

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL051821\
 Data File : VL036950.D
 Acq On : 18 May 2021 1:58
 Operator : SY/AP
 Sample : VSTDICCC010
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Manual Integrations
 APPROVED

MMDadoda
 5/20/2021 5:54:12 PM

Quant Time: May 18 11:58:48 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL051821AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue May 18 2021
 QLast Update : Tue May 18 07:06:50 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1382258	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.16	114	4073034	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.06	117	3805414m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.39	95	3012171	10.15	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.50%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.03	85	2069301	8.777	ppbv	100
3) Chlorodifluoromethane	2.98	51	2250259	8.283	ppbv	100
4) Chloromethane	3.13	50	792048	8.924	ppbv	100
5) Vinyl Chloride	3.24	62	852126	8.808	ppbv	100
6) Bromomethane	3.46	94	459759	9.421	ppbv	100
7) Chloroethane	3.54	64	306713	9.847	ppbv	100
8) Dichlorotetrafluoroethane	3.18	85	2002185	9.003	ppbv	100
9) Propene	3.00	41	825125	10.652	ppbv	100
10) Heptane	8.10	43	2029253	11.007	ppbv	100
11) Trichlorofluoromethane	3.93	101	2027672	9.553	ppbv	100
12) 1,1,2-Trichlorotrifluoroet	4.47	101	1433390	9.997	ppbv	100
13) Ethanol	3.60	45	92215	6.272	ppbv	100
14) Bromoethene	3.73	108	645966	11.230	ppbv	100
15) Acetone	3.84	43	1053476	8.115	ppbv	100
16) 1,3-Butadiene	3.31	39	818970	9.752	ppbv	100
17) tert-Butyl alcohol	4.28	59	1315074	10.961	ppbv	100
18) 1,1-Dichloroethene	4.27	96	662793	11.249	ppbv	100
19) Isopropyl Alcohol	3.96	45	680407	9.200	ppbv	99
20) Methylene Chloride	4.33	84	582703m	5.498	ppbv	
21) Allyl Chloride	4.39	41	998963	10.452	ppbv	98
22) trans-1,2-Dichloroethene	4.87	96	634613	10.500	ppbv	100
23) Vinyl Acetate	5.06	43	2177408	11.795	ppbv	100
24) 1,1-Dichloroethane	4.99	63	1566217	11.165	ppbv	100
25) Ethyl Acetate	5.66	43	3041316	9.483	ppbv	100
26) Hexane	5.67	57	1487837	9.033	ppbv	100
27) Carbon Disulfide	4.53	76	1681130	11.527	ppbv	100
28) Methyl tert-Butyl Ether	5.02	73	1954363	12.280	ppbv	100
29) Chloroform	5.74	83	2238544	9.058	ppbv	100
30) Cyclohexane	7.11	84	1339599	10.633	ppbv	100
31) cis-1,2-Dichloroethene	5.53	61	1437334	11.139	ppbv	100
32) 1,1,1-Trichloroethane	6.49	97	2324399	8.823	ppbv	100
34) 2-Butanone	5.23	43	1392791	8.942	ppbv	100
35) Carbon Tetrachloride	7.00	117	2373345	7.455	ppbv	100
36) Benzene	6.87	78	3170651	9.691	ppbv	100
37) 1,2-Dichloroethane	6.29	62	1630311	8.400	ppbv	100
38) Trichloroethene	7.81	130	1226247	9.137	ppbv	100
39) 1,2-Dichloropropane	7.59	63	1232110	9.192	ppbv	100
40) 1,4-Dioxane	7.82	88	246890	7.064	ppbv #	100
41) Tetrahydrofuran	6.03	42	779365	12.253	ppbv	100
42) Bromodichloromethane	7.77	83	2469289	8.641	ppbv	100
43) Methyl Methacrylate	8.00	69	1160683	12.189	ppbv	100

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Manual Integrations
 APPROVED

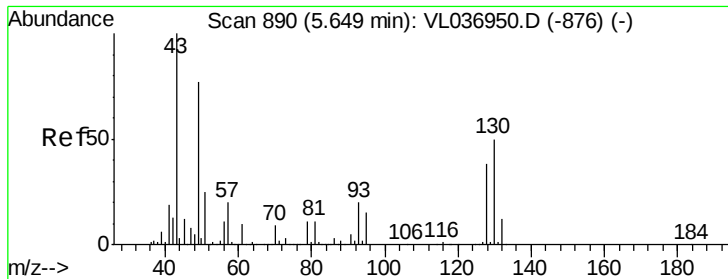
MMDadoda
 5/20/2021 5:54:12 PM

Quant Time: May 18 11:58:48 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL051821AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue May 18 2021
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

44) 2,2,4-Trimethylpentane	7.85	57	5192958	8.928	ppbv	100
45) t-1,3-Dichloropropene	9.26	75	943493	10.973	ppbv	100
46) cis-1,3-Dichloropropene	8.68	75	1225259	10.177	ppbv	100
47) 1,1,2-Trichloroethane	9.46	97	1289232	8.770	ppbv	100
48) Dibromochloromethane	10.28	129	2215304	10.017	ppbv	100
49) Bromoform	13.02	173	1883595	10.347	ppbv	100
50) 4-Methyl-2-Pentanone	8.73	43	2288853	10.737	ppbv	100
51) 2-Hexanone	10.11	43	1237998	13.630	ppbv #	99
52) Tetrachloroethene	11.20	164	1214642	10.100	ppbv	100
53) Toluene	9.78	91	3696546	11.326	ppbv	100
54) 1,2-Dibromoethane	10.59	107	1885844	9.825	ppbv	100
56) 1,1,1,2-Tetrachloroethane	12.10	131	1477167	8.443	ppbv	100
57) Chlorobenzene	12.12	112	2675911	8.331	ppbv	100
58) Ethyl Benzene	12.69	91	4902252	10.838	ppbv	100
59) m/p-Xylene	12.97	91	8016994m	18.859	ppbv	
60) o-Xylene	13.67	91	3794022	9.228	ppbv	100
61) Styrene	13.51	104	2334293	13.825	ppbv	100
62) Isopropylbenzene	14.64	105	5385124	9.604	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.65	83	2632691	6.776	ppbv	100
64) n-propylbenzene	15.54	120	1474124	10.623	ppbv	100
65) tert-Butylbenzene	16.72	119	4804482	9.661	ppbv	100
66) Benzyl Chloride	16.96	91	311140	6.874	ppbv	99
67) sec-Butylbenzene	17.27	105	6635980	9.445	ppbv	100
69) p-Isopropyltoluene	17.63	119	5773988	10.800	ppbv	100
70) n-Butylbenzene	18.53	91	5682228	10.602	ppbv	100
71) 2-Chlorotoluene	15.43	91	4027032	10.045	ppbv	100
72) 4-Ethyltoluene	15.82	105	4756472	11.165	ppbv	100
73) 1,3,5-Trimethylbenzene	15.97	105	4286473	10.298	ppbv	100
74) 1,2,4-Trimethylbenzene	16.74	105	4392220	9.610	ppbv	100
75) 1,3-Dichlorobenzene	16.97	146	2768597	9.344	ppbv	100
76) 1,4-Dichlorobenzene	17.11	146	2669817	10.085	ppbv	100
77) 1,2-Dichlorobenzene	17.80	146	2699076	10.062	ppbv	100
78) Hexachloro-1,3-Butadiene	23.36	225	1979108	8.260	ppbv	100
79) Naphthalene	22.17	128	4094970	19.836	ppbv	100
80) Naphthalene, 2-methyl-	24.96	142	865210	28.597	ppbv	100
81) 1,2,4-Trichlorobenzene	21.90	180	2304355	15.598	ppbv	99

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 890

Delta R.T. 0.00 min

Lab File: VL036950.D

Acq: 18 May 2021 1:58

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion: 49 Resp: 1382258

Ion Ratio Lower Upper

49 100

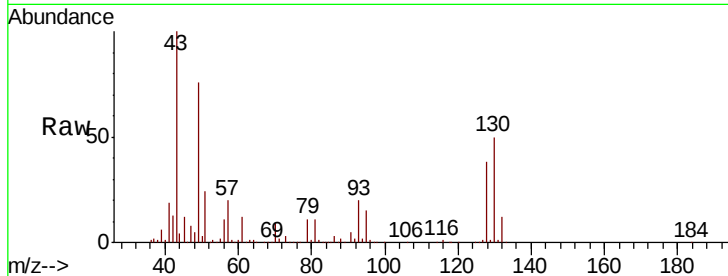
128 54.3 26.9 80.7

130 67.1 33.8 101.4

Manual Integrations
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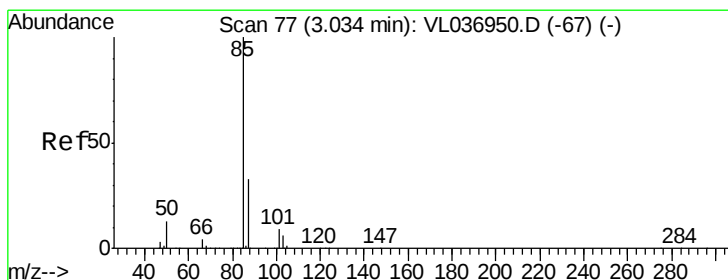
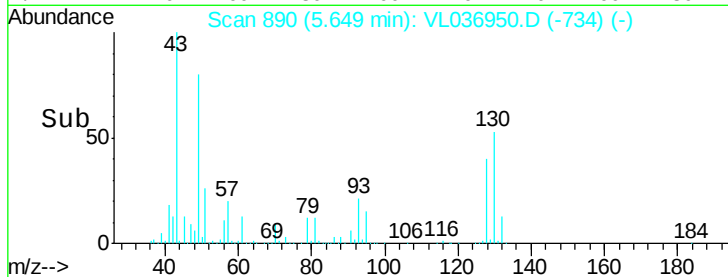
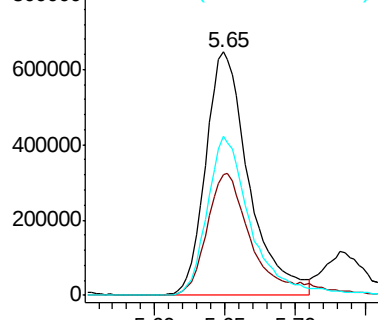
5/20/2021 5:54:12 PM



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: 8.777 ppbv

RT: 3.03 min Scan# 77

Delta R.T. 0.00 min

Lab File: VL036950.D

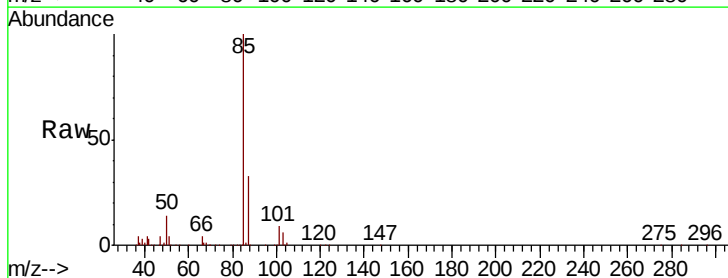
Acq: 18 May 2021 1:58

Tgt Ion: 85 Resp: 2069301

Ion Ratio Lower Upper

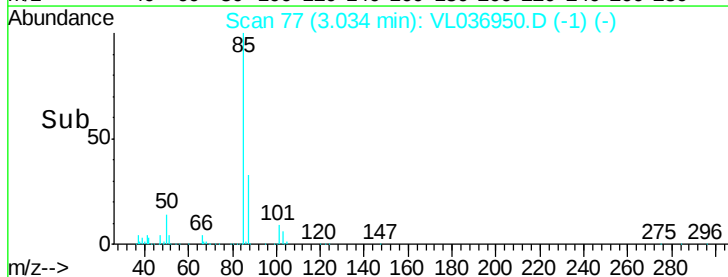
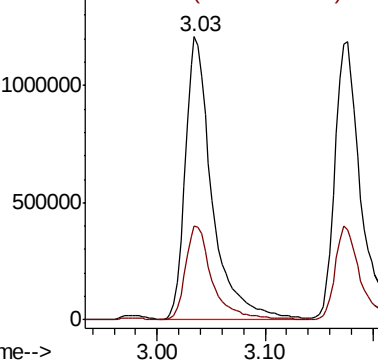
85 100

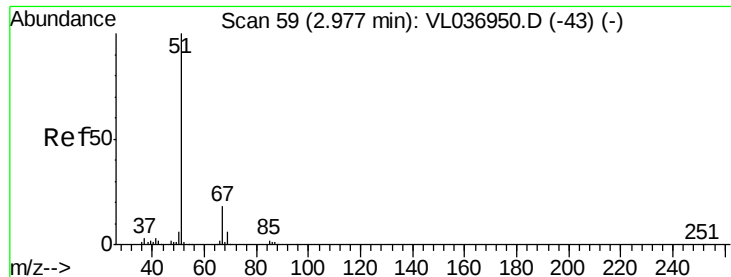
87 33.2 26.6 39.8



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 8.283 ppbv

RT: 2.98 min Scan# 59

Delta R.T. 0.00 min

Lab File: VL036950.D

Acq: 18 May 2021 1:58

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion: 51 Resp: 2250259

Ion Ratio Lower Upper

51 100

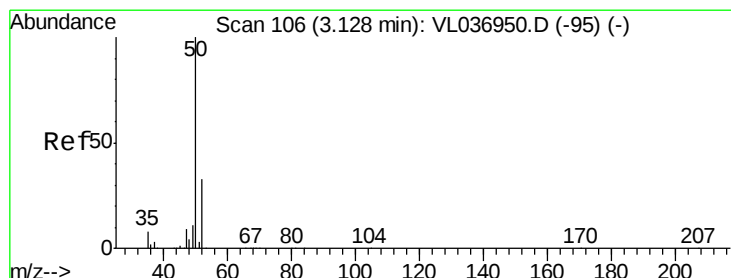
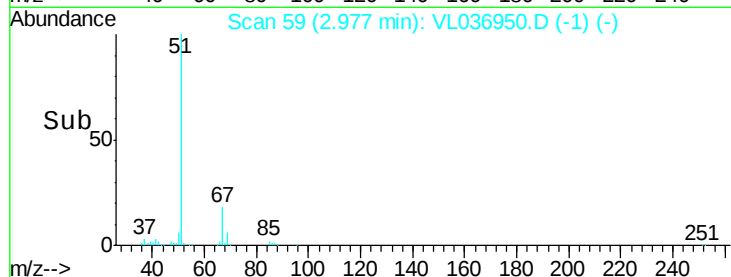
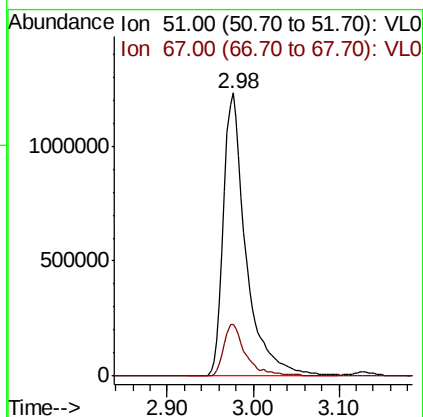
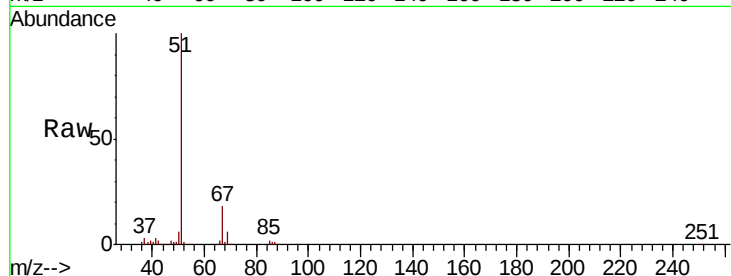
67 18.2 14.6 21.8

Manual Integrations

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#4

Chloromethane

Concen: 8.924 ppbv

RT: 3.13 min Scan# 106

Delta R.T. 0.00 min

Lab File: VL036950.D

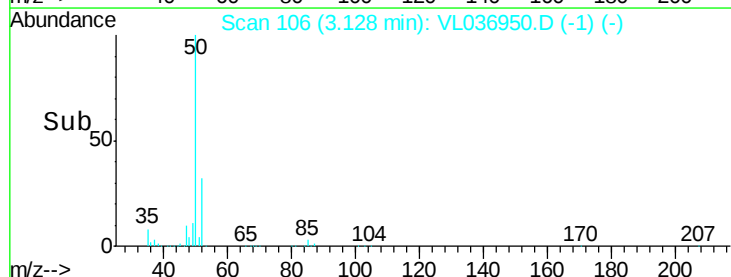
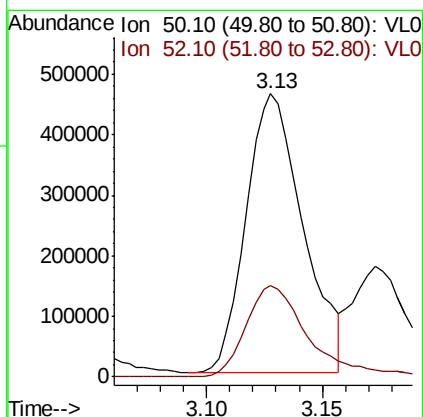
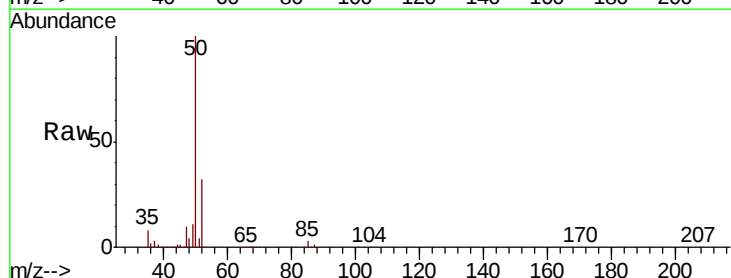
Acq: 18 May 2021 1:58

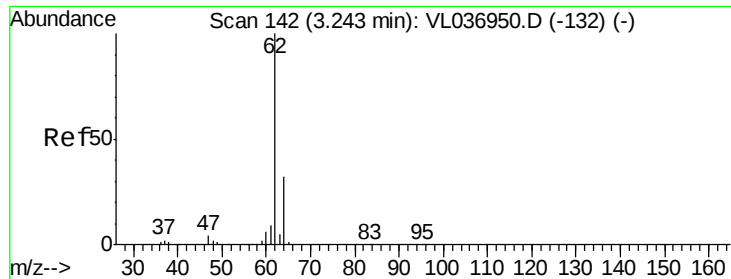
Tgt Ion: 50 Resp: 792048

Ion Ratio Lower Upper

50 100

52 32.6 26.1 39.1





#5

Vinyl Chloride

Concen: 8.808 ppbv

RT: 3.24 min Scan# 142

Delta R.T. 0.00 min

Lab File: VL036950.D

Acq: 18 May 2021 1:58

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion: 62 Resp: 852126

Ion Ratio Lower Upper

62 100

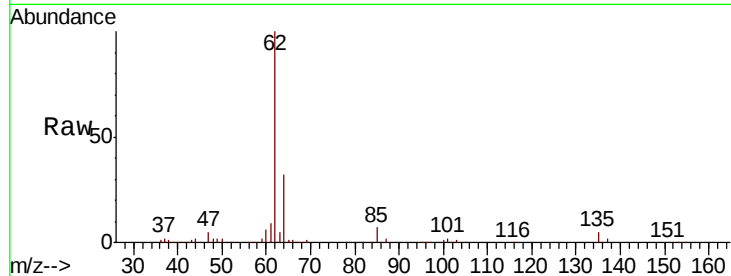
64 32.4 25.9 38.9

Manual Integrations

APPROVED

MMDadoda

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Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0

