

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL050619\
 Data File : VL033666.D
 Acq On : 6 May 2019 19:48
 Operator : SY/AP
 Sample : K2241-13 0.4PPB
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT2-2019

Manual Integrations
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Quant Time: May 07 05:32:14 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL050619AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon May 07 2019
 QLast Update : Mon May 06 15:19:01 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.76	49	960294	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.28	114	2323912	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.24	117	2248718	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.57	95	1936316	10.50	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	105.00%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.07	85	95681	0.425	ppbv	93
3) Chlorodifluoromethane	3.01	51	53616m	0.387	ppbv	
4) Chloromethane	3.17	50	29603	0.411	ppbv	99
5) Vinyl Chloride	3.29	62	26421	0.377	ppbv	96
6) Bromomethane	3.52	94	17926	0.403	ppbv	89
7) Chloroethane	3.60	64	10333m	0.406	ppbv	
8) Dichlorotetrafluoroethane	3.22	85	79488	0.429	ppbv	96
9) Propene	3.04	41	19010	0.360	ppbv	95
10) Heptane	8.24	43	42499	0.326	ppbv	98
11) Trichlorofluoromethane	4.00	101	86280	0.410	ppbv	95
12) 1,1,2-Trichlorotrifluoroet	4.55	101	56820	0.402	ppbv	99
13) Ethanol	3.66	45	7484m	0.472	ppbv	
14) Bromoethene	3.78	108	20040m	0.360	ppbv	
15) Acetone	3.91	43	61013	0.427	ppbv	95
16) 1,3-Butadiene	3.36	39	20905	0.341	ppbv	96
17) tert-Butyl alcohol	4.37	59	43322	0.399	ppbv	100
18) 1,1-Dichloroethene	4.35	96	22479m	0.368	ppbv	
19) Isopropyl Alcohol	4.03	45	35846	0.408	ppbv #	88
20) Methylene Chloride	4.41	84	23017	0.424	ppbv	92
21) Allyl Chloride	4.47	41	31356	0.363	ppbv	92
22) trans-1,2-Dichloroethene	4.97	96	23593m	0.385	ppbv	
23) Vinyl Acetate	5.15	43	52654	0.284	ppbv #	90
24) 1,1-Dichloroethane	5.09	63	53855	0.384	ppbv #	95
25) Ethyl Acetate	5.77	43	94840	0.408	ppbv	99
26) Hexane	5.78	57	38056m	0.381	ppbv	
27) Carbon Disulfide	4.62	76	46551	0.341	ppbv #	71
28) Methyl tert-Butyl Ether	5.12	73	48560	0.289	ppbv	97
29) Chloroform	5.84	83	79808	0.444	ppbv	95
30) Cyclohexane	7.25	84	26381m	0.314	ppbv	
31) cis-1,2-Dichloroethene	5.63	61	34635	0.348	ppbv	97
32) 1,1,1-Trichloroethane	6.62	97	73881	0.398	ppbv	97
34) 2-Butanone	5.34	43	44304	0.298	ppbv	99
35) Carbon Tetrachloride	7.13	117	81336	0.426	ppbv	90
36) Benzene	7.00	78	65172	0.313	ppbv	97
37) 1,2-Dichloroethane	6.41	62	55942	0.385	ppbv	97
38) Trichloroethene	7.96	130	29052m	0.380	ppbv	
39) 1,2-Dichloropropane	7.73	63	28954m	0.373	ppbv	
40) 1,4-Dioxane	7.99	88	12227m	0.394	ppbv	
41) Tetrahydrofuran	6.17	42	22174	0.288	ppbv	99
42) Bromodichloromethane	7.91	83	73724	0.393	ppbv	86
43) Methyl Methacrylate	8.14	69	22023m	0.281	ppbv	

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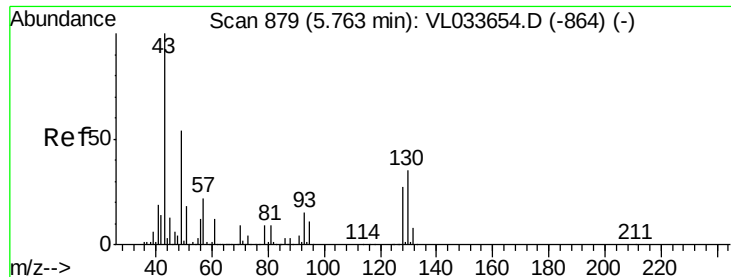
Manual Integrations
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Quant Time: May 07 05:32:14 2019
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 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon May 0
 QLast Update : Mon May 06 15:19:01 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.99	57	119960m	0.337	ppbv	
45) t-1,3-Dichloropropene	9.41	75	24743m	0.257	ppbv	
46) cis-1,3-Dichloropropene	8.83	75	31308	0.261	ppbv	96
47) 1,1,2-Trichloroethane	9.61	97	35602m	0.399	ppbv	
48) Dibromochloromethane	10.44	129	52839	0.349	ppbv	96
49) Bromoform	13.20	173	44299	0.337	ppbv	98
50) 4-Methyl-2-Pentanone	8.88	43	73516	0.326	ppbv	93
51) 2-Hexanone	10.29	43	49459m	0.283	ppbv	
52) Tetrachloroethene	11.37	164	26628	0.361	ppbv	93
53) Toluene	9.94	91	61915	0.275	ppbv	92
54) 1,2-Dibromoethane	10.75	107	48609	0.362	ppbv	97
56) 1,1,1,2-Tetrachloroethane	12.27	131	44679	0.431	ppbv #	1
57) Chlorobenzene	12.29	112	79937	0.433	ppbv	98
58) Ethyl Benzene	12.86	91	88820	0.303	ppbv	100
59) m/p-Xylene	13.14	91	173418m	0.671	ppbv	
60) o-Xylene	13.85	91	89473	0.342	ppbv	98
61) Styrene	13.68	104	43661m	0.251	ppbv	
62) Isopropylbenzene	14.83	105	121024	0.339	ppbv	98
63) 1,1,2,2-Tetrachloroethane	13.83	83	85860	0.451	ppbv	99
64) n-propylbenzene	15.72	120	30932m	0.335	ppbv	
65) tert-Butylbenzene	16.90	119	105721	0.323	ppbv	90
66) Benzyl Chloride	17.15	91	49493m	0.332	ppbv	
67) sec-Butylbenzene	17.46	105	156472m	0.343	ppbv	
69) p-Isopropyltoluene	17.81	119	122215	0.325	ppbv	95
70) n-Butylbenzene	18.71	91	134772	0.338	ppbv	96
71) 2-Chlorotoluene	15.61	91	81233	0.308	ppbv	99
72) 4-Ethyltoluene	15.99	105	89215	0.290	ppbv #	93
73) 1,3,5-Trimethylbenzene	16.15	105	96572m	0.325	ppbv	
74) 1,2,4-Trimethylbenzene	16.92	105	116768	0.354	ppbv	94
75) 1,3-Dichlorobenzene	17.15	146	88194	0.442	ppbv	91
76) 1,4-Dichlorobenzene	17.30	146	73073	0.386	ppbv	97
77) 1,2-Dichlorobenzene	17.99	146	71819m	0.389	ppbv	
78) Hexachloro-1,3-Butadiene	23.54	225	67989m	0.464	ppbv	
79) Naphthalene	22.42	128	84311m	0.280	ppbv	
80) Naphthalene, 2-methyl-	25.11	142	23790	0.209	ppbv	98
81) 1,2,4-Trichlorobenzene	22.13	180	58003	0.331	ppbv	93

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.76 min Scan# 877

Delta R.T. -0.01 min

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MSVOA_L

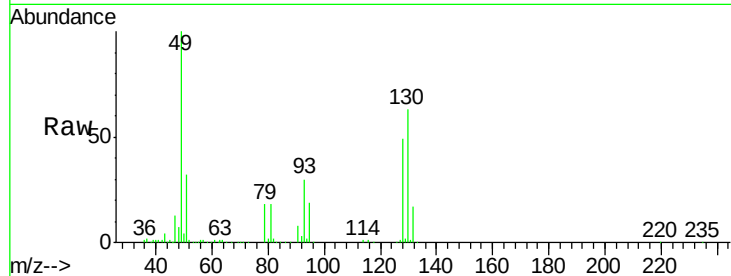
ClientSampleId :

LOD-MDL-AIR-01-QT2-2019

Tot Ion:	49	Resp:	960294
Ion	Ratio	Lower	Upper
49	100		
128	49.9	24.8	74.3
130	63.8	32.1	96.5

Manual Integrations
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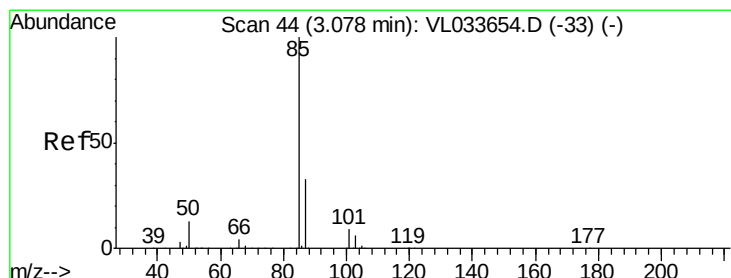
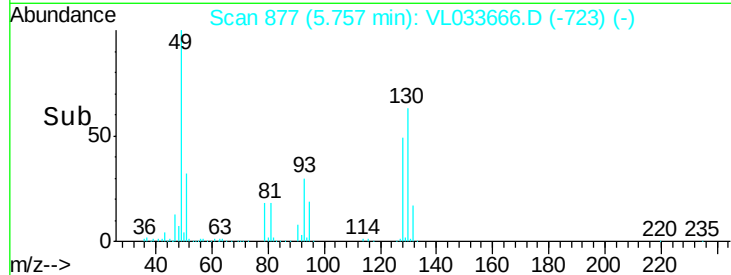
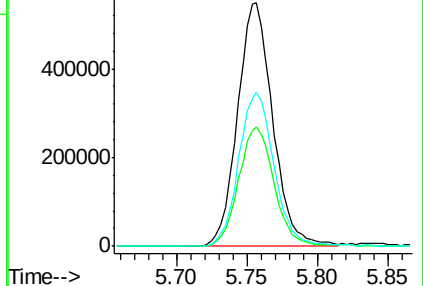
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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#2

Dichlorodifluoromethane

Concen: 0.425 ppbv

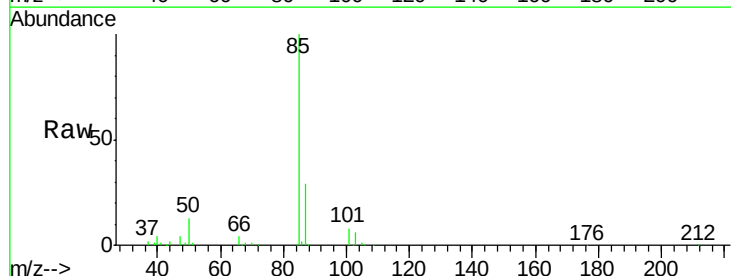
RT: 3.07 min Scan# 42

Delta R.T. -0.01 min

Lab File: VL033666.D

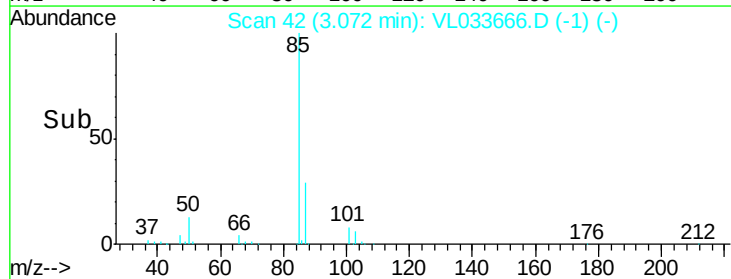
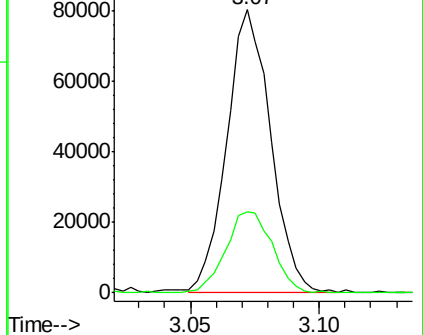
Acq: 6 May 2019 19:48

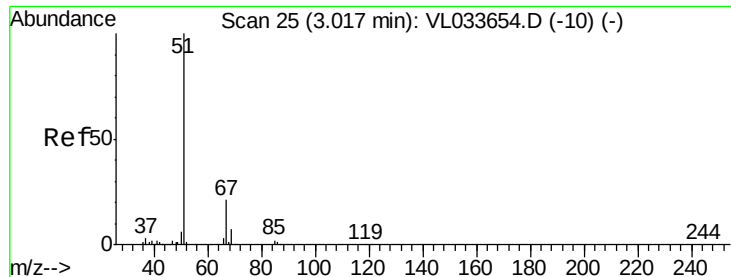
Tgt Ion:	85	Resp:	95681
Ion	Ratio	Lower	Upper
85	100		
87	28.8	26.0	39.0



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 0.387 ppbv

RT: 3.01 min Scan# 23

Delta R.T. -0.01 min

Lab File: VL033666.D

Acq: 6 May 2019 19:48

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT2-2019

Tot Ion: 51 Resp: 53616

Ion Ratio Lower Upper

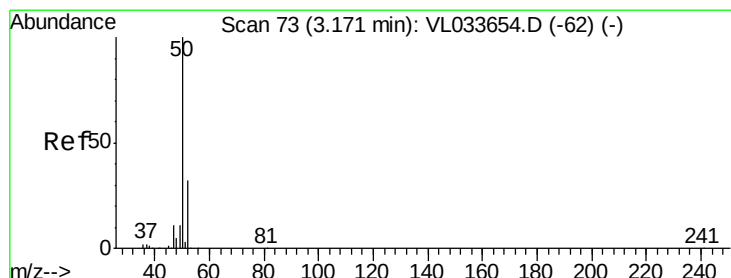
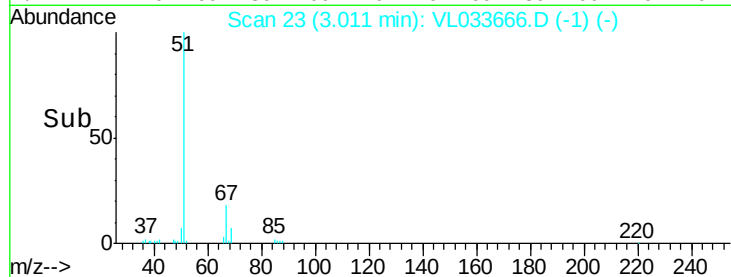
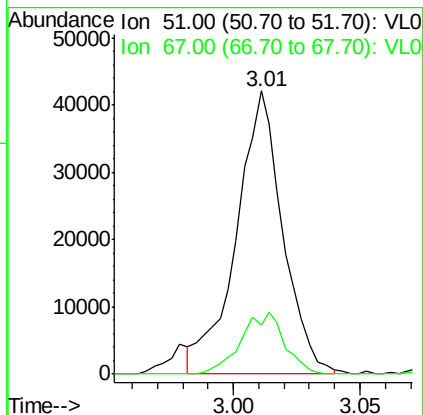
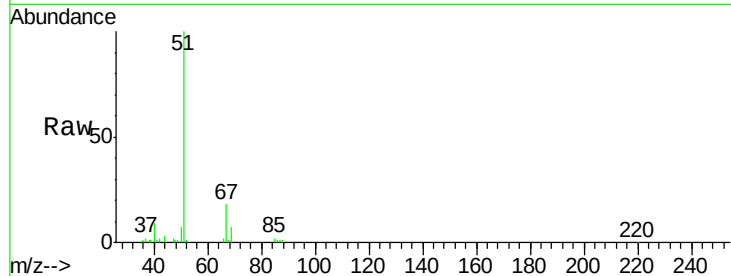
51 100

67 20.5 15.7 23.5

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#4

Chloromethane

Concen: 0.411 ppbv

RT: 3.17 min Scan# 71

Delta R.T. -0.01 min

Lab File: VL033666.D

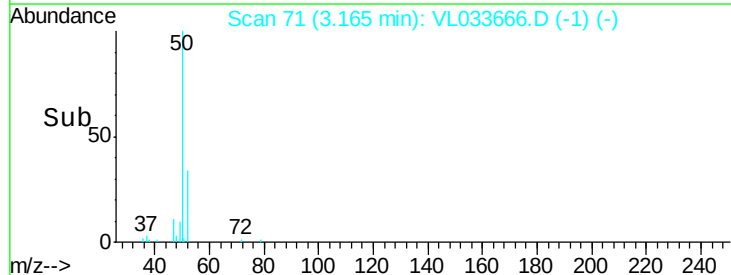
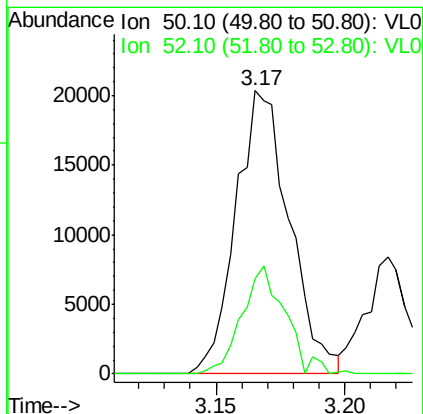
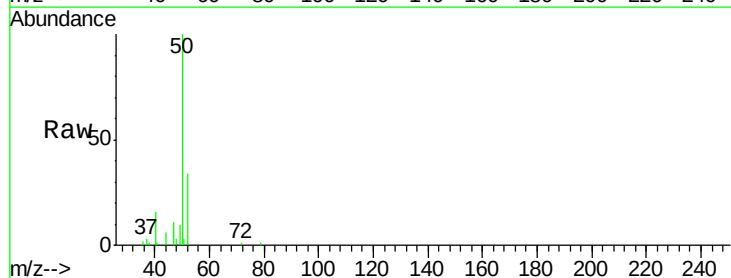
Acq: 6 May 2019 19:48

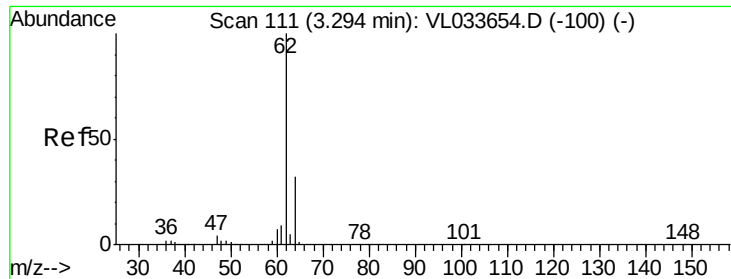
Tgt Ion: 50 Resp: 29603

Ion Ratio Lower Upper

50 100

52 32.7 25.8 38.8





#5

Vinyl Chloride

Concen: 0.377 ppbv

RT: 3.29 min Scan# 109

Delta R.T. -0.01 min

Lab File: VL033666.D

Acq: 6 May 2019 19:48

Instrument :

MSVOA_L

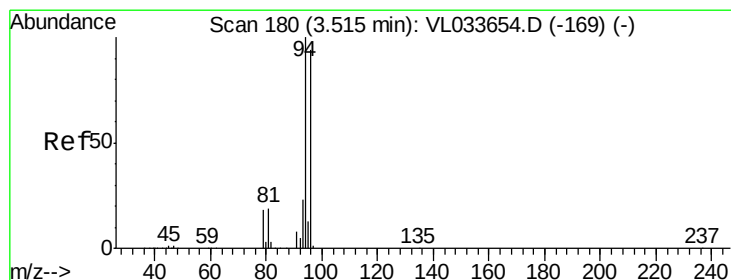
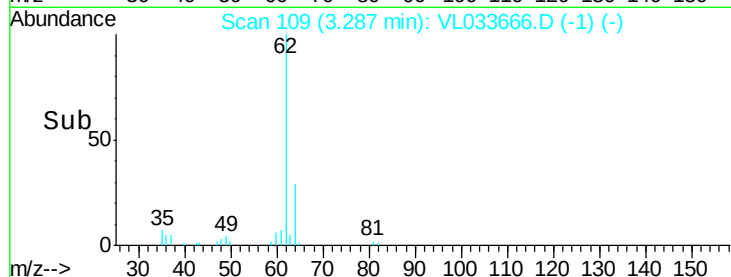
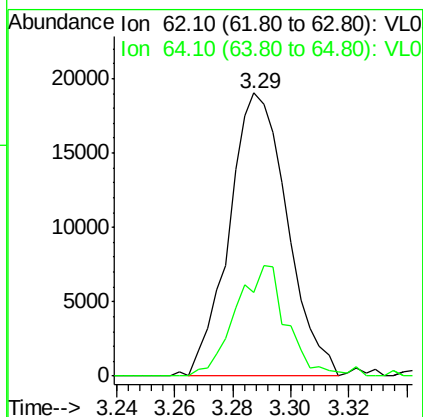
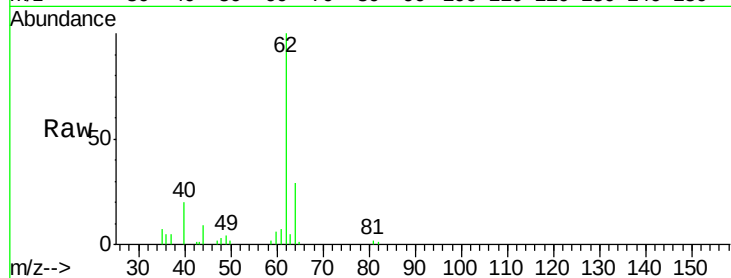
ClientSampleId :

LOD-MDL-AIR-01-QT2-2019

Tot Ion	Ion	Ratio	Lower	Upper
62	62	100		
64	64	29.7	25.6	38.4

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#6

Bromomethane

Concen: 0.403 ppbv

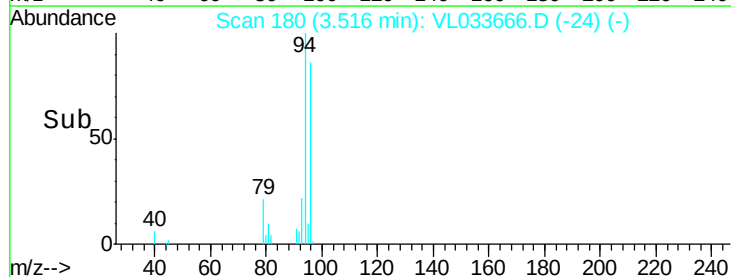
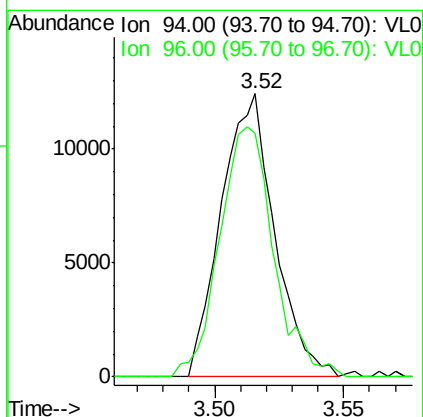
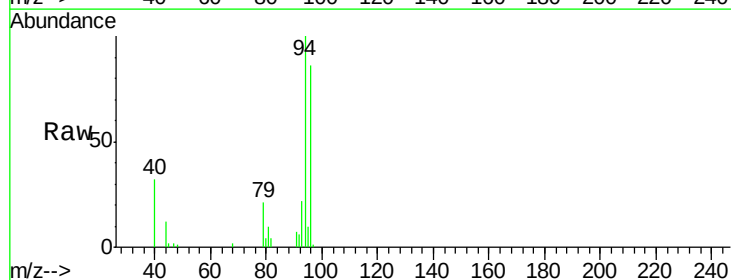
RT: 3.52 min Scan# 180

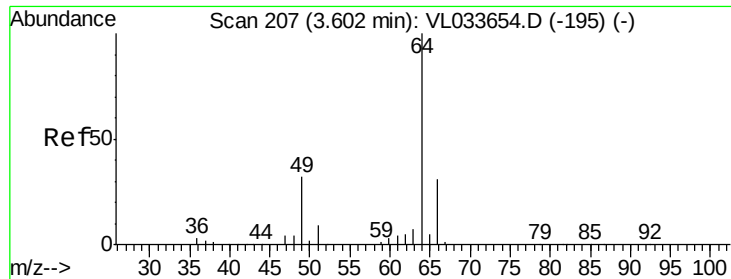
Delta R.T. 0.00 min

Lab File: VL033666.D

Acq: 6 May 2019 19:48

Tgt Ion	Ion	Ratio	Lower	Upper
94	94	100		
96	96	83.8	75.2	112.8





#7

Chloroethane

Concen: 0.406 ppbv m

RT: 3.60 min Scan# 206

Delta R.T. -0.00 min

Lab File: VL033666.D

Acq: 6 May 2019 19:48

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT2-2019

Tot Ion: 64 Resp: 10333

Ion Ratio Lower Upper

64 100

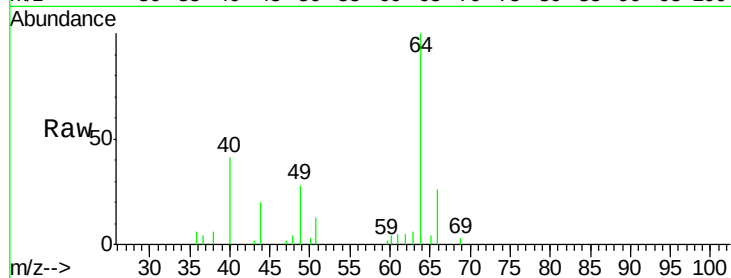
66 26.2 25.1 37.7

Manual Integrations

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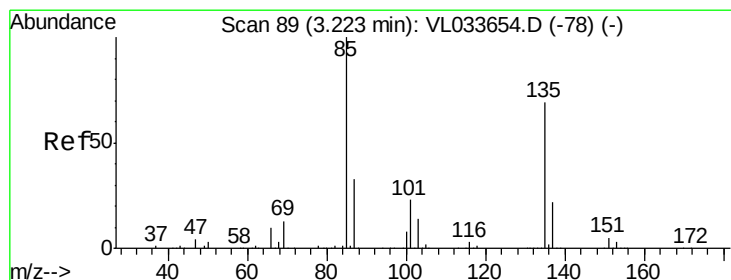
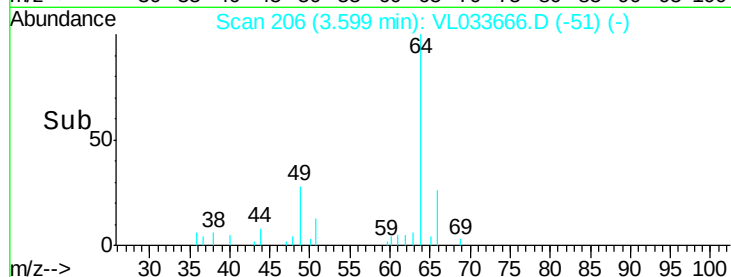
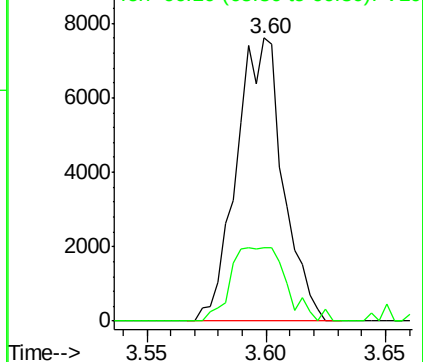
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Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0



#8

Dichlorotetrafluoroethane

Concen: 0.429 ppbv

RT: 3.22 min Scan# 87

Delta R.T. -0.01 min

Lab File: VL033666.D

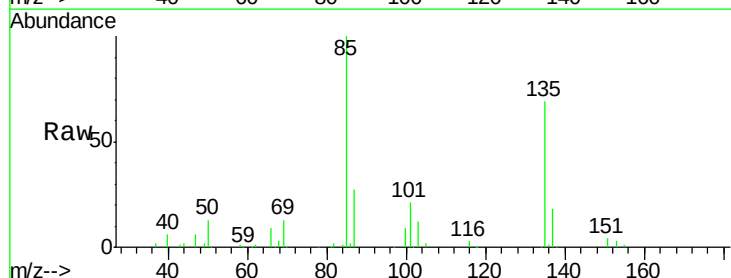
Acq: 6 May 2019 19:48

Tgt Ion: 85 Resp: 79488

Ion Ratio Lower Upper

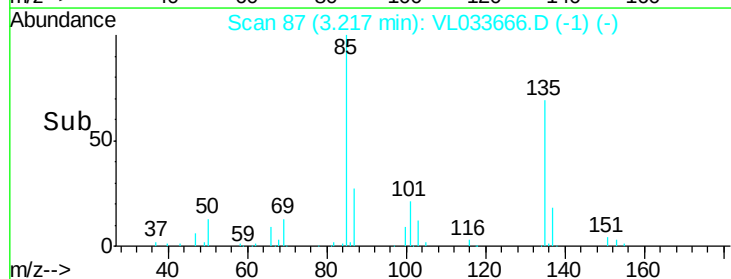
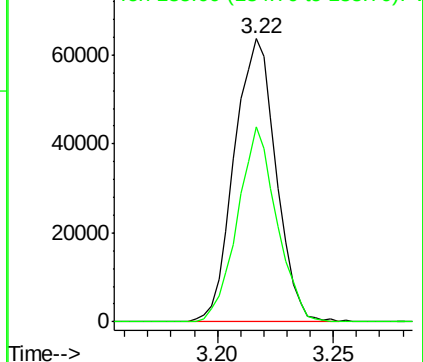
85 100

