

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL080320\
 Data File : VL035331.D
 Acq On : 4 Aug 2020 2:44
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleID :
 VSTDCCC010EC

Manual Integrations
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 8/6/2020 2:45:37 PM

Quant Time: Aug 04 06:46:55 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL080320AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Aug 04
 QLast Update : Tue Aug 04 05:31:29 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1426558	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	3433236	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.11	117	3483870m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.45	95	2917748	10.00	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.00%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.00	85	1514228	8.113 ppbv	95
3) Chlorodifluoromethane	2.94	51	1365423	8.328 ppbv	97
4) Chloromethane	3.09	50	758408	8.101 ppbv	98
5) Vinyl Chloride	3.21	62	788720	8.653 ppbv	99
6) Bromomethane	3.43	94	514554	8.582 ppbv	99
7) Chloroethane	3.51	64	300654	8.297 ppbv	95
8) Dichlorotetrafluoroethane	3.14	85	1901788	8.447 ppbv	97
9) Propene	2.96	41	502396	8.481 ppbv	96
10) Heptane	8.13	43	1482906	9.753 ppbv	99
11) Trichlorofluoromethane	3.91	101	2100112	8.615 ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.46	101	1481515	8.719 ppbv	95
13) Ethanol	3.56	45	125693	5.744 ppbv	99
14) Bromoethene	3.70	108	616837	8.815 ppbv	99
15) Acetone	3.81	43	1619091	7.849 ppbv	99
16) 1,3-Butadiene	3.28	39	699940	9.098 ppbv	99
17) tert-Butyl alcohol	4.26	59	1592744	8.477 ppbv	99
18) 1,1-Dichloroethene	4.26	96	672403	8.790 ppbv	100
19) Isopropyl Alcohol	3.93	45	996981	7.694 ppbv #	97
20) Methylene Chloride	4.31	84	597882	6.345 ppbv	95
21) Allyl Chloride	4.38	41	1051930	9.004 ppbv	98
22) trans-1,2-Dichloroethene	4.86	96	672772	8.865 ppbv	97
23) Vinyl Acetate	5.05	43	1836666	8.985 ppbv	99
24) 1,1-Dichloroethane	4.99	63	1588409	8.351 ppbv	100
25) Ethyl Acetate	5.66	43	2703133	8.669 ppbv	99
26) Hexane	5.67	57	1221950	8.753 ppbv	99
27) Carbon Disulfide	4.52	76	1805946	9.614 ppbv	100
28) Methyl tert-Butyl Ether	5.01	73	1861978	8.875 ppbv	99
29) Chloroform	5.74	83	2043436	8.653 ppbv	99
30) Cyclohexane	7.12	84	984424	9.400 ppbv	95
31) cis-1,2-Dichloroethene	5.53	61	1191034	9.248 ppbv	97
32) 1,1,1-Trichloroethane	6.51	97	2011586	8.809 ppbv	99
34) 2-Butanone	5.22	43	1617010	8.946 ppbv	100
35) Carbon Tetrachloride	7.01	117	2162784	9.741 ppbv	96
36) Benzene	6.89	78	2366990	9.404 ppbv	99
37) 1,2-Dichloroethane	6.30	62	1573127	9.226 ppbv	99
38) Trichloroethene	7.84	130	1030312	11.139 ppbv	95
39) 1,2-Dichloropropane	7.62	63	912018	9.194 ppbv	97
40) 1,4-Dioxane	7.83	88	383061m	8.891 ppbv	
41) Tetrahydrofuran	6.03	42	854752	9.586 ppbv	98
42) Bromodichloromethane	7.80	83	2205207	9.479 ppbv	96
43) Methyl Methacrylate	8.02	69	1068286	10.158 ppbv	97

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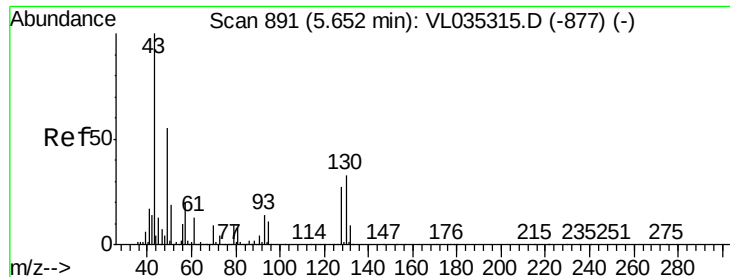
Manual Integrations
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Quant Time: Aug 04 06:46:55 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL080320AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Aug 04
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.87	57	4116641	9.547	ppbv	99
45) t-1,3-Dichloropropene	9.29	75	1243407	11.077	ppbv	98
46) cis-1,3-Dichloropropene	8.72	75	1471194	10.947	ppbv	100
47) 1,1,2-Trichloroethane	9.49	97	1052474	9.142	ppbv	96
48) Dibromochloromethane	10.32	129	1873028	9.999	ppbv	99
49) Bromoform	13.07	173	1736127	10.640	ppbv	100
50) 4-Methyl-2-Pentanone	8.74	43	2524780	9.890	ppbv	100
51) 2-Hexanone	10.14	43	2042829	10.342	ppbv #	99
52) Tetrachloroethene	11.25	164	906491	10.223	ppbv	98
53) Toluene	9.82	91	2834111	10.707	ppbv	100
54) 1,2-Dibromoethane	10.63	107	1640401	9.625	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.15	131	1446525	8.847	ppbv	97
57) Chlorobenzene	12.17	112	2331718	8.745	ppbv	98
58) Ethyl Benzene	12.73	91	3933116	10.304	ppbv	96
59) m/p-Xylene	13.02	91	6713269m	19.061	ppbv	
60) o-Xylene	13.72	91	3394621	9.749	ppbv	99
61) Styrene	13.55	104	2340368	10.932	ppbv	99
62) Isopropylbenzene	14.70	105	4987839	9.496	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.71	83	2491134	9.121	ppbv	98
64) n-propylbenzene	15.59	120	1336845m	9.729	ppbv	
65) tert-Butylbenzene	16.78	119	4563310	9.702	ppbv	100
66) Benzyl Chloride	17.03	91	1868466	10.275	ppbv	99
67) sec-Butylbenzene	17.33	105	6375835	9.588	ppbv	100
69) p-Isopropyltoluene	17.69	119	5292168	9.619	ppbv	100
70) n-Butylbenzene	18.59	91	5552120	9.380	ppbv	99
71) 2-Chlorotoluene	15.48	91	3883465	9.906	ppbv	99
72) 4-Ethyltoluene	15.87	105	3962836	10.087	ppbv	99
73) 1,3,5-Trimethylbenzene	16.03	105	3804909	9.887	ppbv	98
74) 1,2,4-Trimethylbenzene	16.80	105	4022727	9.117	ppbv	94
75) 1,3-Dichlorobenzene	17.04	146	2313868	8.430	ppbv	99
76) 1,4-Dichlorobenzene	17.18	146	2300291	8.854	ppbv	99
77) 1,2-Dichlorobenzene	17.86	146	2238343	8.843	ppbv	99
78) Hexachloro-1,3-Butadiene	23.42	225	1716856	8.354	ppbv	99
79) Naphthalene	22.26	128	3392483	9.714	ppbv	99
80) Naphthalene, 2-methyl-	25.01	142	1173214	11.441	ppbv	99
81) 1,2,4-Trichlorobenzene	21.99	180	1908345	8.983	ppbv	100

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 892

Delta R.T. 0.00 min

Lab File: VL035331.D

Acq: 4 Aug 2020 2:44

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 49 Resp: 1426558

Ion Ratio Lower Upper

49 100

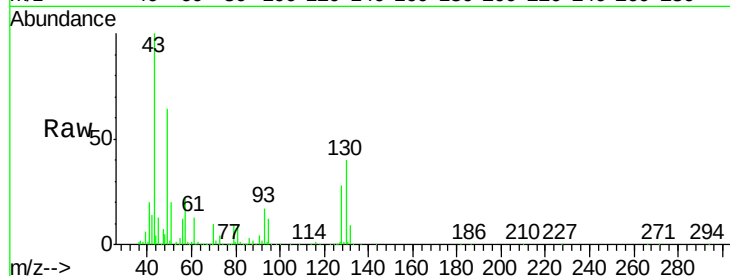
128 47.7 23.8 71.5

130 63.0 31.4 94.3

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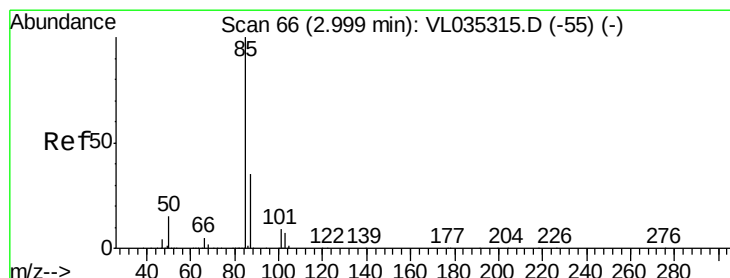
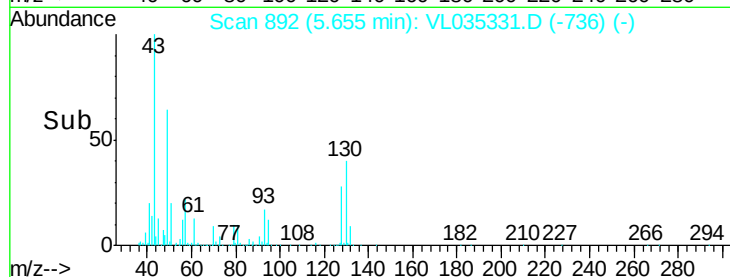
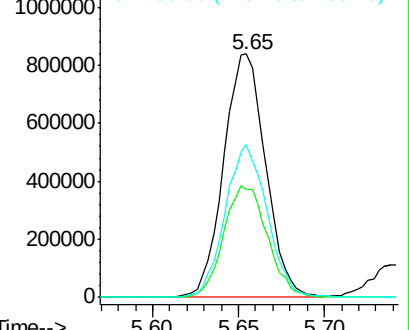
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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 8.113 ppbv

RT: 3.00 min Scan# 66

Delta R.T. -0.00 min

Lab File: VL035331.D

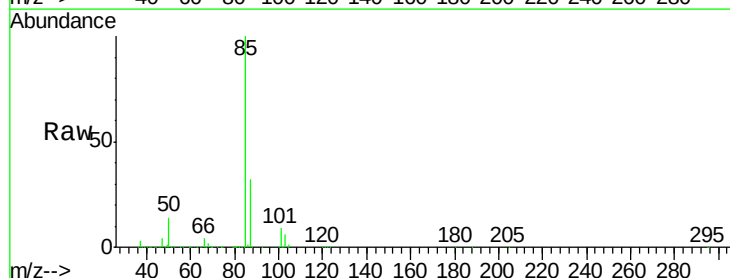
Acq: 4 Aug 2020 2:44

Tgt Ion: 85 Resp: 1514228

Ion Ratio Lower Upper

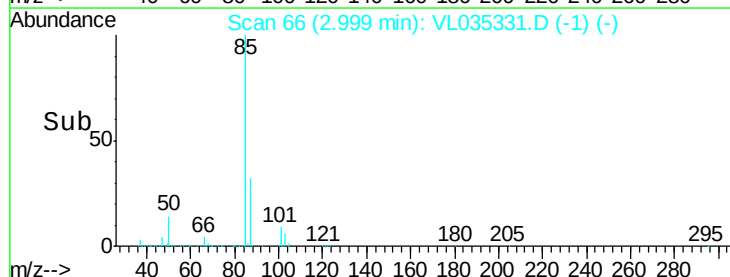
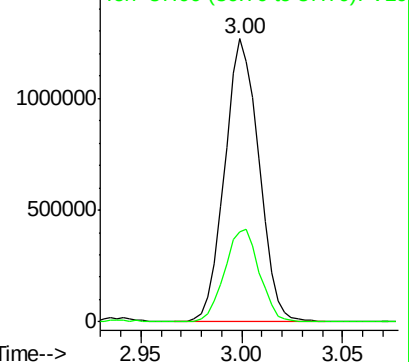
85 100

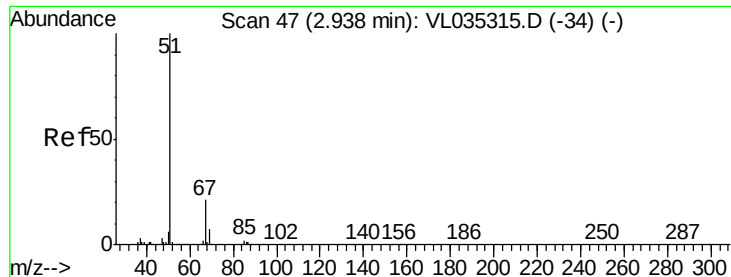
87 31.8 27.8 41.6



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 8.328 ppbv

RT: 2.94 min Scan# 47

Delta R.T. -0.00 min

Lab File: VL035331.D

Acq: 4 Aug 2020 2:44

Tot Ion: 51 Resp: 1365423

Ion Ratio Lower Upper

51 100

67 21.7 16.2 24.2

Instrument :

MSVOA_L

ClientSampleId :

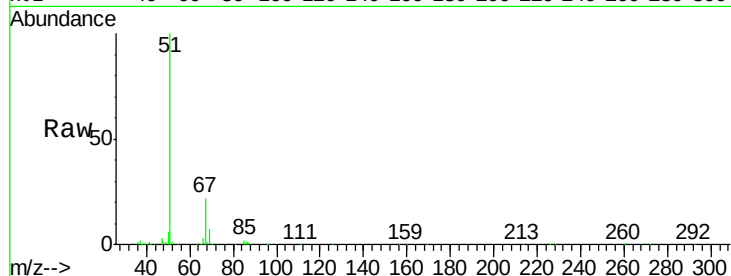
VSTDCCC010EC

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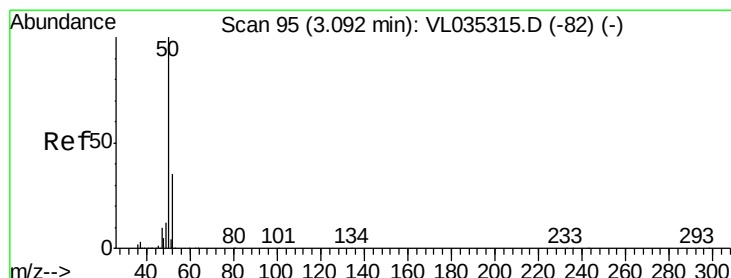
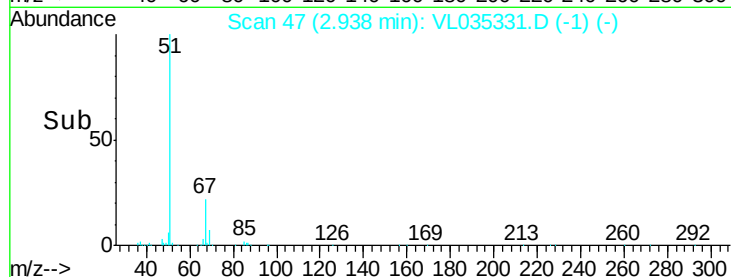
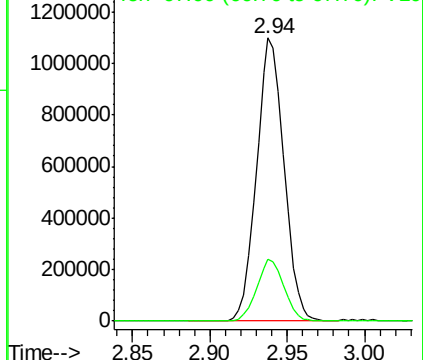
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Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 8.101 ppbv

RT: 3.09 min Scan# 95

Delta R.T. -0.00 min

Lab File: VL035331.D

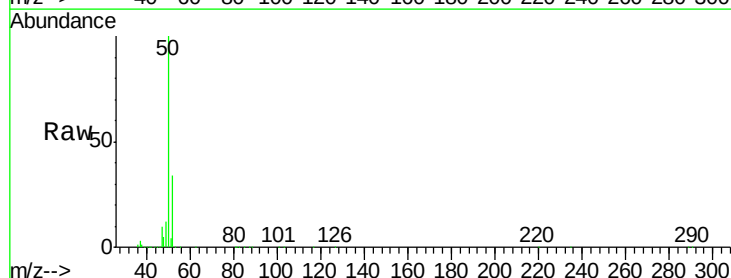
Acq: 4 Aug 2020 2:44

Tgt Ion: 50 Resp: 758408

Ion Ratio Lower Upper

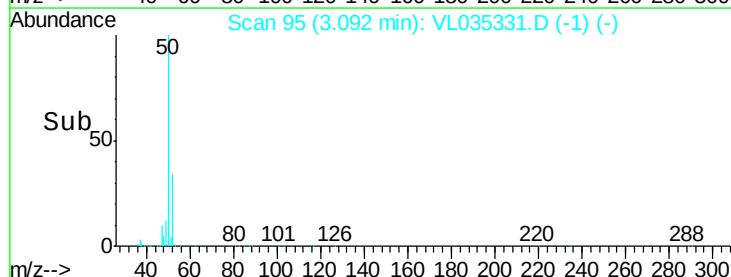
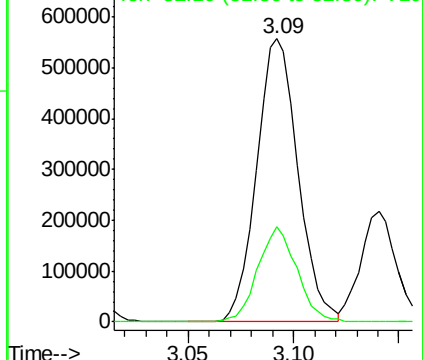
50 100

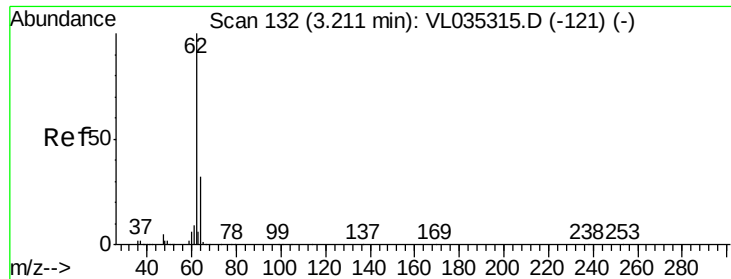
52 33.8 27.8 41.8



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 8.653 ppbv

RT: 3.21 min Scan# 132

Delta R.T. -0.00 min

Lab File: VL035331.D

Acq: 4 Aug 2020 2:44

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 62 Resp: 788720

Ion Ratio Lower Upper

62 100

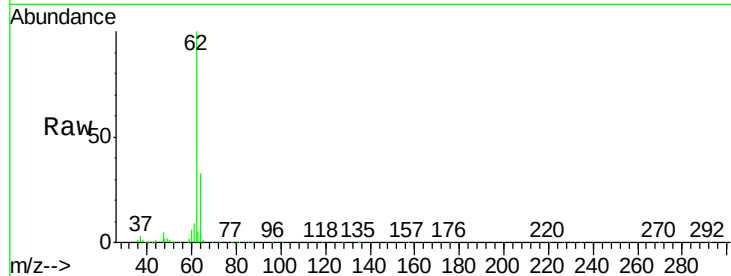
64 33.2 25.9 38.9

Manual Integrations

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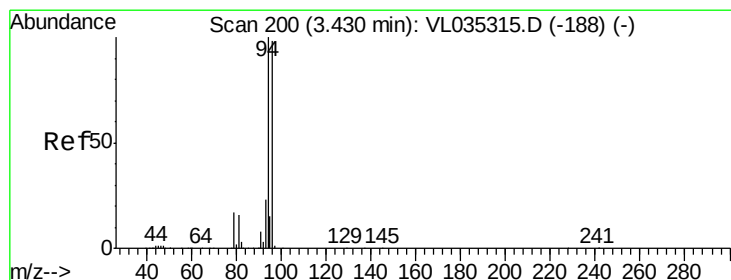
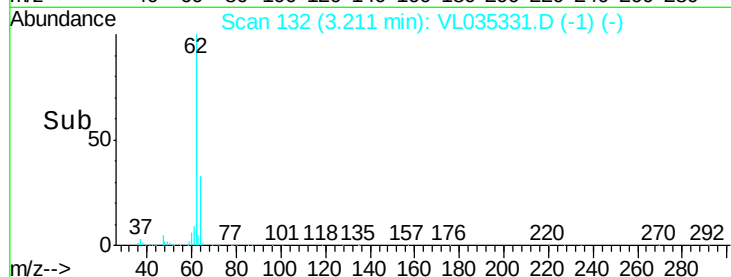
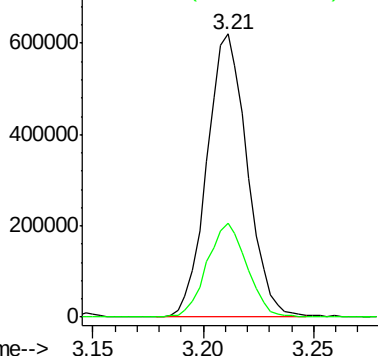
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Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 8.582 ppbv

RT: 3.43 min Scan# 200

Delta R.T. -0.00 min

Lab File: VL035331.D

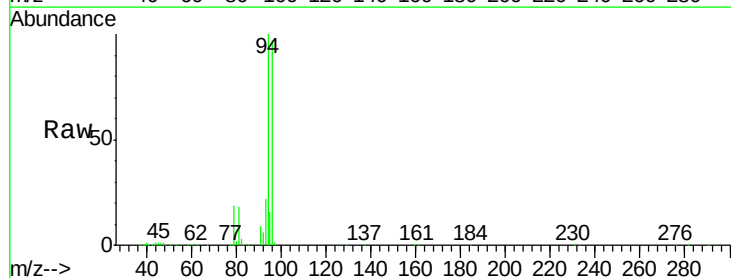
Acq: 4 Aug 2020 2:44

Tgt Ion: 94 Resp: 514554

Ion Ratio Lower Upper

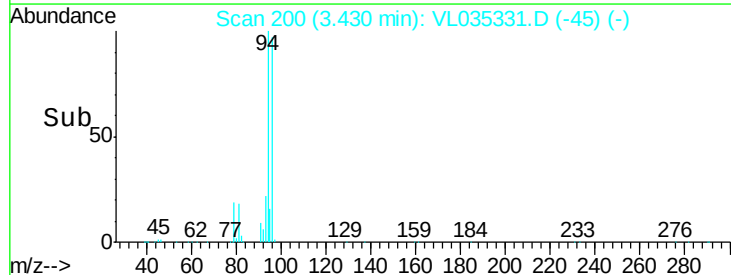
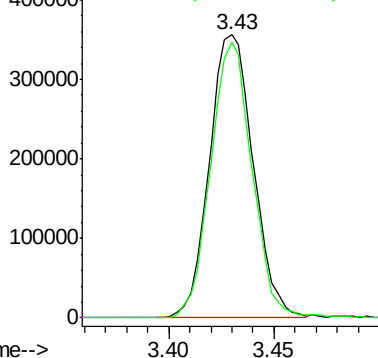
94 100

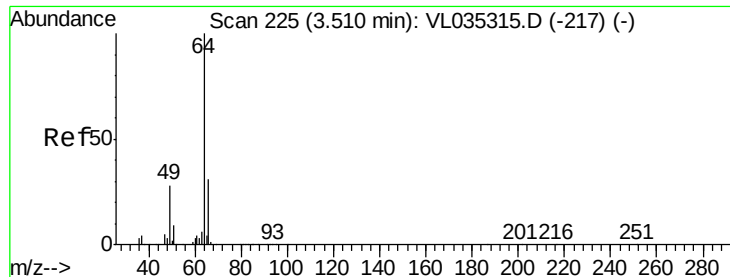
96 97.3 78.6 117.8



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 8.297 ppbv

RT: 3.51 min Scan# 226

Delta R.T. 0.00 min

Lab File: VL035331.D

Acq: 4 Aug 2020 2:44

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 64 Resp: 300654

Ion Ratio Lower Upper

64 100

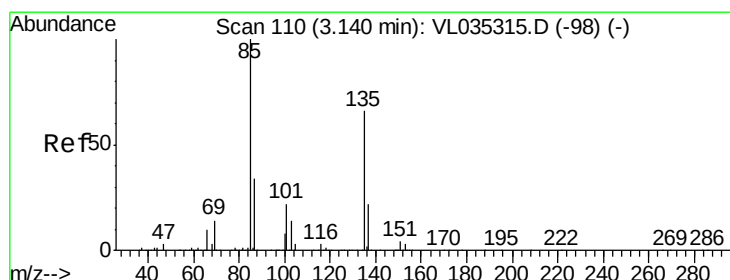
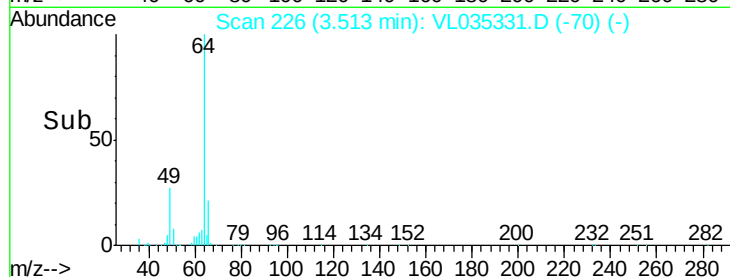
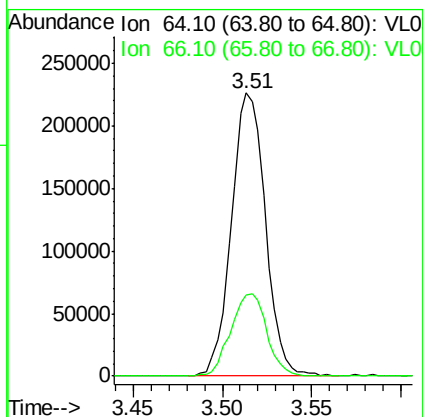
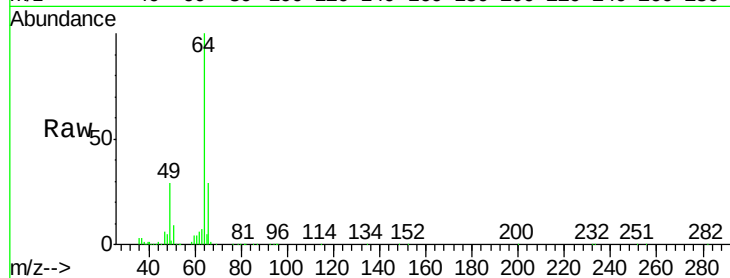
66 28.5 24.9 37.3

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#8

Dichlorotetrafluoroethane

Concen: 8.447 ppbv

RT: 3.14 min Scan# 110

Delta R.T. -0.00 min

Lab File: VL035331.D

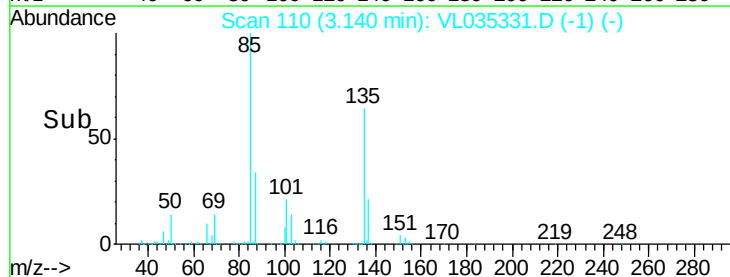
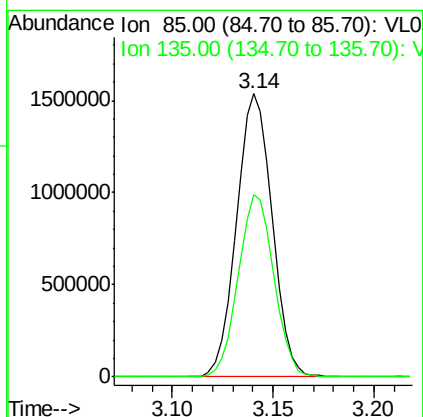
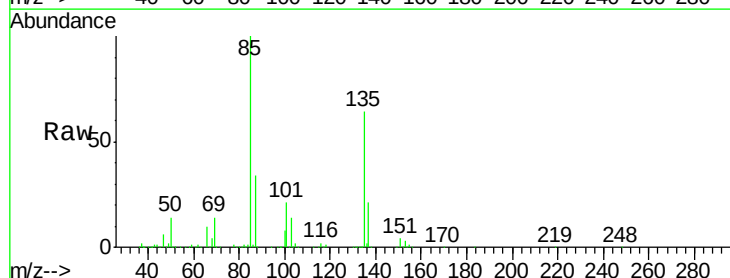
Acq: 4 Aug 2020 2:44

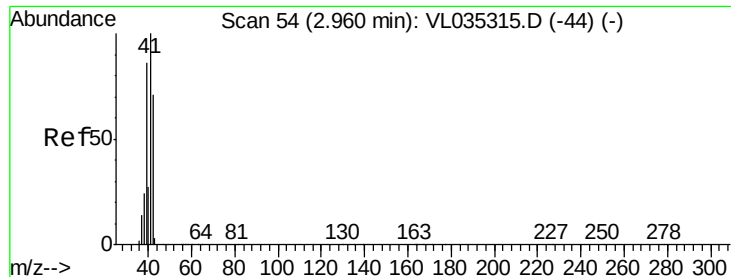
Tgt Ion: 85 Resp: 1901788

Ion Ratio Lower Upper

85 100

135 64.6 53.4 80.0





#9

Propene

Concen: 8.481 ppbv

RT: 2.96 min Scan# 54

Delta R.T. -0.00 min

Lab File: VL035331.D

Acq: 4 Aug 2020 2:44

Tot Ion: 41 Resp: 502396

Ion Ratio Lower Upper

41 100

42 68.0 56.8 85.2

Instrument :