3.24

500000

400000

300000

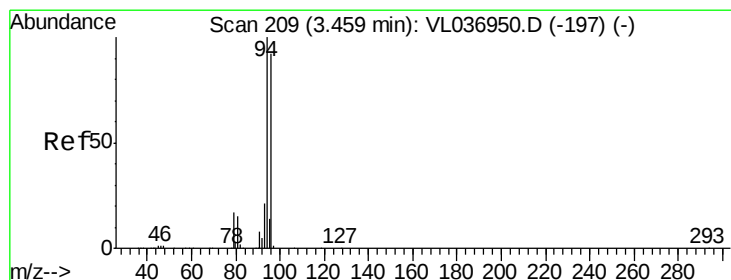
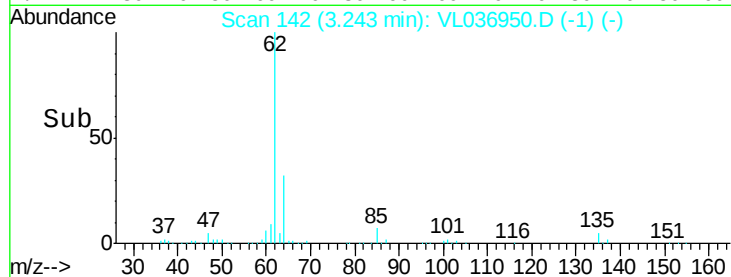
200000

100000

0

3.20 3.25 3.30 3.35

Time-->



#6

Bromomethane

Concen: 9.421 ppbv

RT: 3.46 min Scan# 209

Delta R.T. 0.00 min

Lab File: VL036950.D

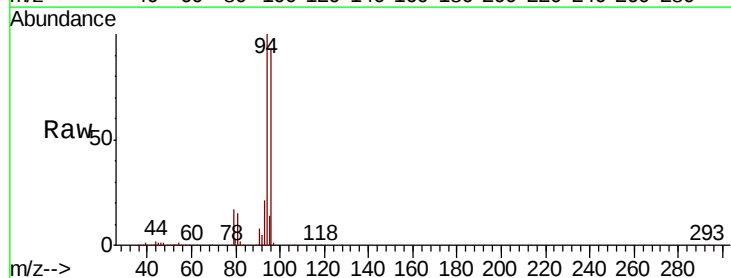
Acq: 18 May 2021 1:58

Tgt Ion: 94 Resp: 459759

Ion Ratio Lower Upper

94 100

96 92.5 74.0 111.0



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0

3.46

250000

200000

150000

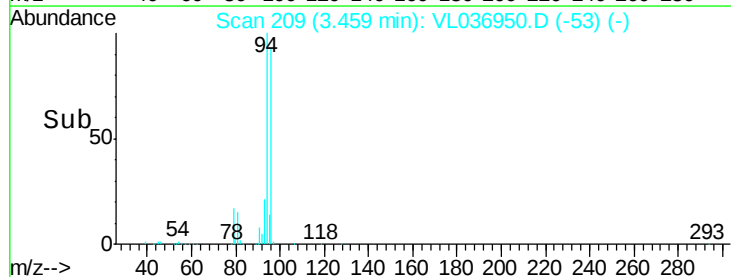
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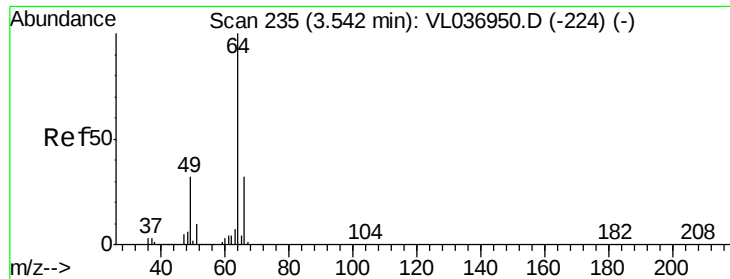
50000

0

3.40 3.45 3.50 3.55

Time-->





#7

Chloroethane

Concen: 9.847 ppbv

RT: 3.54 min Scan# 235

Delta R.T. 0.00 min

Lab File: VL036950.D

Acq: 18 May 2021 1:58

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion: 64 Resp: 306713

Ion Ratio Lower Upper

64 100

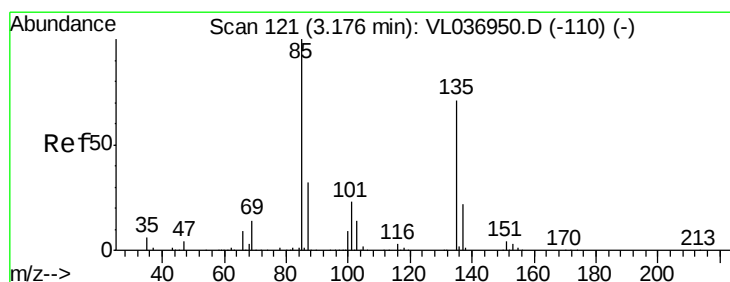
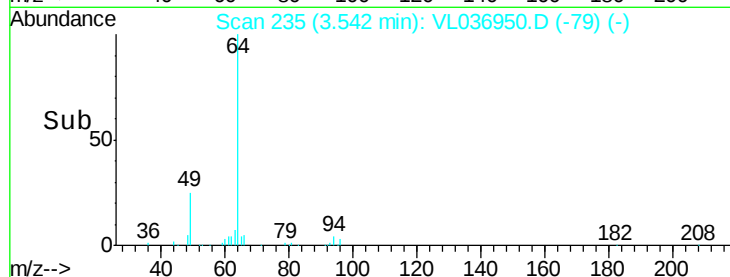
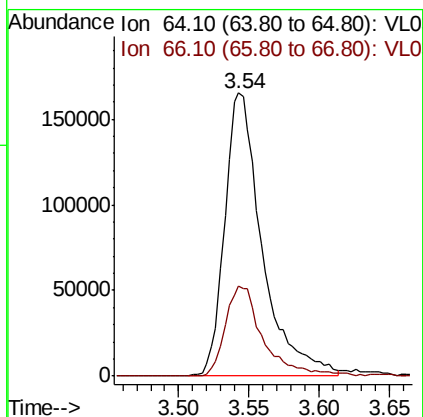
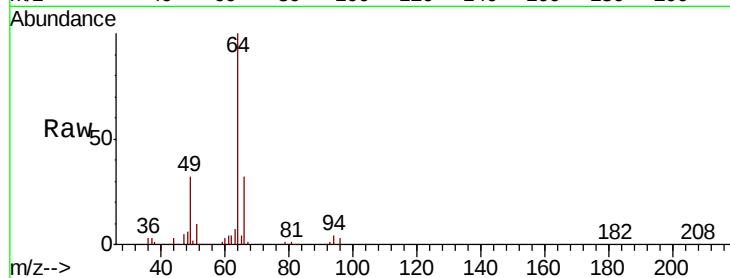
66 31.8 25.4 38.2

Manual Integrations

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#8

Dichlorotetrafluoroethane

Concen: 9.003 ppbv

RT: 3.18 min Scan# 121

Delta R.T. 0.00 min

Lab File: VL036950.D

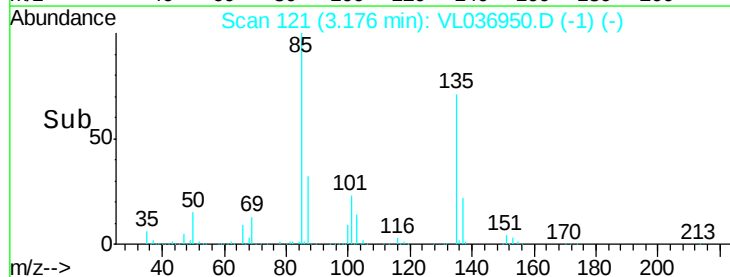
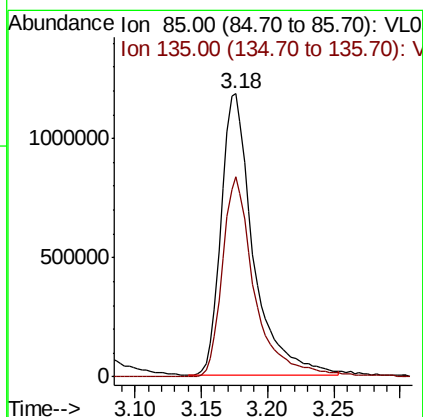
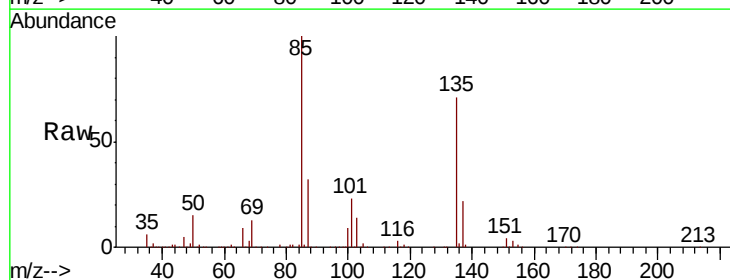
Acq: 18 May 2021 1:58

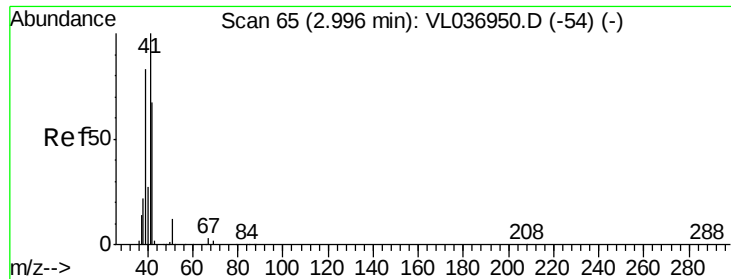
Tgt Ion: 85 Resp: 2002185

Ion Ratio Lower Upper

85 100

135 72.1 57.7 86.5





#9

Propene

Concen: 10.652 ppbv

RT: 3.00 min Scan# 65

Delta R.T. 0.00 min

Lab File: VL036950.D

Acq: 18 May 2021 1:58

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion: 41 Resp: 825125

Ion Ratio Lower Upper

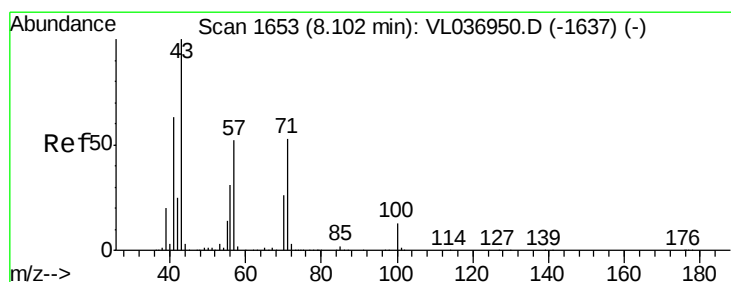
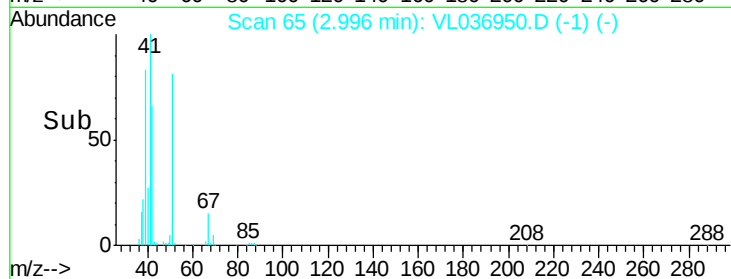
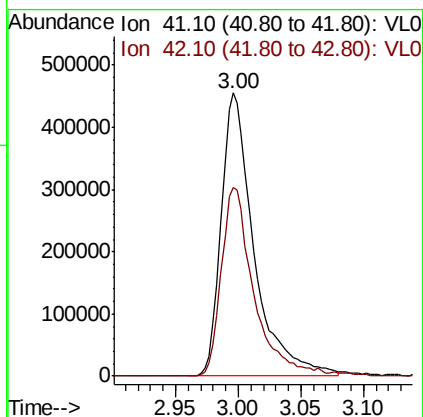
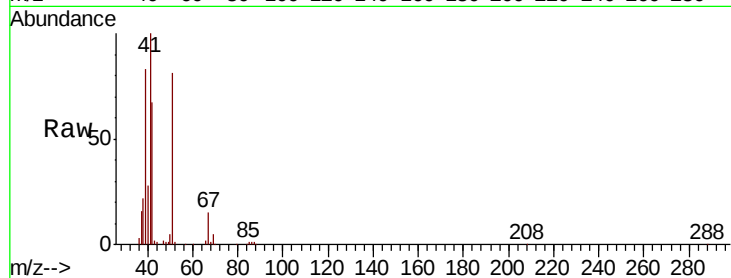
41 100

42 67.4 53.9 80.9

Manual Integrations
APPROVED

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#10

Heptane

Concen: 11.007 ppbv

RT: 8.10 min Scan# 1653

Delta R.T. 0.00 min

Lab File: VL036950.D

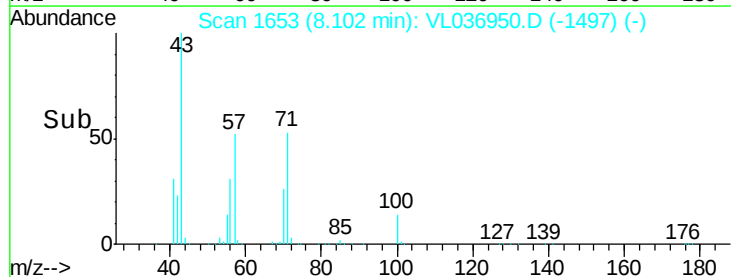
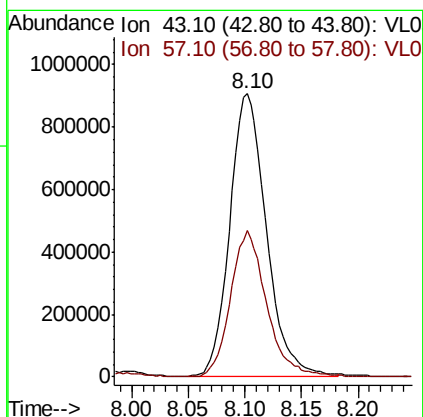
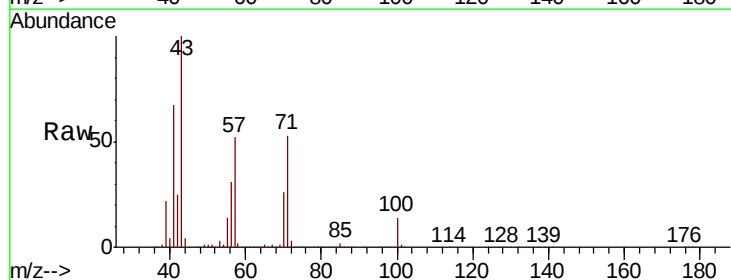
Acq: 18 May 2021 1:58

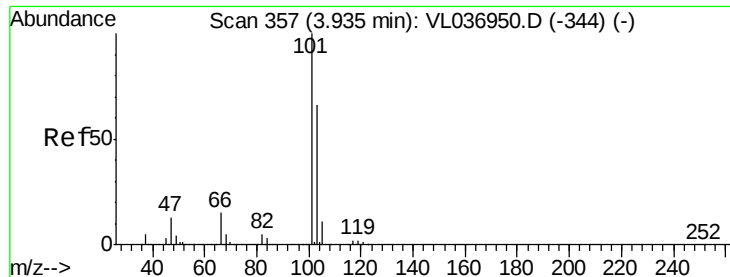
Tgt Ion: 43 Resp: 2029253

Ion Ratio Lower Upper

43 100

57 51.3 41.0 61.6





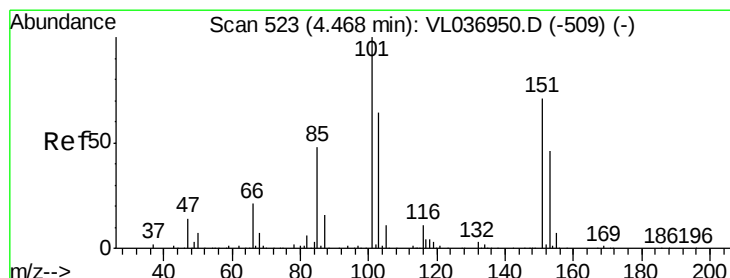
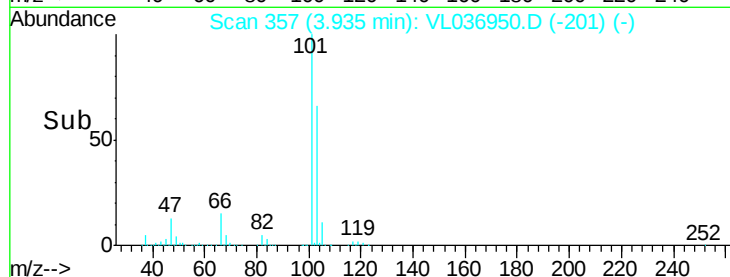
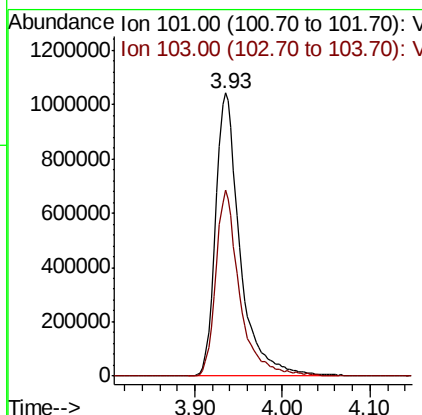
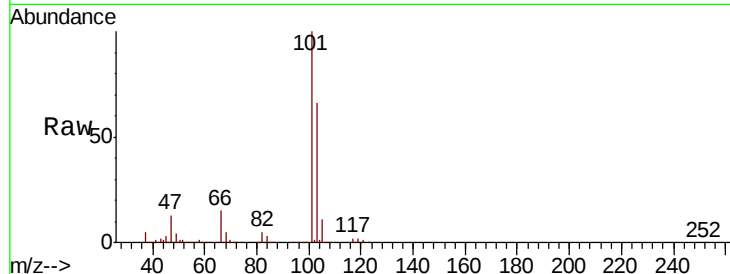
#11
 Trichlorofluoromethane
 Concen: 9.553 ppbv
 RT: 3.93 min Scan# 357
 Delta R.T. 0.00 min
 Lab File: VL036950.D
 Acq: 18 May 2021 1:58

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tot Ion:101 Resp: 2027672
 Ion Ratio Lower Upper
 101 100
 103 65.8 52.6 79.0

