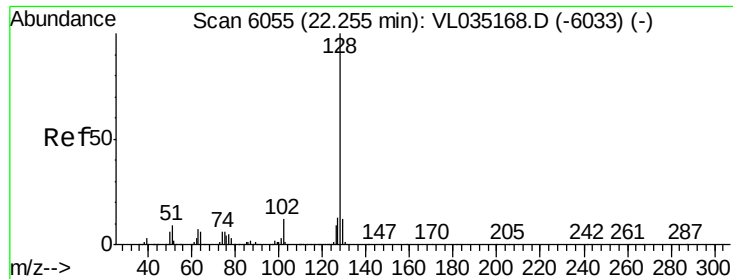
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#78
 Hexachloro-1,3-Butadiene
 Concen: 0.517 ppbv m
 RT: 23.42 min Scan# 6416
 Delta R.T. -0.00 min
 Lab File: VL035228.D
 Acq: 23 Jul 2020 14:33

Tgt Ion:225 Resp: 72885
 Ion Ratio Lower Upper
 225 100
 223 61.7 50.2 75.2
 227 0.0 51.2 76.8#





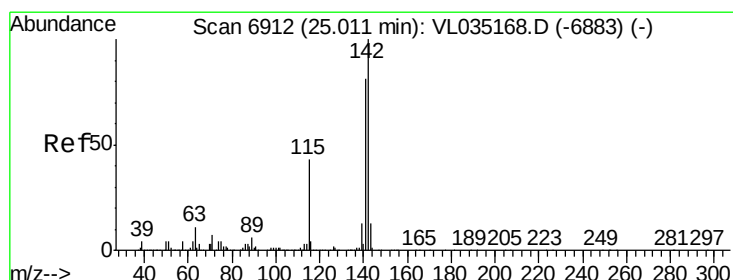
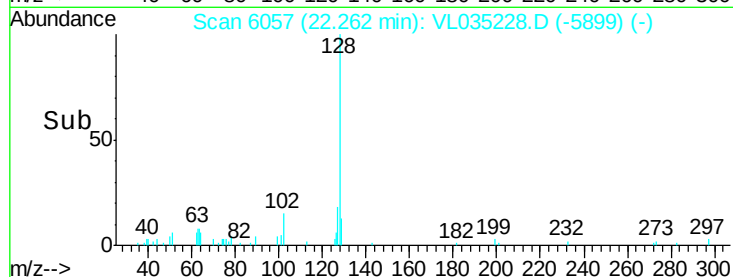
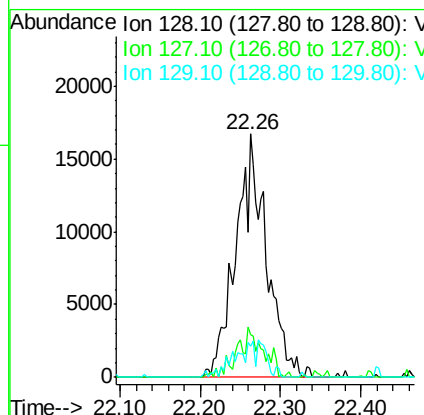
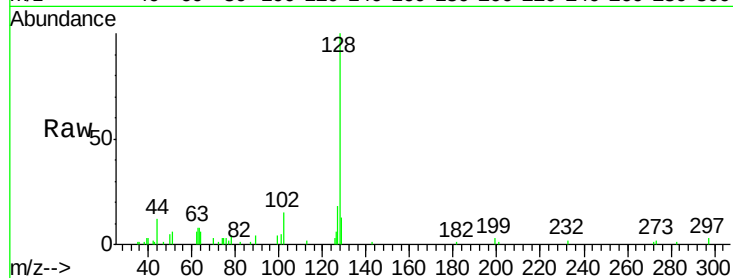
#79
Naphthalene
Concen: 0.217 ppbv m
RT: 22.26 min Scan# 6057
Delta R.T. 0.01 min
Lab File: VL035228.D
Acq: 23 Jul 2020 14:33

Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT3-2020

Tgt Ion	Ratio	Lower	Upper
128	100		
127	17.6	10.8	16.2#
129	12.7	9.4	14.2

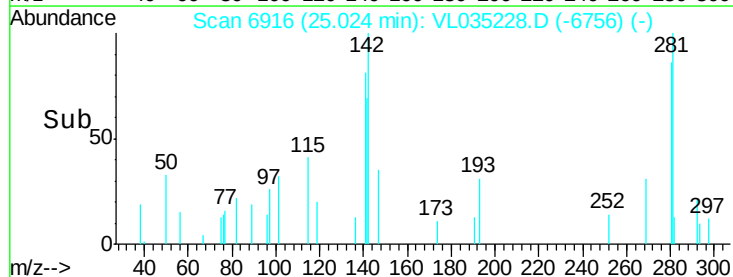
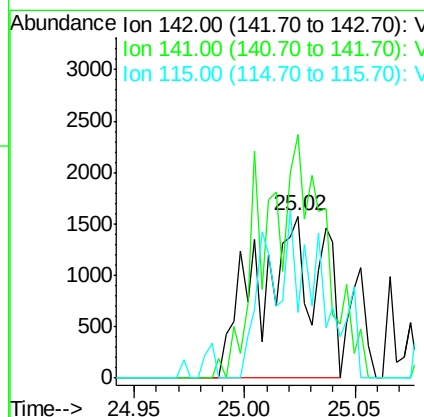
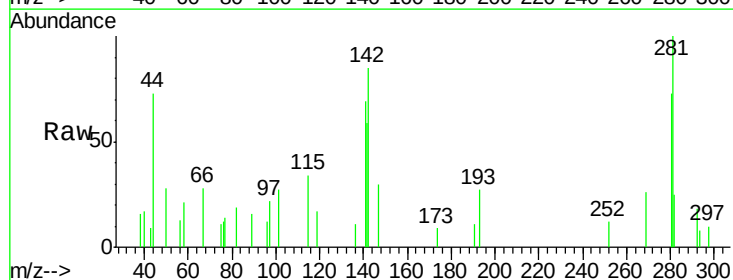
Manual Integrations
APPROVED

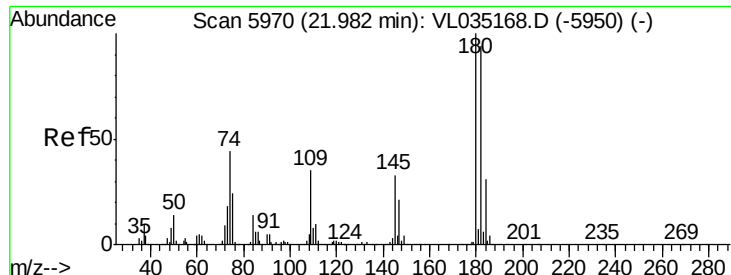
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#80
Naphthalene, 2-methyl-
Concen: 0.064 ppbv
RT: 25.02 min Scan# 6916
Delta R.T. 0.01 min
Lab File: VL035228.D
Acq: 23 Jul 2020 14:33

Tgt Ion	Ratio	Lower	Upper
142	100		
141	146.6	68.2	102.4#
115	92.2	34.4	51.6#





#81
 1,2,4-Trichlorobenzene
 Concen: 0.317 ppbv m
 RT: 21.98 min Scan# 5969
 Delta R.T. -0.00 min
 Lab File: VL035228.D
 Acq: 23 Jul 2020 14:33

Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT3-2020

Tgt Ion	Ratio	Lower	Upper
180	100		
182	90.0	76.7	115.1
184	31.0	25.0	37.6

Manual Integrations
 APPROVED

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