MSVOA_L

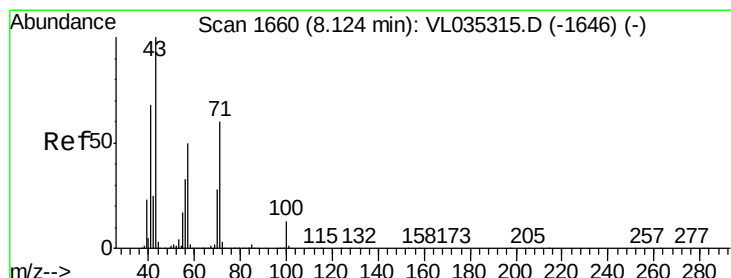
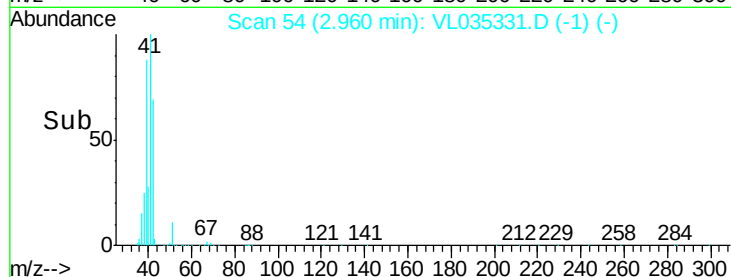
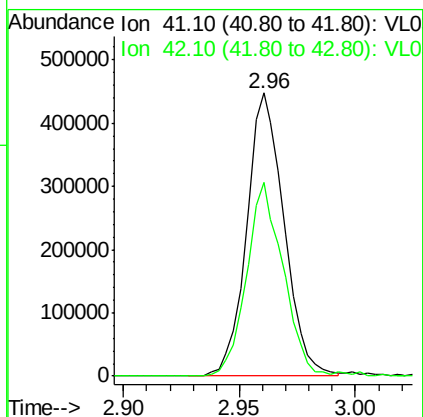
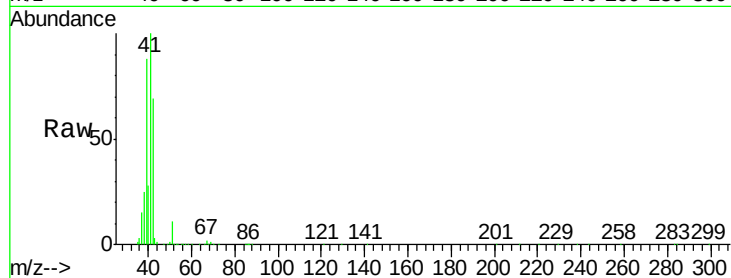
ClientSampleId :

VSTDCCC010EC

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#10

Heptane

Concen: 9.753 ppbv

RT: 8.13 min Scan# 1661

Delta R.T. 0.00 min

Lab File: VL035331.D

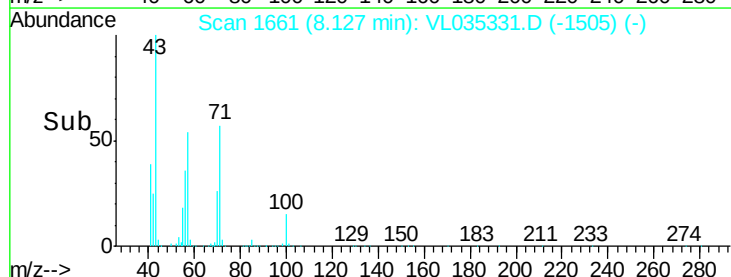
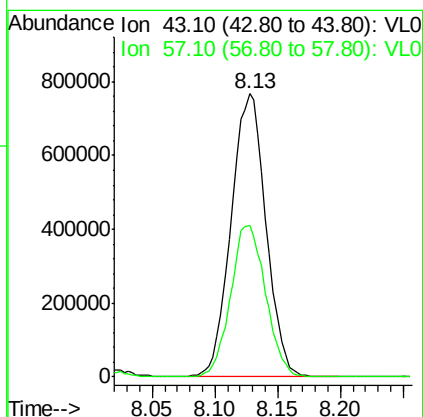
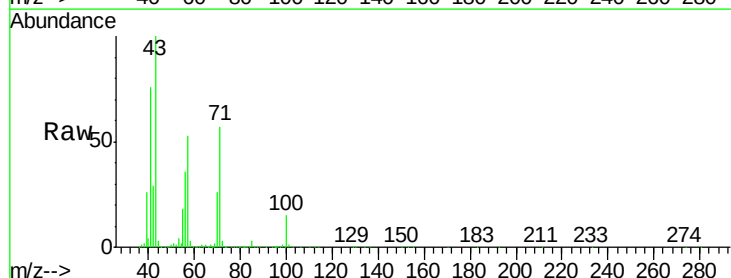
Acq: 4 Aug 2020 2:44

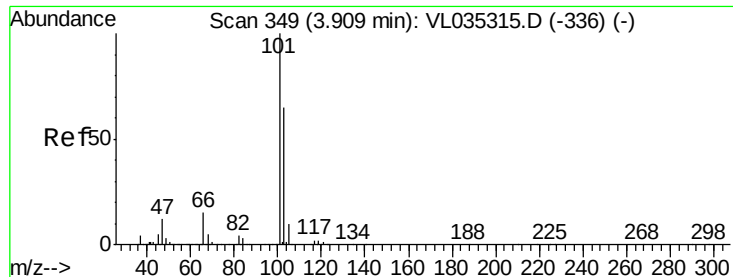
Tgt Ion: 43 Resp: 1482906

Ion Ratio Lower Upper

43 100

57 53.7 42.4 63.6





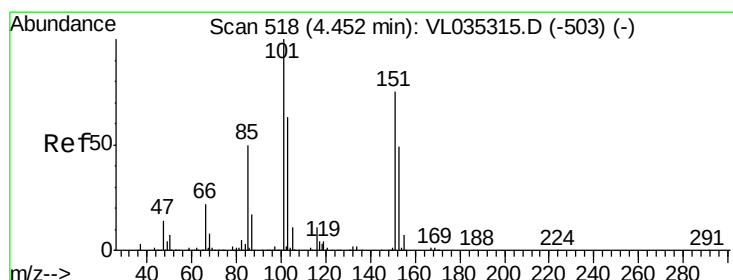
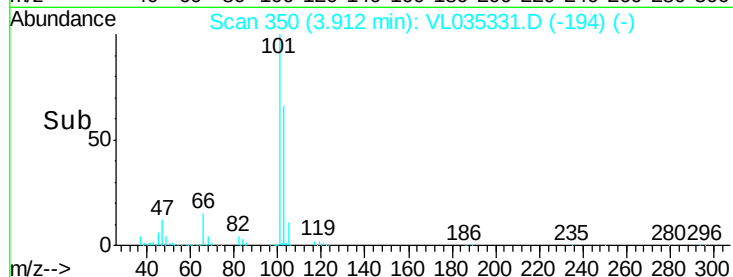
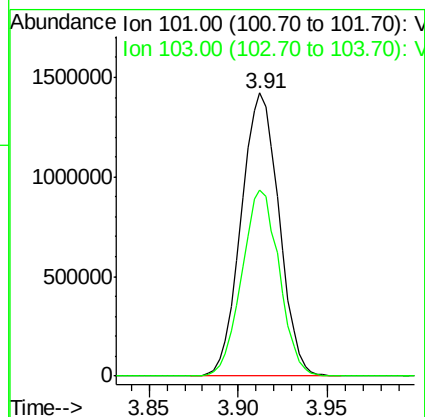
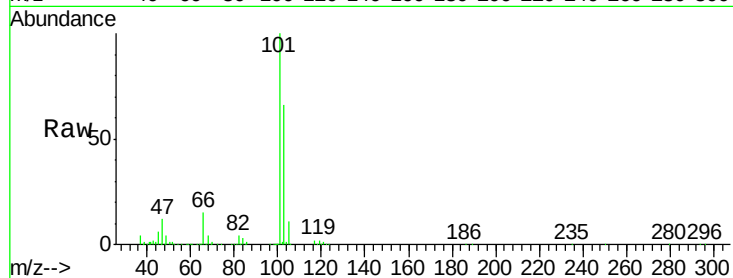
#11
 Trichlorofluoromethane
 Concen: 8.615 ppbv
 RT: 3.91 min Scan# 350
 Delta R.T. 0.00 min
 Lab File: VL035331.D
 Acq: 4 Aug 2020 2:44

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion:101 Resp: 2100112
 Ion Ratio Lower Upper
 101 100
 103 65.8 51.8 77.6

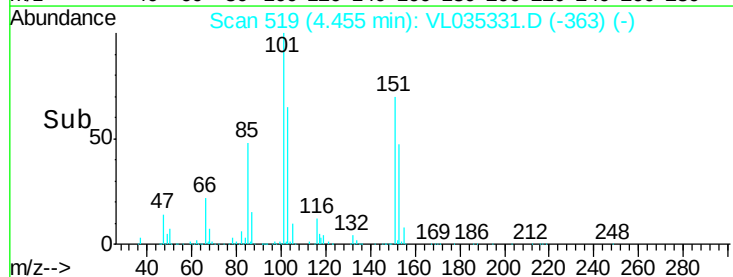
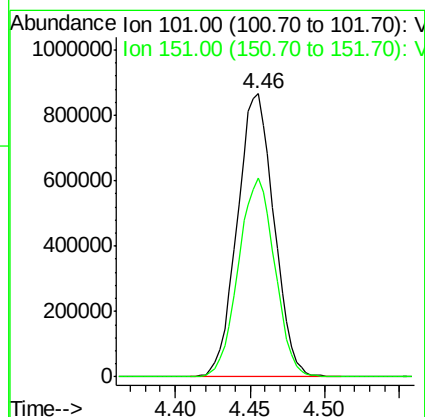
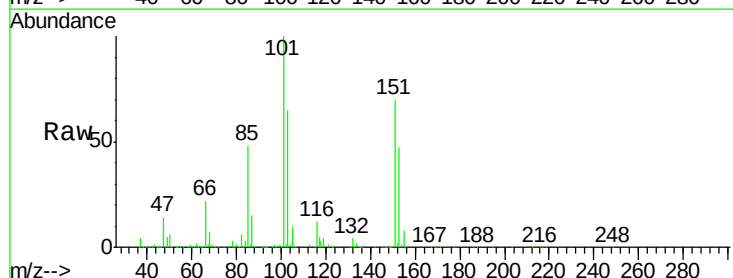
Manual Integrations
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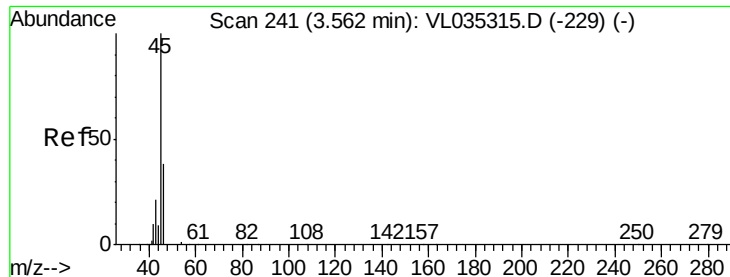
apatel
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#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 8.719 ppbv
 RT: 4.46 min Scan# 519
 Delta R.T. 0.00 min
 Lab File: VL035331.D
 Acq: 4 Aug 2020 2:44

Tgt Ion:101 Resp: 1481515
 Ion Ratio Lower Upper
 101 100
 151 69.7 58.9 88.3





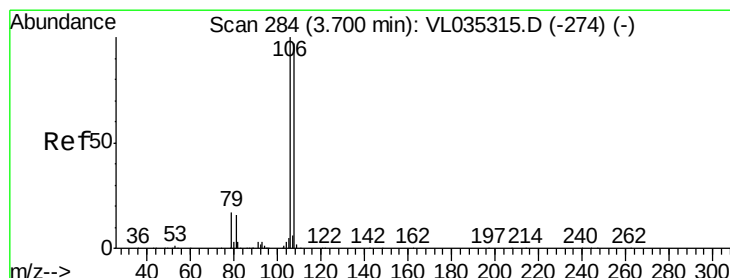
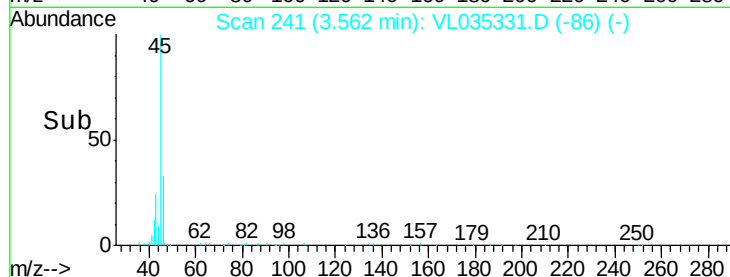
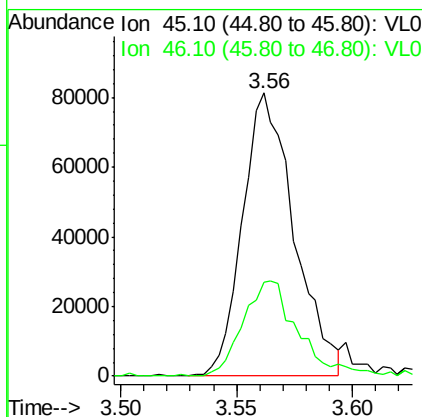
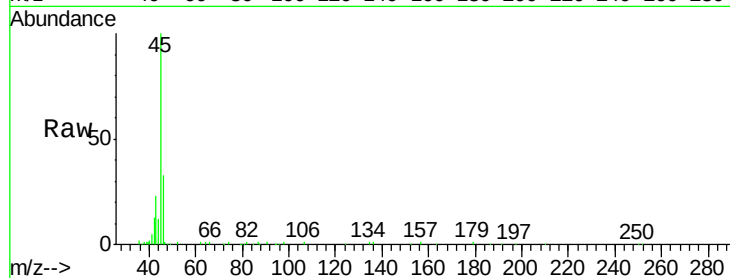
#13
Ethanol
Concen: 5.744 ppbv
RT: 3.56 min Scan# 241
Delta R.T. -0.00 min
Lab File: VL035331.D
Acq: 4 Aug 2020 2:44

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
45	100		
46	36.6	14.5	57.9

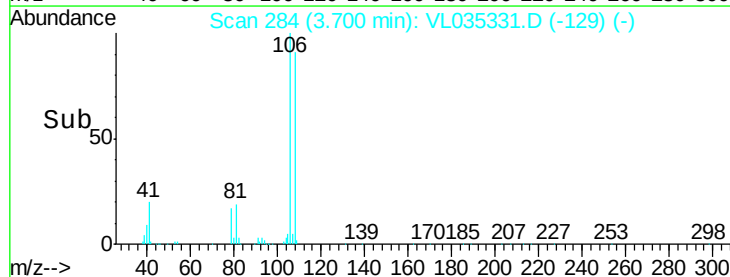
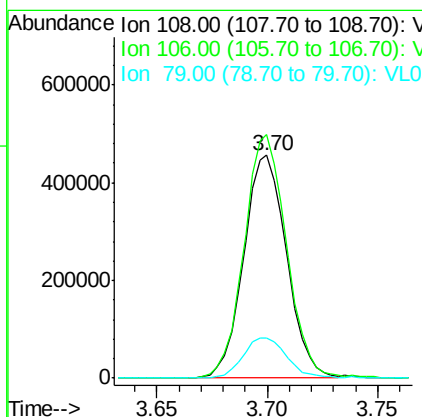
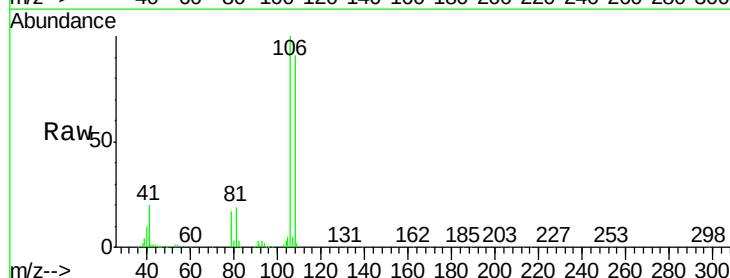
Manual Integrations
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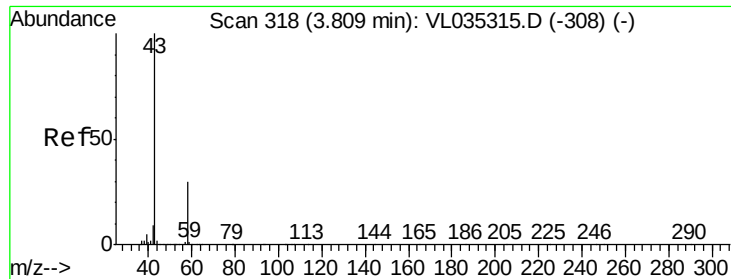
apatel
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#14
Bromoethene
Concen: 8.815 ppbv
RT: 3.70 min Scan# 284
Delta R.T. -0.00 min
Lab File: VL035331.D
Acq: 4 Aug 2020 2:44

Tgt Ion	Ratio	Lower	Upper
108	100		
106	108.7	86.2	129.2
79	19.0	14.0	21.0





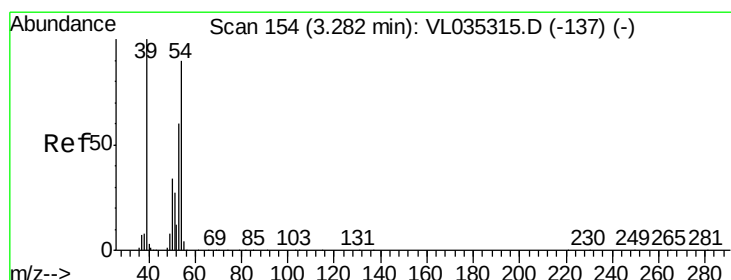
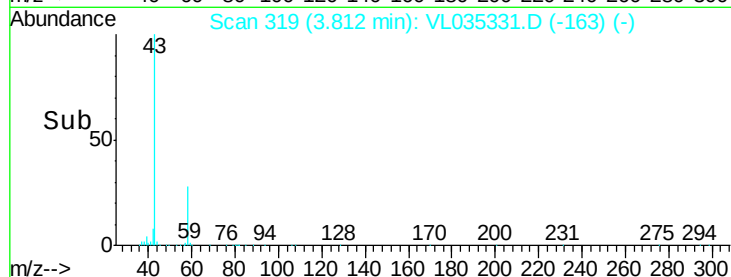
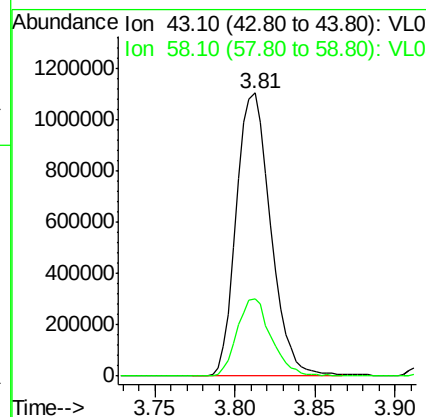
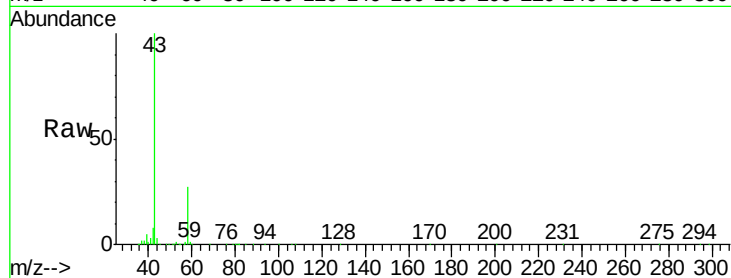
#15
Acetone
Concen: 7.849 ppbv
RT: 3.81 min Scan# 319
Delta R.T. 0.00 min
Lab File: VL035331.D
Acq: 4 Aug 2020 2:44

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 43 Resp: 1619091
Ion Ratio Lower Upper
43 100
58 27.3 22.1 33.1

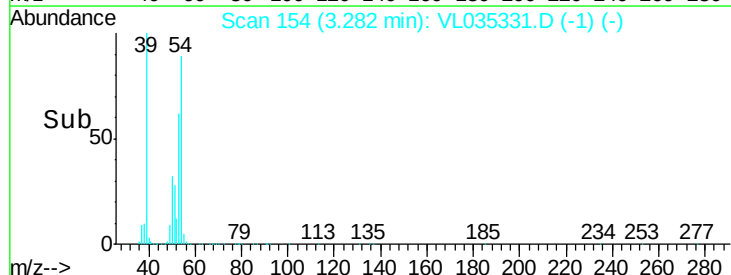
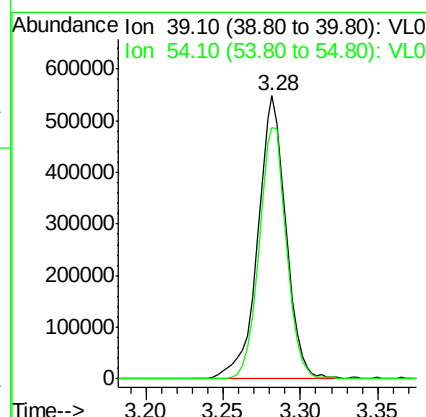
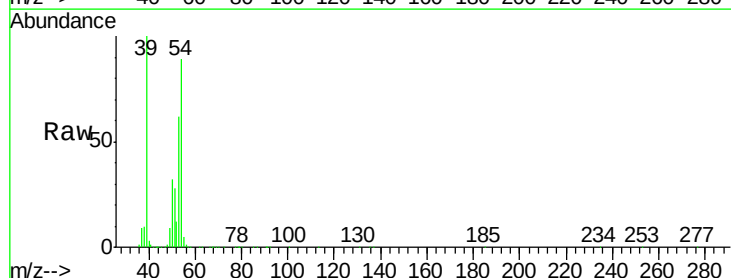
Manual Integrations
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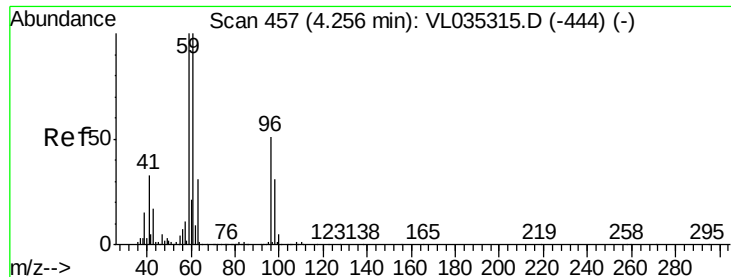
apatel
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#16
1,3-Butadiene
Concen: 9.098 ppbv
RT: 3.28 min Scan# 154
Delta R.T. -0.00 min
Lab File: VL035331.D
Acq: 4 Aug 2020 2:44

Tgt Ion: 39 Resp: 699940
Ion Ratio Lower Upper
39 100
54 86.0 68.0 102.0





#17

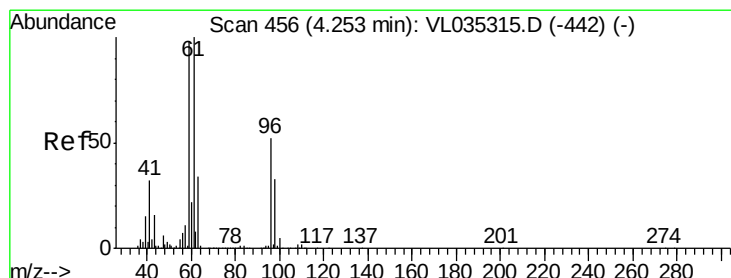
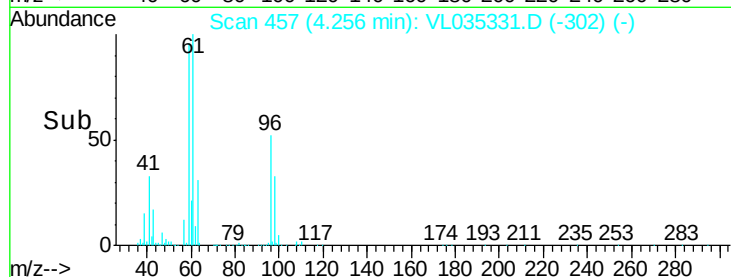
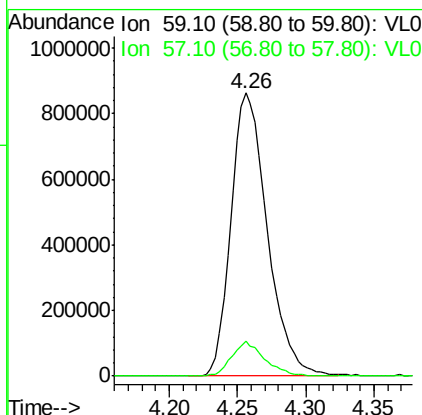
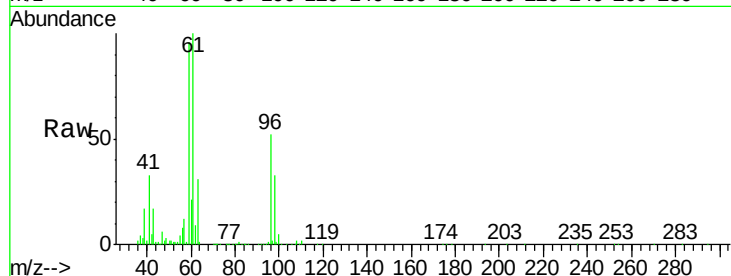
tert-Butyl alcohol
Concen: 8.477 ppbv
RT: 4.26 min Scan# 457
Delta R.T. -0.00 min
Lab File: VL035331.D
Acq: 4 Aug 2020 2:44

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 59 Resp: 1592744
Ion Ratio Lower Upper
59 100
57 11.2 8.6 13.0

Manual Integrations
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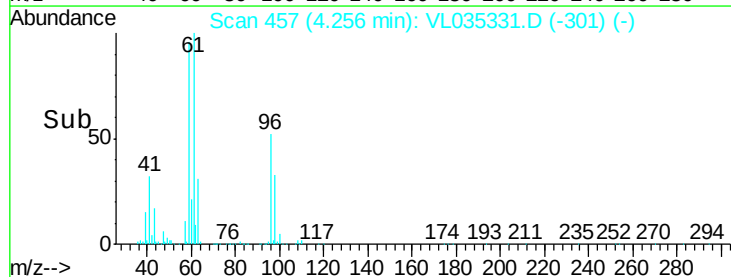
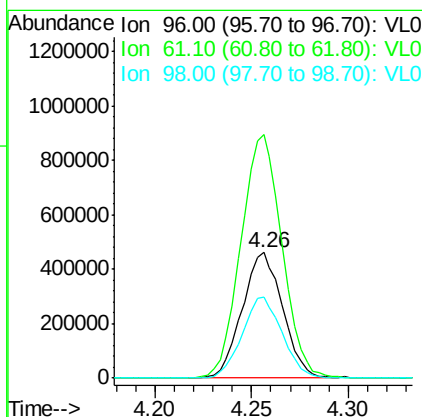
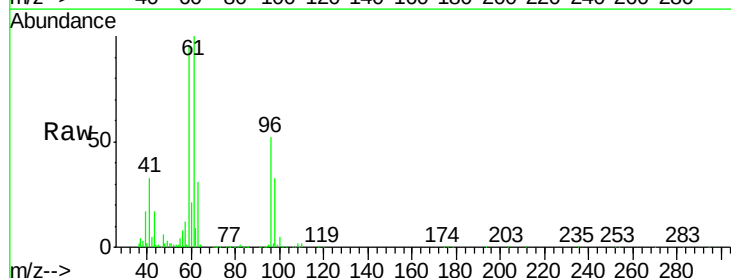
apatel
8/6/2020 2:45:37 PM

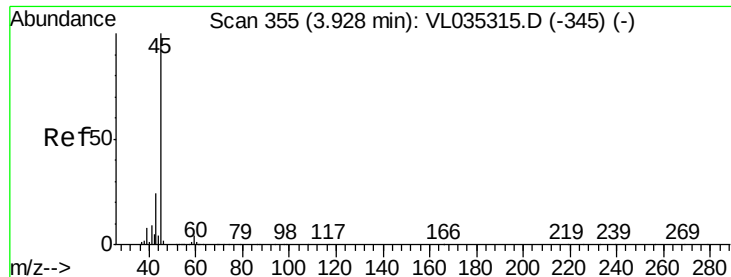


#18

1,1-Dichloroethene
Concen: 8.790 ppbv
RT: 4.26 min Scan# 457
Delta R.T. 0.00 min
Lab File: VL035331.D
Acq: 4 Aug 2020 2:44

Tgt Ion: 96 Resp: 672403
Ion Ratio Lower Upper
96 100
61 194.0 154.9 232.3
98 64.5 51.0 76.4





#19

Isopropyl Alcohol

Concen: 7.694 ppbv

RT: 3.93 min Scan# 355

Delta R.T. -0.00 min

Lab File: VL035331.D

Acq: 4 Aug 2020 2:44

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 45 Resp: 996981

Ion Ratio Lower Upper

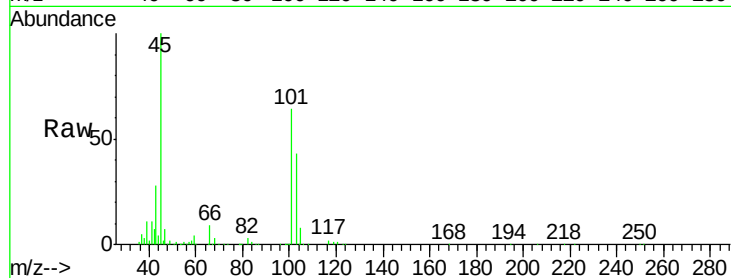
45 100

58 2.9 1.5 2.3#

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Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