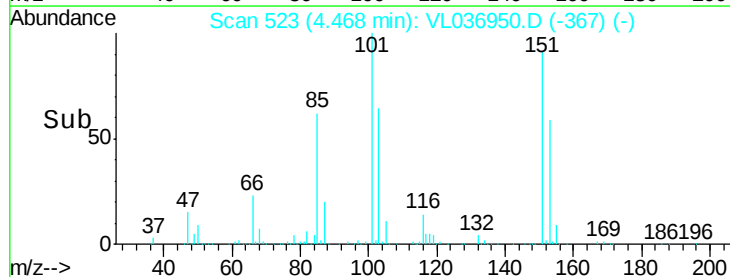
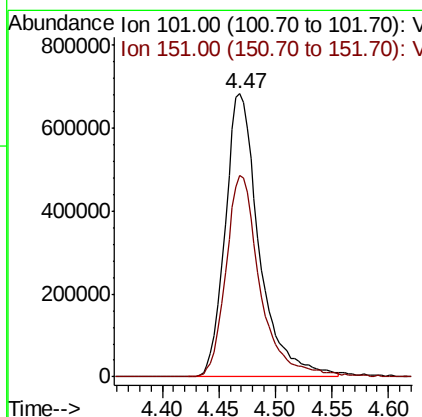
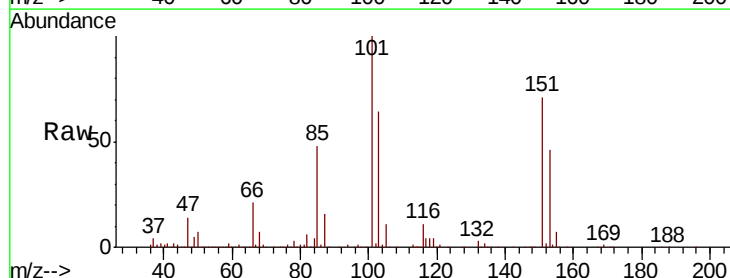
Manual Integrations
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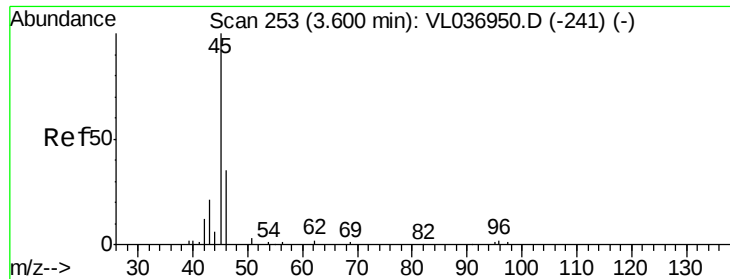
MMDadoda
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#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.997 ppbv
 RT: 4.47 min Scan# 523
 Delta R.T. 0.00 min
 Lab File: VL036950.D
 Acq: 18 May 2021 1:58

Tgt Ion:101 Resp: 1433390
 Ion Ratio Lower Upper
 101 100
 151 72.1 57.7 86.5





#13

Ethanol

Concen: 6.272 ppbv

RT: 3.60 min Scan# 253

Delta R.T. 0.00 min

Lab File: VL036950.D

Acq: 18 May 2021 1:58

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion: 45 Resp: 92215

Ion Ratio Lower Upper

45 100

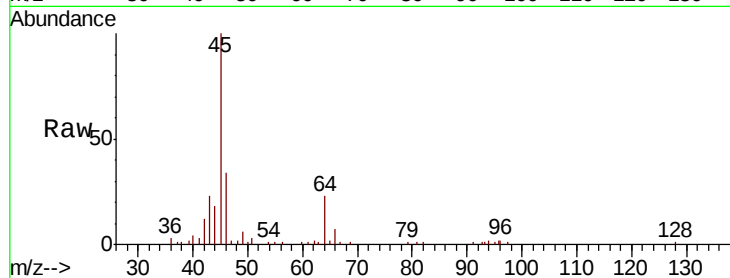
46 40.8 16.3 65.3

Manual Integrations

APPROVED

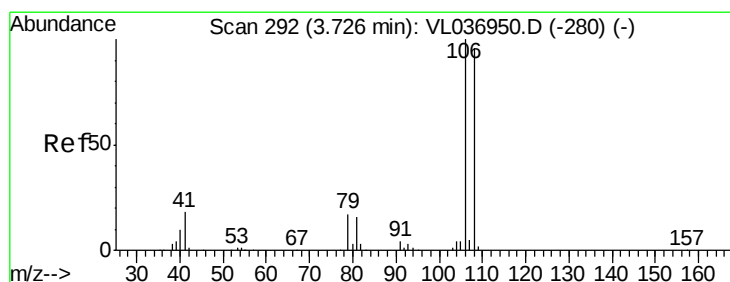
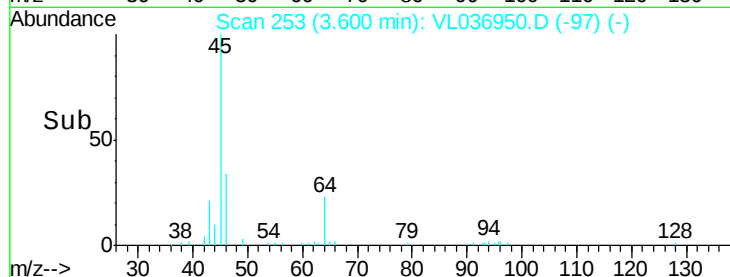
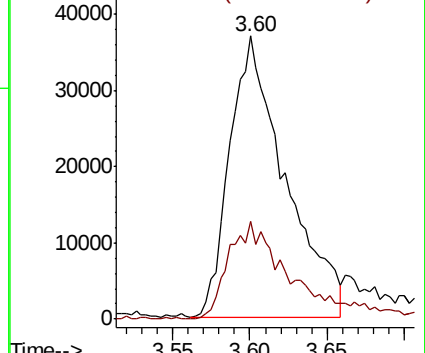
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Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0



#14

Bromoethene

Concen: 11.230 ppbv

RT: 3.73 min Scan# 292

Delta R.T. 0.00 min

Lab File: VL036950.D

Acq: 18 May 2021 1:58

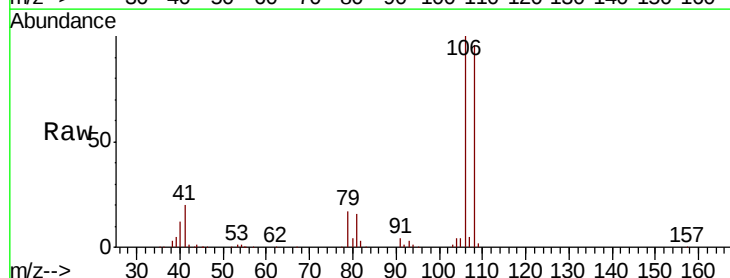
Tgt Ion: 108 Resp: 645966

Ion Ratio Lower Upper

108 100

106 108.1 86.5 129.7

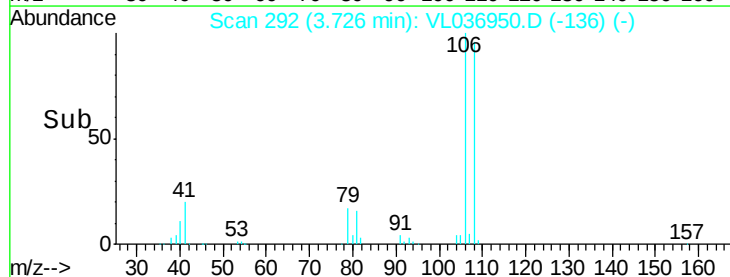
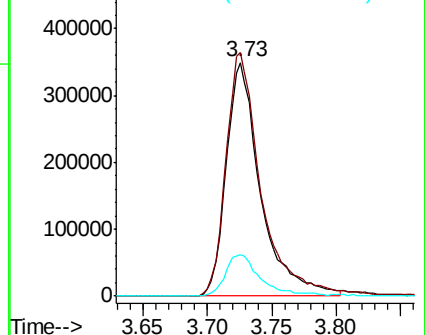
79 18.7 15.0 22.4

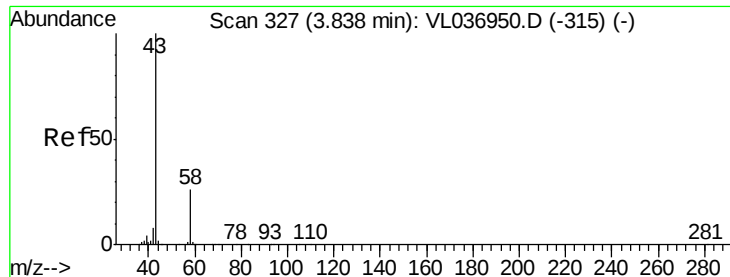


Abundance Ion 108.00 (107.70 to 108.70): V

Ion 106.00 (105.70 to 106.70): V

Ion 79.00 (78.70 to 79.70): VL0





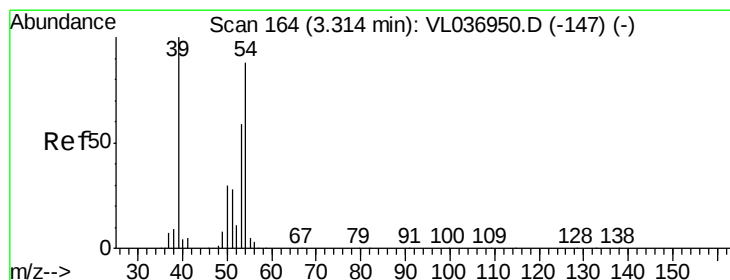
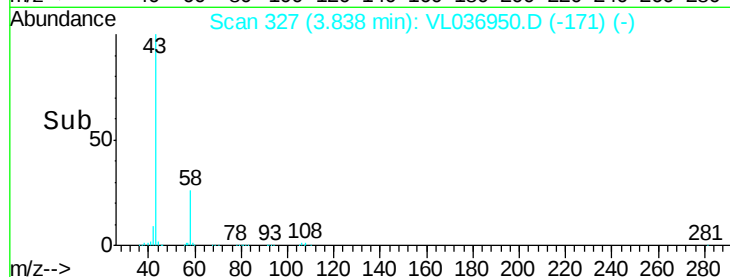
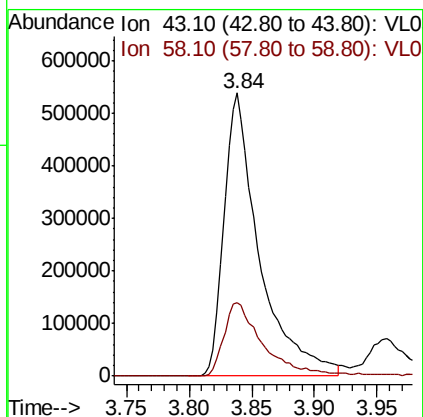
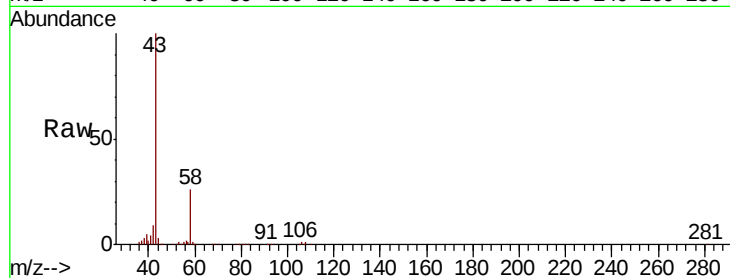
#15
Acetone
Concen: 8.115 ppbv
RT: 3.84 min Scan# 327
Delta R.T. 0.00 min
Lab File: VL036950.D
Acq: 18 May 2021 1:58

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion: 43 Resp: 1053476
Ion Ratio Lower Upper
43 100
58 30.0 24.0 36.0

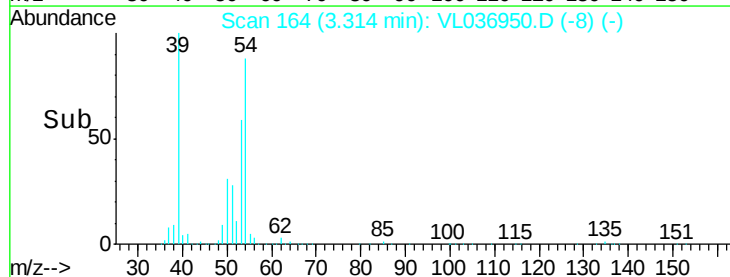
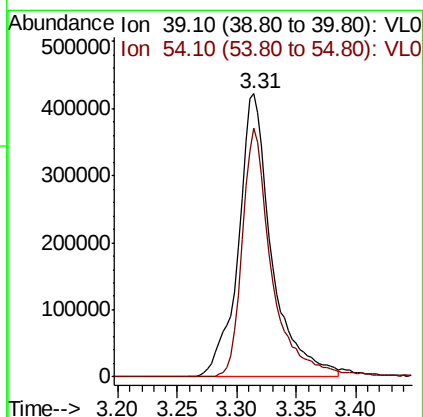
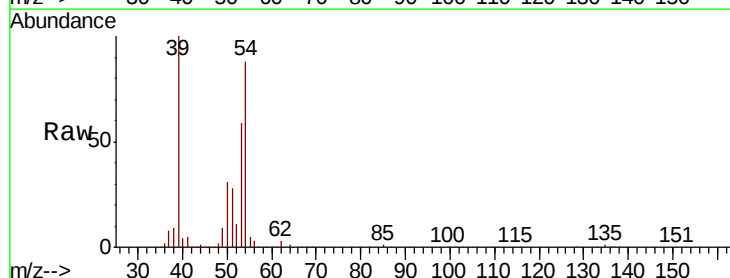
Manual Integrations
APPROVED

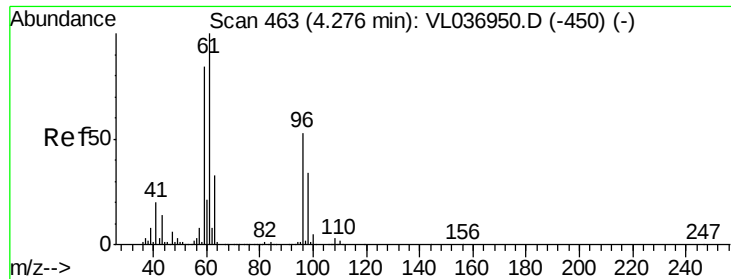
MMDadoda
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#16
1,3-Butadiene
Concen: 9.752 ppbv
RT: 3.31 min Scan# 164
Delta R.T. 0.00 min
Lab File: VL036950.D
Acq: 18 May 2021 1:58

Tgt Ion: 39 Resp: 818970
Ion Ratio Lower Upper
39 100
54 79.0 63.2 94.8





#17

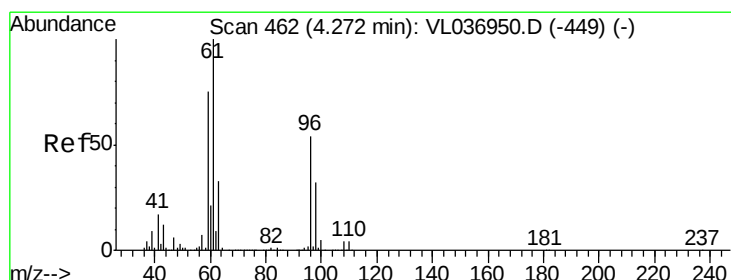
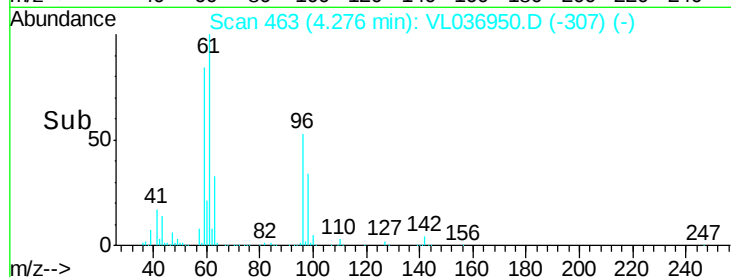
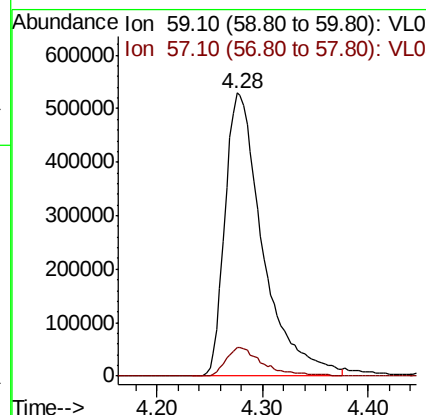
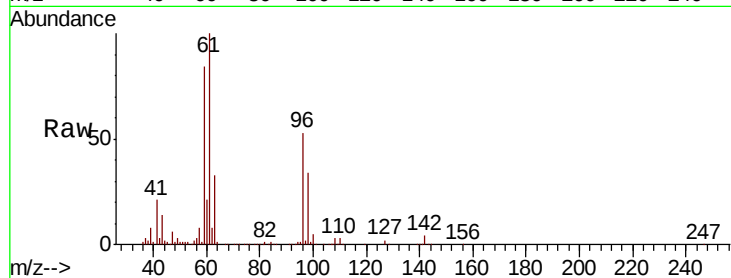
tert-Butyl alcohol
Concen: 10.961 ppbv
RT: 4.28 min Scan# 463
Delta R.T. 0.00 min
Lab File: VL036950.D
Acq: 18 May 2021 1:58

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion: 59 Resp: 1315074
Ion Ratio Lower Upper
59 100
57 10.4 8.3 12.5

Manual Integrations
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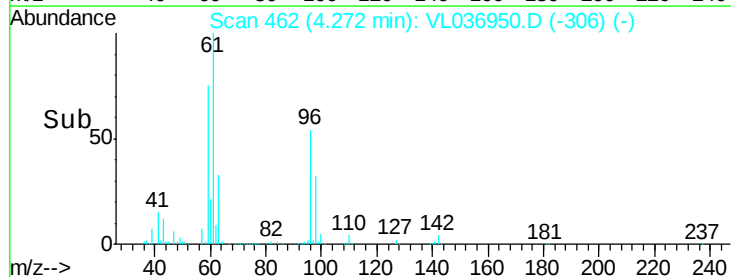
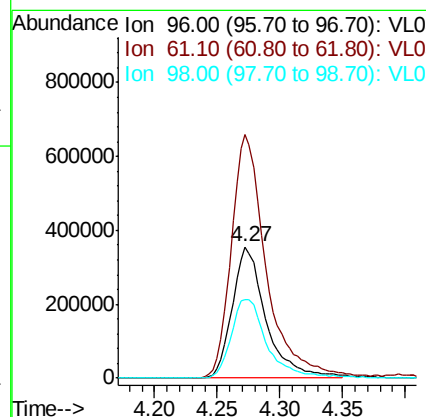
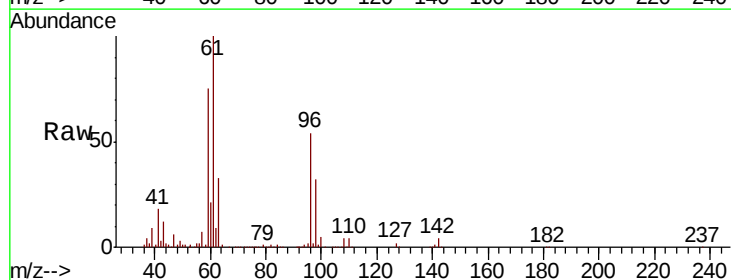
MMDadoda
5/20/2021 5:54:12 PM

