

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL030920\
 Data File : VL034858.D
 Acq On : 10 Mar 2020 3:43
 Operator : SY/AP
 Sample : L1161-13 0.4 LOD
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT1-2020

Manual Integrations
 APPROVED

MMDadoda
 3/11/2020 3:26:20 PM

Quant Time: Mar 11 05:26:46 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL030920AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Mar 0
 QLast Update : Mon Mar 09 16:42:53 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	866823	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	1974911	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.11	117	1946424	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.44	95	1574912	10.38	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.80%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	3.01	85	70087	0.590 ppbv	98
3) Chlorodifluoromethane	2.95	51	43492	0.449 ppbv	99
4) Chloromethane	3.10	50	24516	0.448 ppbv	92
5) Vinyl Chloride	3.22	62	21331	0.405 ppbv	95
6) Bromomethane	3.44	94	14417	0.471 ppbv	81
7) Chloroethane	3.52	64	9302m	0.490 ppbv	
8) Dichlorotetrafluoroethane	3.15	85	58568	0.475 ppbv	91
9) Propene	2.97	41	19230	0.416 ppbv	100
10) Heptane	8.12	43	41396	0.364 ppbv	94
11) Trichlorofluoromethane	3.92	101	56551	0.448 ppbv	85
12) 1,1,2-Trichlorotrifluoroet	4.47	101	40173	0.455 ppbv	99
13) Ethanol	3.58	45	9379m	0.667 ppbv	
14) Bromoethene	3.71	108	15727	0.412 ppbv	91
15) Acetone	3.84	43	50879	0.453 ppbv	93
16) 1,3-Butadiene	3.29	39	20365	0.401 ppbv	94
17) tert-Butyl alcohol	4.29	59	50318	0.465 ppbv	97
18) 1,1-Dichloroethene	4.26	96	16672	0.426 ppbv	92
19) Isopropyl Alcohol	3.96	45	32612	0.460 ppbv #	41
20) Methylene Chloride	4.32	84	17961m	0.506 ppbv	
21) Allyl Chloride	4.38	41	26801	0.371 ppbv	91
22) trans-1,2-Dichloroethene	4.87	96	16809m	0.423 ppbv	
23) Vinyl Acetate	5.06	43	63163	0.381 ppbv #	95
24) 1,1-Dichloroethane	4.99	63	47764	0.429 ppbv #	96
25) Ethyl Acetate	5.67	43	82896	0.414 ppbv	96
26) Hexane	5.67	57	35600	0.413 ppbv	94
27) Carbon Disulfide	4.53	76	32015	0.327 ppbv #	63
28) Methyl tert-Butyl Ether	5.03	73	53739	0.375 ppbv	97
29) Chloroform	5.74	83	57907	0.440 ppbv	99
30) Cyclohexane	7.13	84	26519m	0.369 ppbv	
31) cis-1,2-Dichloroethene	5.54	61	35553	0.403 ppbv	90
32) 1,1,1-Trichloroethane	6.50	97	51438	0.401 ppbv	95
34) 2-Butanone	5.24	43	55778	0.425 ppbv	97
35) Carbon Tetrachloride	7.01	117	49327m	0.402 ppbv	
36) Benzene	6.89	78	69075	0.392 ppbv #	92
37) 1,2-Dichloroethane	6.29	62	40467m	0.408 ppbv	
38) Trichloroethene	7.84	130	25132	0.376 ppbv	91
39) 1,2-Dichloropropane	7.61	63	29172m	0.418 ppbv	
40) 1,4-Dioxane	7.87	88	11921m	0.453 ppbv	
41) Tetrahydrofuran	6.07	42	27239m	0.384 ppbv	
42) Bromodichloromethane	7.80	83	51718m	0.382 ppbv	
43) Methyl Methacrylate	8.02	69	26023	0.351 ppbv	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.87	57	110422	0.371	ppbv	96
45) t-1,3-Dichloropropene	9.29	75	26311	0.302	ppbv	91
46) cis-1,3-Dichloropropene	8.71	75	31972	0.309	ppbv	89
47) 1,1,2-Trichloroethane	9.48	97	29170m	0.408	ppbv	
48) Dibromochloromethane	10.31	129	37432m	0.323	ppbv	
49) Bromoform	13.07	173	28856m	0.279	ppbv	
50) 4-Methyl-2-Pentanone	8.77	43	68612	0.363	ppbv	100
51) 2-Hexanone	10.17	43	52576	0.342	ppbv #	96
52) Tetrachloroethene	11.24	164	26382m	0.379	ppbv	
53) Toluene	9.82	91	70366m	0.346	ppbv	
54) 1,2-Dibromoethane	10.63	107	41008m	0.381	ppbv	
56) 1,1,1,2-Tetrachloroethane	12.15	131	35479	0.406	ppbv #	1
57) Chlorobenzene	12.17	112	69207m	0.454	ppbv	
58) Ethyl Benzene	12.73	91	96603m	0.366	ppbv	
59) m/p-Xylene	13.01	91	174805m	0.792	ppbv	
60) o-Xylene	13.72	91	84494	0.392	ppbv	100
61) Styrene	13.55	104	49429m	0.327	ppbv	
62) Isopropylbenzene	14.69	105	132898	0.408	ppbv	97
63) 1,1,2,2-Tetrachloroethane	13.71	83	66008m	0.451	ppbv	
64) n-propylbenzene	15.59	120	31664m	0.373	ppbv	
65) tert-Butylbenzene	16.77	119	102766m	0.361	ppbv	
66) Benzyl Chloride	17.02	91	29482m	0.248	ppbv	
67) sec-Butylbenzene	17.33	105	146970	0.372	ppbv	97
69) p-Isopropyltoluene	17.69	119	118212m	0.357	ppbv	
70) n-Butylbenzene	18.59	91	116691	0.345	ppbv	99
71) 2-Chlorotoluene	15.49	91	93732m	0.380	ppbv	
72) 4-Ethyltoluene	15.87	105	93660m	0.368	ppbv	
73) 1,3,5-Trimethylbenzene	16.02	105	84283m	0.354	ppbv	
74) 1,2,4-Trimethylbenzene	16.79	105	87830	0.358	ppbv #	86
75) 1,3-Dichlorobenzene	17.04	146	64439	0.435	ppbv	98
76) 1,4-Dichlorobenzene	17.18	146	59814m	0.405	ppbv	
77) 1,2-Dichlorobenzene	17.85	146	57433m	0.400	ppbv	
78) Hexachloro-1,3-Butadiene	23.43	225	44297m	0.369	ppbv	
79) Naphthalene	22.25	128	39196m	0.205	ppbv	
81) 1,2,4-Trichlorobenzene	21.99	180	35605m	0.293	ppbv	

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

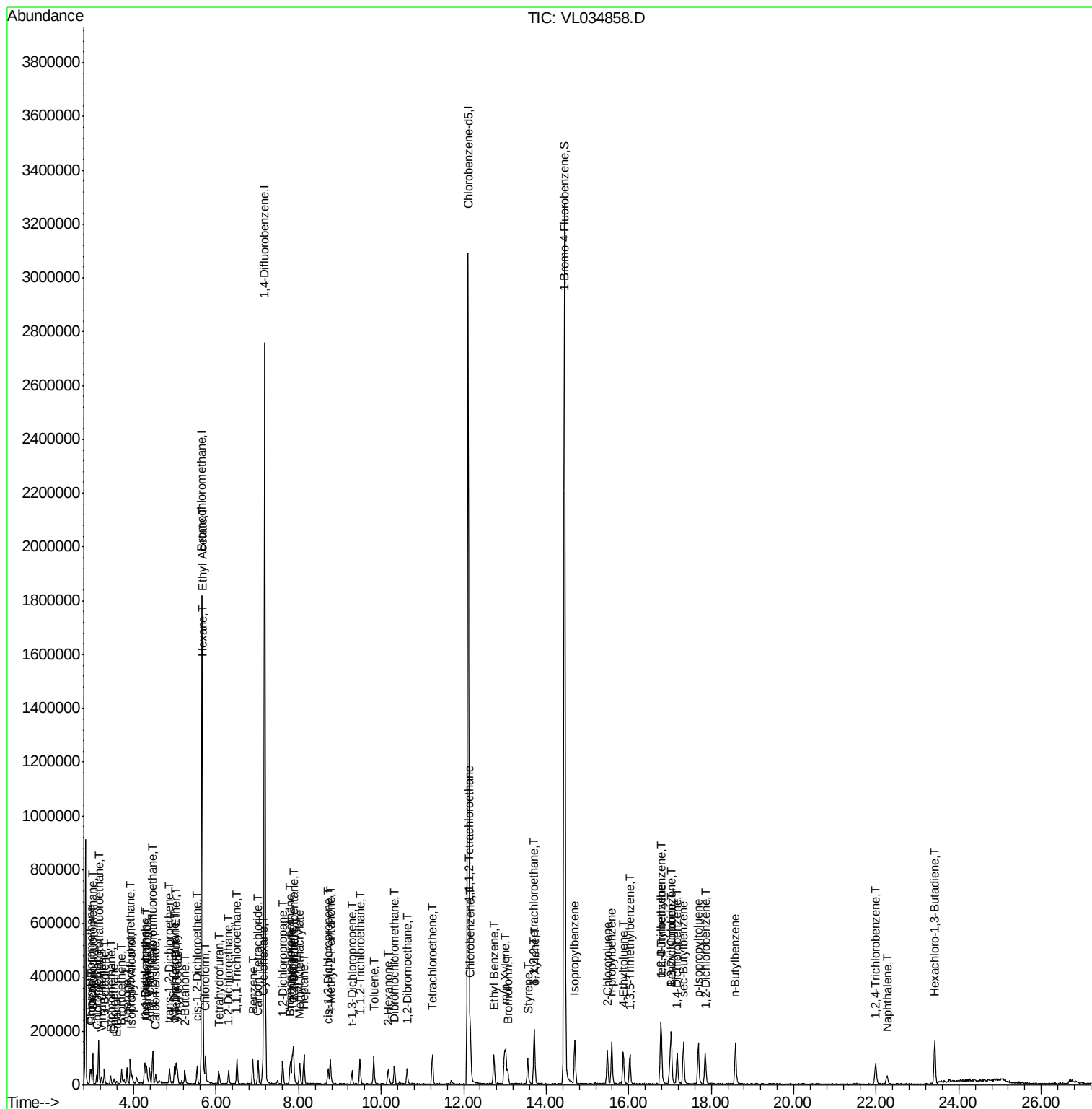
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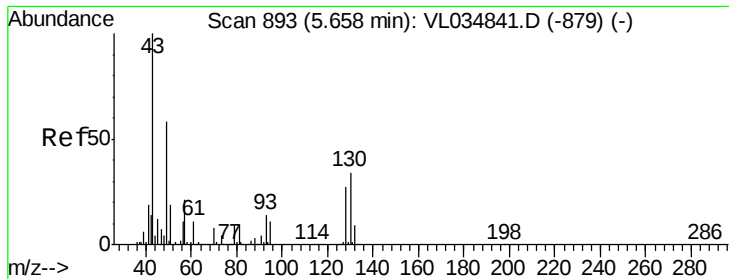
Instrument :
MSVOA_L
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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 892

Delta R.T. -0.00 min

Lab File: VL034858.D

Acq: 10 Mar 2020 3:43

Instrument :

MSVOA_L

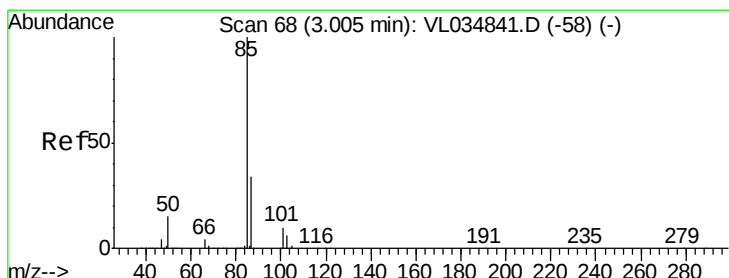
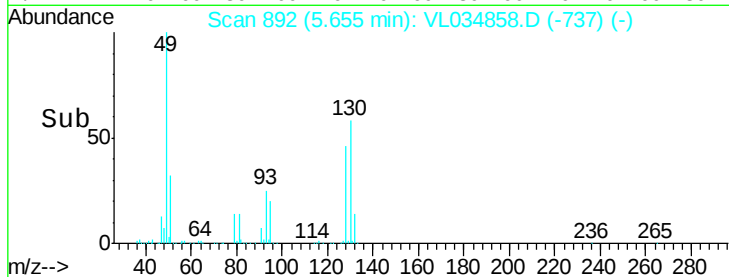
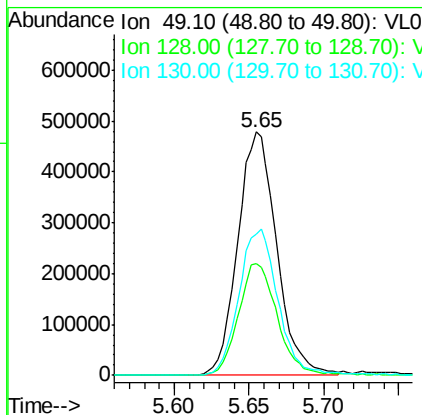
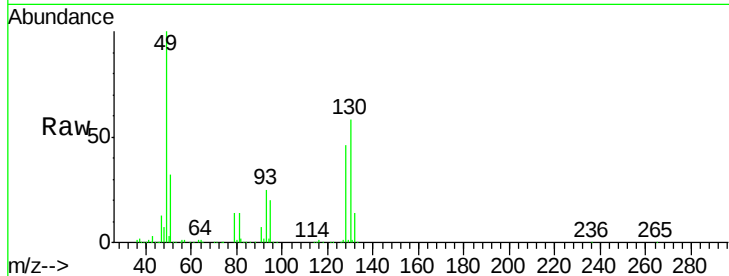
ClientSampleId :

LOD-MDL-AIR-01-QT1-2020

Tot Ion: 49 Resp: 866823
 Ion Ratio Lower Upper
 49 100
 128 46.6 23.4 70.3
 130 60.9 30.0 90.0

Manual Integrations
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#2

Dichlorodifluoromethane

Concen: 0.590 ppbv

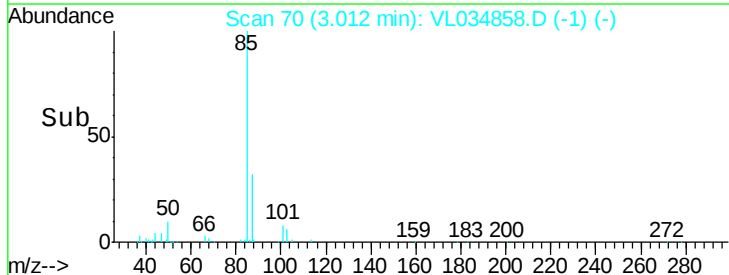
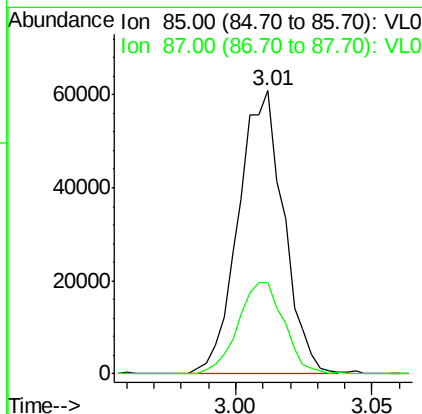
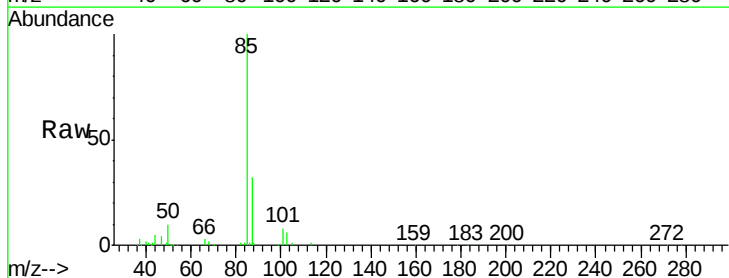
RT: 3.01 min Scan# 70

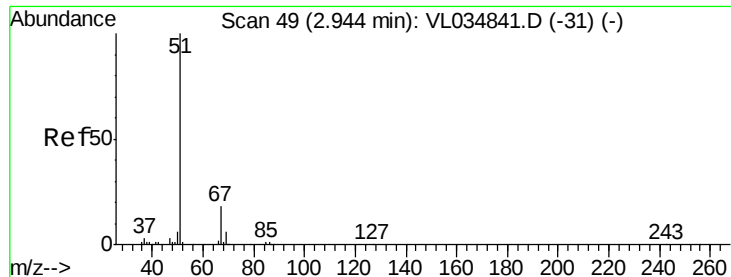
Delta R.T. 0.01 min

Lab File: VL034858.D

Acq: 10 Mar 2020 3:43

Tgt Ion: 85 Resp: 70087
 Ion Ratio Lower Upper
 85 100
 87 32.3 26.9 40.3





#3

Chlorodifluoromethane

Concen: 0.449 ppbv

RT: 2.95 min Scan# 51

Delta R.T. 0.01 min

Lab File: VL034858.D

Acq: 10 Mar 2020 3:43

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT1-2020

Tot Ion: 51 Resp: 43492

Ion Ratio Lower Upper

51 100

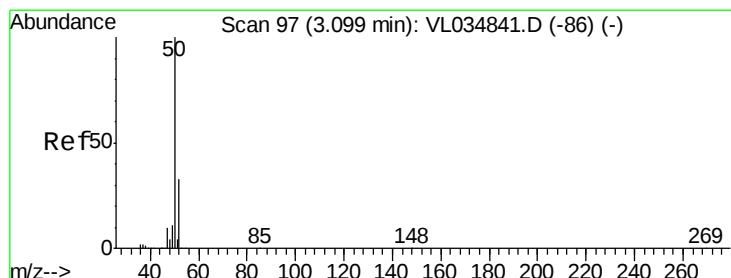
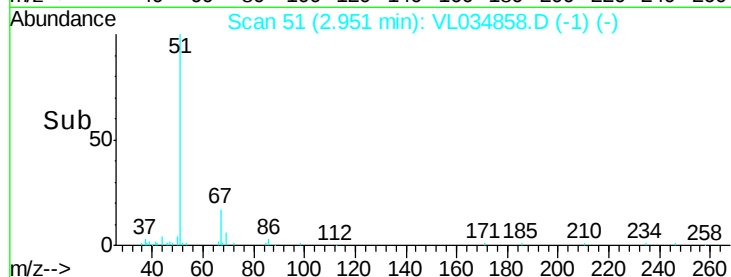
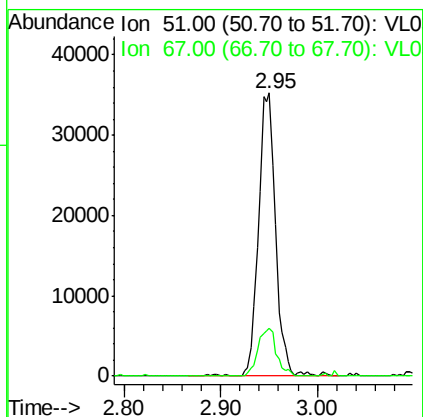
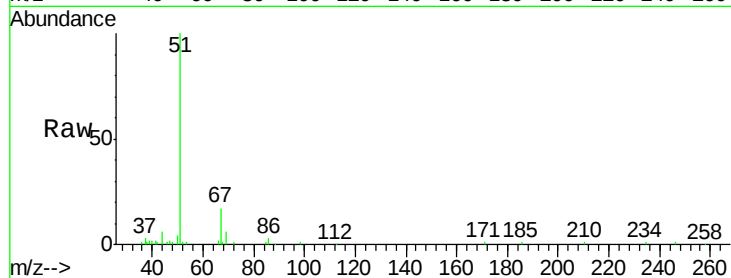
67 18.4 14.3 21.5

Manual Integrations

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#4

Chloromethane

Concen: 0.448 ppbv

RT: 3.10 min Scan# 98

Delta R.T. 0.00 min

Lab File: VL034858.D

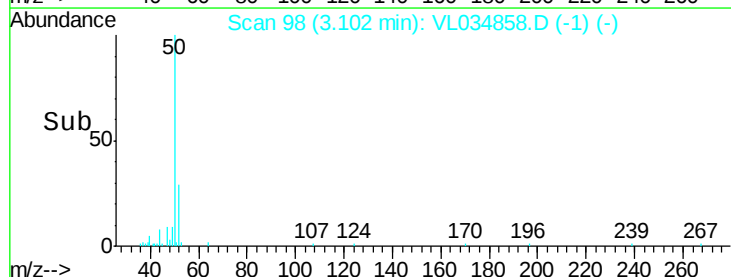
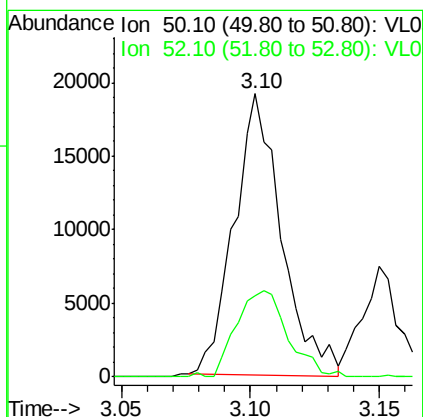
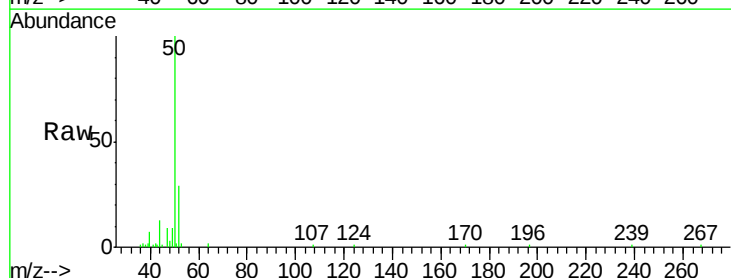
Acq: 10 Mar 2020 3:43

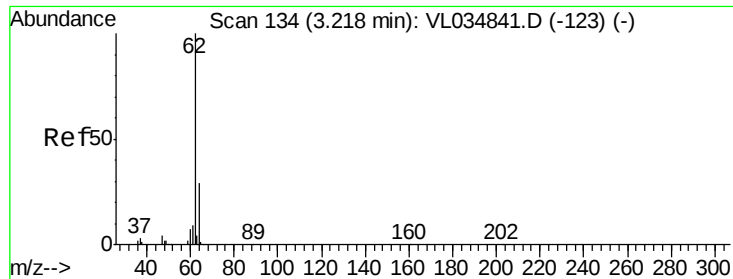
Tgt Ion: 50 Resp: 24516

Ion Ratio Lower Upper

50 100

52 28.8 26.8 40.2





#5

Vinyl Chloride

Concen: 0.405 ppbv

RT: 3.22 min Scan# 134

Delta R.T. 0.00 min

Lab File: VL034858.D

Acq: 10 Mar 2020 3:43

Instrument :

MSVOA_L

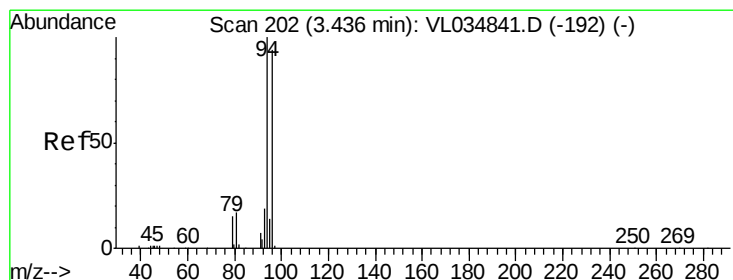
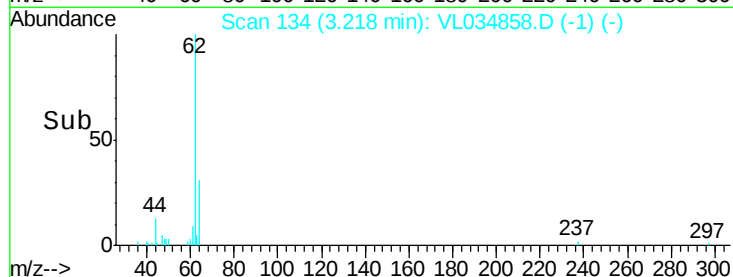
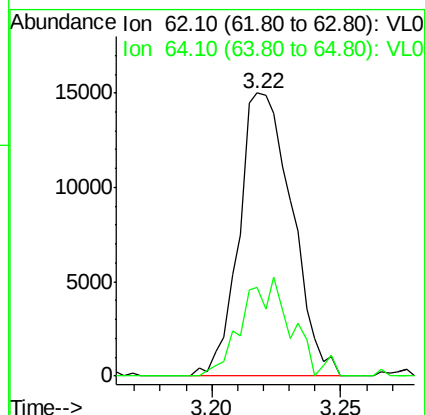
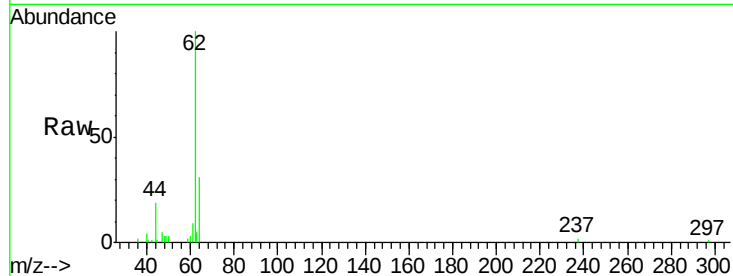
ClientSampleId :

LOD-MDL-AIR-01-QT1-2020

Tot Ion	Ratio	Lower	Upper
62	100		
64	31.4	23.0	34.4

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#6

Bromomethane

Concen: 0.471 ppbv

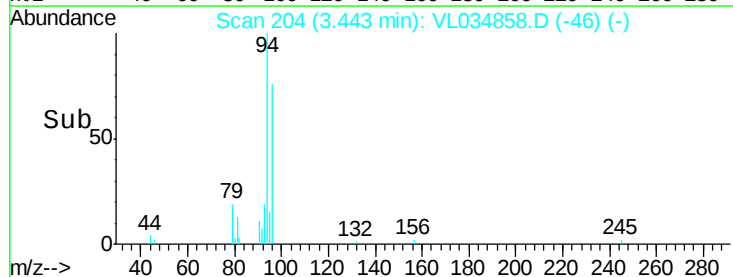
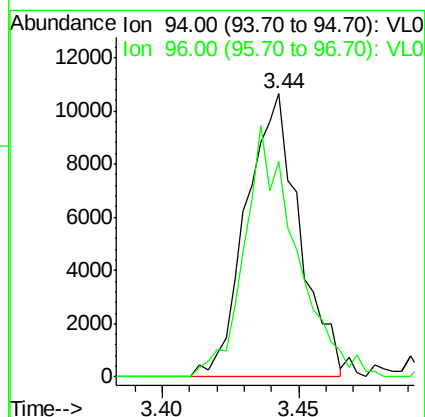
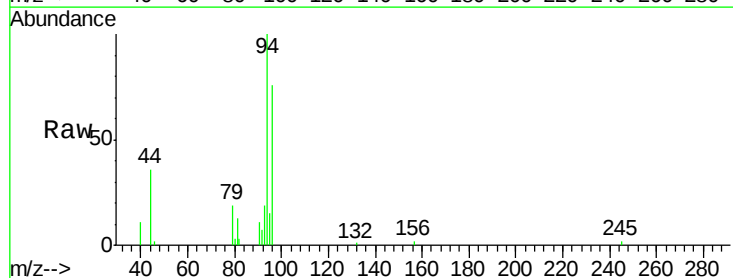
RT: 3.44 min Scan# 204

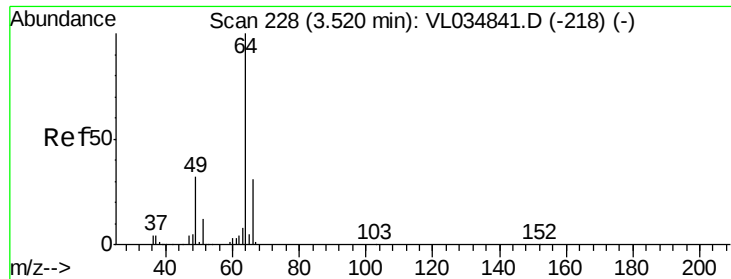
Delta R.T. 0.01 min

Lab File: VL034858.D

Acq: 10 Mar 2020 3:43

Tgt Ion	Ratio	Lower	Upper
94	100		
96	76.2	75.5	113.3





#7

Chloroethane

Concen: 0.490 ppbv m

RT: 3.52 min Scan# 229

Delta R.T. 0.00 min

Lab File: VL034858.D

Acq: 10 Mar 2020 3:43

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT1-2020

Tot Ion: 64 Resp: 9302

Ion Ratio Lower Upper

64 100

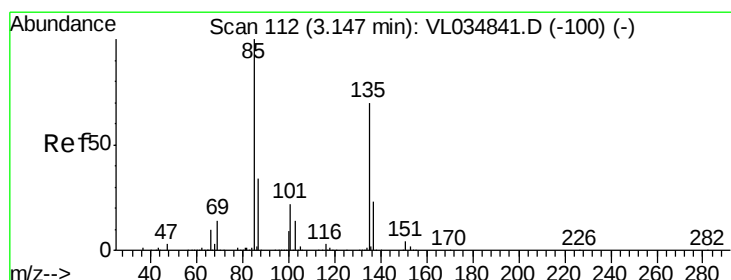
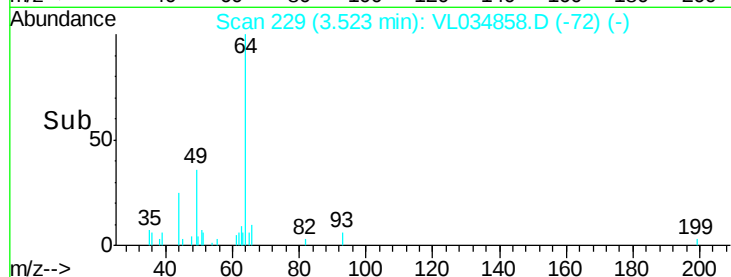
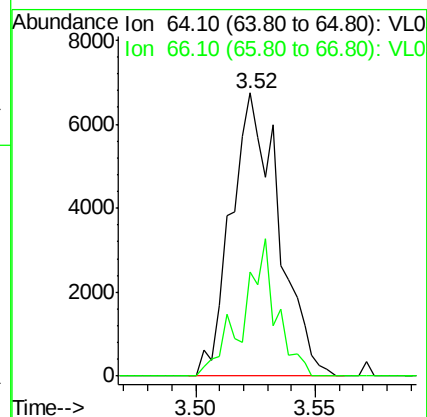
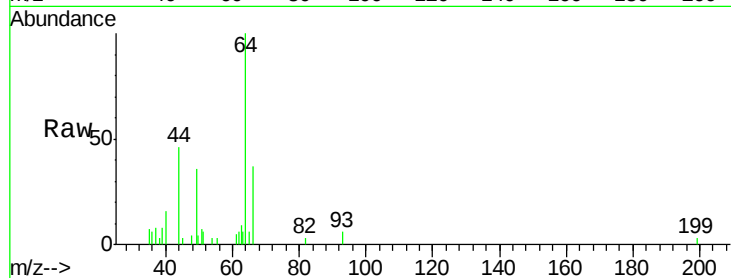
66 36.7 24.8 37.2