3.93

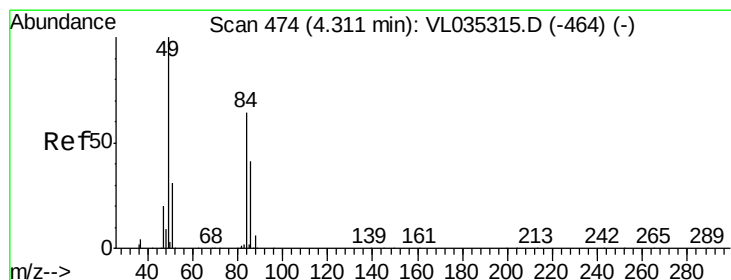
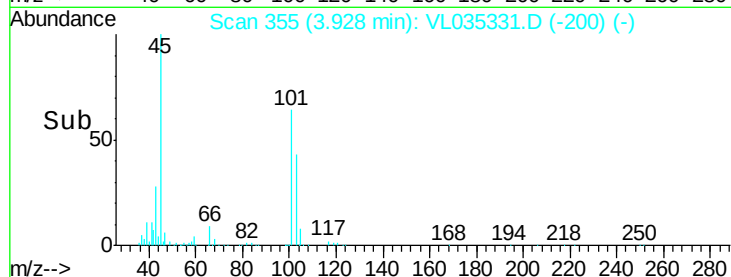
600000

400000

200000

0

Time-->



#20

Methylene Chloride

Concen: 6.345 ppbv

RT: 4.31 min Scan# 475

Delta R.T. 0.00 min

Lab File: VL035331.D

Acq: 4 Aug 2020 2:44

Tgt Ion: 84 Resp: 597882

Ion Ratio Lower Upper

84 100

49 147.1 124.2 186.2

51 46.4 38.6 58.0

86 61.9 51.0 76.4

Abundance Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

Ion 51.10 (50.80 to 51.80): VL0

Ion 86.00 (85.70 to 86.70): VL0

800000

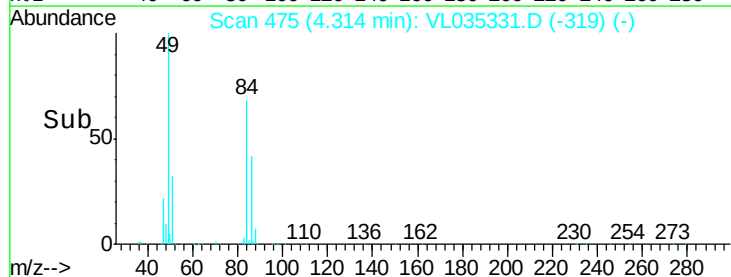
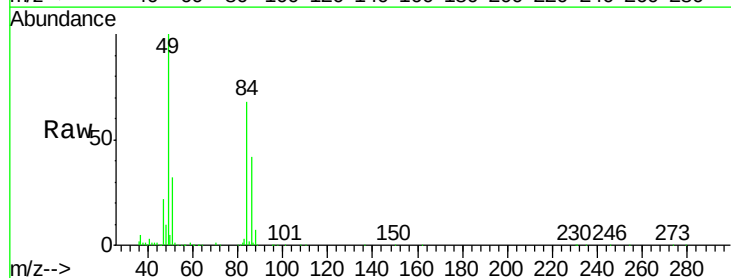
600000

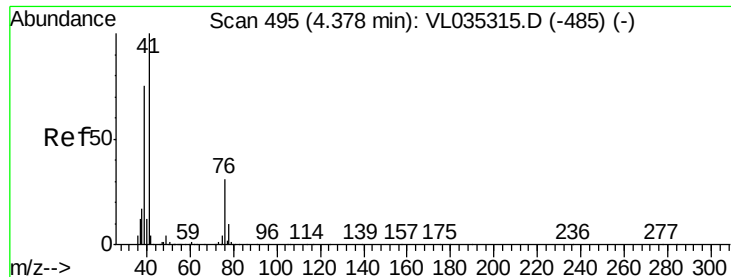
400000

200000

0

Time-->





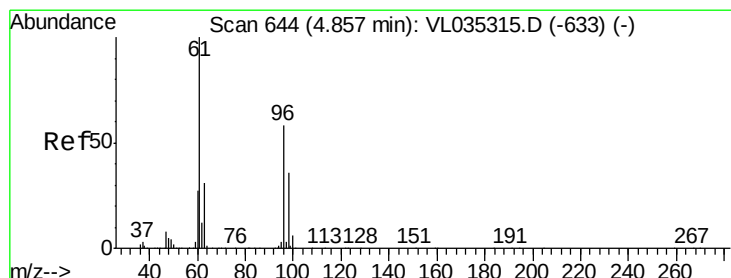
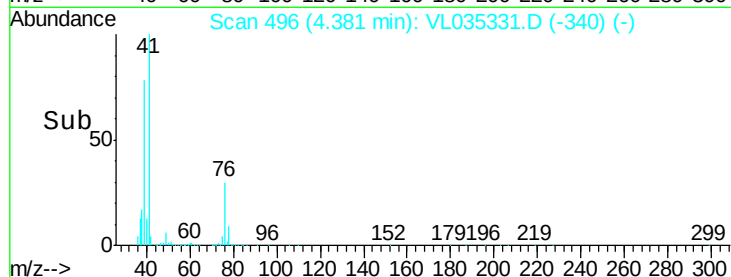
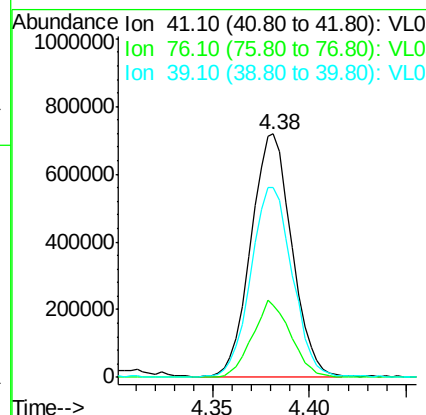
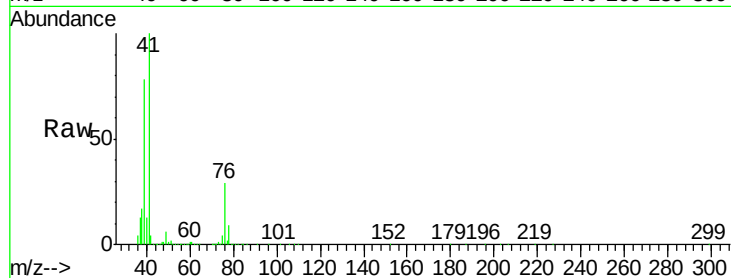
#21
Allvl Chloride
Concen: 9.004 ppbv
RT: 4.38 min Scan# 496
Delta R.T. 0.00 min
Lab File: VL035331.D
Acq: 4 Aug 2020 2:44

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion:	41	Resp:	1051930
Ion	Ratio	Lower	Upper
41	100		
76	29.9	24.4	36.6
39	79.7	61.8	92.6

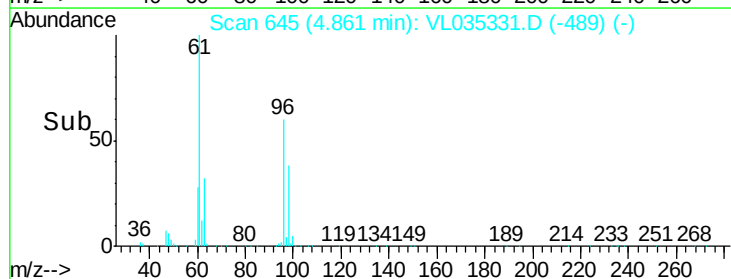
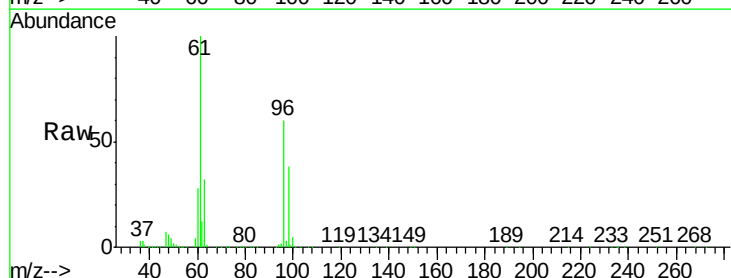
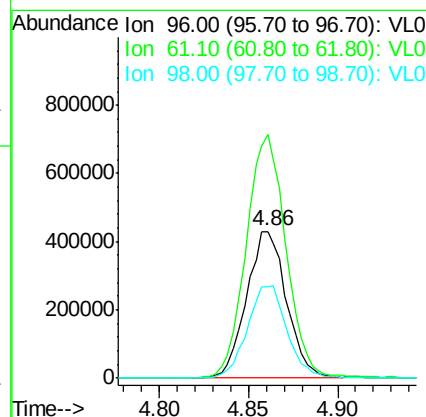
Manual Integrations
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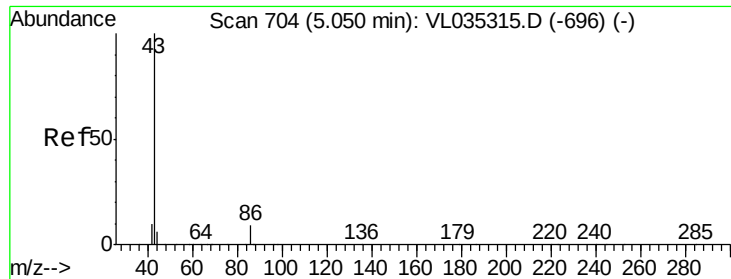
apatel
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#22
trans-1,2-Dichloroethene
Concen: 8.865 ppbv
RT: 4.86 min Scan# 645
Delta R.T. 0.00 min
Lab File: VL035331.D
Acq: 4 Aug 2020 2:44

Tgt Ion:	96	Resp:	672772
Ion	Ratio	Lower	Upper
96	100		
61	165.7	136.8	205.2
98	62.1	49.2	73.8





#23

Vinyl Acetate

Concen: 8.985 ppbv

RT: 5.05 min Scan# 704

Delta R.T. -0.00 min

Lab File: VL035331.D

Acq: 4 Aug 2020 2:44

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 43 Resp: 1836666

Ion Ratio Lower Upper

43 100

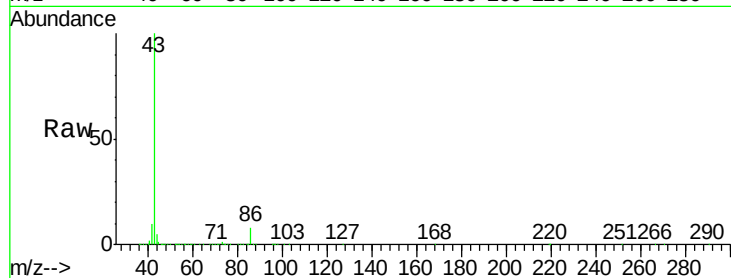
86 8.1 6.5 9.7

42 10.4 8.2 12.4

44 5.1 5.0 7.6

Manual Integrations
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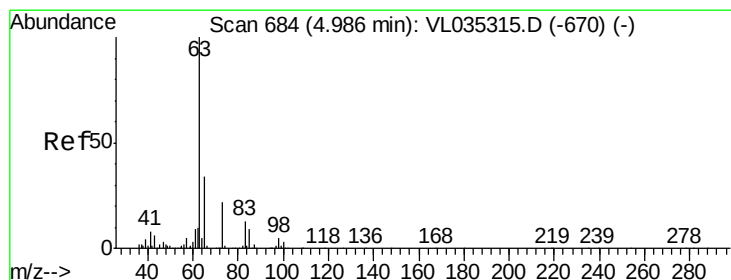
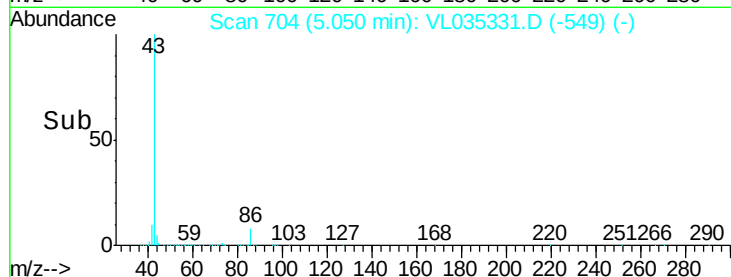
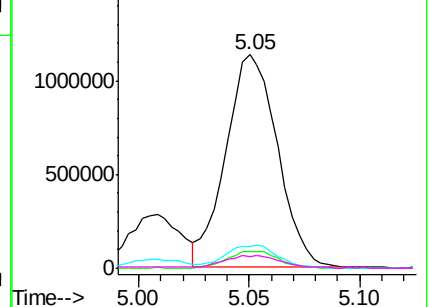


Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 86.10 (85.80 to 86.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

Ion 44.10 (43.80 to 44.80): VL0



#24

1,1-Dichloroethane

Concen: 8.351 ppbv

RT: 4.99 min Scan# 685

Delta R.T. 0.00 min

Lab File: VL035331.D

Acq: 4 Aug 2020 2:44

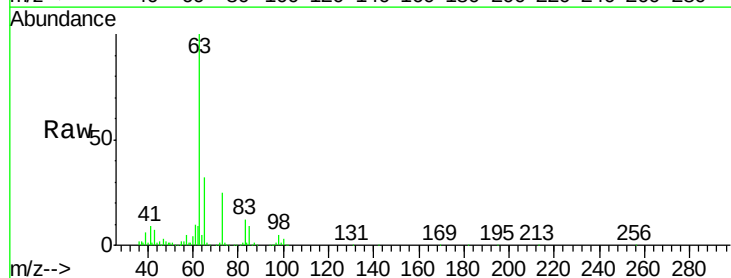
Tgt Ion: 63 Resp: 1588409

Ion Ratio Lower Upper

63 100

98 4.8 2.5 7.5

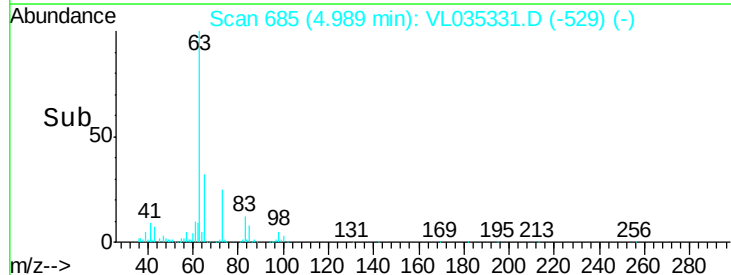
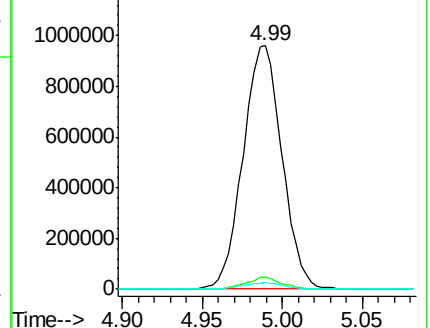
100 2.8 1.5 4.4

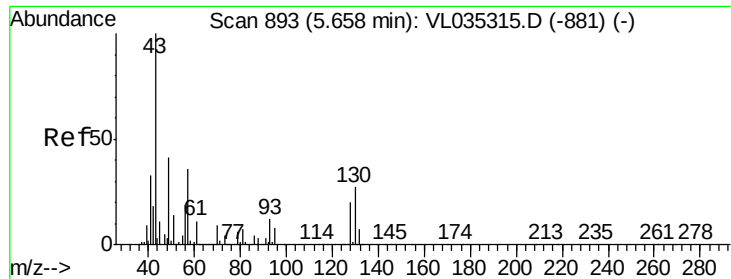


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0





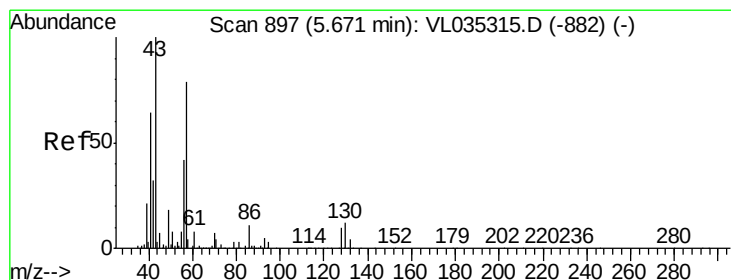
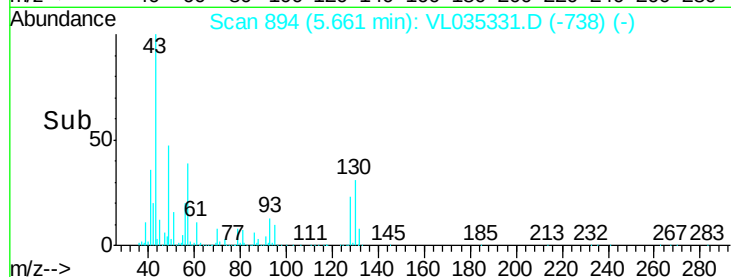
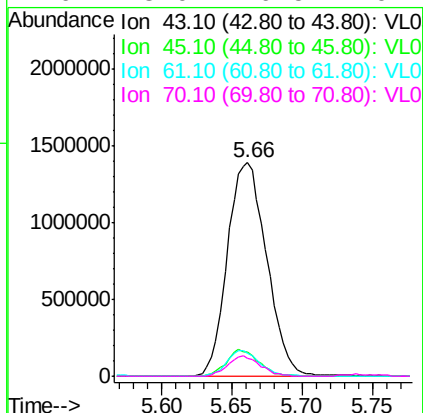
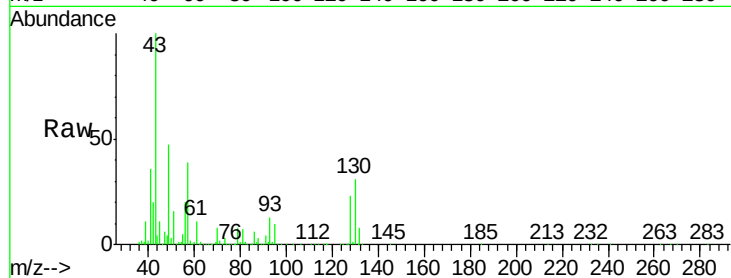
#25
Ethyl Acetate
Concen: 8.669 ppbv
RT: 5.66 min Scan# 894
Delta R.T. 0.00 min
Lab File: VL035331.D
Acq: 4 Aug 2020 2:44

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ion	Ratio	Lower	Upper
43	100			
45	10.5	8.6	12.8	
61	10.4	8.1	12.1	
70	8.0	6.5	9.7	

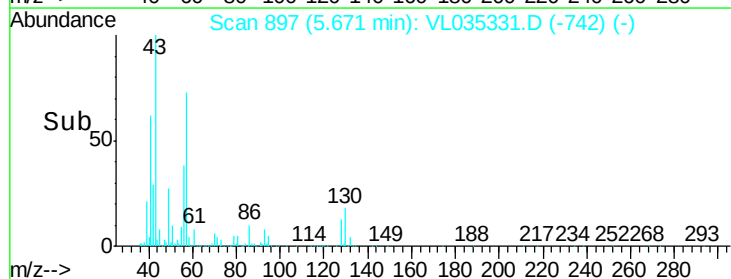
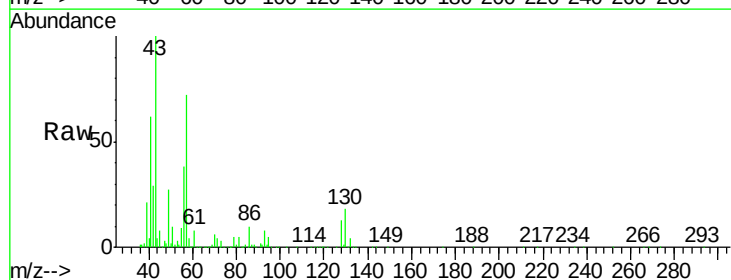
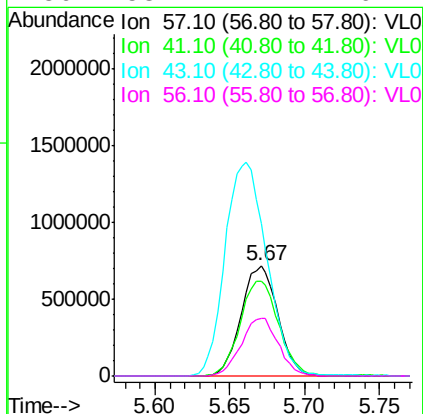
Manual Integrations
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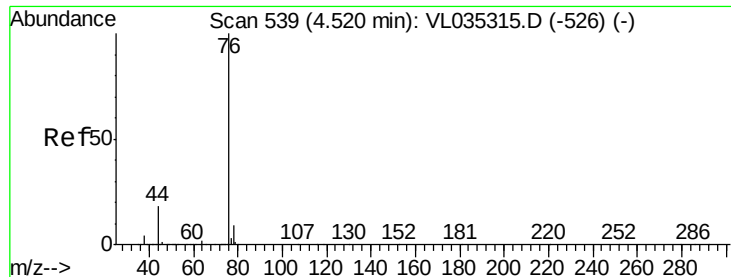
apatel
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#26
Hexane
Concen: 8.753 ppbv
RT: 5.67 min Scan# 897
Delta R.T. -0.00 min
Lab File: VL035331.D
Acq: 4 Aug 2020 2:44

Tgt Ion	Ion	Ratio	Lower	Upper
57	100			
41	91.2	72.1	108.1	
43	222.5	179.0	268.6	
56	53.1	42.7	64.1	





#27

Carbon Disulfide

Concen: 9.614 ppbv

RT: 4.52 min Scan# 539

Delta R.T. -0.00 min

Lab File: VL035331.D

Acq: 4 Aug 2020 2:44

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 76 Resp: 1805946

Ion Ratio Lower Upper

76 100

44 18.5 14.8 22.2

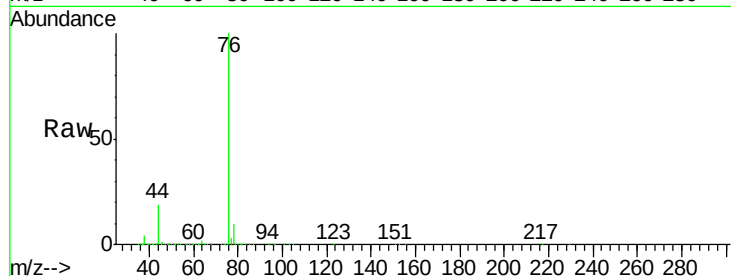
78 9.6 7.8 11.8

Manual Integrations

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apatel

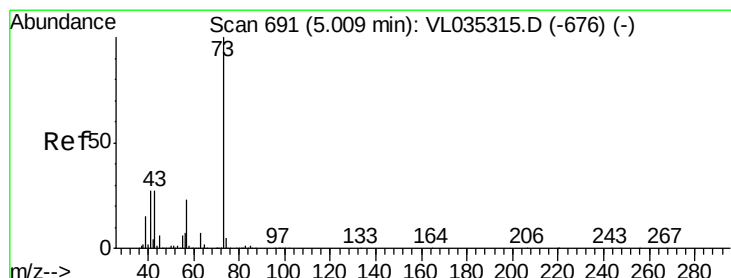
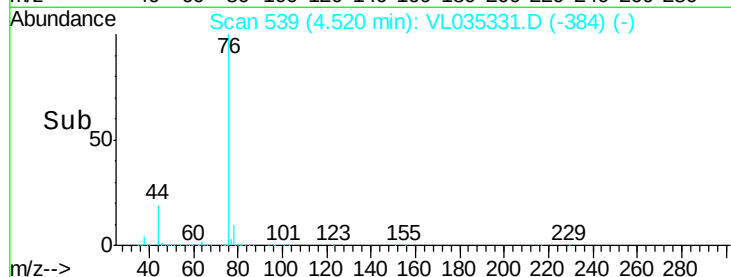
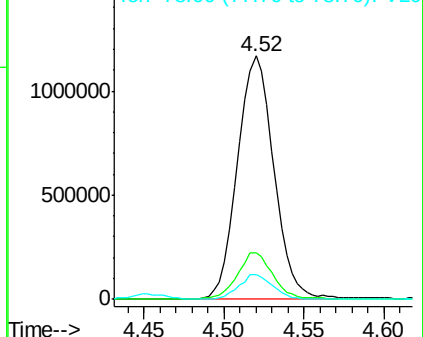
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Abundance Ion 76.00 (75.70 to 76.70): VL0

Ion 44.10 (43.80 to 44.80): VL0

Ion 78.00 (77.70 to 78.70): VL0



#28

Methyl tert-Butyl Ether

Concen: 8.875 ppbv

RT: 5.01 min Scan# 691

Delta R.T. -0.00 min

Lab File: VL035331.D

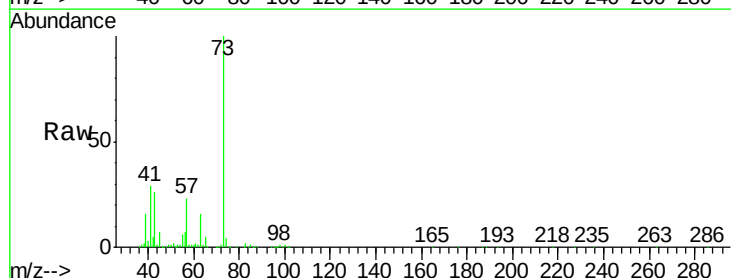
Acq: 4 Aug 2020 2:44

Tgt Ion: 73 Resp: 1861978

Ion Ratio Lower Upper

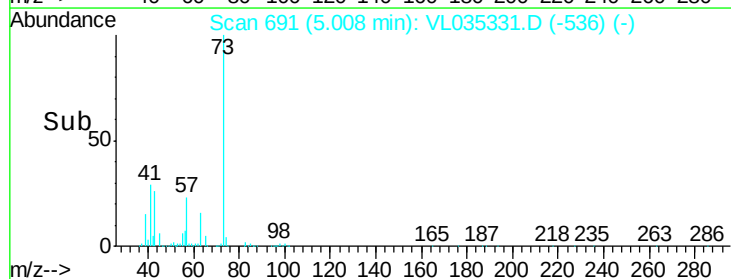
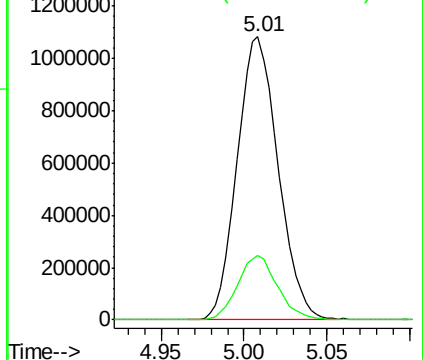
73 100

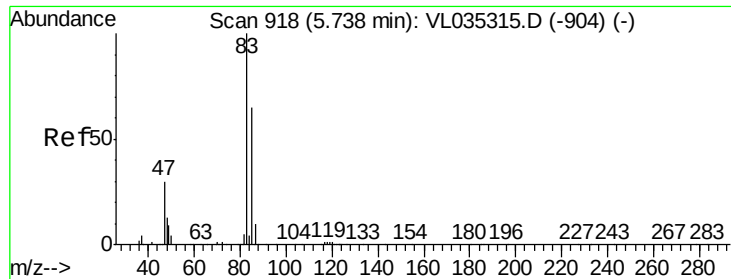
57 22.3 18.2 27.2



Abundance Ion 73.10 (72.80 to 73.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





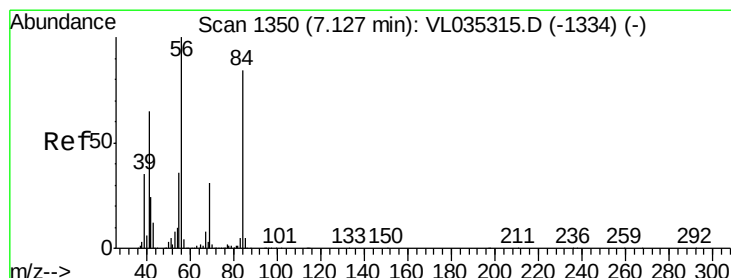
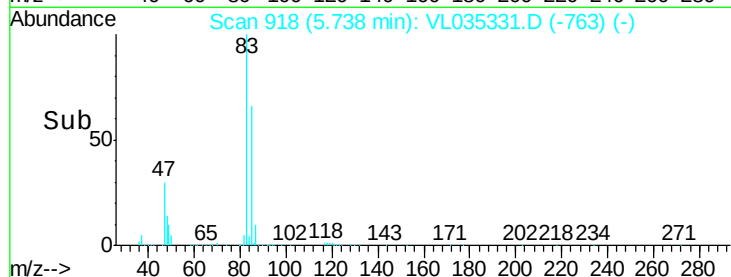
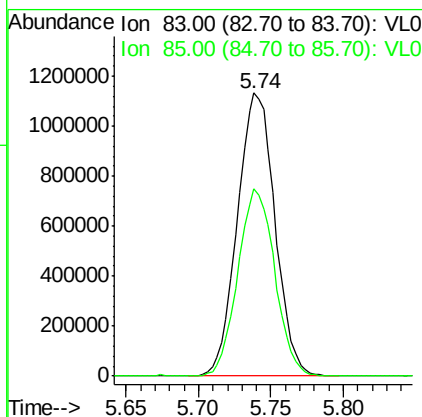
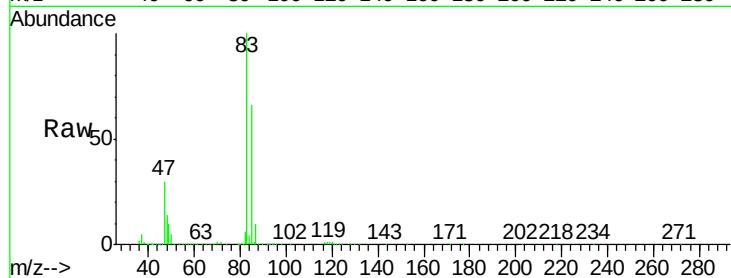
#29
Chloroform
Concen: 8.653 ppbv
RT: 5.74 min Scan# 918
Delta R.T. -0.00 min
Lab File: VL035331.D
Acq: 4 Aug 2020 2:44