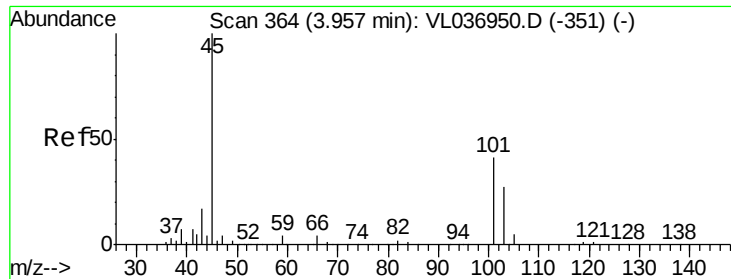


#18

1,1-Dichloroethene
Concen: 11.249 ppbv
RT: 4.27 min Scan# 462
Delta R.T. 0.00 min
Lab File: VL036950.D
Acq: 18 May 2021 1:58

Tgt Ion: 96 Resp: 662793
Ion Ratio Lower Upper
96 100
61 185.3 148.2 222.4
98 59.7 47.8 71.6





#19

Isopropyl Alcohol

Concen: 9.200 ppbv

RT: 3.96 min Scan# 364

Delta R.T. 0.00 min

Lab File: VL036950.D

Acq: 18 May 2021 1:58

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion: 45 Resp: 680407

Ion Ratio Lower Upper

45 100

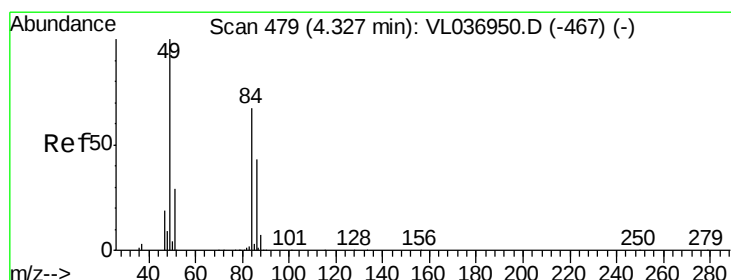
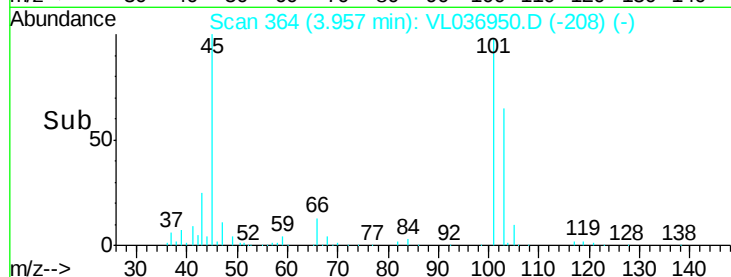
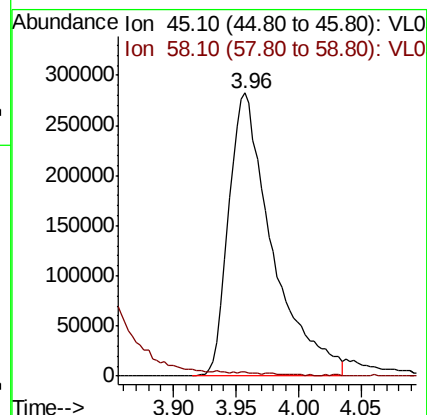
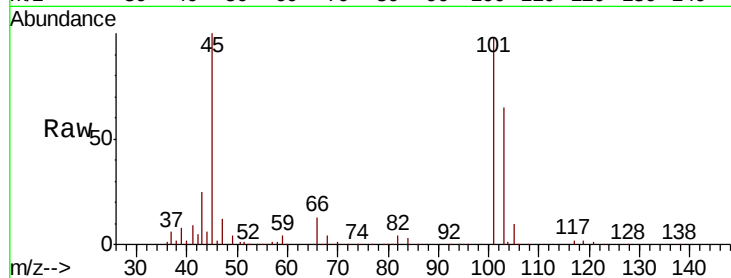
58 46.0 37.2 55.8

Manual Integrations

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#20

Methylene Chloride

Concen: 5.498 ppbv m

RT: 4.33 min Scan# 479

Delta R.T. 0.00 min

Lab File: VL036950.D

Acq: 18 May 2021 1:58

Tgt Ion: 84 Resp: 582703

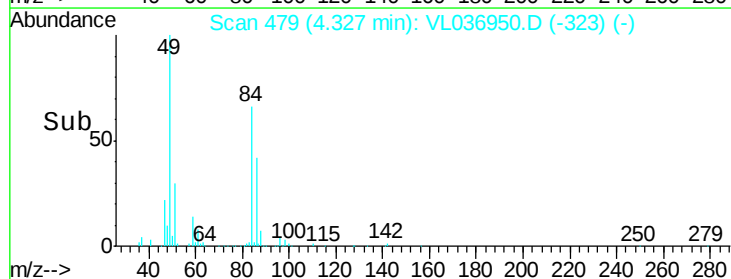
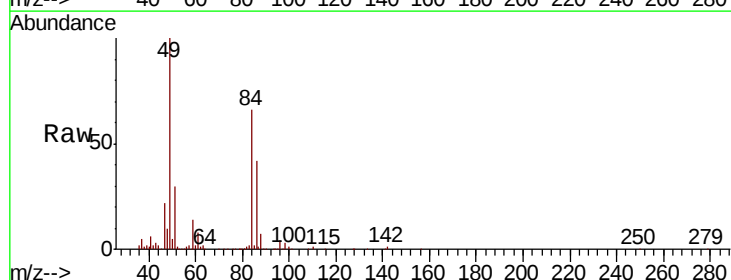
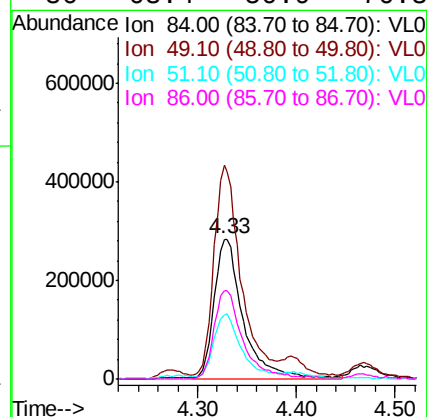
Ion Ratio Lower Upper

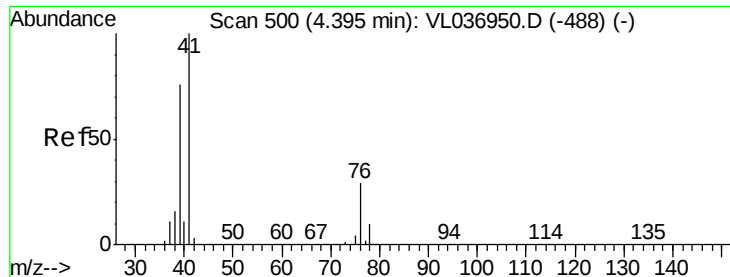
84 100

49 152.6 119.8 179.6

51 46.2 35.1 52.7

86 63.4 50.9 76.3





#21

Allvl Chloride

Concen: 10.452 ppbv

RT: 4.39 min Scan# 500

Delta R.T. 0.00 min

Lab File: VL036950.D

Acq: 18 May 2021 1:58

Instrument :

MSVOA_L

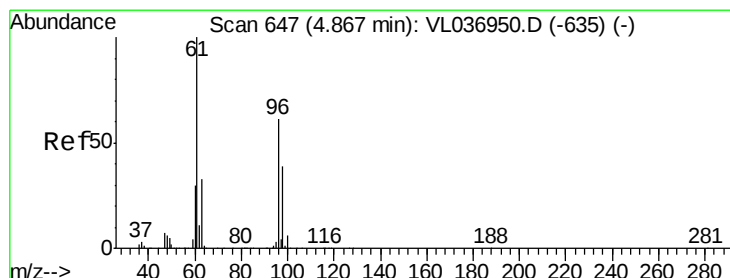
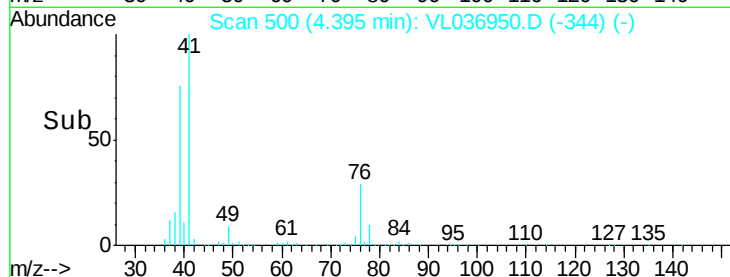
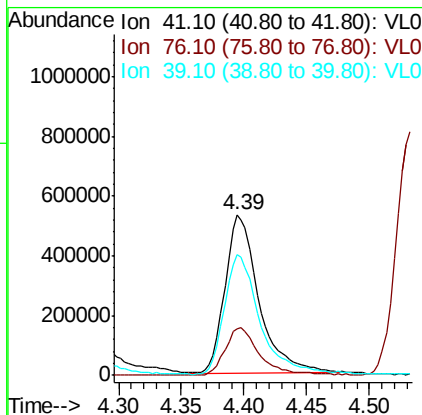
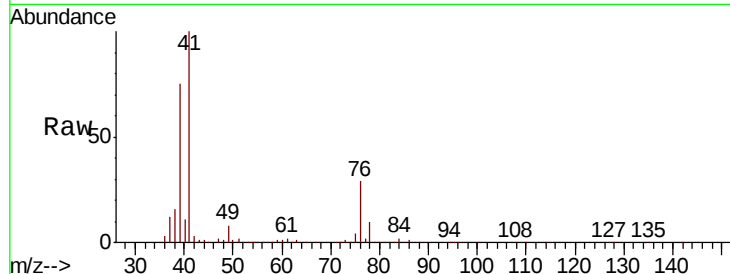
ClientSampleId :

VSTDICCC010

Tot Ion:	41	Resp:	998963
Ion Ratio	Lower	Upper	
41	100		
76	31.1	24.9	37.3
39	82.5	63.7	95.5

Manual Integrations
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#22

trans-1,2-Dichloroethene

Concen: 10.500 ppbv

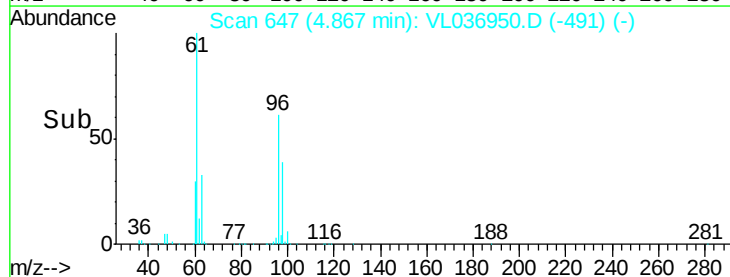
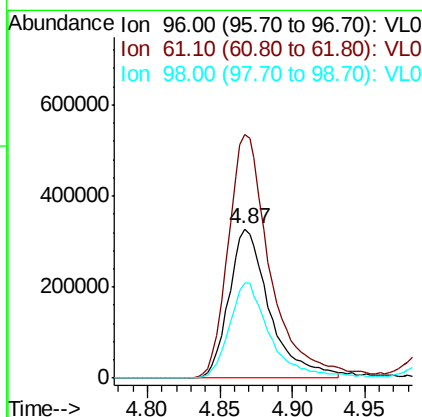
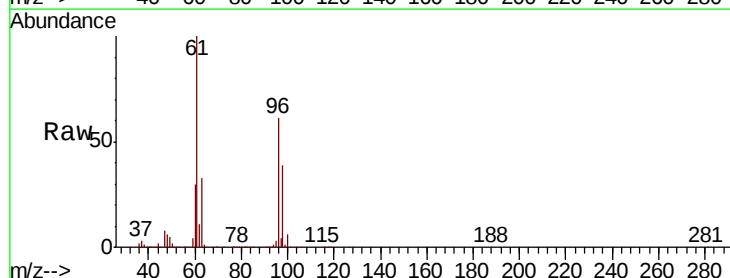
RT: 4.87 min Scan# 647

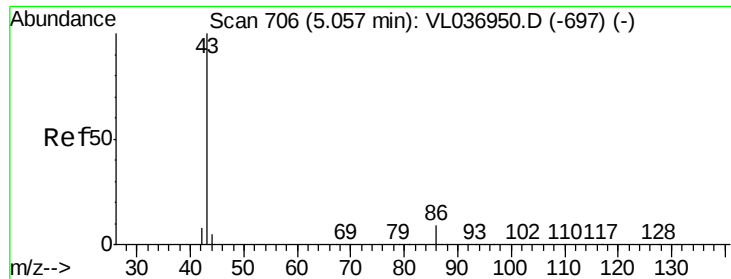
Delta R.T. 0.00 min

Lab File: VL036950.D

Acq: 18 May 2021 1:58

Tgt Ion:	96	Resp:	634613
Ion Ratio	Lower	Upper	
96	100		
61	163.3	130.6	196.0
98	63.5	50.8	76.2





#23

Vinyl Acetate

Concen: 11.795 ppbv

RT: 5.06 min Scan# 706

Delta R.T. 0.00 min

Lab File: VL036950.D

Acq: 18 May 2021 1:58

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion: 43 Resp: 2177408

Ion Ratio Lower Upper

43 100

86 7.3 5.8 8.8

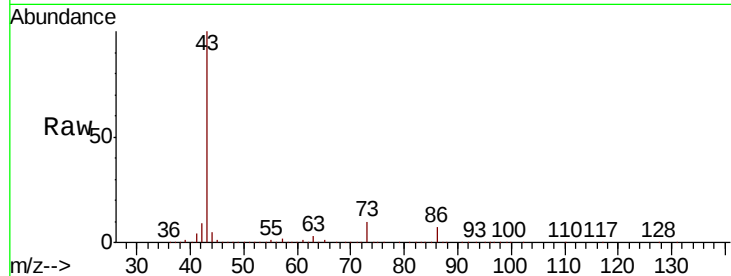
42 9.3 7.4 11.2

44 4.1 3.3 4.9

Manual Integrations
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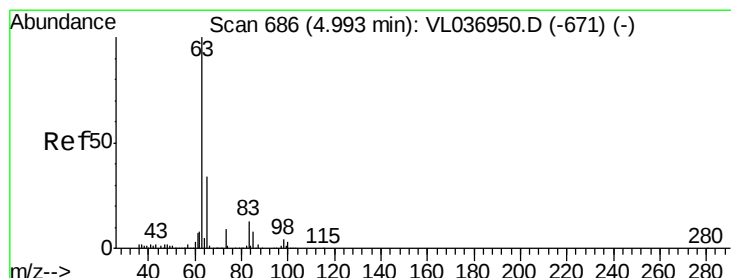
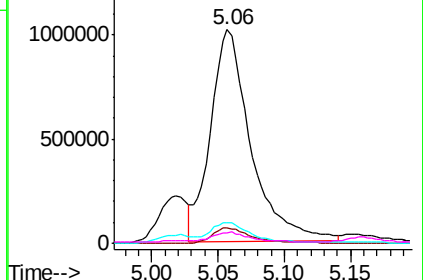
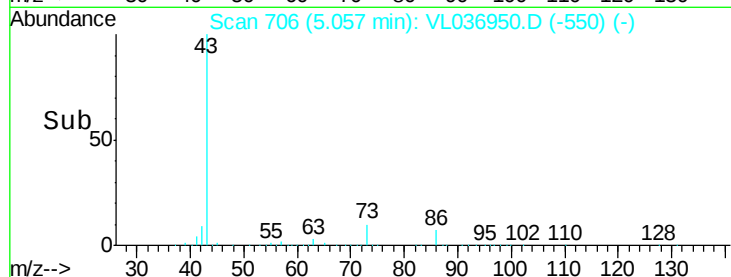


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 11.165 ppbv

RT: 4.99 min Scan# 686

Delta R.T. 0.00 min

Lab File: VL036950.D

Acq: 18 May 2021 1:58

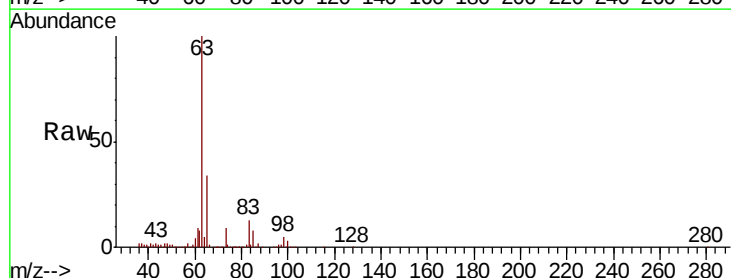
Tgt Ion: 63 Resp: 1566217

Ion Ratio Lower Upper

63 100

98 4.6 2.3 6.9

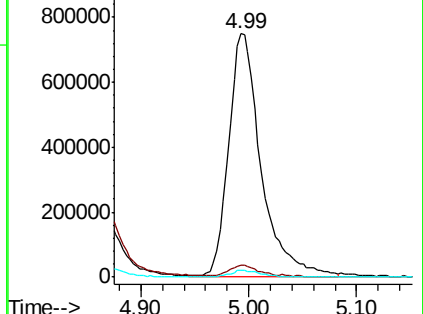
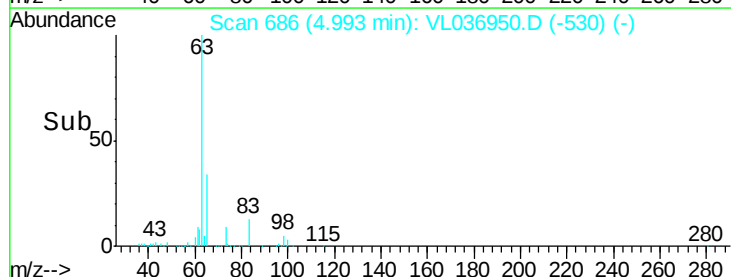
100 2.7 1.4 4.0