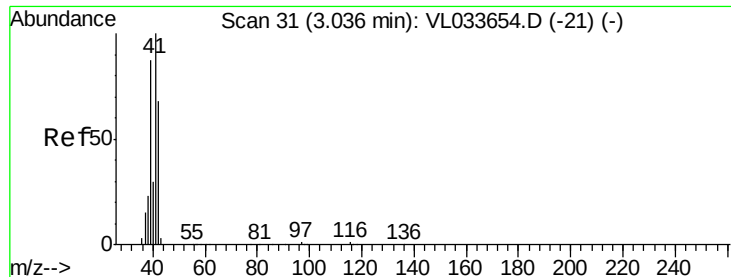
135 64.7 54.3 81.5



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V





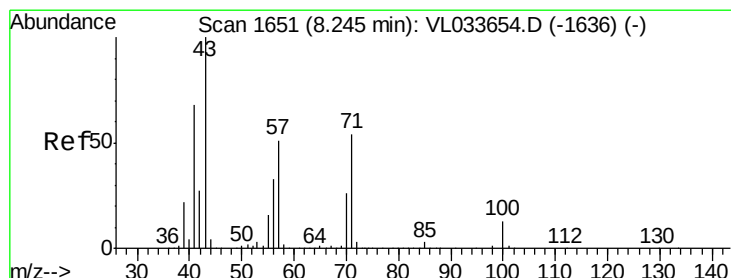
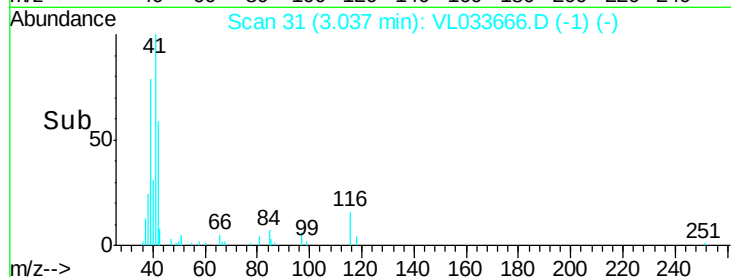
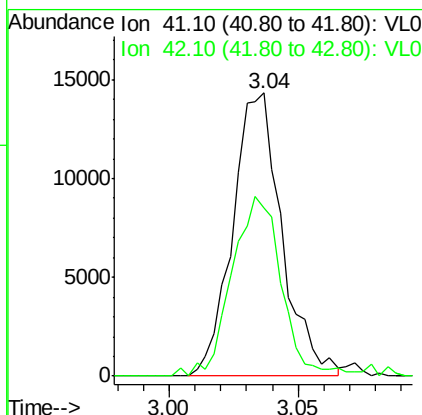
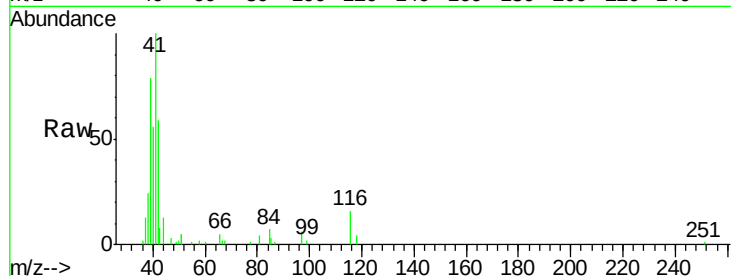
#9
 Propene
 Concen: 0.360 ppbv
 RT: 3.04 min Scan# 31
 Delta R.T. 0.00 min
 Lab File: VL033666.D
 Acq: 6 May 2019 19:48

Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT2-2019

Tot Ion: 41 Resp: 19010
 Ion Ratio Lower Upper
 41 100
 42 65.5 55.6 83.4

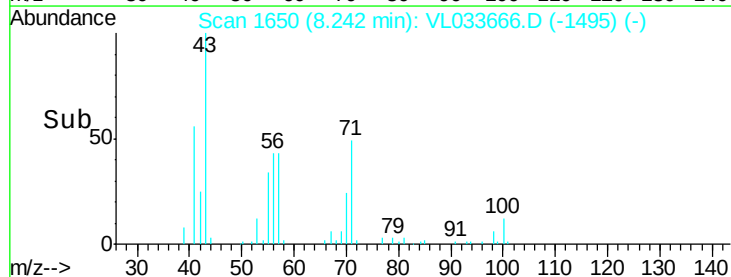
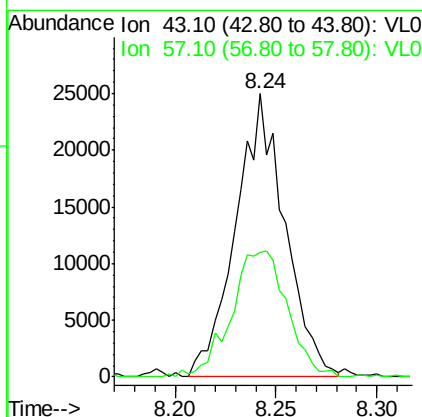
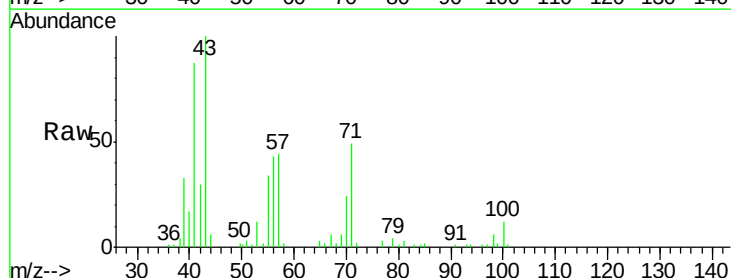
Manual Integrations
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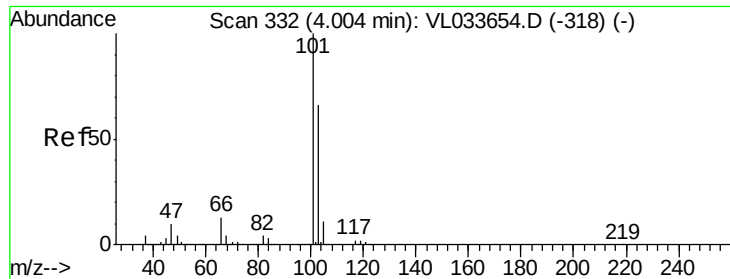
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#10
 Heptane
 Concen: 0.326 ppbv
 RT: 8.24 min Scan# 1650
 Delta R.T. -0.00 min
 Lab File: VL033666.D
 Acq: 6 May 2019 19:48

Tgt Ion: 43 Resp: 42499
 Ion Ratio Lower Upper
 43 100
 57 50.9 41.8 62.6





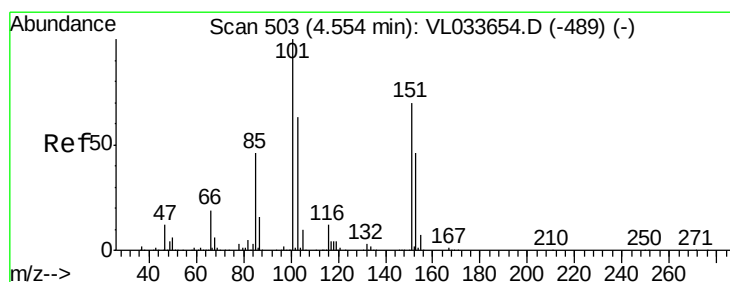
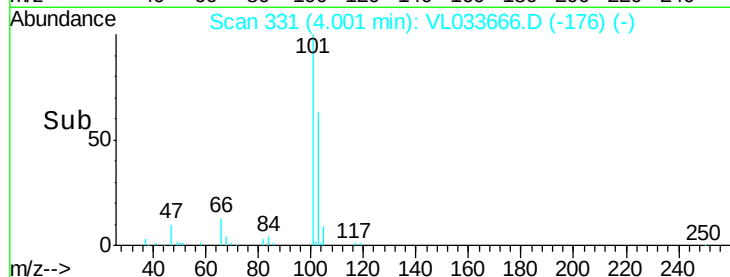
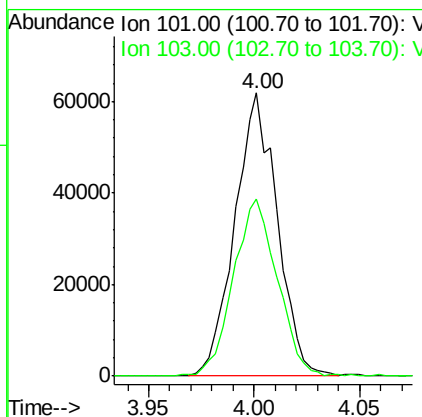
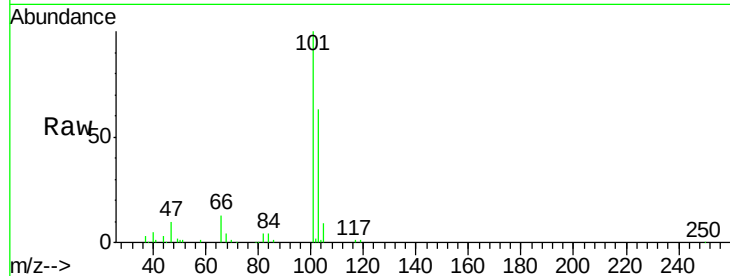
#11
 Trichlorofluoromethane
 Concen: 0.410 ppbv
 RT: 4.00 min Scan# 331
 Delta R.T. -0.00 min
 Lab File: VL033666.D
 Acq: 6 May 2019 19:48

Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT2-2019

Tot Ion	Ratio	Lower	Upper
101	100		
103	62.2	52.7	79.1

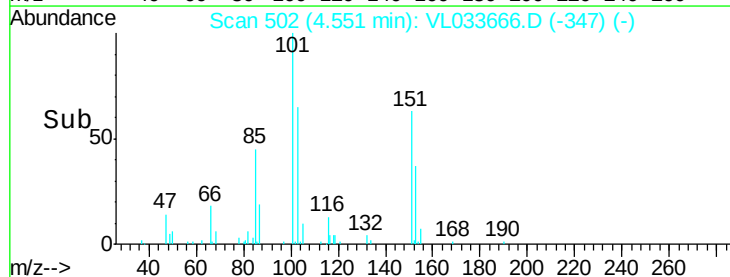
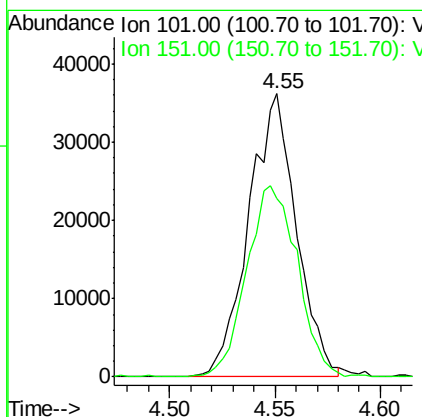
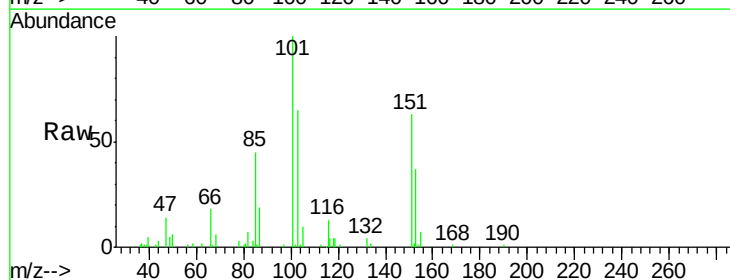
Manual Integrations
 APPROVED

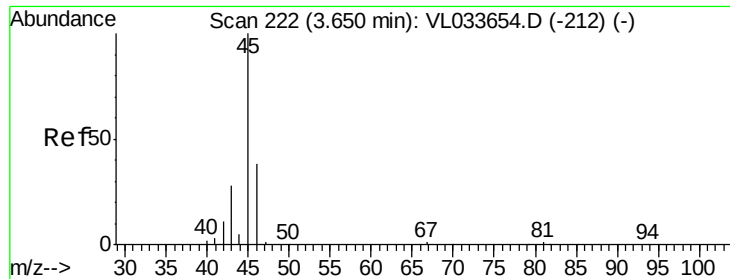
MMDadoda
 5/8/2019 12:06:58 PM



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.402 ppbv
 RT: 4.55 min Scan# 502
 Delta R.T. -0.00 min
 Lab File: VL033666.D
 Acq: 6 May 2019 19:48

Tgt Ion	Ratio	Lower	Upper
101	100		
151	72.1	58.0	87.0





#13

Ethanol

Concen: 0.472 ppbv m

RT: 3.66 min Scan# 225

Delta R.T. 0.01 min

Lab File: VL033666.D

Acq: 6 May 2019 19:48

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT2-2019

Tot Ion: 45 Resp: 7484

Ion Ratio Lower Upper

45 100

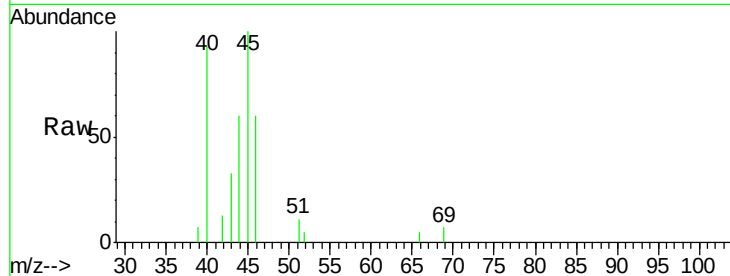
46 0.0 14.9 59.7#

Manual Integrations

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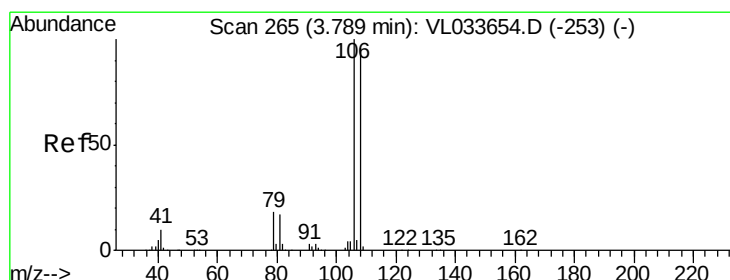
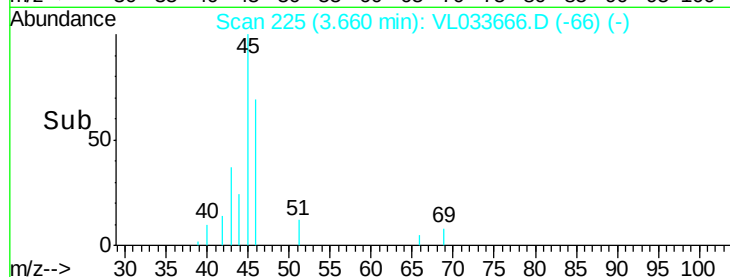
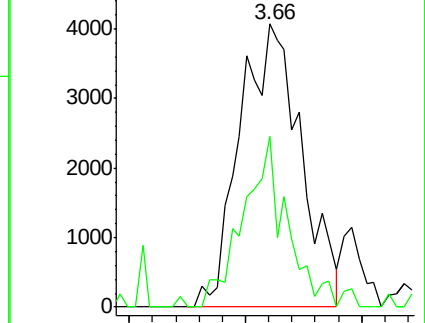
MMDadoda

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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: 0.360 ppbv m

RT: 3.78 min Scan# 263

Delta R.T. -0.01 min

Lab File: VL033666.D

Acq: 6 May 2019 19:48

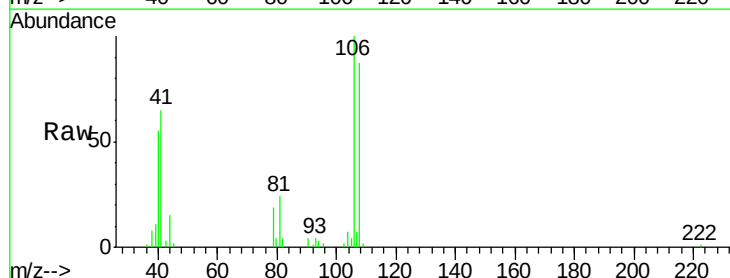
Tgt Ion: 108 Resp: 20040

Ion Ratio Lower Upper

108 100

106 110.0 85.7 128.5

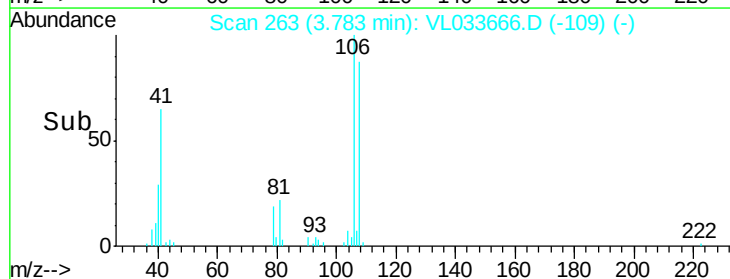
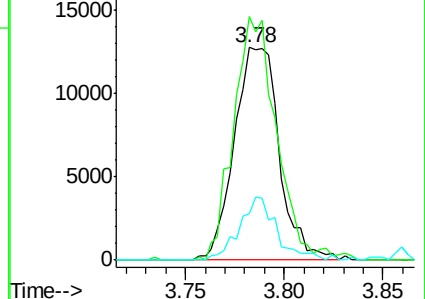
79 0.0 15.2 22.8#

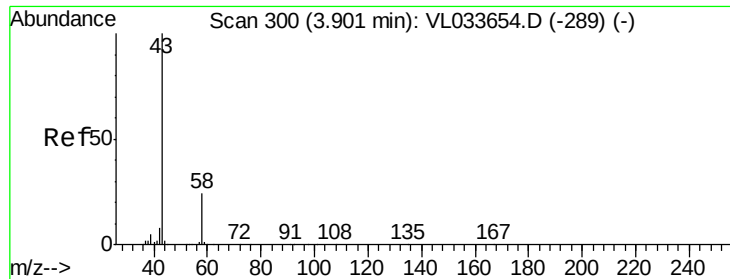


Abundance Ion 108.00 (107.70 to 108.70): V

Ion 106.00 (105.70 to 106.70): V

Ion 79.00 (78.70 to 79.70): VL0





#15

Acetone

Concen: 0.427 ppbv

RT: 3.91 min Scan# 303

Delta R.T. 0.01 min

Lab File: VL033666.D

Acq: 6 May 2019 19:48

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT2-2019

Tot Ion: 43 Resp: 61013

Ion Ratio Lower Upper

43 100

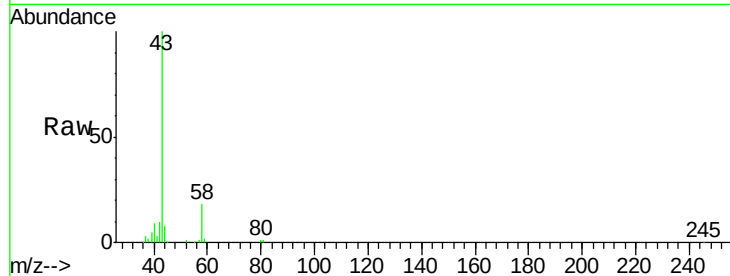
58 28.5 20.9 31.3

Manual Integrations

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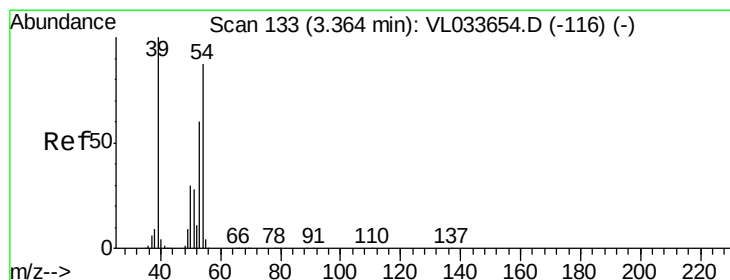
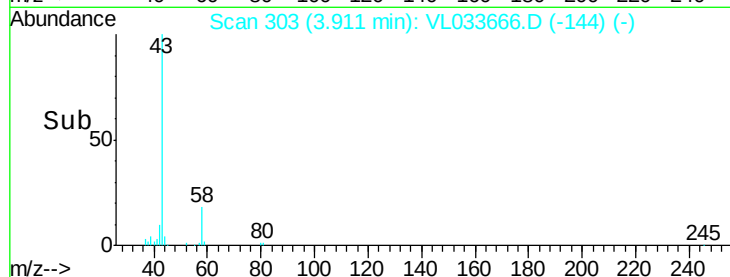
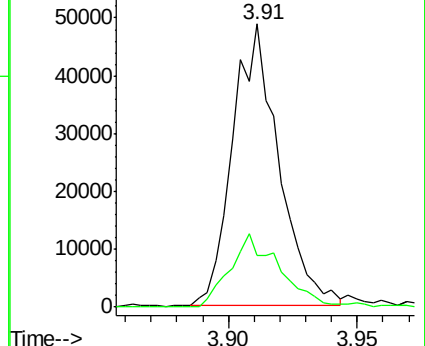
MMDadoda

5/8/2019 12:06:58 PM



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#16

1,3-Butadiene

Concen: 0.341 ppbv

RT: 3.36 min Scan# 132

Delta R.T. -0.00 min

Lab File: VL033666.D

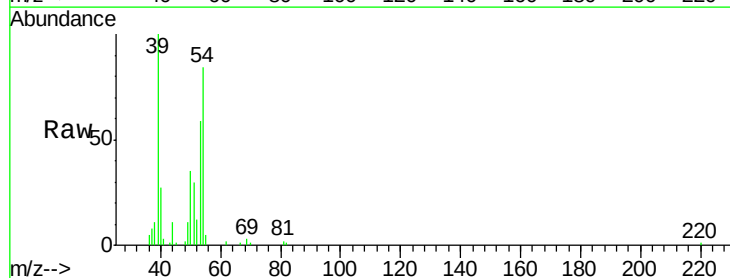
Acq: 6 May 2019 19:48

Tgt Ion: 39 Resp: 20905

Ion Ratio Lower Upper

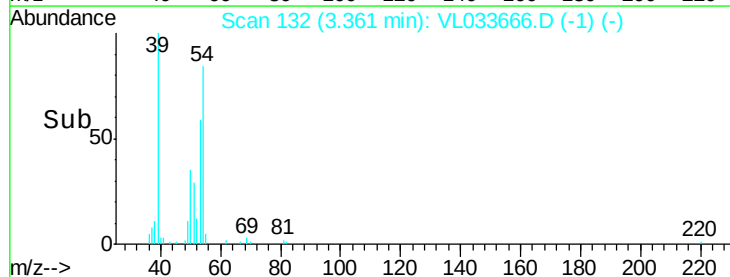
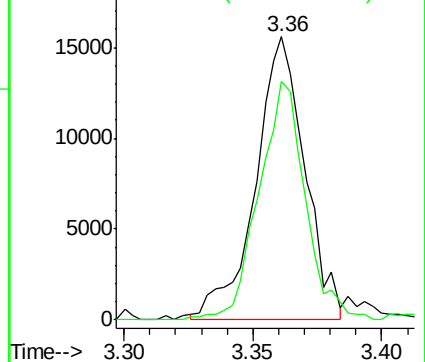
39 100

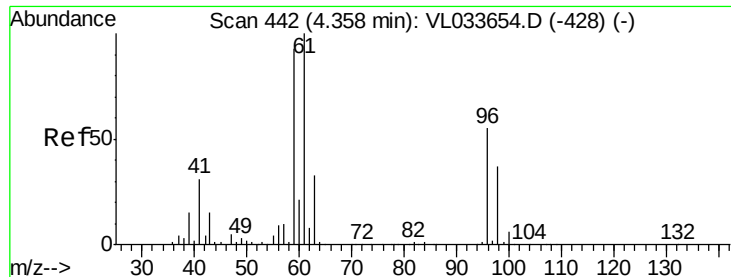
54 80.0 67.0 100.4



Abundance Ion 39.10 (38.80 to 39.80): VL0

Ion 54.10 (53.80 to 54.80): VL0





#17

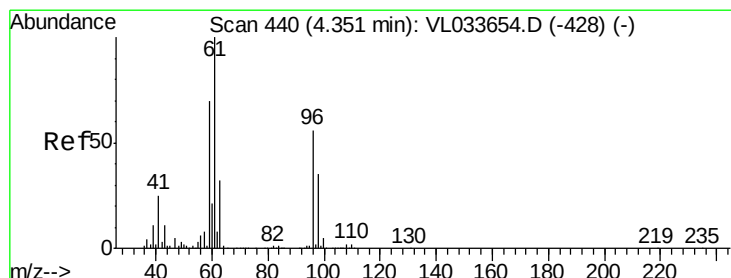
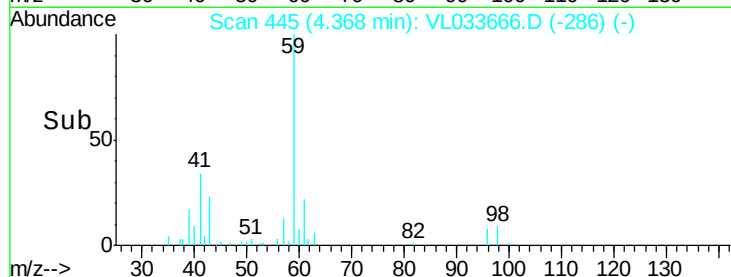
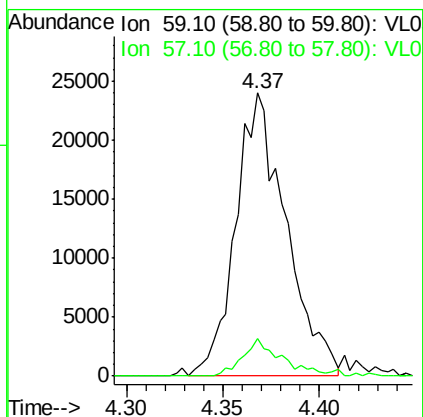
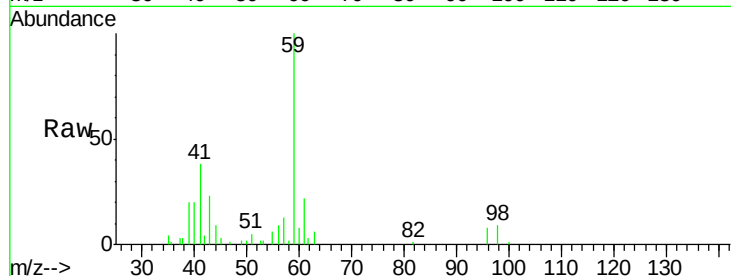
tert-Butyl alcohol
Concen: 0.399 ppbv
RT: 4.37 min Scan# 445
Delta R.T. 0.01 min
Lab File: VL033666.D
Acq: 6 May 2019 19:48

Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT2-2019

Tot Ion: 59 Resp: 43322
Ion Ratio Lower Upper
59 100
57 10.6 8.4 12.6

Manual Integrations
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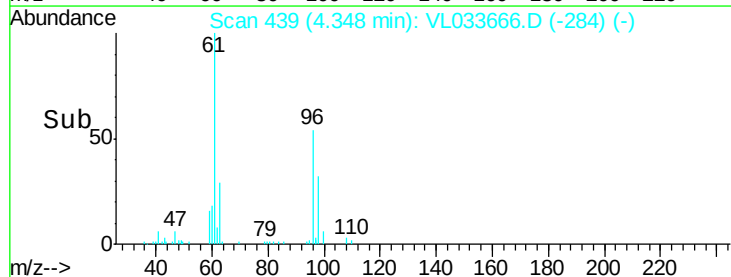
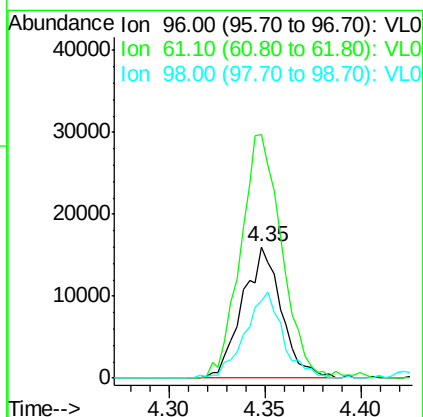
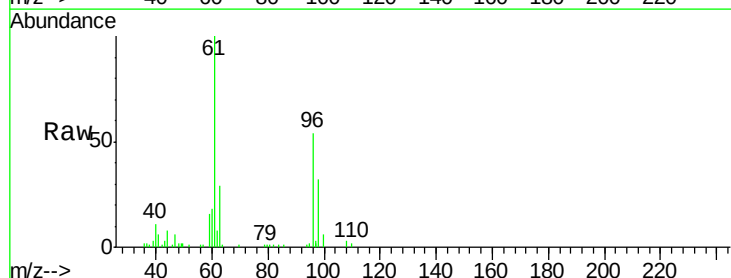
MMDadoda
5/8/2019 12:06:58 PM

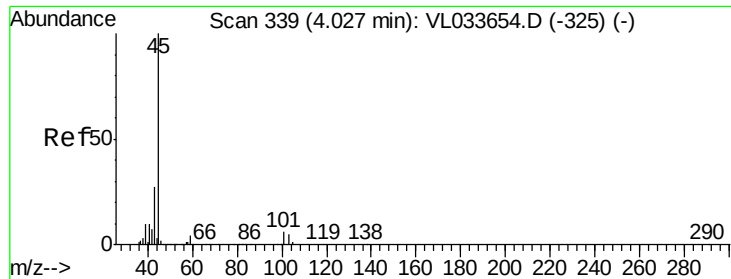


#18

1,1-Dichloroethene
Concen: 0.368 ppbv m
RT: 4.35 min Scan# 439
Delta R.T. -0.00 min
Lab File: VL033666.D
Acq: 6 May 2019 19:48

Tgt Ion: 96 Resp: 22479
Ion Ratio Lower Upper
96 100
61 185.4 143.4 215.0
98 58.5 50.4 75.6