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 83 Resp: 2043436
Ion Ratio Lower Upper
83 100
85 66.0 51.9 77.9

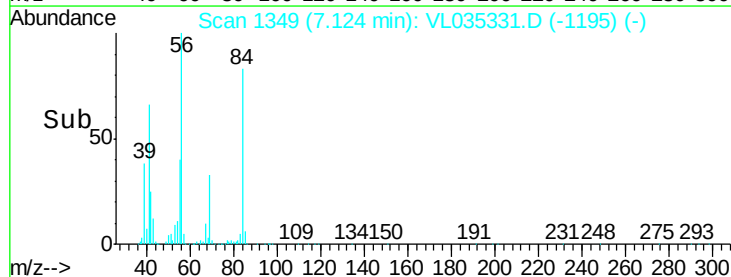
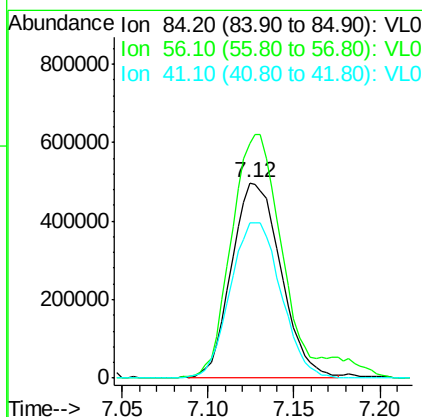
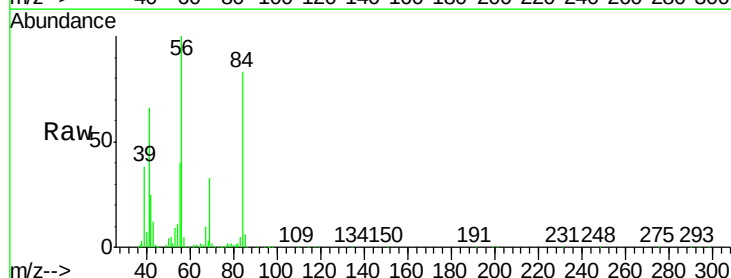
Manual Integrations
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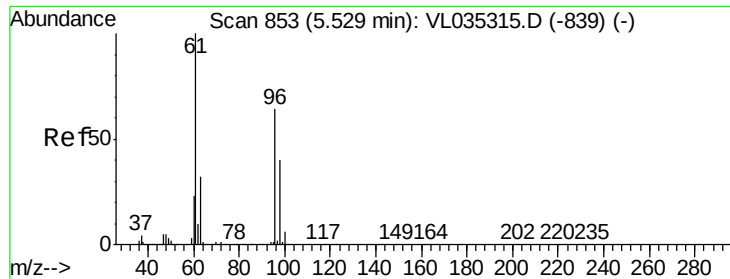
apatel
8/6/2020 2:45:37 PM



#30
Cyclohexane
Concen: 9.400 ppbv
RT: 7.12 min Scan# 1349
Delta R.T. -0.00 min
Lab File: VL035331.D
Acq: 4 Aug 2020 2:44

Tgt Ion: 84 Resp: 984424
Ion Ratio Lower Upper
84 100
56 134.4 103.0 154.6
41 82.5 62.7 94.1





#31

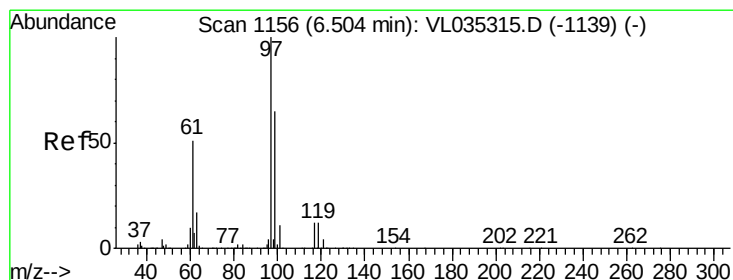
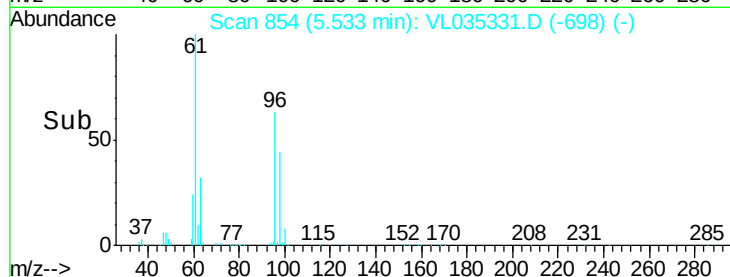
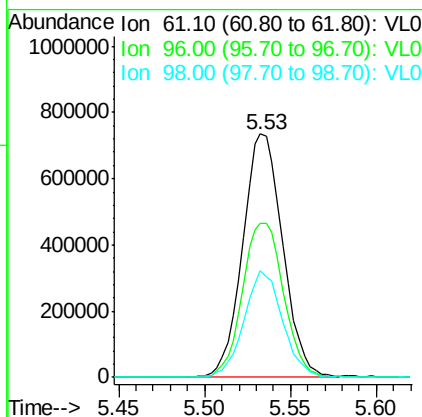
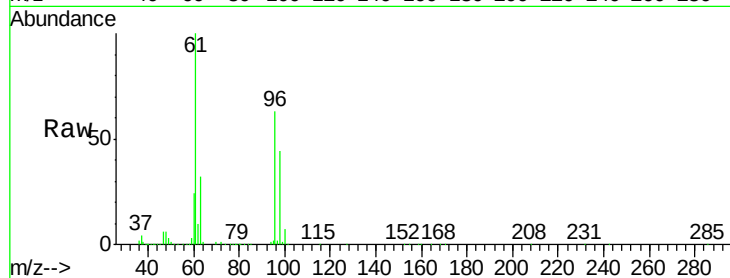
cis-1,2-Dichloroethene
 Concen: 9.248 ppbv
 RT: 5.53 min Scan# 854
 Delta R.T. 0.00 min
 Lab File: VL035331.D
 Acq: 4 Aug 2020 2:44

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
61	100		
96	63.1	51.4	77.2
98	43.9	32.2	48.4

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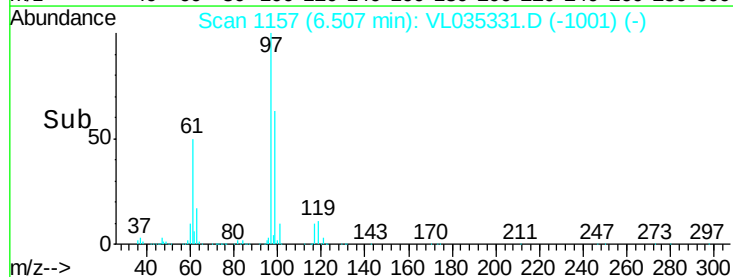
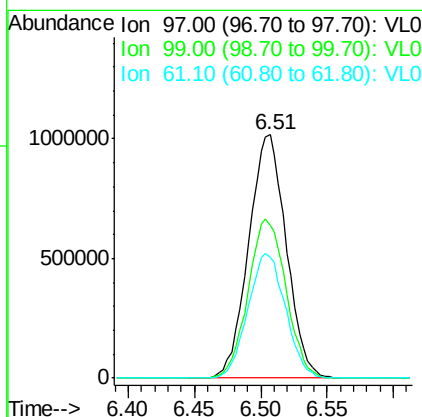
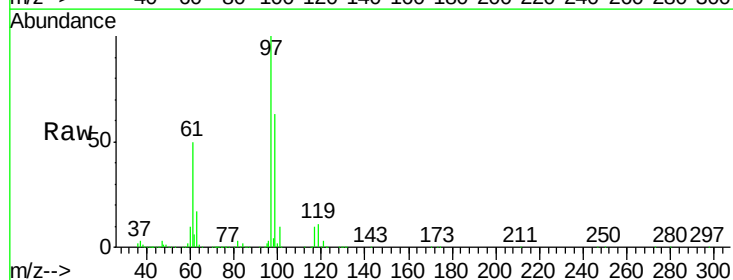
apatel
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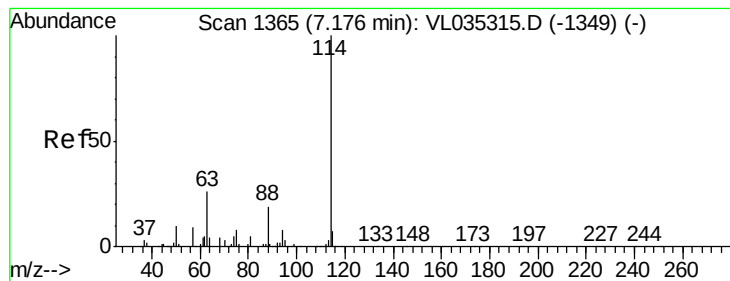


#32

1,1,1-Trichloroethane
 Concen: 8.809 ppbv
 RT: 6.51 min Scan# 1157
 Delta R.T. 0.00 min
 Lab File: VL035331.D
 Acq: 4 Aug 2020 2:44

Tgt Ion	Ratio	Lower	Upper
97	100		
99	66.0	52.2	78.4
61	51.2	40.9	61.3





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.18 min Scan# 1365

Delta R.T. -0.00 min

Lab File: VL035331.D

Acq: 4 Aug 2020 2:44

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:114 Resp: 3433236

Ion Ratio Lower Upper

114 100

63 27.2 21.5 32.3

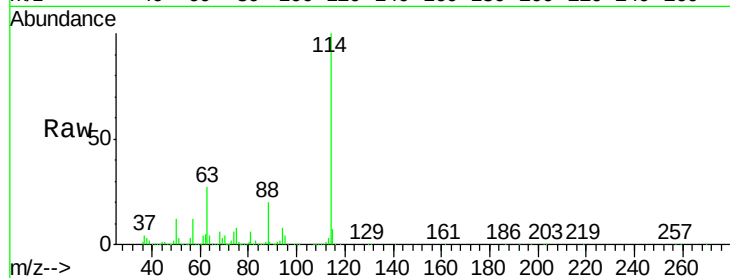
88 19.1 15.3 22.9

Manual Integrations

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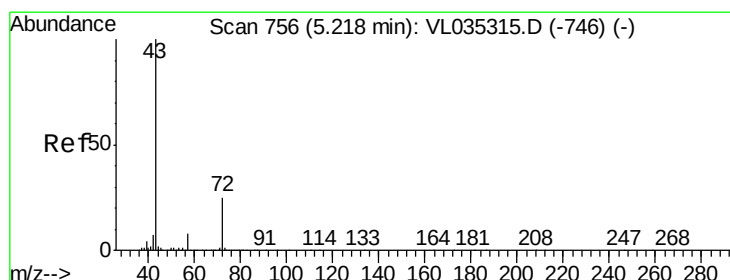
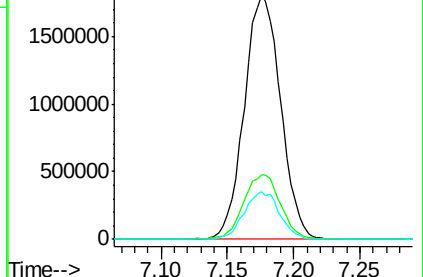
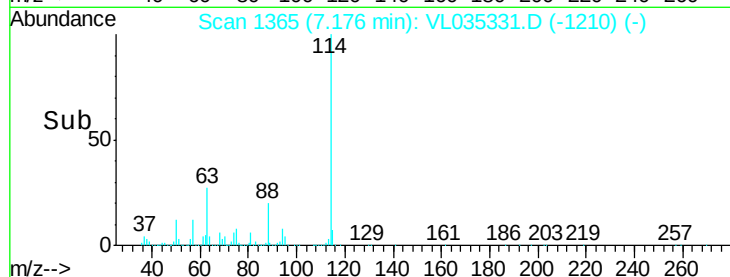
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Abundance Ion 114.10 (113.80 to 114.80): VL0

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0



#34

2-Butanone

Concen: 8.946 ppbv

RT: 5.22 min Scan# 758

Delta R.T. 0.01 min

Lab File: VL035331.D

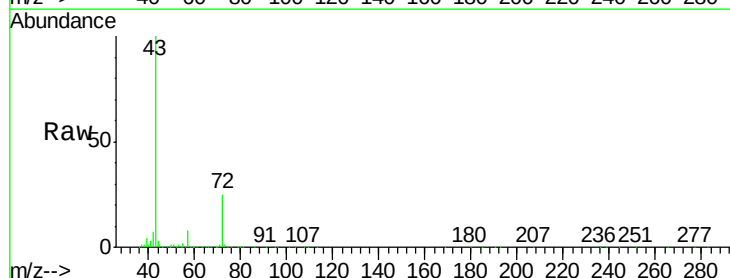
Acq: 4 Aug 2020 2:44

Tgt Ion: 43 Resp: 1617010

Ion Ratio Lower Upper

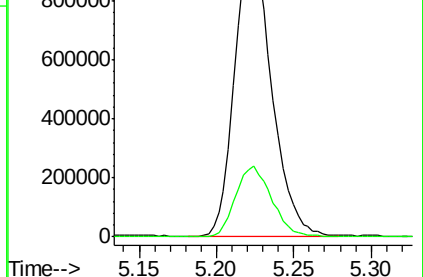
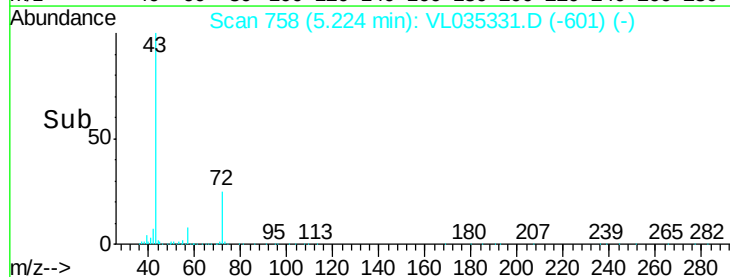
43 100

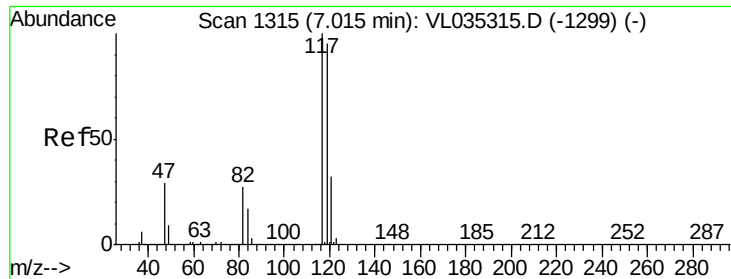
72 24.0 19.2 28.8



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 72.10 (71.80 to 72.80): VL0





#35

Carbon Tetrachloride

Concen: 9.741 ppbv

RT: 7.01 min Scan# 1314

Delta R.T. -0.00 min

Lab File: VL035331.D

Acq: 4 Aug 2020 2:44

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:117 Resp: 2162784

Ion Ratio Lower Upper

117 100

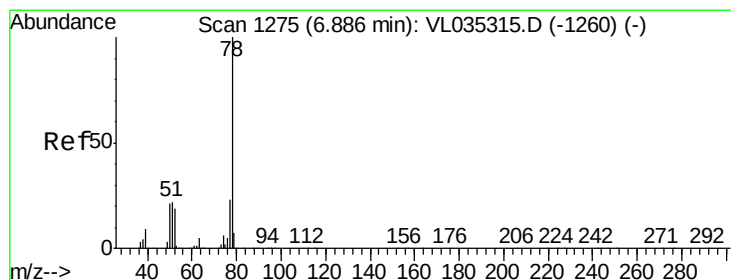
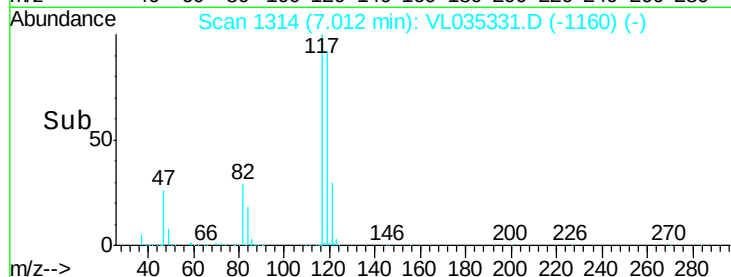
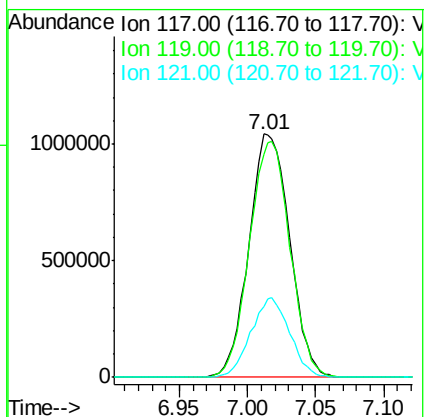
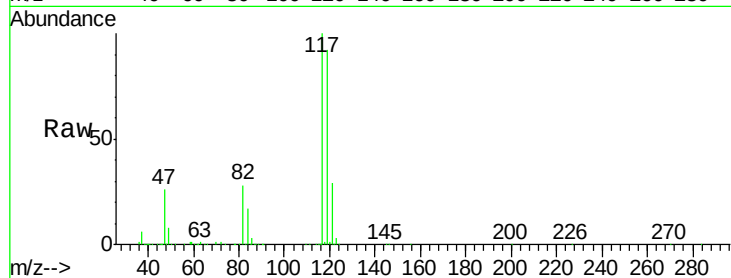
119 91.7 76.1 114.1

121 29.3 25.6 38.4

Manual Integrations
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#36

Benzene

Concen: 9.404 ppbv

RT: 6.89 min Scan# 1276

Delta R.T. 0.00 min

Lab File: VL035331.D

Acq: 4 Aug 2020 2:44

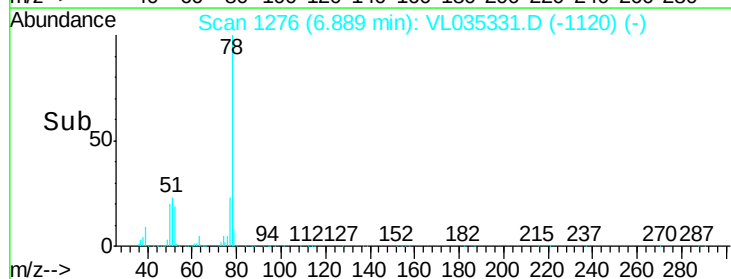
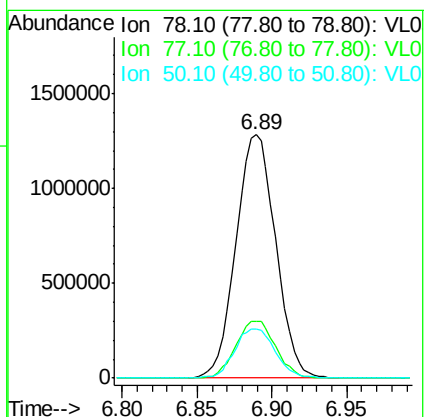
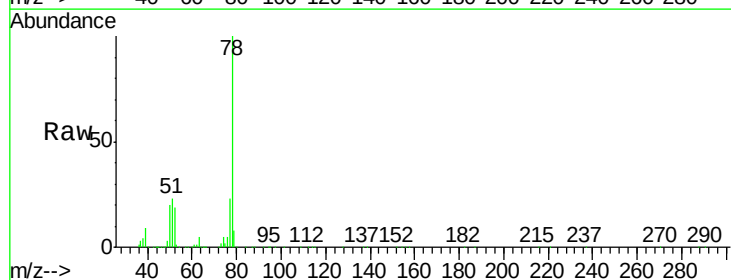
Tgt Ion: 78 Resp: 2366990

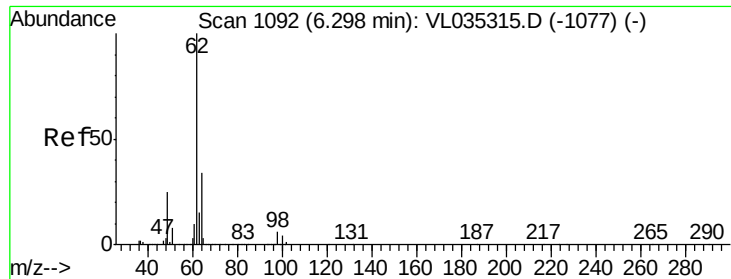
Ion Ratio Lower Upper

78 100

77 23.4 18.4 27.6

50 20.3 16.6 25.0





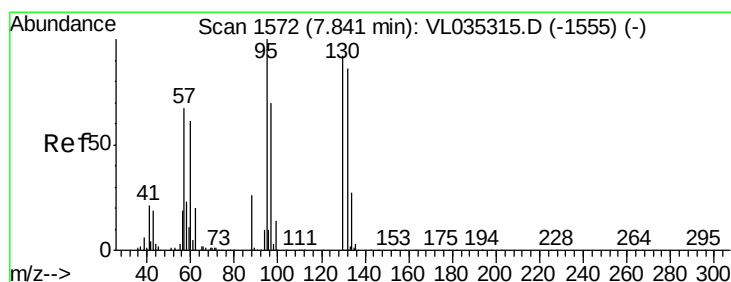
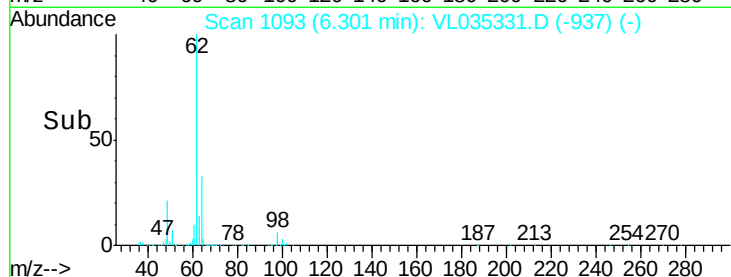
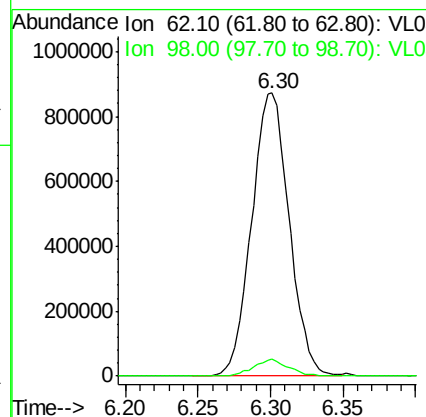
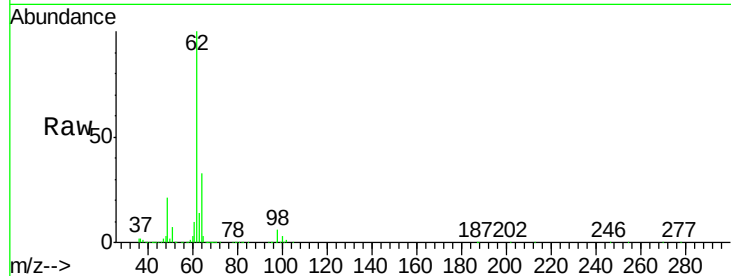
#37
 1,2-Dichloroethane
 Concen: 9.226 ppbv
 RT: 6.30 min Scan# 1093
 Delta R.T. 0.00 min
 Lab File: VL035331.D
 Acq: 4 Aug 2020 2:44

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
62	100		
98	5.5	4.6	7.0

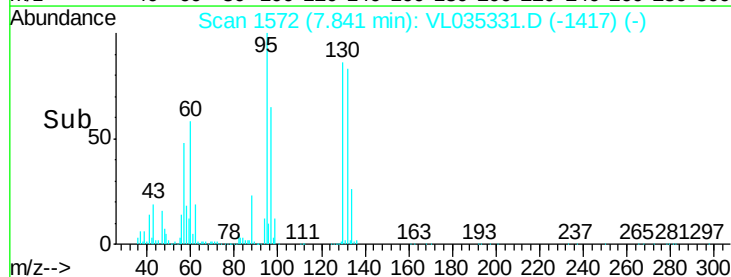
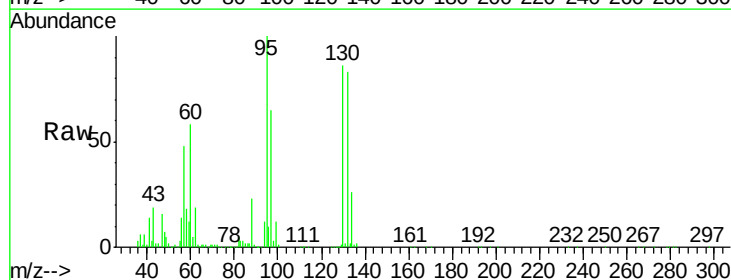
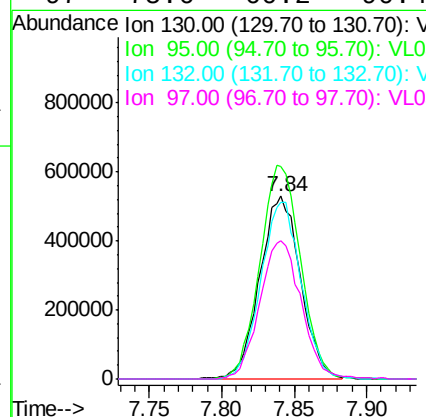
Manual Integrations
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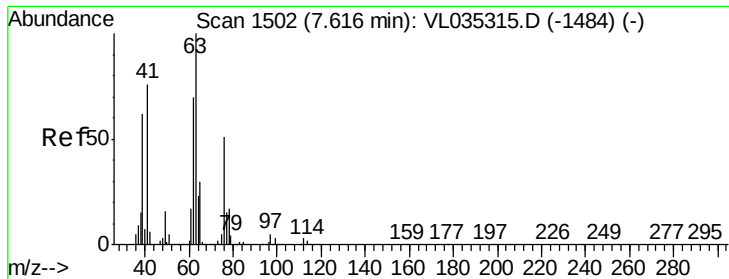
apatel
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#38
 Trichloroethene
 Concen: 11.139 ppbv
 RT: 7.84 min Scan# 1572
 Delta R.T. -0.00 min
 Lab File: VL035331.D
 Acq: 4 Aug 2020 2:44

Tgt Ion	Ratio	Lower	Upper
130	100		
95	116.3	86.3	129.5
132	96.6	74.2	111.2
97	75.6	60.2	90.4





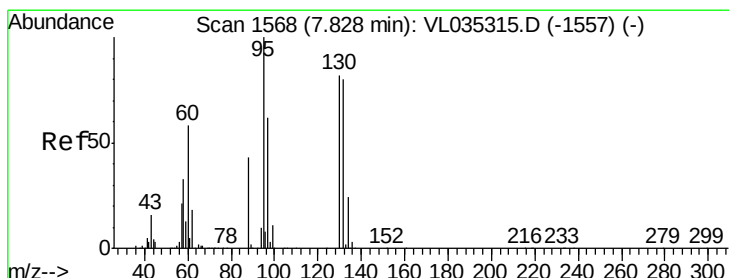
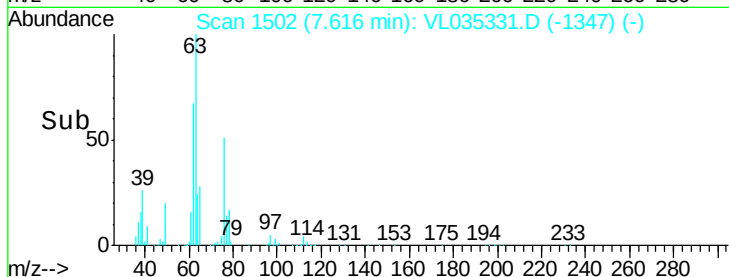
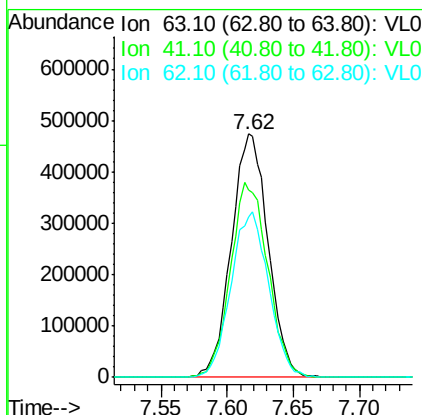
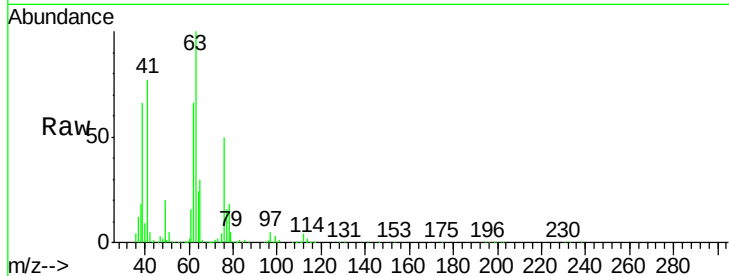
#39
 1,2-Dichloropropane
 Concen: 9.194 ppbv
 RT: 7.62 min Scan# 1502
 Delta R.T. -0.00 min
 Lab File: VL035331.D
 Acq: 4 Aug 2020 2:44

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
63	100		
41	76.8	61.0	91.4
62	65.7	55.8	83.8