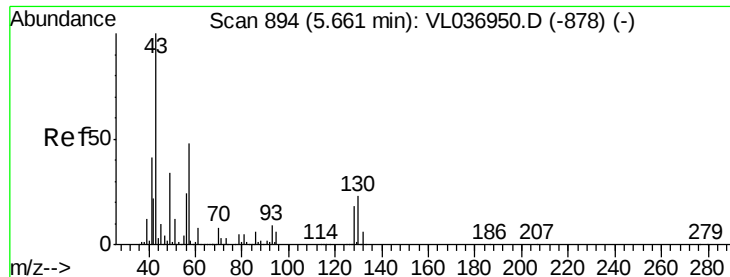


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0





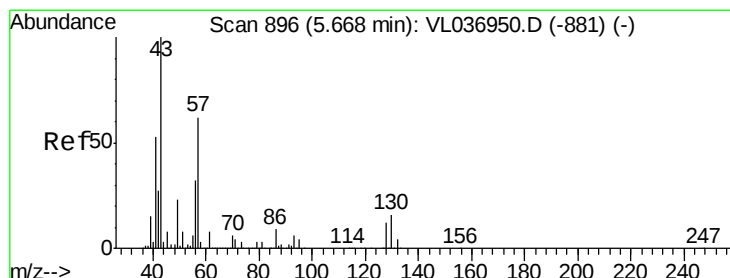
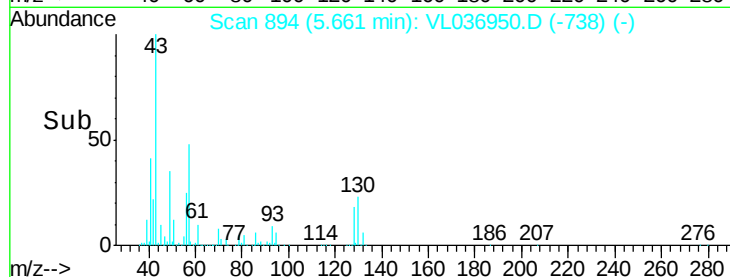
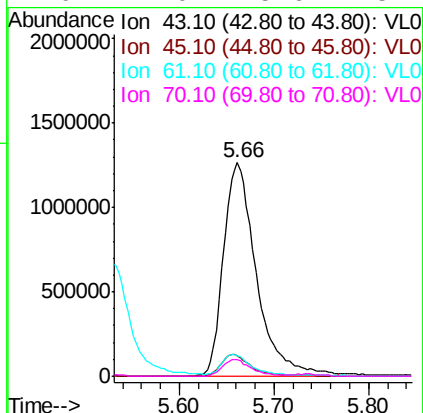
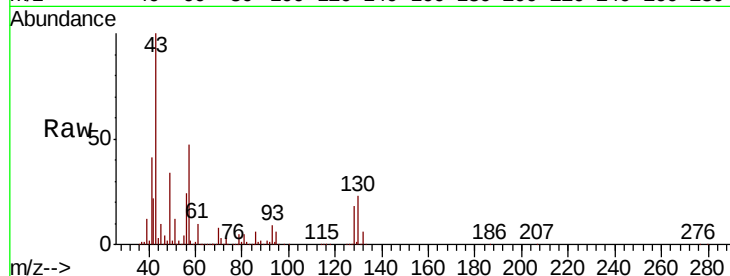
#25
Ethyl Acetate
Concen: 9.483 ppbv
RT: 5.66 min Scan# 894
Delta R.T. 0.00 min
Lab File: VL036950.D
Acq: 18 May 2021 1:58

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion	43	Resp	3041316
Ion	Ratio	Lower	Upper
43	100		
45	9.9	7.8	11.8
61	9.7	7.8	11.8
70	7.0	5.6	8.4

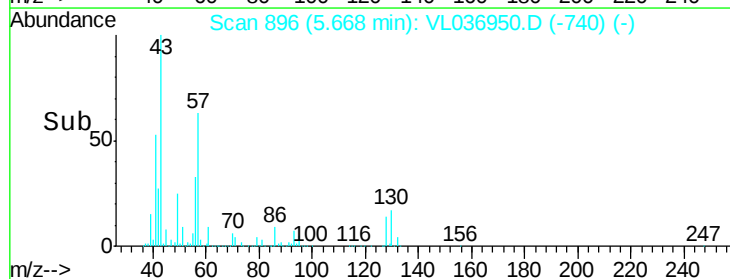
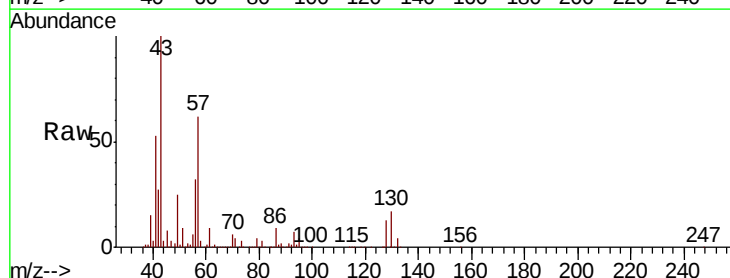
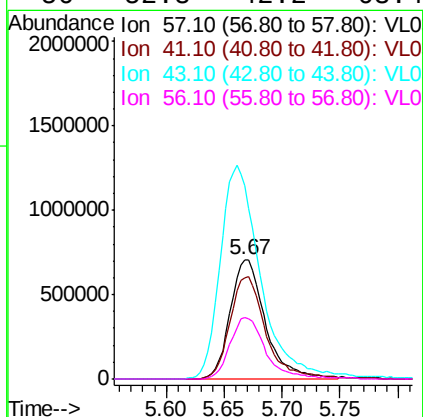
Manual Integrations
APPROVED

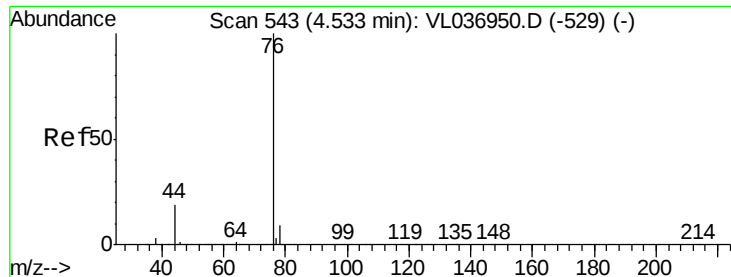
MMDadoda
5/20/2021 5:54:12 PM



#26
Hexane
Concen: 9.033 ppbv
RT: 5.67 min Scan# 896
Delta R.T. 0.00 min
Lab File: VL036950.D
Acq: 18 May 2021 1:58

Tgt Ion	57	Resp	1487837
Ion	Ratio	Lower	Upper
57	100		
41	88.3	70.5	105.7
43	207.3	165.8	248.8
56	52.8	42.2	63.4





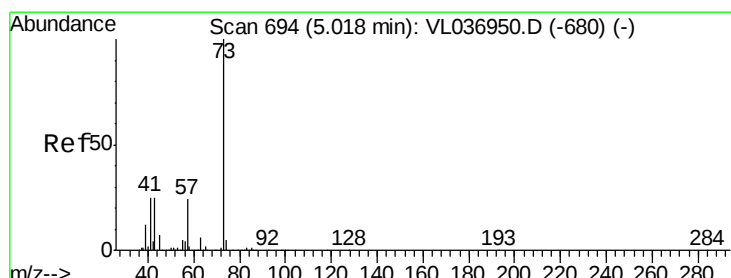
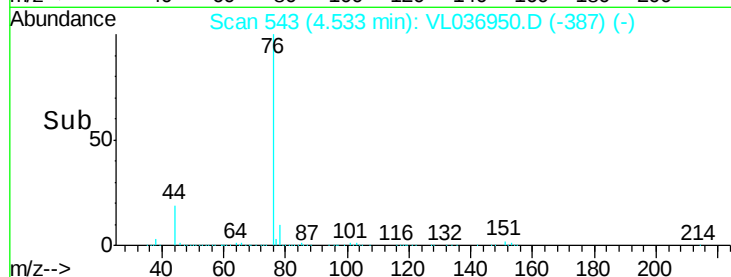
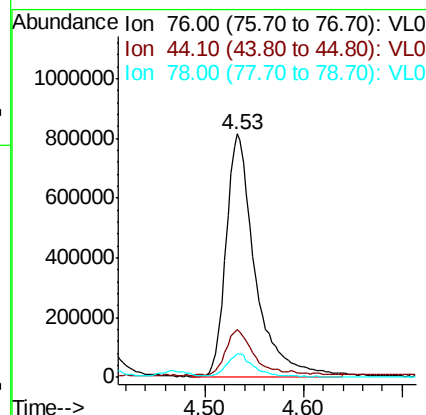
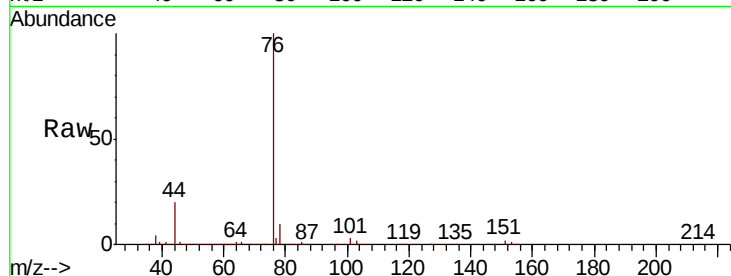
#27
Carbon Disulfide
Concen: 11.527 ppbv
RT: 4.53 min Scan# 543
Delta R.T. 0.00 min
Lab File: VL036950.D
Acq: 18 May 2021 1:58

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion	Ratio	Lower	Upper
76	100		
44	19.6	15.5	23.3
78	9.8	7.8	11.6

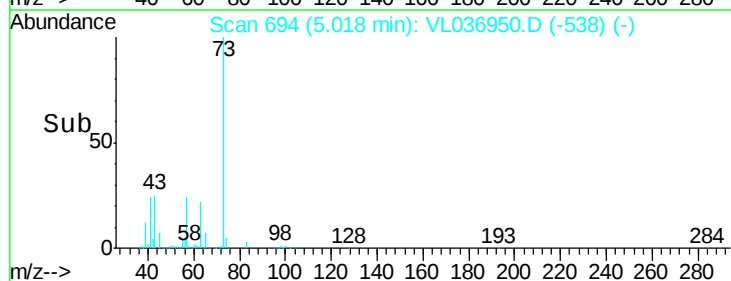
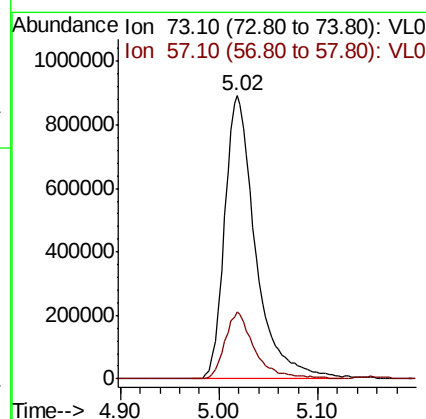
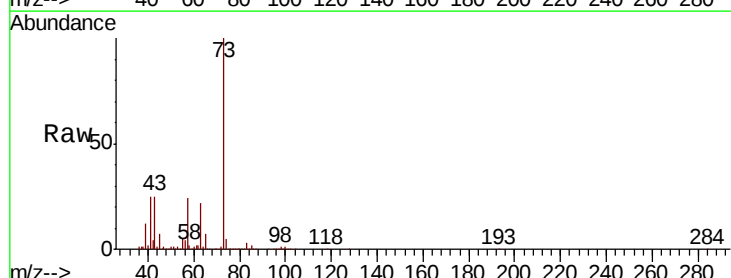
Manual Integrations
APPROVED

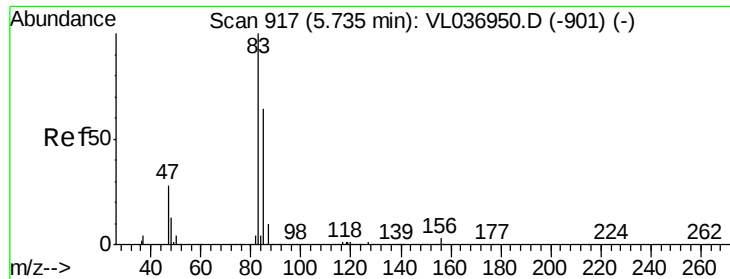
MMDadoda
5/20/2021 5:54:12 PM



#28
Methyl tert-Butyl Ether
Concen: 12.280 ppbv
RT: 5.02 min Scan# 694
Delta R.T. 0.00 min
Lab File: VL036950.D
Acq: 18 May 2021 1:58

Tgt Ion	Ratio	Lower	Upper
73	100		
57	22.9	18.3	27.5





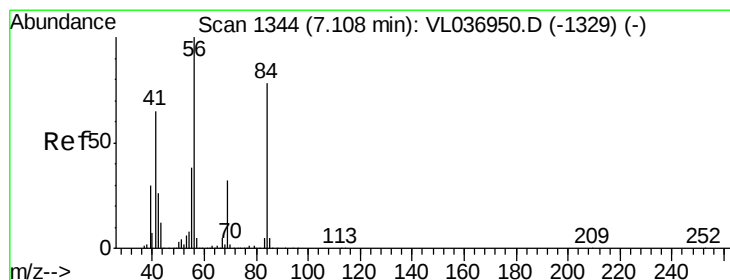
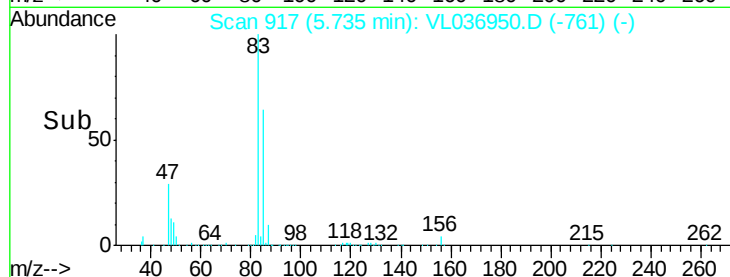
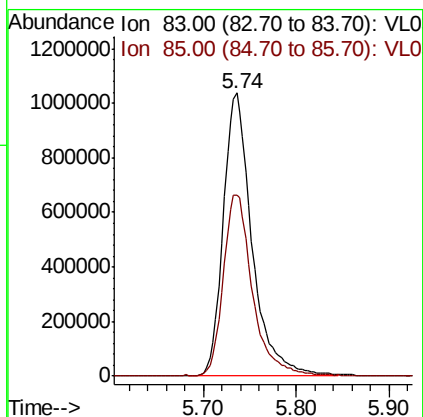
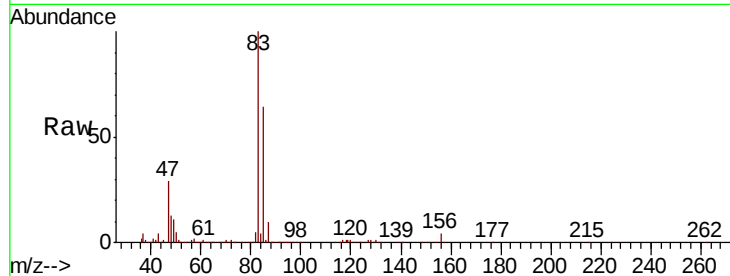
#29
Chloroform
Concen: 9.058 ppbv
RT: 5.74 min Scan# 917
Delta R.T. 0.00 min
Lab File: VL036950.D
Acq: 18 May 2021 1:58

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion: 83 Resp: 2238544
Ion Ratio Lower Upper
83 100
85 63.9 51.1 76.7

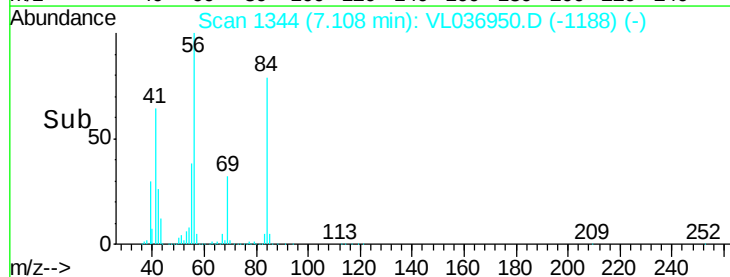
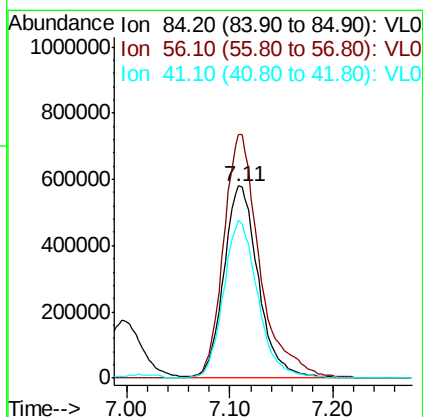
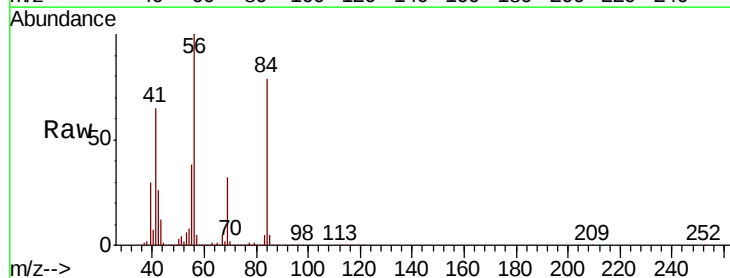
Manual Integrations
APPROVED

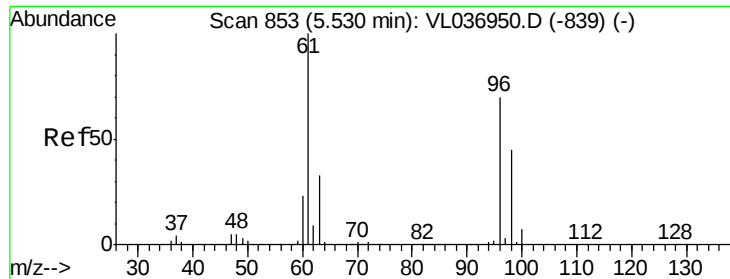
MMDadoda
5/20/2021 5:54:12 PM



#30
Cyclohexane
Concen: 10.633 ppbv
RT: 7.11 min Scan# 1344
Delta R.T. 0.00 min
Lab File: VL036950.D
Acq: 18 May 2021 1:58

Tgt Ion: 84 Resp: 1339599
Ion Ratio Lower Upper
84 100
56 135.0 107.9 161.9
41 82.0 65.5 98.3





#31

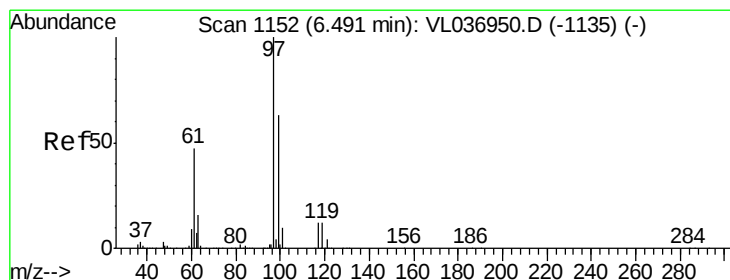
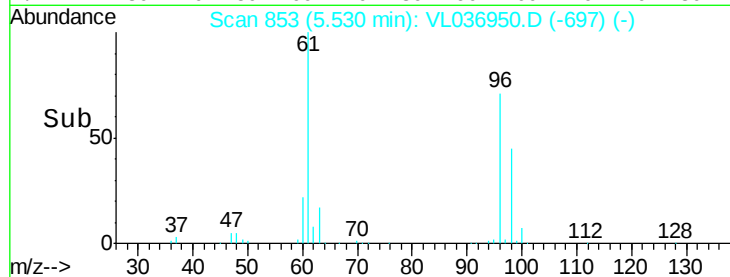
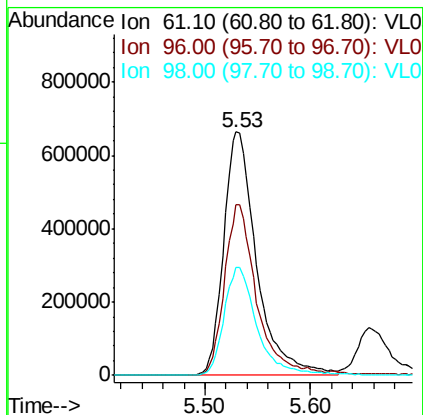
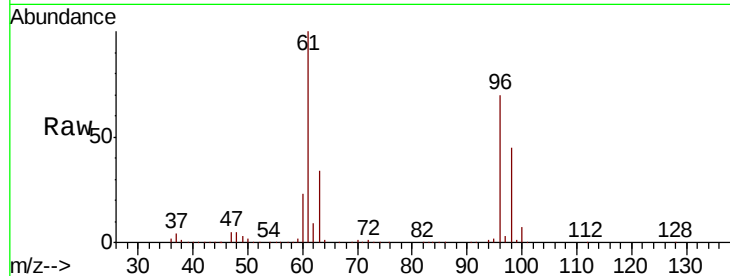
cis-1,2-Dichloroethene
Concen: 11.139 ppbv
RT: 5.53 min Scan# 853
Delta R.T. 0.00 min
Lab File: VL036950.D
Acq: 18 May 2021 1:58