#19

Isopropyl Alcohol

Concen: 0.408 ppbv

RT: 4.03 min Scan# 340

Delta R.T. 0.00 min

Lab File: VL033666.D

Acq: 6 May 2019 19:48

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT2-2019

Tot Ion: 45 Resp: 35846

Ion Ratio Lower Upper

45 100

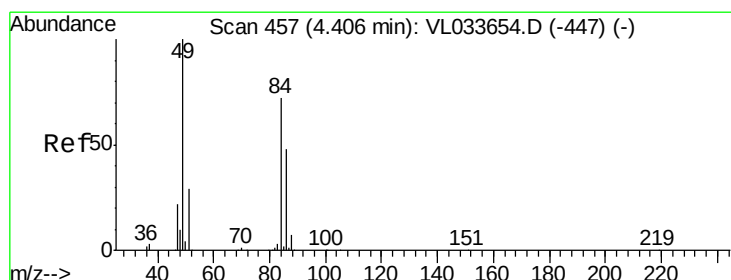
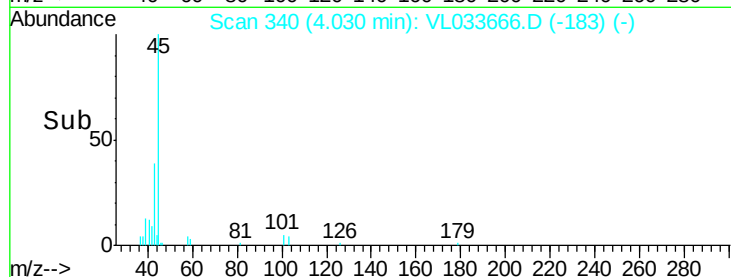
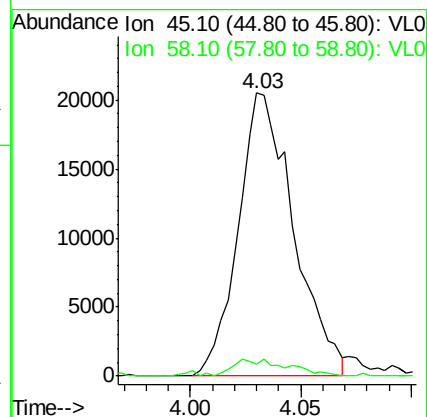
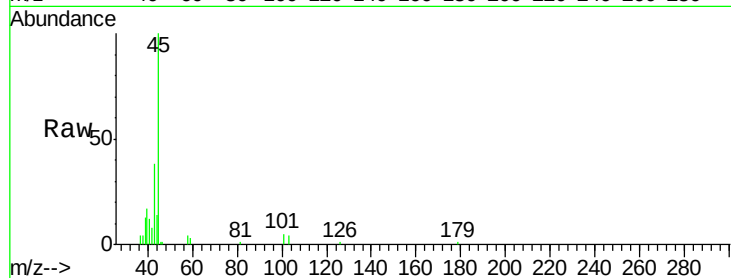
58 6.6 2.0 3.0#

Manual Integrations

APPROVED

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#20

Methylene Chloride

Concen: 0.424 ppbv

RT: 4.41 min Scan# 457

Delta R.T. 0.00 min

Lab File: VL033666.D

Acq: 6 May 2019 19:48

Tgt Ion: 84 Resp: 23017

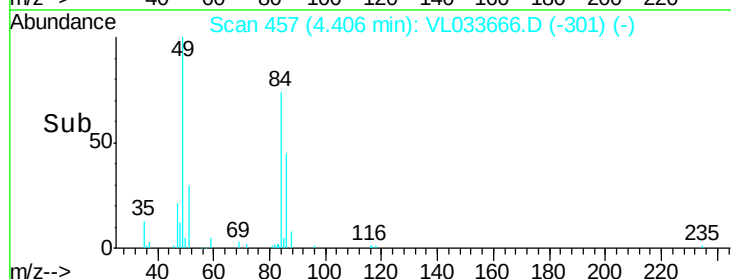
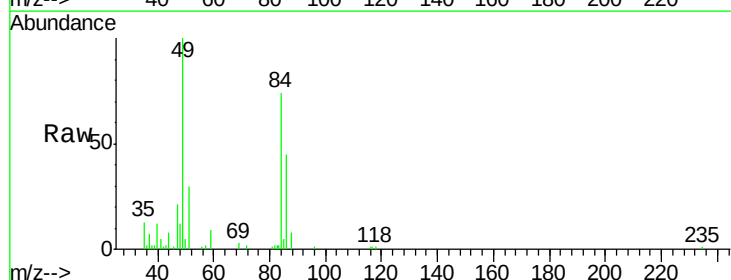
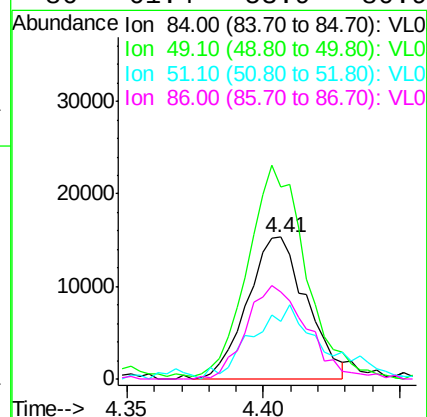
Ion Ratio Lower Upper

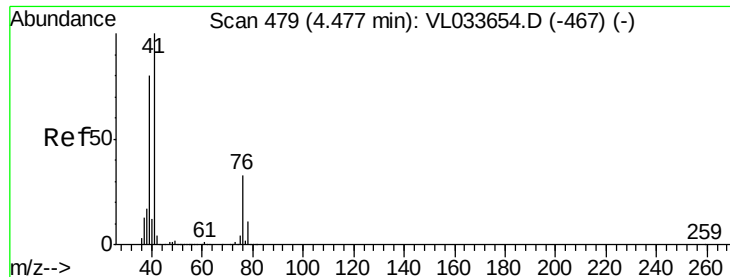
84 100

49 129.8 111.8 167.6

51 37.1 32.3 48.5

86 61.4 53.9 80.9





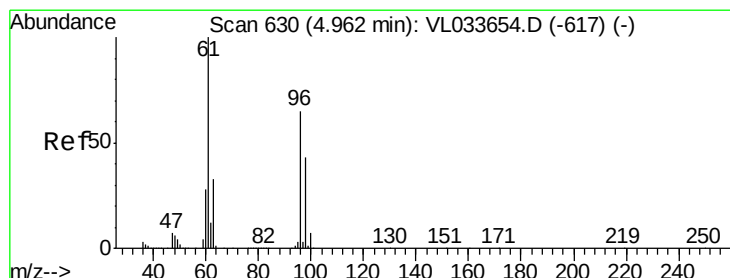
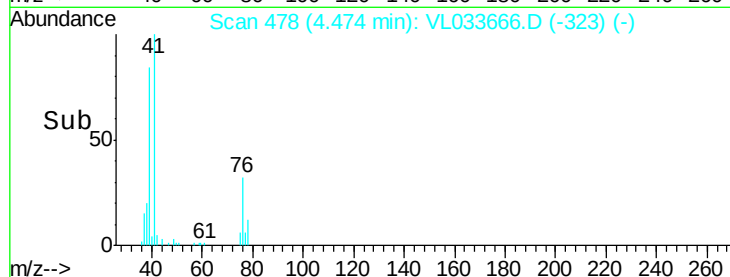
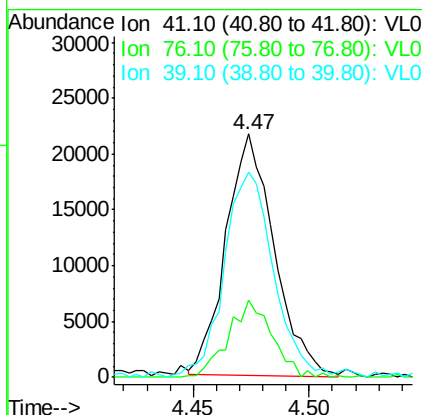
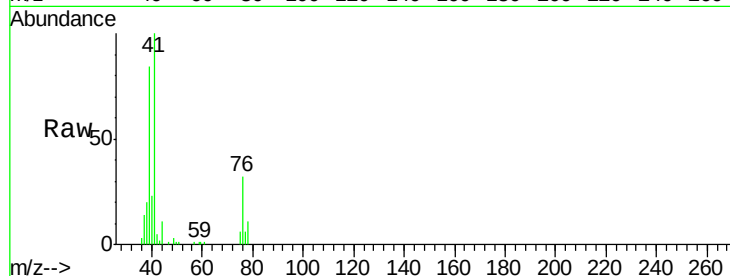
#21
Allvl Chloride
Concen: 0.363 ppbv
RT: 4.47 min Scan# 478
Delta R.T. -0.00 min
Lab File: VL033666.D
Acq: 6 May 2019 19:48

Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT2-2019

Tot Ion	Ratio	Lower	Upper
41	100		
76	29.5	26.0	39.0
39	88.6	64.4	96.6

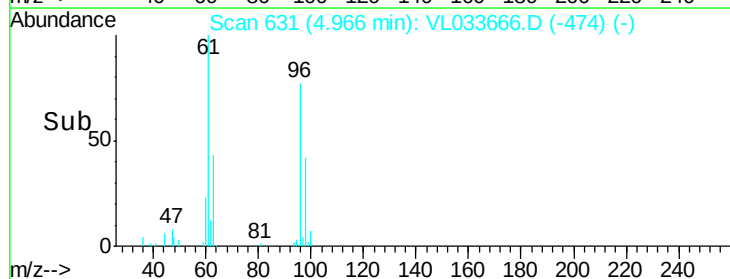
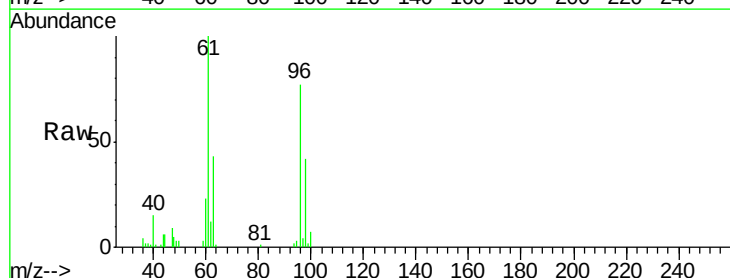
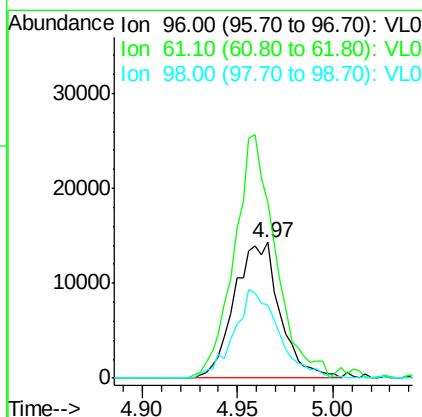
Manual Integrations
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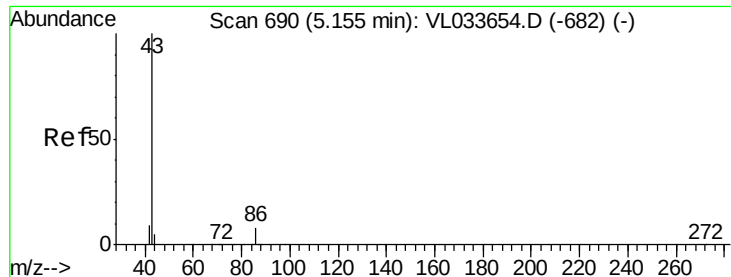
MMDadoda
5/8/2019 12:06:58 PM



#22
trans-1,2-Dichloroethene
Concen: 0.385 ppbv m
RT: 4.97 min Scan# 631
Delta R.T. 0.00 min
Lab File: VL033666.D
Acq: 6 May 2019 19:48

Tgt Ion	Ratio	Lower	Upper
96	100		
61	129.4	123.1	184.7
98	54.1	52.6	79.0





#23

Vinyl Acetate

Concen: 0.284 ppbv

RT: 5.15 min Scan# 689

Delta R.T. -0.00 min

Lab File: VL033666.D

Acq: 6 May 2019 19:48

Instrument :

MSVOA_L

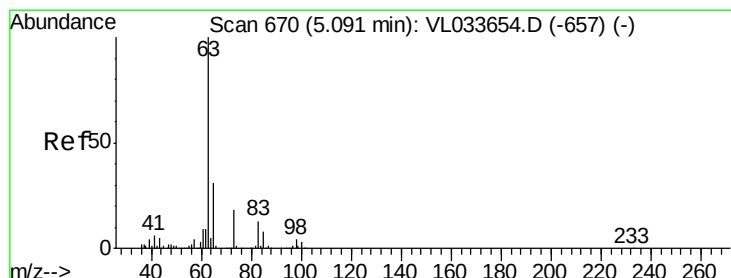
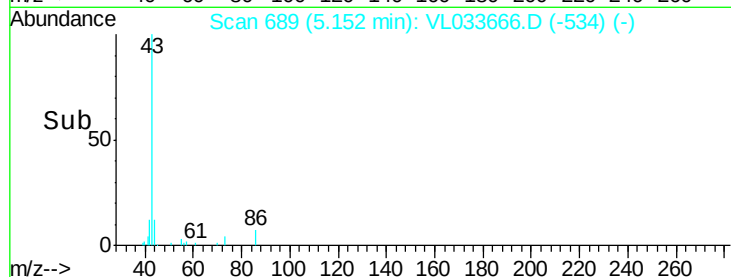
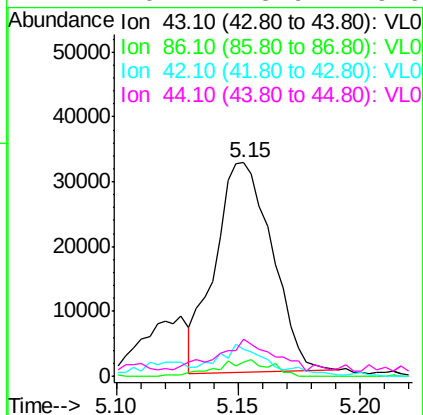
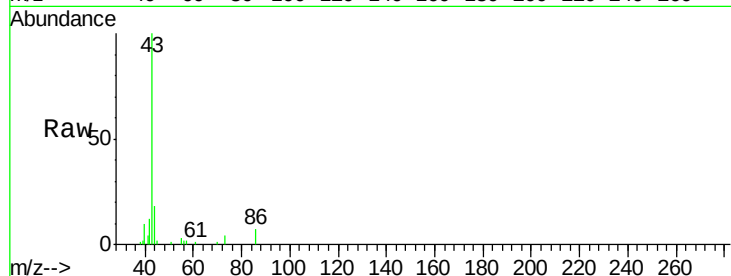
ClientSampleId :

LOD-MDL-AIR-01-QT2-2019

Tot Ion	43	Resp	52654
Ion Ratio	Lower	Upper	
43	100		
86	7.1	6.0	9.0
42	11.9	8.0	12.0
44	16.1	3.9	5.9#

Manual Integrations
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5/8/2019 12:06:58 PM



#24

1,1-Dichloroethane

Concen: 0.384 ppbv

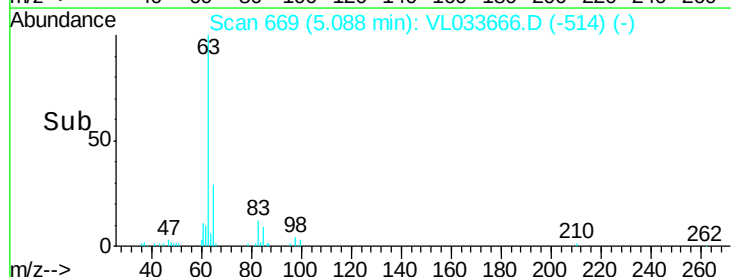
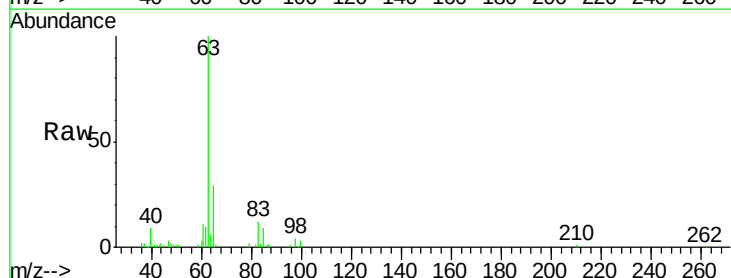
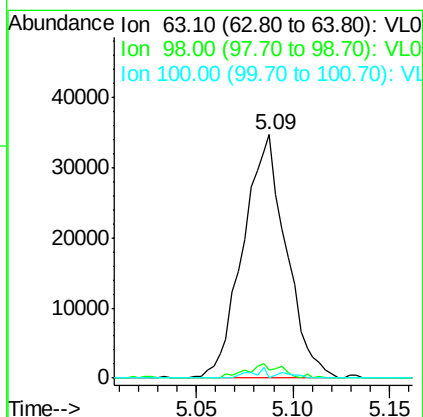
RT: 5.09 min Scan# 669

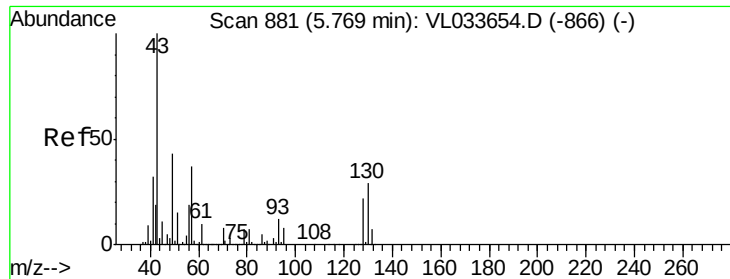
Delta R.T. -0.00 min

Lab File: VL033666.D

Acq: 6 May 2019 19:48

Tgt Ion	63	Resp	53855
Ion Ratio	Lower	Upper	
63	100		
98	3.5	2.1	6.2
100	0.0	1.5	4.4#





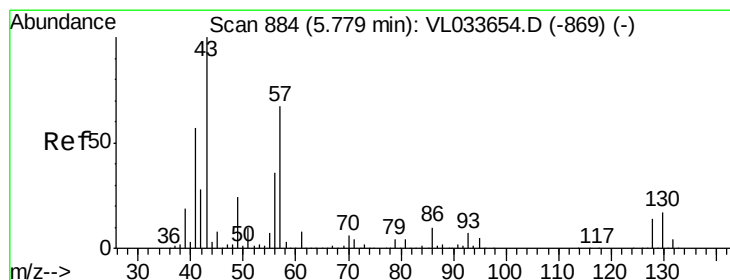
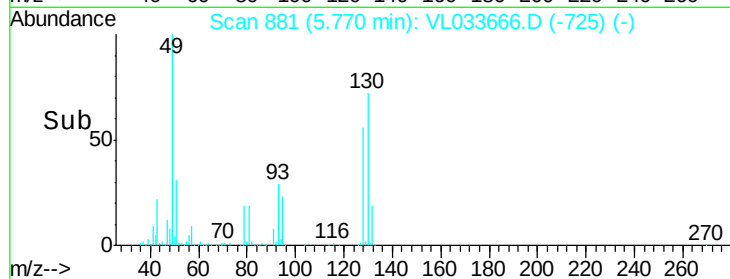
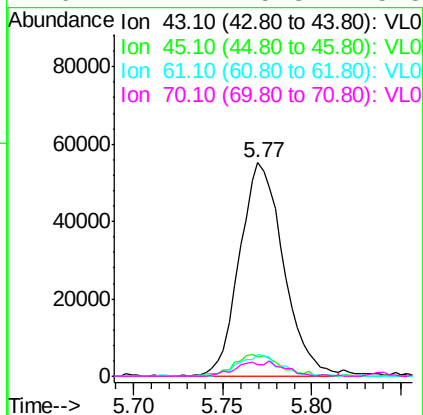
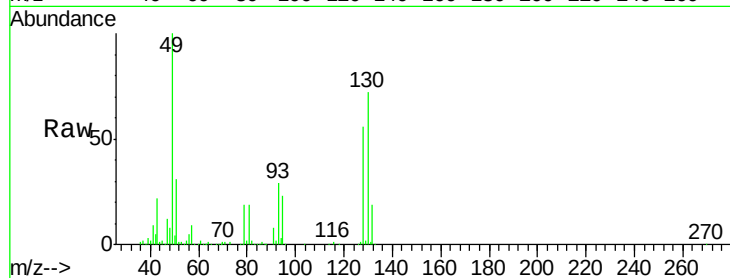
#25
Ethyl Acetate
Concen: 0.408 ppbv
RT: 5.77 min Scan# 881
Delta R.T. 0.00 min
Lab File: VL033666.D
Acq: 6 May 2019 19:48

Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT2-2019

Tot Ion	Ion	Ratio	Lower	Upper
43	100			
45	10.8	8.0	12.0	
61	9.8	7.5	11.3	
70	7.4	5.8	8.8	

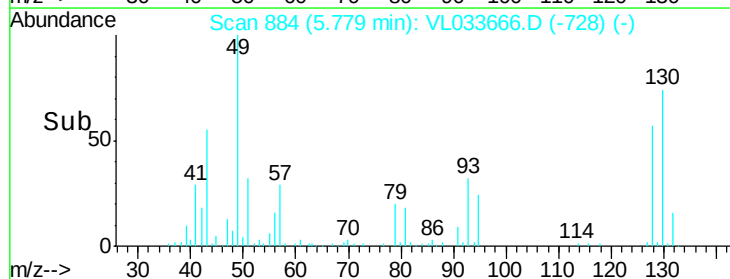
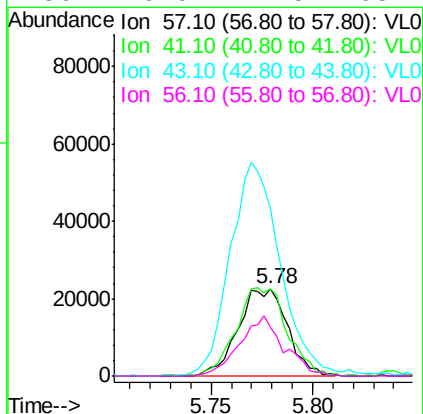
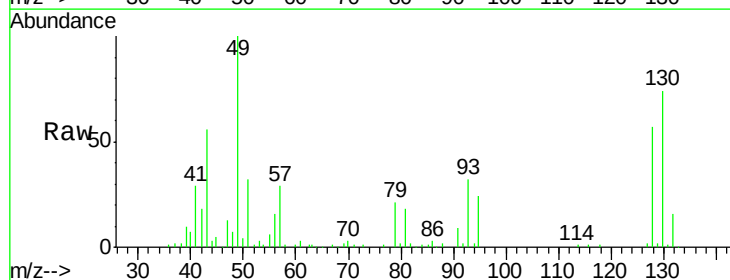
Manual Integrations
APPROVED

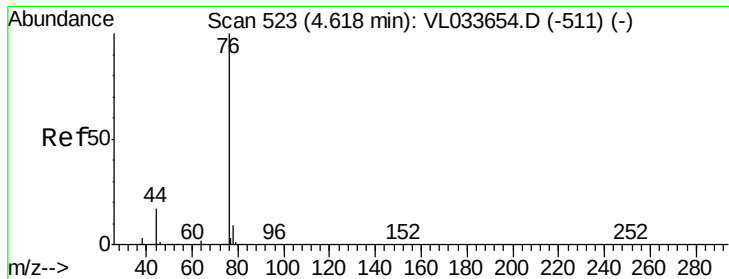
MMDadoda
5/8/2019 12:06:58 PM



#26
Hexane
Concen: 0.381 ppbv m
RT: 5.78 min Scan# 884
Delta R.T. 0.00 min
Lab File: VL033666.D
Acq: 6 May 2019 19:48

Tgt Ion	Ion	Ratio	Lower	Upper
57	100			
41	0.0	69.7	104.5#	
43	252.8	181.9	272.9	
56	0.0	42.5	63.7#	





#27

Carbon Disulfide

Concen: 0.341 ppbv

RT: 4.62 min Scan# 523

Delta R.T. 0.00 min

Lab File: VL033666.D

Acq: 6 May 2019 19:48

Instrument :

MSVOA_L

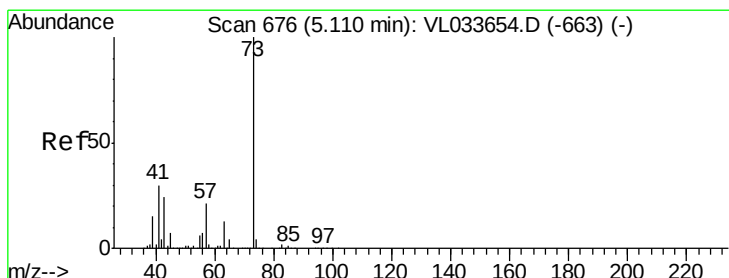
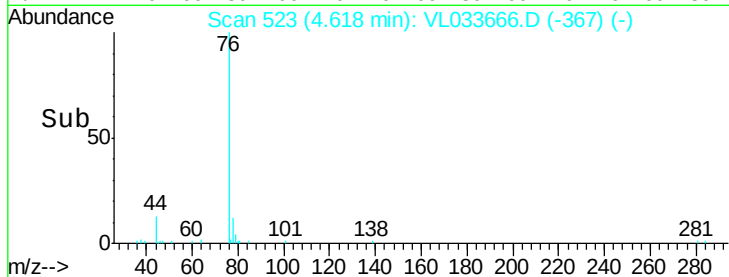
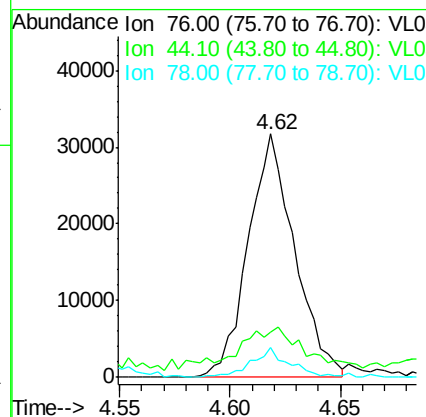
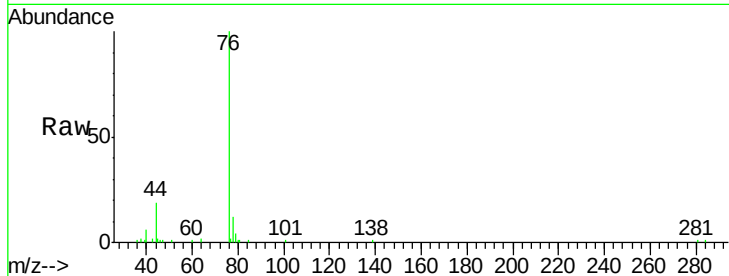
ClientSampleId :

LOD-MDL-AIR-01-QT2-2019

Tot Ion:	76	Resp:	46551
Ion Ratio	Lower	Upper	
76	100		
44	36.4	14.4	21.6#
78	10.6	7.4	11.2

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#28

Methyl tert-Butyl Ether

Concen: 0.289 ppbv

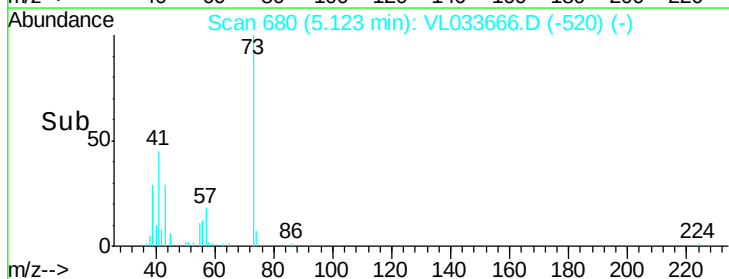
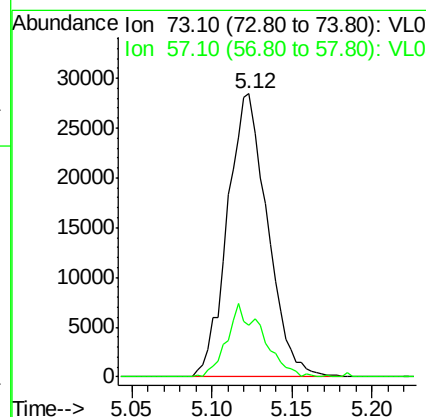
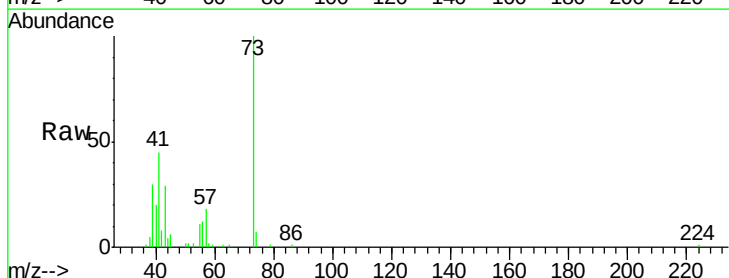
RT: 5.12 min Scan# 680

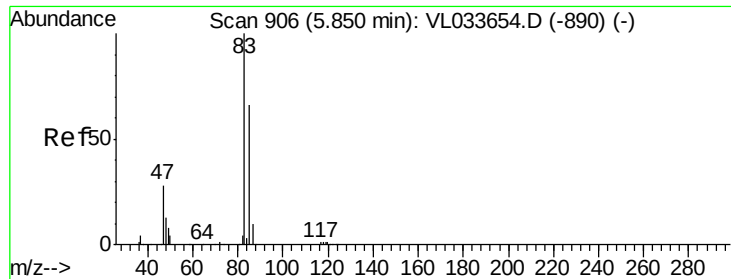
Delta R.T. 0.01 min

Lab File: VL033666.D

Acq: 6 May 2019 19:48

Tgt Ion:	73	Resp:	48560
Ion Ratio	Lower	Upper	
73	100		
57	23.0	17.4	26.0





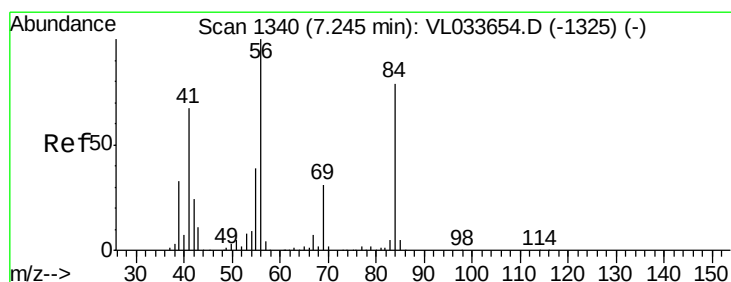
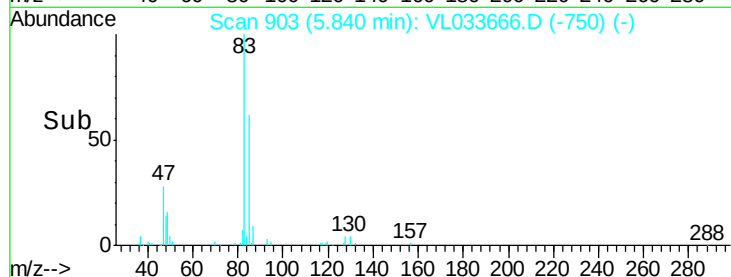
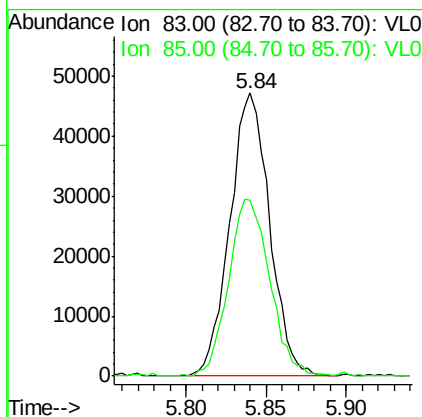
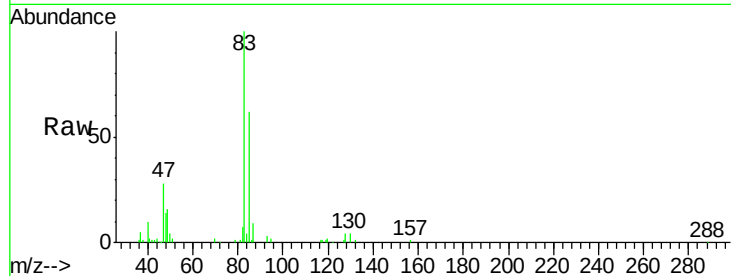
#29
Chloroform
Concen: 0.444 ppbv
RT: 5.84 min Scan# 903
Delta R.T. -0.01 min
Lab File: VL033666.D
Acq: 6 May 2019 19:48

Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT2-2019

Tot Ion: 83 Resp: 79808
Ion Ratio Lower Upper
83 100
85 61.8 52.6 78.8

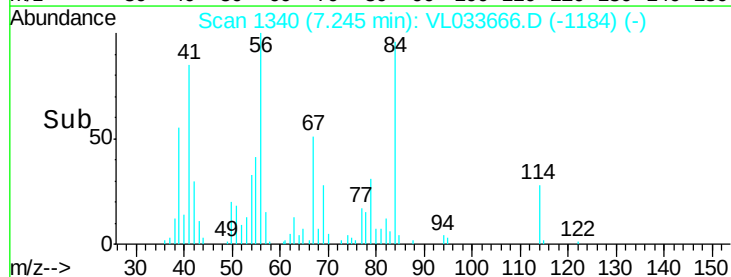
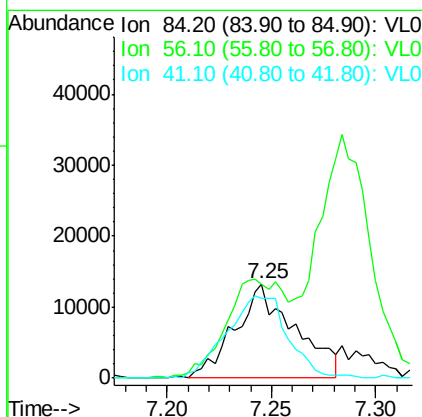
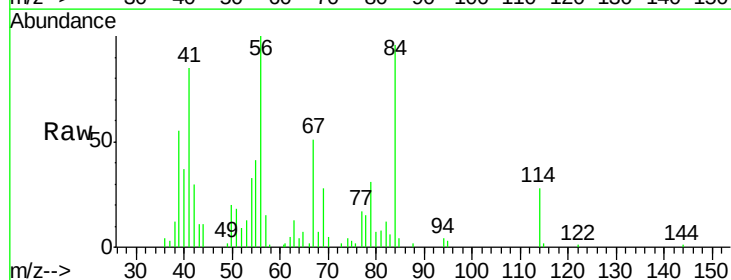
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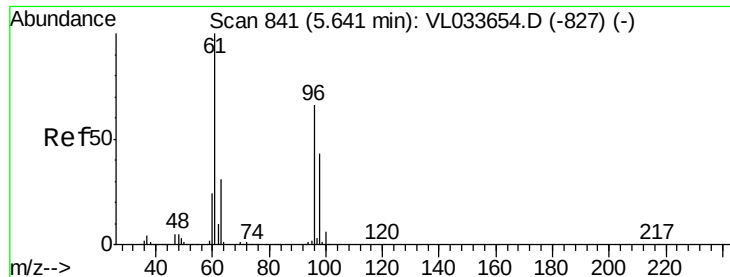
MMDadoda
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#30
Cyclohexane
Concen: 0.314 ppbv m
RT: 7.25 min Scan# 1340
Delta R.T. 0.00 min
Lab File: VL033666.D
Acq: 6 May 2019 19:48

Tgt Ion: 84 Resp: 26381
Ion Ratio Lower Upper
84 100
56 0.0 107.0 160.4#
41 90.8 66.6 99.8





#31

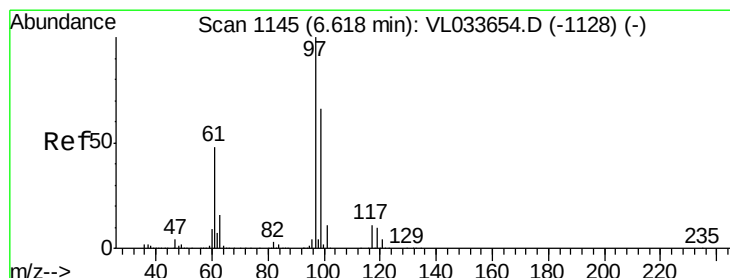
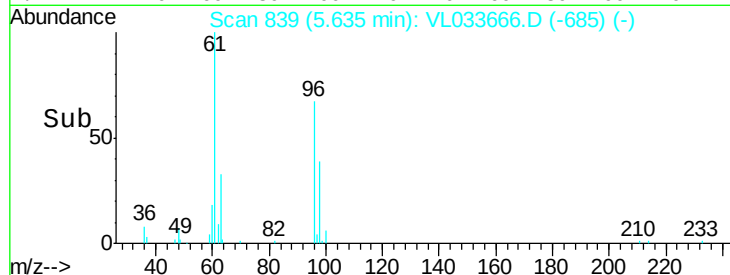
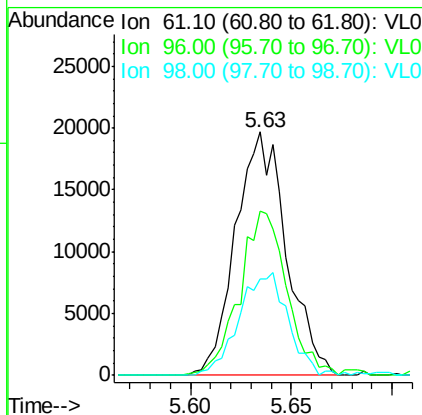
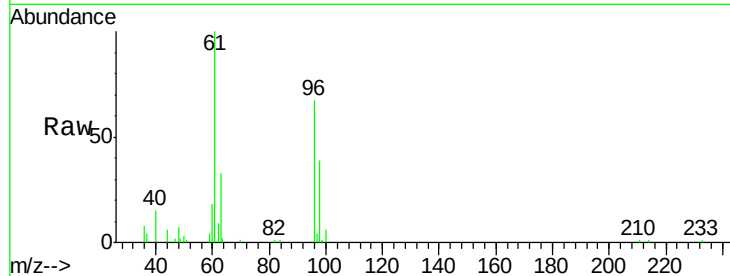
cis-1,2-Dichloroethene
Concen: 0.348 ppbv
RT: 5.63 min Scan# 839
Delta R.T. -0.01 min
Lab File: VL033666.D
Acq: 6 May 2019 19:48

Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT2-2019

Tot Ion	Ratio	Lower	Upper
61	100		
96	67.4	53.2	79.8
98	39.7	34.2	51.4

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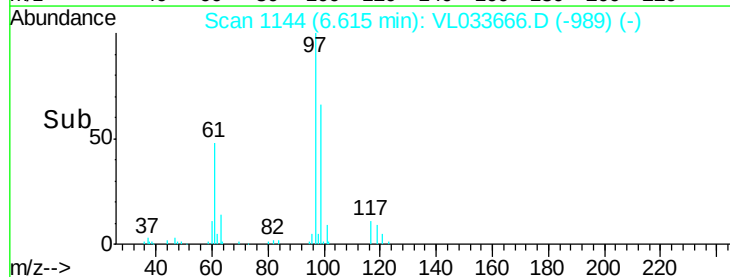
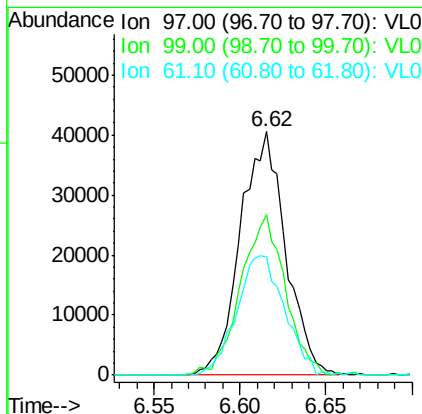
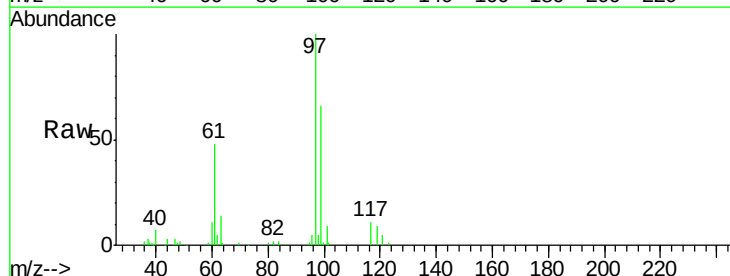
MMDadoda
5/8/2019 12:06:58 PM

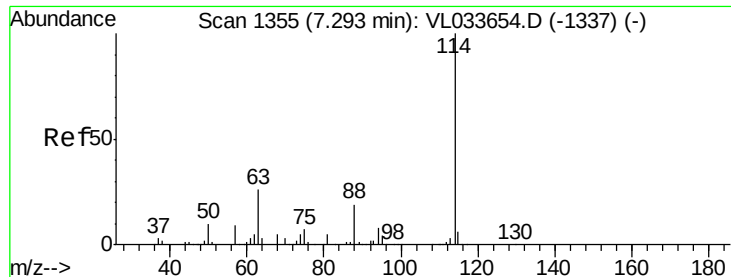


#32

1,1,1-Trichloroethane
Concen: 0.398 ppbv
RT: 6.62 min Scan# 1144
Delta R.T. -0.00 min
Lab File: VL033666.D
Acq: 6 May 2019 19:48

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.8	51.4	77.2
61	52.1	38.5	57.7





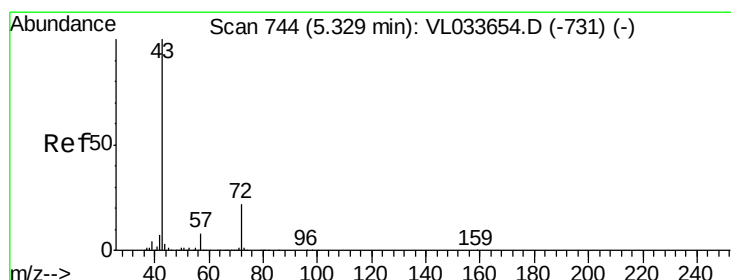
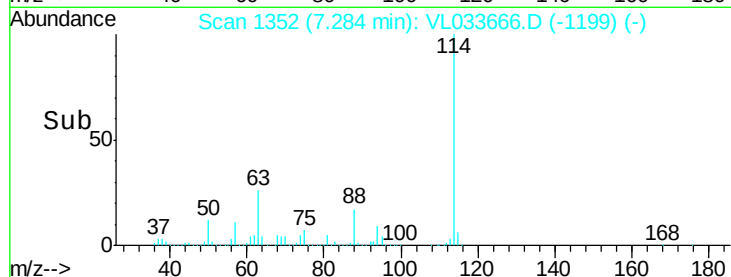
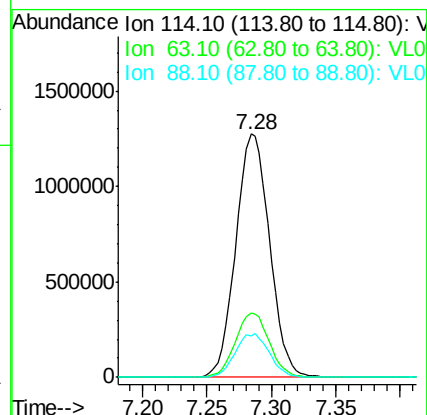
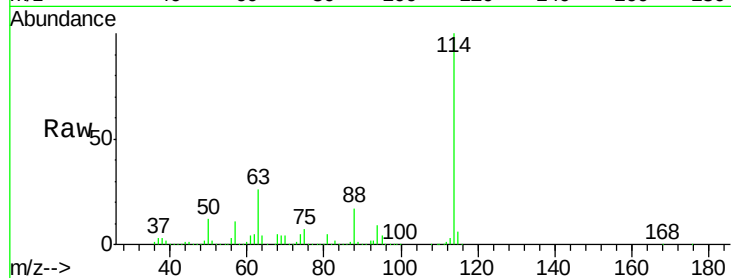
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.28 min Scan# 1352
 Delta R.T. -0.01 min
 Lab File: VL033666.D
 Acq: 6 May 2019 19:48

Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT2-2019

Tot Ion	Ratio	Lower	Upper
114	100		
63	26.7	21.3	31.9
88	18.1	14.4	21.6

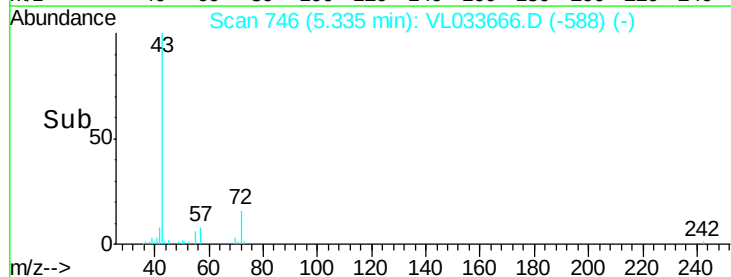
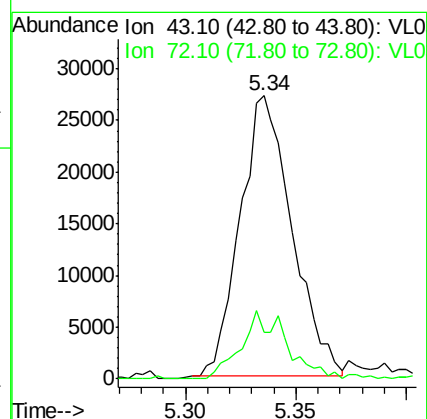
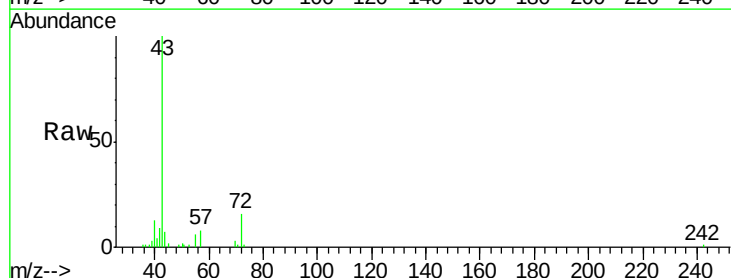
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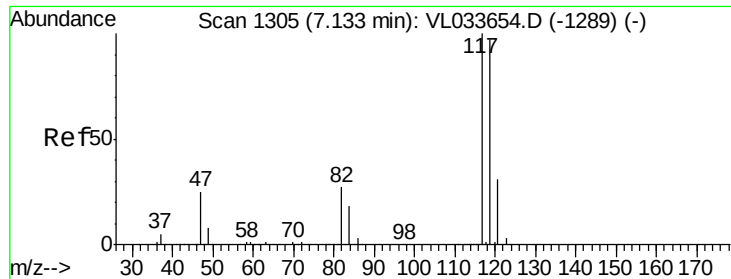
MMDadoda
 5/8/2019 12:06:58 PM



#34
 2-Butanone
 Concen: 0.298 ppbv
 RT: 5.34 min Scan# 746
 Delta R.T. 0.01 min
 Lab File: VL033666.D
 Acq: 6 May 2019 19:48

Tgt Ion	Ratio	Lower	Upper
43	100		
72	21.5	17.5	26.3





#35

Carbon Tetrachloride

Concen: 0.426 ppbv

RT: 7.13 min Scan# 1304

Delta R.T. -0.00 min

Lab File: VL033666.D

Acq: 6 May 2019 19:48

Instrument :

MSVOA_L

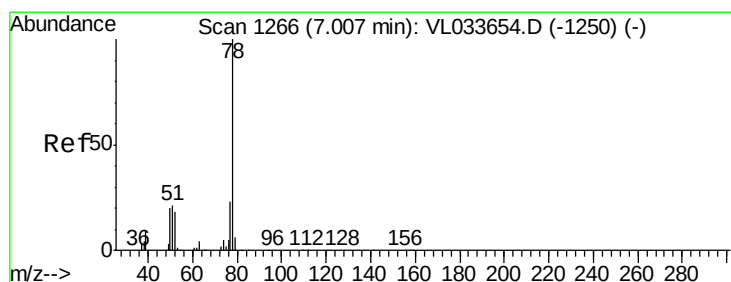
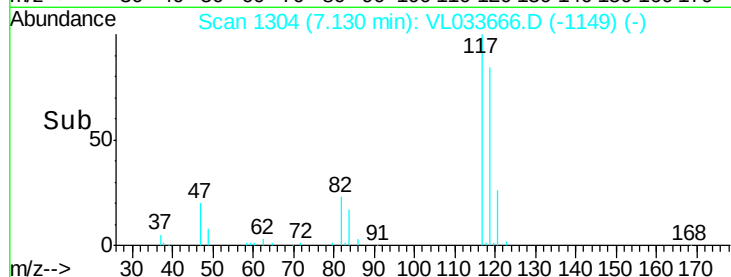
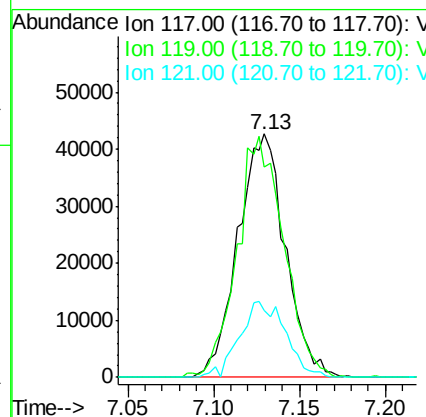
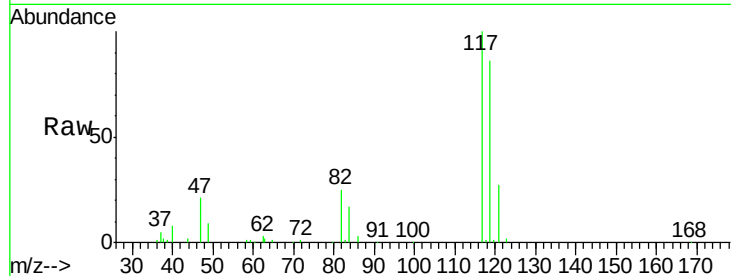
ClientSampleId :

LOD-MDL-AIR-01-QT2-2019

Tot Ion:	117	Resp:	81336
Ion Ratio	Lower	Upper	
117	100		
119	86.8	77.9	116.9
121	27.2	25.0	37.6

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#36

Benzene

Concen: 0.313 ppbv

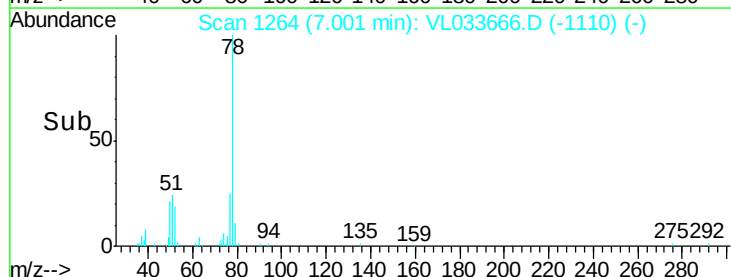
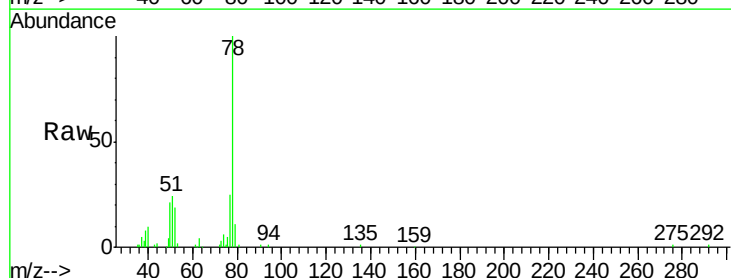
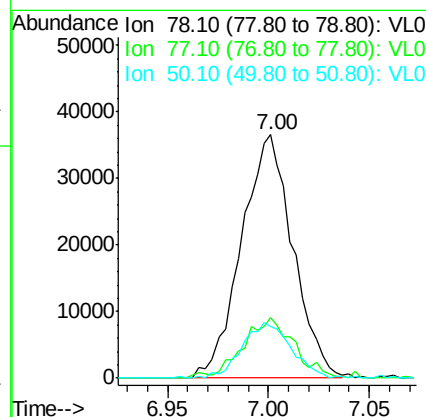
RT: 7.00 min Scan# 1264

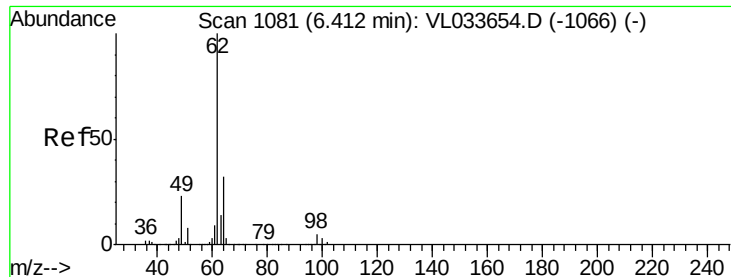
Delta R.T. -0.01 min

Lab File: VL033666.D

Acq: 6 May 2019 19:48

Tgt Ion:	78	Resp:	65172
Ion Ratio	Lower	Upper	
78	100		
77	24.1	18.2	27.2
50	21.4	15.8	23.6





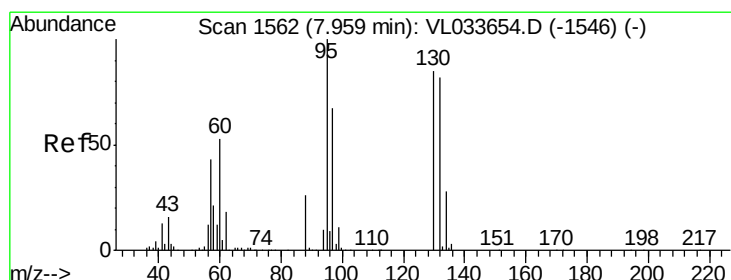
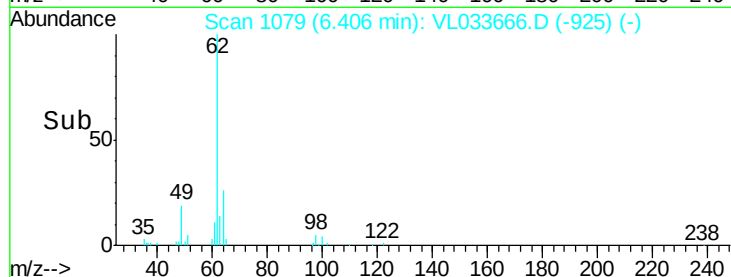
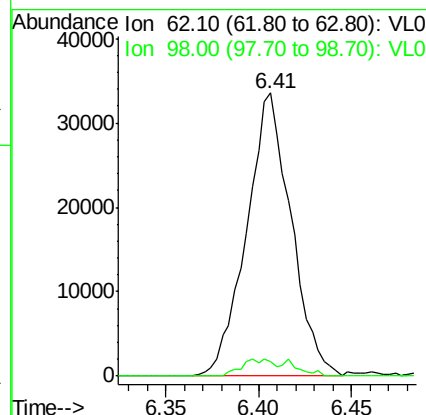
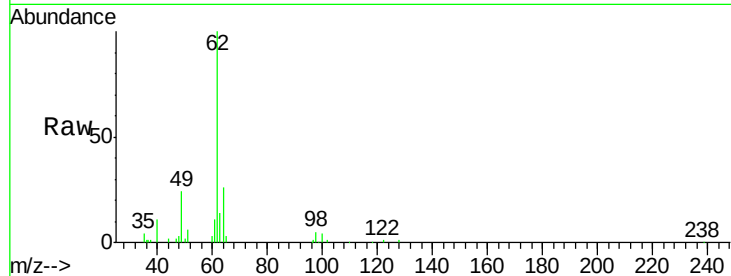
#37
 1,2-Dichloroethane
 Concen: 0.385 ppbv
 RT: 6.41 min Scan# 1079
 Delta R.T. -0.01 min
 Lab File: VL033666.D
 Acq: 6 May 2019 19:48

Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT2-2019

Tot Ion	Ratio	Resp	Lower	Upper
62	100	55942		
98	6.5		4.5	6.7

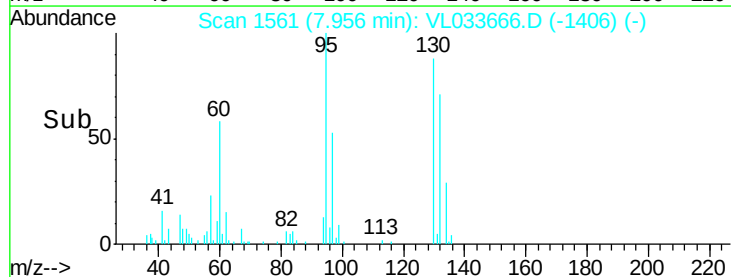
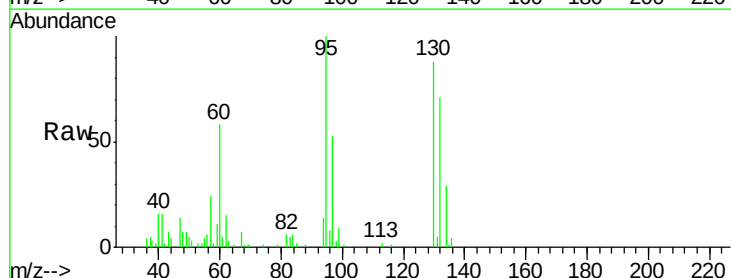
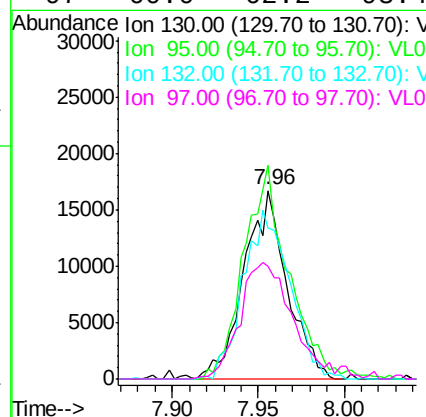
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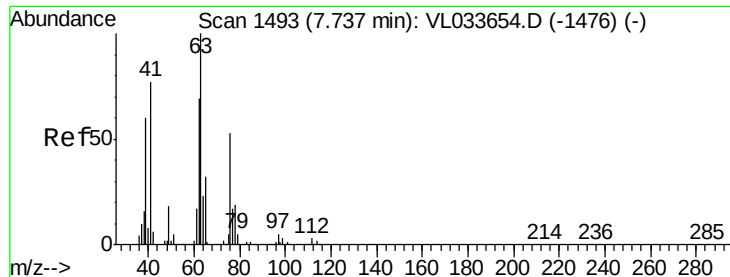
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#38
 Trichloroethene
 Concen: 0.380 ppbv m
 RT: 7.96 min Scan# 1561
 Delta R.T. -0.00 min
 Lab File: VL033666.D
 Acq: 6 May 2019 19:48

Tgt Ion	Ratio	Resp	Lower	Upper
130	100	29052		
95	113.2		93.4	140.0
132	80.1		76.2	114.4
97	60.0		62.2	93.4#





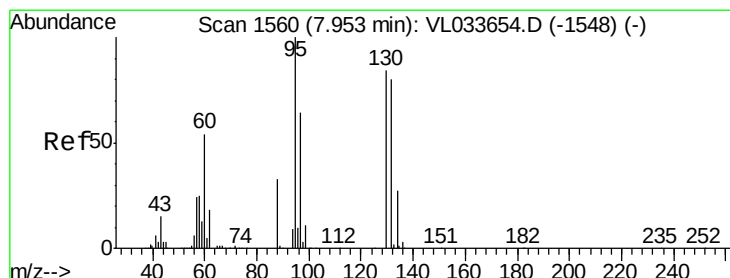
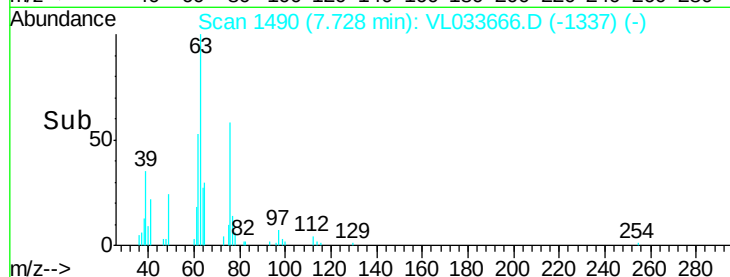
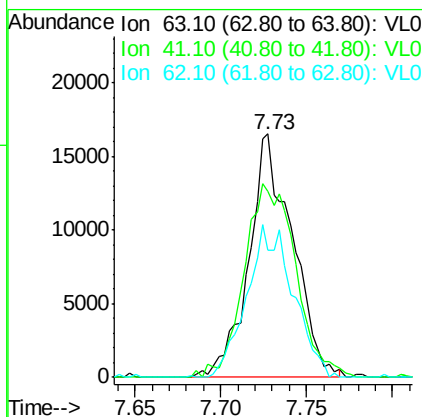
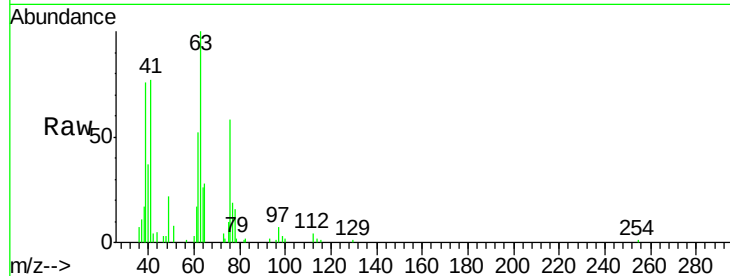
#39
 1,2-Dichloropropane
 Concen: 0.373 ppbv m
 RT: 7.73 min Scan# 1490
 Delta R.T. -0.01 min
 Lab File: VL033666.D
 Acq: 6 May 2019 19:48

Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT2-2019

Tot Ion	Ratio	Lower	Upper
63	100		
41	76.5	61.6	92.4
62	52.3	55.0	82.6#

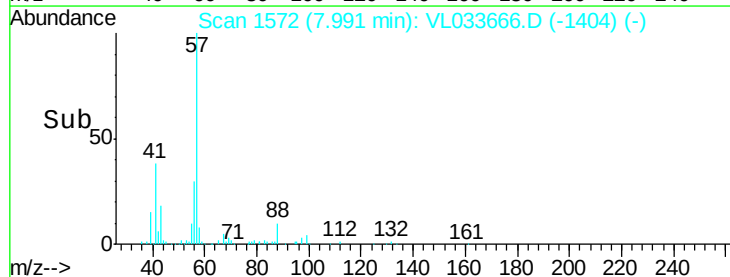
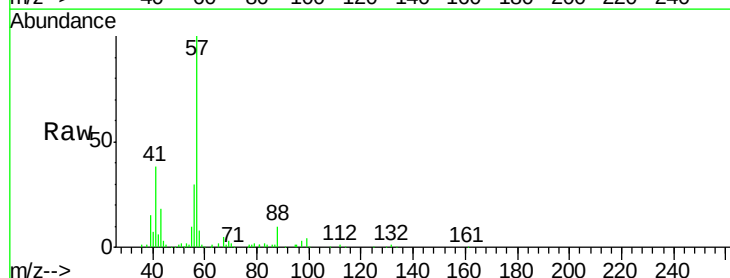
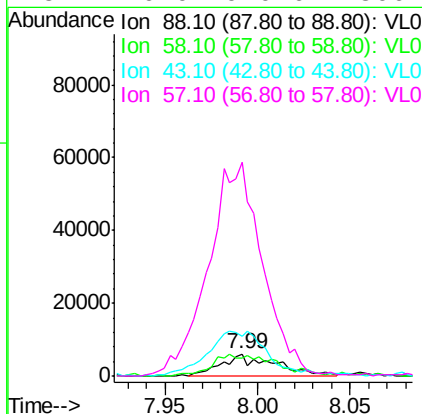
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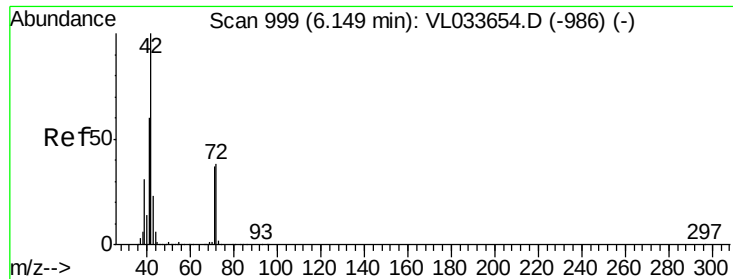
MMDadoda
 5/8/2019 12:06:58 PM



#40
 1,4-Dioxane
 Concen: 0.394 ppbv m
 RT: 7.99 min Scan# 1572
 Delta R.T. 0.04 min
 Lab File: VL033666.D
 Acq: 6 May 2019 19:48

Tgt Ion	Ratio	Lower	Upper
88	100		
58	0.0	102.3	153.5#
43	0.0	206.1	309.1#
57	0.0	910.6	1366.0#





#41

Tetrahydrofuran

Concen: 0.288 ppbv

RT: 6.17 min Scan# 1005

Delta R.T. 0.02 min

Lab File: VL033666.D

Acq: 6 May 2019 19:48

Instrument :

MSVOA_L

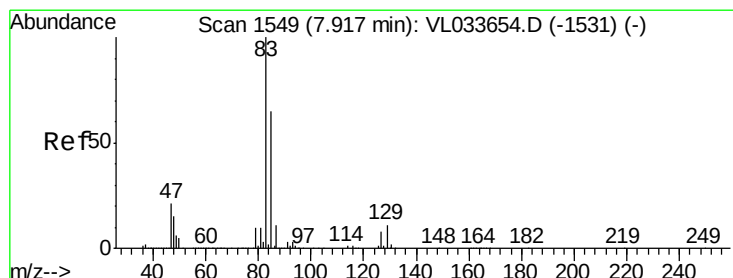
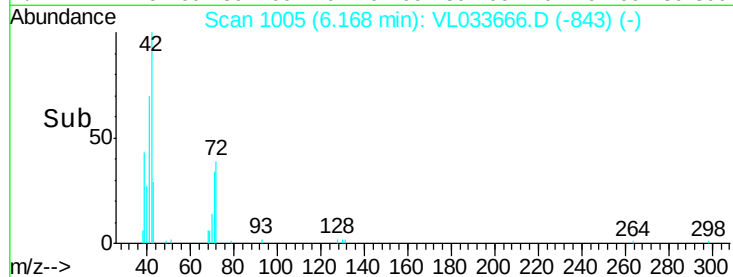
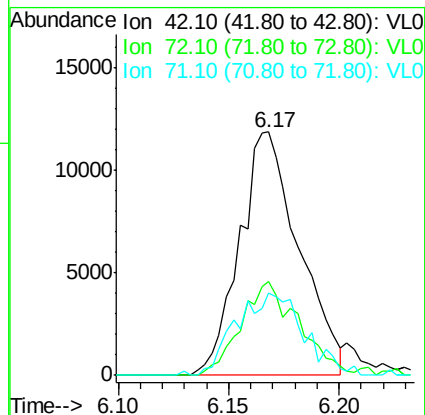
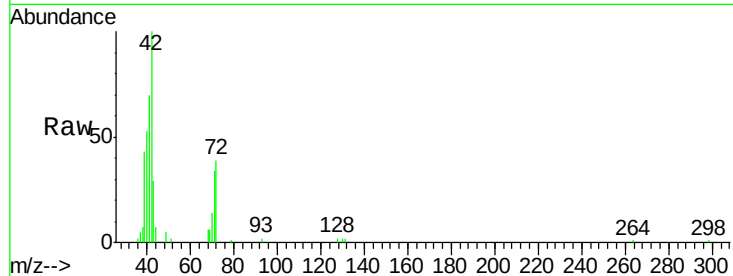
ClientSampleId :

LOD-MDL-AIR-01-QT2-2019

Tot Ion:	42	Resp:	22174
Ion	Ratio	Lower	Upper
42	100		
72	39.0	31.6	47.4
71	38.7	30.6	46.0

Manual Integrations
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#42

Bromodichloromethane

Concen: 0.393 ppbv

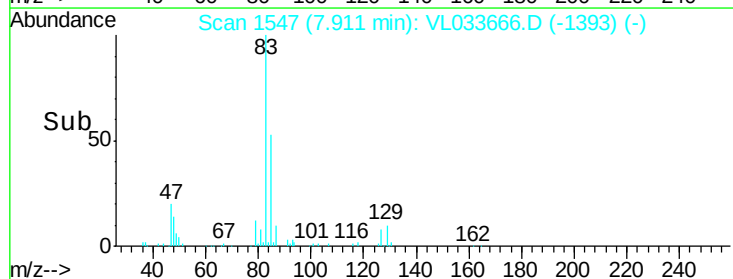
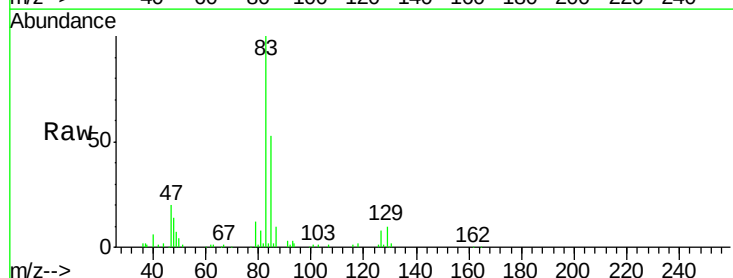
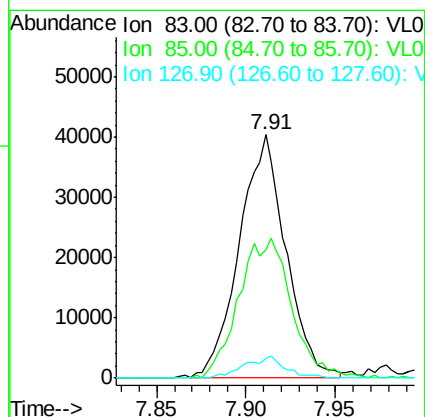
RT: 7.91 min Scan# 1547

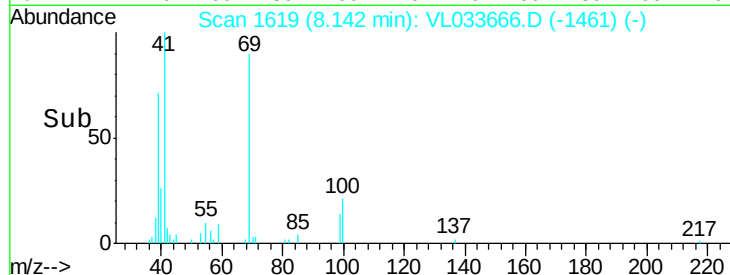
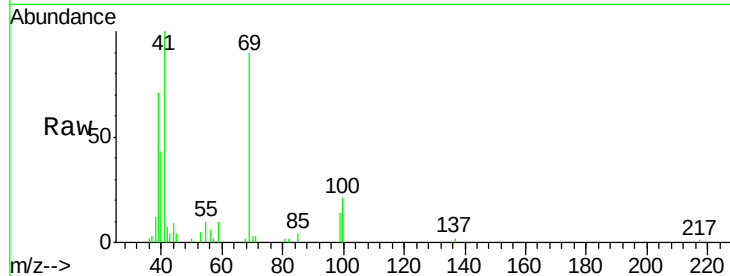
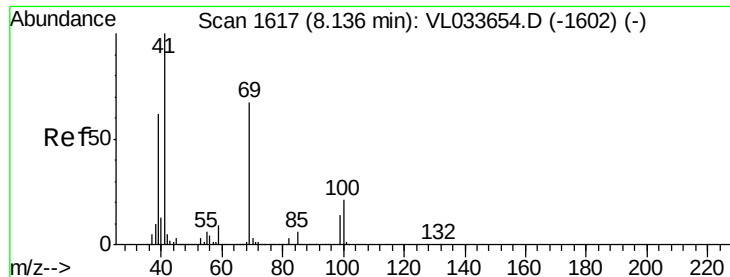
Delta R.T. -0.01 min

Lab File: VL033666.D

Acq: 6 May 2019 19:48

Tgt Ion:	83	Resp:	73724
Ion	Ratio	Lower	Upper
83	100		
85	53.0	52.4	78.6
127	9.0	6.6	9.8





#43

Methyl Methacrylate

Concen: 0.281 ppbv m

RT: 8.14 min Scan# 1619

Delta R.T. 0.01 min

Lab File: VL033666.D

Acq: 6 May 2019 19:48

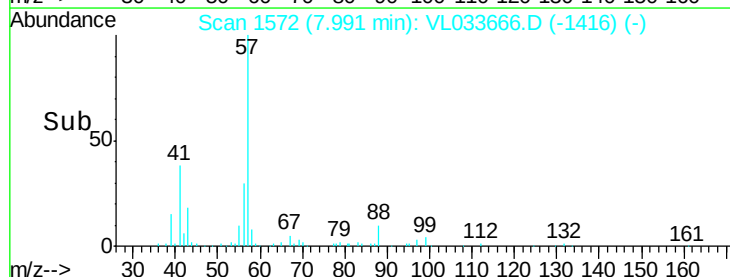
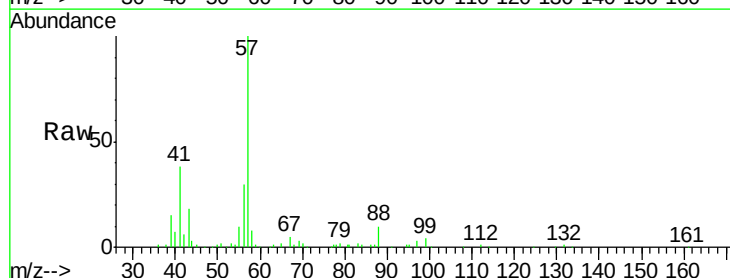
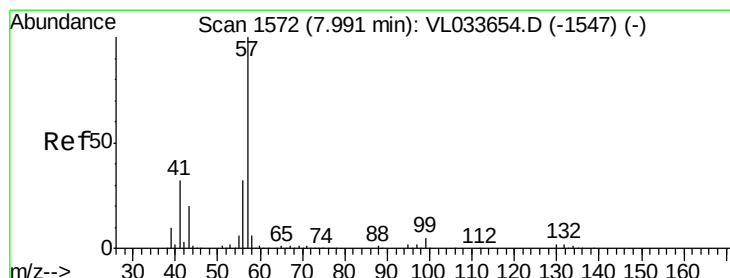
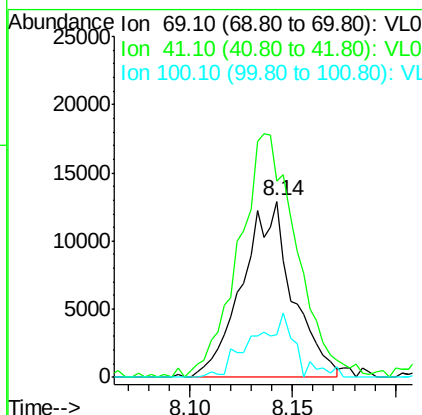
Tot Ion	Ratio	Lower	Upper
69	100		
41	159.7	116.6	175.0
100	0.0	24.6	37.0#

Instrument :
MSVOA_L

ClientSampleId :
LOD-MDL-AIR-01-QT2-2019

Manual Integrations
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MMDadoda
5/8/2019 12:06:58 PM



#44

2,2,4-Trimethylpentane

Concen: 0.337 ppbv m

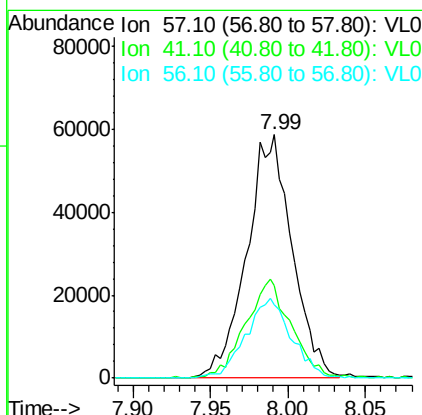
RT: 7.99 min Scan# 1572

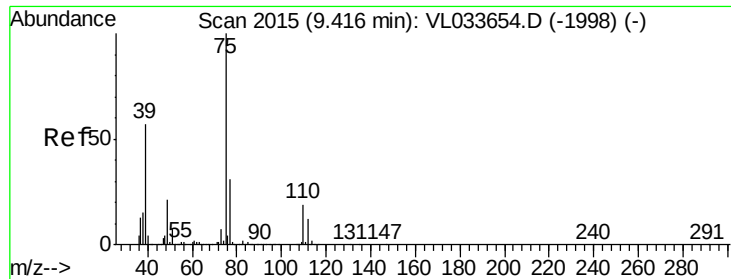
Delta R.T. 0.00 min

Lab File: VL033666.D

Acq: 6 May 2019 19:48

Tgt Ion	Ratio	Lower	Upper
57	100		
41	0.0	25.7	38.5#
56	0.0	25.0	37.6#





#45

t-1,3-Dichloropropene

Concen: 0.257 ppbv m

RT: 9.41 min Scan# 2012

Delta R.T. -0.01 min

Lab File: VL033666.D

Acq: 6 May 2019 19:48

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT2-2019

Tot Ion: 75 Resp: 24743

Ion Ratio Lower Upper

75 100

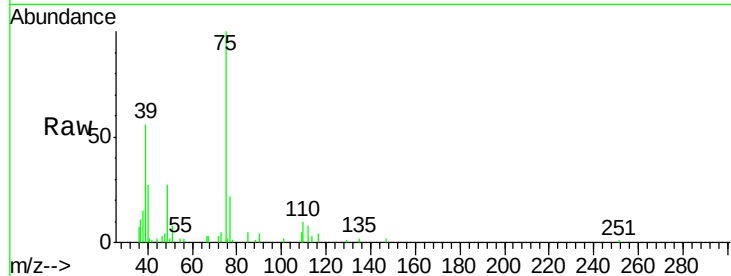
77 22.1 24.7 37.1#

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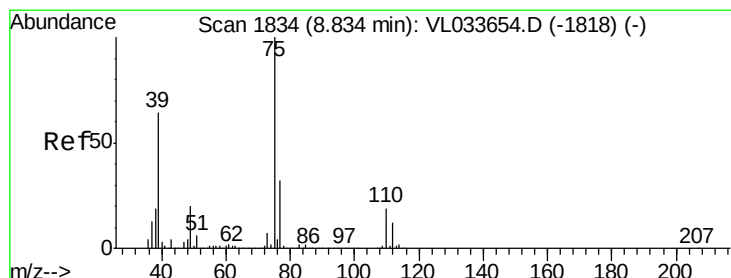
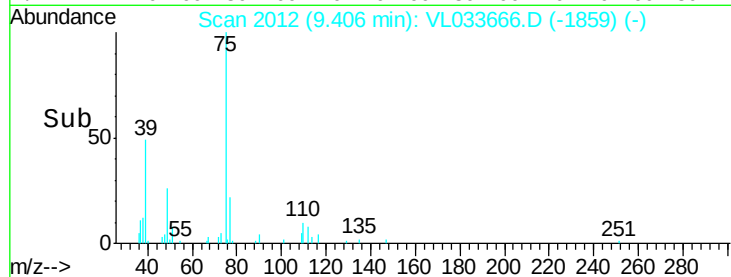
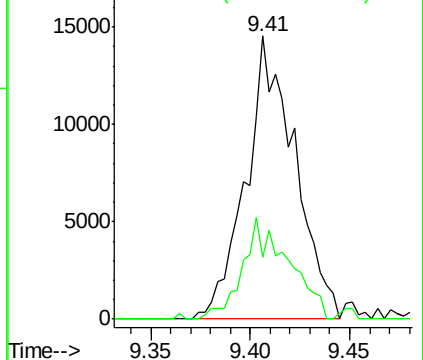
MMDadoda

5/8/2019 12:06:58 PM



Abundance Ion 75.10 (74.80 to 75.80): VL0

Ion 77.10 (76.80 to 77.80): VL0



#46

cis-1,3-Dichloropropene

Concen: 0.261 ppbv

RT: 8.83 min Scan# 1832

Delta R.T. -0.01 min

Lab File: VL033666.D

Acq: 6 May 2019 19:48

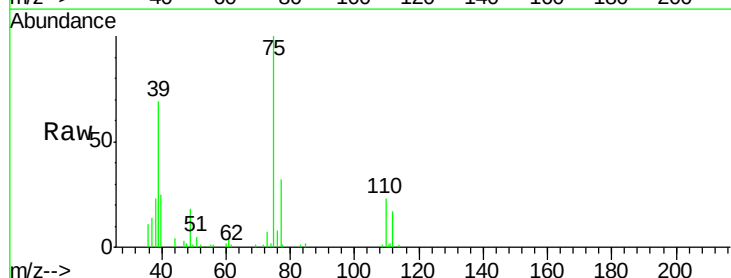
Tgt Ion: 75 Resp: 31308

Ion Ratio Lower Upper

75 100

39 68.1 51.5 77.3

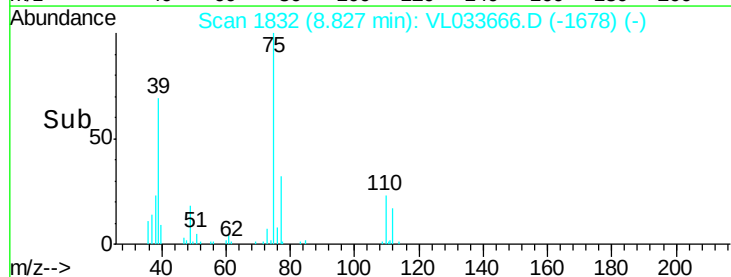
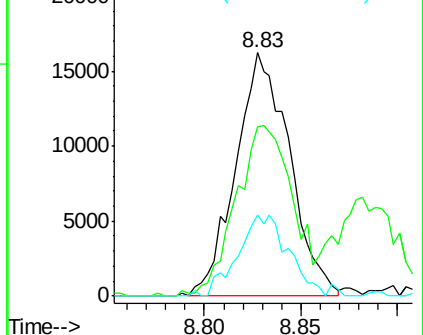
77 33.3 25.4 38.0

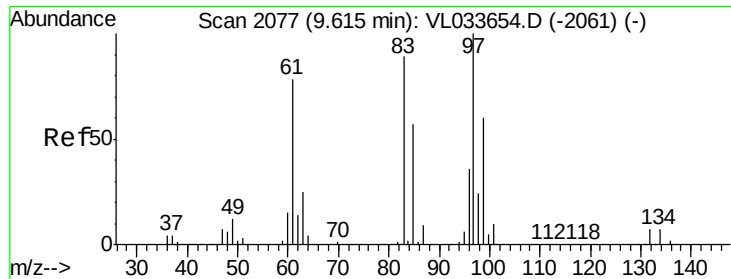


Abundance Ion 75.00 (74.70 to 75.70): VL0

Ion 39.00 (38.70 to 39.70): VL0

Ion 77.00 (76.70 to 77.70): VL0





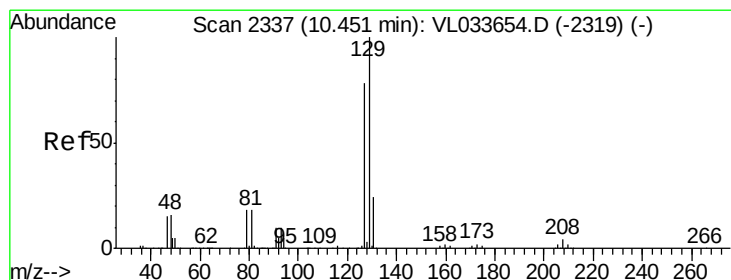
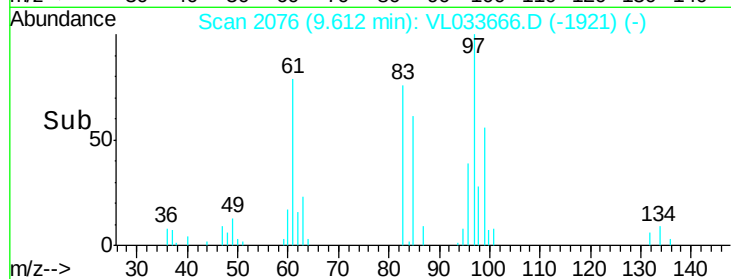
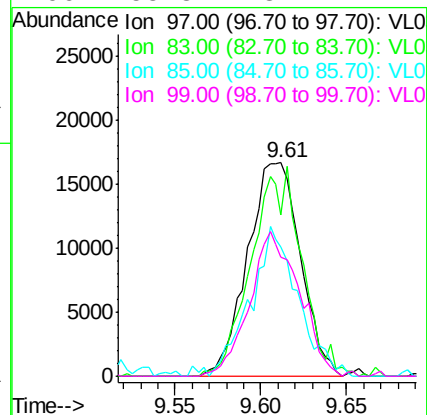
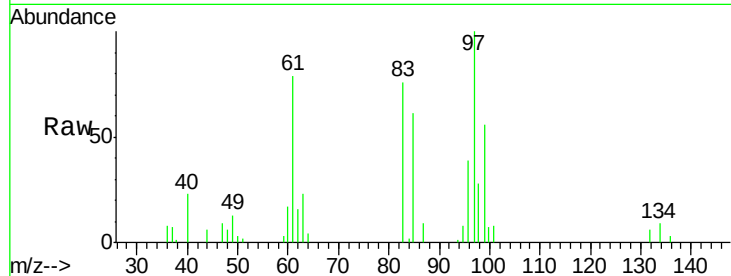
#47
 1,1,2-Trichloroethane
 Concen: 0.399 ppbv m
 RT: 9.61 min Scan# 2076
 Delta R.T. -0.00 min
 Lab File: VL033666.D
 Acq: 6 May 2019 19:48

Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT2-2019

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		35602		
83	75.5	70.9	106.3		
85	60.5	45.8	68.6		
99	55.8	48.2	72.4		

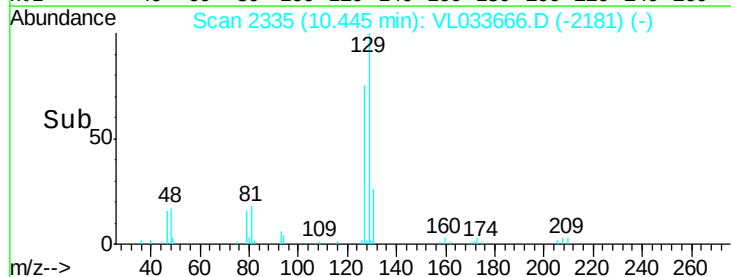
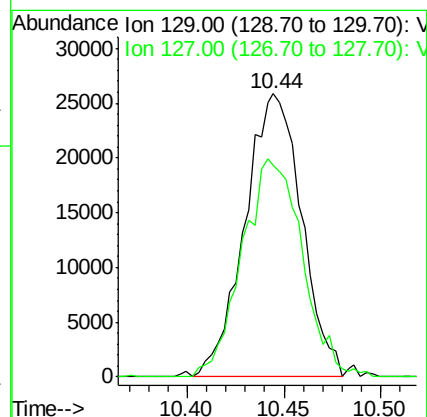
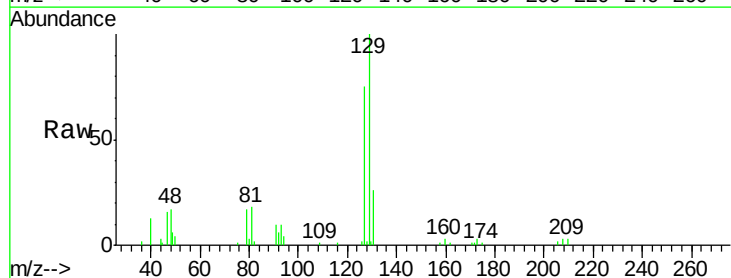
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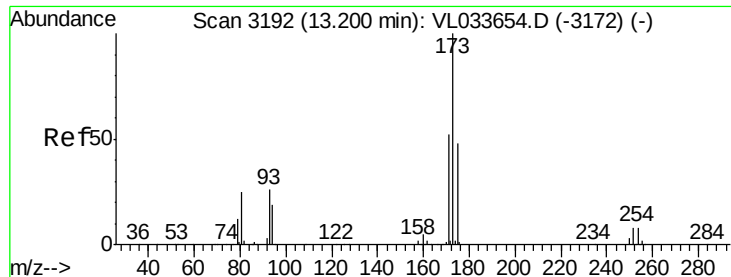
MMDadoda
 5/8/2019 12:06:58 PM



#48
 Dibromochloromethane
 Concen: 0.349 ppbv
 RT: 10.44 min Scan# 2335
 Delta R.T. -0.01 min
 Lab File: VL033666.D
 Acq: 6 May 2019 19:48

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
129	100		52839		
127	81.4	39.1	117.2		





#49

Bromoform

Concen: 0.337 ppbv

RT: 13.20 min Scan# 3191

Delta R.T. -0.00 min

Lab File: VL033666.D

Acq: 6 May 2019 19:48

Instrument :

MSVOA_L

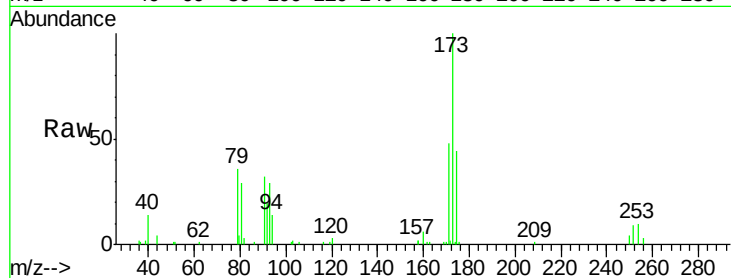
ClientSampleId :

LOD-MDL-AIR-01-QT2-2019

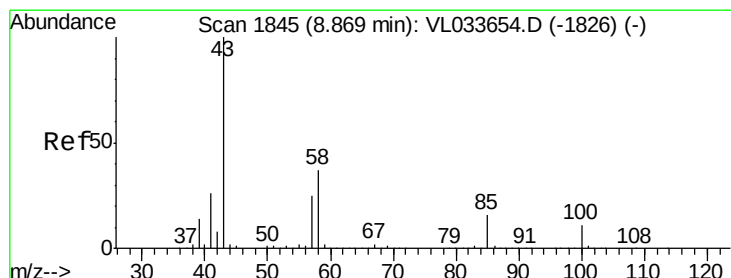
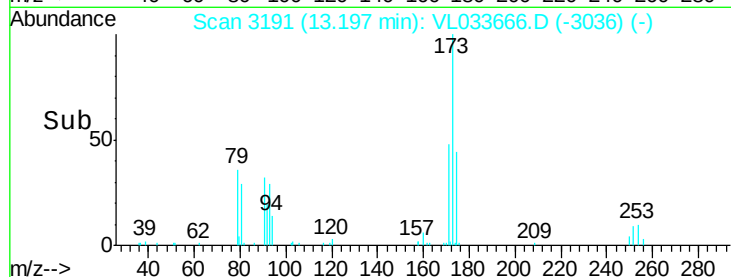
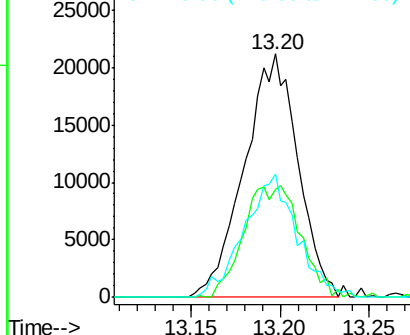
Tot Ion:	173	Resp:	44299
Ion	Ratio	Lower	Upper
173	100		
175	49.6	39.3	58.9
171	49.7	41.5	62.3

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Abundance Ion 172.90 (172.60 to 173.60): V
Ion 174.90 (174.60 to 175.60): V
Ion 170.90 (170.60 to 171.60): V