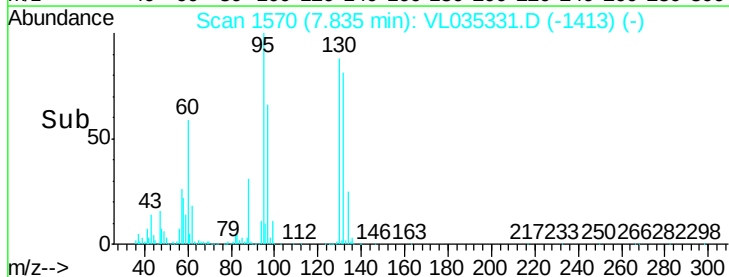
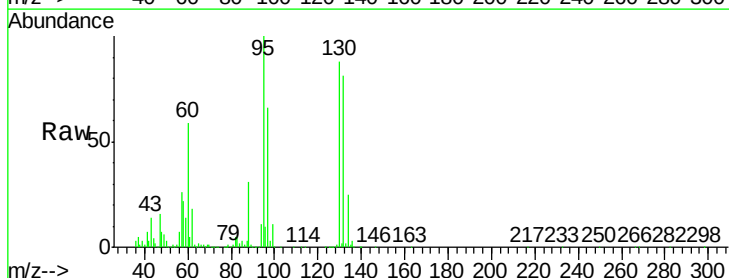
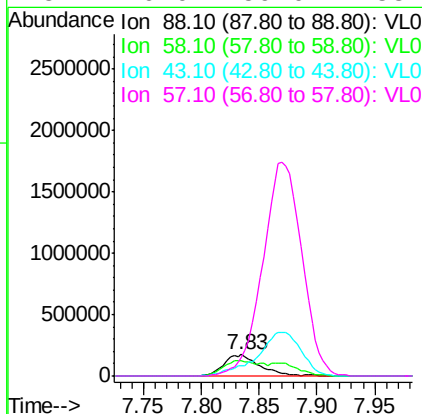
Manual Integrations
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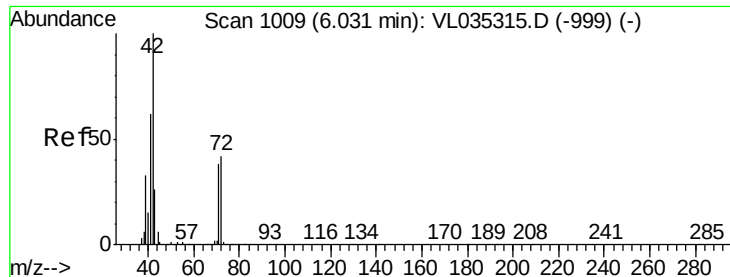
apatel
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#40
 1,4-Dioxane
 Concen: 8.891 ppbv m
 RT: 7.83 min Scan# 1570
 Delta R.T. 0.01 min
 Lab File: VL035331.D
 Acq: 4 Aug 2020 2:44

Tgt Ion	Ratio	Lower	Upper
88	100		
58	123.1	95.4	143.2
43	0.0	172.7	259.1#
57	0.0	759.0	1138.4#





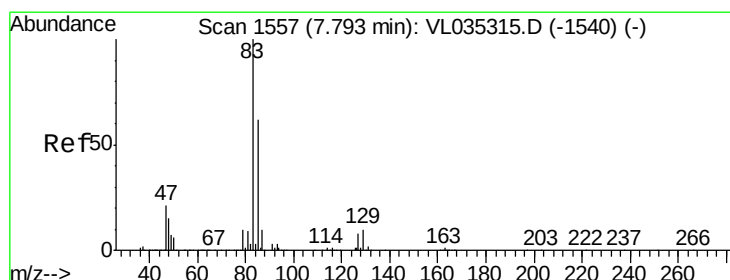
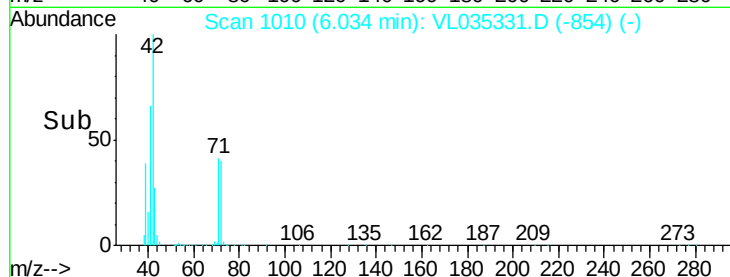
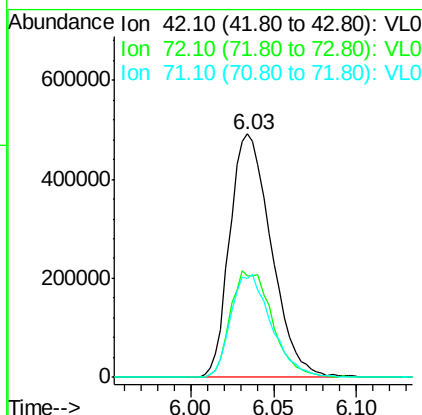
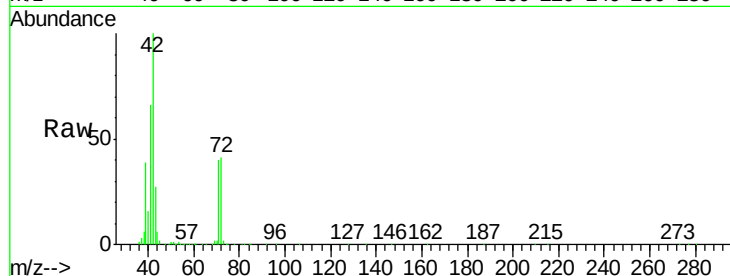
#41
Tetrahydrofuran
Concen: 9.586 ppbv
RT: 6.03 min Scan# 1010
Delta R.T. 0.00 min
Lab File: VL035331.D
Acq: 4 Aug 2020 2:44

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.9	33.8	50.8
71	41.5	32.7	49.1

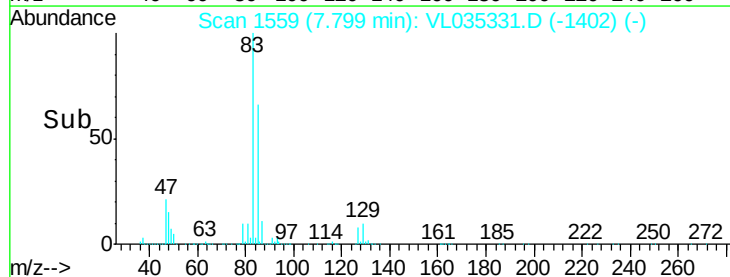
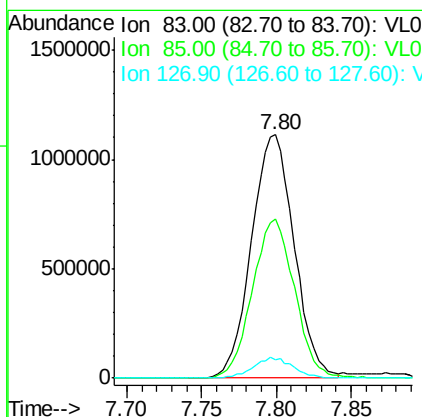
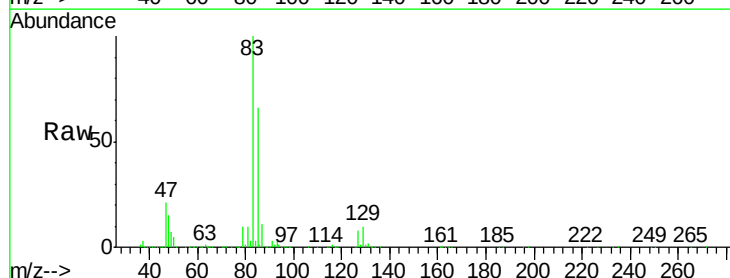
Manual Integrations
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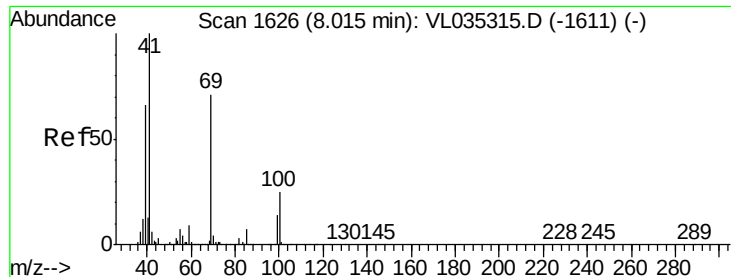
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#42
Bromodichloromethane
Concen: 9.479 ppbv
RT: 7.80 min Scan# 1559
Delta R.T. 0.01 min
Lab File: VL035331.D
Acq: 4 Aug 2020 2:44

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.6	49.9	74.9
127	7.6	6.6	10.0





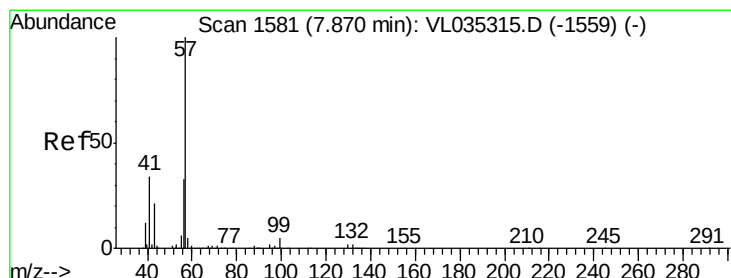
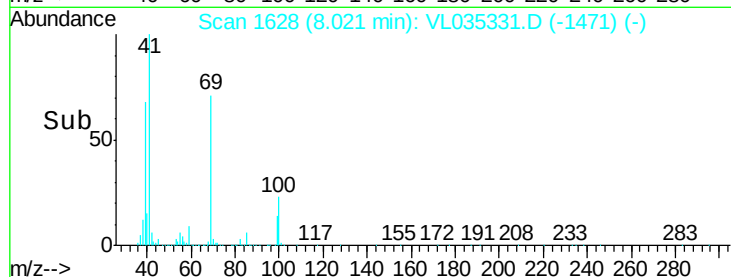
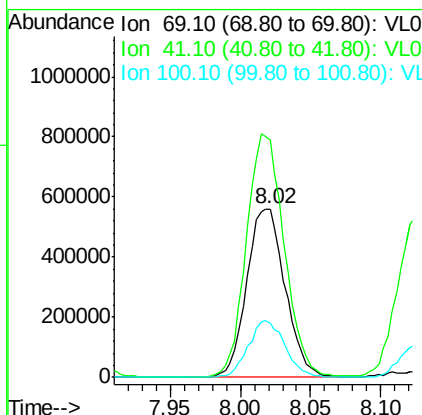
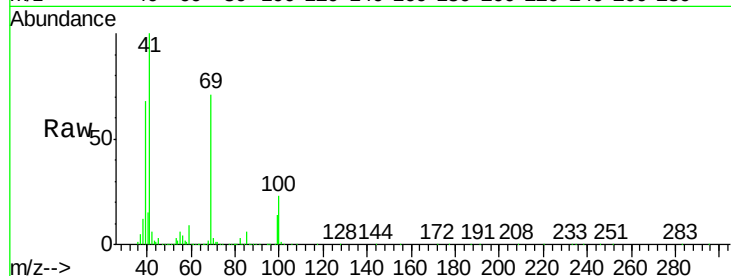
#43
Methyl Methacrylate
Concen: 10.158 ppbv
RT: 8.02 min Scan# 1628
Delta R.T. 0.01 min
Lab File: VL035331.D
Acq: 4 Aug 2020 2:44

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ion	Ratio	Lower	Upper
69	100			
41	142.3	110.9	166.3	
100	32.1	26.0	39.0	

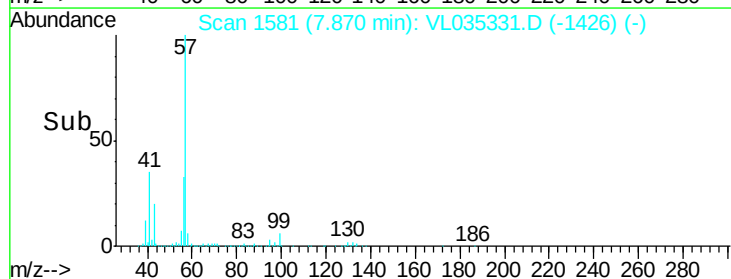
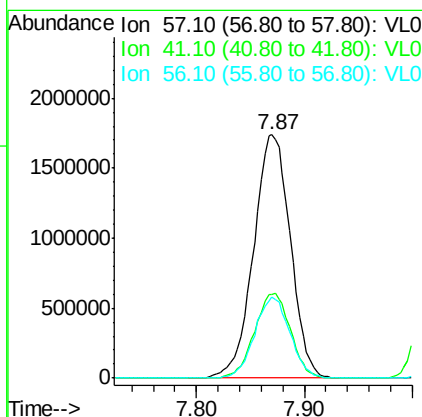
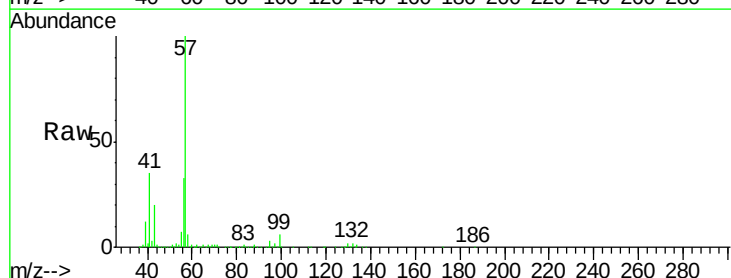
Manual Integrations
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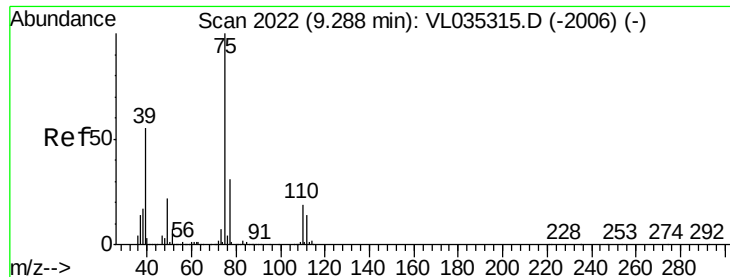
apatel
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#44
2,2,4-Trimethylpentane
Concen: 9.547 ppbv
RT: 7.87 min Scan# 1581
Delta R.T. -0.00 min
Lab File: VL035331.D
Acq: 4 Aug 2020 2:44

Tgt Ion	Ion	Ratio	Lower	Upper
57	100			
41	34.1	26.7	40.1	
56	31.9	25.4	38.0	





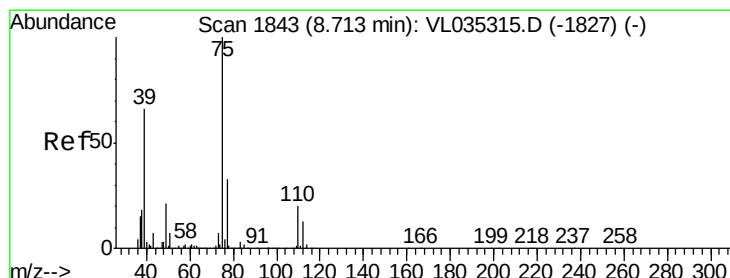
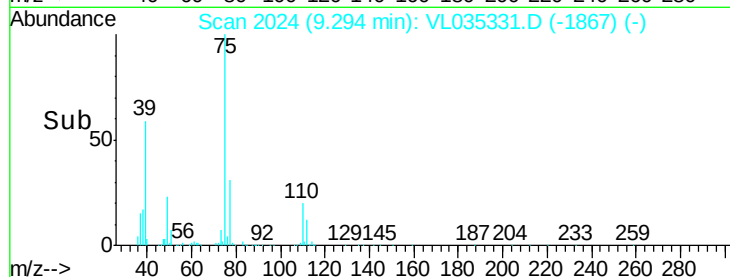
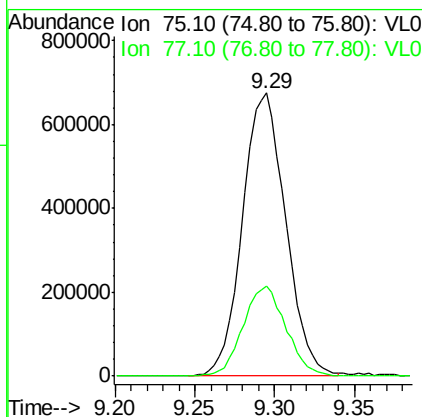
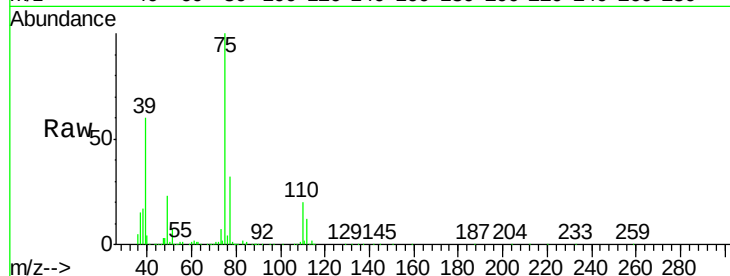
#45
t-1,3-Dichloropropene
Concen: 11.077 ppbv
RT: 9.29 min Scan# 2024
Delta R.T. 0.01 min
Lab File: VL035331.D
Acq: 4 Aug 2020 2:44

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 75 Resp: 1243407
Ion Ratio Lower Upper
75 100
77 31.7 24.6 37.0

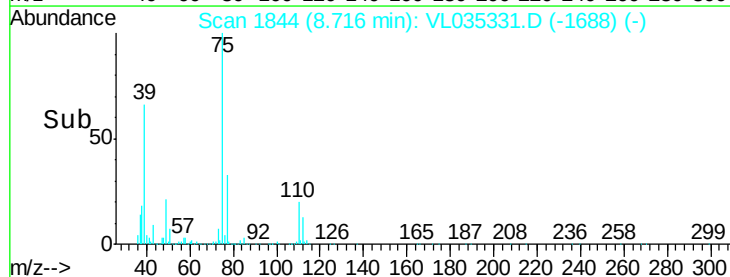
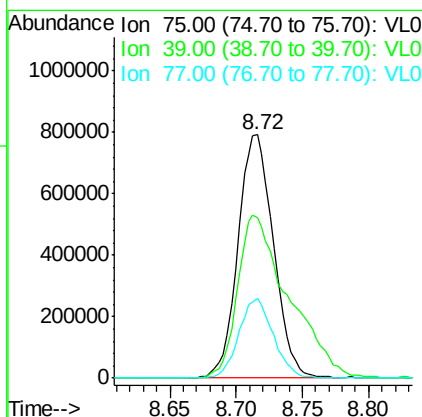
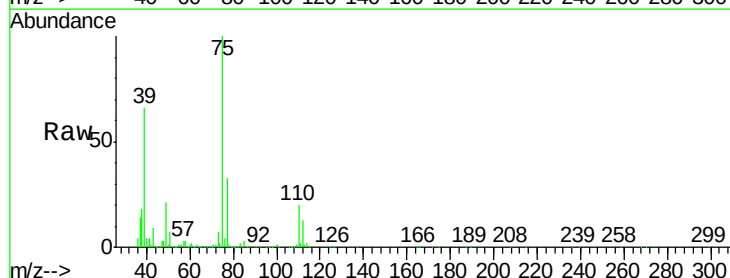
Manual Integrations
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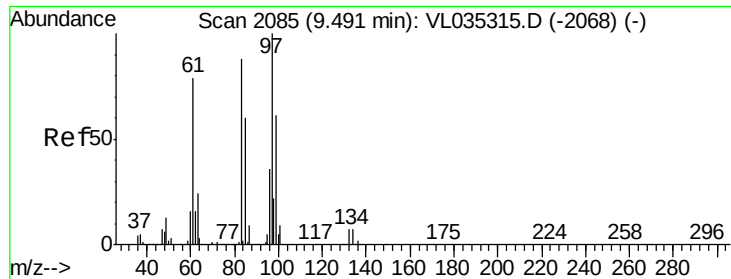
apatel
8/6/2020 2:45:37 PM



#46
cis-1,3-Dichloropropene
Concen: 10.947 ppbv
RT: 8.72 min Scan# 1844
Delta R.T. 0.00 min
Lab File: VL035331.D
Acq: 4 Aug 2020 2:44

Tgt Ion: 75 Resp: 1471194
Ion Ratio Lower Upper
75 100
39 65.8 52.6 79.0
77 32.6 26.5 39.7





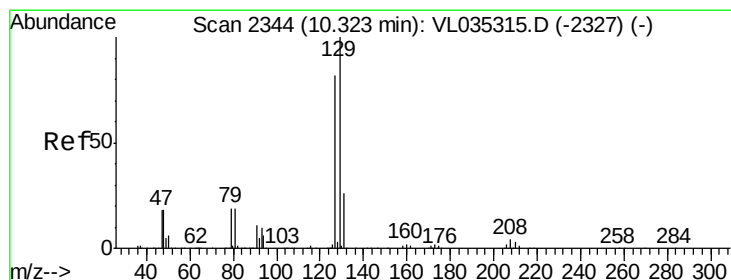
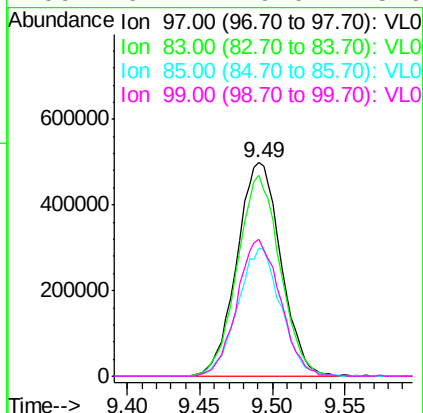
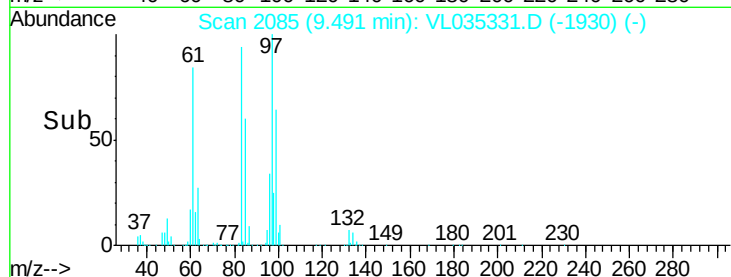
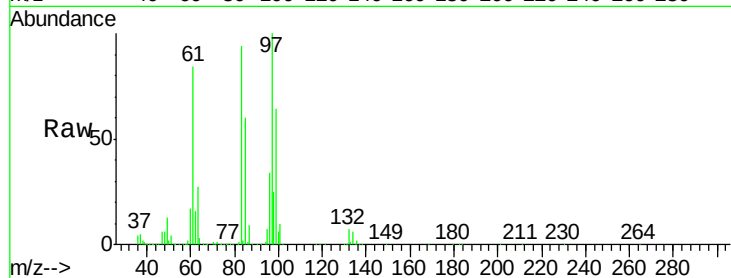
#47
 1,1,2-Trichloroethane
 Concen: 9.142 ppbv
 RT: 9.49 min Scan# 2085
 Delta R.T. -0.00 min
 Lab File: VL035331.D
 Acq: 4 Aug 2020 2:44

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ion	Ratio	Lower	Upper
97	100			
83	93.8	70.6	105.8	
85	59.6	47.8	71.8	
99	64.1	49.0	73.6	

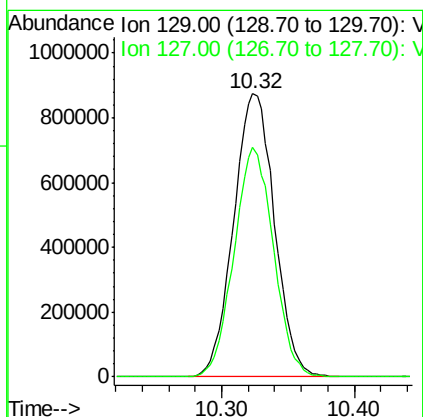
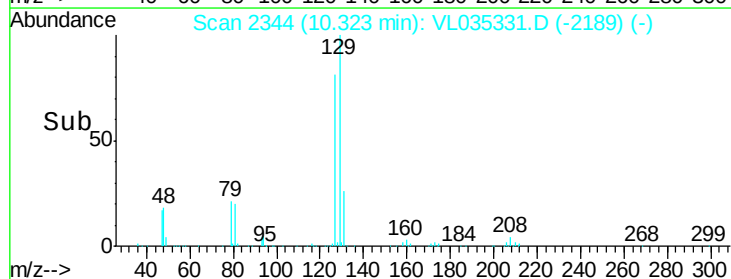
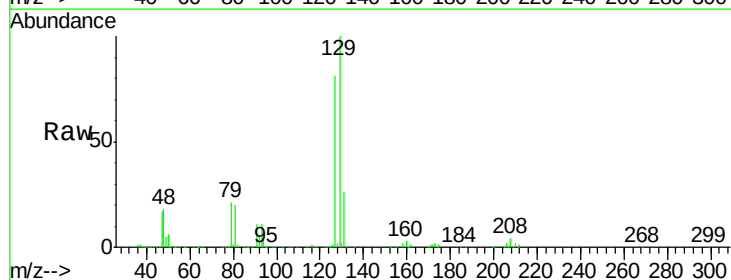
Manual Integrations
 APPROVED

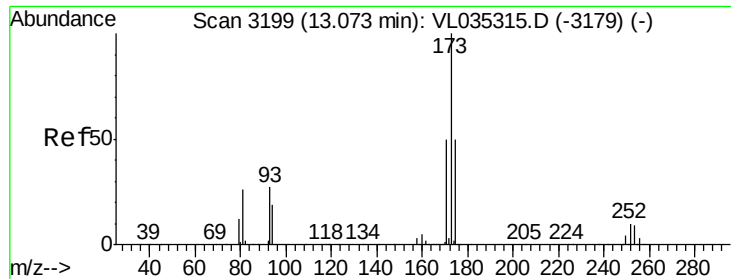
apatel
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#48
 Dibromochloromethane
 Concen: 9.999 ppbv
 RT: 10.32 min Scan# 2344
 Delta R.T. -0.00 min
 Lab File: VL035331.D
 Acq: 4 Aug 2020 2:44

Tgt Ion	Ion	Ratio	Lower	Upper
129	100			
127	78.5	39.0	117.0	





#49

Bromoform

Concen: 10.640 ppbv

RT: 13.07 min Scan# 3198

Delta R.T. -0.00 min

Lab File: VL035331.D

Acq: 4 Aug 2020 2:44

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:173 Resp: 1736127

Ion Ratio Lower Upper

173 100

175 49.4 39.8 59.6

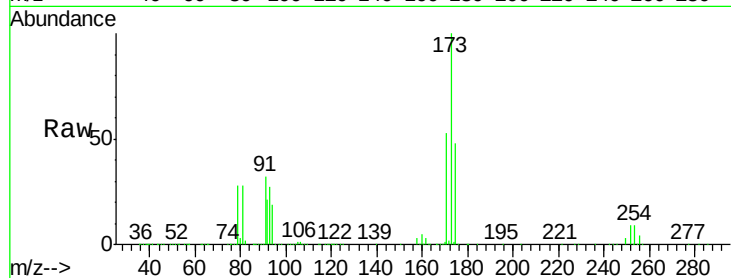
171 52.4 42.0 63.0

Manual Integrations

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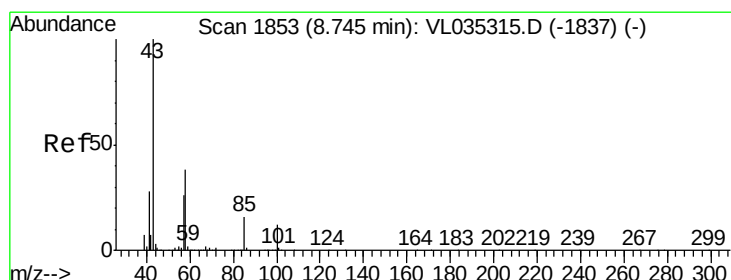
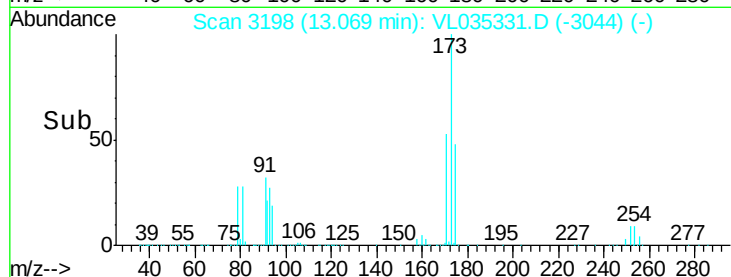
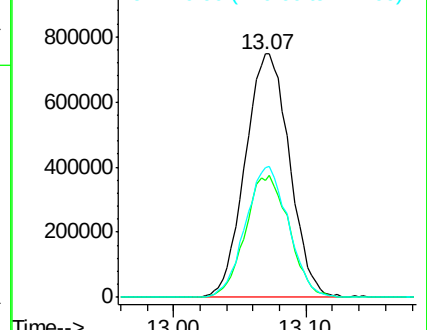
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Abundance Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 170.90 (170.60 to 171.60): V