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion	Ratio	Lower	Upper
61	100		
96	69.9	55.9	83.9
98	44.5	35.6	53.4

Manual Integrations
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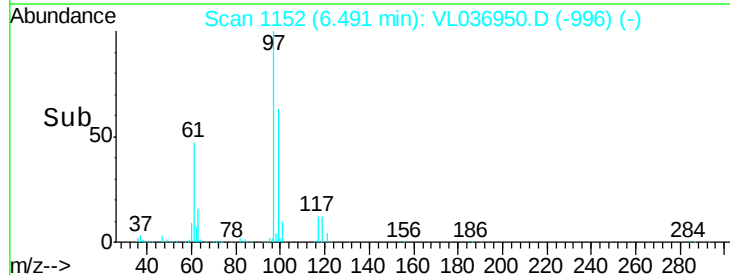
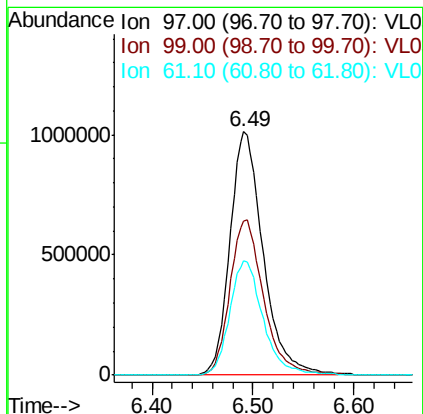
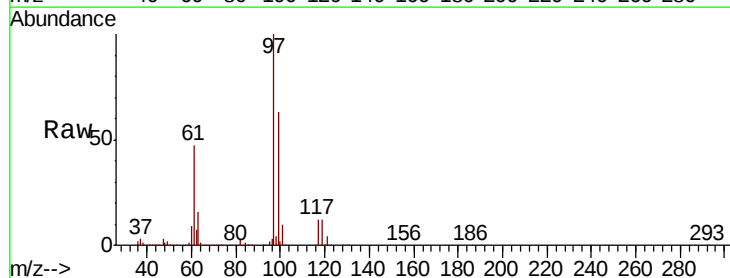
MMDadoda
5/20/2021 5:54:12 PM

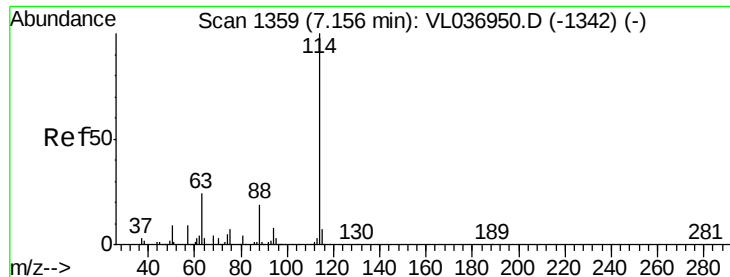


#32

1,1,1-Trichloroethane
Concen: 8.823 ppbv
RT: 6.49 min Scan# 1152
Delta R.T. 0.00 min
Lab File: VL036950.D
Acq: 18 May 2021 1:58

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.9	51.9	77.9
61	47.0	37.6	56.4





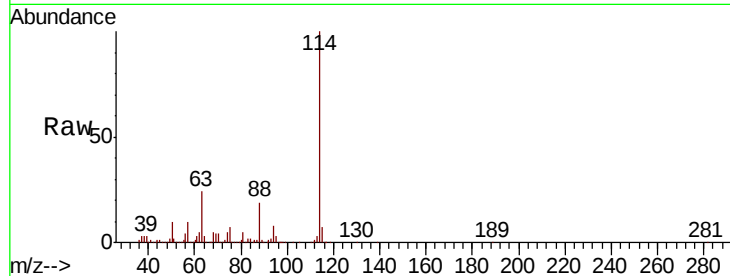
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.16 min Scan# 1359
 Delta R.T. 0.00 min
 Lab File: VL036950.D
 Acq: 18 May 2021 1:58

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

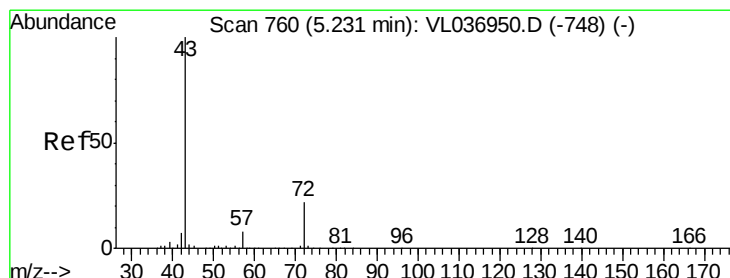
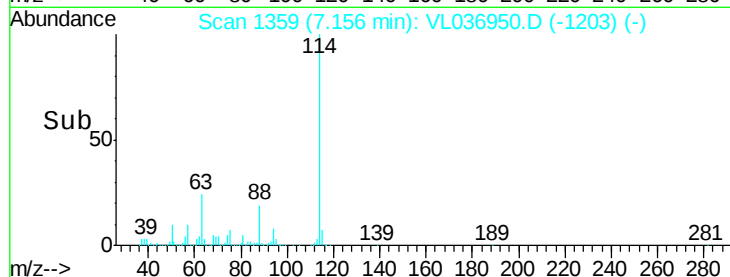
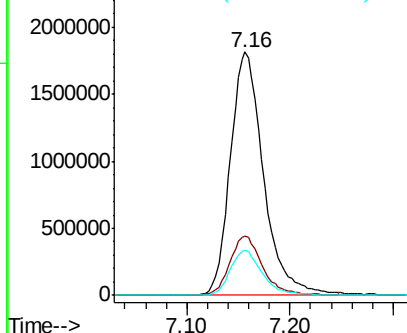
Tot Ion	Ratio	Lower	Upper
114	100		
63	24.7	19.6	29.4
88	18.2	14.6	21.8

Manual Integrations
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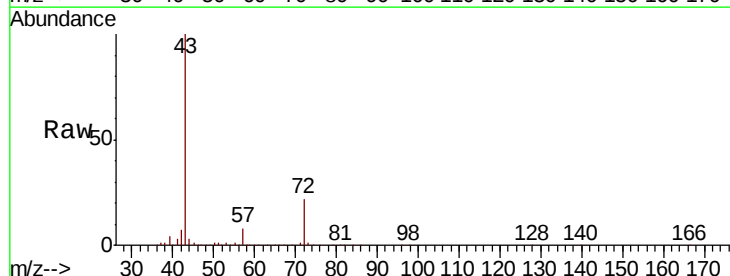


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

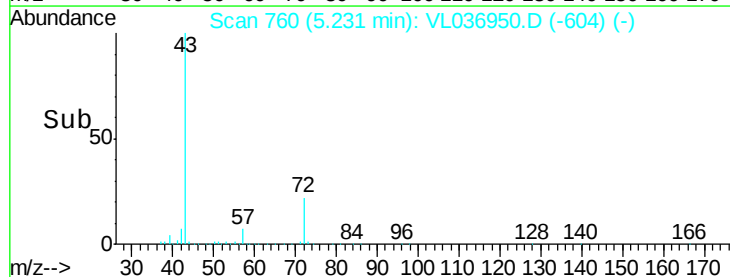
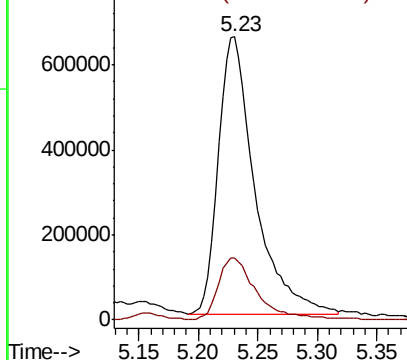


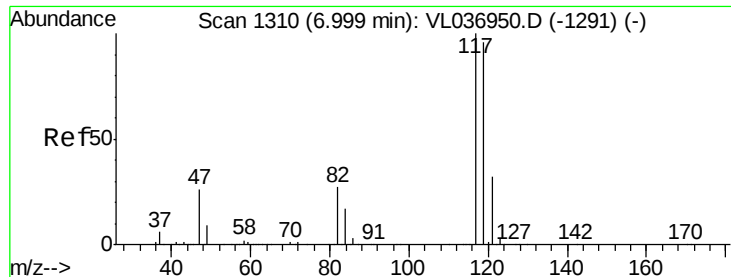
#34
 2-Butanone
 Concen: 8.942 ppbv
 RT: 5.23 min Scan# 760
 Delta R.T. 0.00 min
 Lab File: VL036950.D
 Acq: 18 May 2021 1:58

Tgt Ion	Ratio	Lower	Upper
43	100		
72	23.7	19.0	28.4



Abundance Ion 43.10 (42.80 to 43.80): VL0
 Ion 72.10 (71.80 to 72.80): VL0





#35

Carbon Tetrachloride

Concen: 7.455 ppbv

RT: 7.00 min Scan# 1310

Delta R.T. 0.00 min

Lab File: VL036950.D

Acq: 18 May 2021 1:58

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion:117 Resp: 2373345

Ion Ratio Lower Upper

117 100

119 95.7 76.6 114.8

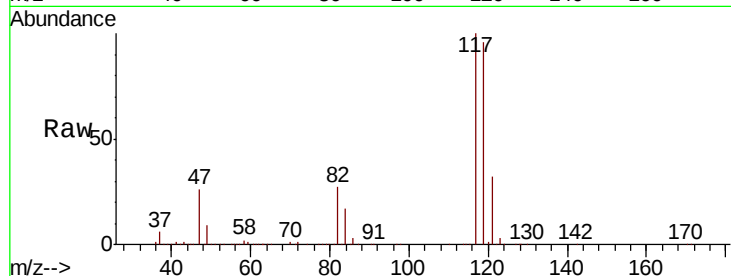
121 32.2 25.8 38.6

Manual Integrations

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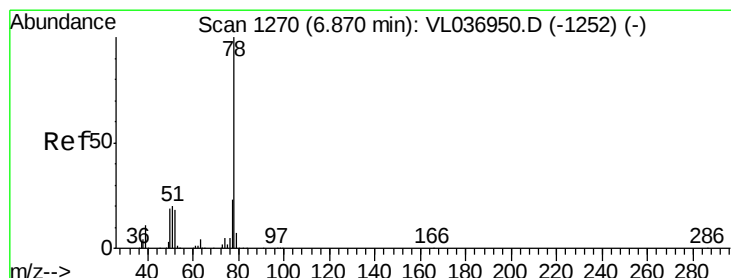
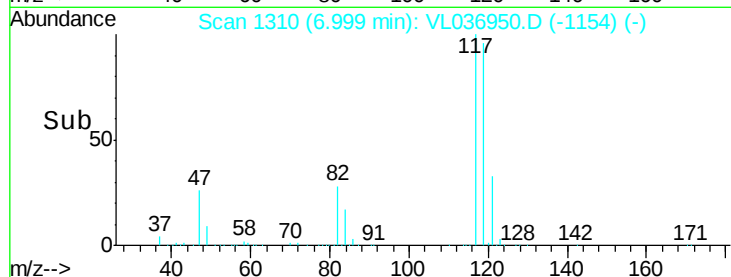
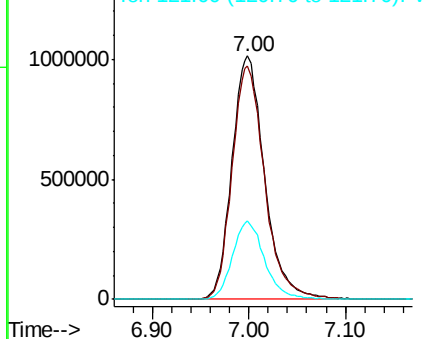
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Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#36

Benzene

Concen: 9.691 ppbv

RT: 6.87 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VL036950.D

Acq: 18 May 2021 1:58

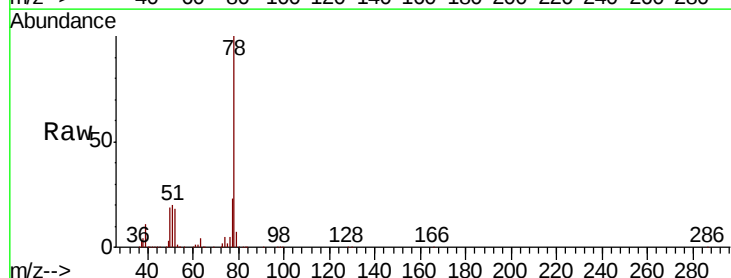
Tgt Ion: 78 Resp: 3170651

Ion Ratio Lower Upper

78 100

77 23.3 18.6 28.0

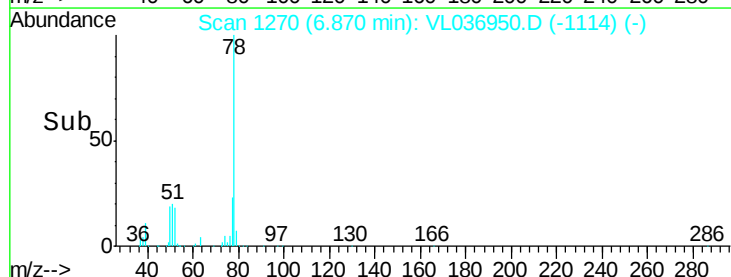
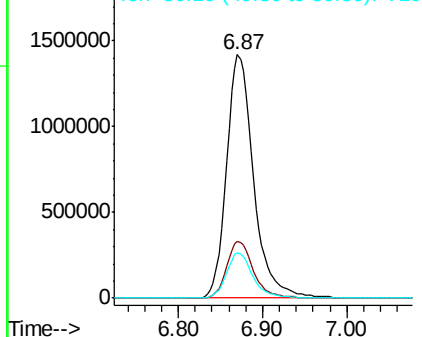
50 18.7 15.0 22.4

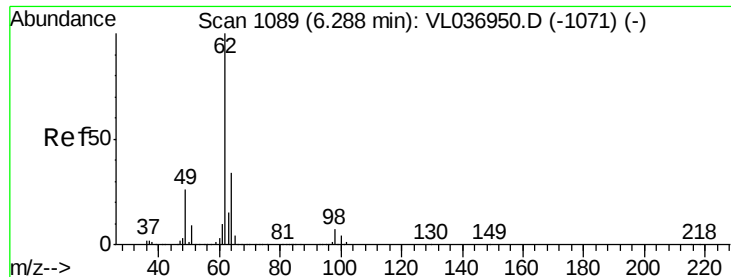


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0





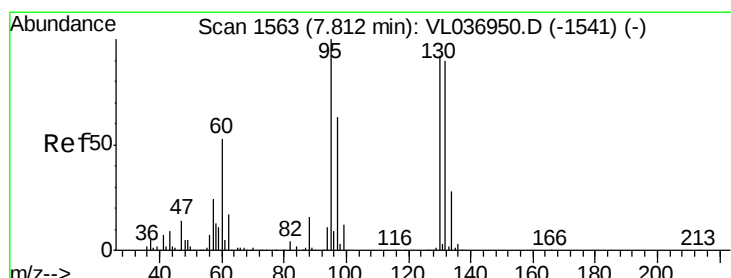
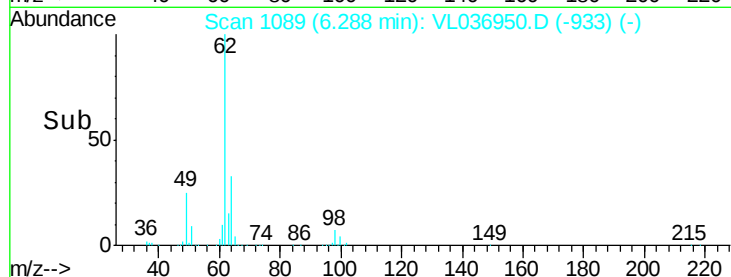
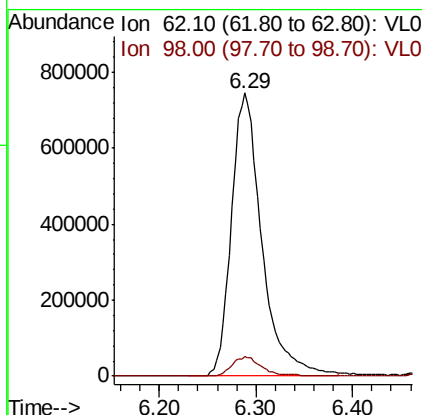
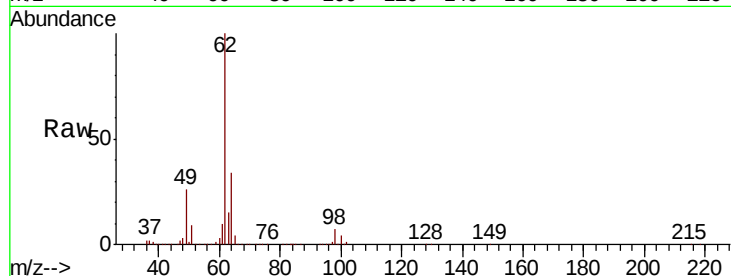
#37
1,2-Dichloroethane
Concen: 8.400 ppbv
RT: 6.29 min Scan# 1089
Delta R.T. 0.00 min
Lab File: VL036950.D
Acq: 18 May 2021 1:58

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion	Ratio	Lower	Upper
62	100		
98	6.9	5.5	8.3

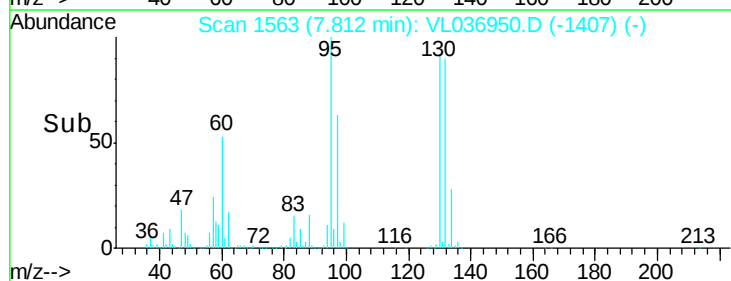
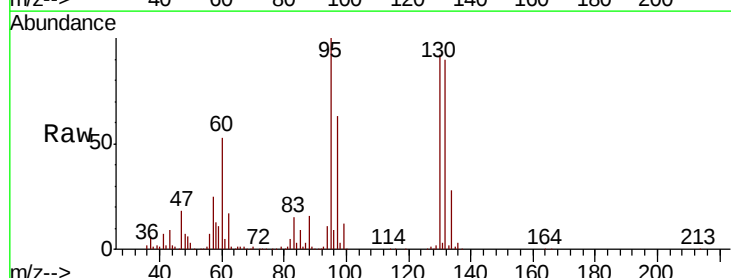
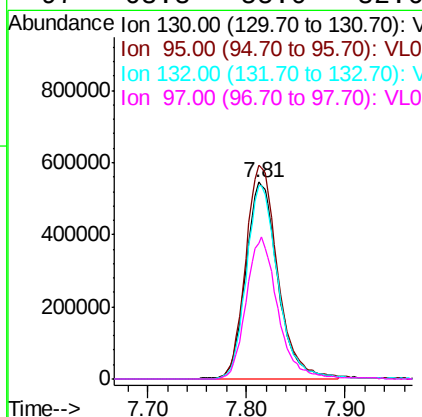
Manual Integrations
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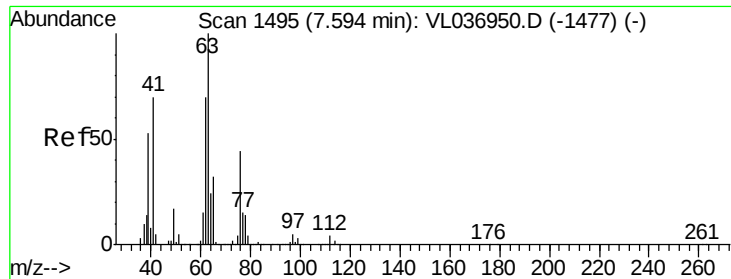
MMDadoda
5/20/2021 5:54:12 PM