#50

4-Methyl-2-Pentanone

Concen: 0.326 ppbv

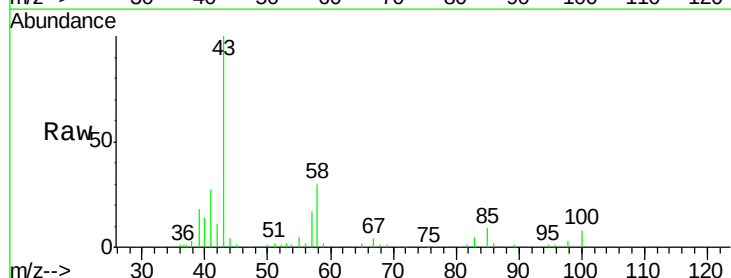
RT: 8.88 min Scan# 1849

Delta R.T. 0.01 min

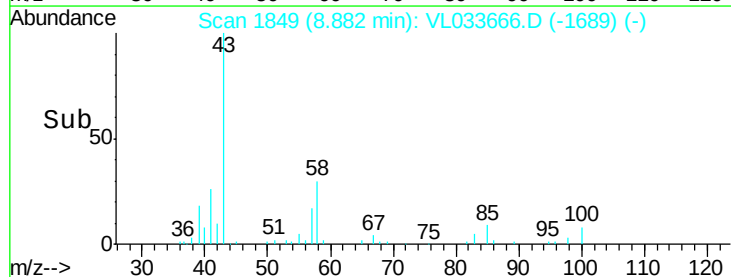
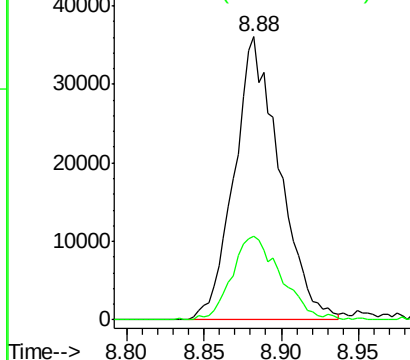
Lab File: VL033666.D

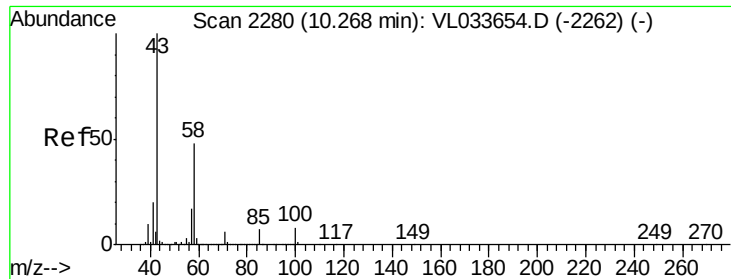
Acq: 6 May 2019 19:48

Tgt Ion:	43	Resp:	73516
Ion	Ratio	Lower	Upper
43	100		
58	31.8	28.8	43.2



Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 58.10 (57.80 to 58.80): VL0





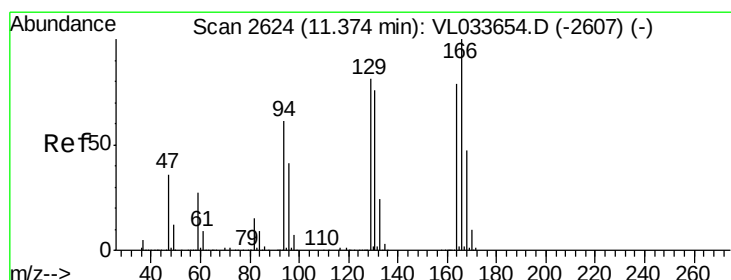
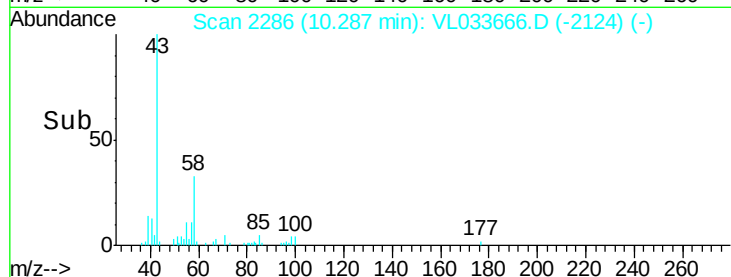
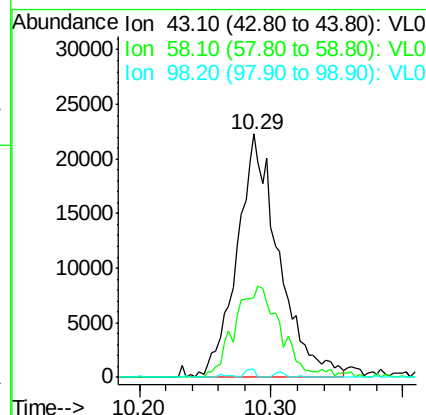
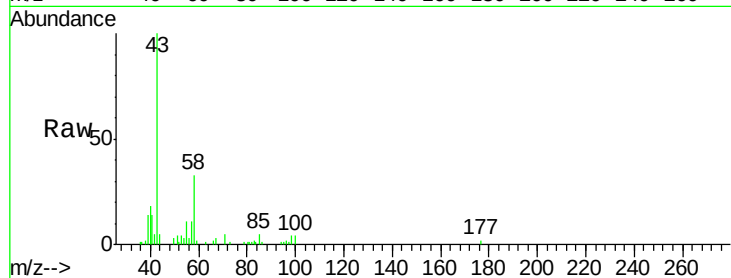
#51
2-Hexanone
Concen: 0.283 ppbv m
RT: 10.29 min Scan# 2286
Delta R.T. 0.02 min
Lab File: VL033666.D
Acq: 6 May 2019 19:48

Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT2-2019

Tot Ion	Ratio	Lower	Upper
43	100		
58	41.7	38.2	57.4
98	1.7	0.2	0.4

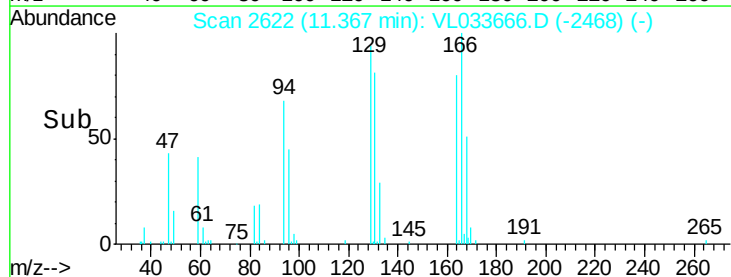
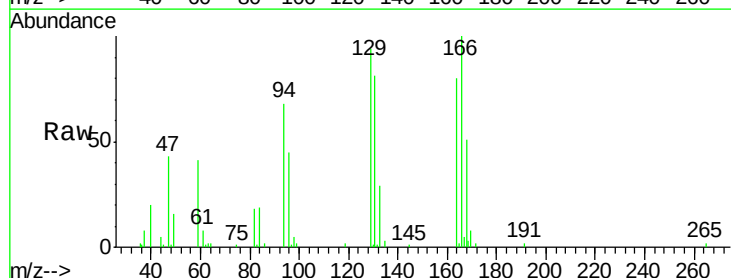
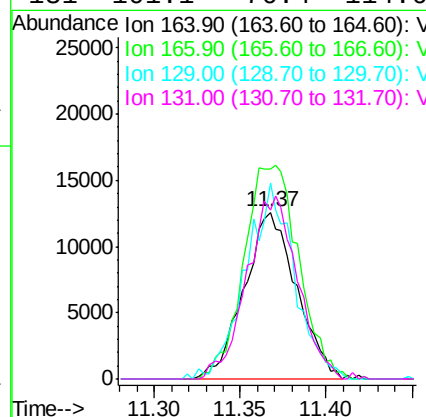
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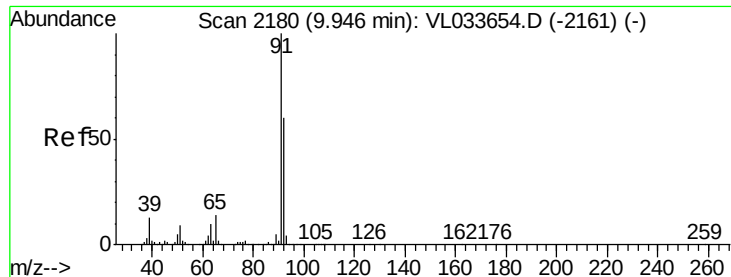
MMDadoda
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#52
Tetrachloroethene
Concen: 0.361 ppbv
RT: 11.37 min Scan# 2622
Delta R.T. -0.01 min
Lab File: VL033666.D
Acq: 6 May 2019 19:48

Tgt Ion	Ratio	Lower	Upper
164	100		
166	125.5	100.6	151.0
129	117.4	81.0	121.6
131	101.1	76.4	114.6





#53

Toluene

Concen: 0.275 ppbv

RT: 9.94 min Scan# 2178

Delta R.T. -0.01 min

Lab File: VL033666.D

Acq: 6 May 2019 19:48

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT2-2019

Tot Ion: 91 Resp: 61915

Ion Ratio Lower Upper

91 100

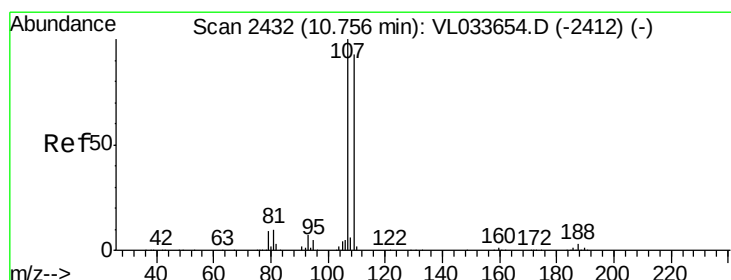
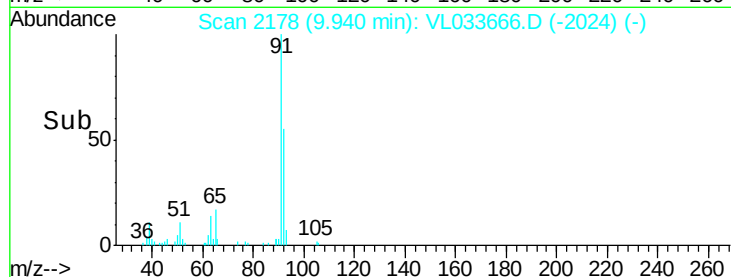
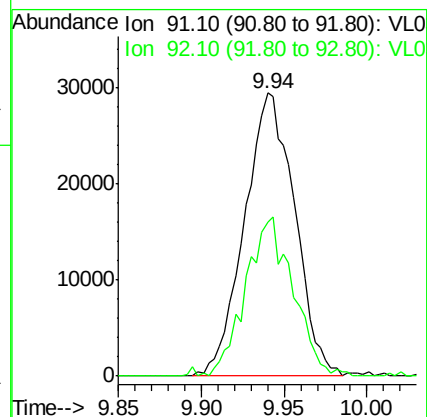
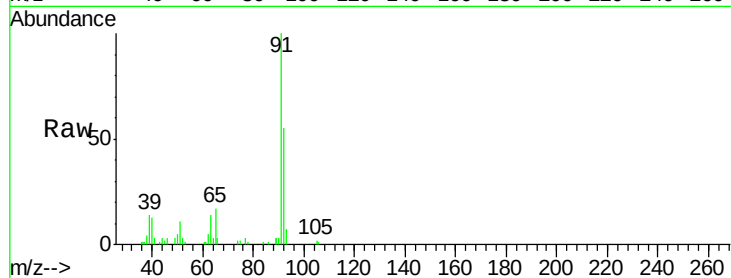
92 53.7 47.7 71.5

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#54

1,2-Dibromoethane

Concen: 0.362 ppbv

RT: 10.75 min Scan# 2430

Delta R.T. -0.01 min

Lab File: VL033666.D

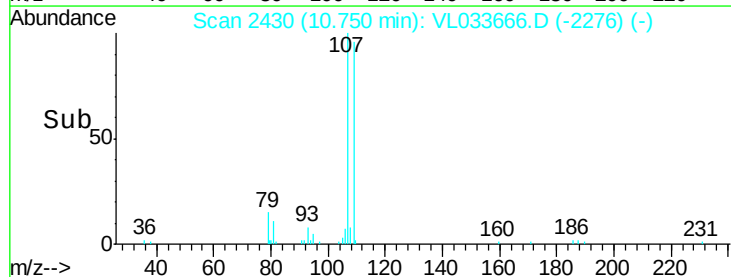
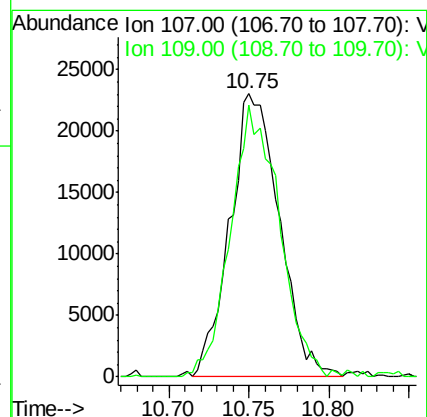
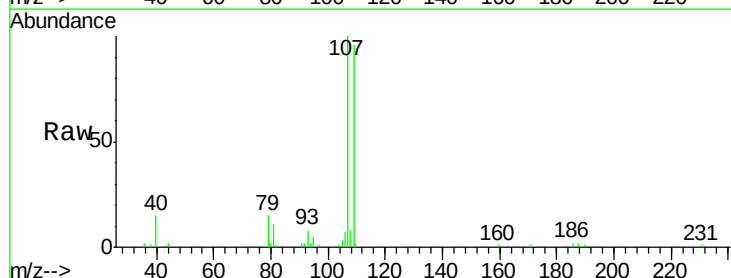
Acq: 6 May 2019 19:48

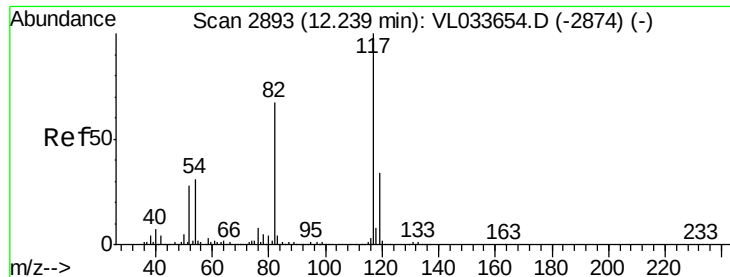
Tgt Ion: 107 Resp: 48609

Ion Ratio Lower Upper

107 100

109 90.1 74.6 111.8





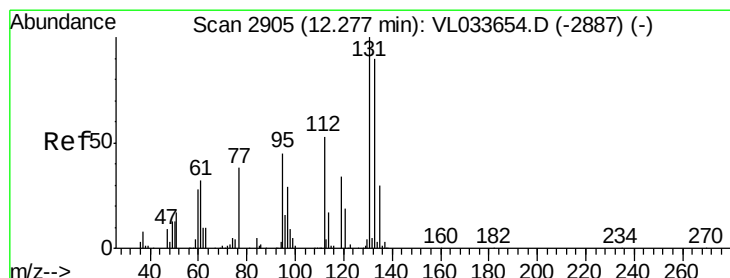
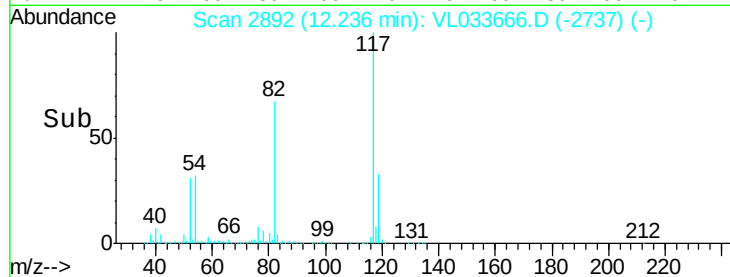
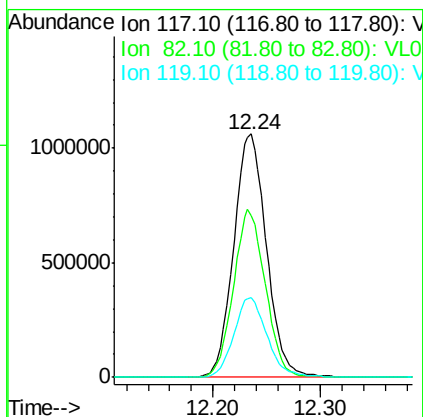
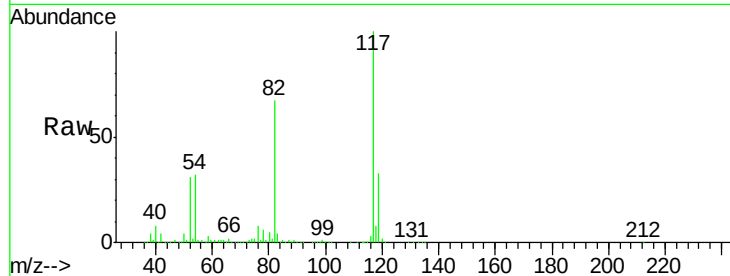
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.24 min Scan# 2892
Delta R.T. -0.00 min
Lab File: VL033666.D
Acq: 6 May 2019 19:48

Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT2-2019

Tot Ion	Ratio	Lower	Upper
117	100		
82	67.6	49.7	74.5
119	33.3	24.8	37.2

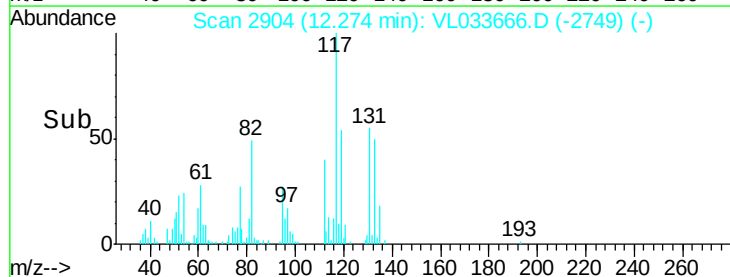
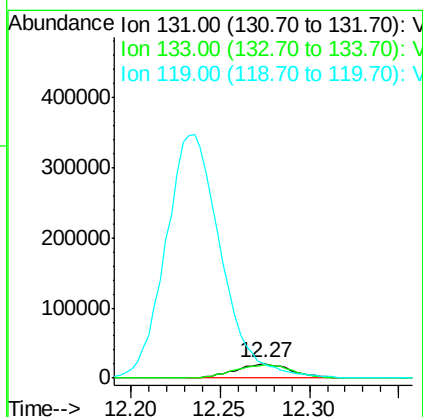
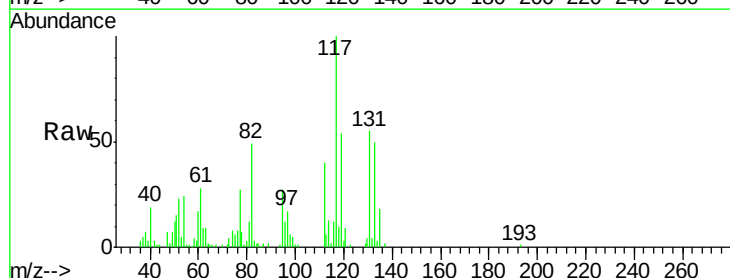
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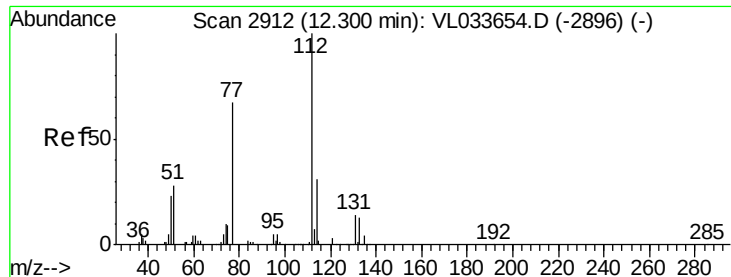
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#56
1,1,1,2-Tetrachloroethane
Concen: 0.431 ppbv
RT: 12.27 min Scan# 2904
Delta R.T. -0.00 min
Lab File: VL033666.D
Acq: 6 May 2019 19:48

Tgt Ion	Ratio	Lower	Upper
131	100		
133	98.0	76.0	114.0
119	1680.2	45.4	68.2#





#57

Chlorobenzene

Concen: 0.433 ppbv

RT: 12.29 min Scan# 2910

Delta R.T. -0.01 min

Lab File: VL033666.D

Acq: 6 May 2019 19:48

Instrument :

MSVOA_L

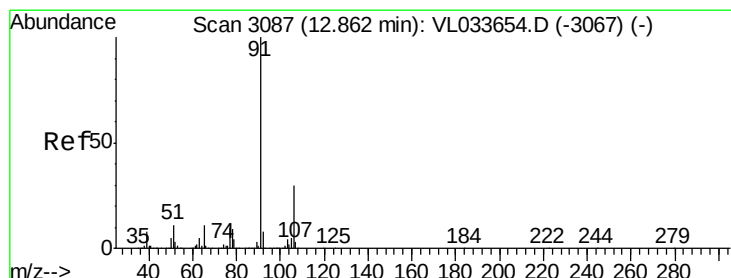
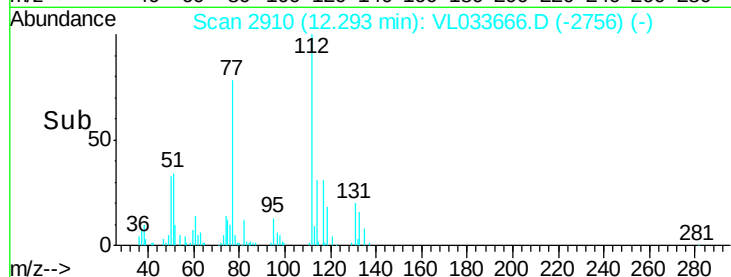
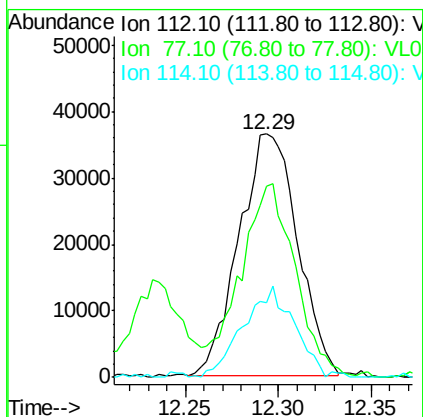
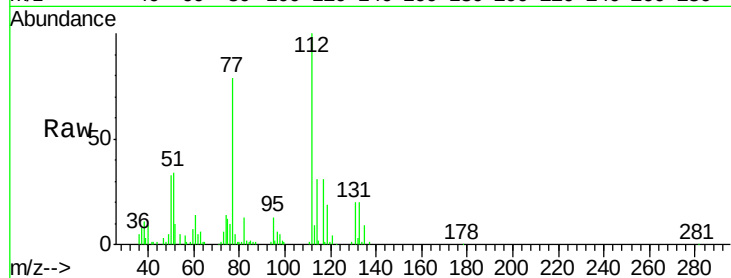
ClientSampleId :

LOD-MDL-AIR-01-QT2-2019

Tot Ion:	112	Resp:	79937
Ion Ratio	Lower	Upper	
112	100		
77	67.8	54.4	81.6
114	28.2	28.2	34.4

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#58

Ethyl Benzene

Concen: 0.303 ppbv

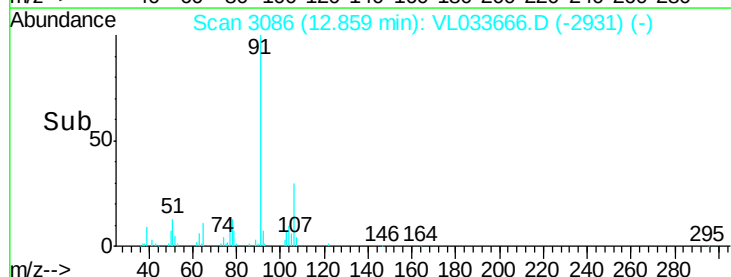
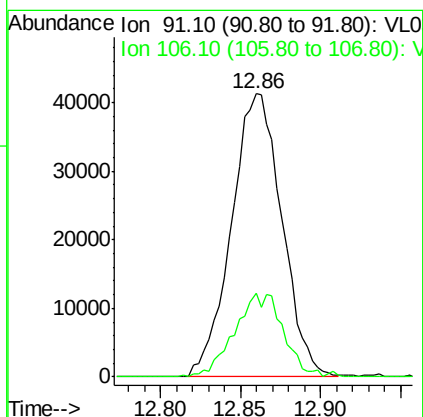
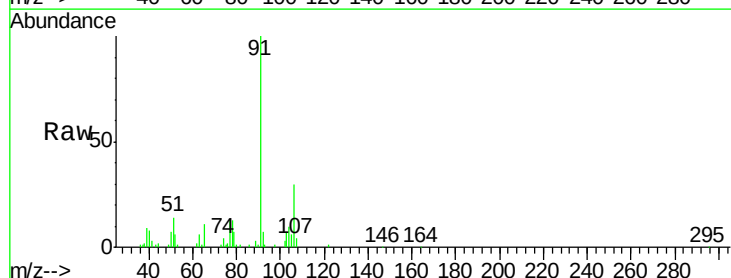
RT: 12.86 min Scan# 3086

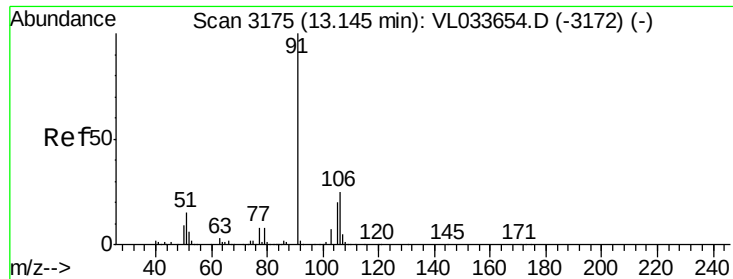
Delta R.T. -0.00 min

Lab File: VL033666.D

Acq: 6 May 2019 19:48

Tgt Ion:	91	Resp:	88820
Ion Ratio	Lower	Upper	
91	100		
106	29.7	23.7	35.5





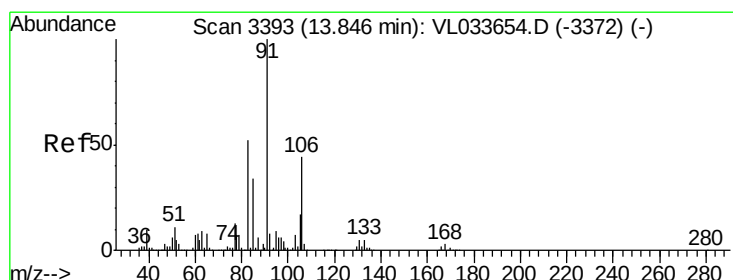
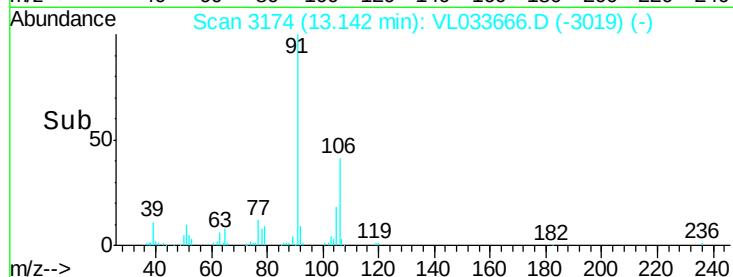
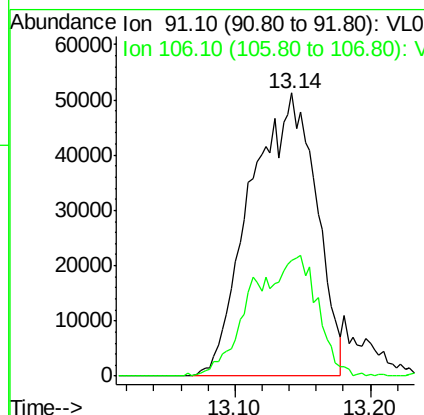
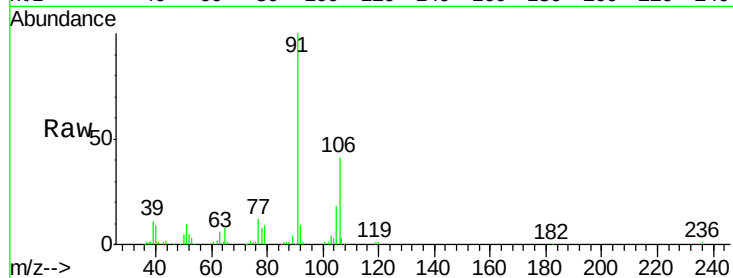
#59
m/p-Xylene
Concen: 0.671 ppbv m
RT: 13.14 min Scan# 3174
Delta R.T. -0.00 min
Lab File: VL033666.D
Acq: 6 May 2019 19:48

Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT2-2019

Tot Ion: 91 Resp: 173418
Ion Ratio Lower Upper
91 100
106 42.6 36.2 54.2

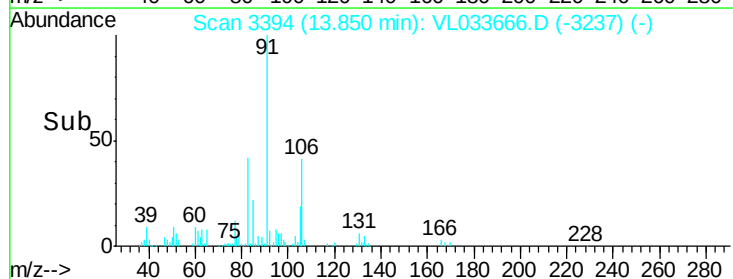
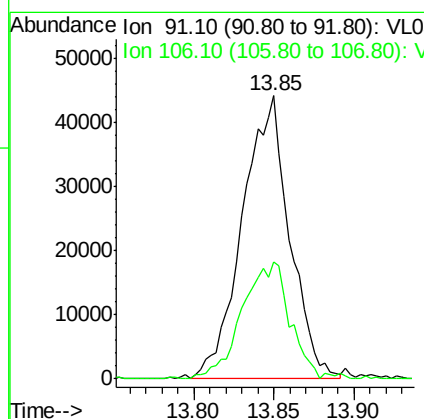
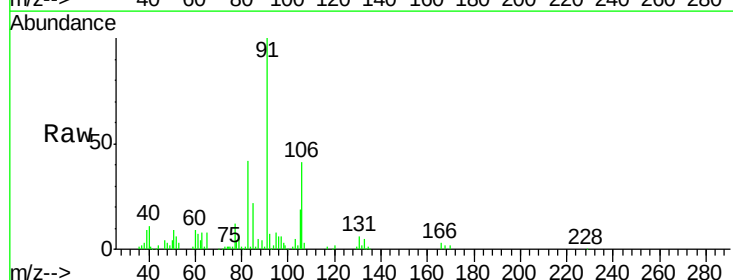
Manual Integrations
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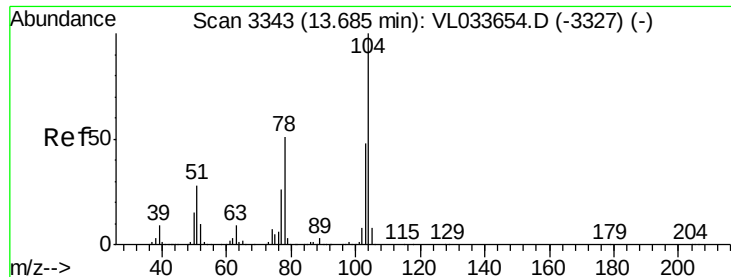
MMDadoda
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#60
o-Xylene
Concen: 0.342 ppbv
RT: 13.85 min Scan# 3394
Delta R.T. 0.00 min
Lab File: VL033666.D
Acq: 6 May 2019 19:48