#50

4-Methyl-2-Pentanone

Concen: 9.890 ppbv

RT: 8.74 min Scan# 1853

Delta R.T. -0.00 min

Lab File: VL035331.D

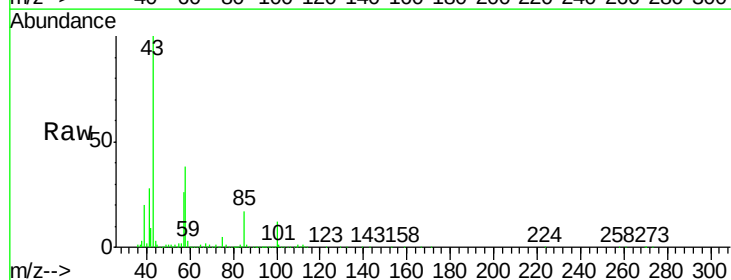
Acq: 4 Aug 2020 2:44

Tgt Ion: 43 Resp: 2524780

Ion Ratio Lower Upper

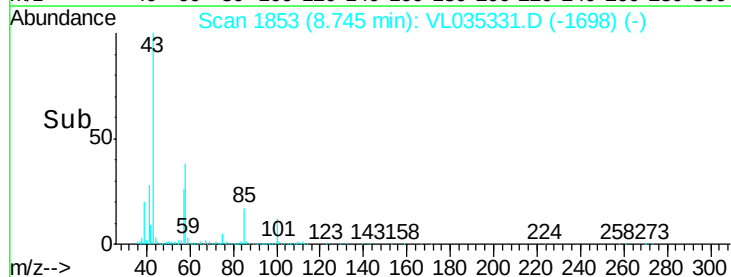
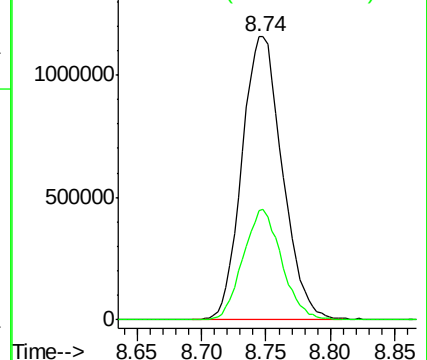
43 100

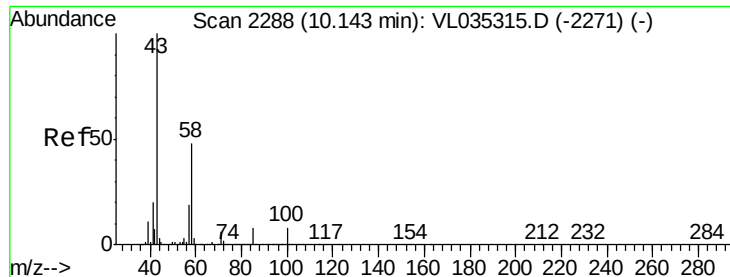
58 37.4 29.8 44.6



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0





#51

2-Hexanone

Concen: 10.342 ppbv

RT: 10.14 min Scan# 2288

Delta R.T. -0.00 min

Lab File: VL035331.D

Acq: 4 Aug 2020 2:44

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 43 Resp: 2042829

Ion Ratio Lower Upper

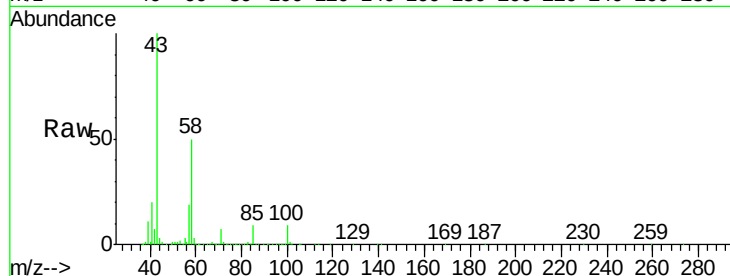
43 100

58 48.7 39.8 59.6

98 0.5 0.3 0.5#

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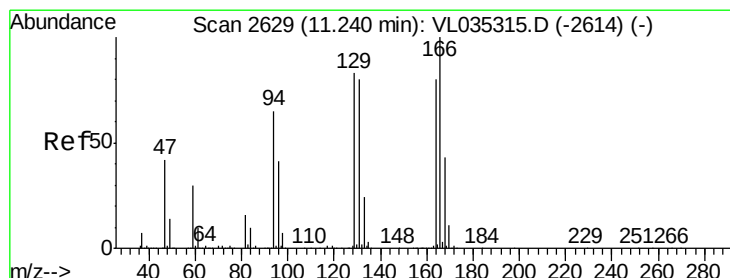
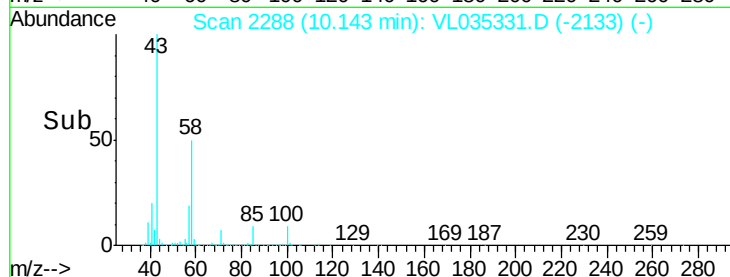
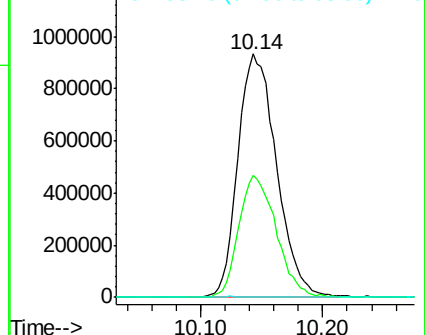


Abundance

Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

Ion 98.20 (97.90 to 98.90): VL0



#52

Tetrachloroethene

Concen: 10.223 ppbv

RT: 11.25 min Scan# 2631

Delta R.T. 0.01 min

Lab File: VL035331.D

Acq: 4 Aug 2020 2:44

Tgt Ion: 164 Resp: 906491

Ion Ratio Lower Upper

164 100

166 128.5 100.2 150.2

129 102.5 82.7 124.1

131 98.3 80.2 120.4

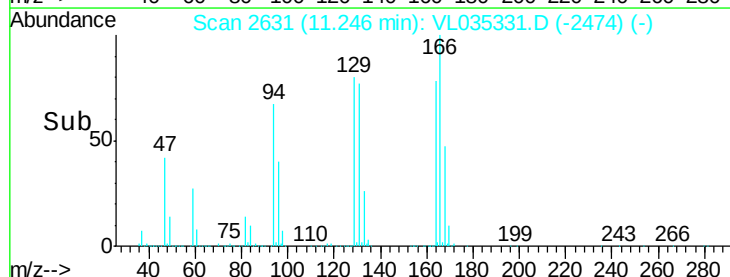
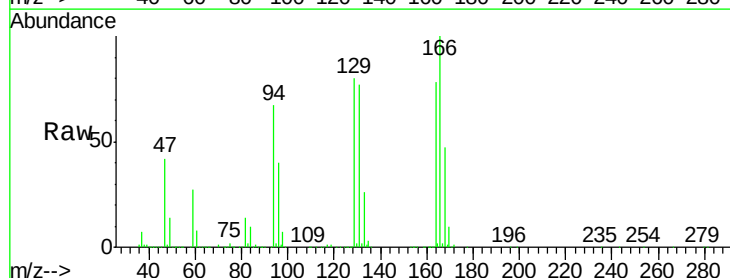
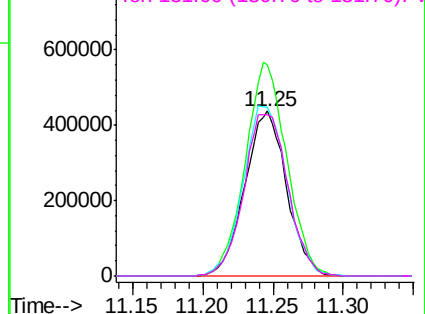
Abundance

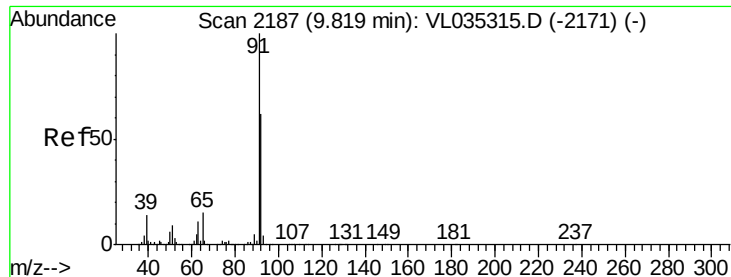
Ion 163.90 (163.60 to 164.60): V

Ion 165.90 (165.60 to 166.60): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V





#53

Toluene

Concen: 10.707 ppbv

RT: 9.82 min Scan# 2188

Delta R.T. 0.00 min

Lab File: VL035331.D

Acq: 4 Aug 2020 2:44

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 91 Resp: 2834111

Ion Ratio Lower Upper

91 100

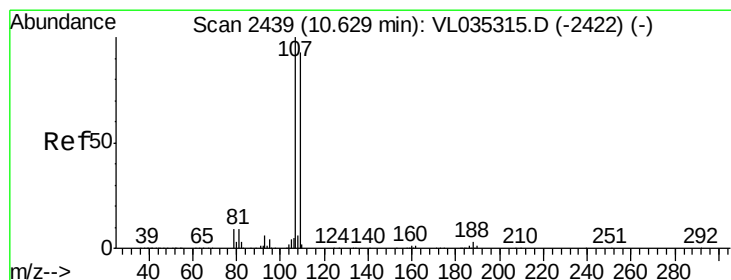
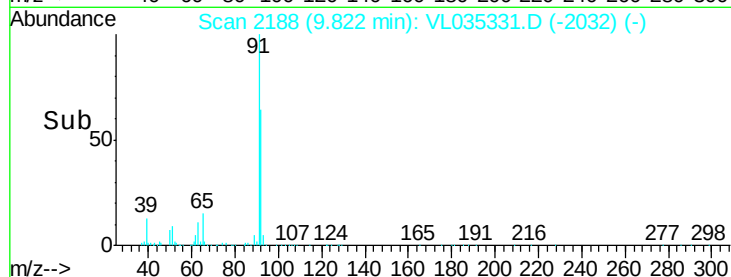
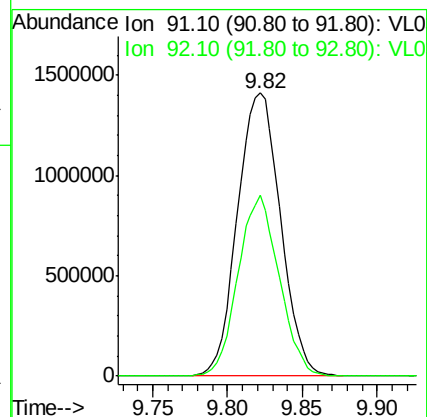
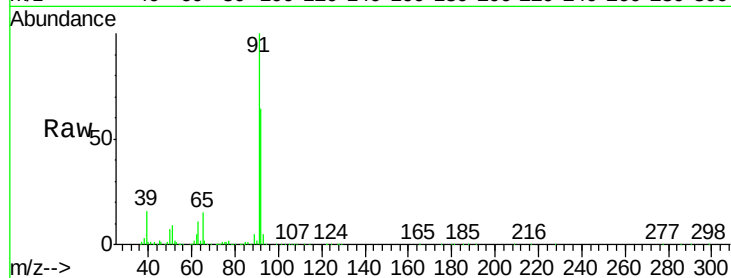
92 60.9 48.7 73.1

Manual Integrations

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#54

1,2-Dibromoethane

Concen: 9.625 ppbv

RT: 10.63 min Scan# 2440

Delta R.T. 0.00 min

Lab File: VL035331.D

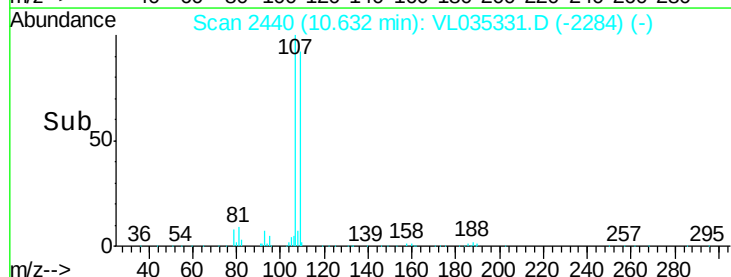
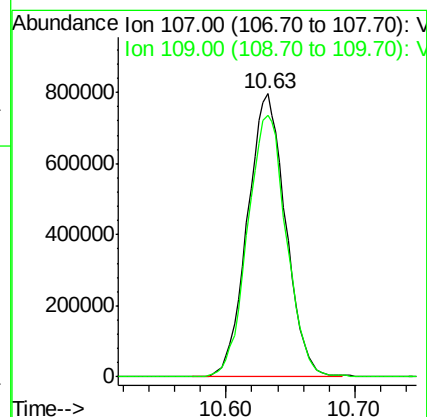
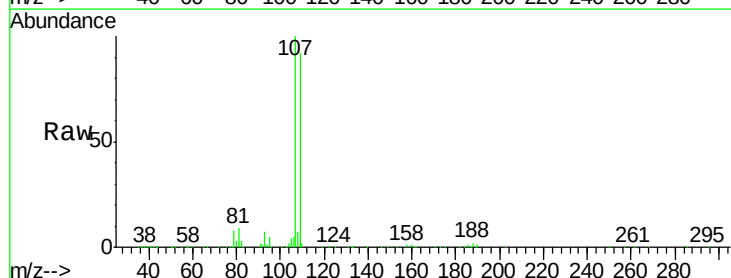
Acq: 4 Aug 2020 2:44

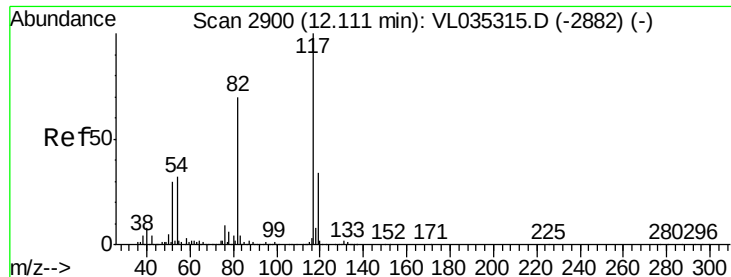
Tgt Ion: 107 Resp: 1640401

Ion Ratio Lower Upper

107 100

109 92.3 74.4 111.6





#55

Chlorobenzene-d5

Concen: 10.000 ppbv m

RT: 12.11 min Scan# 2899

Delta R.T. -0.00 min

Lab File: VL035331.D

Acq: 4 Aug 2020 2:44

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:117 Resp: 3483870

Ion Ratio Lower Upper

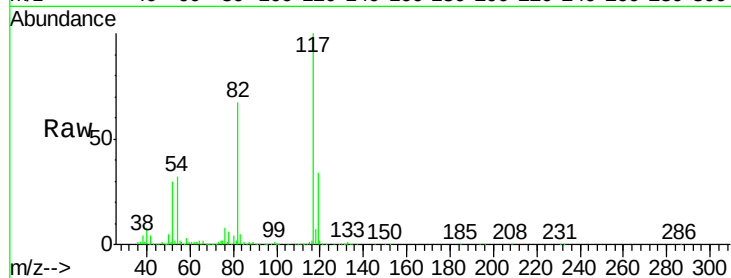
117 100

82 65.4 50.6 76.0

119 30.3 24.1 36.1

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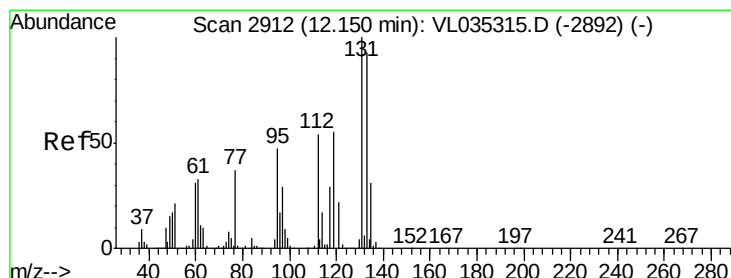
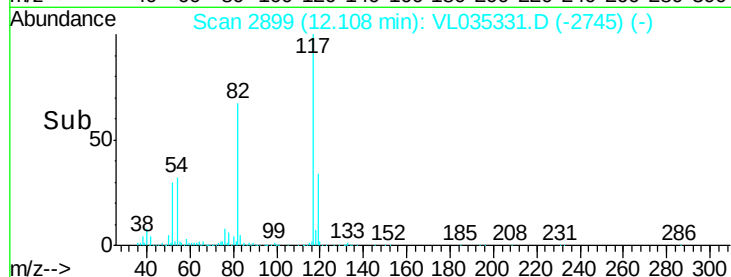
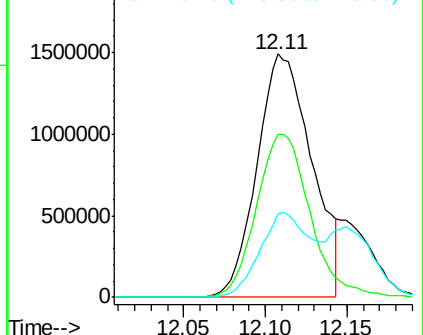
apatel
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Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V



#56

1,1,1,2-Tetrachloroethane

Concen: 8.847 ppbv

RT: 12.15 min Scan# 2912

Delta R.T. -0.00 min

Lab File: VL035331.D

Acq: 4 Aug 2020 2:44

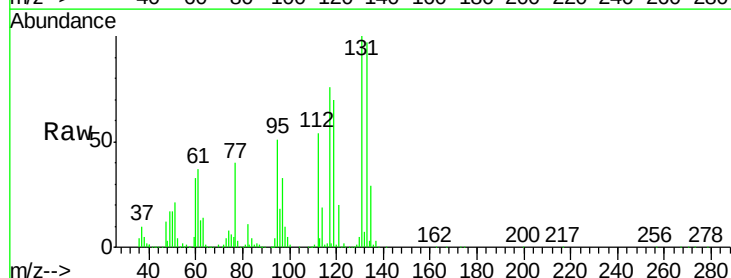
Tgt Ion:131 Resp: 1446525

Ion Ratio Lower Upper

131 100

133 95.9 75.5 113.3

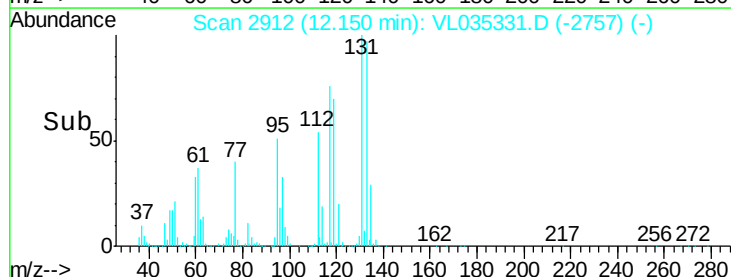
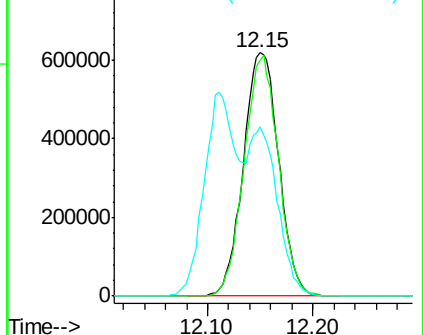
119 63.0 53.1 79.7

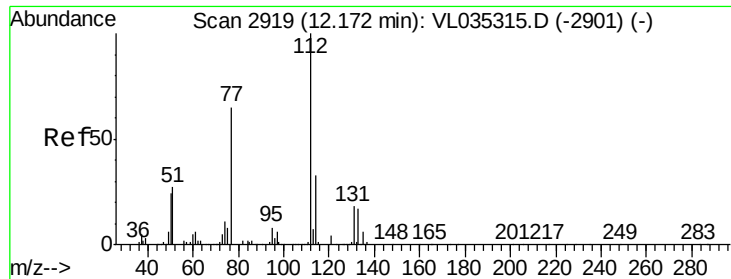


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V





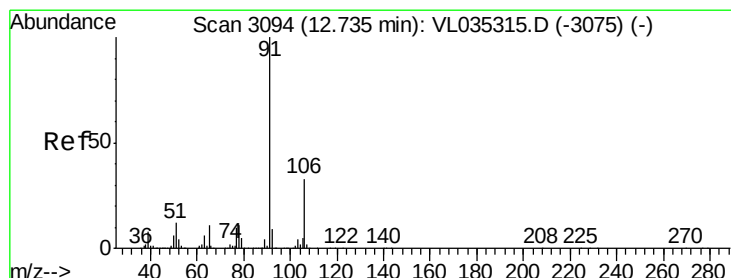
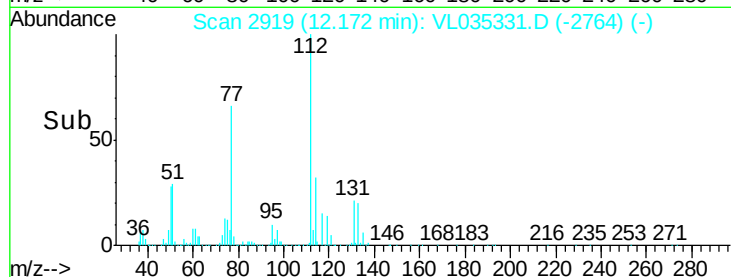
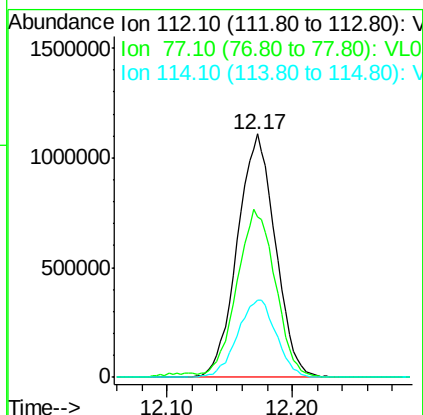
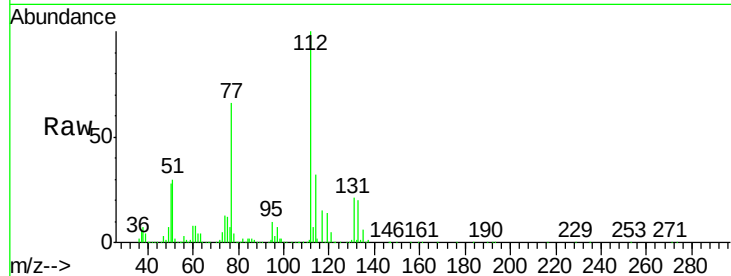
#57
Chlorobenzene
Concen: 8.745 ppbv
RT: 12.17 min Scan# 2919
Delta R.T. -0.00 min
Lab File: VL035331.D
Acq: 4 Aug 2020 2:44

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
112	100		
77	65.5	53.0	79.6
114	31.9	30.0	36.6

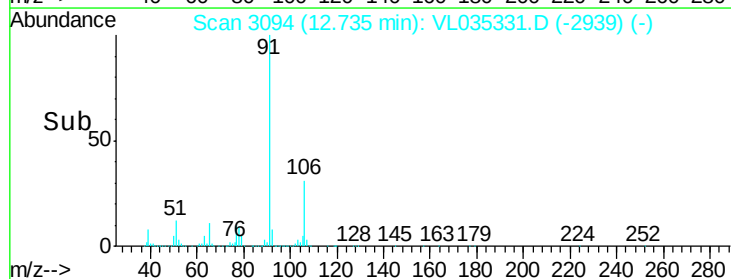
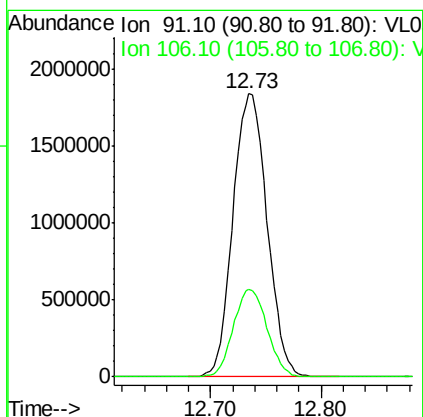
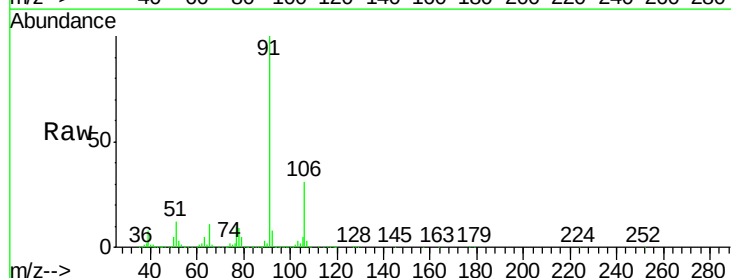
Manual Integrations
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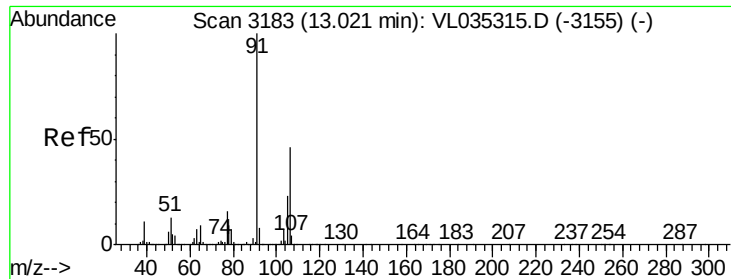
apatel
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#58
Ethyl Benzene
Concen: 10.304 ppbv
RT: 12.73 min Scan# 3094
Delta R.T. -0.00 min
Lab File: VL035331.D
Acq: 4 Aug 2020 2:44

Tgt Ion	Ratio	Lower	Upper
91	100		
106	30.8	26.3	39.5





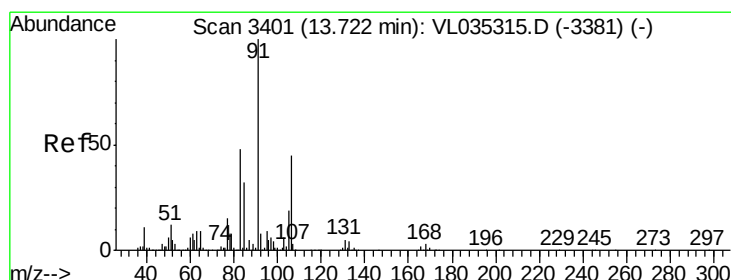
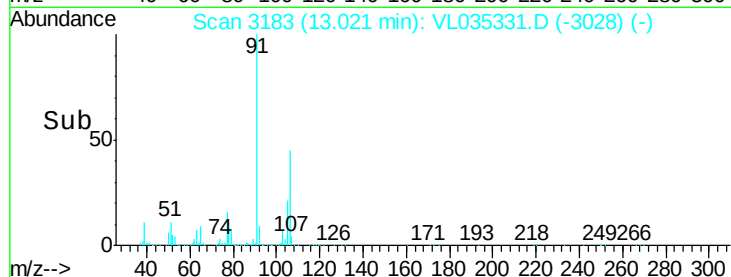
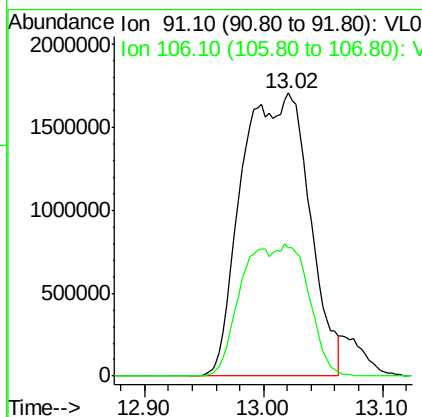
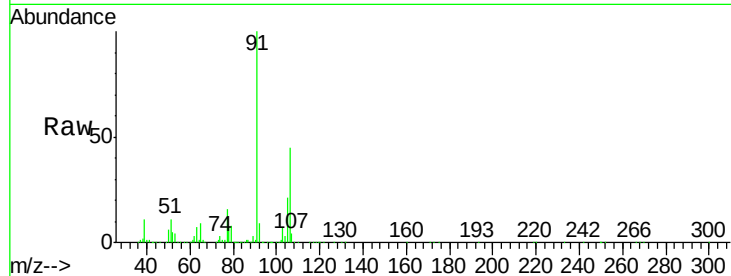
#59
m/p-Xylene
Concen: 19.061 ppbv m
RT: 13.02 min Scan# 3183
Delta R.T. -0.00 min
Lab File: VL035331.D
Acq: 4 Aug 2020 2:44

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 91 Resp: 6713269
Ion Ratio Lower Upper
91 100
106 45.9 36.6 55.0

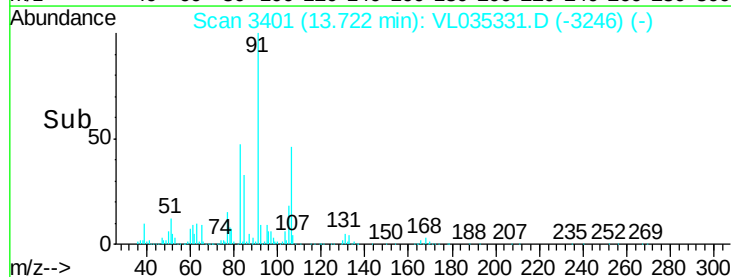
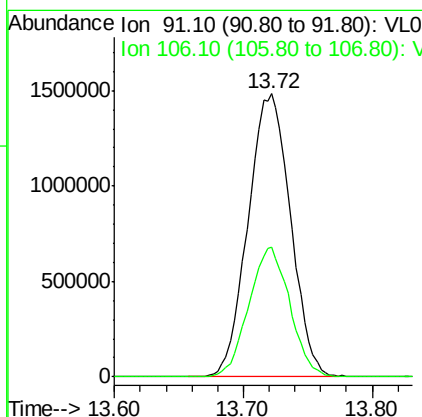
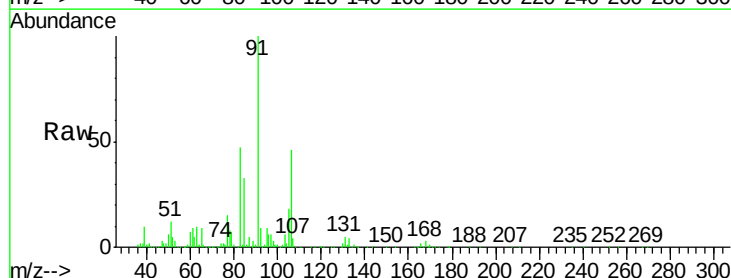
Manual Integrations
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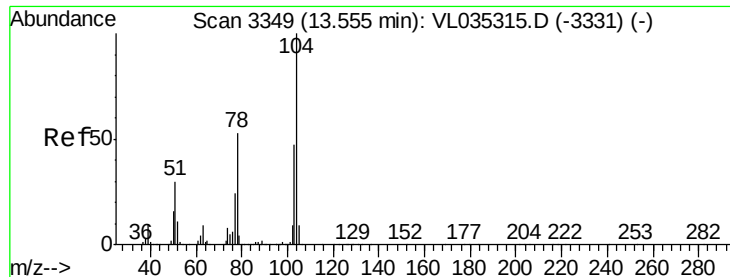
apatel
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#60
o-Xylene
Concen: 9.749 ppbv
RT: 13.72 min Scan# 3401
Delta R.T. -0.00 min
Lab File: VL035331.D
Acq: 4 Aug 2020 2:44