Manual Integrations

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#8

Dichlorotetrafluoroethane

Concen: 0.475 ppbv

RT: 3.15 min Scan# 113

Delta R.T. 0.00 min

Lab File: VL034858.D

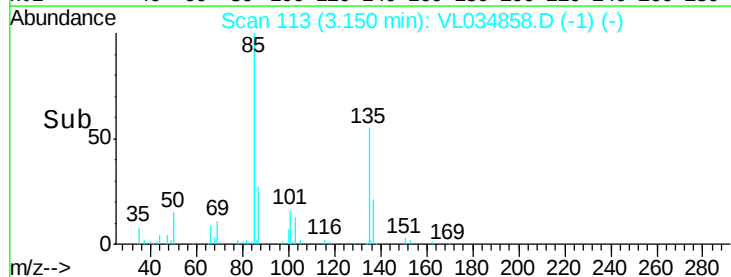
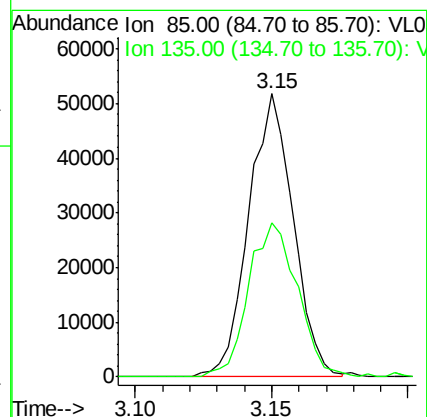
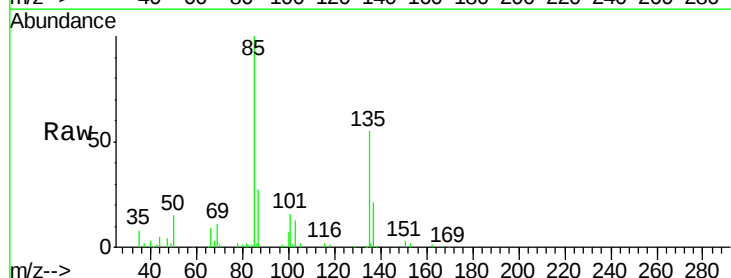
Acq: 10 Mar 2020 3:43

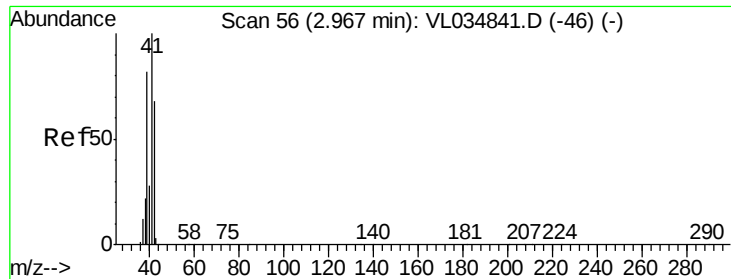
Tgt Ion: 85 Resp: 58568

Ion Ratio Lower Upper

85 100

135 60.3 54.3 81.5





#9

Propene

Concen: 0.416 ppbv

RT: 2.97 min Scan# 57

Delta R.T. 0.00 min

Lab File: VL034858.D

Acq: 10 Mar 2020 3:43

Instrument :

MSVOA_L

ClientSampleId :

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Tot Ion: 41 Resp: 19230

Ion Ratio Lower Upper

41 100

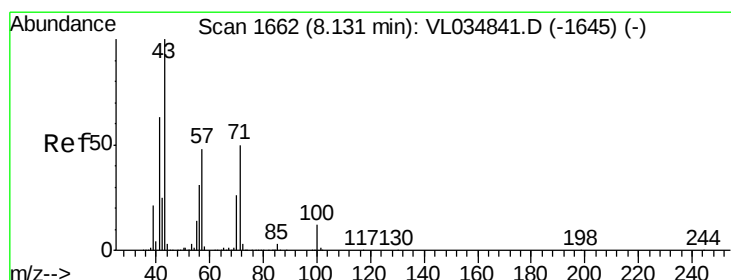
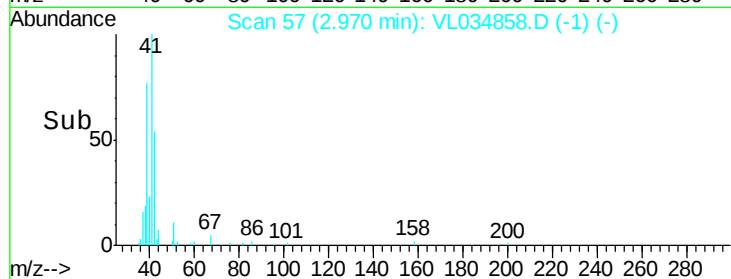
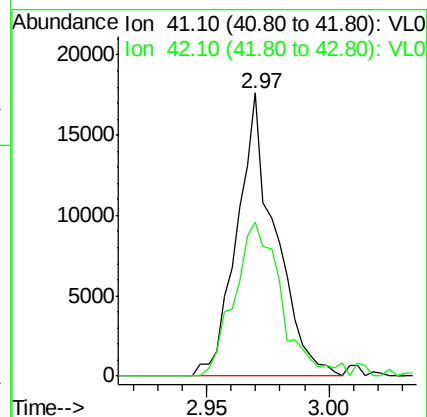
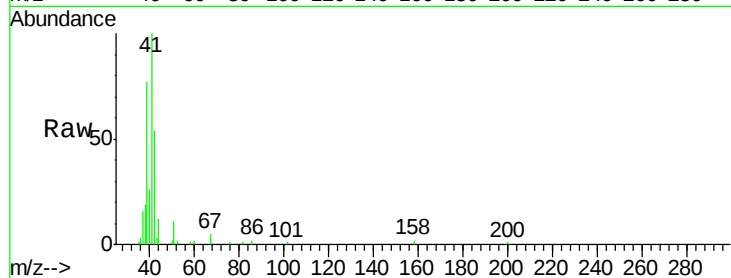
42 68.6 55.2 82.8

Manual Integrations

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#10

Heptane

Concen: 0.364 ppbv

RT: 8.12 min Scan# 1660

Delta R.T. -0.01 min

Lab File: VL034858.D

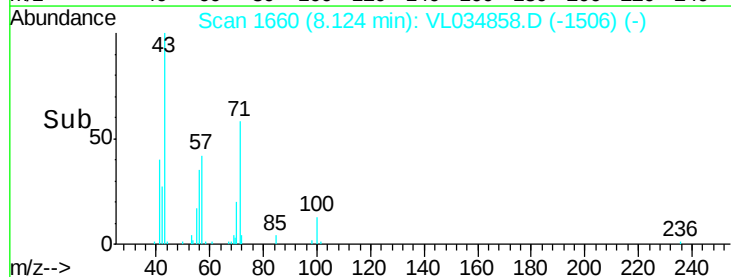
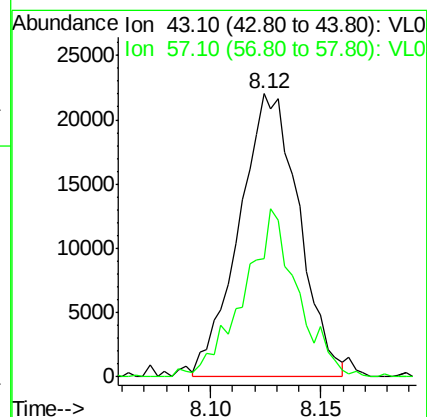
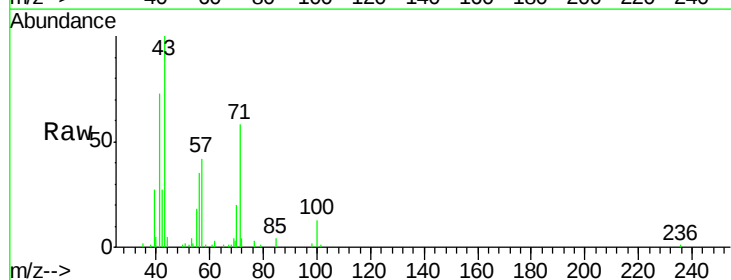
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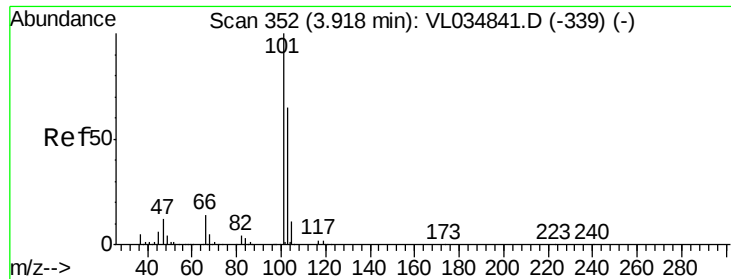
Tgt Ion: 43 Resp: 41396

Ion Ratio Lower Upper

43 100

57 53.6 39.7 59.5





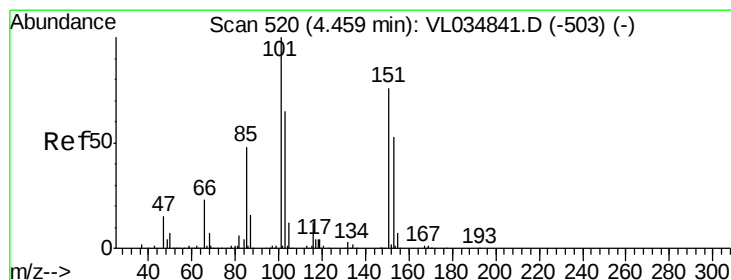
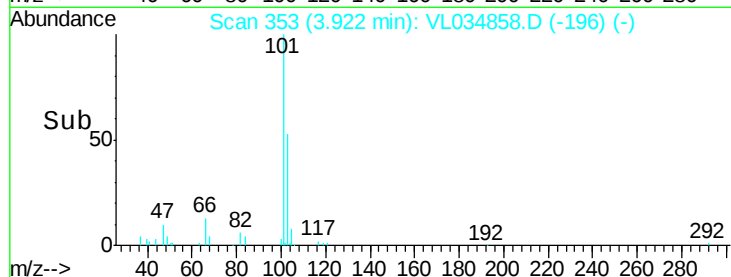
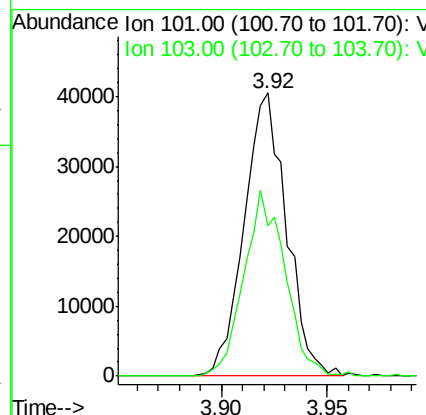
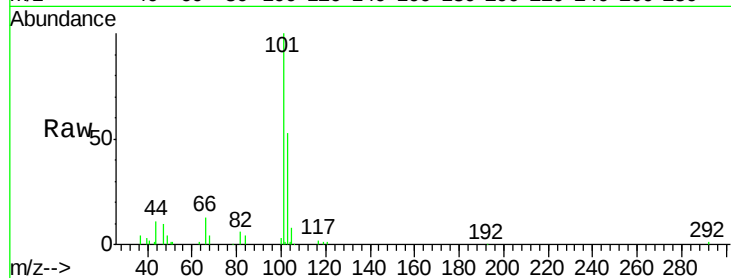
#11
 Trichlorofluoromethane
 Concen: 0.448 ppbv
 RT: 3.92 min Scan# 353
 Delta R.T. 0.00 min
 Lab File: VL034858.D
 Acq: 10 Mar 2020 3:43

Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT1-2020

Tot Ion	Ratio	Lower	Upper
101	100		
103	53.0	51.8	77.8

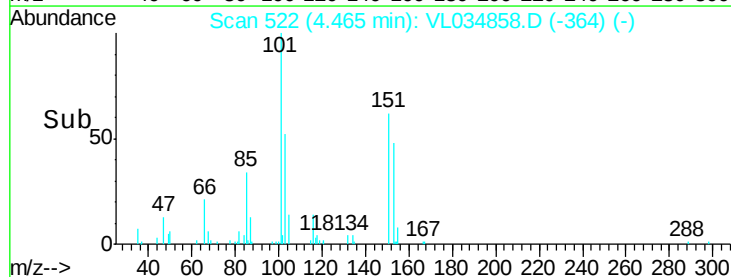
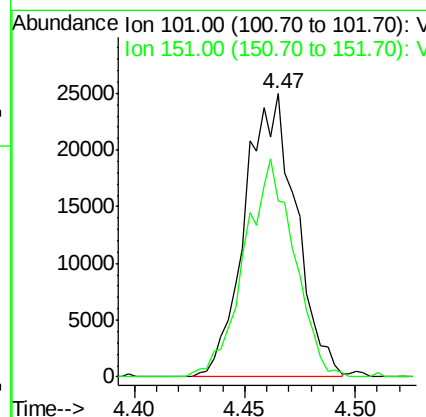
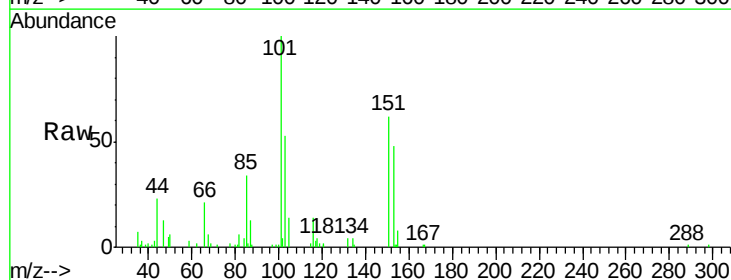
Manual Integrations
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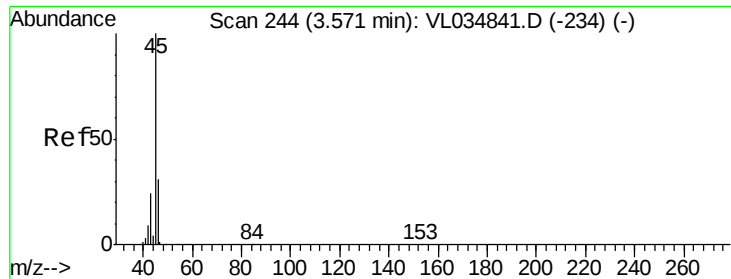
MMDadoda
 3/11/2020 3:26:20 PM



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.455 ppbv
 RT: 4.47 min Scan# 522
 Delta R.T. 0.01 min
 Lab File: VL034858.D
 Acq: 10 Mar 2020 3:43

Tgt Ion	Ratio	Lower	Upper
101	100		
151	74.7	60.8	91.2





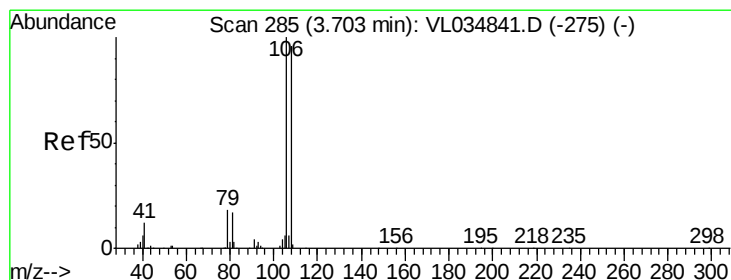
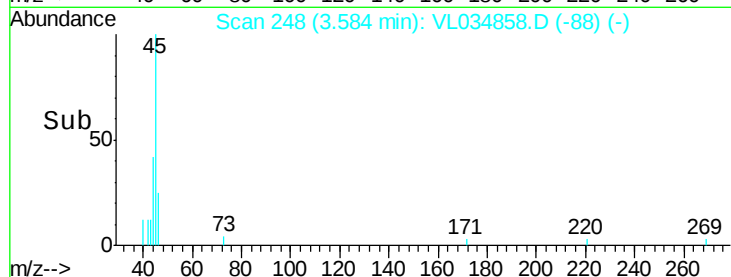
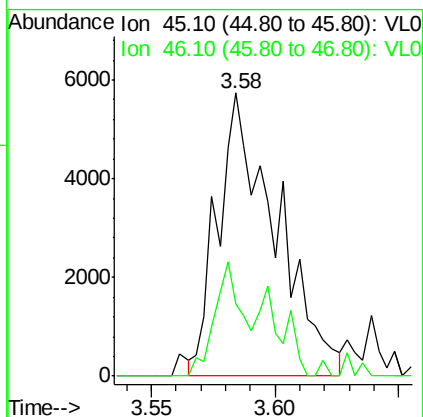
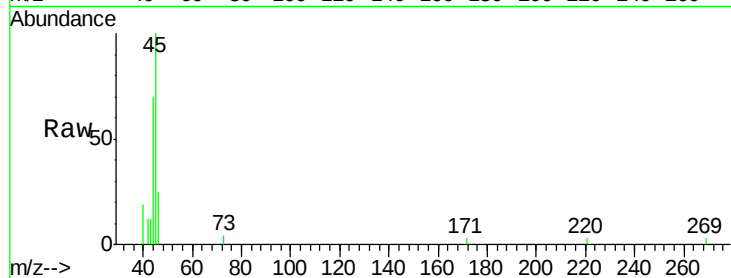
#13
Ethanol
Concen: 0.667 ppbv m
RT: 3.58 min Scan# 248
Delta R.T. 0.01 min
Lab File: VL034858.D
Acq: 10 Mar 2020 3:43

Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT1-2020

Tot Ion: 45 Resp: 9379
Ion Ratio Lower Upper
45 100
46 34.5 16.0 64.0

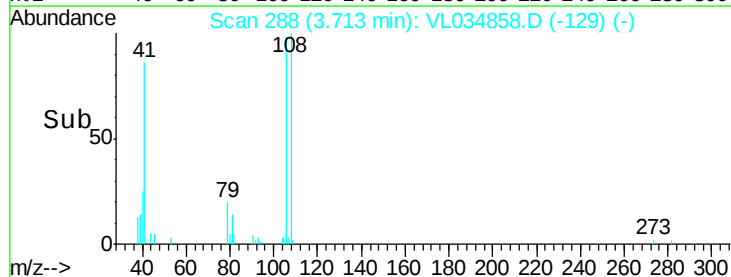
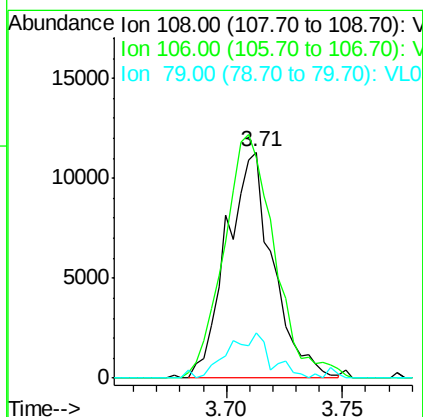
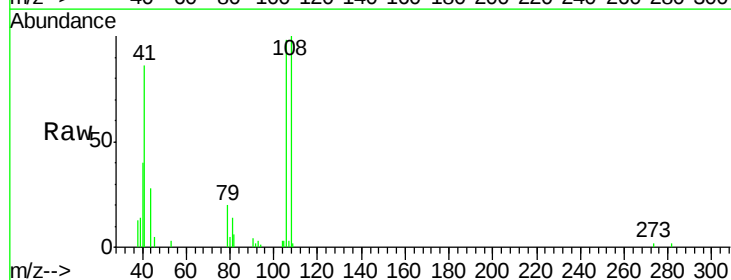
Manual Integrations
APPROVED

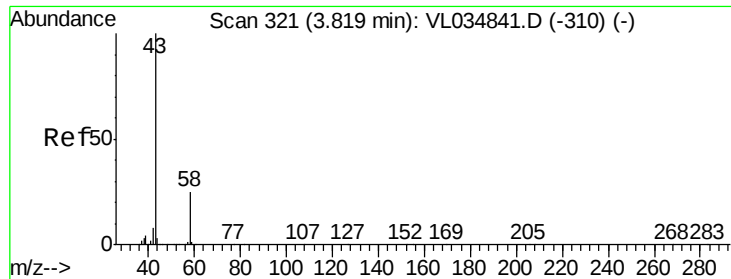
MMDadoda
3/11/2020 3:26:20 PM



#14
Bromoethene
Concen: 0.412 ppbv
RT: 3.71 min Scan# 288
Delta R.T. 0.01 min
Lab File: VL034858.D
Acq: 10 Mar 2020 3:43

Tgt Ion: 108 Resp: 15727
Ion Ratio Lower Upper
108 100
106 117.2 85.1 127.7
79 19.5 14.7 22.1





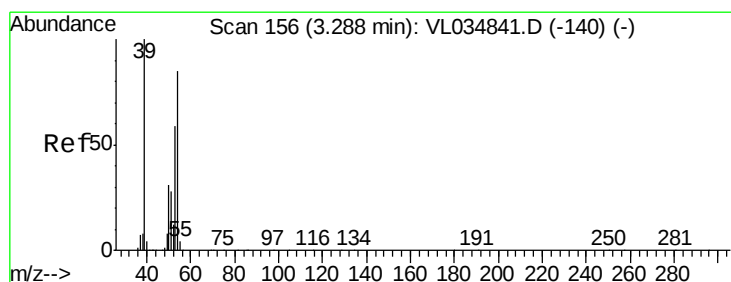
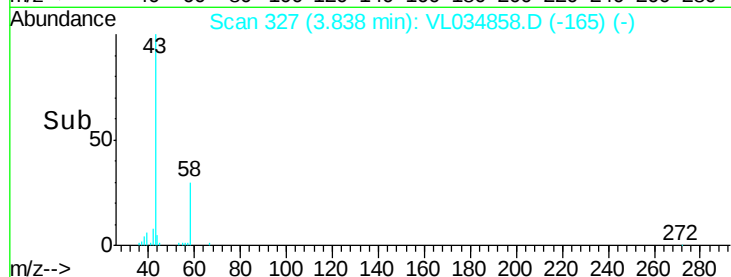
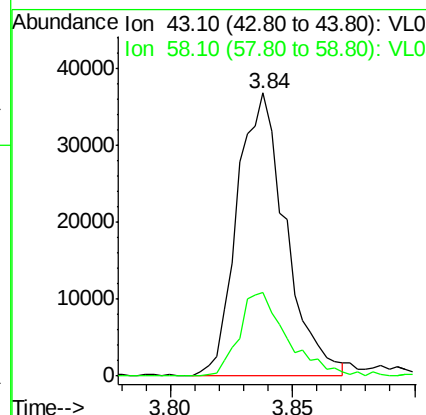
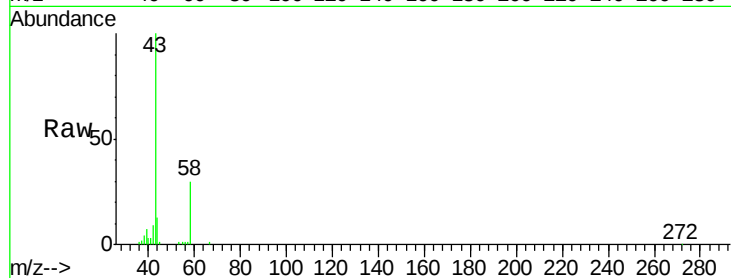
#15
Acetone
Concen: 0.453 ppbv
RT: 3.84 min Scan# 327
Delta R.T. 0.02 min
Lab File: VL034858.D
Acq: 10 Mar 2020 3:43

Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT1-2020

Tot Ion	Ratio	Lower	Upper
43	100		
58	29.9	21.0	31.6

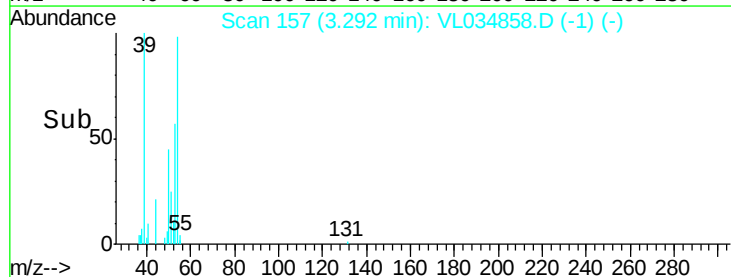
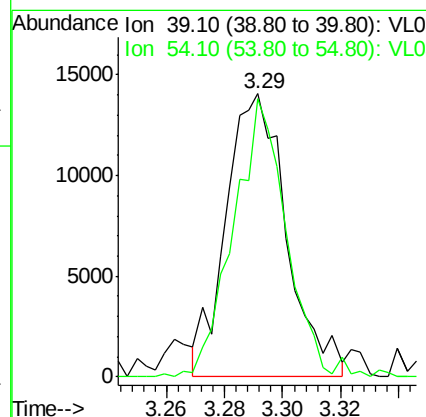
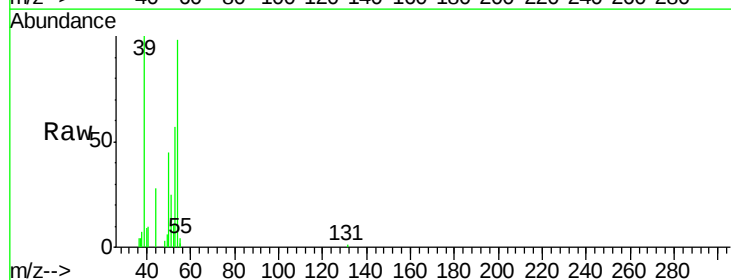
Manual Integrations
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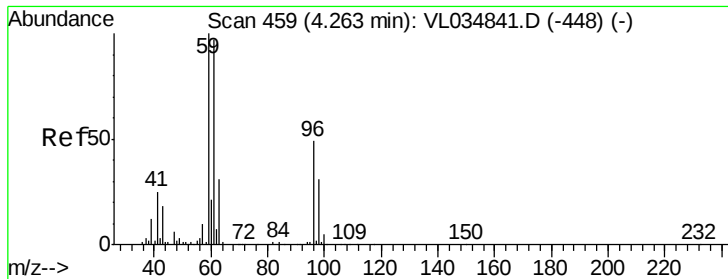
MMDadoda
3/11/2020 3:26:20 PM



#16
1,3-Butadiene
Concen: 0.401 ppbv
RT: 3.29 min Scan# 157
Delta R.T. 0.00 min
Lab File: VL034858.D
Acq: 10 Mar 2020 3:43

Tgt Ion	Ratio	Lower	Upper
39	100		
54	86.6	65.0	97.6





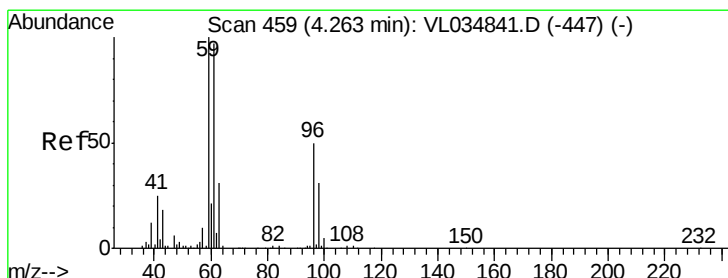
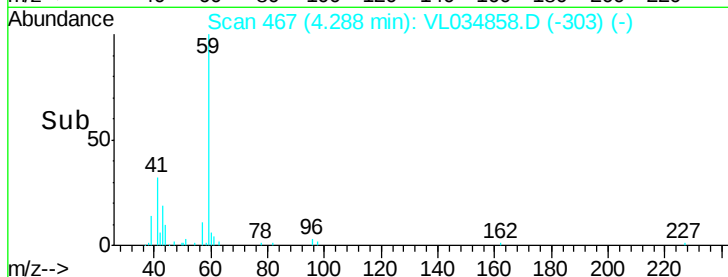
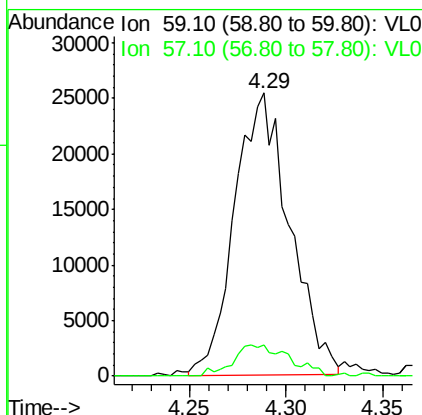
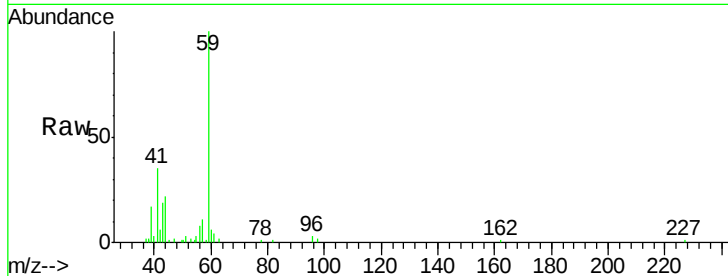
#17
tert-Butyl alcohol
Concen: 0.465 ppbv
RT: 4.29 min Scan# 467
Delta R.T. 0.03 min
Lab File: VL034858.D
Acq: 10 Mar 2020 3:43

Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT1-2020

Tot Ion	Ratio	Lower	Upper
59	100		
57	11.6	8.3	12.5

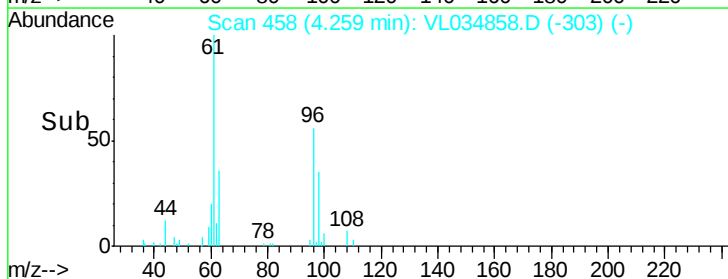
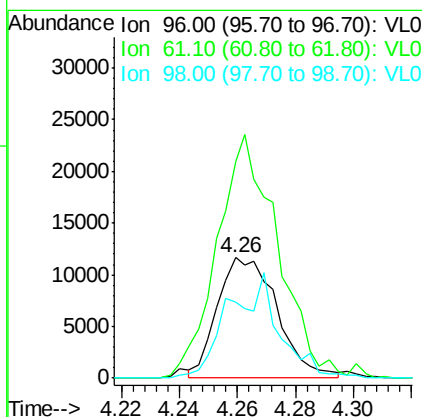
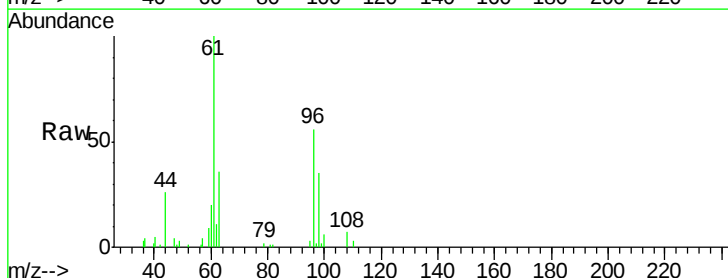
Manual Integrations
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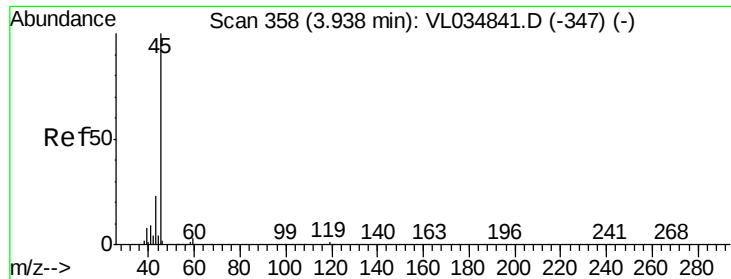
MMDadoda
3/11/2020 3:26:20 PM



#18
1,1-Dichloroethene
Concen: 0.426 ppbv
RT: 4.26 min Scan# 458
Delta R.T. -0.00 min
Lab File: VL034858.D
Acq: 10 Mar 2020 3:43

Tgt Ion	Ratio	Lower	Upper
96	100		
61	183.5	157.3	235.9
98	65.7	50.2	75.4





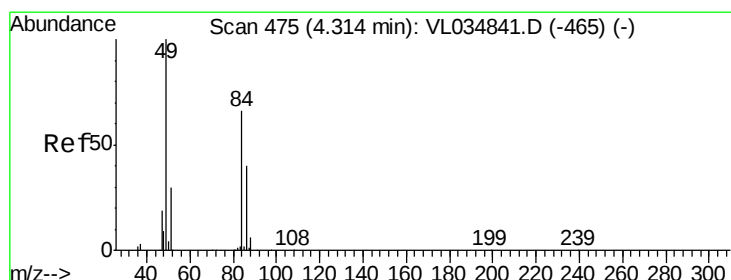
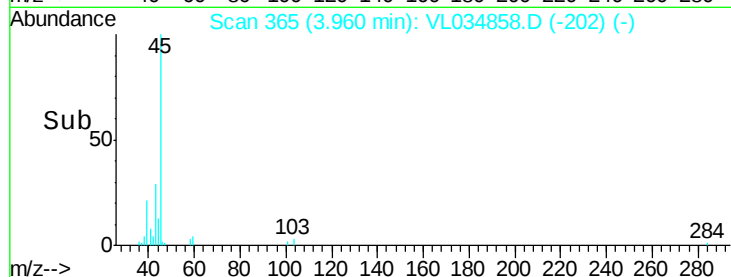
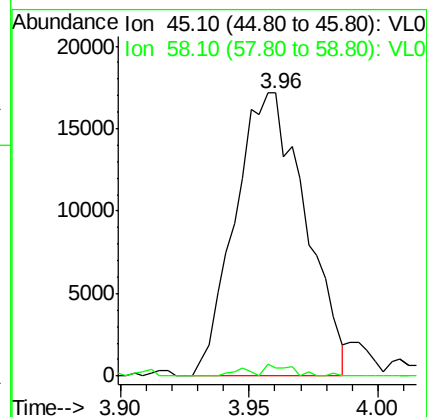
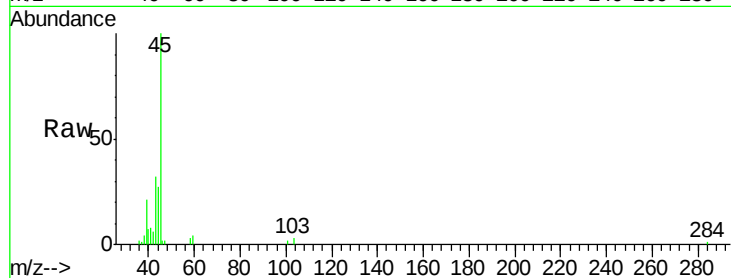
#19
Isopropyl Alcohol
Concen: 0.460 ppbv
RT: 3.96 min Scan# 365
Delta R.T. 0.02 min
Lab File: VL034858.D
Acq: 10 Mar 2020 3:43

Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT1-2020

Tot Ion	Ratio	Lower	Upper
45	100		
58	2.3	30.5	45.7#

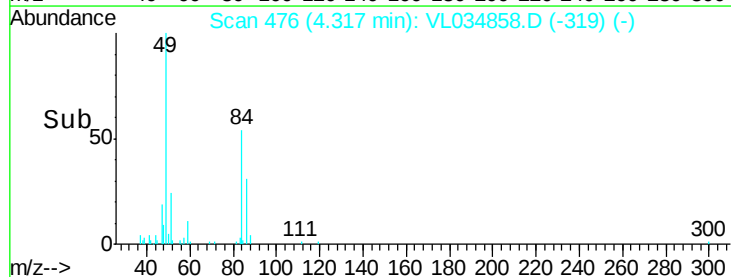
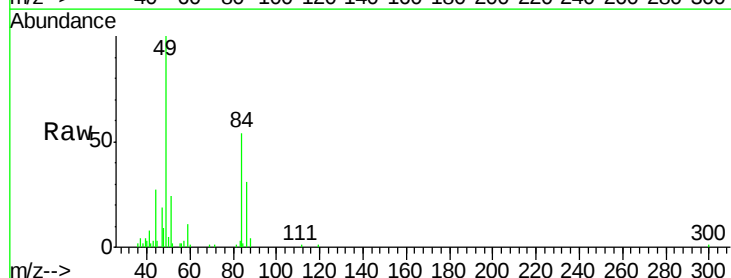
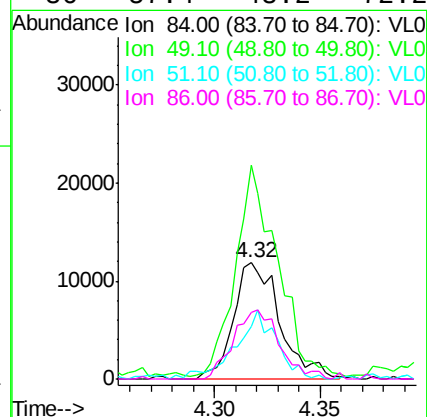
Manual Integrations
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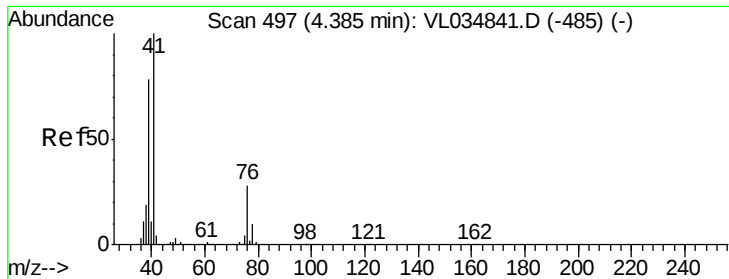
MMDadoda
3/11/2020 3:26:20 PM



#20
Methylene Chloride
Concen: 0.506 ppbv m
RT: 4.32 min Scan# 476
Delta R.T. 0.00 min
Lab File: VL034858.D
Acq: 10 Mar 2020 3:43

Tgt Ion	Ratio	Lower	Upper
84	100		
49	183.9	121.5	182.3#
51	44.8	36.6	55.0
86	57.4	48.2	72.2





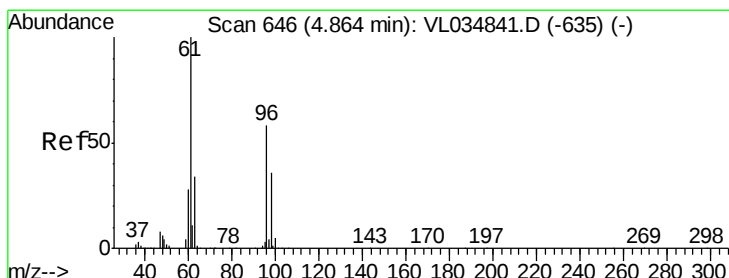
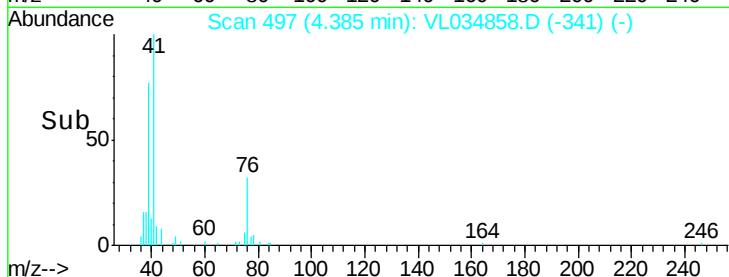
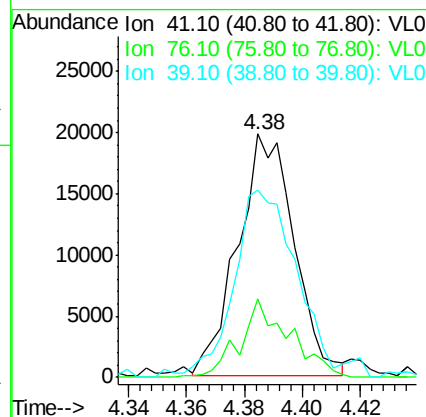
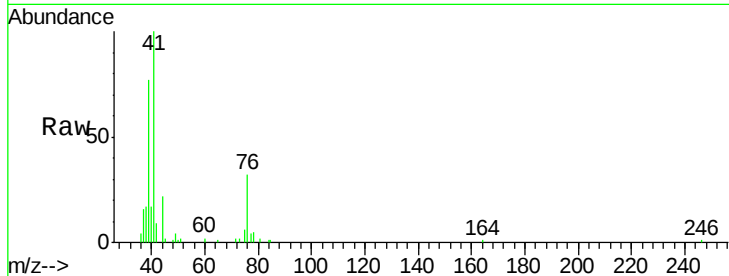
#21
Allvl Chloride
Concen: 0.371 ppbv
RT: 4.38 min Scan# 497
Delta R.T. 0.00 min
Lab File: VL034858.D
Acq: 10 Mar 2020 3:43

Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT1-2020

Tot Ion	Ratio	Lower	Upper
41	100		
76	28.4	22.2	33.2
39	88.9	62.6	93.8

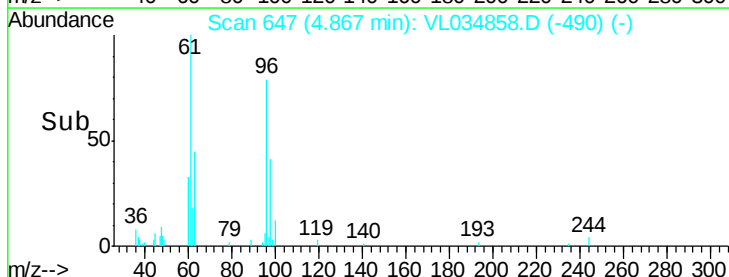
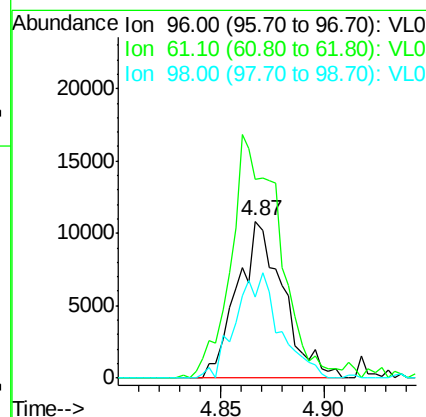
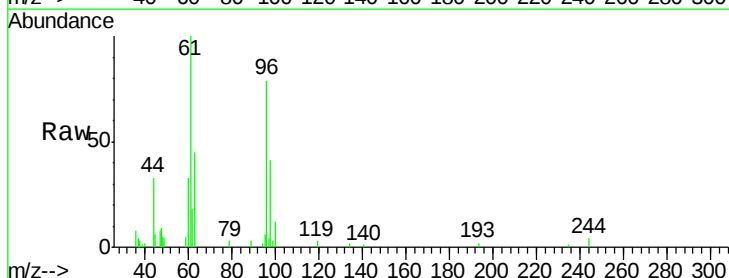
Manual Integrations
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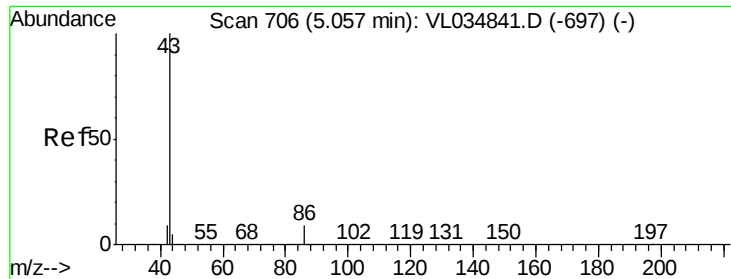
MMDadoda
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#22
trans-1,2-Dichloroethene
Concen: 0.423 ppbv m
RT: 4.87 min Scan# 647
Delta R.T. 0.00 min
Lab File: VL034858.D
Acq: 10 Mar 2020 3:43

Tgt Ion	Ratio	Lower	Upper
96	100		
61	127.1	139.0	208.6#
98	51.9	50.3	75.5





#23

Vinyl Acetate

Concen: 0.381 ppbv

RT: 5.06 min Scan# 706

Delta R.T. 0.00 min

Lab File: VL034858.D

Acq: 10 Mar 2020 3:43

Instrument :

MSVOA_L

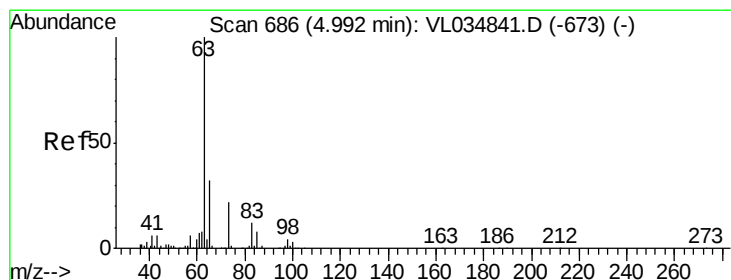
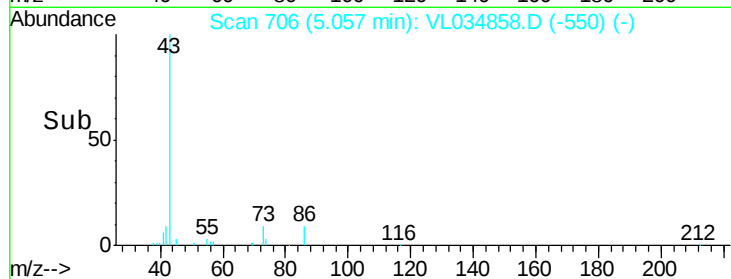
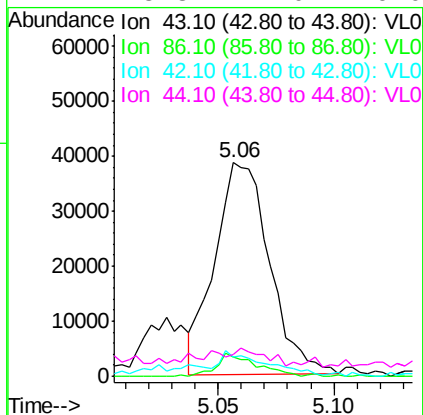
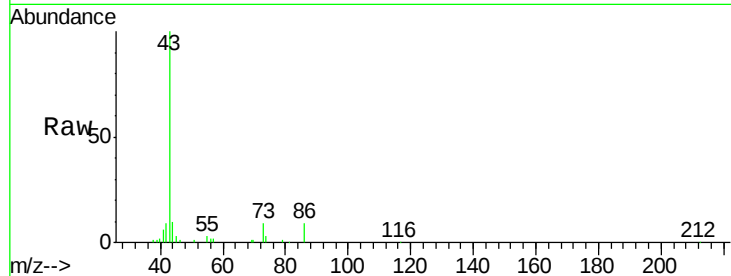
ClientSampleId :

LOD-MDL-AIR-01-QT1-2020

Tot Ion	Ion	Ratio	Resp	Lower	Upper
43	100		63163		
86	9.2	6.3	9.5		
42	7.1	7.8	11.8#		
44	5.8	4.0	6.0		

Manual Integrations
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#24

1,1-Dichloroethane

Concen: 0.429 ppbv

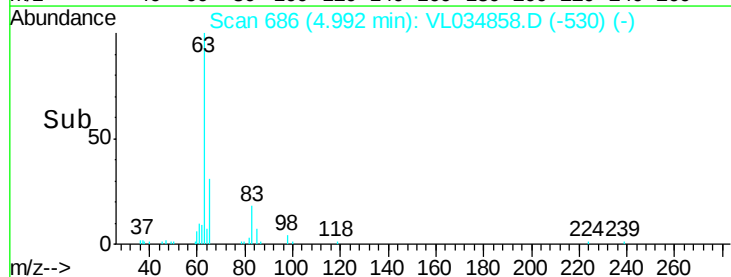
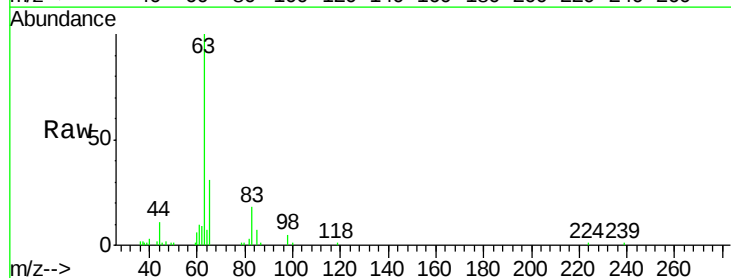
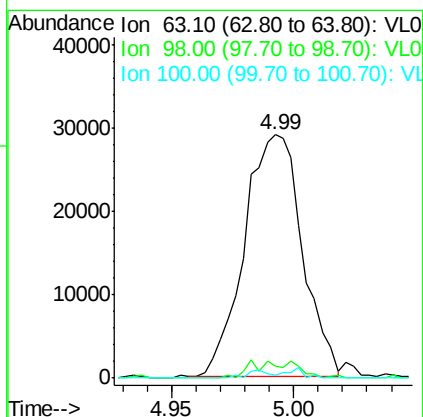
RT: 4.99 min Scan# 686

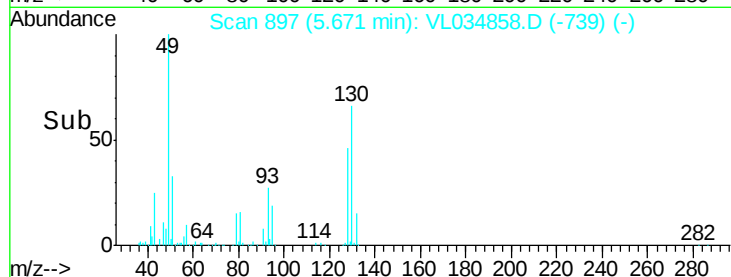
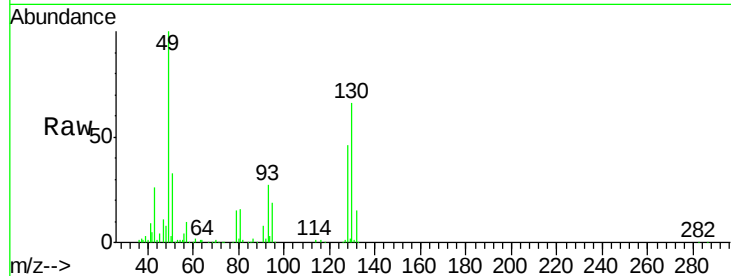
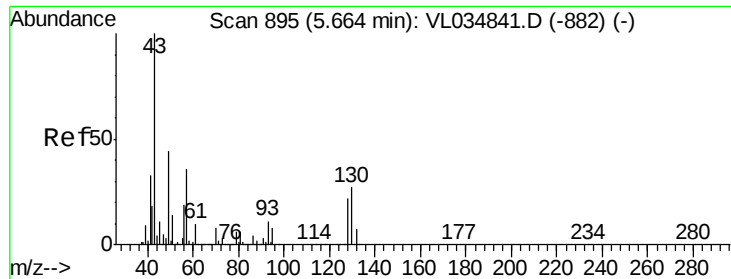
Delta R.T. 0.00 min

Lab File: VL034858.D

Acq: 10 Mar 2020 3:43

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
63	100		47764		
98	5.0	2.0	5.8		
100	1.0	1.4	4.0#		





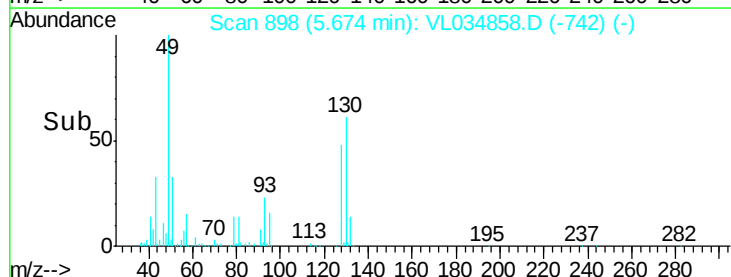
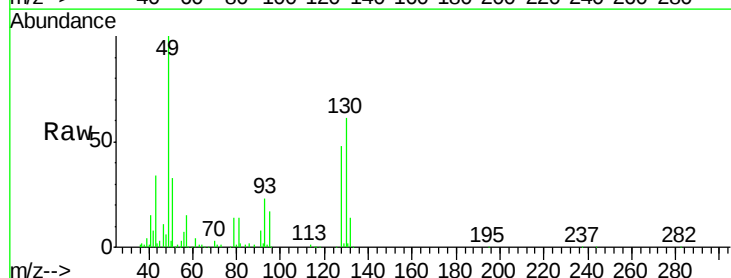
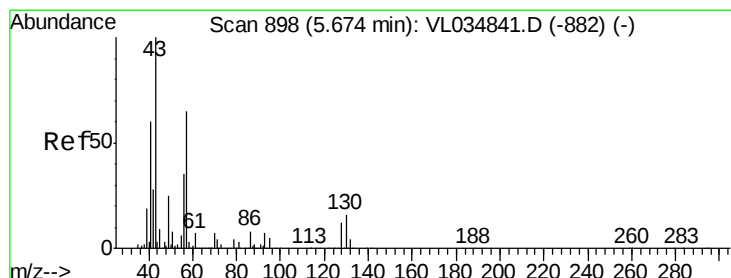
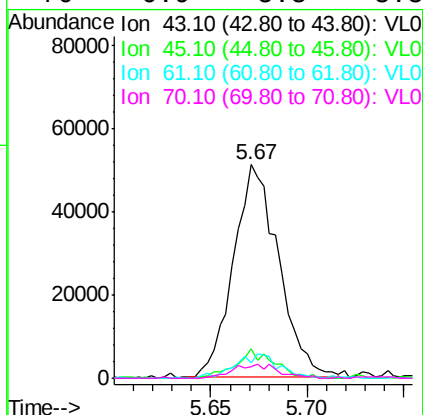
#25
Ethyl Acetate
Concen: 0.414 ppbv
RT: 5.67 min Scan# 897
Delta R.T. 0.01 min
Lab File: VL034858.D
Acq: 10 Mar 2020 3:43

Tot Ion	Ratio	Lower	Upper
43	100		
45	12.0	8.2	12.2
61	11.4	7.8	11.6
70	6.9	5.8	8.8

Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT1-2020

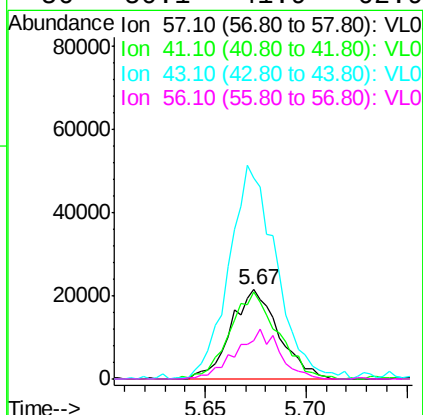
Manual Integrations
APPROVED

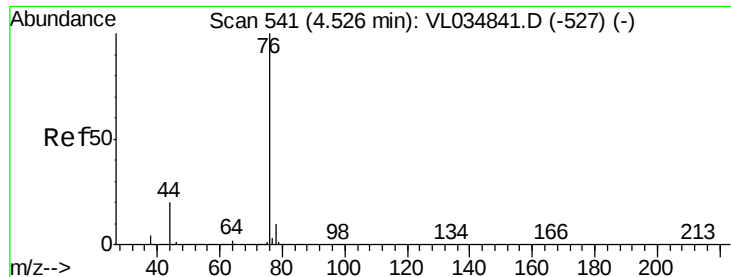
MMDadoda
3/11/2020 3:26:20 PM



#26
Hexane
Concen: 0.413 ppbv
RT: 5.67 min Scan# 898
Delta R.T. 0.00 min
Lab File: VL034858.D
Acq: 10 Mar 2020 3:43

Tgt Ion	Ratio	Lower	Upper
57	100		
41	99.9	72.6	109.0
43	237.8	183.8	275.6
56	50.1	41.9	62.9





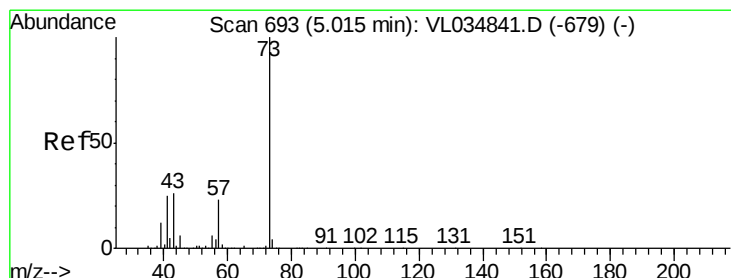
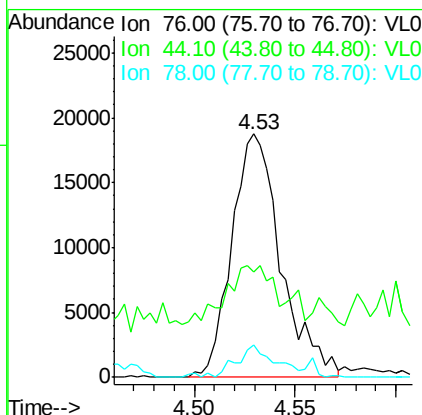
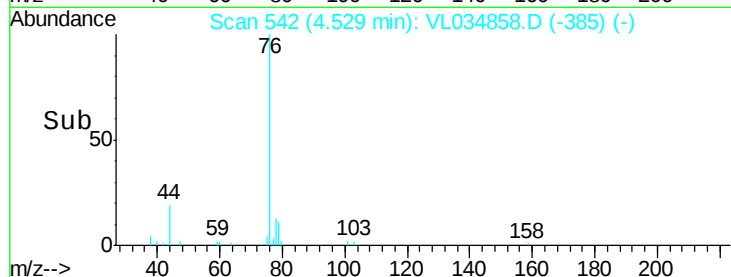
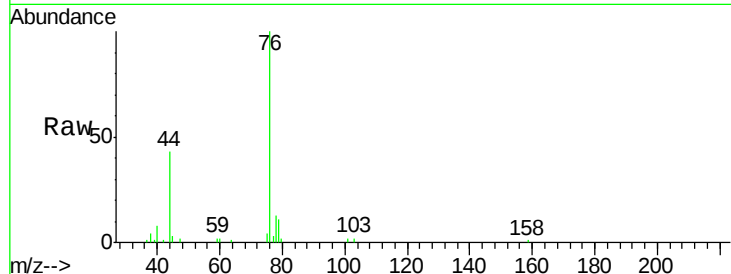
#27
Carbon Disulfide
Concen: 0.327 ppbv
RT: 4.53 min Scan# 542
Delta R.T. 0.00 min
Lab File: VL034858.D
Acq: 10 Mar 2020 3:43

Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT1-2020

Tot Ion	Ratio	Lower	Upper
76	100		
44	43.9	16.2	24.2#
78	12.3	7.8	11.6#

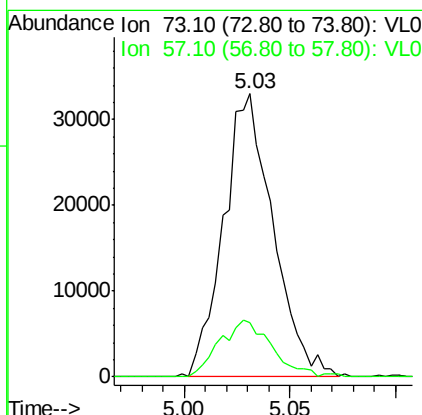
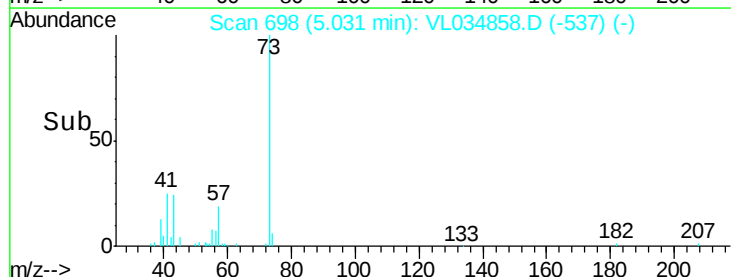
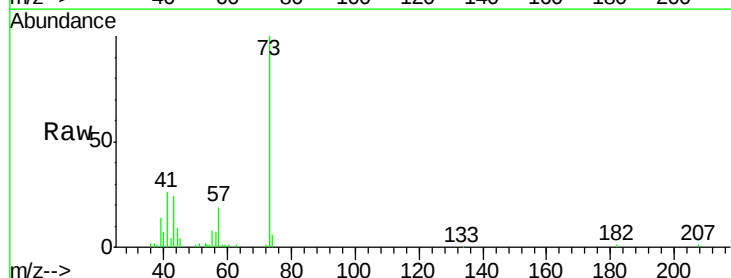
Manual Integrations
APPROVED