Tgt Ion: 91 Resp: 89473
Ion Ratio Lower Upper
91 100
106 42.3 21.7 65.1





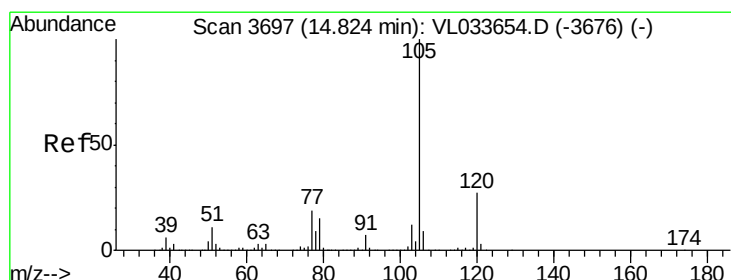
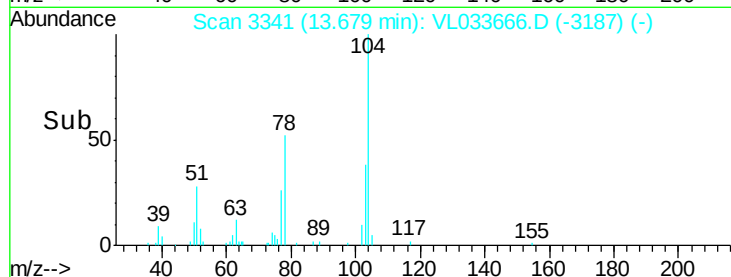
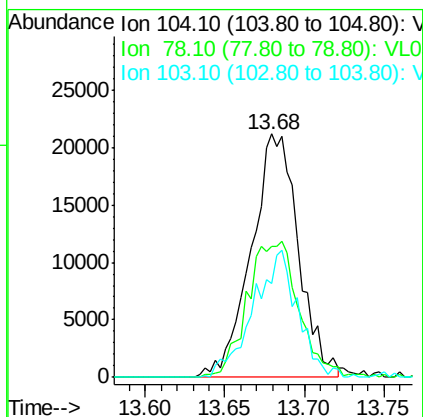
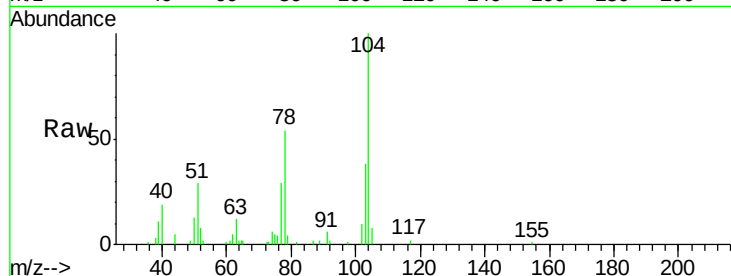
#61
Stvrene
Concen: 0.251 ppbv m
RT: 13.68 min Scan# 3341
Delta R.T. -0.01 min
Lab File: VL033666.D
Acq: 6 May 2019 19:48

Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT2-2019

Tot Ion	Ratio	Resp	Lower	Upper
104	100	43661		
78	0.0	43.0	64.6#	
103	0.0	38.1	57.1#	

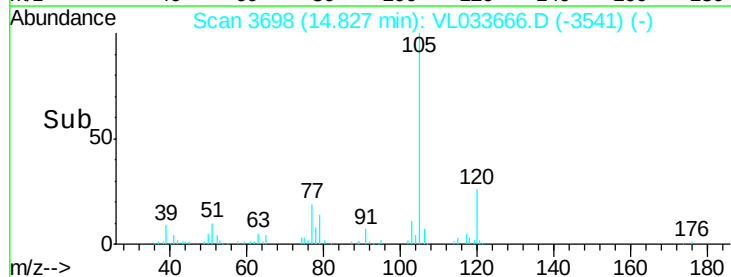
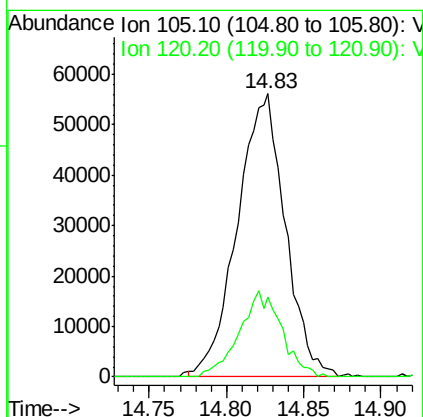
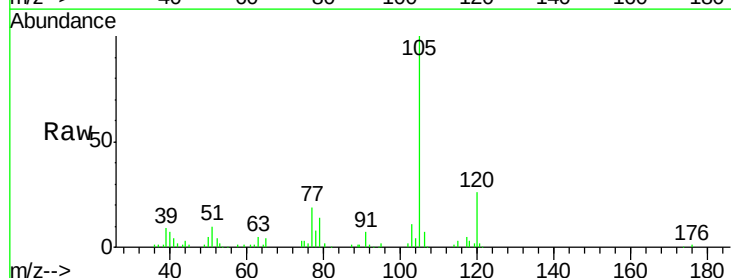
Manual Integrations
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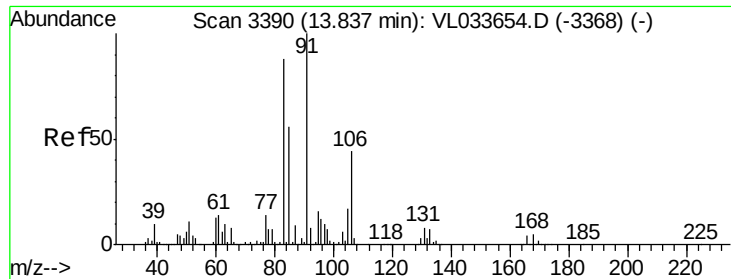
MMDadoda
5/8/2019 12:06:58 PM



#62
Isopropylbenzene
Concen: 0.339 ppbv
RT: 14.83 min Scan# 3698
Delta R.T. 0.00 min
Lab File: VL033666.D
Acq: 6 May 2019 19:48

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	121024		
120	26.7	20.5	30.7	





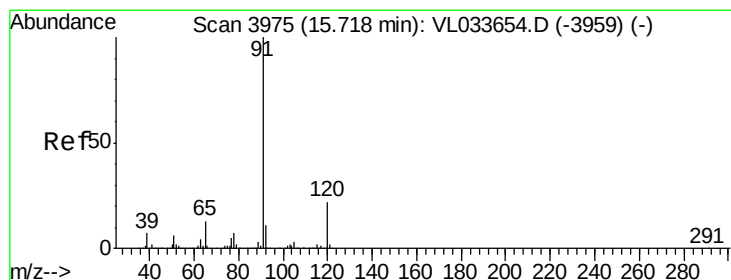
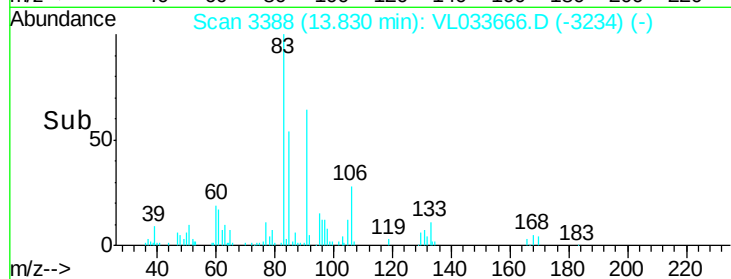
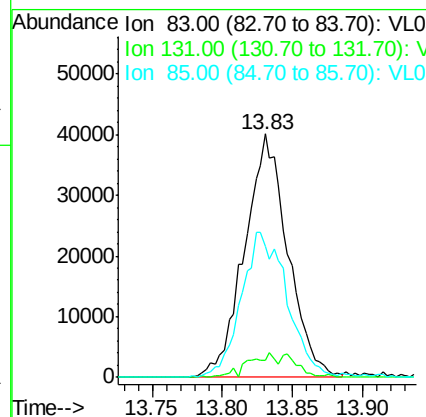
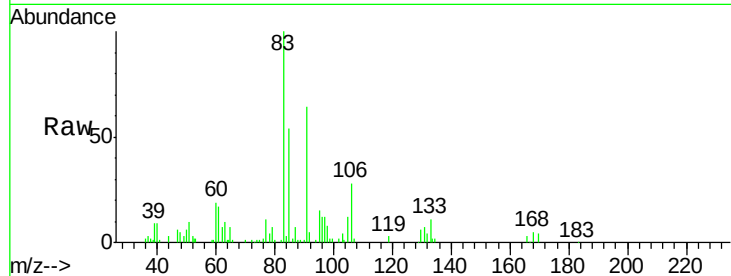
#63
 1,1,2,2-Tetrachloroethane
 Concen: 0.451 ppbv
 RT: 13.83 min Scan# 3388
 Delta R.T. -0.01 min
 Lab File: VL033666.D
 Acq: 6 May 2019 19:48

Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT2-2019

Tot Ion	Ratio	Lower	Upper
83	100		
131	10.5	4.8	14.3
85	64.1	32.5	97.4

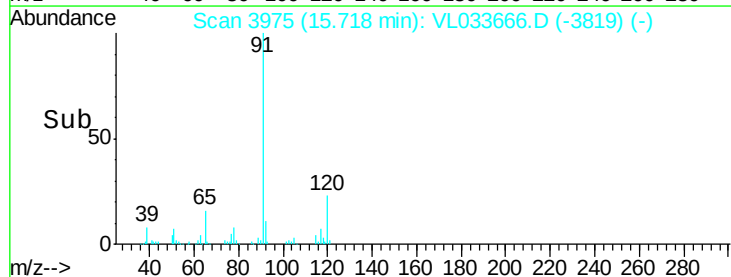
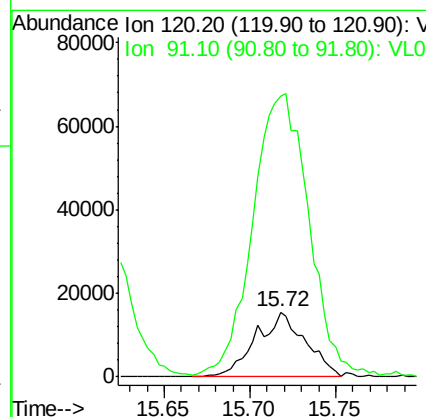
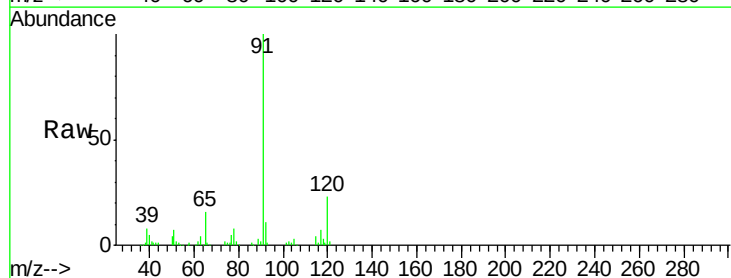
Manual Integrations
 APPROVED

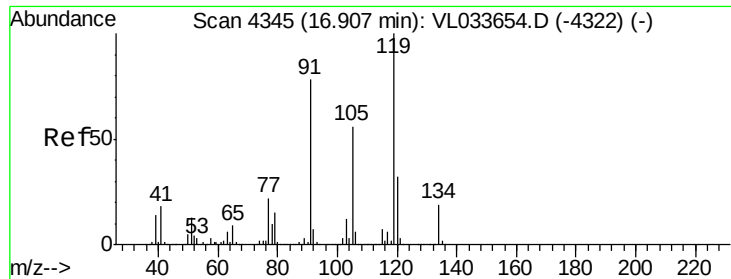
MMDadoda
 5/8/2019 12:06:58 PM



#64
 n-propylbenzene
 Concen: 0.335 ppbv m
 RT: 15.72 min Scan# 3975
 Delta R.T. 0.00 min
 Lab File: VL033666.D
 Acq: 6 May 2019 19:48

Tgt Ion	Ratio	Lower	Upper
120	100		
91	494.2	379.0	568.6





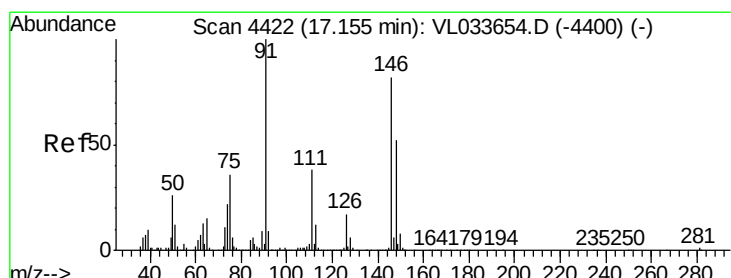
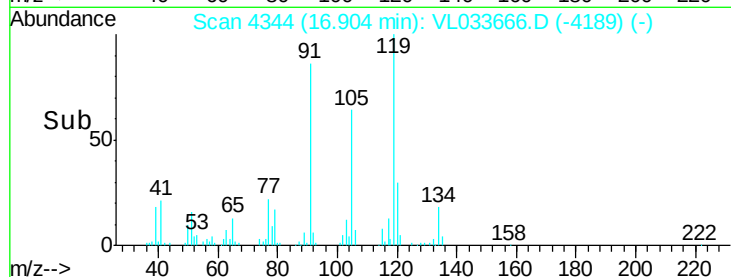
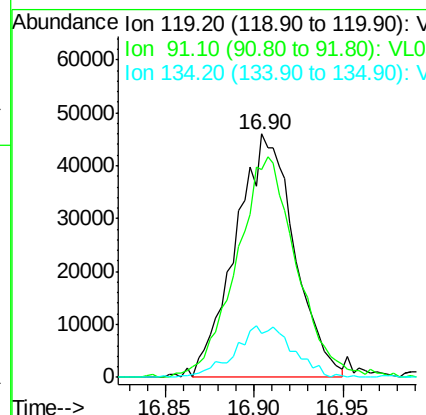
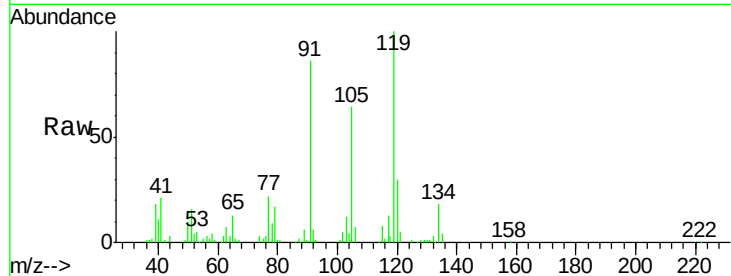
#65
 tert-Butylbenzene
 Concen: 0.323 ppbv
 RT: 16.90 min Scan# 4344
 Delta R.T. -0.00 min
 Lab File: VL033666.D
 Acq: 6 May 2019 19:48

Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT2-2019

Tot Ion	Ratio	Resp	Lower	Upper
119	100	105721		
91	93.0	65.9	98.9	
134	20.7	15.5	23.3	

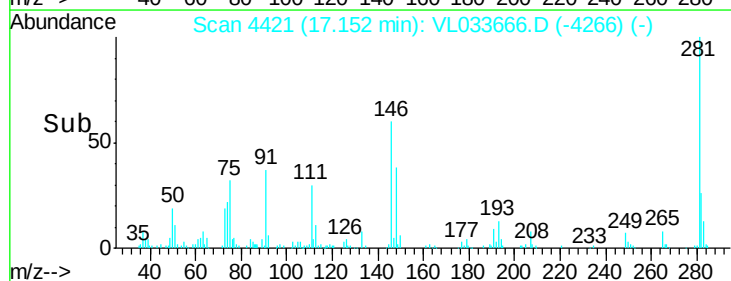
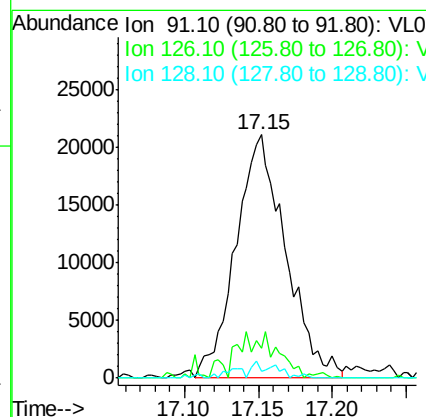
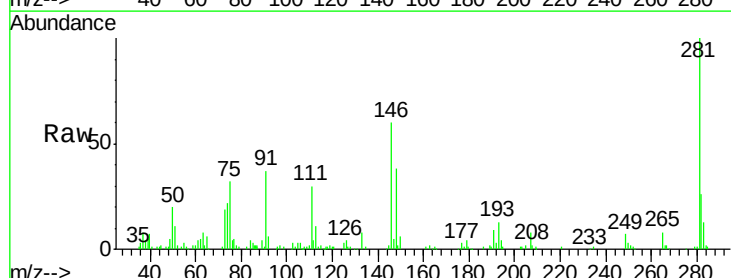
Manual Integrations
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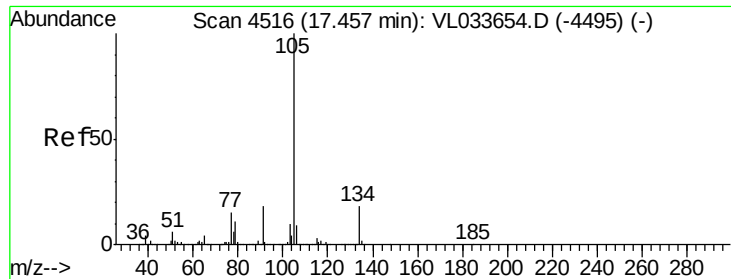
MMDadoda
 5/8/2019 12:06:58 PM



#66
 Benzyl Chloride
 Concen: 0.332 ppbv m
 RT: 17.15 min Scan# 4421
 Delta R.T. -0.00 min
 Lab File: VL033666.D
 Acq: 6 May 2019 19:48

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	49493		
126	17.5	13.4	20.2	
128	4.6	4.4	6.6	





#67

sec-Butylbenzene

Concen: 0.343 ppbv m

RT: 17.46 min Scan# 4516

Delta R.T. 0.00 min

Lab File: VL033666.D

Acq: 6 May 2019 19:48

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT2-2019

Tot Ion: 105 Resp: 156472

Ion Ratio Lower Upper

105 100

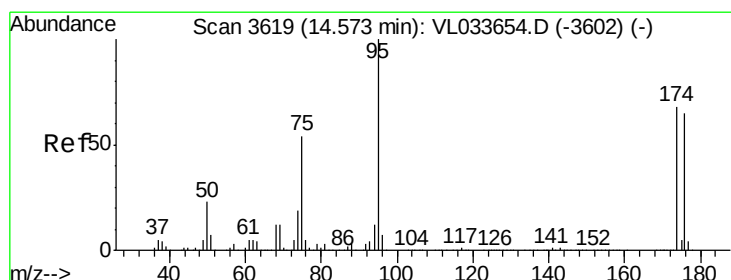
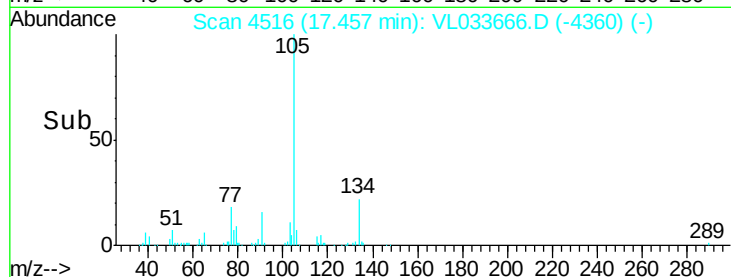
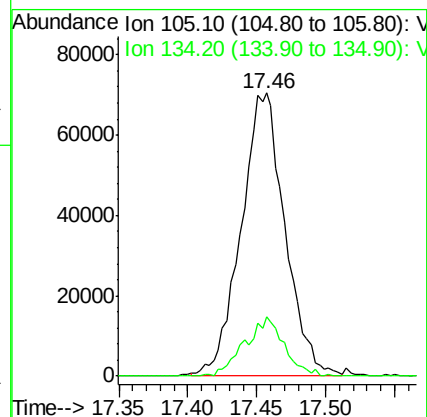
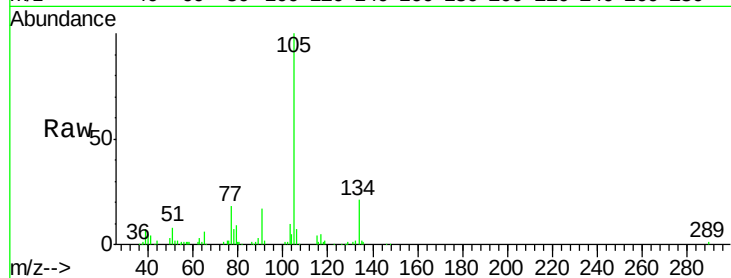
134 0.0 14.6 22.0#

Manual Integrations

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#68

1-Bromo-4-Fluorobenzene

Concen: 10.505 ppbv

RT: 14.57 min Scan# 3619

Delta R.T. 0.00 min

Lab File: VL033666.D

Acq: 6 May 2019 19:48

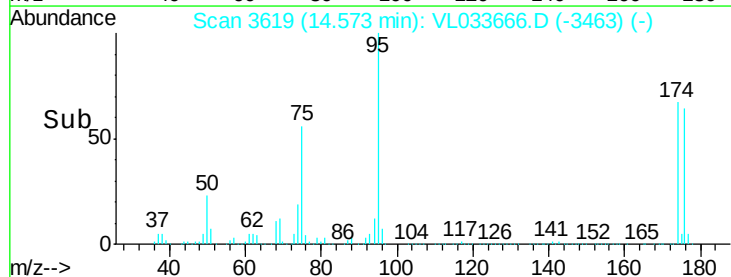
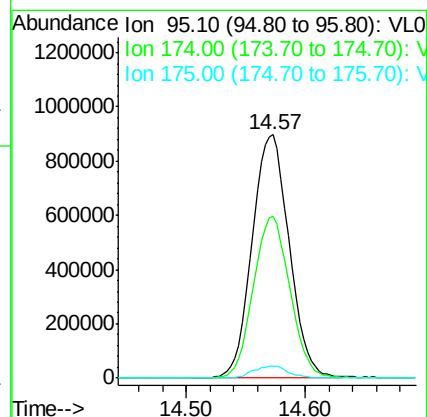
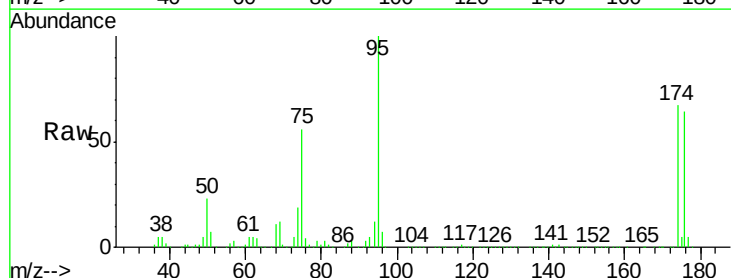
Tgt Ion: 95 Resp: 1936316

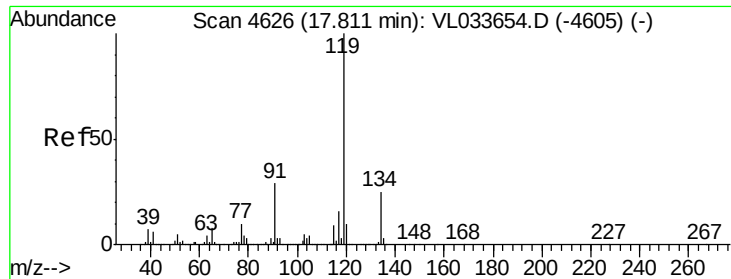
Ion Ratio Lower Upper

95 100

174 66.2 54.0 81.0

175 4.8 3.8 5.8





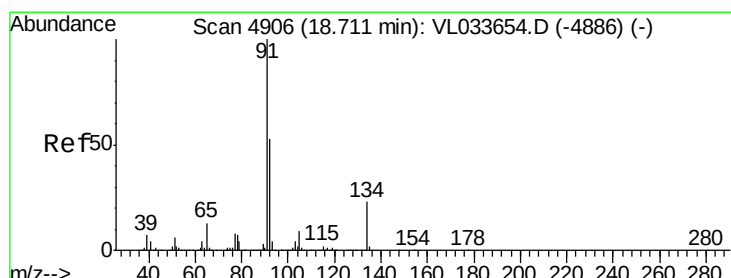
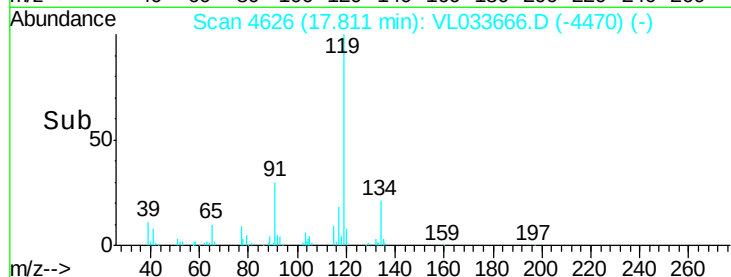
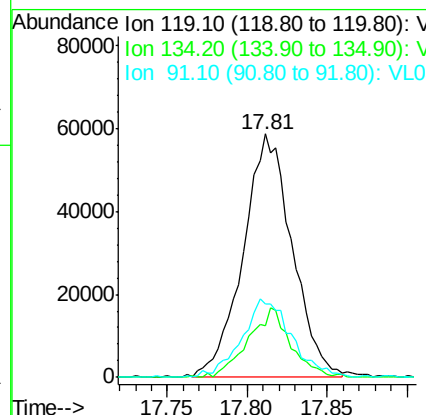
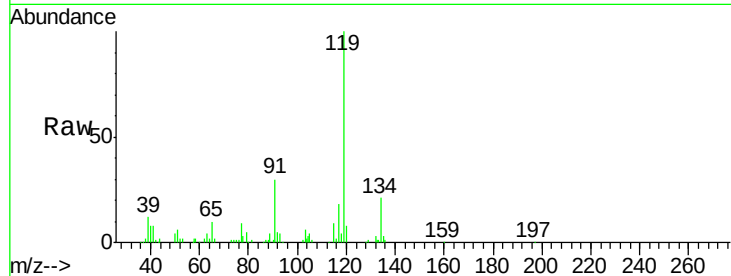
#69
 p-Isopropyltoluene
 Concen: 0.325 ppbv
 RT: 17.81 min Scan# 4626
 Delta R.T. 0.00 min
 Lab File: VL033666.D
 Acq: 6 May 2019 19:48

Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT2-2019

Tot Ion	Ratio	Resp	Lower	Upper
119	100	122215		
134	24.8	20.2	30.2	
91	33.5	23.4	35.2	

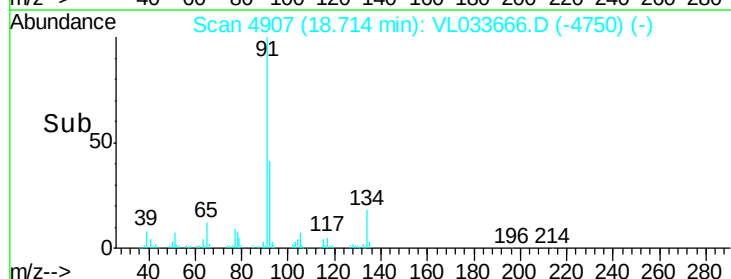
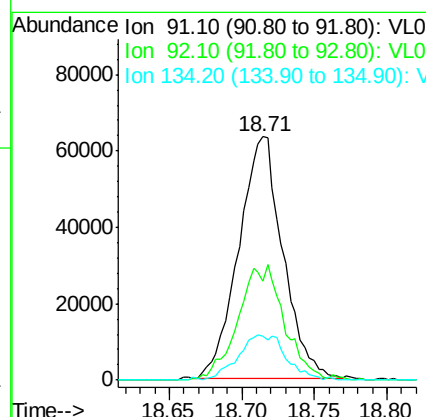
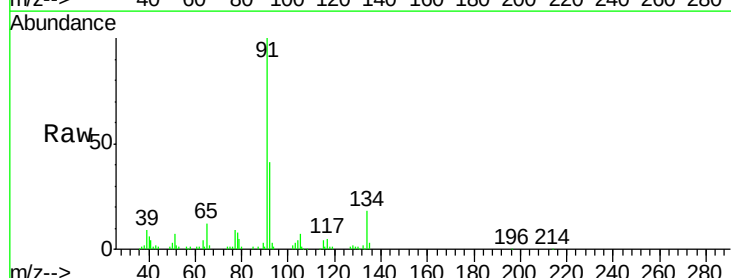
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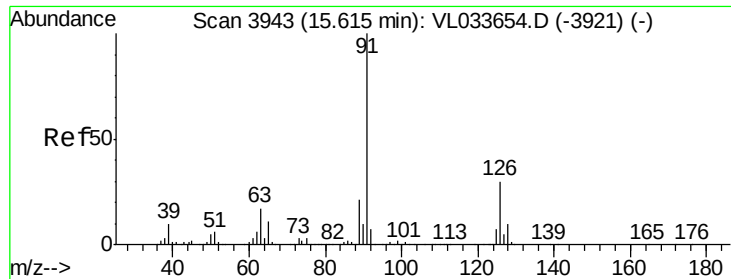
MMDadoda
 5/8/2019 12:06:58 PM