Tgt Ion: 91 Resp: 3394621
Ion Ratio Lower Upper
91 100
106 44.4 22.4 67.3





#61

Stvrene

Concen: 10.932 ppbv

RT: 13.55 min Scan# 3349

Delta R.T. -0.00 min

Lab File: VL035331.D

Acq: 4 Aug 2020 2:44

Instrument :

MSVOA_L

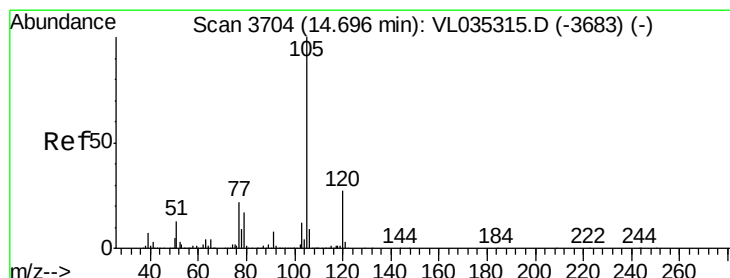
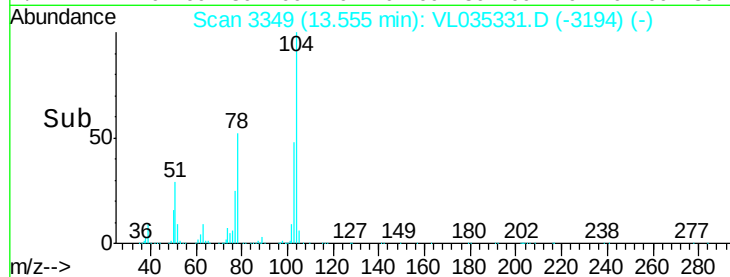
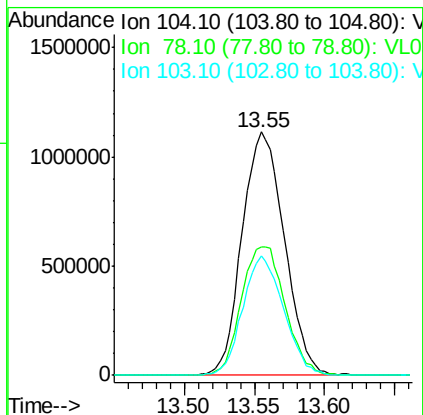
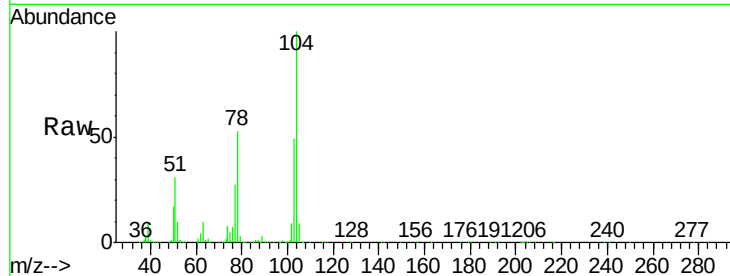
ClientSampleId :

VSTDCCC010EC

Tot Ion:	104	Resp:	2340368
Ion	Ratio	Lower	Upper
104	100		
78	55.1	43.1	64.7
103	47.6	37.6	56.4

Manual Integrations
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#62

Isopropylbenzene

Concen: 9.496 ppbv

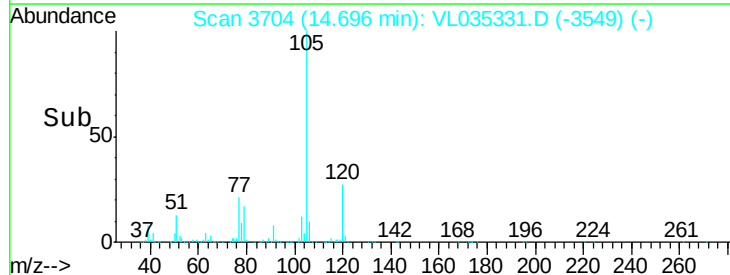
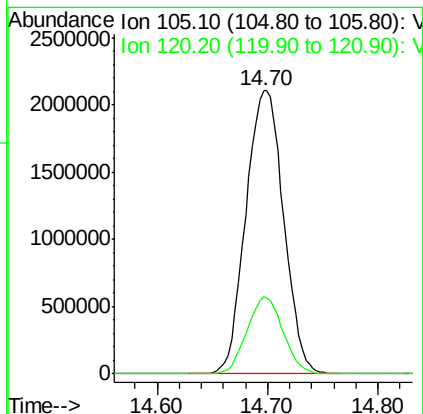
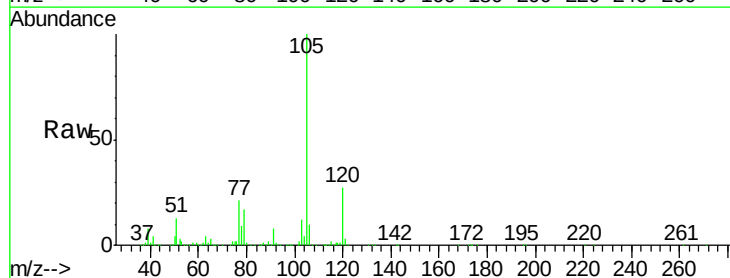
RT: 14.70 min Scan# 3704

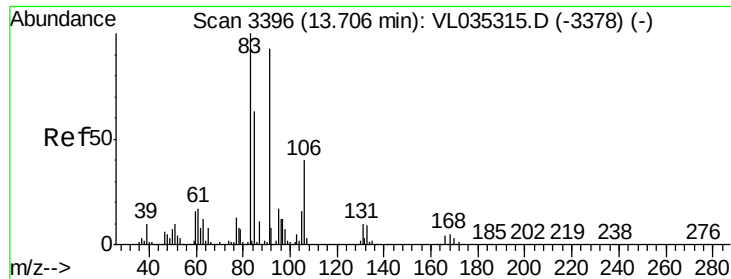
Delta R.T. -0.00 min

Lab File: VL035331.D

Acq: 4 Aug 2020 2:44

Tgt Ion:	105	Resp:	4987839
Ion	Ratio	Lower	Upper
105	100		
120	25.9	21.0	31.4





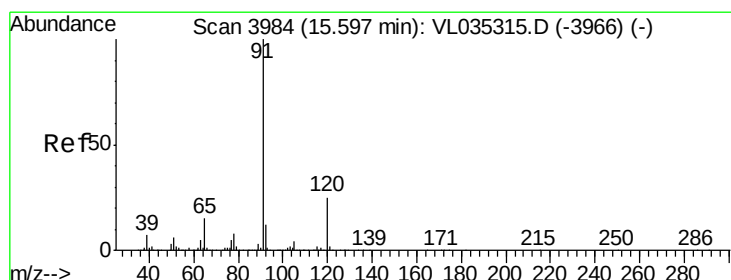
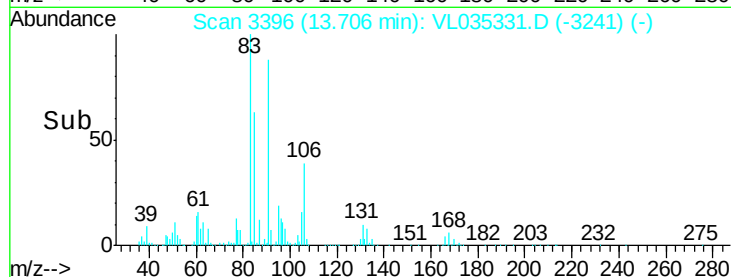
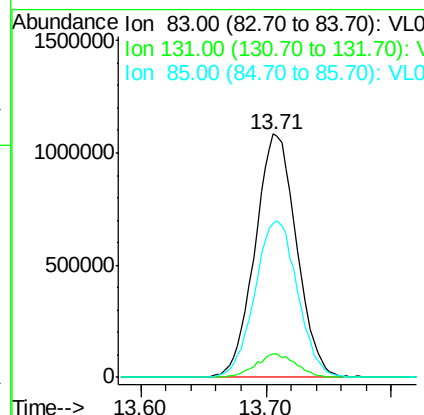
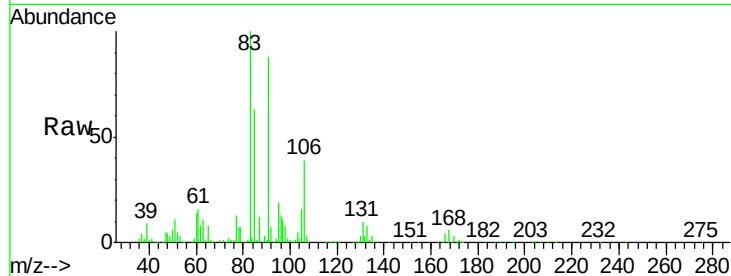
#63
 1,1,2,2-Tetrachloroethane
 Concen: 9.121 ppbv
 RT: 13.71 min Scan# 3396
 Delta R.T. -0.00 min
 Lab File: VL035331.D
 Acq: 4 Aug 2020 2:44

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
83	100		
131	9.5	4.6	13.8
85	66.7	32.6	97.7

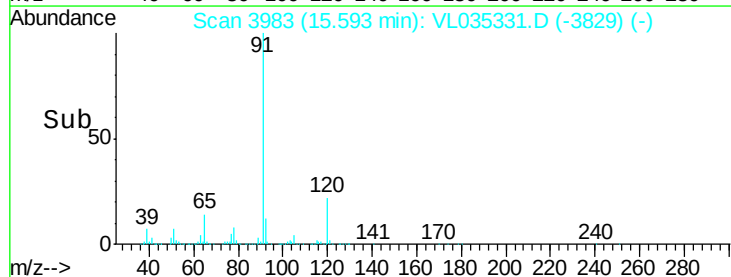
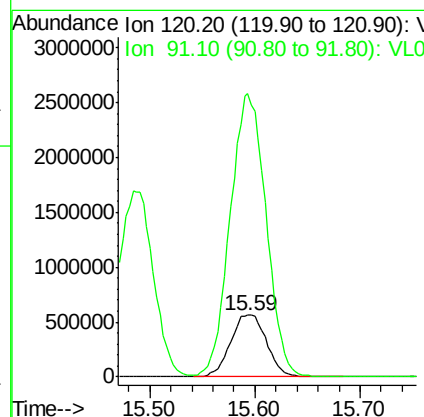
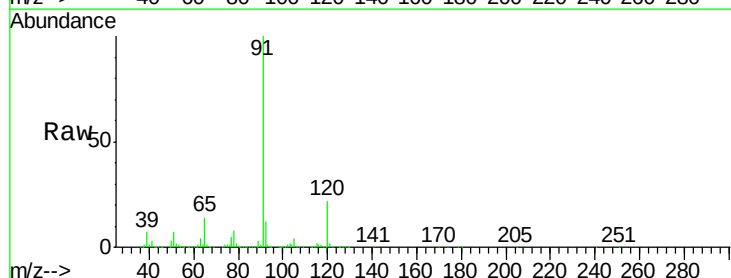
Manual Integrations
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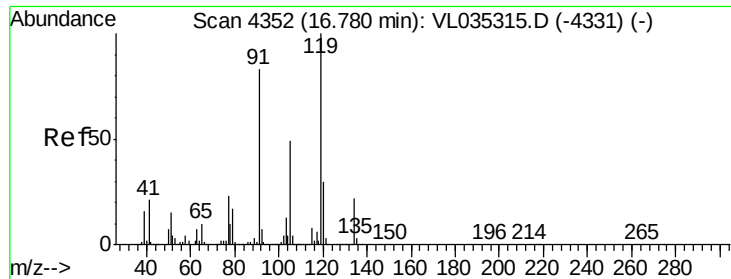
apatel
 8/6/2020 2:45:37 PM



#64
 n-propylbenzene
 Concen: 9.729 ppbv m
 RT: 15.59 min Scan# 3983
 Delta R.T. -0.00 min
 Lab File: VL035331.D
 Acq: 4 Aug 2020 2:44

Tgt Ion	Ratio	Lower	Upper
120	100		
91	458.0	359.3	538.9





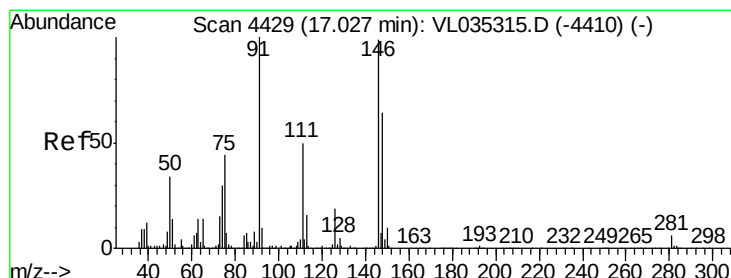
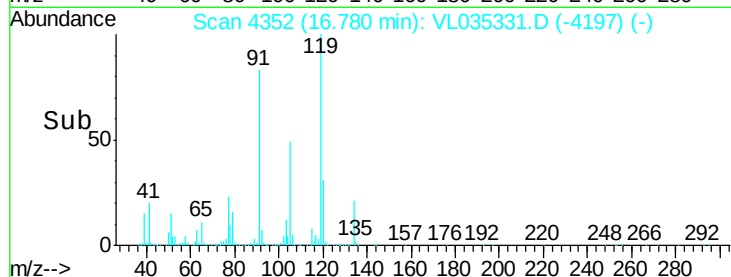
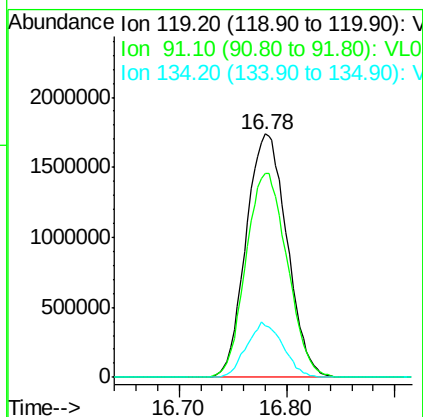
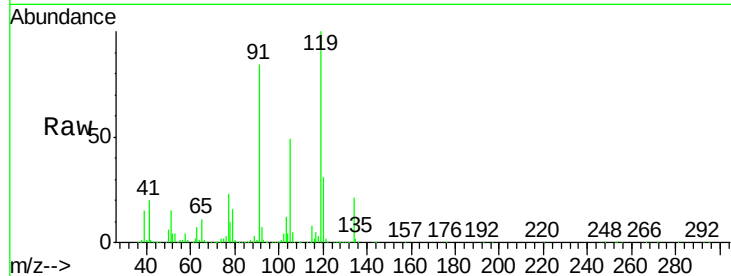
#65
tert-Butylbenzene
Concen: 9.702 ppbv
RT: 16.78 min Scan# 4352
Delta R.T. -0.00 min
Lab File: VL035331.D
Acq: 4 Aug 2020 2:44

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion:119 Resp: 4563310
Ion Ratio Lower Upper
119 100
91 85.3 67.8 101.8
134 20.1 16.1 24.1

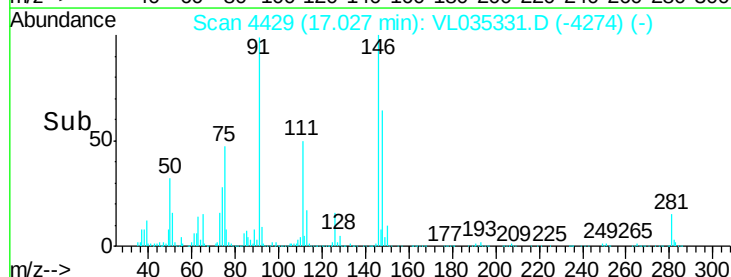
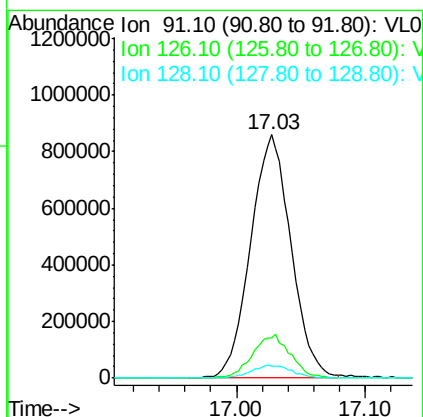
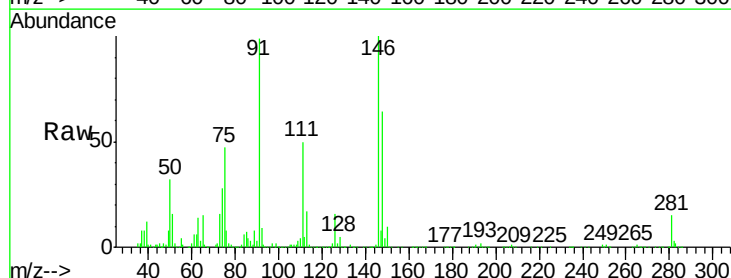
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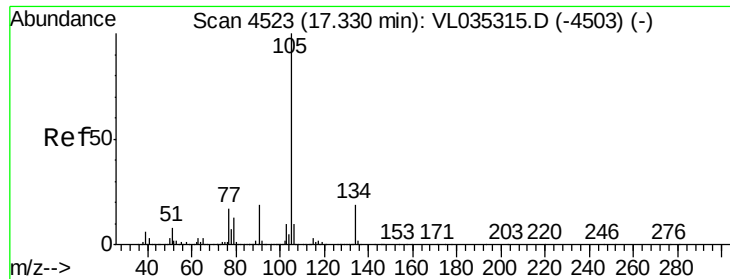
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#66
Benzyl Chloride
Concen: 10.275 ppbv
RT: 17.03 min Scan# 4429
Delta R.T. -0.00 min
Lab File: VL035331.D
Acq: 4 Aug 2020 2:44

Tgt Ion: 91 Resp: 1868466
Ion Ratio Lower Upper
91 100
126 17.0 13.8 20.8
128 5.4 4.2 6.4





#67

sec-Butylbenzene

Concen: 9.588 ppbv

RT: 17.33 min Scan# 4523

Delta R.T. -0.00 min

Lab File: VL035331.D

Acq: 4 Aug 2020 2:44

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 105 Resp: 6375835

Ion Ratio Lower Upper

105 100

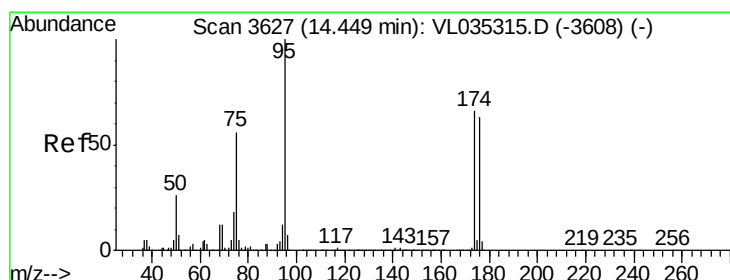
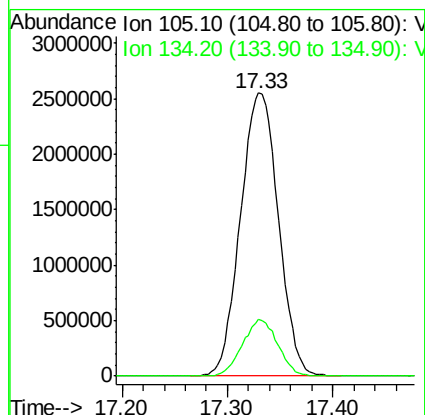
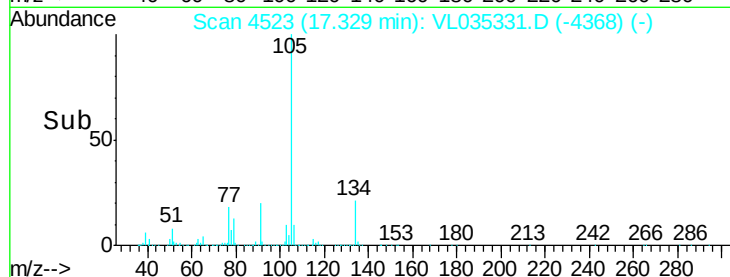
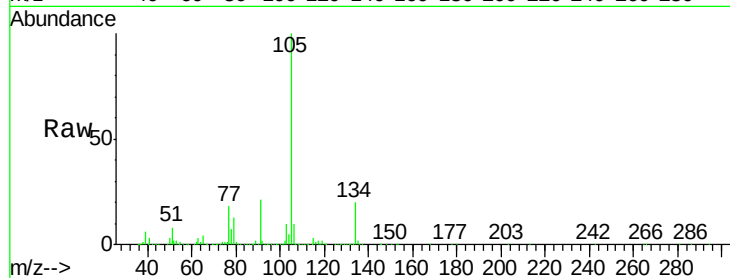
134 18.8 15.1 22.7

Manual Integrations

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#68

1-Bromo-4-Fluorobenzene

Concen: 9.998 ppbv

RT: 14.45 min Scan# 3626

Delta R.T. -0.00 min

Lab File: VL035331.D

Acq: 4 Aug 2020 2:44

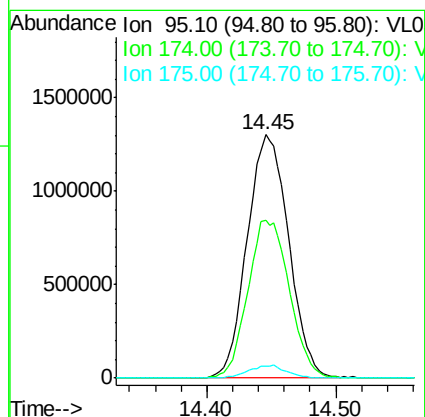
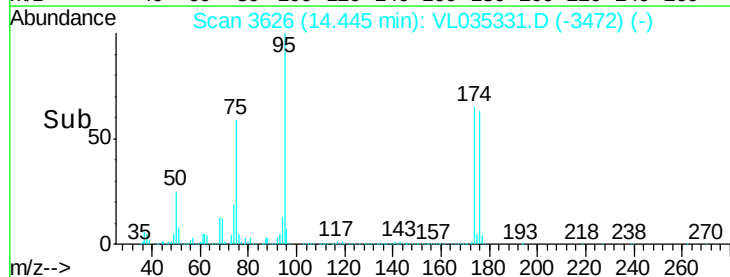
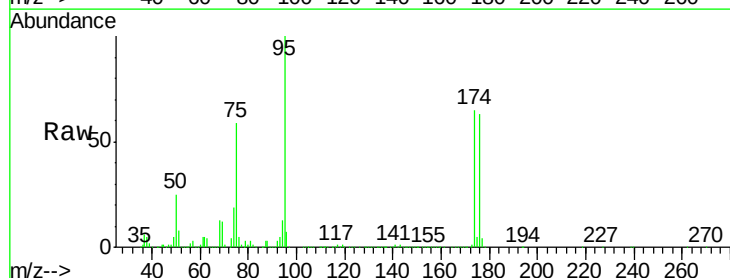
Tgt Ion: 95 Resp: 2917748

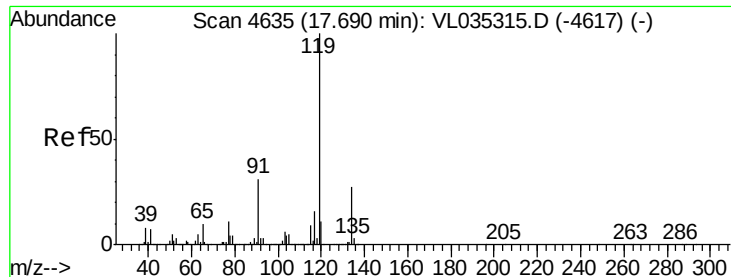
Ion Ratio Lower Upper

95 100

174 65.3 52.5 78.7

175 4.8 3.9 5.9





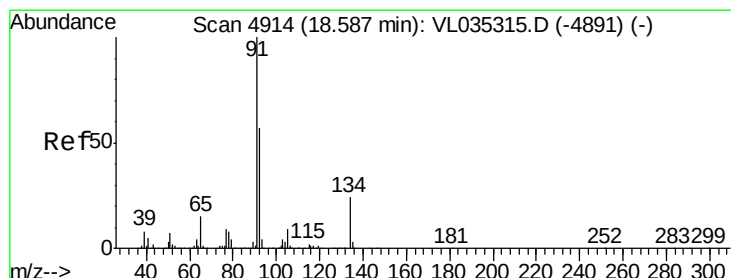
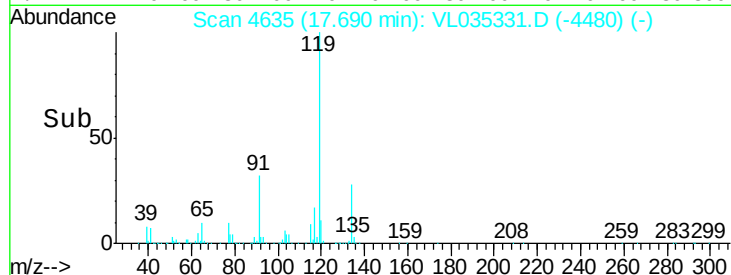
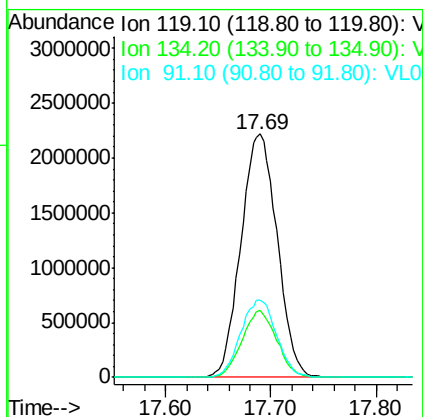
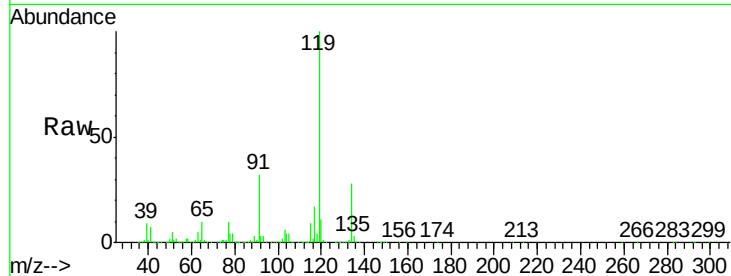
#69
 p-Isopropyltoluene
 Concen: 9.619 ppbv
 RT: 17.69 min Scan# 4635
 Delta R.T. -0.00 min
 Lab File: VL035331.D
 Acq: 4 Aug 2020 2:44

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
119	100		
134	26.2	21.2	31.8
91	31.6	25.3	37.9

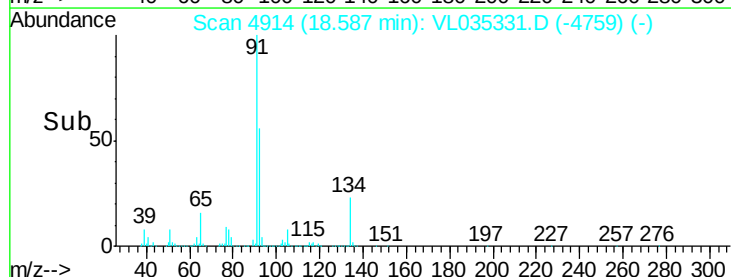
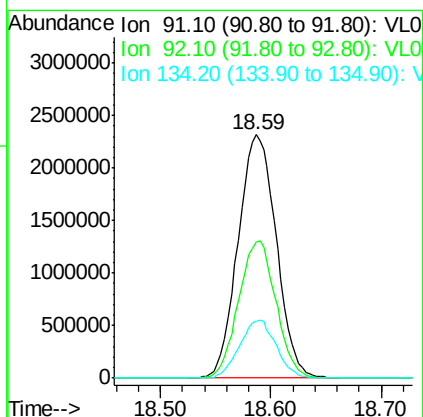
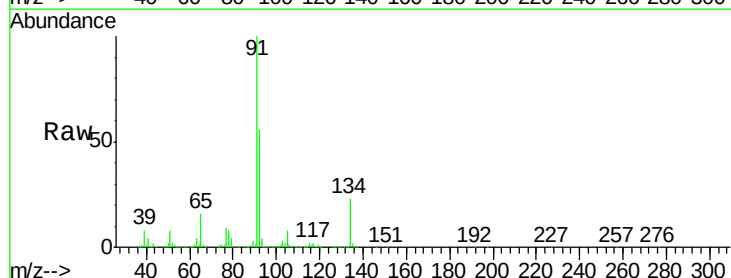
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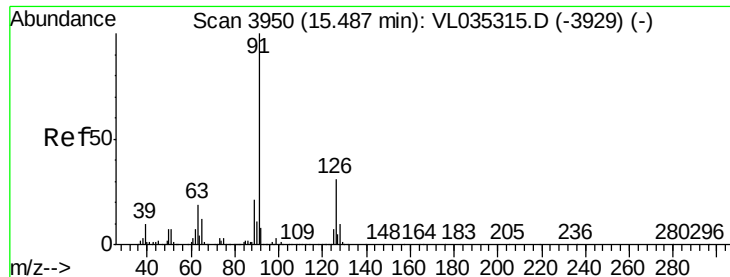
apatel
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#70
 n-Butylbenzene
 Concen: 9.380 ppbv
 RT: 18.59 min Scan# 4914
 Delta R.T. -0.00 min
 Lab File: VL035331.D
 Acq: 4 Aug 2020 2:44