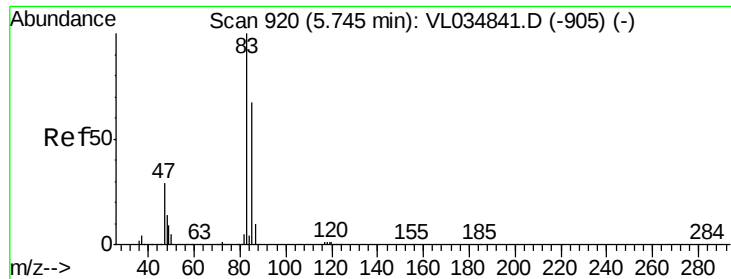
MMDadoda
3/11/2020 3:26:20 PM



#28
Methyl tert-Butyl Ether
Concen: 0.375 ppbv
RT: 5.03 min Scan# 698
Delta R.T. 0.02 min
Lab File: VL034858.D
Acq: 10 Mar 2020 3:43

Tgt Ion	Ratio	Lower	Upper
73	100		
57	21.2	18.3	27.5





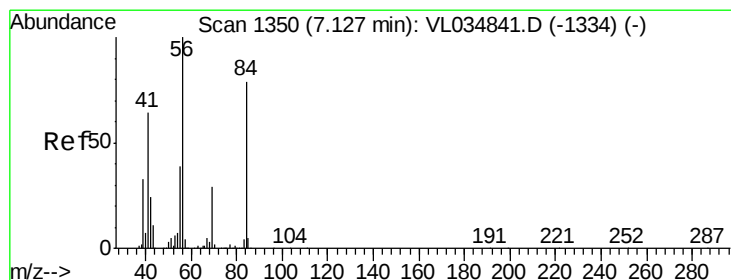
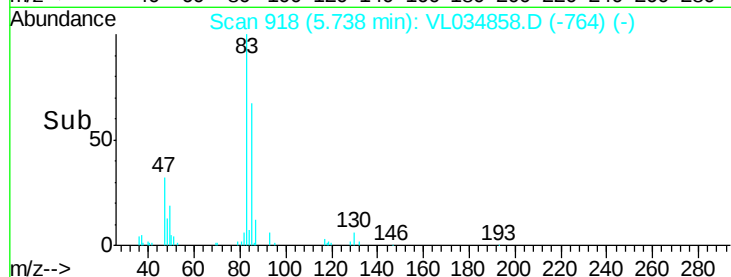
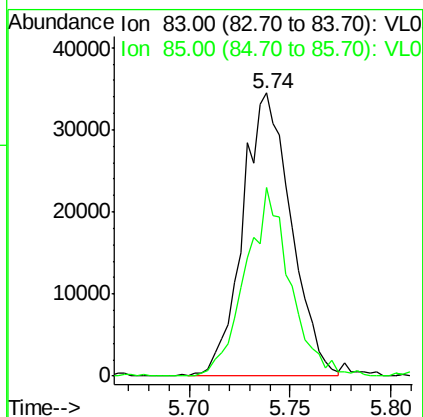
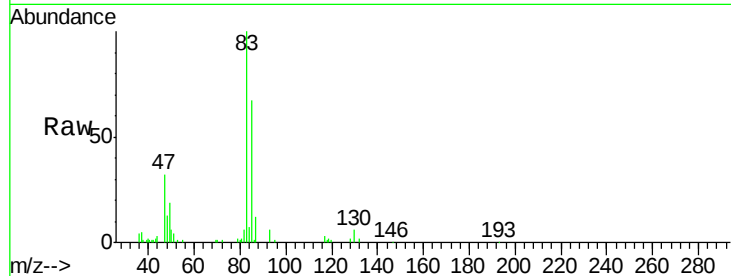
#29
Chloroform
Concen: 0.440 ppbv
RT: 5.74 min Scan# 918
Delta R.T. -0.01 min
Lab File: VL034858.D
Acq: 10 Mar 2020 3:43

Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT1-2020

Tot Ion	83	Resp	57907
Ion Ratio	100	Lower	Upper
83	100		
85	66.8	53.8	80.6

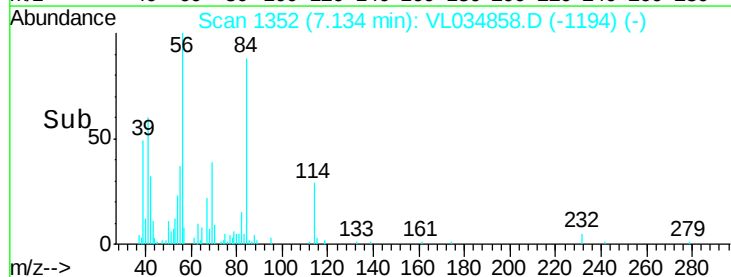
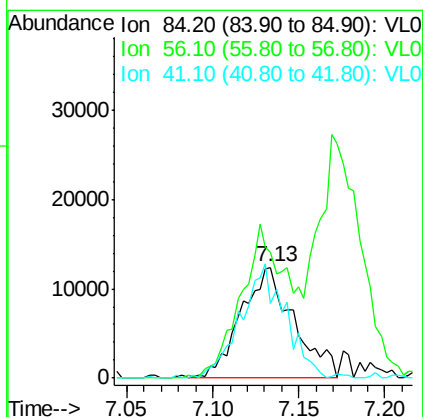
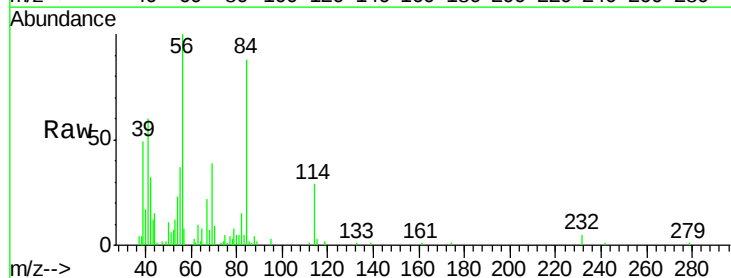
Manual Integrations
APPROVED

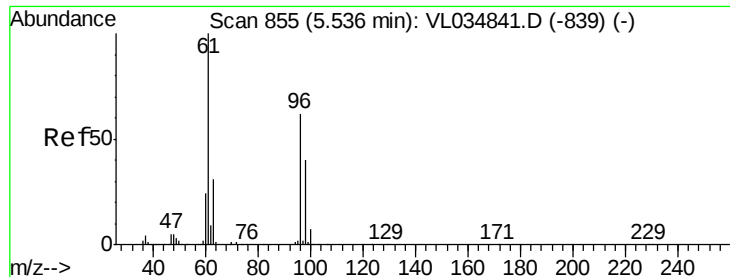
MMDadoda
3/11/2020 3:26:20 PM



#30
Cyclohexane
Concen: 0.369 ppbv m
RT: 7.13 min Scan# 1352
Delta R.T. 0.01 min
Lab File: VL034858.D
Acq: 10 Mar 2020 3:43

Tgt Ion	84	Resp	26519
Ion Ratio	100	Lower	Upper
84	100		
56	125.7	110.5	165.7
41	89.0	68.2	102.4





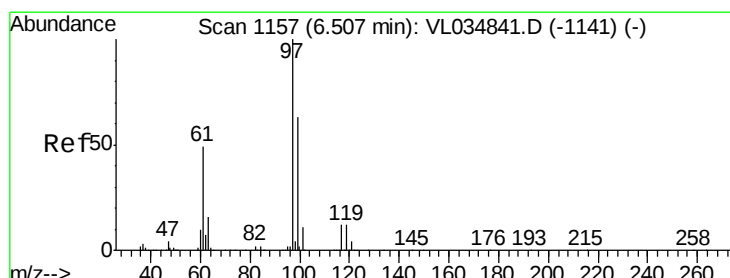
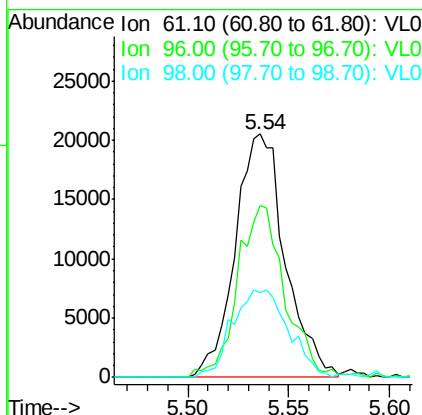
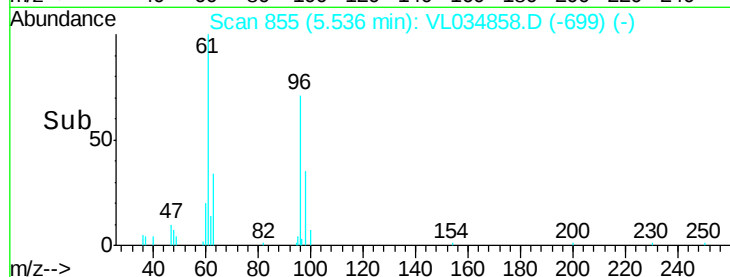
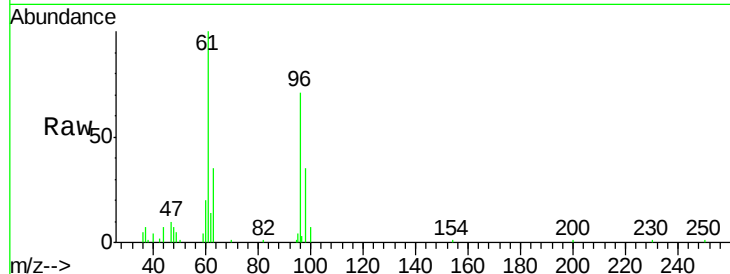
#31
 cis-1,2-Dichloroethene
 Concen: 0.403 ppbv
 RT: 5.54 min Scan# 855
 Delta R.T. 0.00 min
 Lab File: VL034858.D
 Acq: 10 Mar 2020 3:43

Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT1-2020

Tot Ion	Ratio	Lower	Upper
61	100		
96	70.9	49.8	74.8
98	34.6	32.2	48.4

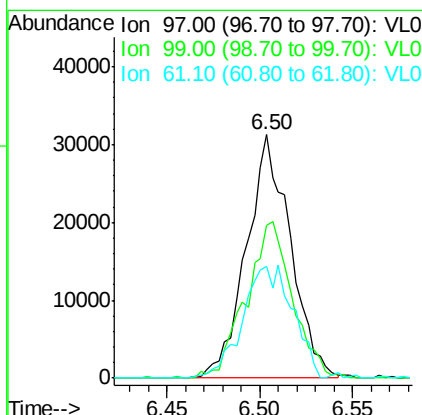
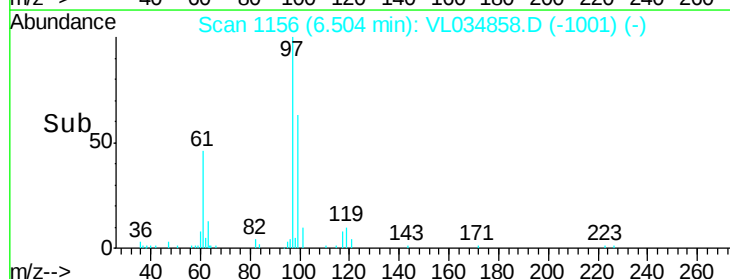
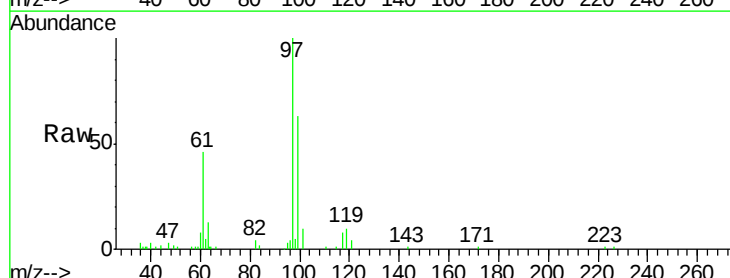
Manual Integrations
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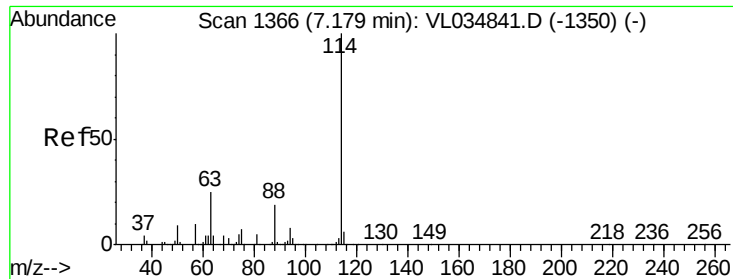
MMDadoda
 3/11/2020 3:26:20 PM



#32
 1,1,1-Trichloroethane
 Concen: 0.401 ppbv
 RT: 6.50 min Scan# 1156
 Delta R.T. -0.00 min
 Lab File: VL034858.D
 Acq: 10 Mar 2020 3:43

Tgt Ion	Ratio	Lower	Upper
97	100		
99	67.7	51.1	76.7
61	53.3	39.7	59.5





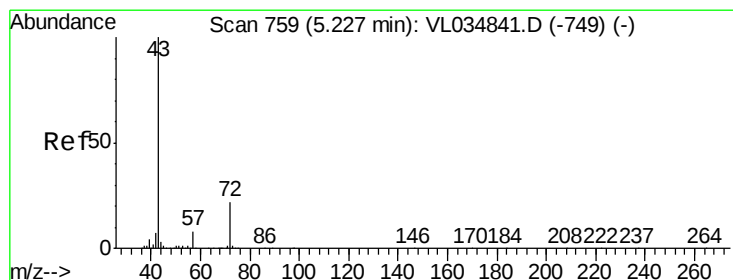
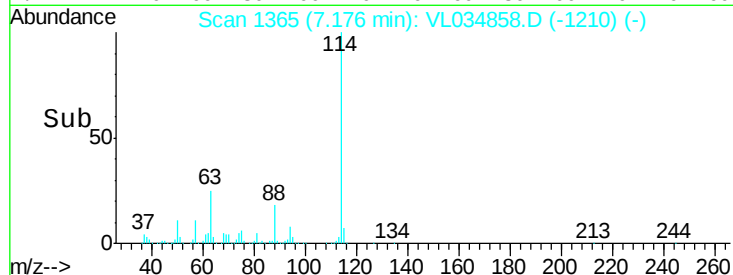
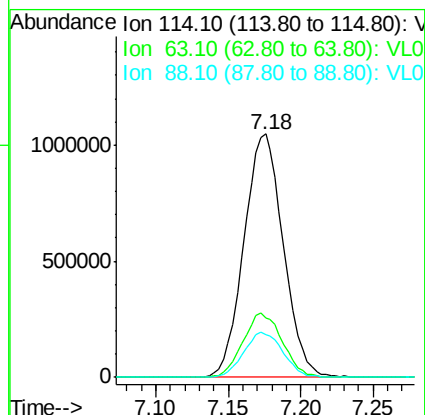
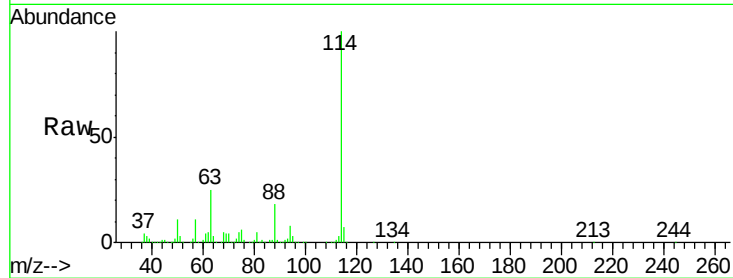
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.18 min Scan# 1365
 Delta R.T. -0.00 min
 Lab File: VL034858.D
 Acq: 10 Mar 2020 3:43

Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT1-2020

Tot Ion	Ratio	Lower	Upper
114	100		
63	26.7	20.6	31.0
88	18.7	15.0	22.6

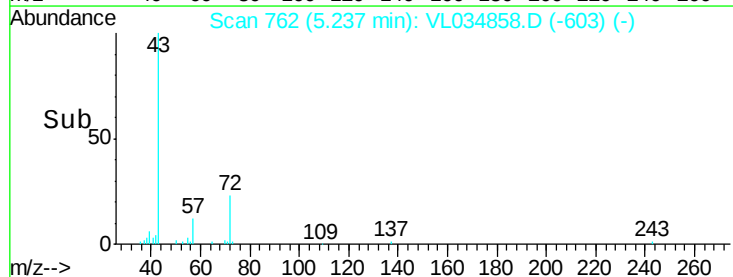
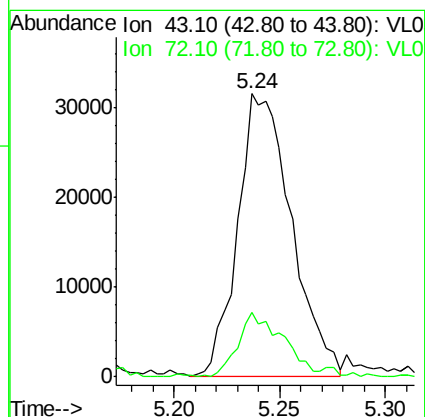
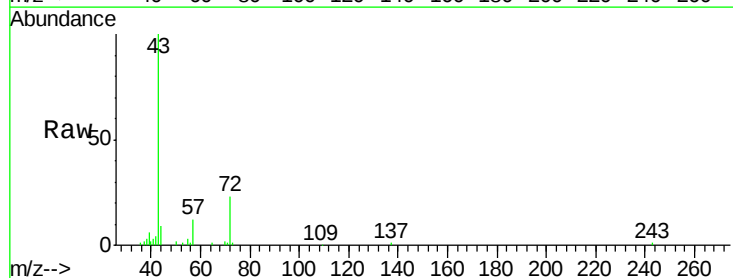
Manual Integrations
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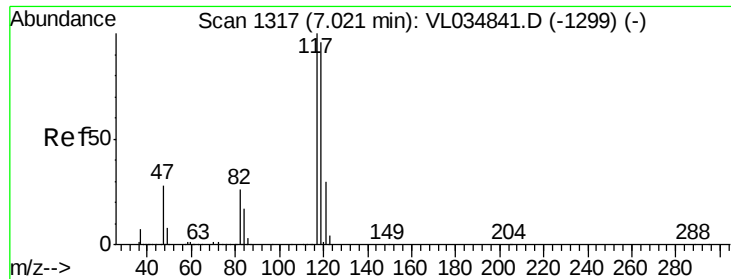
MMDadoda
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#34
 2-Butanone
 Concen: 0.425 ppbv
 RT: 5.24 min Scan# 762
 Delta R.T. 0.01 min
 Lab File: VL034858.D
 Acq: 10 Mar 2020 3:43

Tgt Ion	Ratio	Lower	Upper
43	100		
72	20.4	17.6	26.4





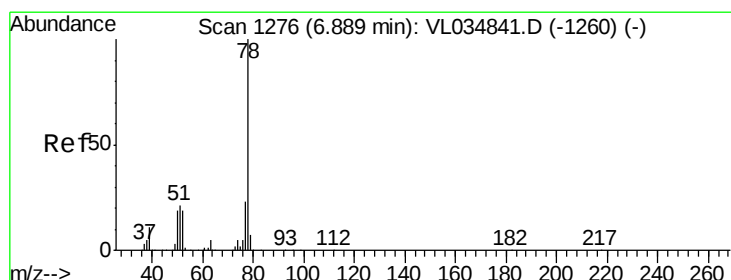
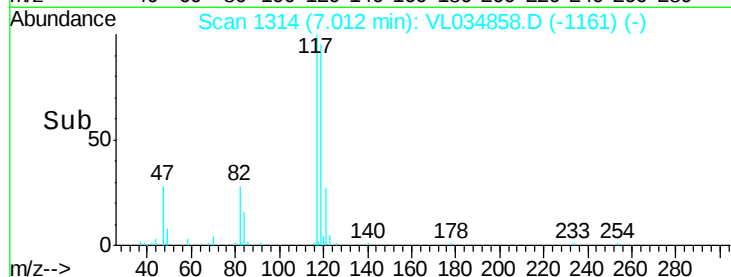
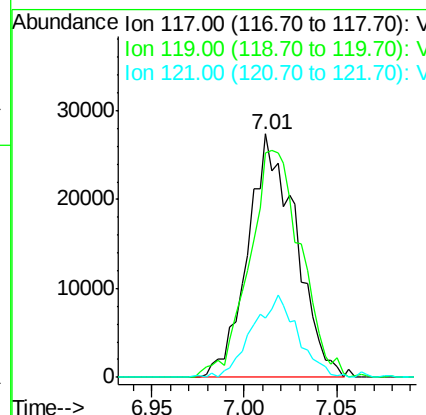
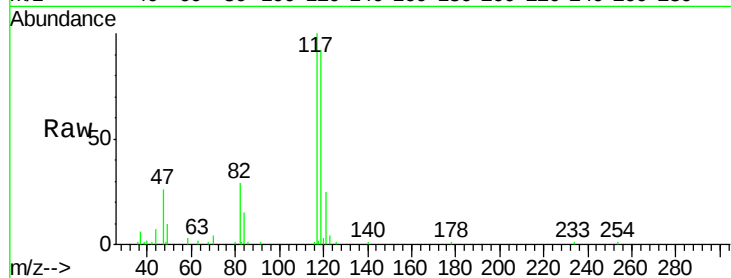
#35
Carbon Tetrachloride
Concen: 0.402 ppbv m
RT: 7.01 min Scan# 1314
Delta R.T. -0.01 min
Lab File: VL034858.D
Acq: 10 Mar 2020 3:43

Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT1-2020

Tot Ion	Ratio	Lower	Upper
117	100		
119	92.4	77.0	115.4
121	24.6	24.0	36.0

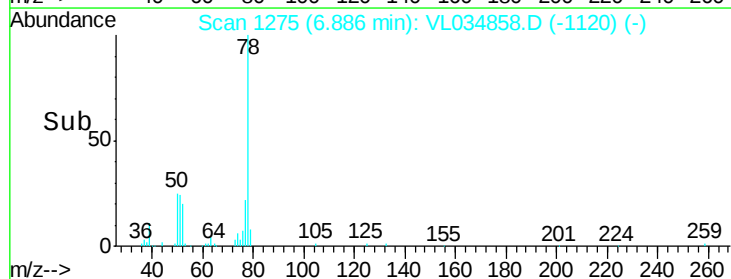
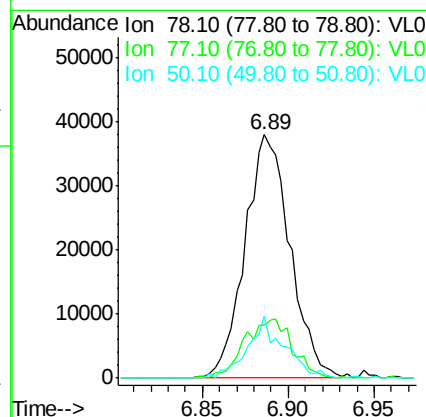
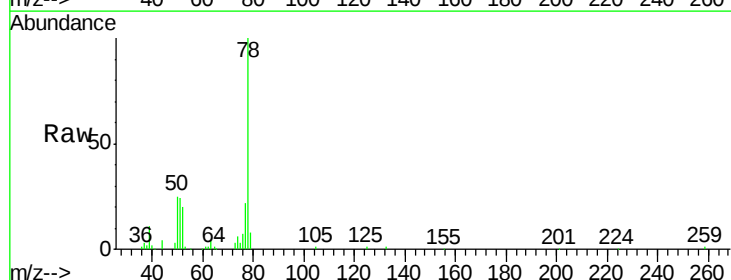
Manual Integrations
APPROVED

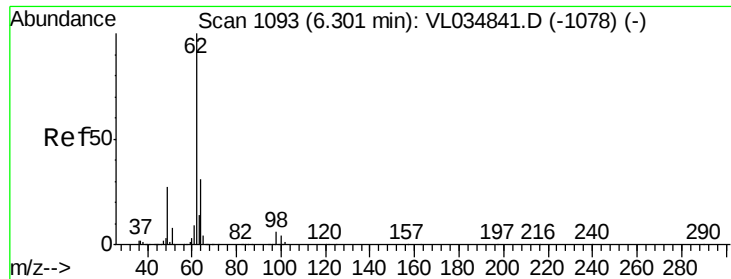
MMDadoda
3/11/2020 3:26:20 PM



#36
Benzene
Concen: 0.392 ppbv
RT: 6.89 min Scan# 1275
Delta R.T. -0.00 min
Lab File: VL034858.D
Acq: 10 Mar 2020 3:43

Tgt Ion	Ratio	Lower	Upper
78	100		
77	21.5	18.2	27.2
50	25.2	15.2	22.8#





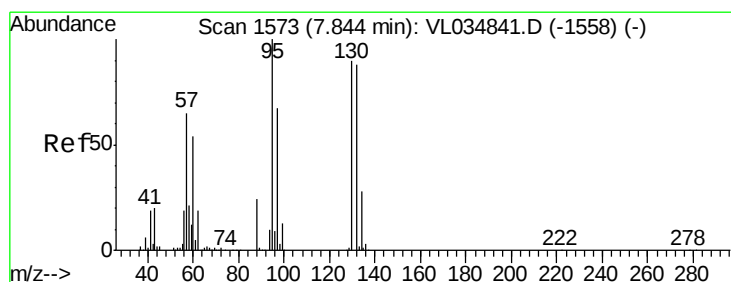
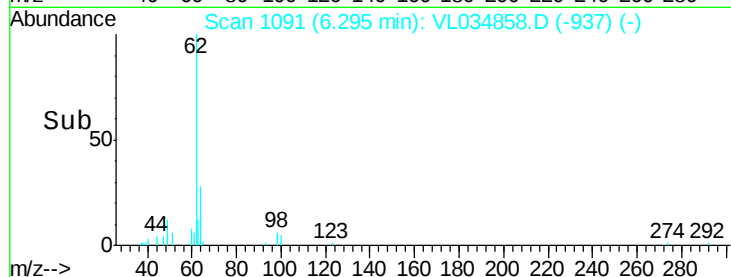
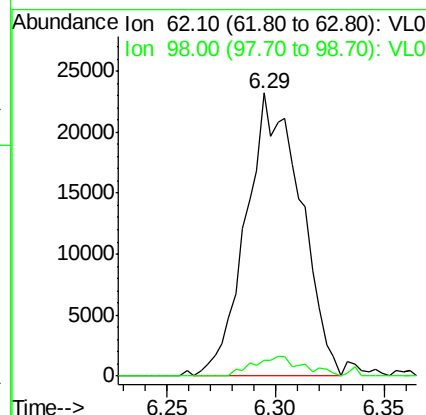
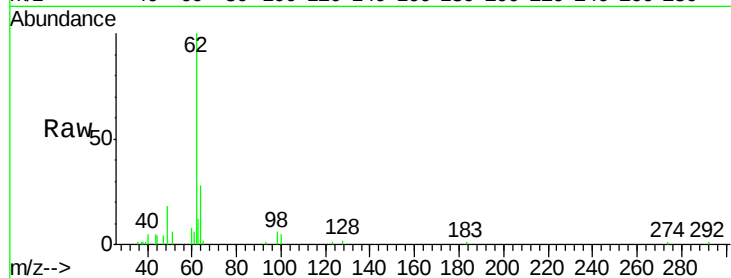
#37
 1,2-Dichloroethane
 Concen: 0.408 ppbv m
 RT: 6.29 min Scan# 1091
 Delta R.T. -0.01 min
 Lab File: VL034858.D
 Acq: 10 Mar 2020 3:43

Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT1-2020

Tot Ion	Ratio	Resp	Lower	Upper
62	100	40467		
98	0.0	5.2		7.8#

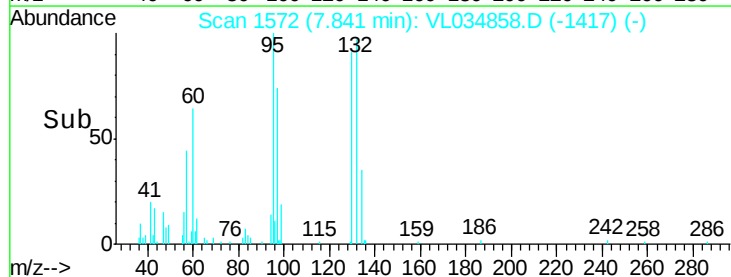
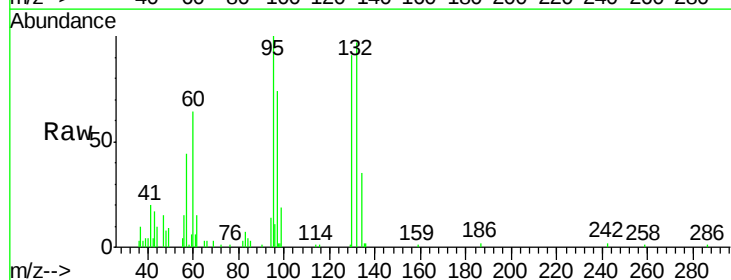
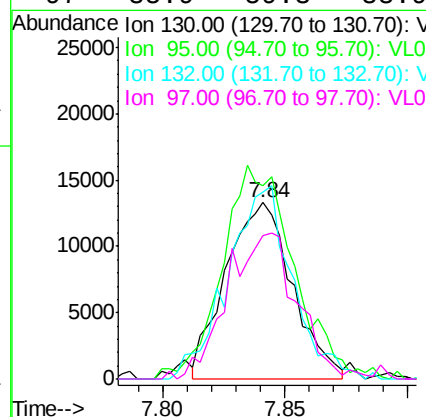
Manual Integrations
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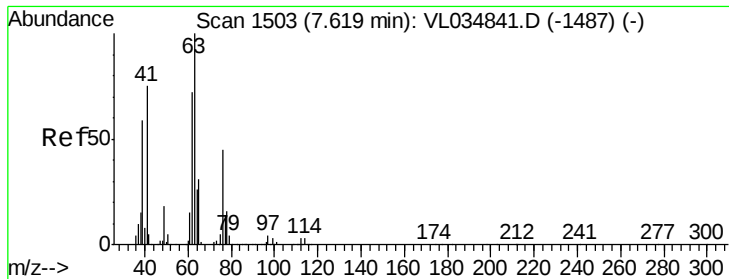
MMDadoda
 3/11/2020 3:26:20 PM