#38
Trichloroethene
Concen: 9.137 ppbv
RT: 7.81 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VL036950.D
Acq: 18 May 2021 1:58

Tgt Ion	Ratio	Lower	Upper
130	100		
95	108.6	86.9	130.3
132	98.0	78.4	117.6
97	68.8	55.0	82.6





#39

1,2-Dichloropropane

Concen: 9.192 ppbv

RT: 7.59 min Scan# 1495

Delta R.T. 0.00 min

Lab File: VL036950.D

Acq: 18 May 2021 1:58

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion: 63 Resp: 1232110

Ion Ratio Lower Upper

63 100

41 69.6 55.7 83.5

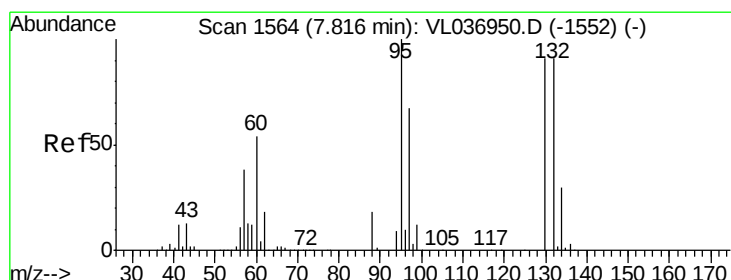
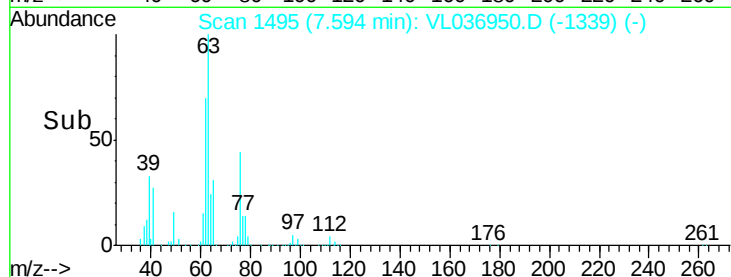
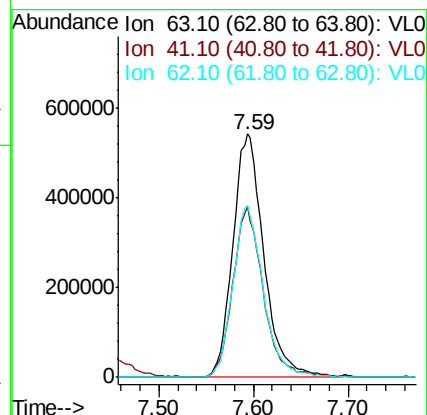
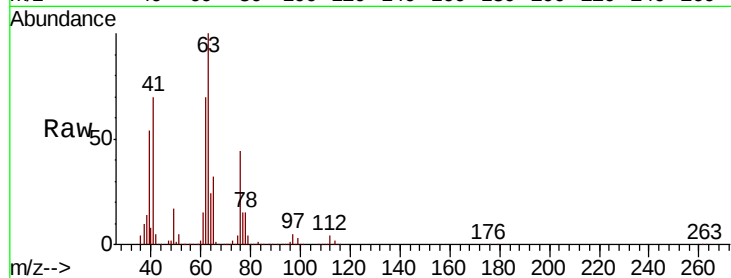
62 70.3 56.2 84.4

Manual Integrations

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#40

1,4-Dioxane

Concen: 7.064 ppbv

RT: 7.82 min Scan# 1564

Delta R.T. 0.00 min

Lab File: VL036950.D

Acq: 18 May 2021 1:58

Tgt Ion: 88 Resp: 246890

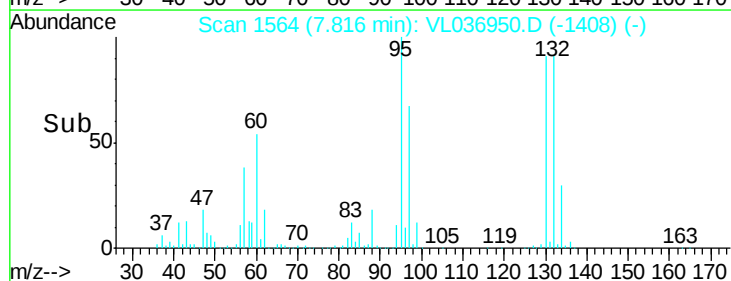
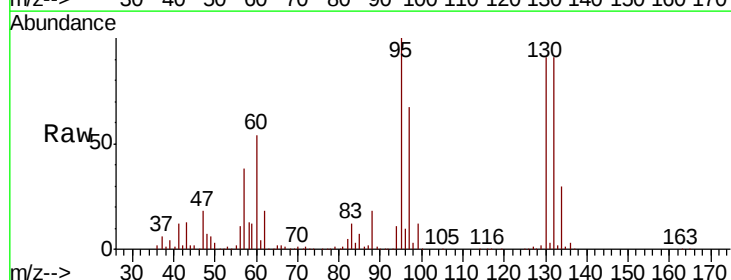
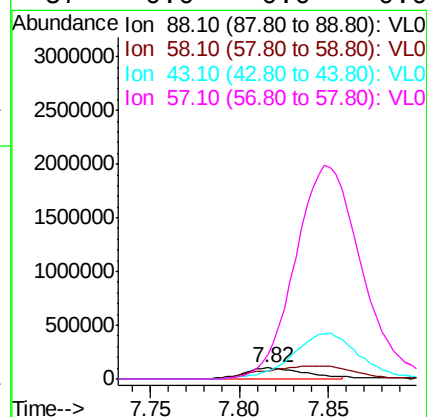
Ion Ratio Lower Upper

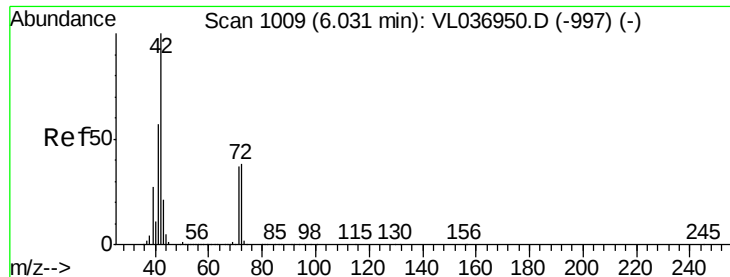
88 100

58 0.0 0.0 0.0

43 0.0 0.0 0.0

57 0.0 0.0 0.0





#41

Tetrahydrofuran

Concen: 12.253 ppbv

RT: 6.03 min Scan# 1009

Delta R.T. 0.00 min

Lab File: VL036950.D

Acq: 18 May 2021 1:58

Instrument :

MSVOA_L

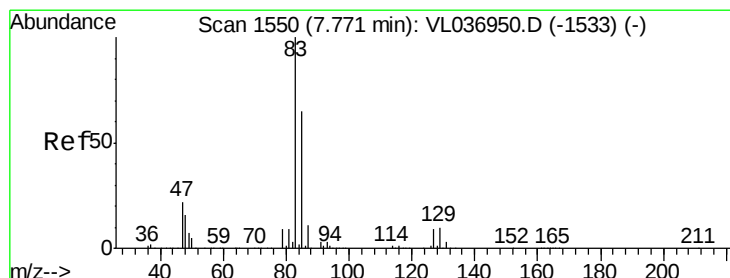
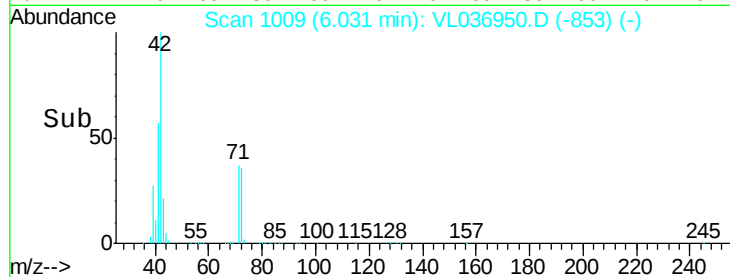
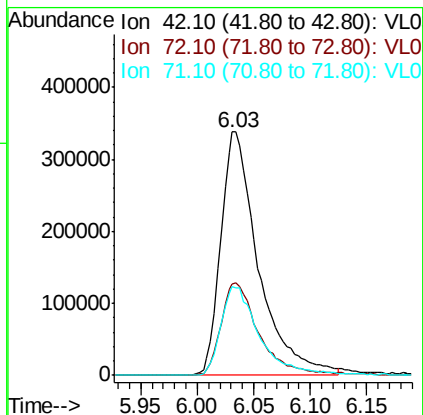
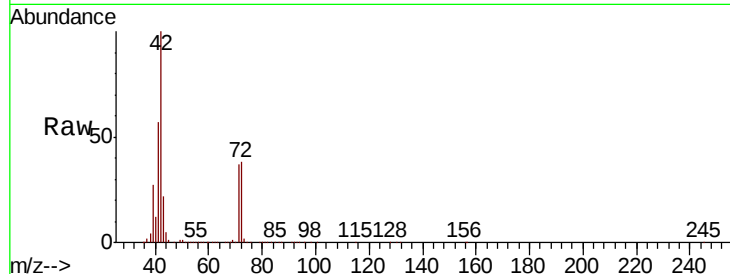
ClientSampleId :

VSTDICCC010

Tot Ion	Ratio	Lower	Upper
42	100		
72	39.4	31.4	47.2
71	38.0	30.4	45.6

Manual Integrations
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#42

Bromodichloromethane

Concen: 8.641 ppbv

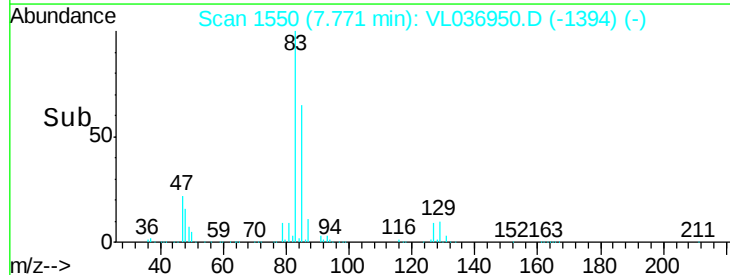
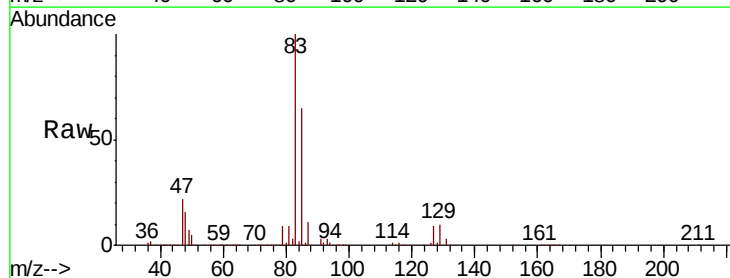
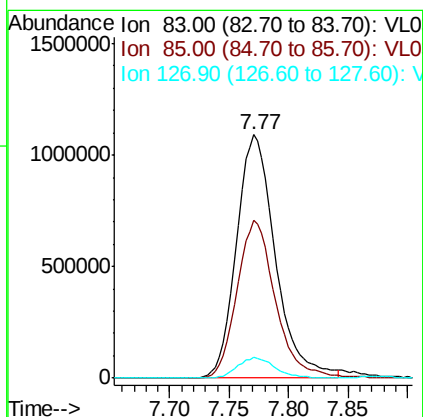
RT: 7.77 min Scan# 1550

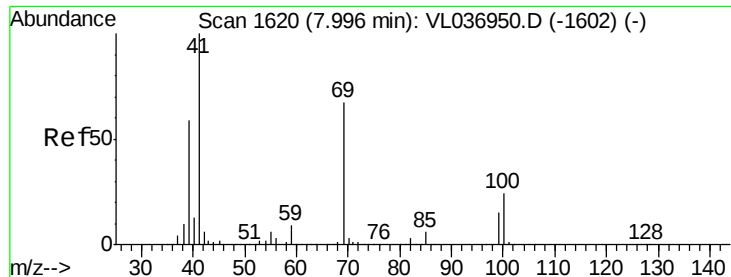
Delta R.T. 0.00 min

Lab File: VL036950.D

Acq: 18 May 2021 1:58

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.6	51.7	77.5
127	8.6	6.9	10.3





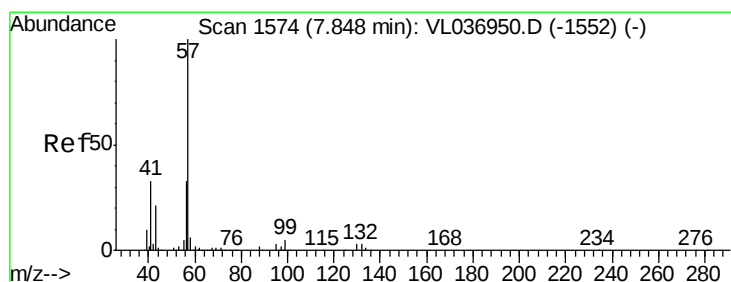
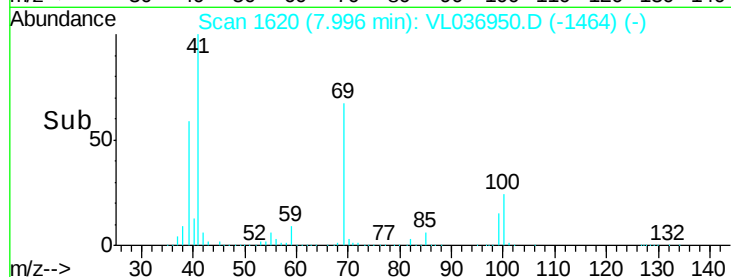
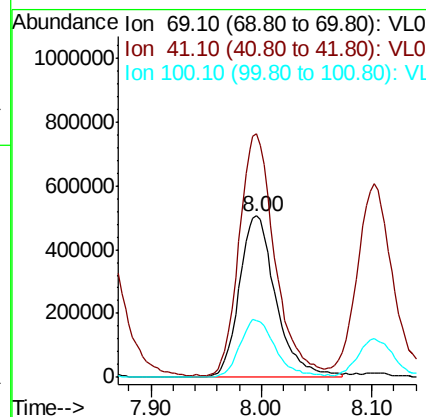
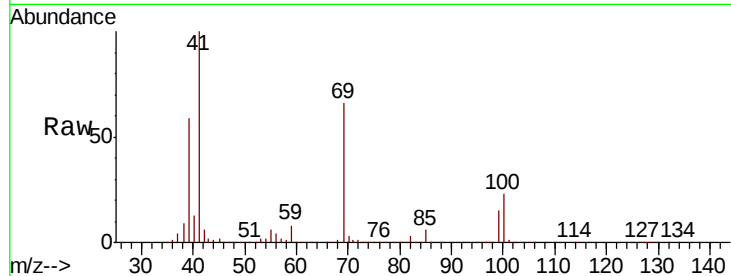
#43
Methyl Methacrylate
Concen: 12.189 ppbv
RT: 8.00 min Scan# 1620
Delta R.T. 0.00 min
Lab File: VL036950.D
Acq: 18 May 2021 1:58

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion: 69 Resp: 1160683
Ion Ratio Lower Upper
69 100
41 148.7 118.6 178.0
100 35.4 28.2 42.4

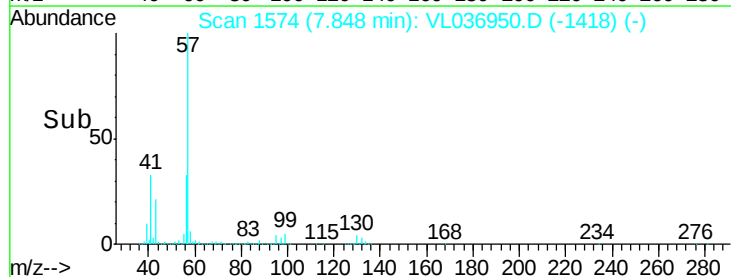
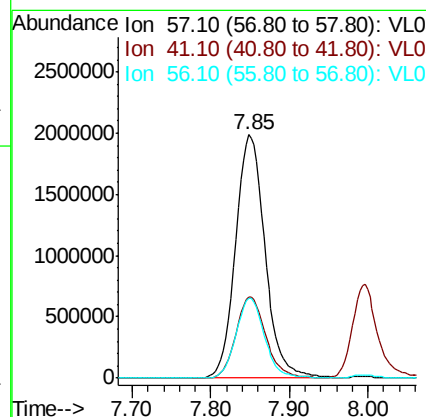
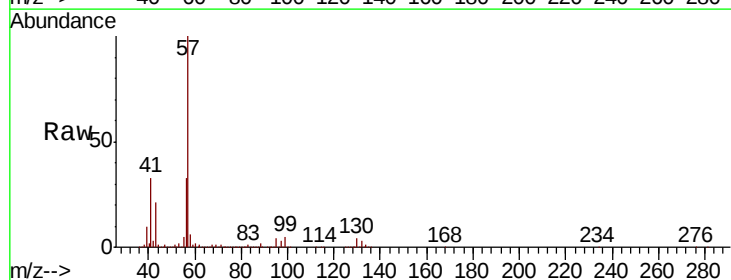
Manual Integrations
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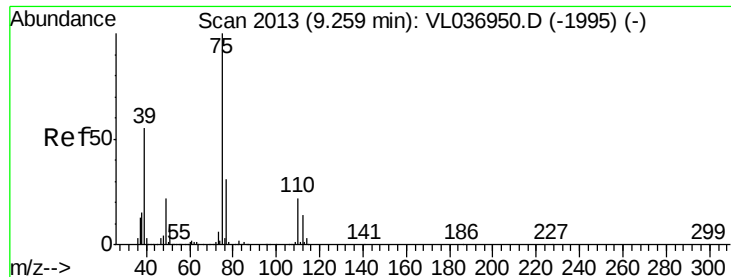
MMDadoda
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#44
2,2,4-Trimethylpentane
Concen: 8.928 ppbv
RT: 7.85 min Scan# 1574
Delta R.T. 0.00 min
Lab File: VL036950.D
Acq: 18 May 2021 1:58

Tgt Ion: 57 Resp: 5192958
Ion Ratio Lower Upper
57 100
41 33.7 27.0 40.4
56 31.8 25.4 38.2