Tgt Ion	Ratio	Lower	Upper
91	100		
92	55.3	44.6	66.8
134	22.8	18.6	27.8





#71

2-Chlorotoluene

Concen: 9.906 ppbv

RT: 15.48 min Scan# 3949

Delta R.T. -0.00 min

Lab File: VL035331.D

Acq: 4 Aug 2020 2:44

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 91 Resp: 3883465

Ion Ratio Lower Upper

91 100

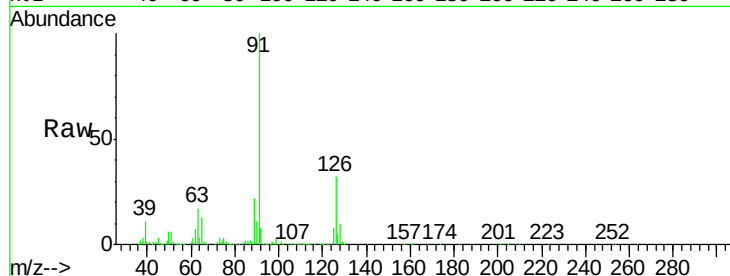
126 30.4 12.3 49.3

Manual Integrations

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Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

3000000

2500000

2000000

1500000

1000000

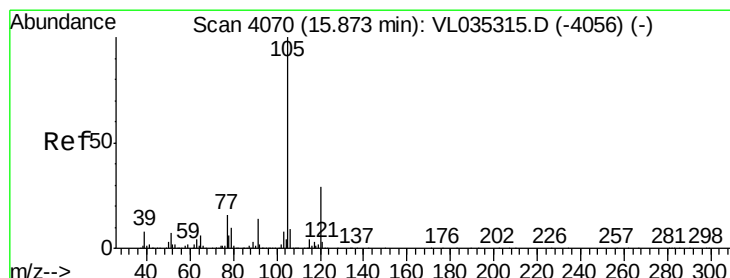
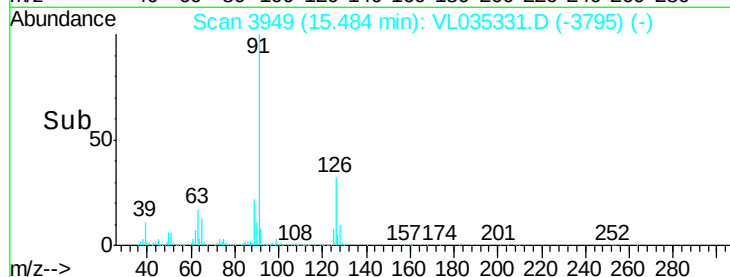
500000

0

15.40

15.50

Time-->



#72

4-Ethyltoluene

Concen: 10.087 ppbv

RT: 15.87 min Scan# 4069

Delta R.T. -0.00 min

Lab File: VL035331.D

Acq: 4 Aug 2020 2:44

Tgt Ion:105 Resp: 3962836

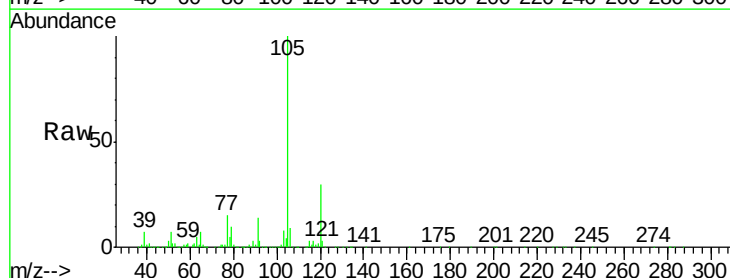
Ion Ratio Lower Upper

105 100

120 29.9 23.6 35.4

91 13.8 11.3 16.9

77 15.0 11.8 17.6



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

2500000

2000000

1500000

1000000

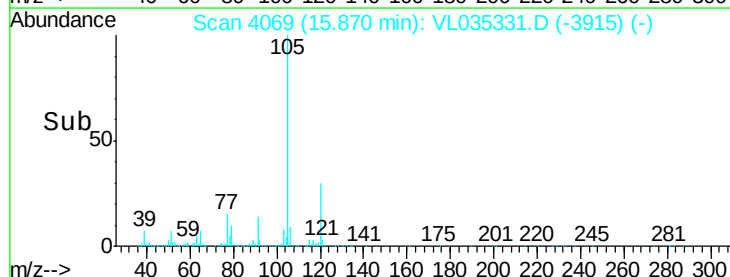
500000

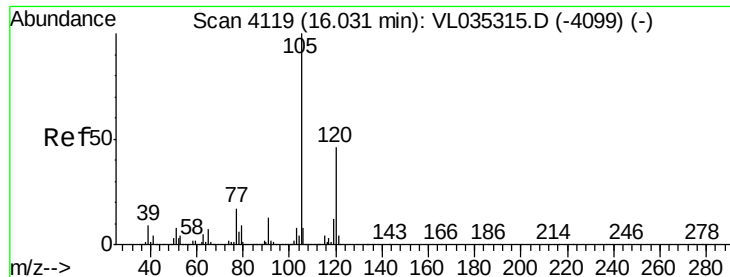
0

15.80

15.90

Time-->





#73

1,3,5-Trimethylbenzene

Concen: 9.887 ppbv

RT: 16.03 min Scan# 4120

Delta R.T. 0.00 min

Lab File: VL035331.D

Acq: 4 Aug 2020 2:44

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:105 Resp: 3804909

Ion Ratio Lower Upper

105 100

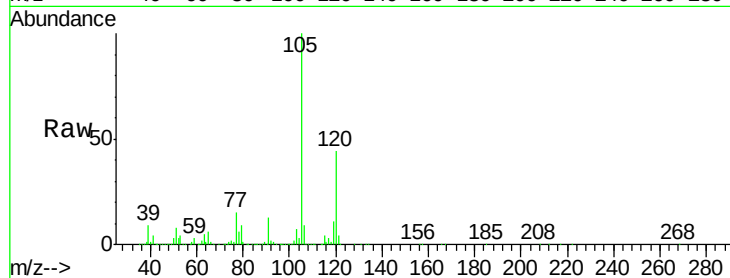
120 44.4 36.6 54.8

Manual Integrations

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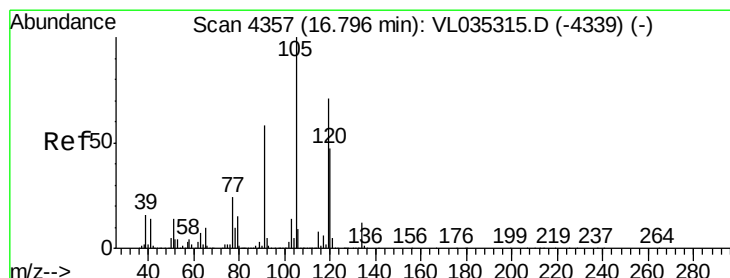
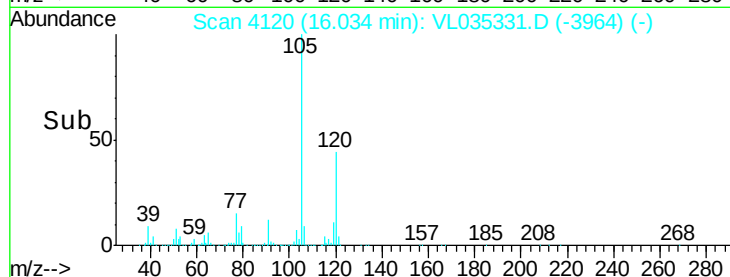
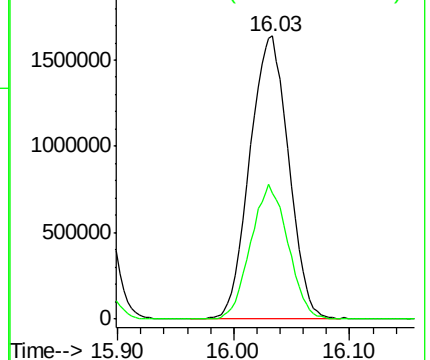
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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V



#74

1,2,4-Trimethylbenzene

Concen: 9.117 ppbv

RT: 16.80 min Scan# 4358

Delta R.T. 0.00 min

Lab File: VL035331.D

Acq: 4 Aug 2020 2:44

Tgt Ion:105 Resp: 4022727

Ion Ratio Lower Upper

105 100

120 48.9 38.0 57.0

91 51.4 47.9 71.9

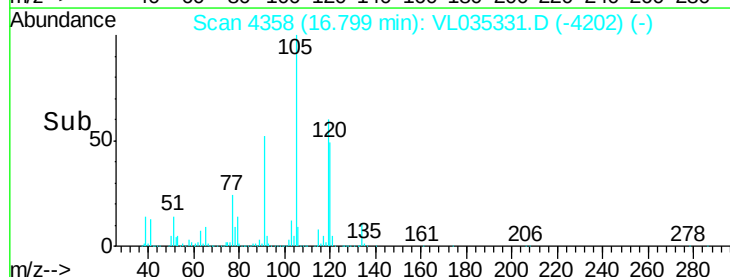
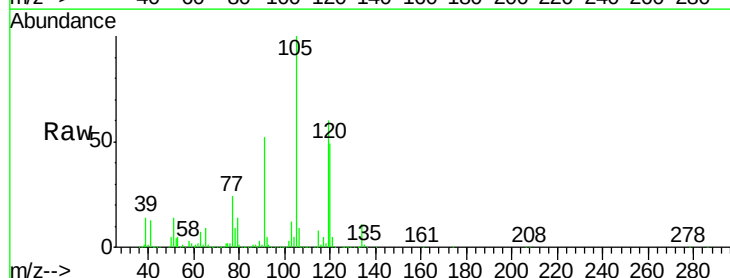
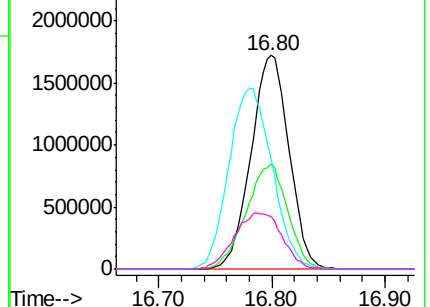
77 24.4 19.6 29.4

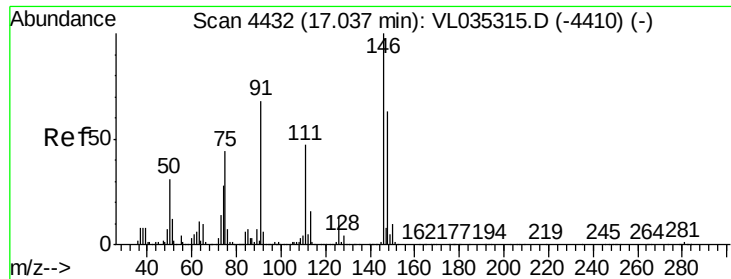
Abundance Ion 105.10 (104.80 to 105.80): V

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





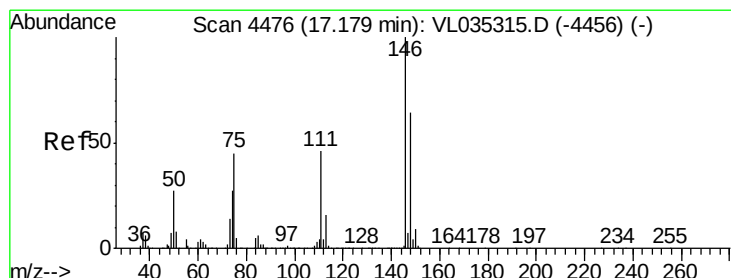
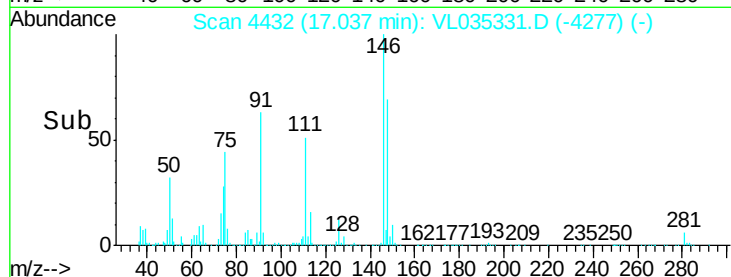
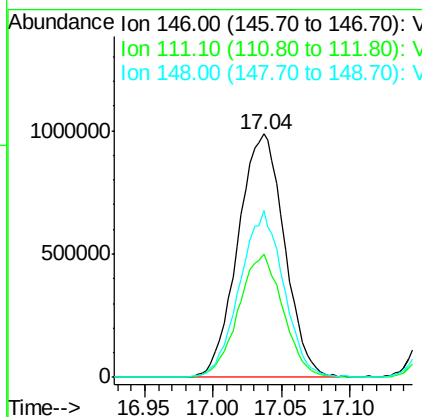
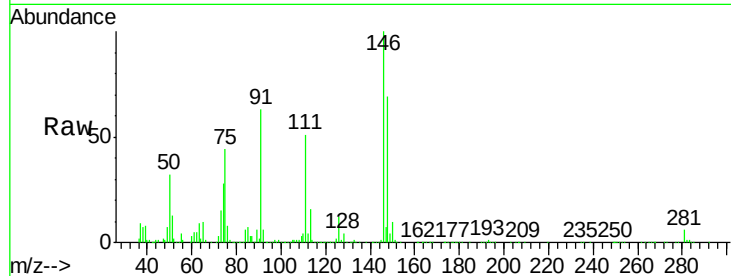
#75
 1,3-Dichlorobenzene
 Concen: 8.430 ppbv
 RT: 17.04 min Scan# 4432
 Delta R.T. -0.00 min
 Lab File: VL035331.D
 Acq: 4 Aug 2020 2:44

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	48.9	24.2	72.6
148	65.4	32.4	97.0

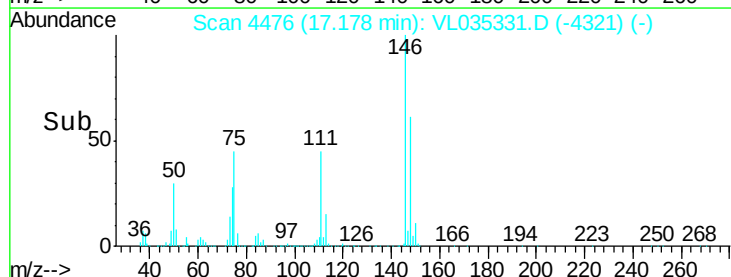
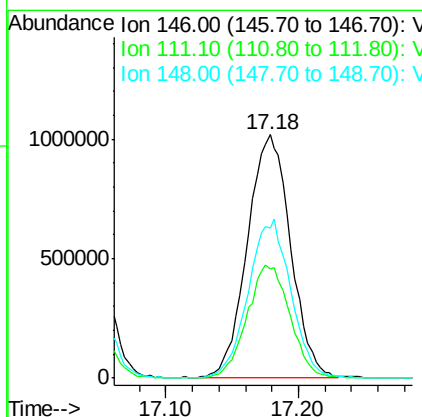
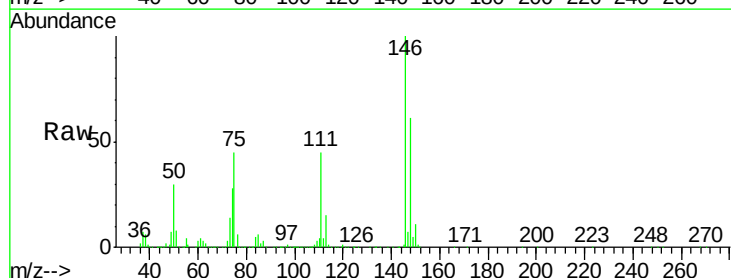
Manual Integrations
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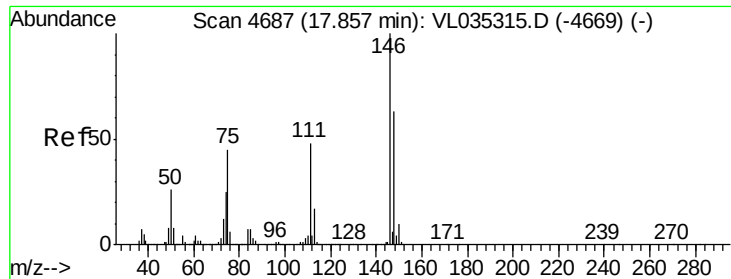
apatel
 8/6/2020 2:45:37 PM



#76
 1,4-Dichlorobenzene
 Concen: 8.854 ppbv
 RT: 17.18 min Scan# 4476
 Delta R.T. -0.00 min
 Lab File: VL035331.D
 Acq: 4 Aug 2020 2:44

Tgt Ion	Ratio	Lower	Upper
146	100		
111	46.5	23.6	70.8
148	64.9	32.8	98.4





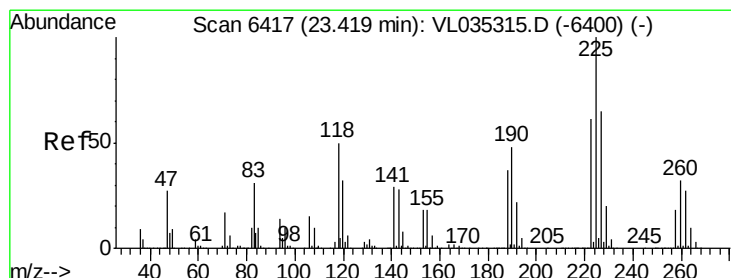
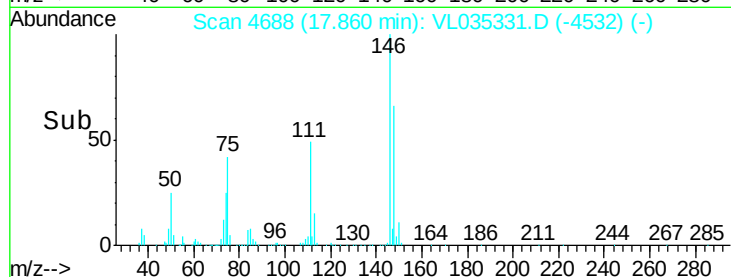
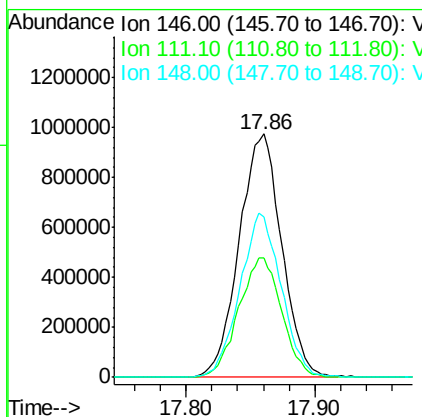
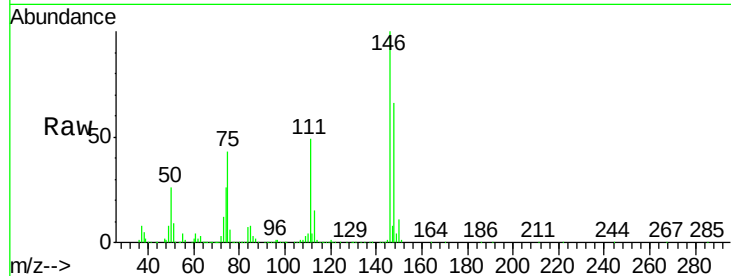
#77
 1,2-Dichlorobenzene
 Concen: 8.843 ppbv
 RT: 17.86 min Scan# 4688
 Delta R.T. 0.00 min
 Lab File: VL035331.D
 Acq: 4 Aug 2020 2:44

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion:146 Resp: 2238343
 Ion Ratio Lower Upper
 146 100
 111 49.8 24.6 73.6
 148 65.5 32.3 96.8

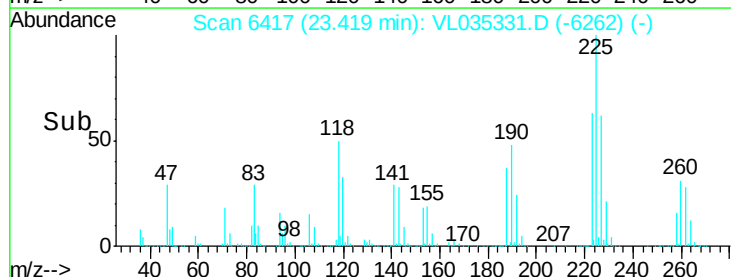
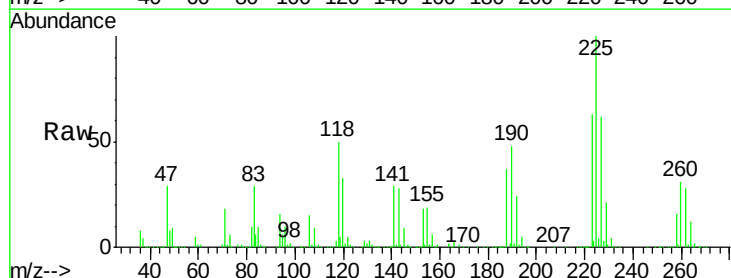
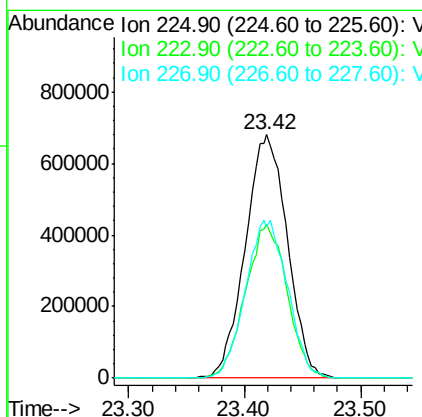
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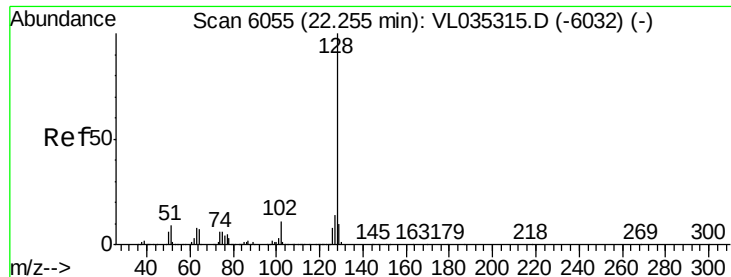
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#78
 Hexachloro-1,3-Butadiene
 Concen: 8.354 ppbv
 RT: 23.42 min Scan# 6417
 Delta R.T. -0.00 min
 Lab File: VL035331.D
 Acq: 4 Aug 2020 2:44

Tgt Ion:225 Resp: 1716856
 Ion Ratio Lower Upper
 225 100
 223 62.5 50.2 75.4
 227 64.9 52.7 79.1





#79

Naphthalene

Concen: 9.714 ppbv

RT: 22.26 min Scan# 6055

Delta R.T. -0.00 min

Lab File: VL035331.D

Acq: 4 Aug 2020 2:44

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:128 Resp: 3392483

Ion Ratio Lower Upper

128 100

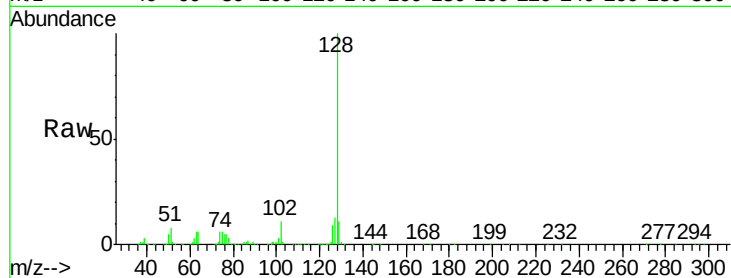
127 13.1 10.8 16.2

129 10.9 8.4 12.6

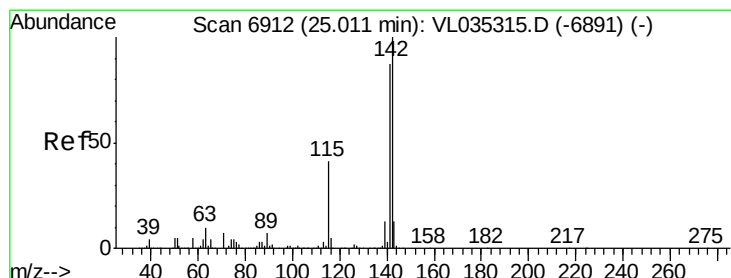
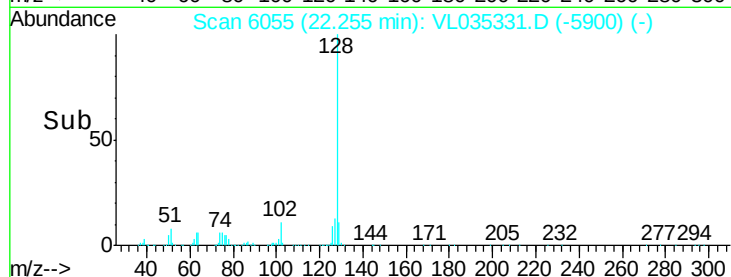
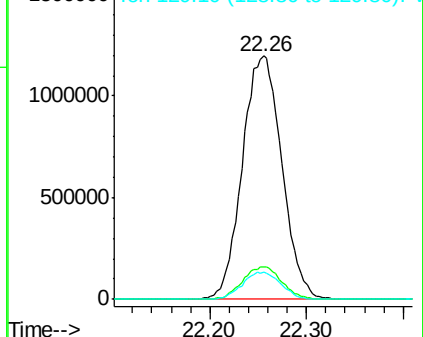
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Abundance Ion 128.10 (127.80 to 128.80): V
Ion 127.10 (126.80 to 127.80): V
Ion 129.10 (128.80 to 129.80): V



#80

Naphthalene, 2-methyl-

Concen: 11.441 ppbv

RT: 25.01 min Scan# 6912

Delta R.T. -0.00 min

Lab File: VL035331.D

Acq: 4 Aug 2020 2:44

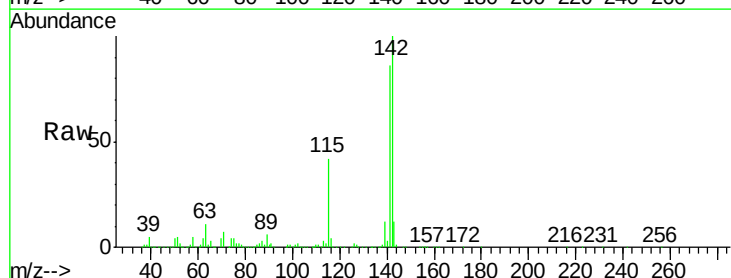
Tgt Ion:142 Resp: 1173214

Ion Ratio Lower Upper

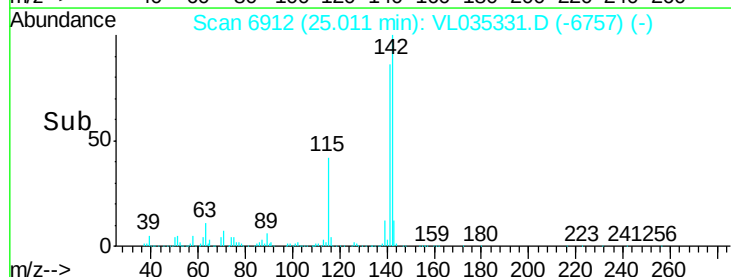
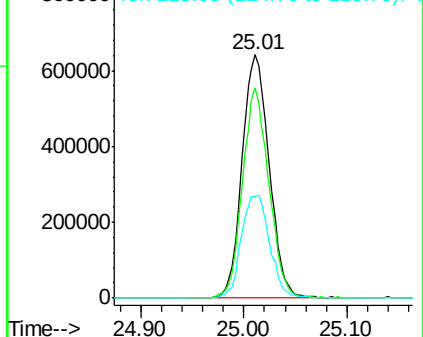
142 100

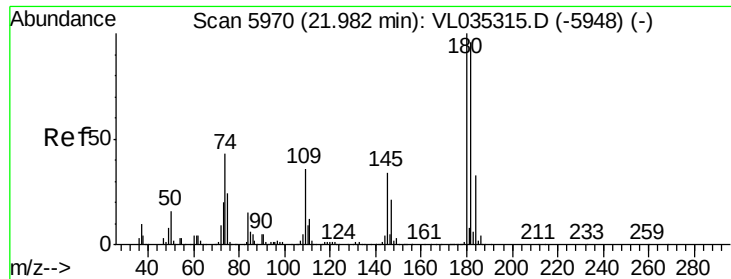
141 84.5 68.3 102.5

115 44.4 35.0 52.4



Abundance Ion 142.00 (141.70 to 142.70): V
Ion 141.00 (140.70 to 141.70): V
Ion 115.00 (114.70 to 115.70): V





#81
 1,2,4-Trichlorobenzene
 Concen: 8.983 ppbv
 RT: 21.99 min Scan# 5971
 Delta R.T. 0.00 min
 Lab File: VL035331.D
 Acq: 4 Aug 2020 2:44

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.3	76.9	115.3
184	31.2	25.0	37.6

Manual Integrations
 APPROVED

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