#38
 Trichloroethene
 Concen: 0.376 ppbv
 RT: 7.84 min Scan# 1572
 Delta R.T. -0.00 min
 Lab File: VL034858.D
 Acq: 10 Mar 2020 3:43

Tgt Ion	Ratio	Resp	Lower	Upper
130	100	25132		
95	116.8	88.5		132.7
132	105.8	78.0		117.0
97	85.9	59.3		88.9





#39

1,2-Dichloropropane

Concen: 0.418 ppbv m

RT: 7.61 min Scan# 1501

Delta R.T. -0.01 min

Lab File: VL034858.D

Acq: 10 Mar 2020 3:43

Instrument :

MSVOA_L

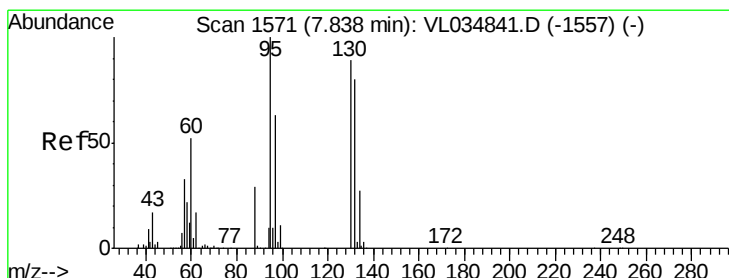
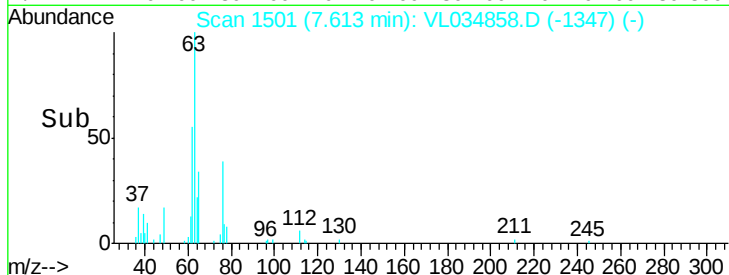
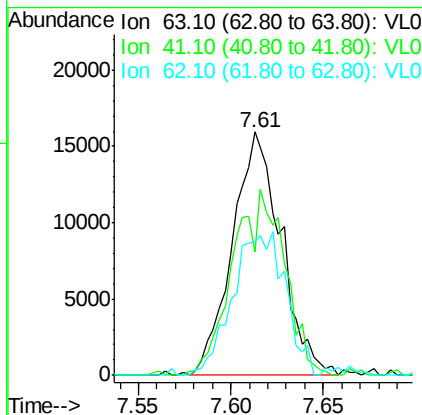
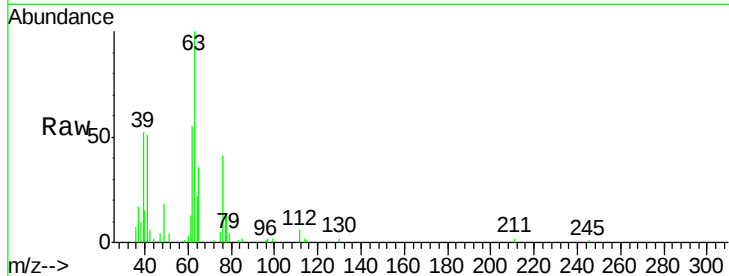
ClientSampleId :

LOD-MDL-AIR-01-QT1-2020

Tot Ion:	63	Resp:	29172
Ion	Ratio	Lower	Upper
63	100		
41	50.9	59.8	89.8#
62	55.1	57.6	86.4#

Manual Integrations
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#40

1,4-Dioxane

Concen: 0.453 ppbv m

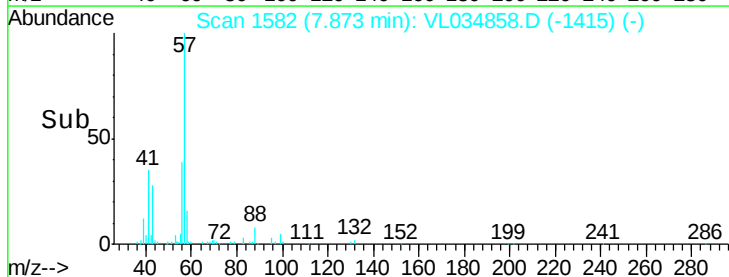
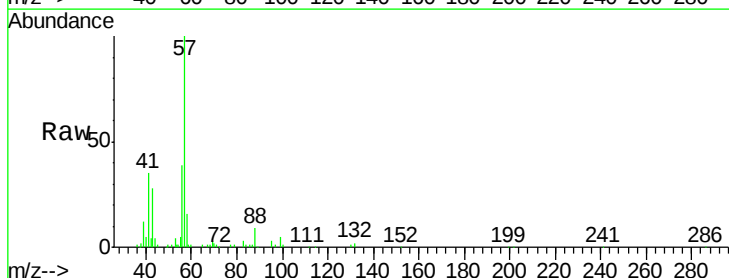
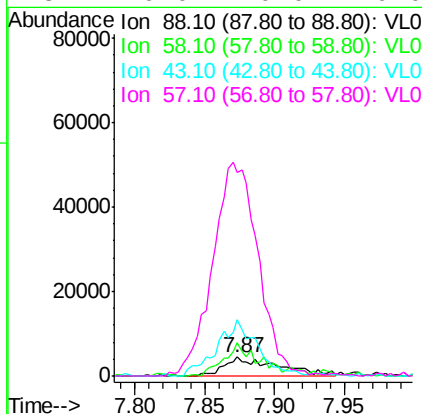
RT: 7.87 min Scan# 1582

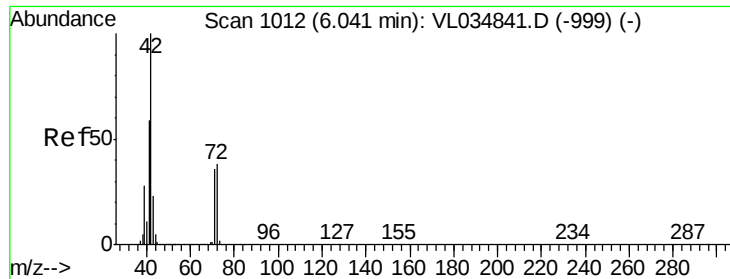
Delta R.T. 0.04 min

Lab File: VL034858.D

Acq: 10 Mar 2020 3:43

Tgt Ion:	88	Resp:	11921
Ion	Ratio	Lower	Upper
88	100		
58	4.7	103.9	155.9#
43	0.0	0.0	0.0
57	0.0	0.0	0.0





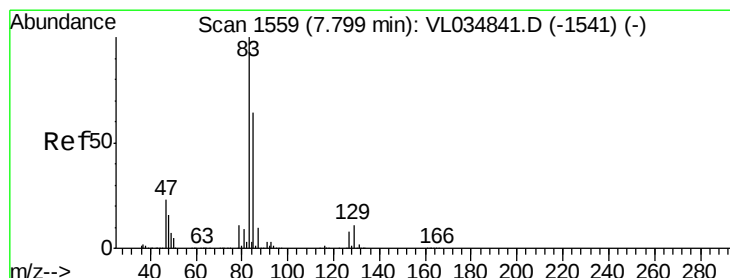
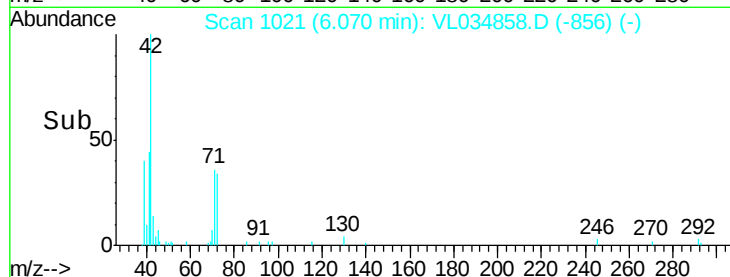
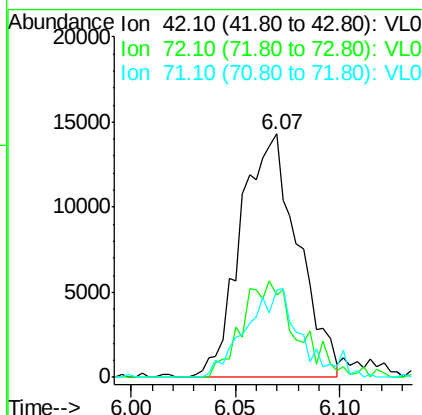
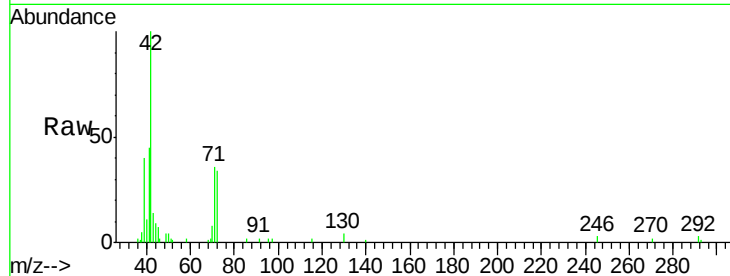
#41
Tetrahydrofuran
Concen: 0.384 ppbv m
RT: 6.07 min Scan# 1021
Delta R.T. 0.03 min
Lab File: VL034858.D
Acq: 10 Mar 2020 3:43

Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT1-2020

Tot Ion	Ratio	Lower	Upper
42	100		
72	0.0	30.8	46.2#
71	0.0	30.1	45.1#

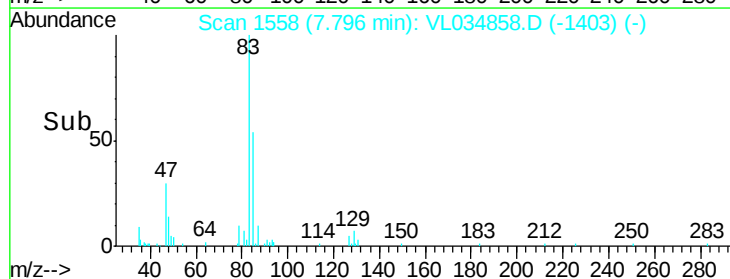
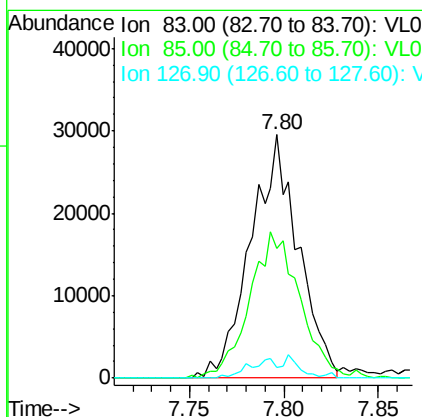
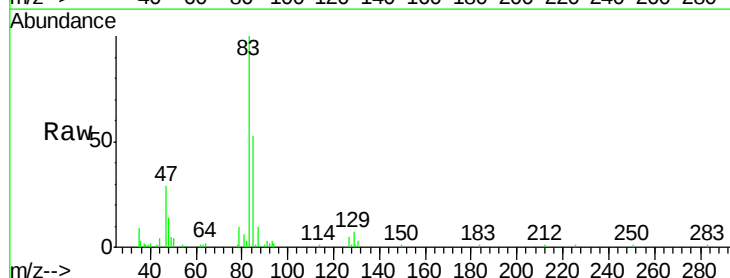
Manual Integrations
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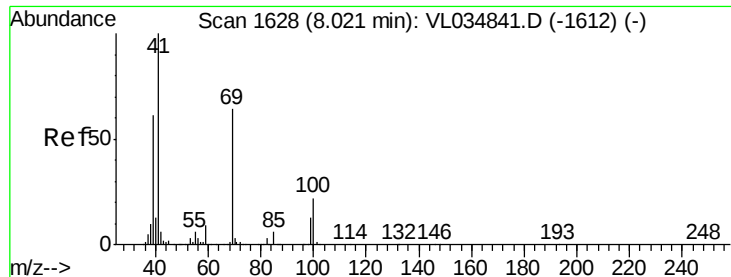
MMDadoda
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#42
Bromodichloromethane
Concen: 0.382 ppbv m
RT: 7.80 min Scan# 1558
Delta R.T. -0.00 min
Lab File: VL034858.D
Acq: 10 Mar 2020 3:43

Tgt Ion	Ratio	Lower	Upper
83	100		
85	53.0	51.4	77.2
127	4.5	6.2	9.4#





#43

Methyl Methacrylate

Concen: 0.351 ppbv

RT: 8.02 min Scan# 1627

Delta R.T. -0.00 min

Lab File: VL034858.D

Acq: 10 Mar 2020 3:43

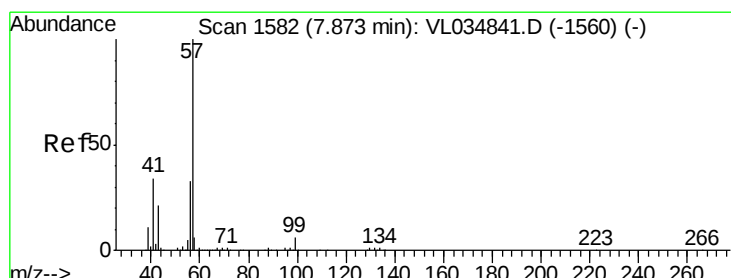
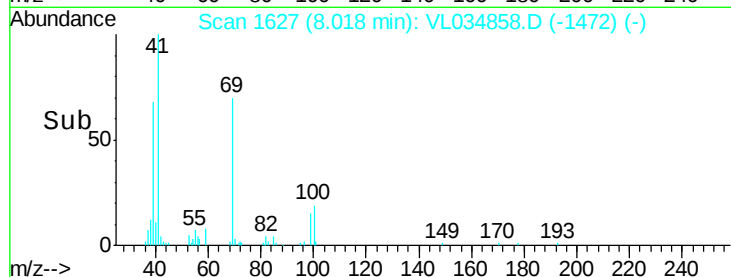
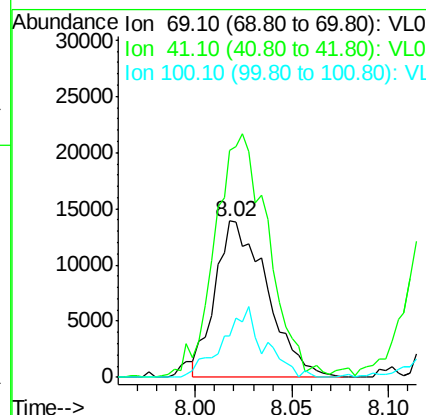
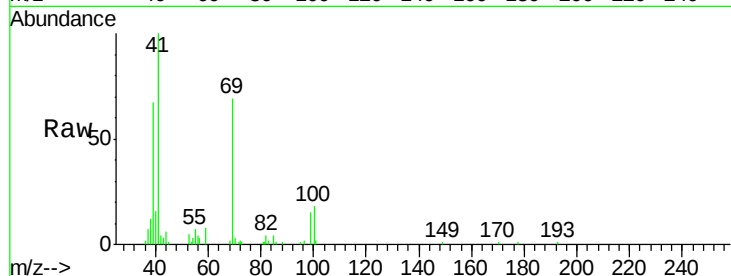
Instrument :
MSVOA_L

ClientSampleId :
LOD-MDL-AIR-01-QT1-2020

Tot Ion	Ratio	Lower	Upper
69	100		
41	160.4	123.2	184.8
100	36.0	26.9	40.3

Manual Integrations
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3/11/2020 3:26:20 PM



#44

2,2,4-Trimethylpentane

Concen: 0.371 ppbv

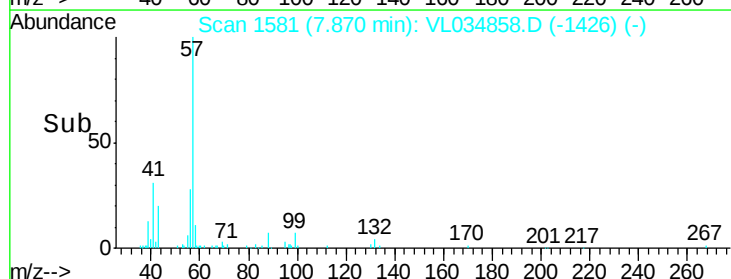
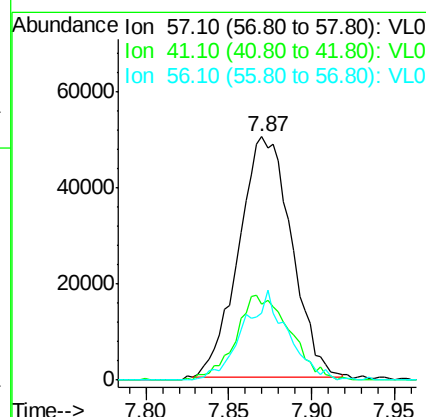
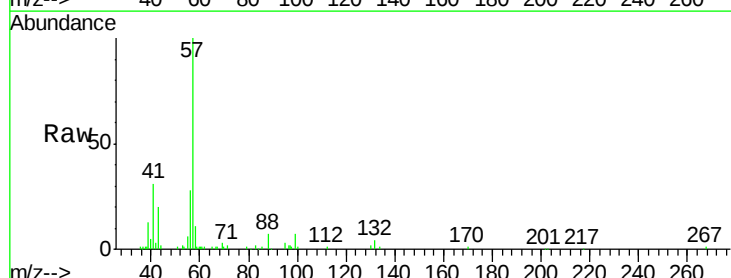
RT: 7.87 min Scan# 1581

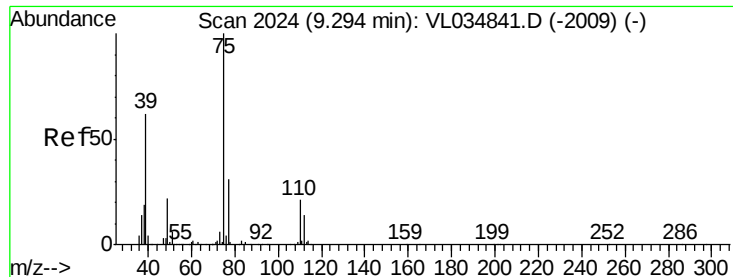
Delta R.T. -0.00 min

Lab File: VL034858.D

Acq: 10 Mar 2020 3:43

Tgt Ion	Ratio	Lower	Upper
57	100		
41	36.4	26.2	39.4
56	32.0	25.0	37.4





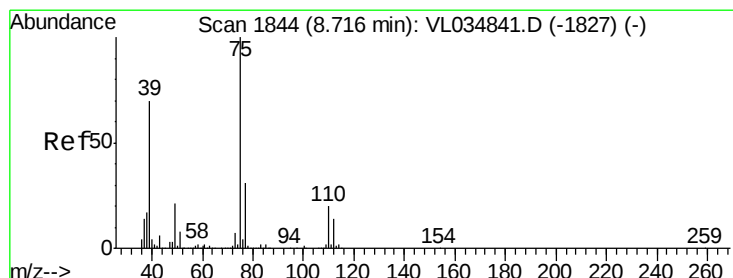
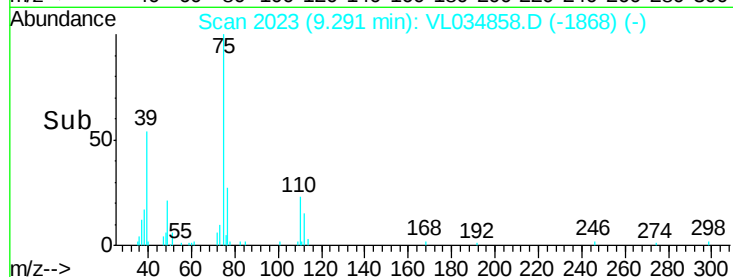
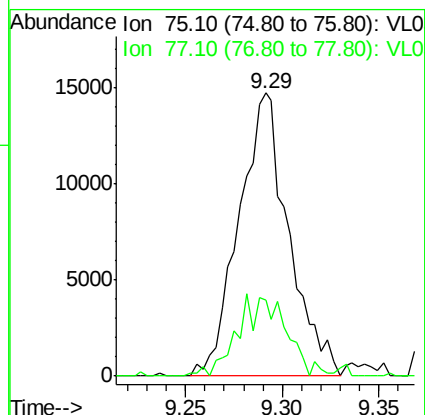
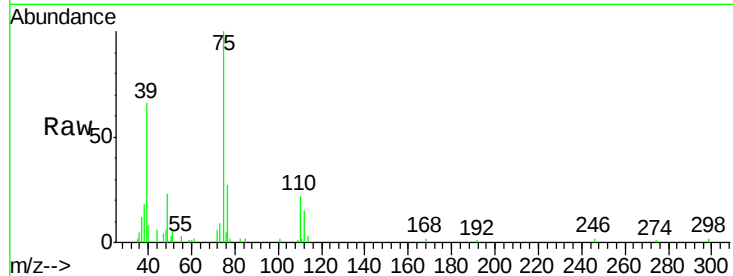
#45
t-1,3-Dichloropropene
Concen: 0.302 ppbv
RT: 9.29 min Scan# 2023
Delta R.T. -0.00 min
Lab File: VL034858.D
Acq: 10 Mar 2020 3:43

Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT1-2020

Tot Ion: 75 Resp: 26311
Ion Ratio Lower Upper
75 100
77 25.8 24.6 37.0

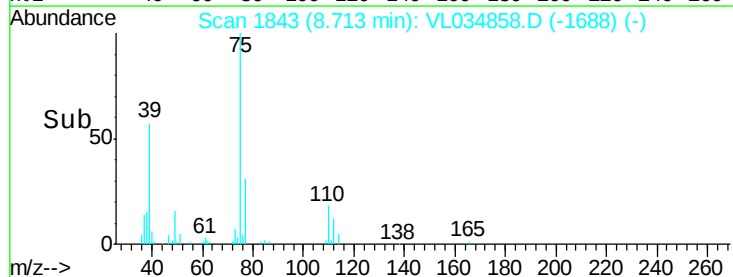
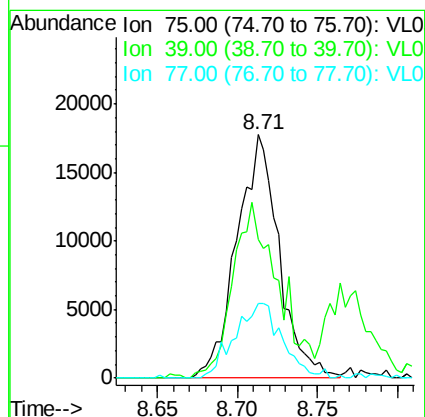
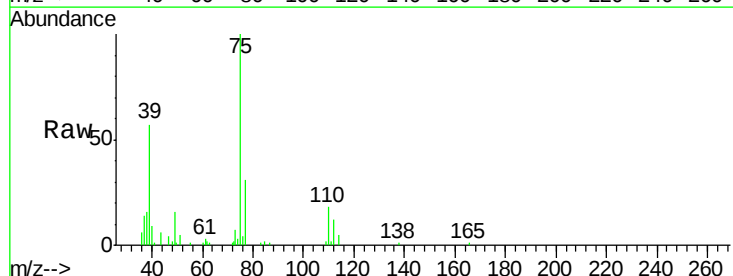
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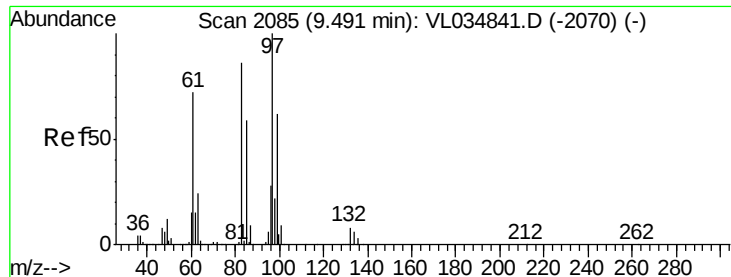
MMDadoda
3/11/2020 3:26:20 PM



#46
cis-1,3-Dichloropropene
Concen: 0.309 ppbv
RT: 8.71 min Scan# 1843
Delta R.T. -0.00 min
Lab File: VL034858.D
Acq: 10 Mar 2020 3:43

Tgt Ion: 75 Resp: 31972
Ion Ratio Lower Upper
75 100
39 57.2 55.7 83.5
77 30.6 24.7 37.1





#47

1,1,2-Trichloroethane

Concen: 0.408 ppbv m

RT: 9.48 min Scan# 2082

Delta R.T. -0.01 min

Lab File: VL034858.D

Acq: 10 Mar 2020 3:43

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT1-2020

Tot Ion: 97 Resp: 29170

Ion Ratio Lower Upper

97 100

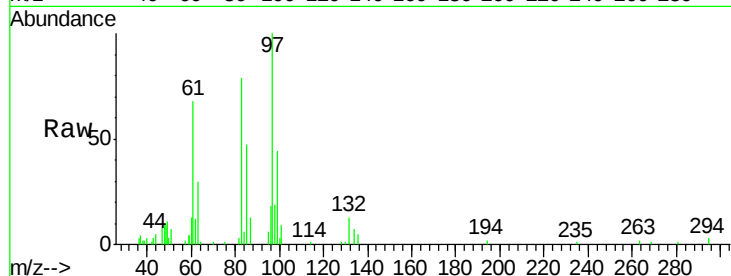
83 78.5 68.6 102.8

85 47.2 46.9 70.3

99 44.0 49.9 74.9#

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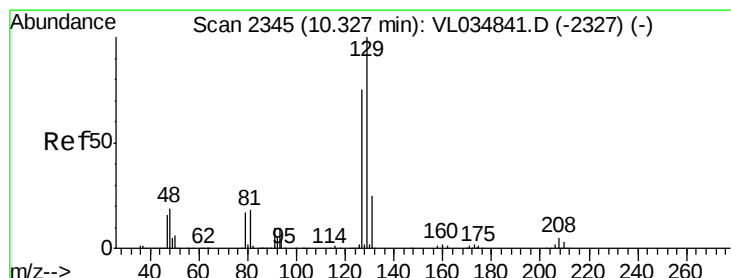
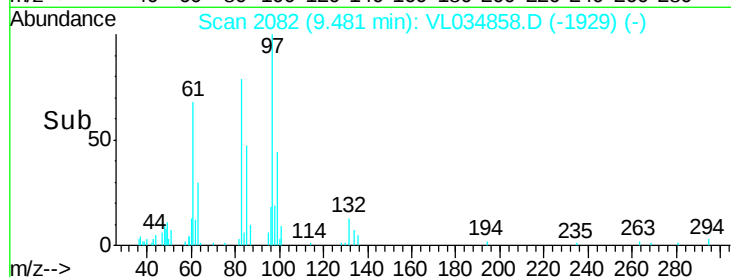
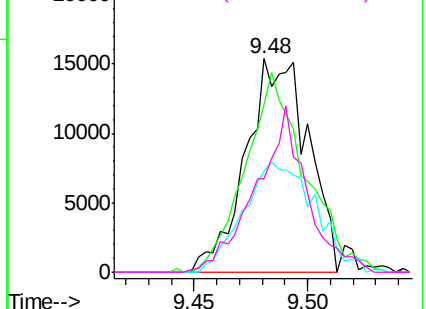


Abundance Ion 97.00 (96.70 to 97.70): VL0

Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 99.00 (98.70 to 99.70): VL0



#48

Dibromochloromethane

Concen: 0.323 ppbv m

RT: 10.31 min Scan# 2341

Delta R.T. -0.01 min

Lab File: VL034858.D

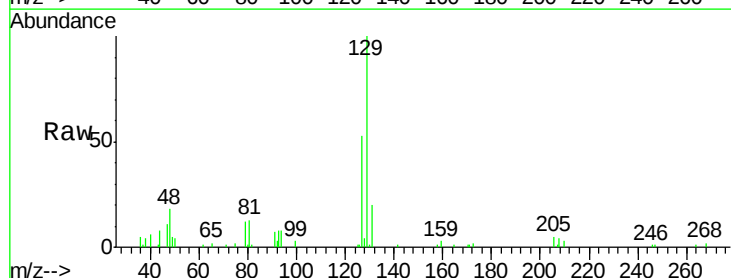
Acq: 10 Mar 2020 3:43

Tgt Ion: 129 Resp: 37432

Ion Ratio Lower Upper

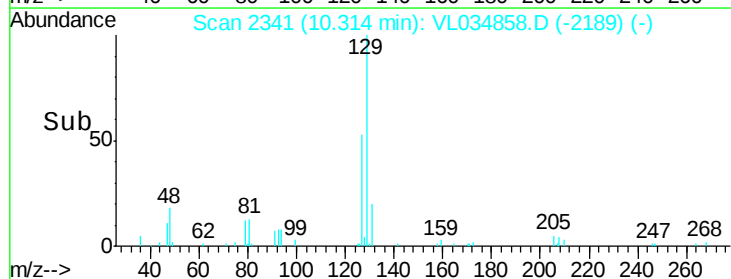
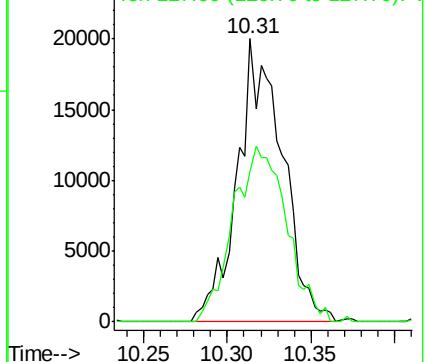
129 100

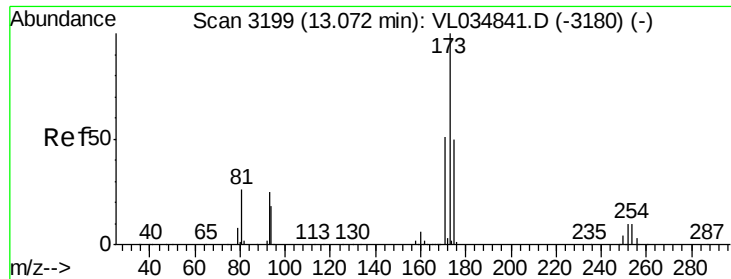
127 0.0 39.6 118.7#



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#49

Bromoform

Concen: 0.279 ppbv m

RT: 13.07 min Scan# 3198

Delta R.T. -0.00 min

Lab File: VL034858.D

Acq: 10 Mar 2020 3:43

Instrument :