#70
 n-Butylbenzene
 Concen: 0.338 ppbv
 RT: 18.71 min Scan# 4907
 Delta R.T. 0.00 min
 Lab File: VL033666.D
 Acq: 6 May 2019 19:48

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	134772		
92	50.0	42.5	63.7	
134	20.5	18.0	27.0	





#71

2-Chlorotoluene

Concen: 0.308 ppbv

RT: 15.61 min Scan# 3942

Delta R.T. -0.00 min

Lab File: VL033666.D

Acq: 6 May 2019 19:48

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT2-2019

Tot Ion: 91 Resp: 81233

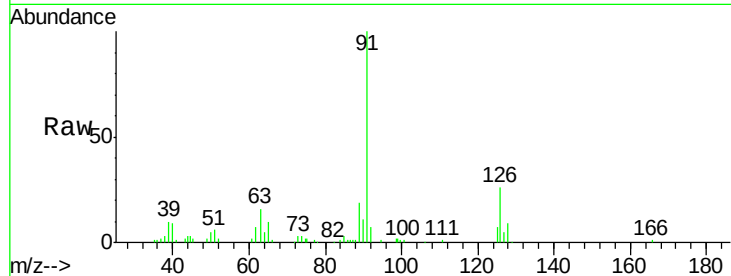
Ion Ratio Lower Upper

91 100

126 30.7 12.0 47.8

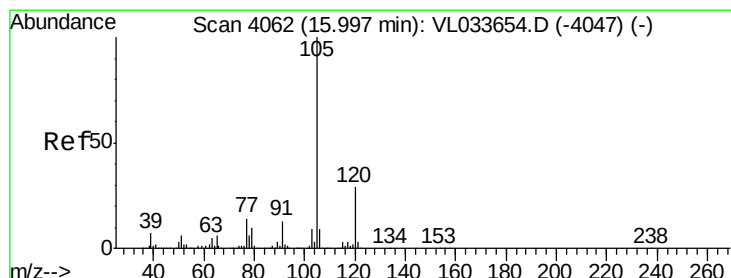
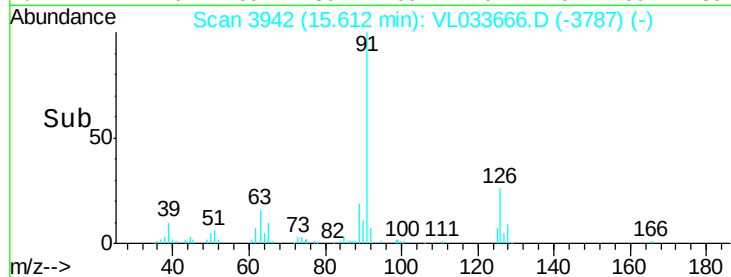
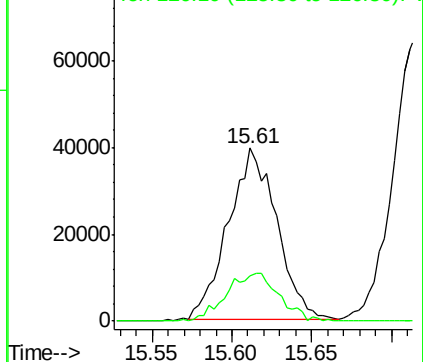
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Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V



#72

4-Ethyltoluene

Concen: 0.290 ppbv

RT: 15.99 min Scan# 4061

Delta R.T. -0.00 min

Lab File: VL033666.D

Acq: 6 May 2019 19:48

Tgt Ion:105 Resp: 89215

Ion Ratio Lower Upper

105 100

120 26.0 23.0 34.6

91 18.5 10.5 15.7#

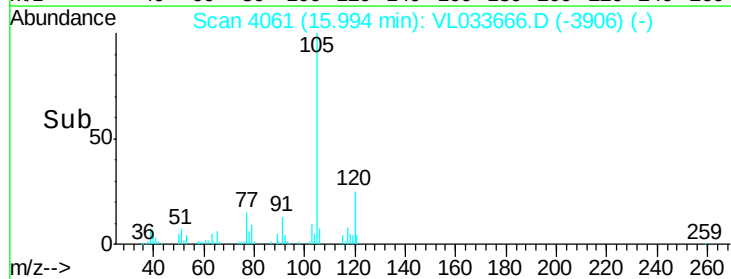
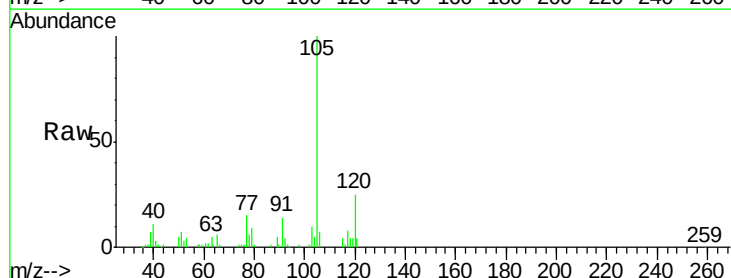
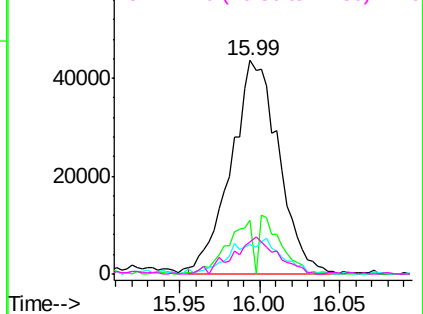
77 16.4 11.4 17.2

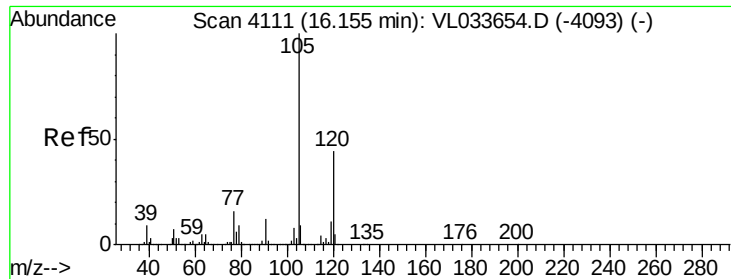
Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0





#73

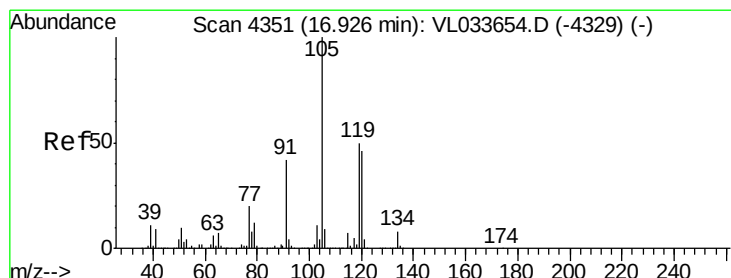
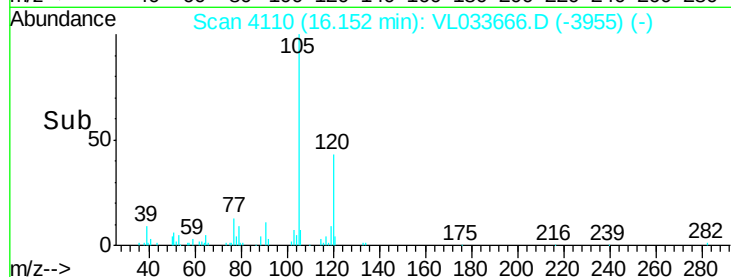
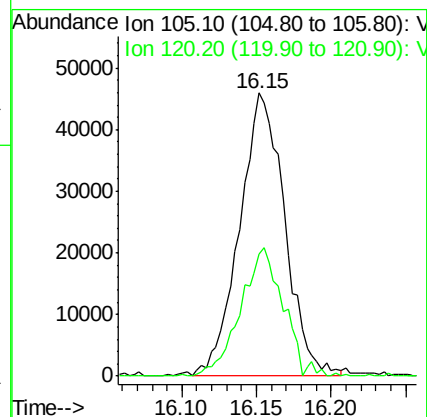
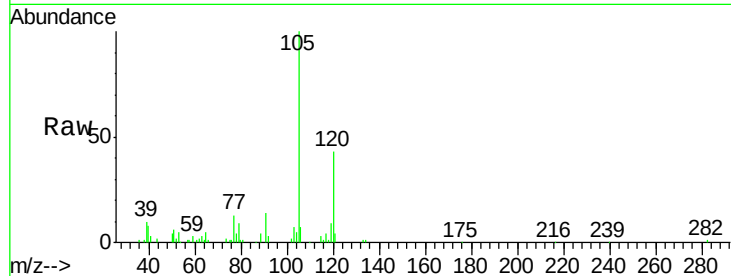
1,3,5-Trimethylbenzene
Concen: 0.325 ppbv m
RT: 16.15 min Scan# 4110
Delta R.T. -0.00 min
Lab File: VL033666.D
Acq: 6 May 2019 19:48

Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT2-2019

Tot Ion	Ratio	Lower	Upper
105	100		
120	43.1	35.5	53.3

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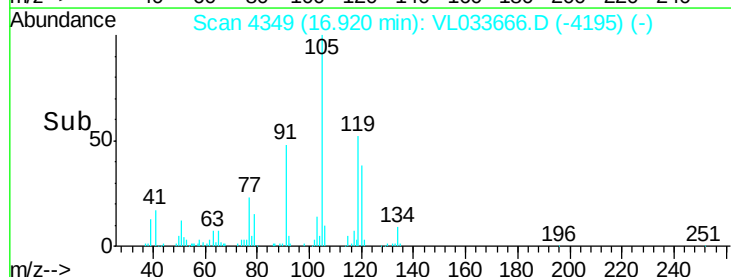
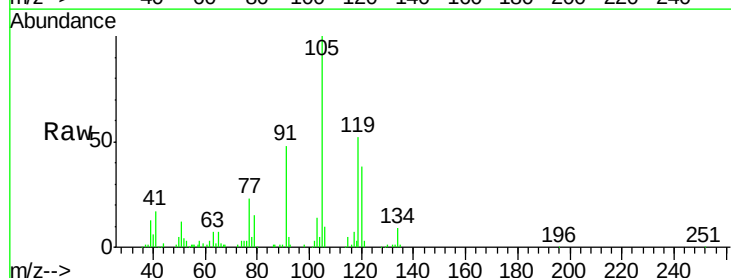
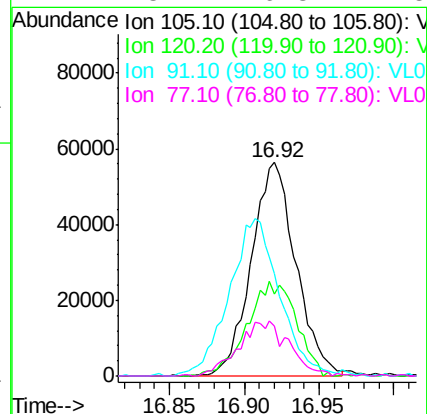
MMDadoda
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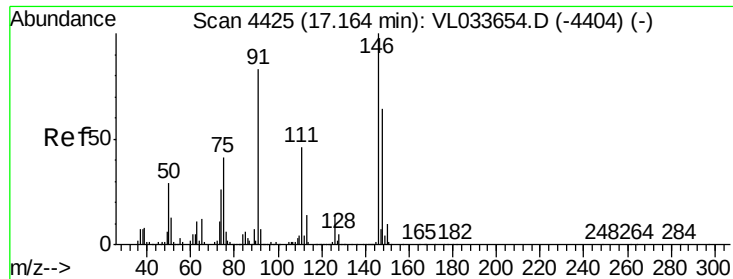


#74

1,2,4-Trimethylbenzene
Concen: 0.354 ppbv
RT: 16.92 min Scan# 4349
Delta R.T. -0.01 min
Lab File: VL033666.D
Acq: 6 May 2019 19:48

Tgt Ion	Ratio	Lower	Upper
105	100		
120	41.2	36.5	54.7
91	45.2	33.7	50.5
77	23.4	16.3	24.5





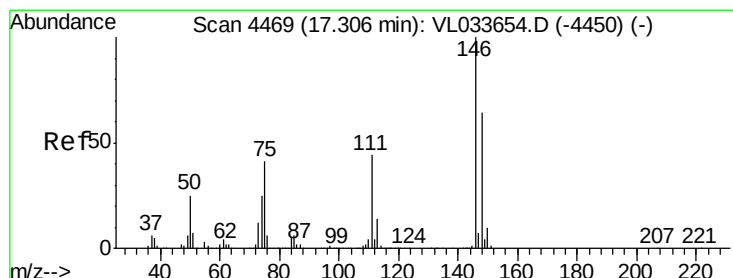
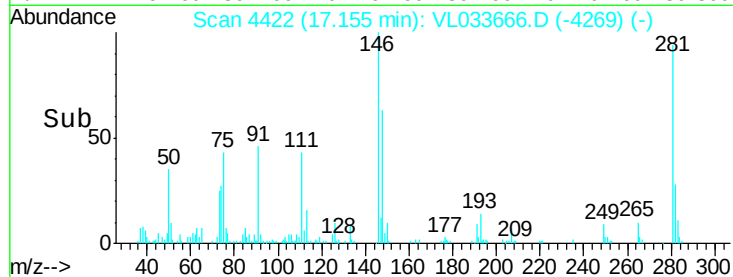
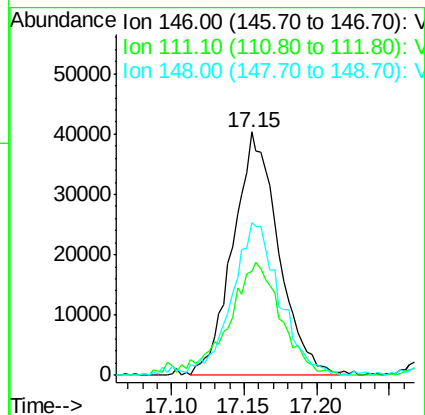
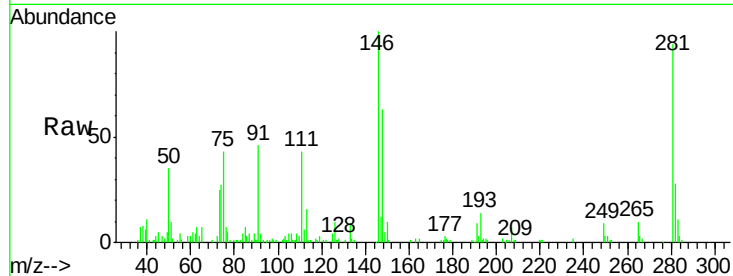
#75
 1,3-Dichlorobenzene
 Concen: 0.442 ppbv
 RT: 17.15 min Scan# 4422
 Delta R.T. -0.01 min
 Lab File: VL033666.D
 Acq: 6 May 2019 19:48

Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT2-2019

Tot Ion	Ratio	Lower	Upper
146	100		
111	54.3	22.6	67.7
148	67.6	31.8	95.4

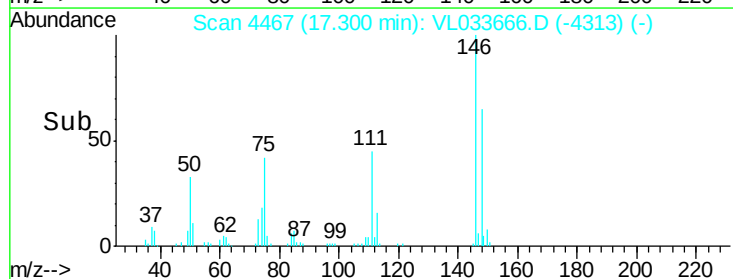
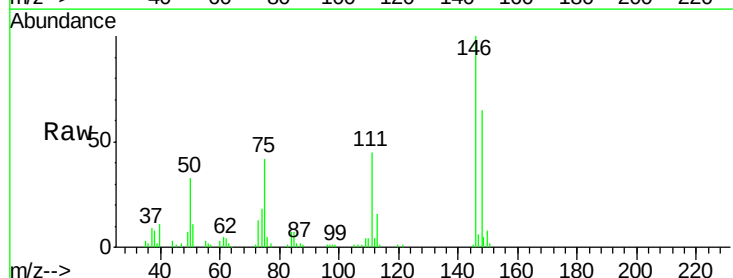
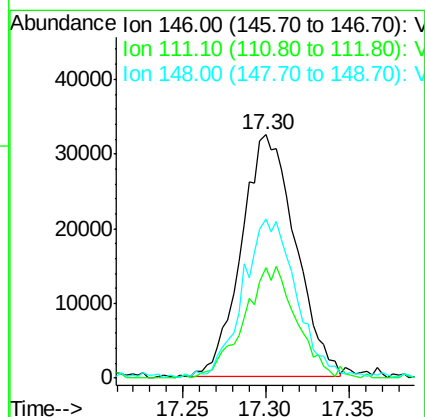
Manual Integrations
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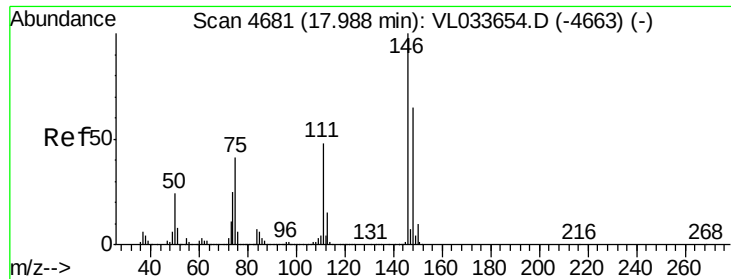
MMDadoda
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#76
 1,4-Dichlorobenzene
 Concen: 0.386 ppbv
 RT: 17.30 min Scan# 4467
 Delta R.T. -0.01 min
 Lab File: VL033666.D
 Acq: 6 May 2019 19:48

Tgt Ion	Ratio	Lower	Upper
146	100		
111	45.5	22.0	66.0
148	66.7	32.1	96.5





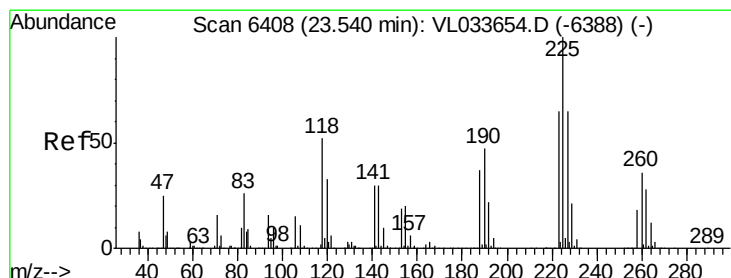
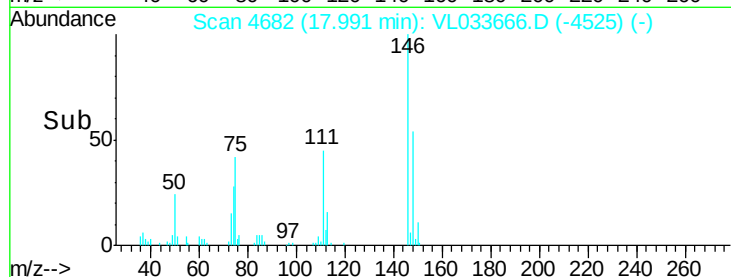
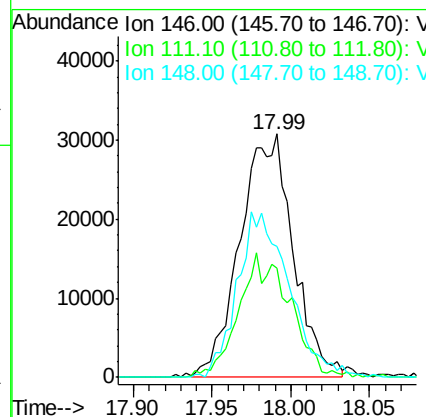
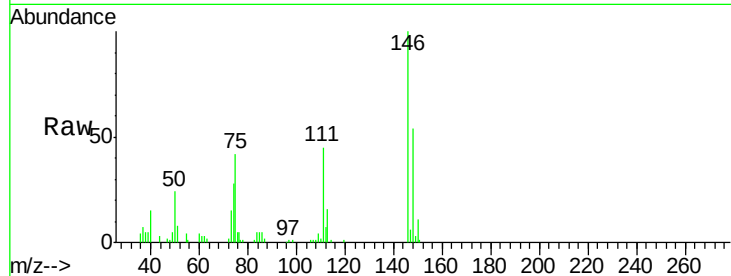
#77
 1,2-Dichlorobenzene
 Concen: 0.389 ppbv m
 RT: 17.99 min Scan# 4682
 Delta R.T. 0.00 min
 Lab File: VL033666.D
 Acq: 6 May 2019 19:48

Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT2-2019

Tot Ion	Ratio	Lower	Upper
146	100		
111	49.3	23.4	70.0
148	66.5	31.9	95.9

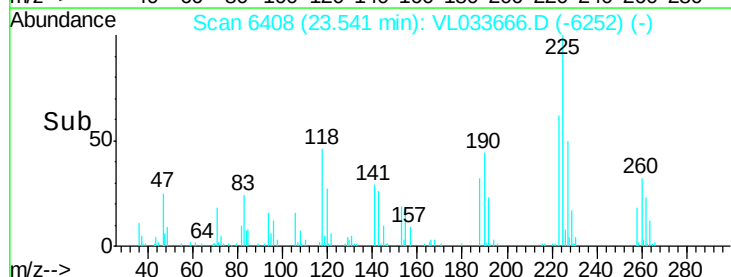
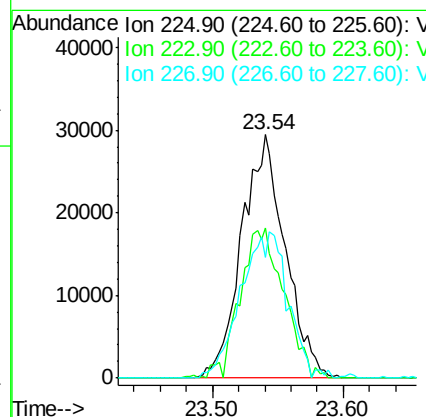
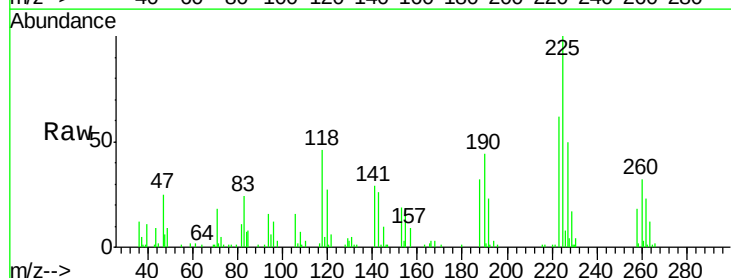
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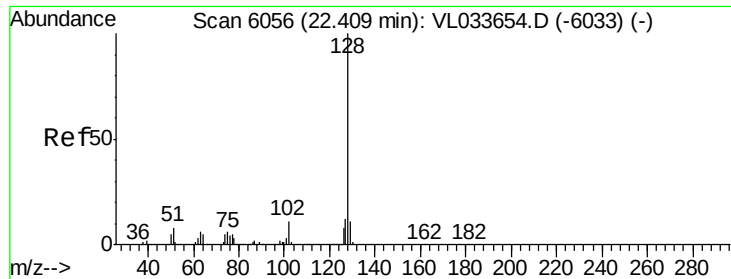
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#78
 Hexachloro-1,3-Butadiene
 Concen: 0.464 ppbv m
 RT: 23.54 min Scan# 6408
 Delta R.T. 0.00 min
 Lab File: VL033666.D
 Acq: 6 May 2019 19:48

Tgt Ion	Ratio	Lower	Upper
225	100		
223	0.0	50.7	76.1#
227	0.0	51.4	77.2#





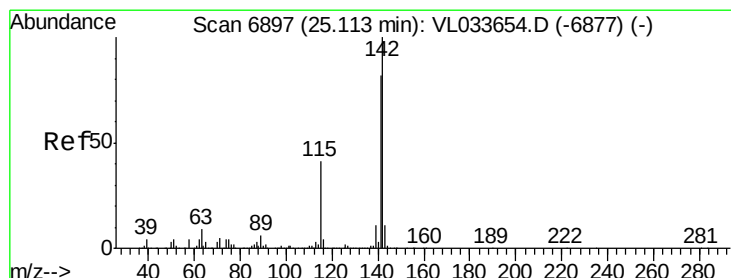
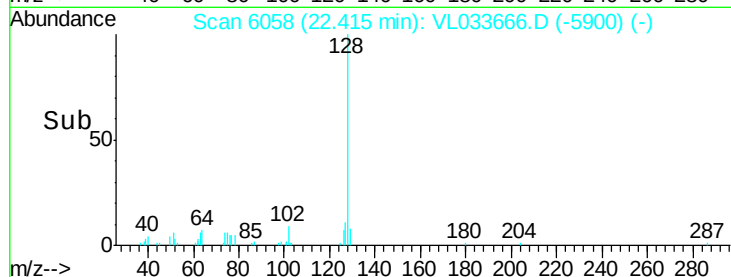
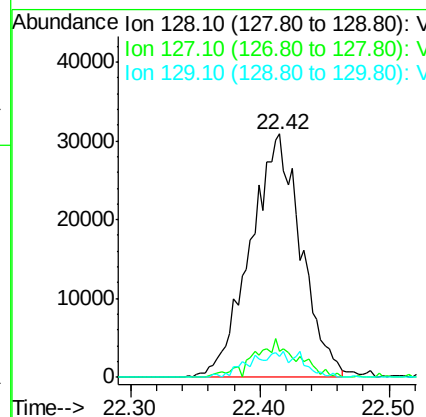
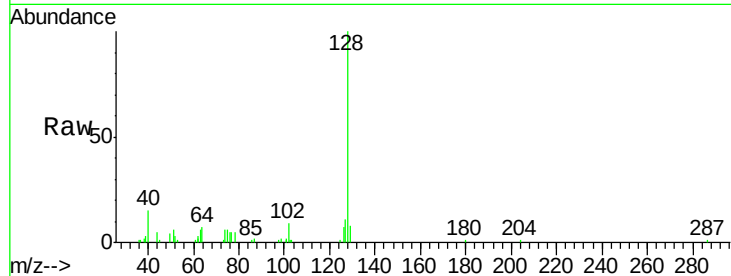
#79
Naphthalene
Concen: 0.280 ppbv m
RT: 22.42 min Scan# 6058
Delta R.T. 0.01 min
Lab File: VL033666.D
Acq: 6 May 2019 19:48

Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT2-2019

Tot Ion	Ratio	Lower	Upper
128	100		
127	10.8	9.8	14.8
129	8.5	8.8	13.2#

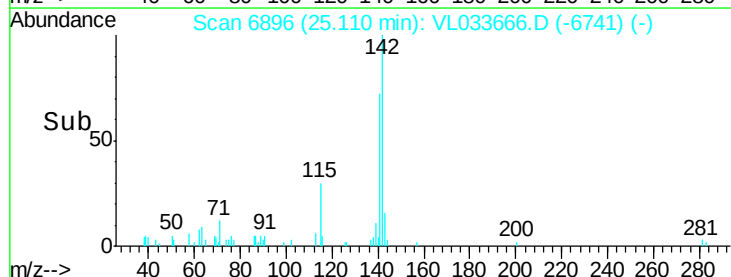
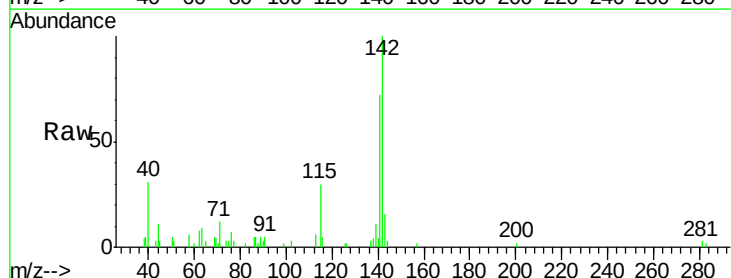
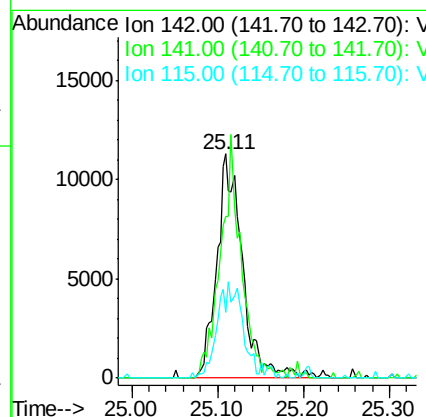
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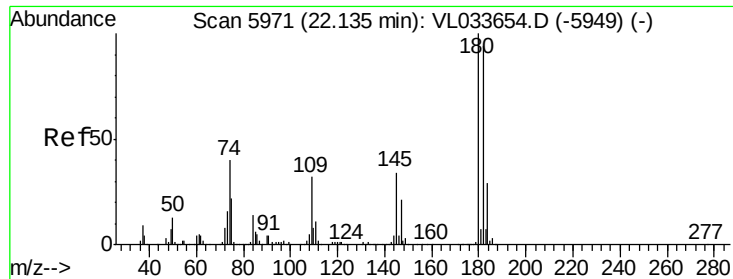
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#80
Naphthalene, 2-methyl-
Concen: 0.209 ppbv
RT: 25.11 min Scan# 6896
Delta R.T. -0.00 min
Lab File: VL033666.D
Acq: 6 May 2019 19:48

Tgt Ion	Ratio	Lower	Upper
142	100		
141	87.3	67.9	101.9
115	43.2	34.2	51.4





#81
 1,2,4-Trichlorobenzene
 Concen: 0.331 ppbv
 RT: 22.13 min Scan# 5969
 Delta R.T. -0.01 min
 Lab File: VL033666.D
 Acq: 6 May 2019 19:48

Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT2-2019

Tot Ion	Ratio	Lower	Upper
180	100		
182	103.9	77.4	116.0
184	33.5	24.6	36.8

Manual Integrations
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