MSVOA_L

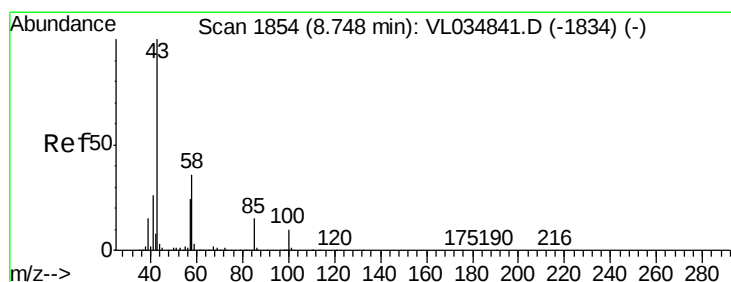
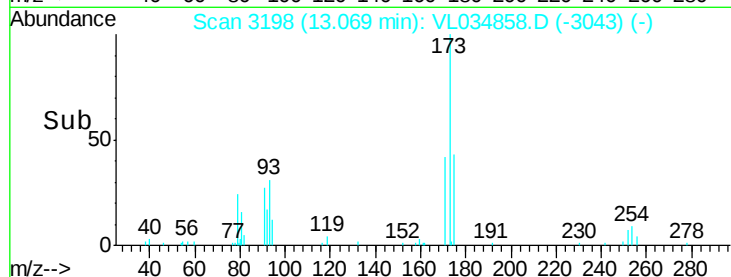
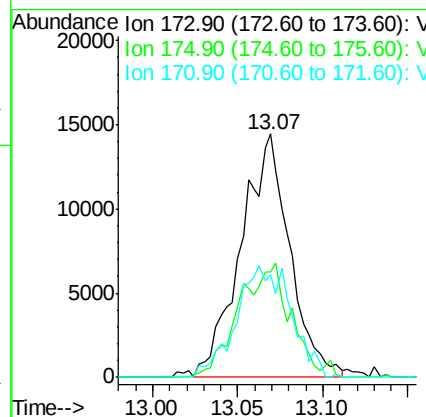
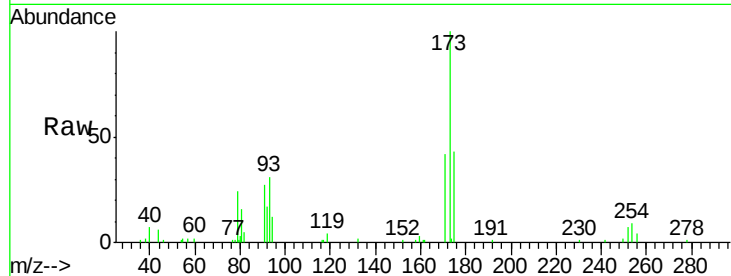
ClientSampleId :

LOD-MDL-AIR-01-QT1-2020

Tot Ion:	173	Resp:	28856
Ion Ratio	Lower	Upper	
173	100		
175	50.5	39.6	59.4
171	51.3	41.0	61.6

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#50

4-Methyl-2-Pentanone

Concen: 0.363 ppbv

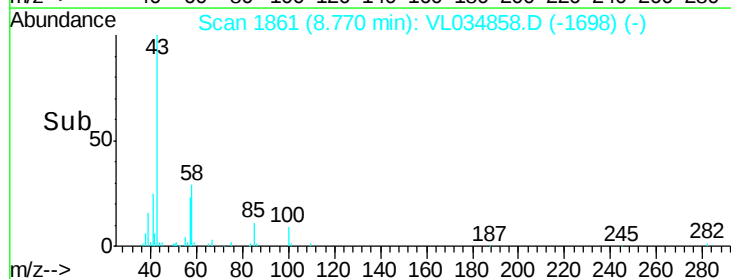
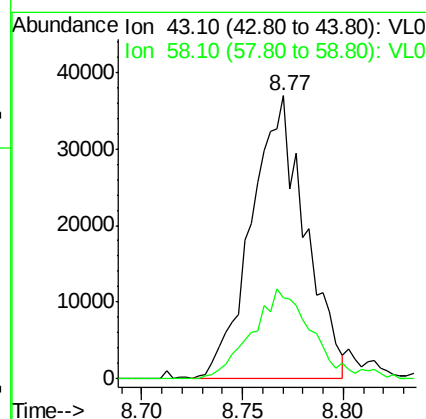
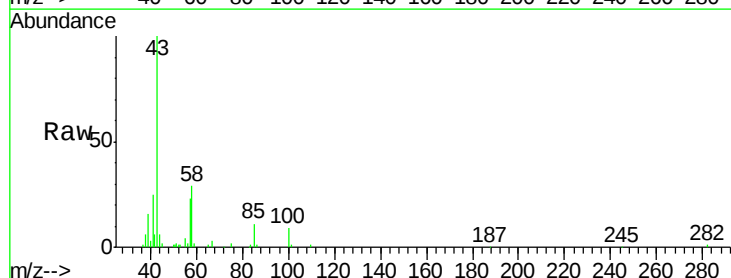
RT: 8.77 min Scan# 1861

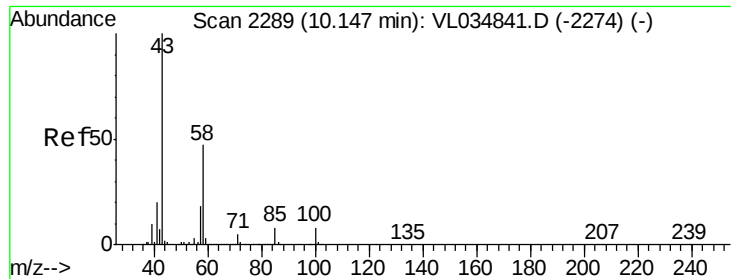
Delta R.T. 0.02 min

Lab File: VL034858.D

Acq: 10 Mar 2020 3:43

Tgt Ion:	43	Resp:	68612
Ion Ratio	Lower	Upper	
43	100		
58	35.7	28.6	42.8





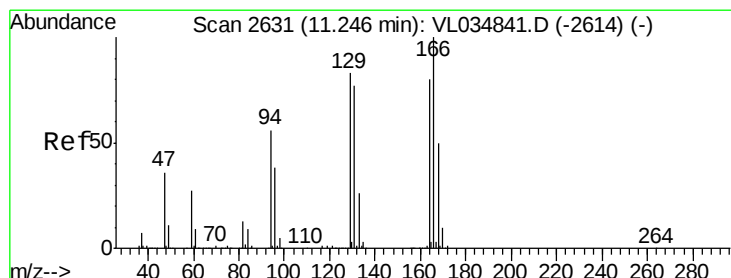
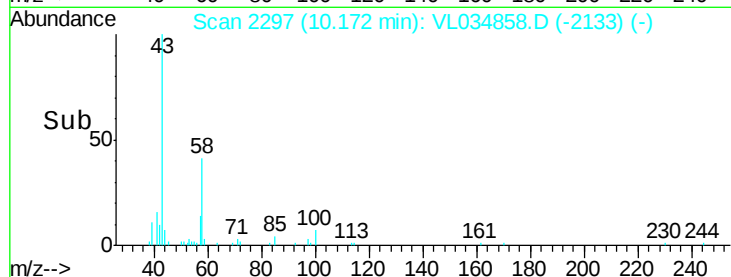
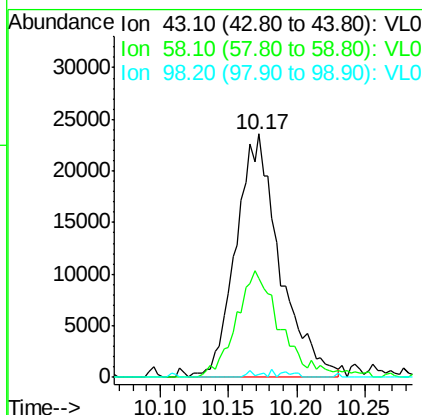
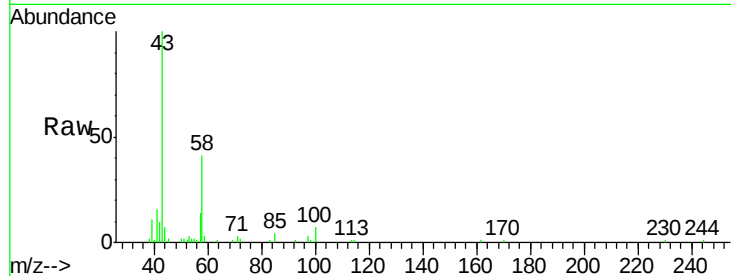
#51
2-Hexanone
Concen: 0.342 ppbv
RT: 10.17 min Scan# 2297
Delta R.T. 0.03 min
Lab File: VL034858.D
Acq: 10 Mar 2020 3:43

Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT1-2020

Tot Ion	Ratio	Lower	Upper
43	100		
58	45.5	38.6	58.0
98	1.7	0.1	0.1#

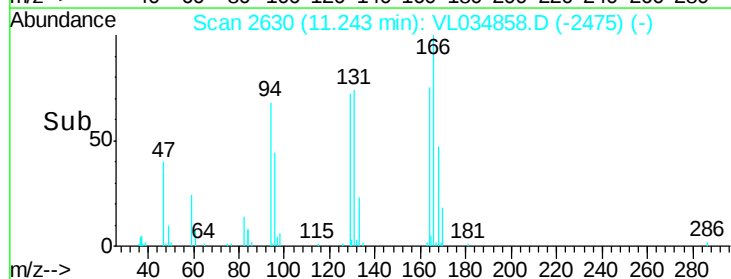
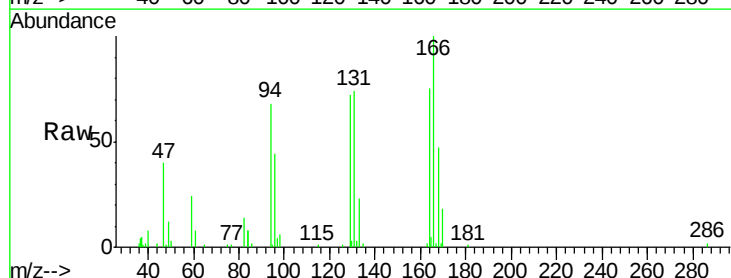
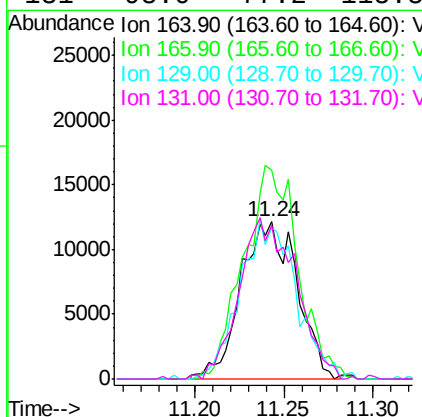
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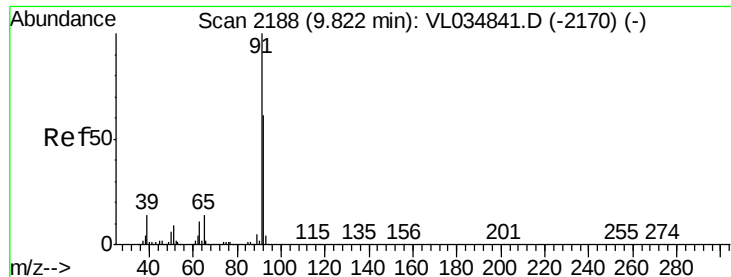
MMDadoda
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#52
Tetrachloroethene
Concen: 0.379 ppbv m
RT: 11.24 min Scan# 2630
Delta R.T. -0.00 min
Lab File: VL034858.D
Acq: 10 Mar 2020 3:43

Tgt Ion	Ratio	Lower	Upper
164	100		
166	132.6	100.0	150.0
129	95.8	83.1	124.7
131	98.0	77.2	115.8





#53

Toluene

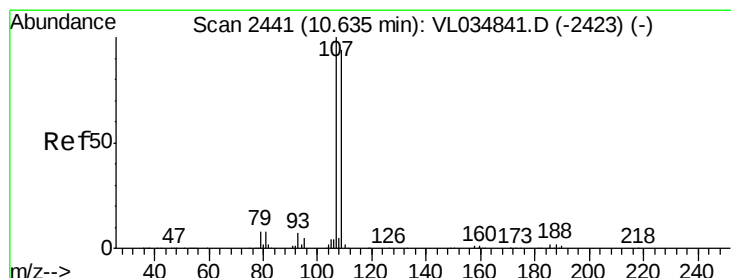
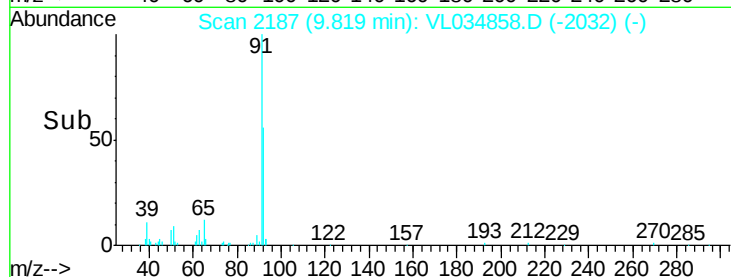
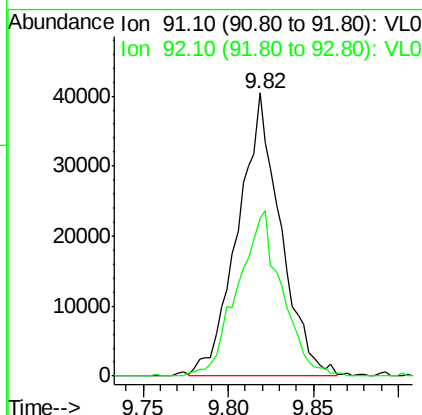
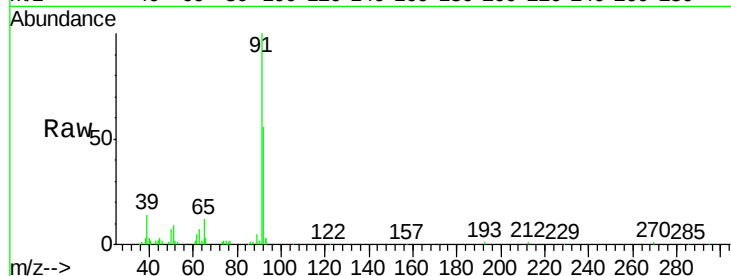
Concen: 0.346 ppbv m
RT: 9.82 min Scan# 2187
Delta R.T. -0.00 min
Lab File: VL034858.D
Acq: 10 Mar 2020 3:43

Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT1-2020

Tot Ion	Ion	Ratio	Lower	Upper
91	91	100		
92	92	60.8	48.6	72.8

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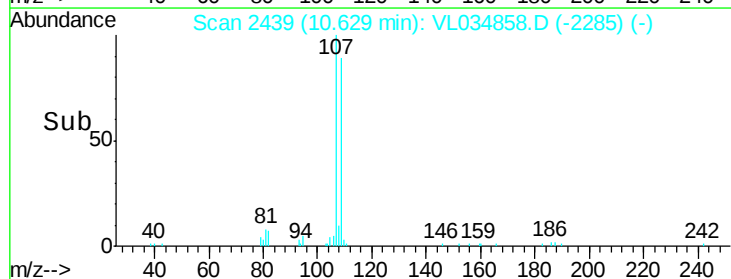
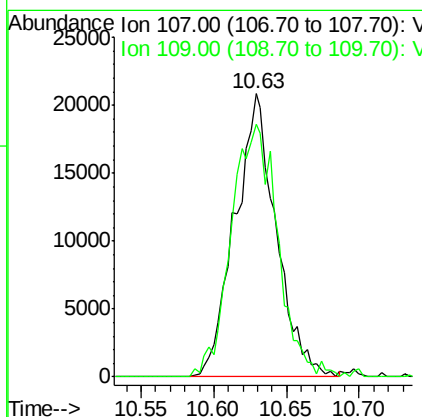
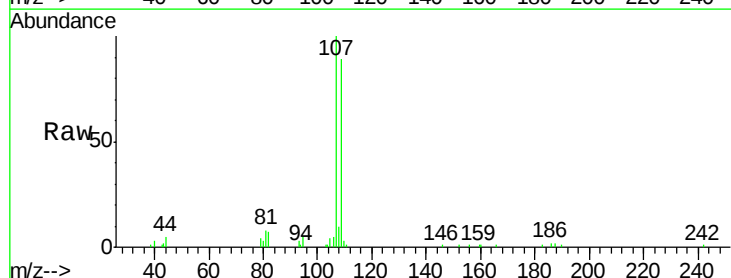


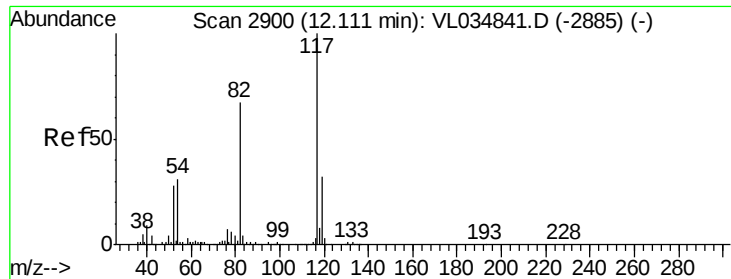
#54

1,2-Dibromoethane

Concen: 0.381 ppbv m
RT: 10.63 min Scan# 2439
Delta R.T. -0.01 min
Lab File: VL034858.D
Acq: 10 Mar 2020 3:43

Tgt Ion	Ion	Ratio	Lower	Upper
107	107	100		
109	109	89.4	74.9	112.3





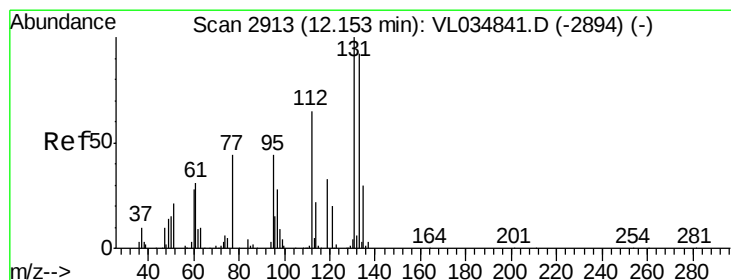
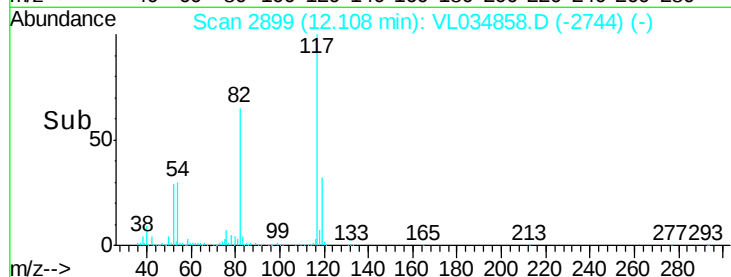
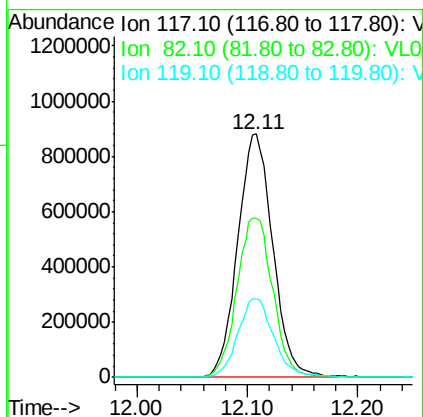
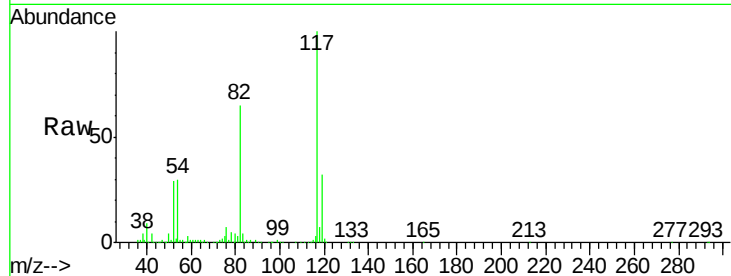
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.11 min Scan# 2899
Delta R.T. -0.00 min
Lab File: VL034858.D
Acq: 10 Mar 2020 3:43

Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT1-2020

Tot Ion	Ratio	Lower	Upper
117	100		
82	67.1	51.1	76.7
119	33.2	27.3	40.9

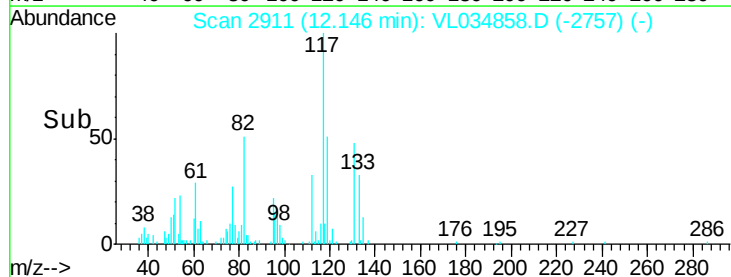
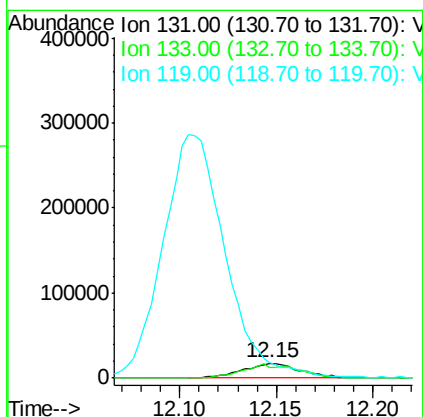
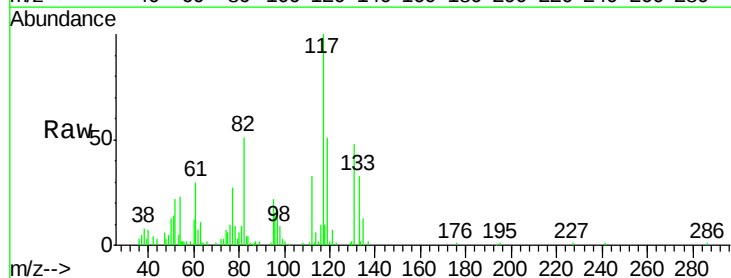
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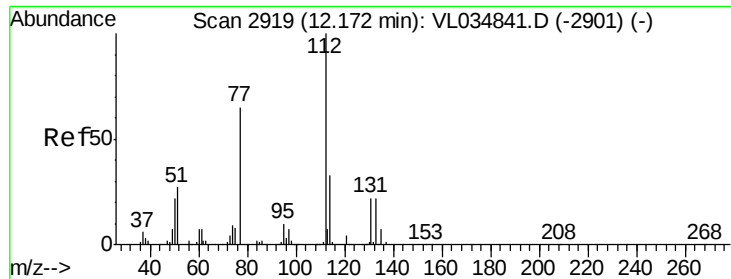
MMDadoda
3/11/2020 3:26:20 PM



#56
1,1,1,2-Tetrachloroethane
Concen: 0.406 ppbv
RT: 12.15 min Scan# 2911
Delta R.T. -0.01 min
Lab File: VL034858.D
Acq: 10 Mar 2020 3:43

Tgt Ion	Ratio	Lower	Upper
131	100		
133	94.1	76.0	114.0
119	1821.7	47.8	71.8#





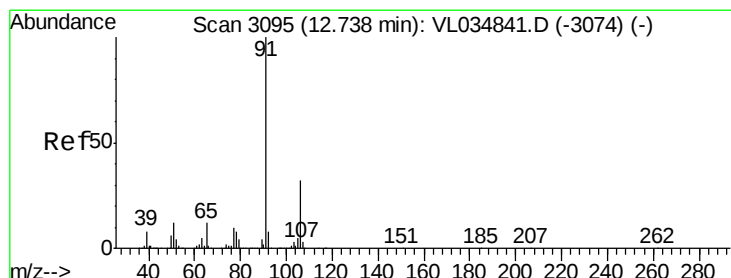
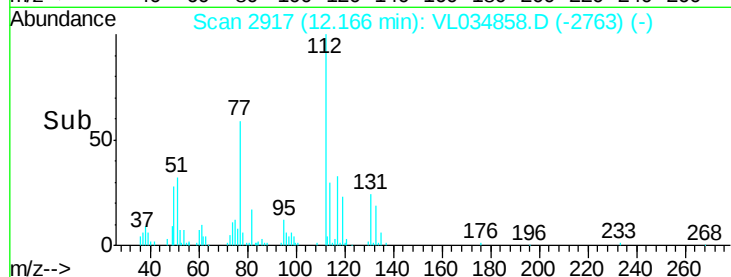
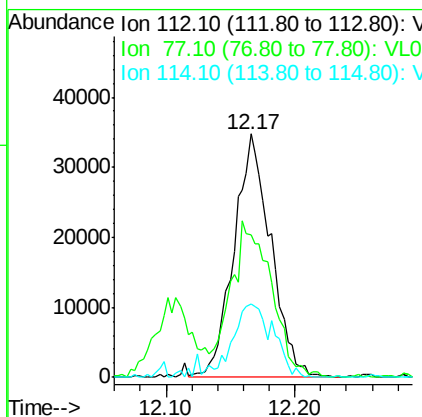
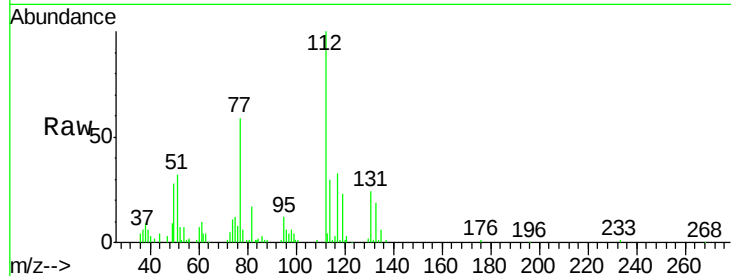
#57
Chlorobenzene
Concen: 0.454 ppbv m
RT: 12.17 min Scan# 2917
Delta R.T. -0.01 min
Lab File: VL034858.D
Acq: 10 Mar 2020 3:43

Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT1-2020

Tot Ion	Ratio	Lower	Upper
112	100		
77	58.6	53.0	79.6
114	30.0	29.5	36.1

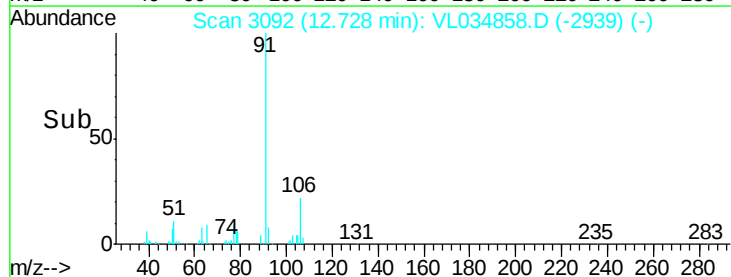
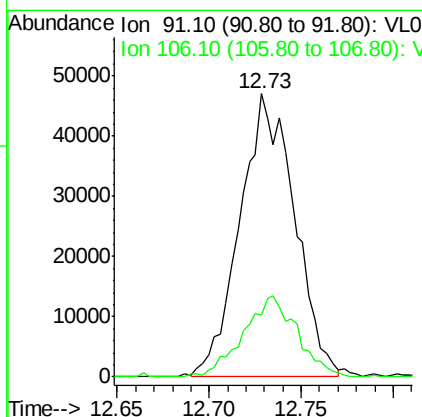
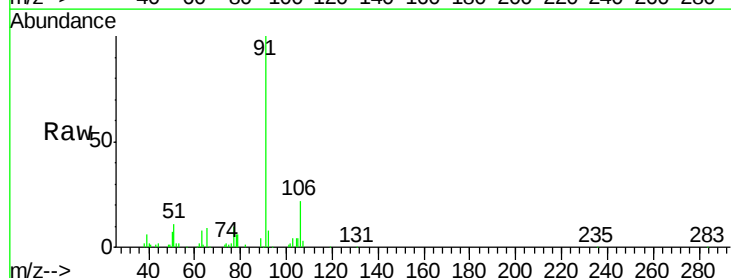
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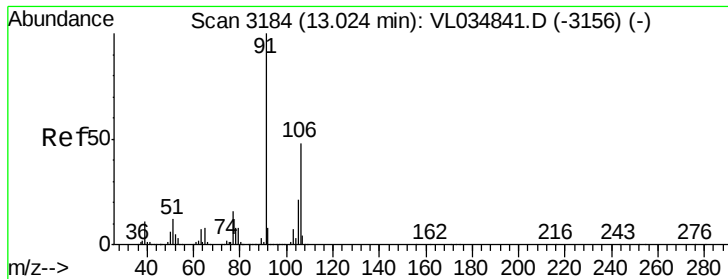
MMDadoda
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#58
Ethyl Benzene
Concen: 0.366 ppbv m
RT: 12.73 min Scan# 3092
Delta R.T. -0.01 min
Lab File: VL034858.D
Acq: 10 Mar 2020 3:43

Tgt Ion	Ratio	Lower	Upper
91	100		
106	21.8	25.8	38.6#





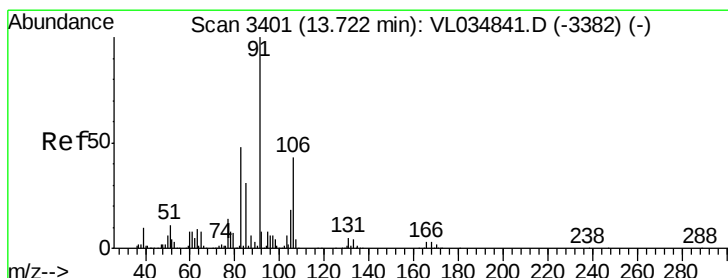
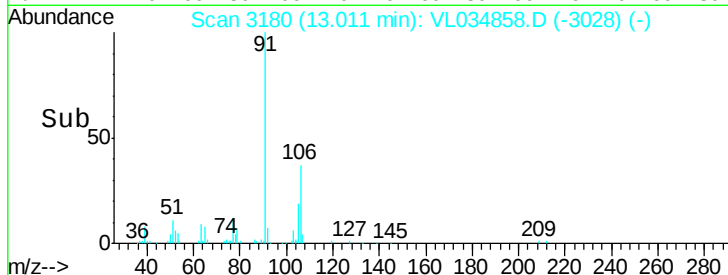
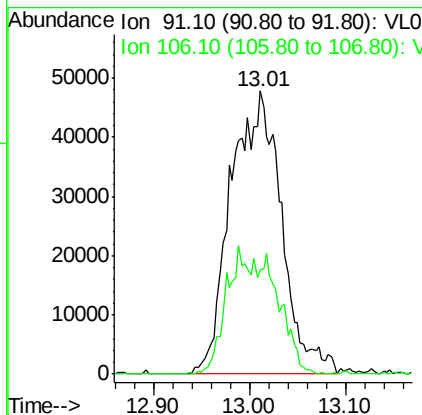
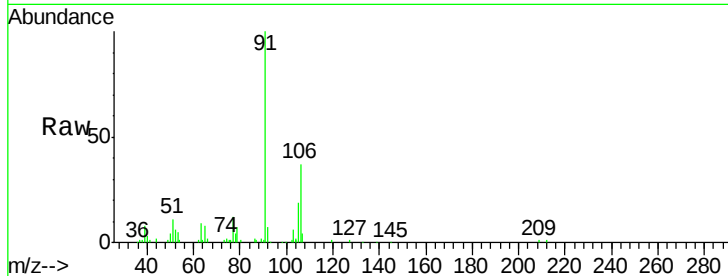
#59
m/p-Xylene
Concen: 0.792 ppbv m
RT: 13.01 min Scan# 3180
Delta R.T. -0.01 min
Lab File: VL034858.D
Acq: 10 Mar 2020 3:43

Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT1-2020

Tot Ion: 91 Resp: 174805
Ion Ratio Lower Upper
91 100
106 0.0 37.1 55.7#

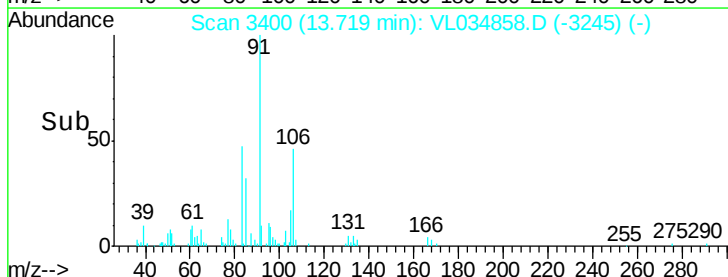
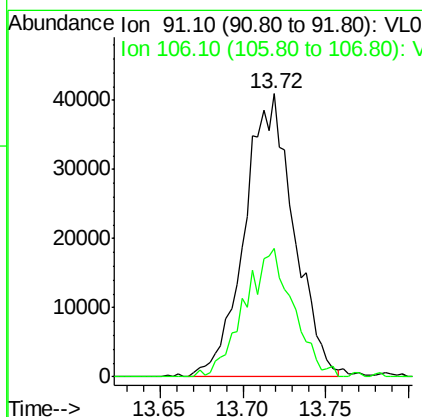
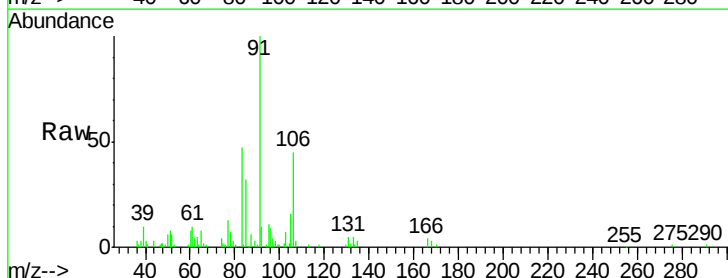
Manual Integrations
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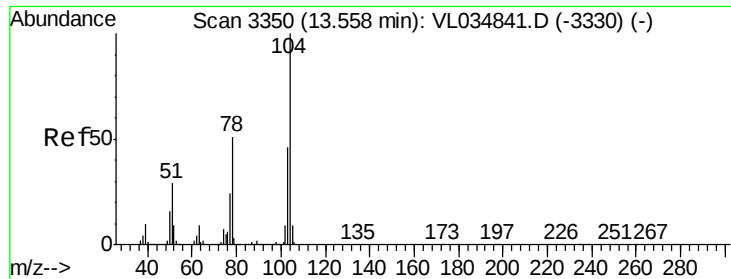
MMDadoda
3/11/2020 3:26:20 PM



#60
o-Xylene
Concen: 0.392 ppbv
RT: 13.72 min Scan# 3400
Delta R.T. -0.00 min
Lab File: VL034858.D
Acq: 10 Mar 2020 3:43

Tgt Ion: 91 Resp: 84494
Ion Ratio Lower Upper
91 100
106 45.3 22.5 67.5





#61

Stvrene

Concen: 0.327 ppbv m

RT: 13.55 min Scan# 3349

Delta R.T. -0.00 min

Lab File: VL034858.D

Acq: 10 Mar 2020 3:43

Instrument :

MSVOA_L

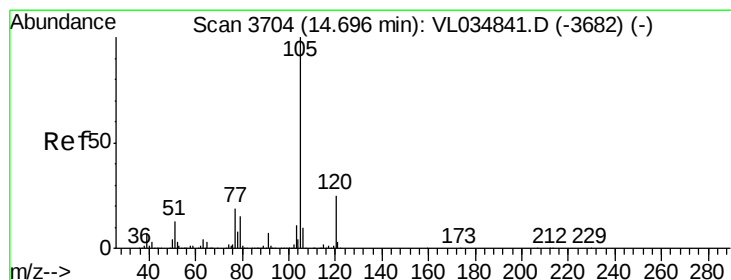
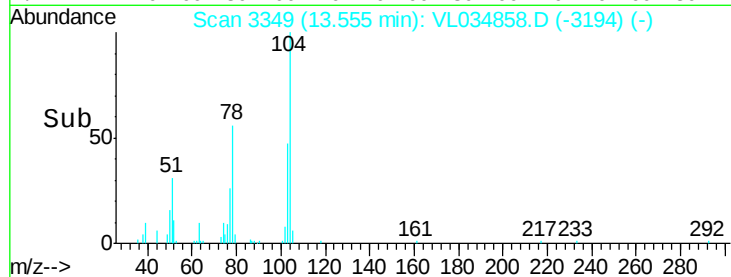
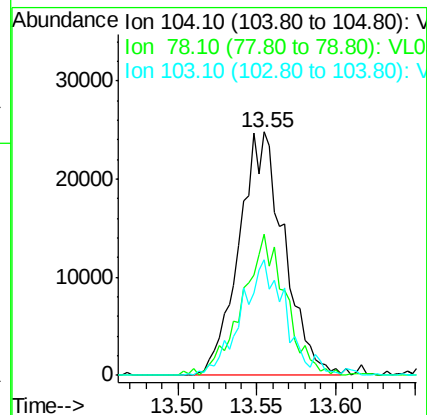
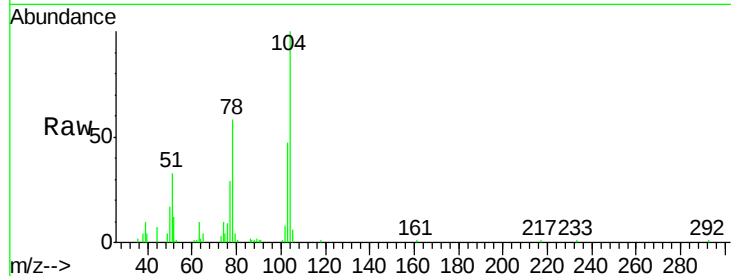
ClientSampleId :

LOD-MDL-AIR-01-QT1-2020

Tot Ion:	104	Resp:	49429
Ion Ratio	Lower	Upper	
104	100		
78	56.0	41.8	62.6
103	47.1	37.8	56.6

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3/11/2020 3:26:20 PM



#62

Isopropylbenzene

Concen: 0.408 ppbv

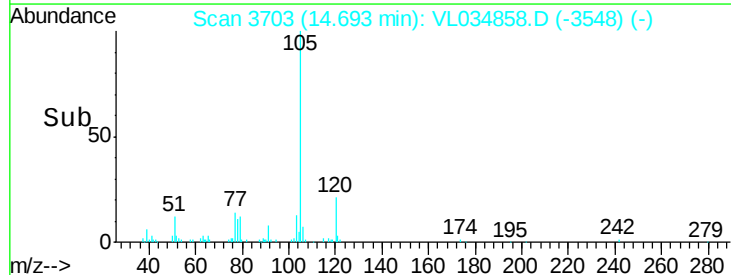
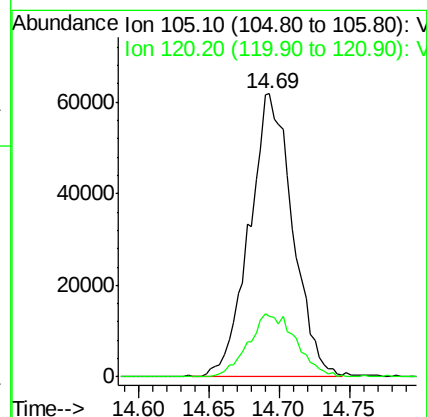
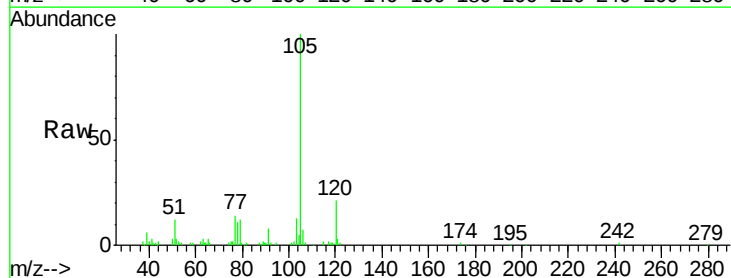
RT: 14.69 min Scan# 3703

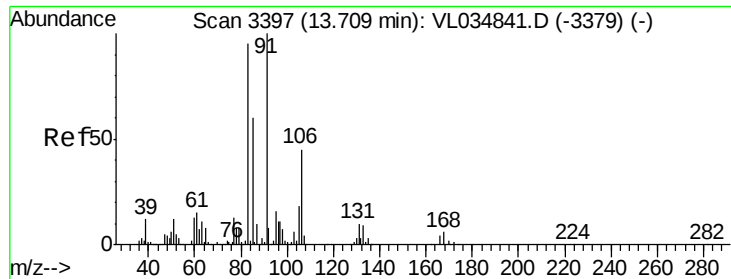
Delta R.T. -0.00 min

Lab File: VL034858.D

Acq: 10 Mar 2020 3:43

Tgt Ion:	105	Resp:	132898
Ion Ratio	Lower	Upper	
105	100		
120	24.5	21.0	31.4





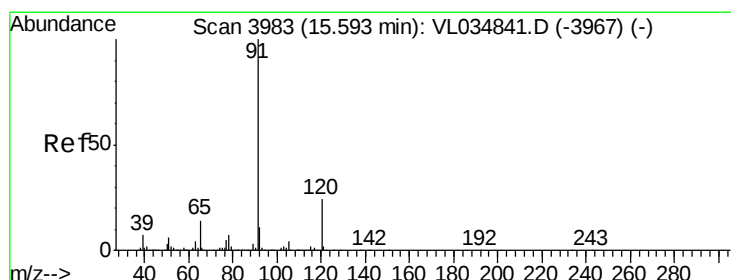
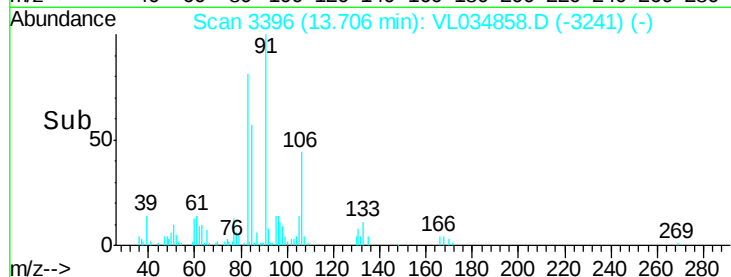
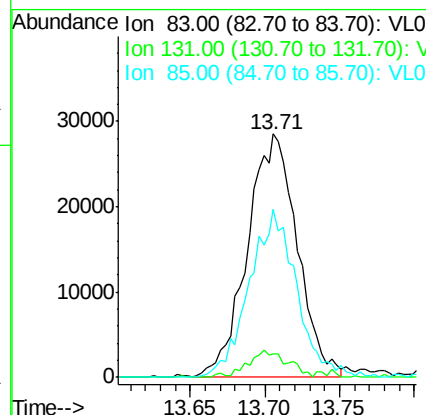
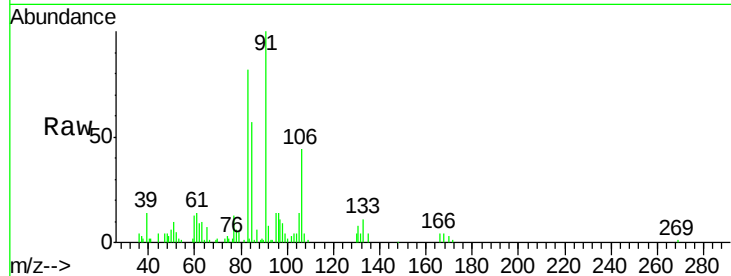
#63
 1,1,2,2-Tetrachloroethane
 Concen: 0.451 ppbv m
 RT: 13.71 min Scan# 3396
 Delta R.T. -0.00 min
 Lab File: VL034858.D
 Acq: 10 Mar 2020 3:43

Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT1-2020

Tot Ion	Ratio	Lower	Upper
83	100		
131	0.0	5.0	14.9#
85	65.4	32.4	97.2

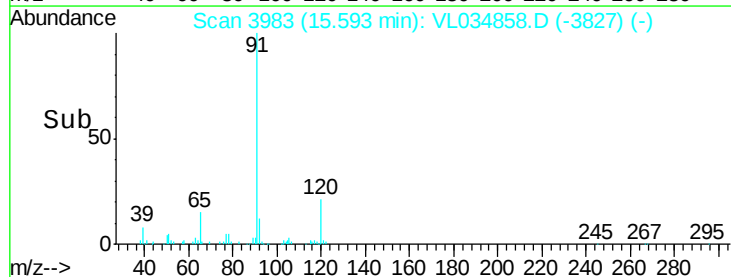
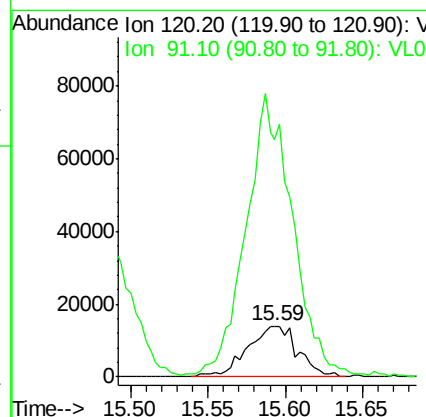
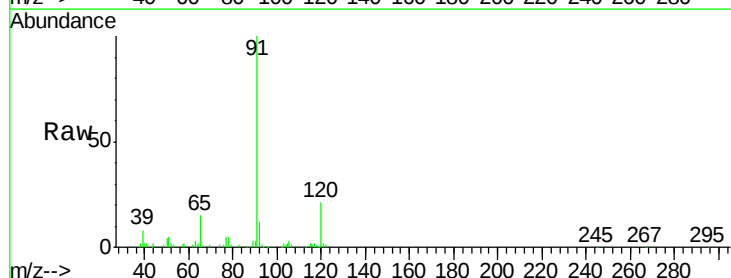
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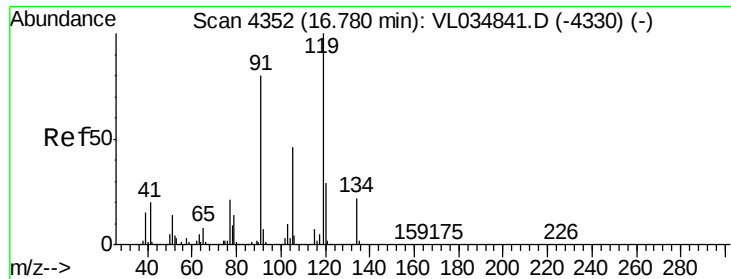
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#64
 n-propylbenzene
 Concen: 0.373 ppbv m
 RT: 15.59 min Scan# 3983
 Delta R.T. 0.00 min
 Lab File: VL034858.D
 Acq: 10 Mar 2020 3:43

Tgt Ion	Ratio	Lower	Upper
120	100		
91	514.0	360.9	541.3





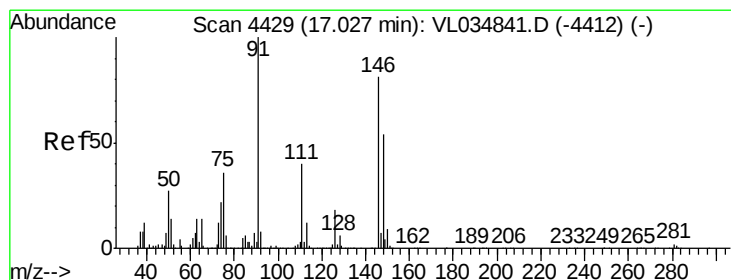
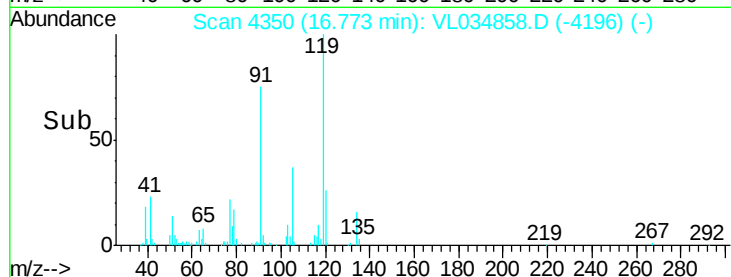
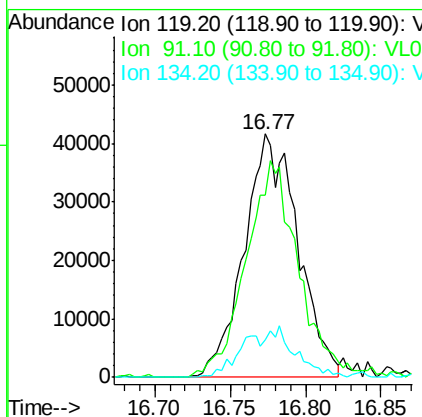
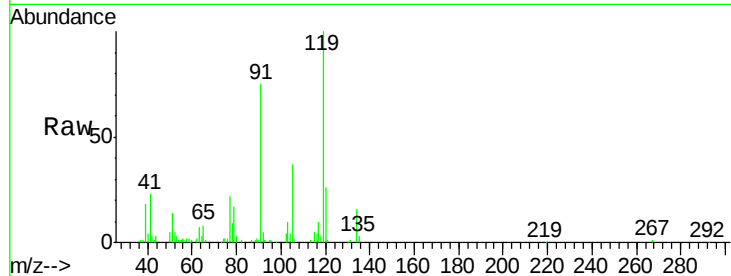
#65
tert-Butylbenzene
Concen: 0.361 ppbv m
RT: 16.77 min Scan# 4350
Delta R.T. -0.01 min
Lab File: VL034858.D
Acq: 10 Mar 2020 3:43

Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT1-2020

Tot Ion	Ratio	Resp Lower	Upper
119	100		
91	88.4	64.9	97.3
134	0.0	15.9	23.9#

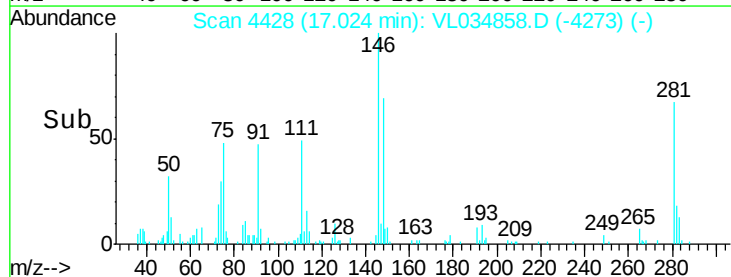
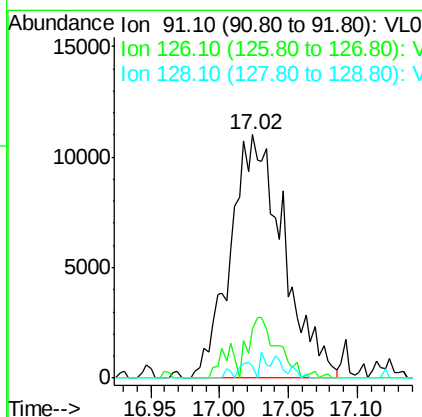
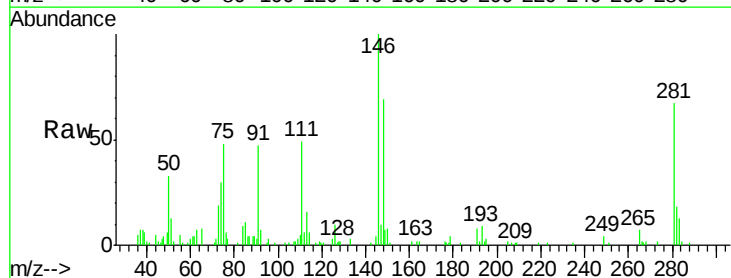
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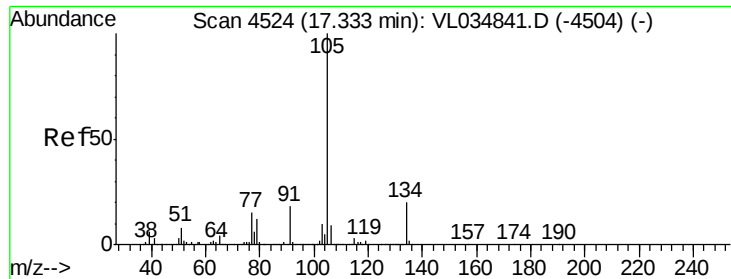
MMDadoda
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#66
Benzyl Chloride
Concen: 0.248 ppbv m
RT: 17.02 min Scan# 4428
Delta R.T. -0.00 min
Lab File: VL034858.D
Acq: 10 Mar 2020 3:43

Tgt Ion	Ratio	Resp Lower	Upper
91	100		
126	0.0	14.7	22.1#
128	0.0	4.7	7.1#





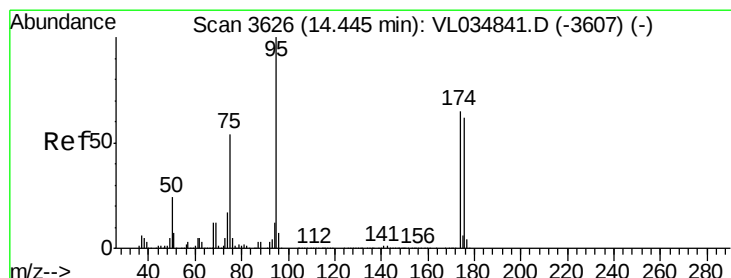
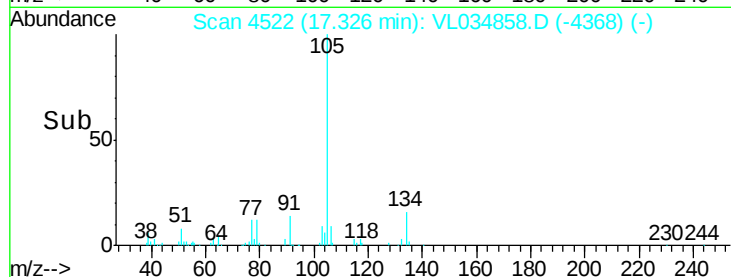
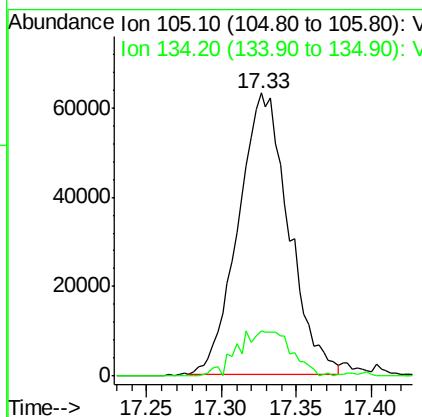
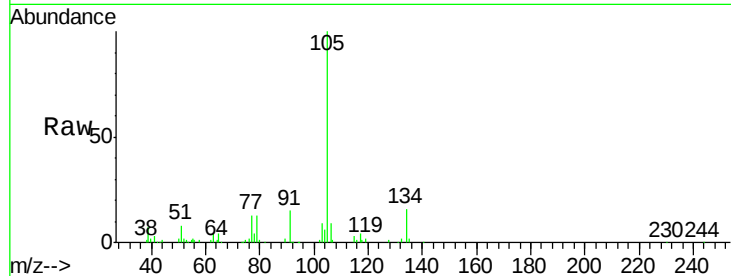
#67
 sec-Butylbenzene
 Concen: 0.372 ppbv
 RT: 17.33 min Scan# 4522
 Delta R.T. -0.01 min
 Lab File: VL034858.D
 Acq: 10 Mar 2020 3:43

Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT1-2020

Tot Ion: 105 Resp: 146970
 Ion Ratio Lower Upper
 105 100
 134 17.5 15.0 22.6

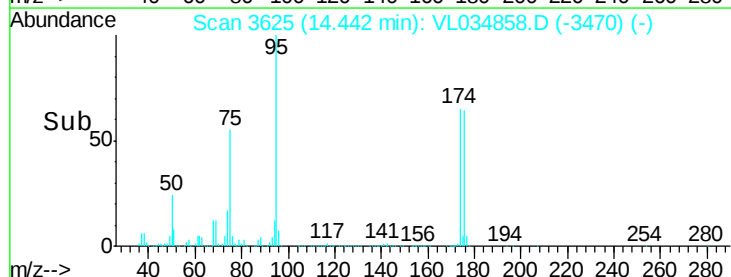
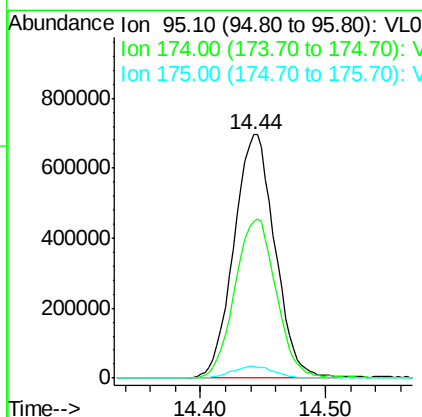
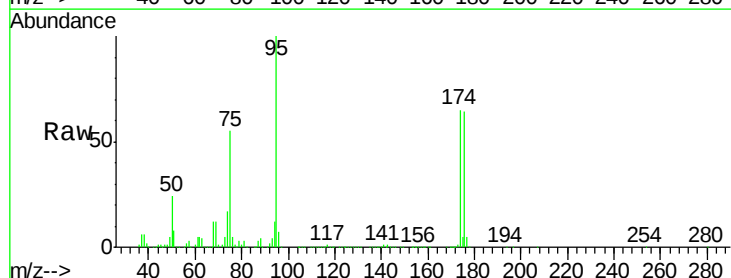
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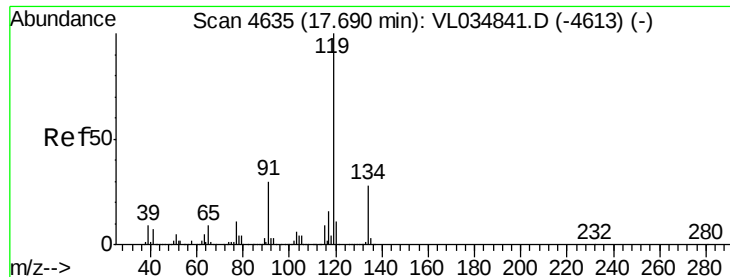
MMDadoda
 3/11/2020 3:26:20 PM



#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.375 ppbv
 RT: 14.44 min Scan# 3625
 Delta R.T. -0.00 min
 Lab File: VL034858.D
 Acq: 10 Mar 2020 3:43

Tgt Ion: 95 Resp: 1574912
 Ion Ratio Lower Upper
 95 100
 174 66.6 55.2 82.8
 175 5.0 4.3 6.5





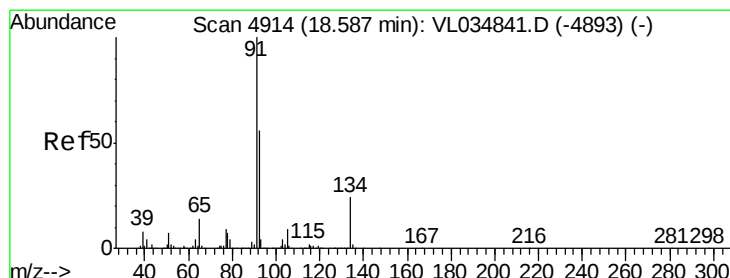
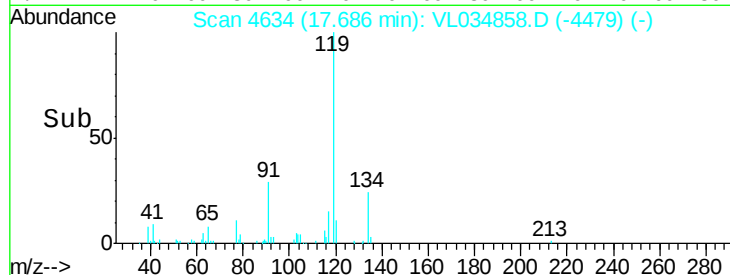
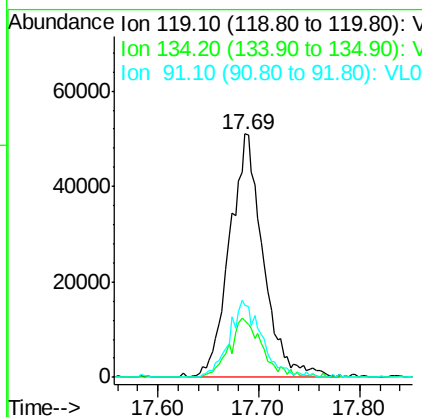
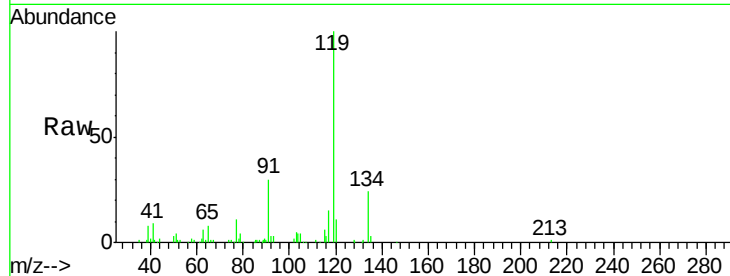
#69
p-Isopropyltoluene
Concen: 0.357 ppbv m
RT: 17.69 min Scan# 4634
Delta R.T. -0.00 min
Lab File: VL034858.D
Acq: 10 Mar 2020 3:43

Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT1-2020

Tot Ion	Ratio	Resp	Lower	Upper
119	100	118212		
134	23.6	20.6	30.8	
91	30.4	23.4	35.2	

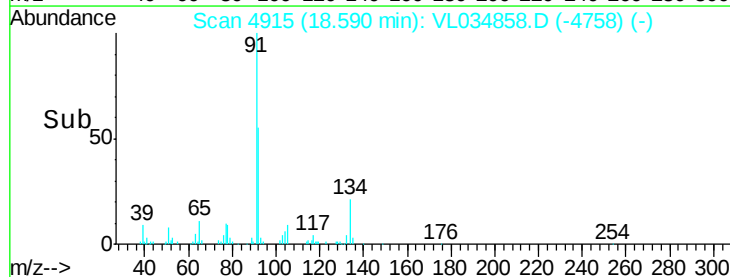
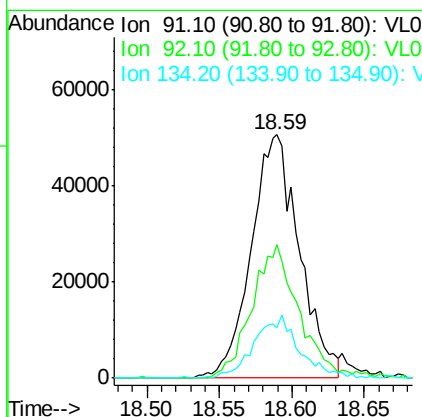
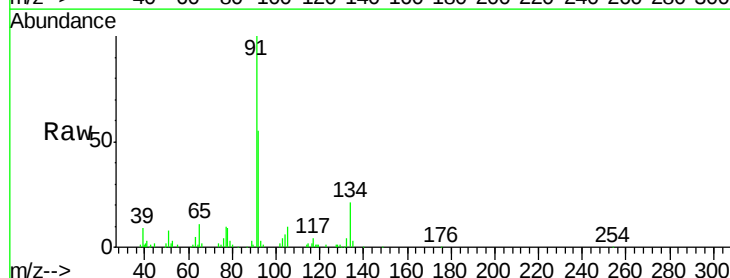
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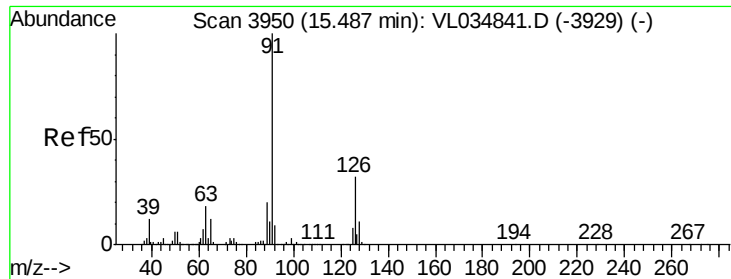
MMDadoda
3/11/2020 3:26:20 PM



#70
n-Butylbenzene
Concen: 0.345 ppbv
RT: 18.59 min Scan# 4915
Delta R.T. 0.00 min
Lab File: VL034858.D
Acq: 10 Mar 2020 3:43

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	116691		
92	54.4	43.8	65.6	
134	24.1	19.0	28.4	





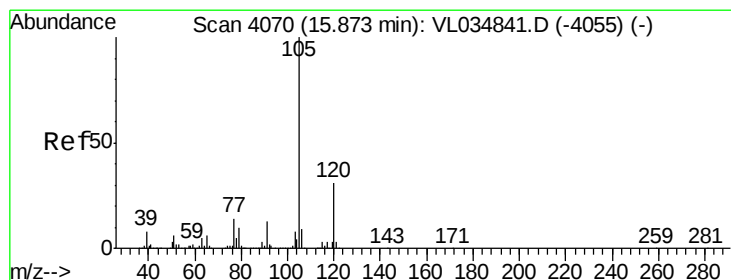
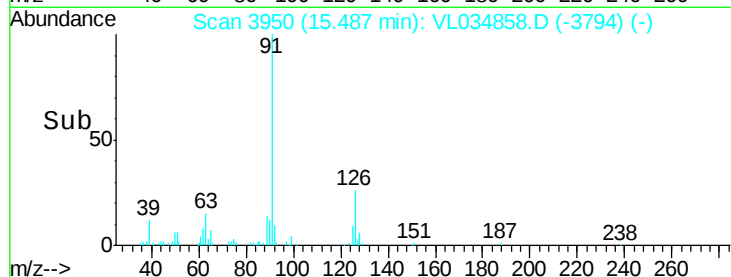
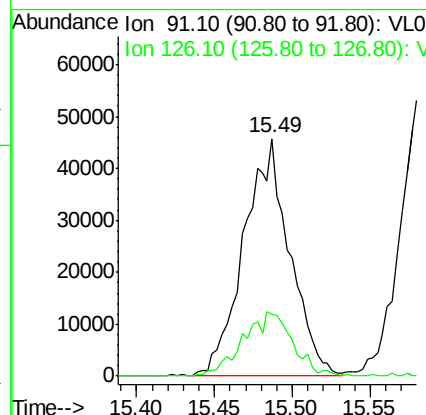
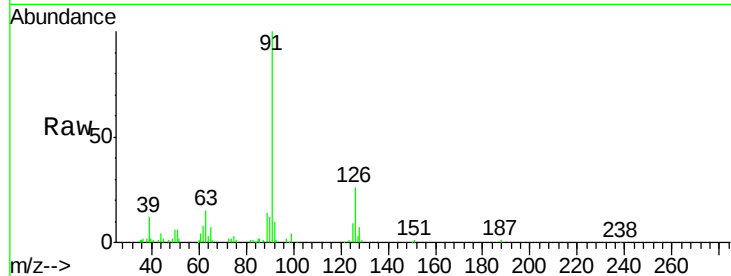
#71
 2-Chlorotoluene
 Concen: 0.380 ppbv m
 RT: 15.49 min Scan# 3950
 Delta R.T. 0.00 min
 Lab File: VL034858.D
 Acq: 10 Mar 2020 3:43

Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT1-2020

Tot Ion	Ratio	Lower	Upper
91	100		
126	29.4	12.3	49.1

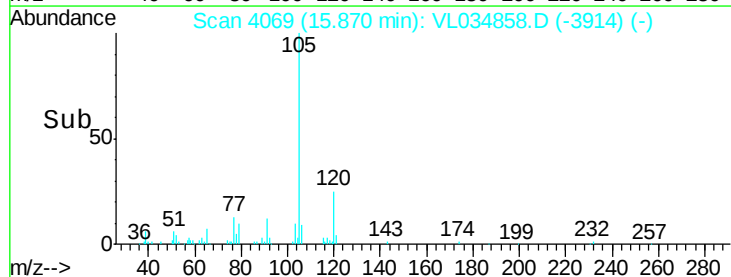
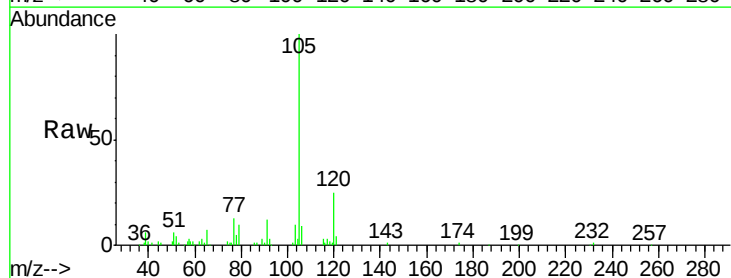
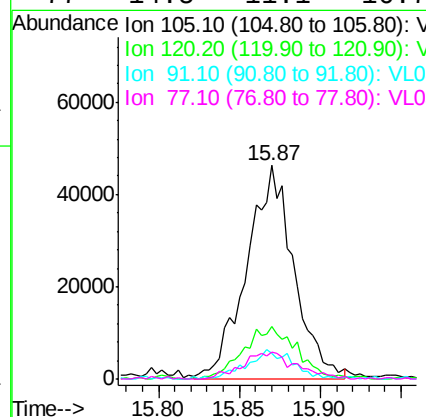
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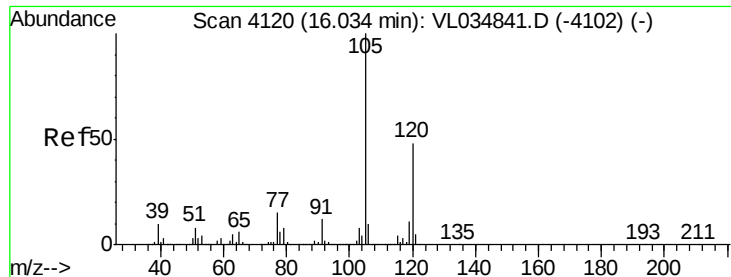
MMDadoda
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#72
 4-Ethyltoluene
 Concen: 0.368 ppbv m
 RT: 15.87 min Scan# 4069
 Delta R.T. -0.00 min
 Lab File: VL034858.D
 Acq: 10 Mar 2020 3:43

Tgt Ion	Ratio	Lower	Upper
105	100		
120	28.2	23.7	35.5
91	13.8	10.5	15.7
77	14.5	11.1	16.7





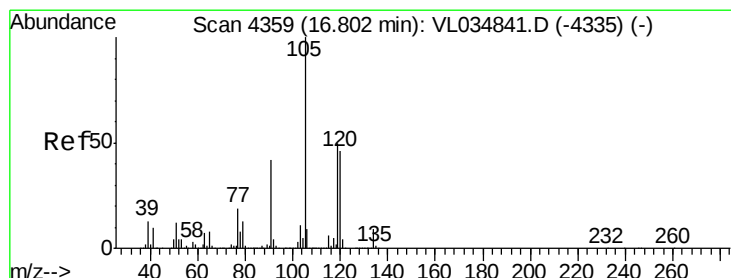
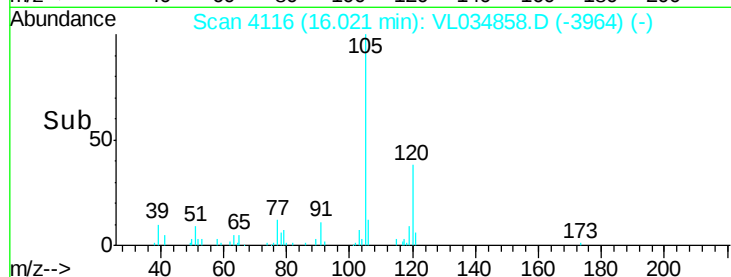
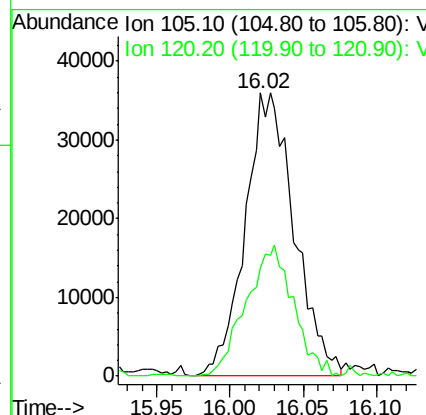
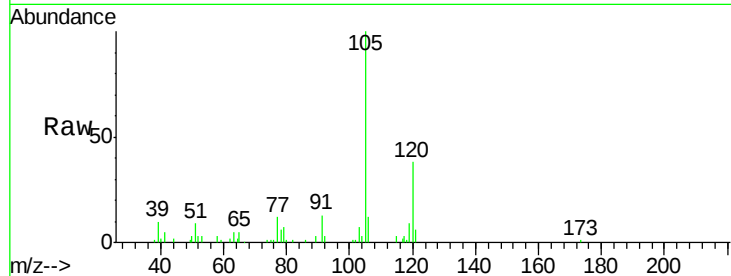
#73
 1,3,5-Trimethylbenzene
 Concen: 0.354 ppbv
 RT: 16.02 min Scan# 4116
 Delta R.T. -0.01 min
 Lab File: VL034858.D
 Acq: 10 Mar 2020 3:43

Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT1-2020

Tot Ion	Ratio	Lower	Upper
105	100		
120	38.4	38.6	58.0#

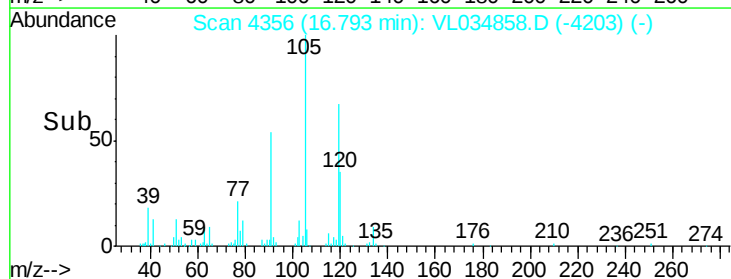
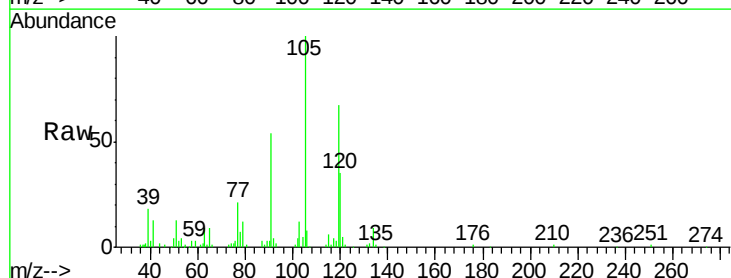
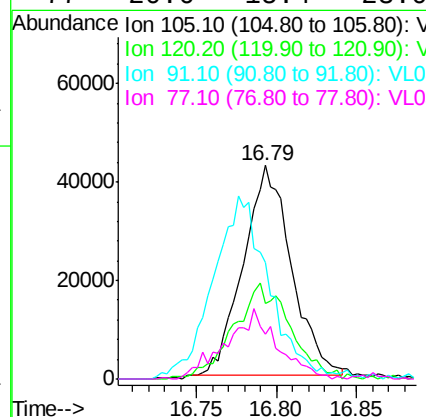
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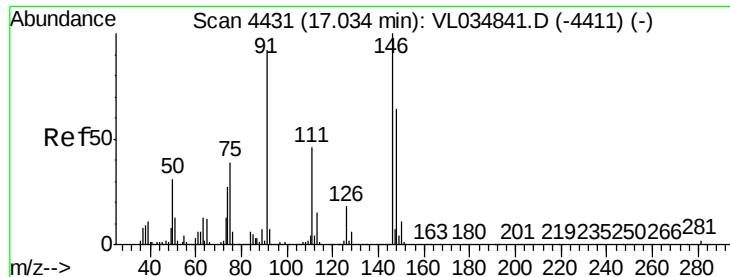
MMDadoda
 3/11/2020 3:26:20 PM



#74
 1,2,4-Trimethylbenzene
 Concen: 0.358 ppbv
 RT: 16.79 min Scan# 4356
 Delta R.T. -0.01 min
 Lab File: VL034858.D
 Acq: 10 Mar 2020 3:43

Tgt Ion	Ratio	Lower	Upper
105	100		
120	36.0	37.0	55.4#
91	52.5	33.8	50.6#
77	20.6	15.4	23.0





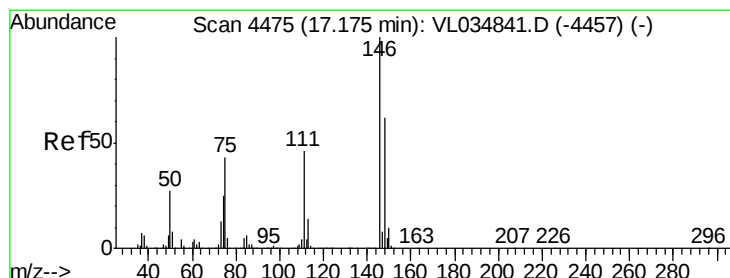
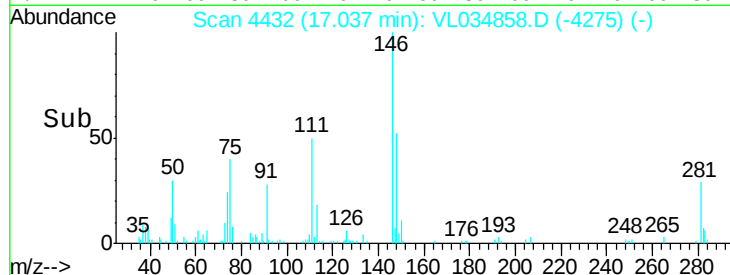
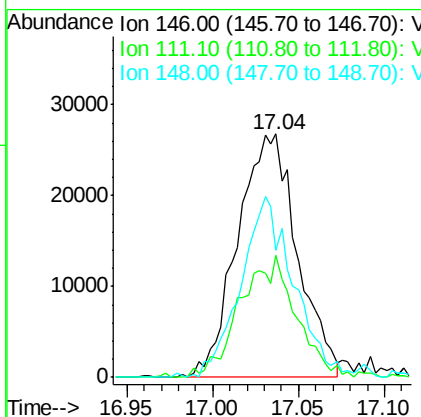
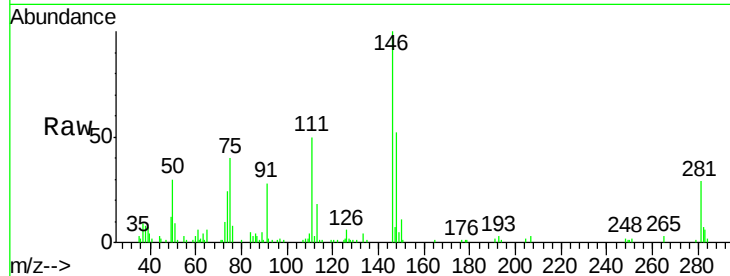
#75
 1,3-Dichlorobenzene
 Concen: 0.435 ppbv
 RT: 17.04 min Scan# 4432
 Delta R.T. 0.00 min
 Lab File: VL034858.D
 Acq: 10 Mar 2020 3:43

Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT1-2020

Tot Ion	Ratio	Lower	Upper
146	100		
111	47.9	23.9	71.7
148	67.6	32.5	97.5

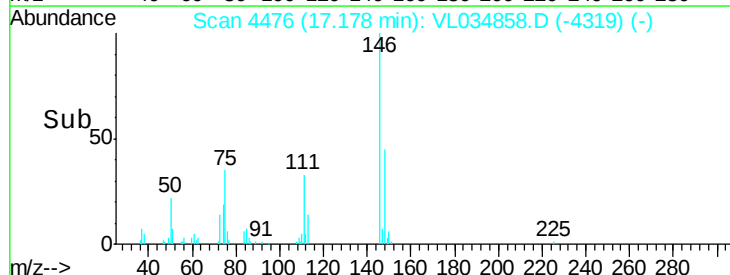
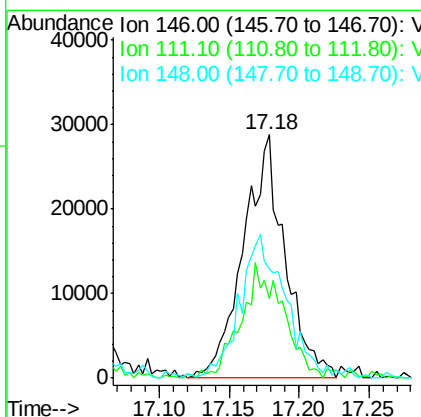
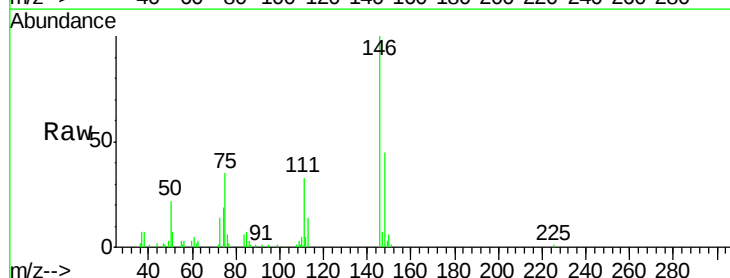
Manual Integrations
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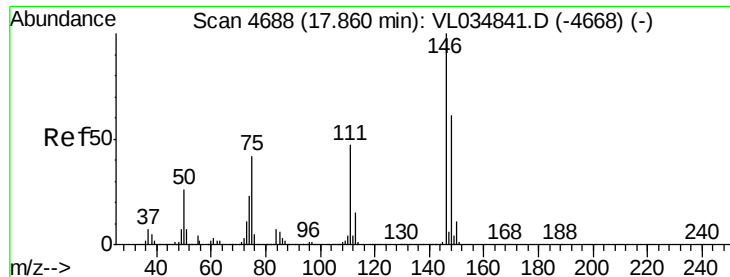
MMDadoda
 3/11/2020 3:26:20 PM



#76
 1,4-Dichlorobenzene
 Concen: 0.405 ppbv m
 RT: 17.18 min Scan# 4476
 Delta R.T. 0.00 min
 Lab File: VL034858.D
 Acq: 10 Mar 2020 3:43

Tgt Ion	Ratio	Lower	Upper
146	100		
111	50.2	23.4	70.2
148	65.8	32.3	96.9





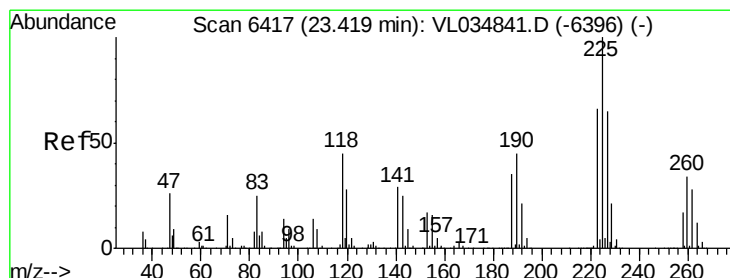
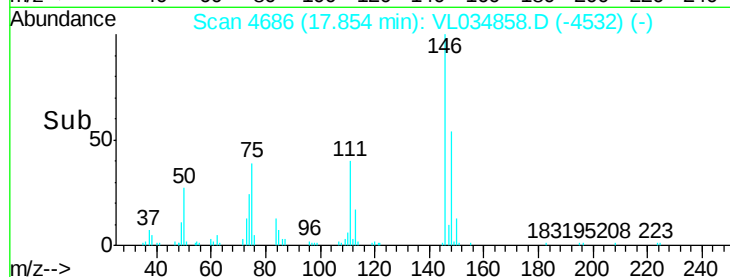
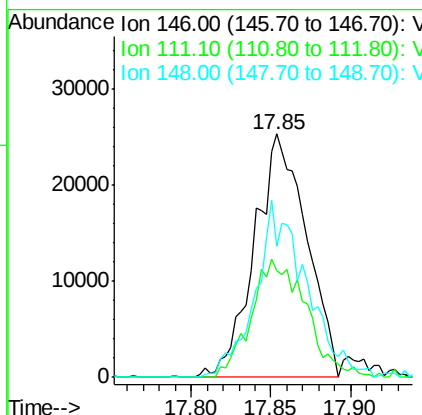
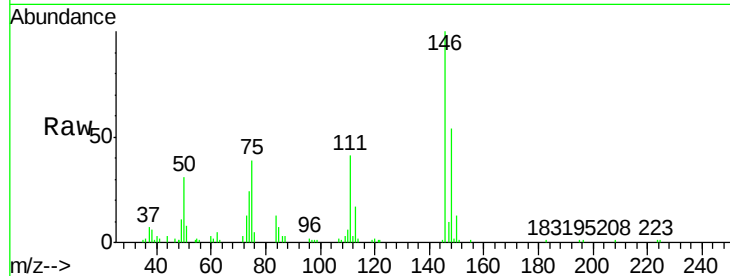
#77
 1,2-Dichlorobenzene
 Concen: 0.400 ppbv m
 RT: 17.85 min Scan# 4686
 Delta R.T. -0.01 min
 Lab File: VL034858.D
 Acq: 10 Mar 2020 3:43

Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT1-2020

Tot Ion	Ratio	Lower	Upper
146	100		
111	51.4	23.8	71.4
148	70.2	31.6	94.8

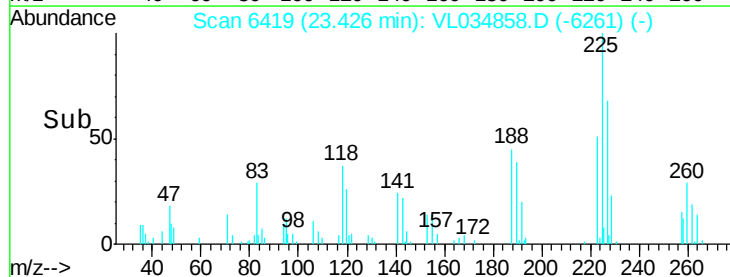
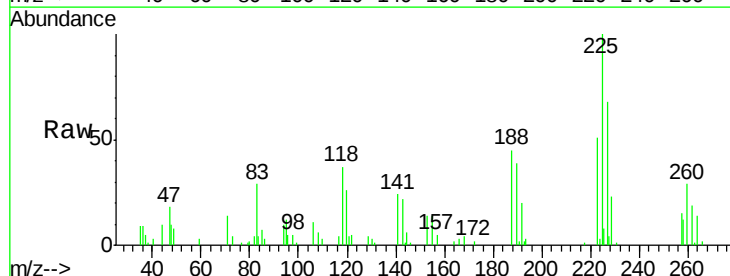
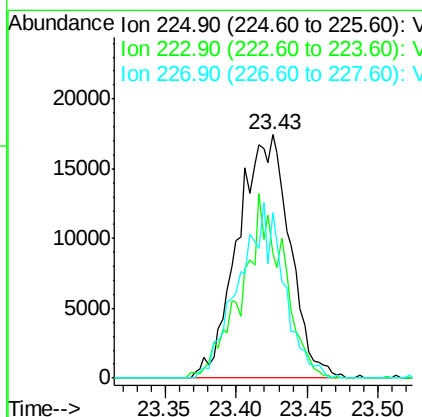
Manual Integrations
 APPROVED

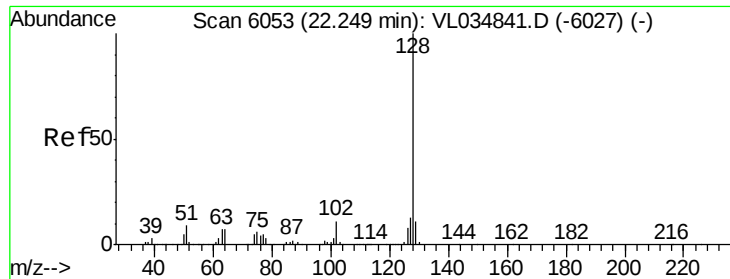
MMDadoda
 3/11/2020 3:26:20 PM



#78
 Hexachloro-1,3-Butadiene
 Concen: 0.369 ppbv m
 RT: 23.43 min Scan# 6419
 Delta R.T. 0.01 min
 Lab File: VL034858.D
 Acq: 10 Mar 2020 3:43

Tgt Ion	Ratio	Lower	Upper
225	100		
223	60.9	51.1	76.7
227	62.0	51.8	77.6





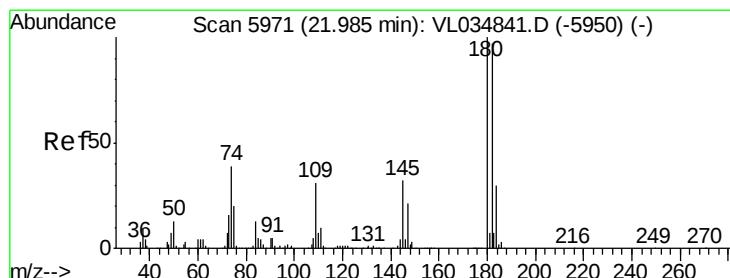
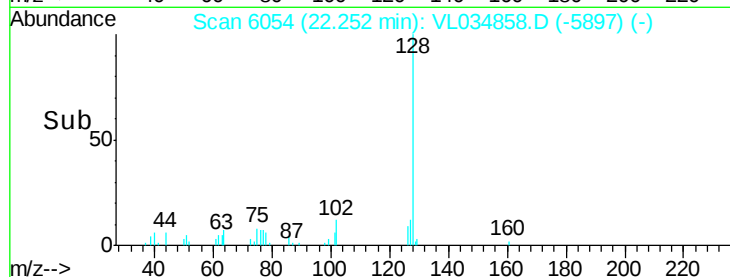
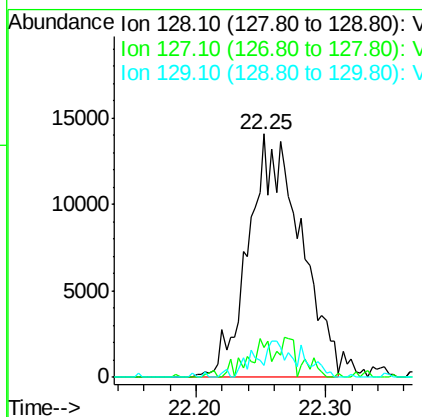
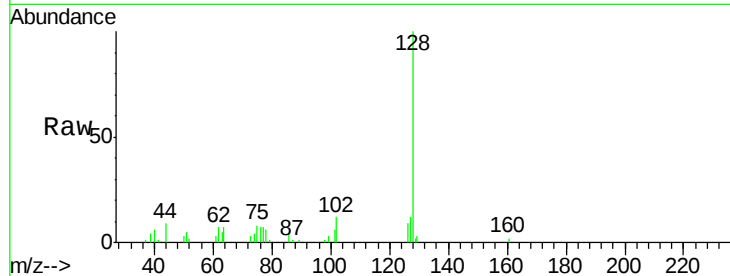
#79
Naphthalene
Concen: 0.205 ppbv m
RT: 22.25 min Scan# 6054
Delta R.T. 0.00 min
Lab File: VL034858.D
Acq: 10 Mar 2020 3:43

Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT1-2020

Tot Ion	Ratio	Resp	Lower	Upper
128	100	39196		
127	12.2		10.2	15.2
129	3.2		8.6	13.0#

Manual Integrations
APPROVED

MMDadoda
3/11/2020 3:26:20 PM



#81
1,2,4-Trichlorobenzene
Concen: 0.293 ppbv m
RT: 21.99 min Scan# 5972
Delta R.T. 0.00 min
Lab File: VL034858.D
Acq: 10 Mar 2020 3:43

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	35605		
182	0.0		76.6	115.0#
184	0.0		25.0	37.4#