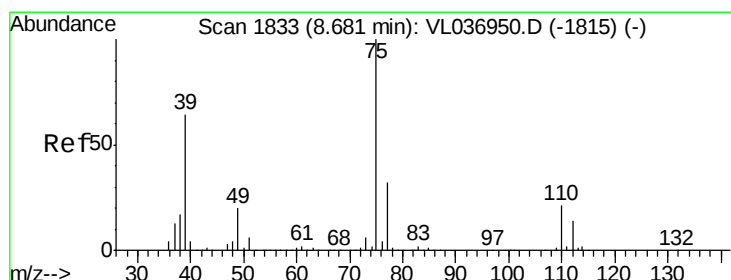
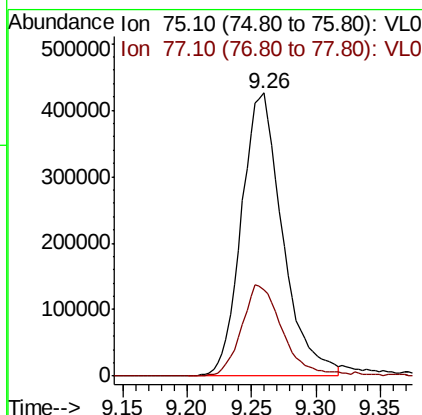
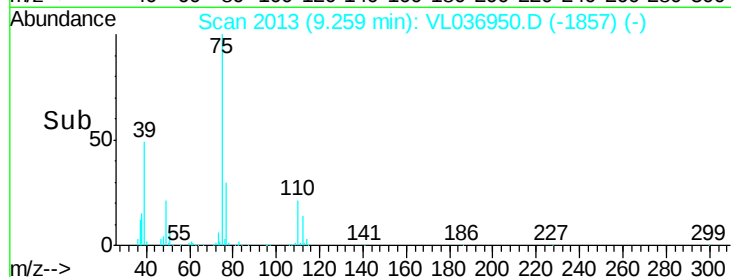
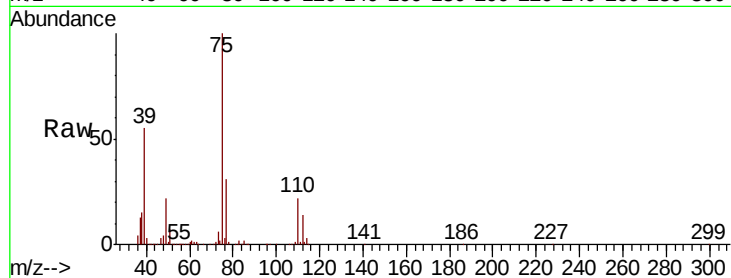
#45
 t-1,3-Dichloropropene
 Concen: 10.973 ppbv
 RT: 9.26 min Scan# 2013
 Delta R.T. 0.00 min
 Lab File: VL036950.D
 Acq: 18 May 2021 1:58

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tot Ion	Ratio	Lower	Upper
75	100		
77	30.5	24.4	36.6

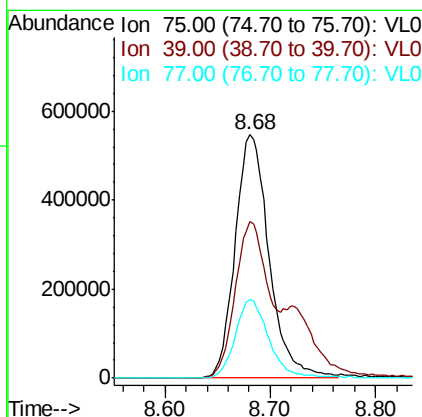
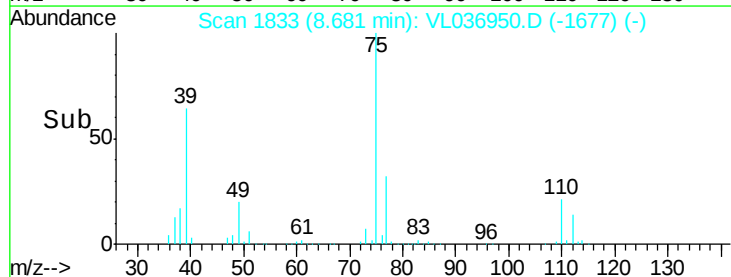
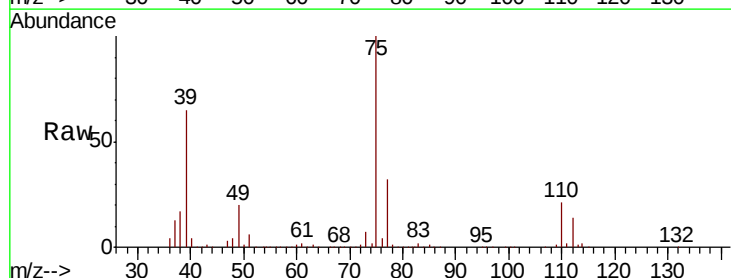
Manual Integrations
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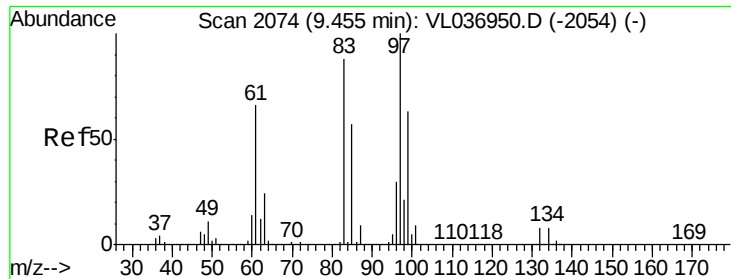
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#46
 cis-1,3-Dichloropropene
 Concen: 10.177 ppbv
 RT: 8.68 min Scan# 1833
 Delta R.T. 0.00 min
 Lab File: VL036950.D
 Acq: 18 May 2021 1:58

Tgt Ion	Ratio	Lower	Upper
75	100		
39	64.4	51.5	77.3
77	32.4	25.9	38.9





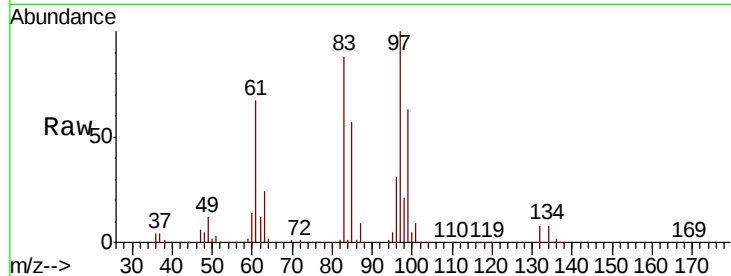
#47
 1,1,2-Trichloroethane
 Concen: 8.770 ppbv
 RT: 9.46 min Scan# 2074
 Delta R.T. 0.00 min
 Lab File: VL036950.D
 Acq: 18 May 2021 1:58

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tot Ion	Ion	Ratio	Lower	Upper
97	100			
83	88.0	70.4	105.6	
85	56.9	45.5	68.3	
99	62.7	50.2	75.2	

Manual Integrations
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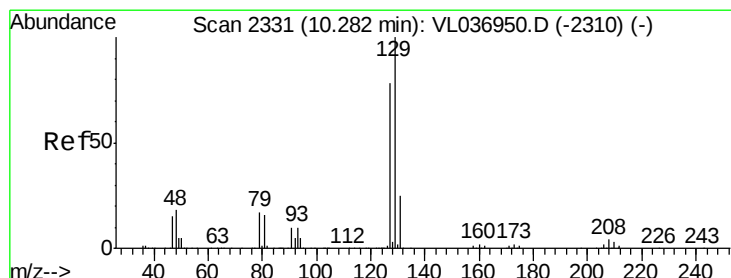
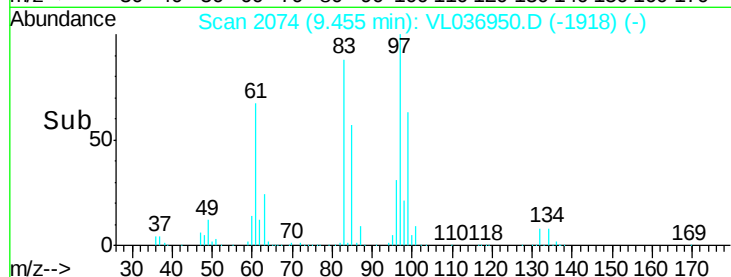
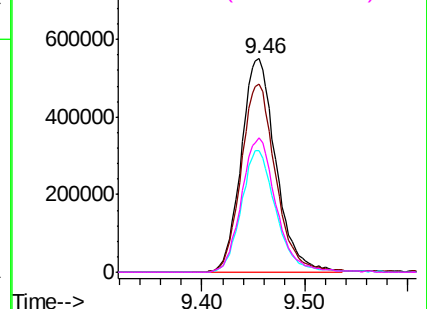
Abundance

Ion 97.00 (96.70 to 97.70): VL0

Ion 83.00 (82.70 to 83.70): VL0

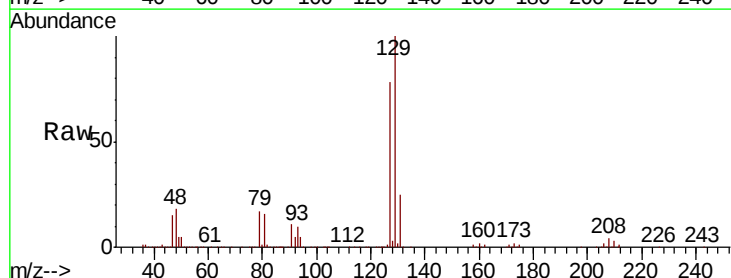
Ion 85.00 (84.70 to 85.70): VL0

Ion 99.00 (98.70 to 99.70): VL0



#48
 Dibromochloromethane
 Concen: 10.017 ppbv
 RT: 10.28 min Scan# 2331
 Delta R.T. 0.00 min
 Lab File: VL036950.D
 Acq: 18 May 2021 1:58

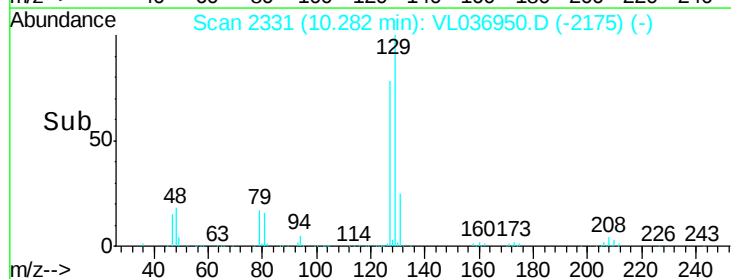
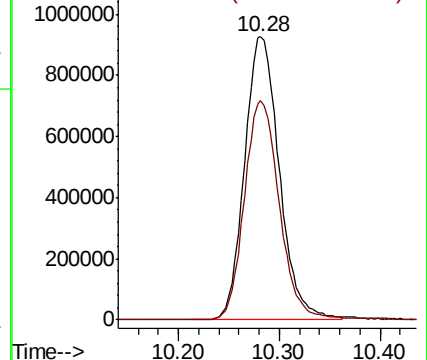
Tgt Ion	Ion	Ratio	Lower	Upper
129	100			
127	78.5	39.3	117.8	

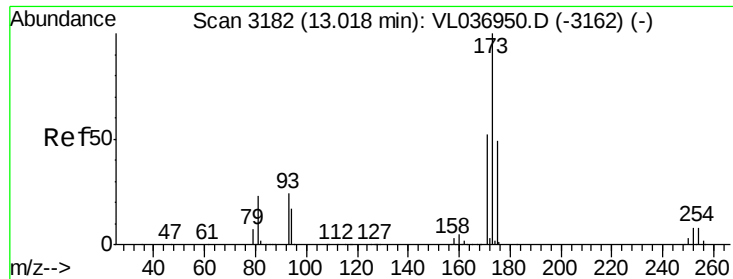


Abundance

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#49

Bromoform

Concen: 10.347 ppbv

RT: 13.02 min Scan# 3182

Delta R.T. 0.00 min

Lab File: VL036950.D

Acq: 18 May 2021 1:58

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion:173 Resp: 1883595

Ion Ratio Lower Upper

173 100

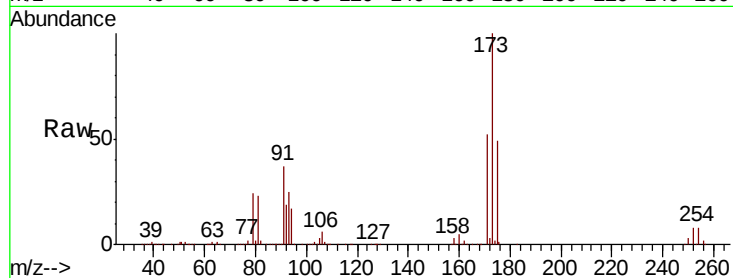
175 50.1 40.4 60.6

171 53.4 42.6 64.0

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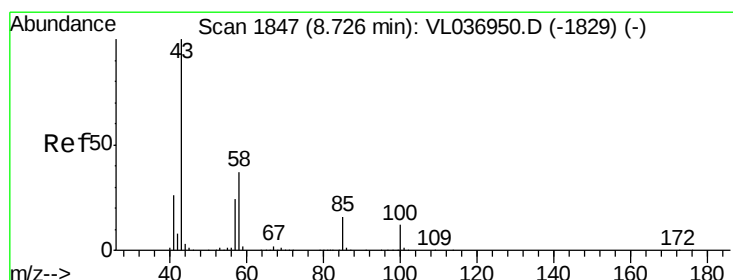
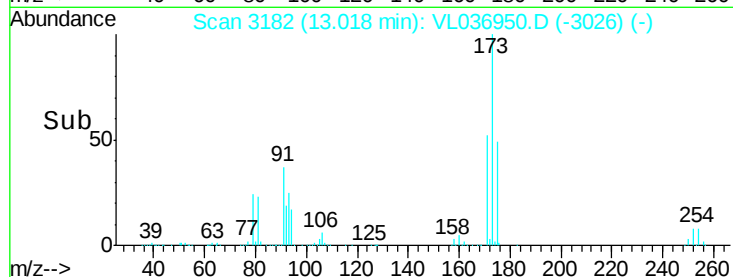
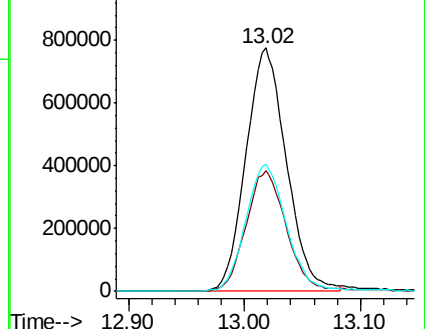
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Abundance Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 170.90 (170.60 to 171.60): V



#50

4-Methyl-2-Pentanone

Concen: 10.737 ppbv

RT: 8.73 min Scan# 1847

Delta R.T. 0.00 min

Lab File: VL036950.D

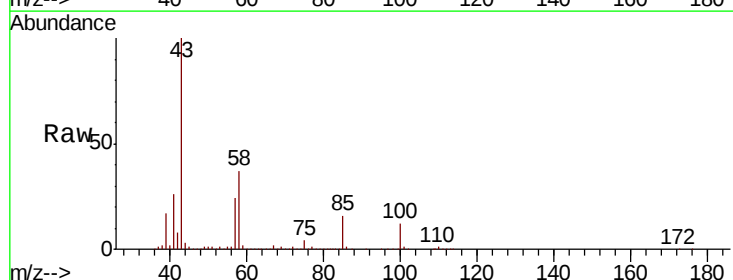
Acq: 18 May 2021 1:58

Tgt Ion: 43 Resp: 2288853

Ion Ratio Lower Upper

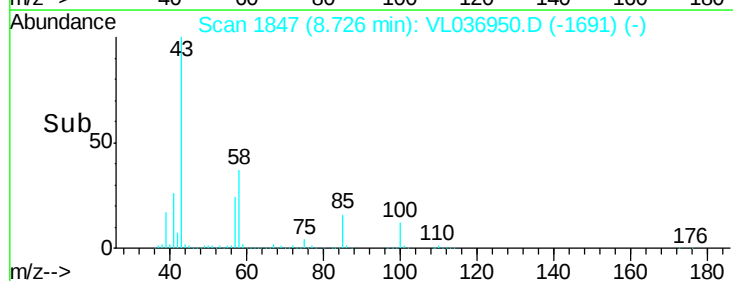
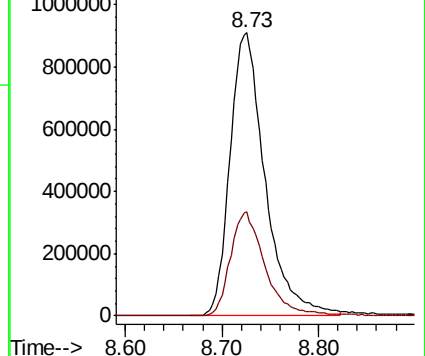
43 100

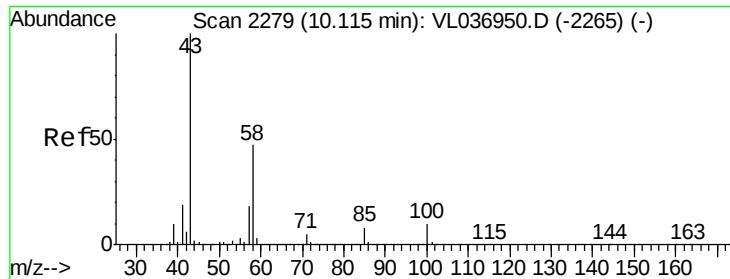
58 36.8 29.4 44.2



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0





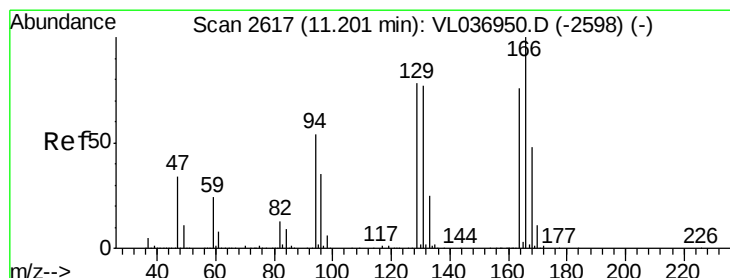
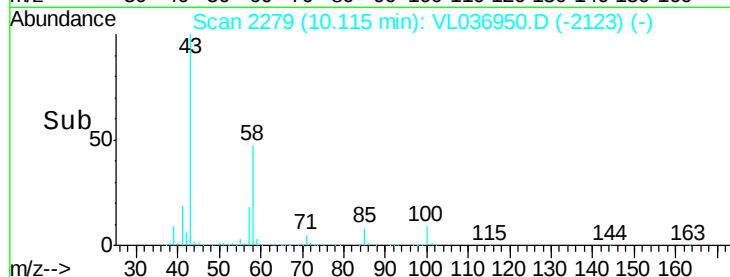
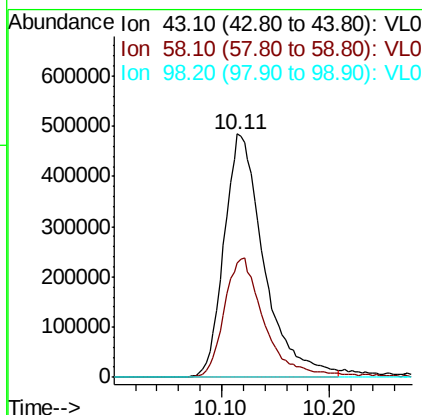
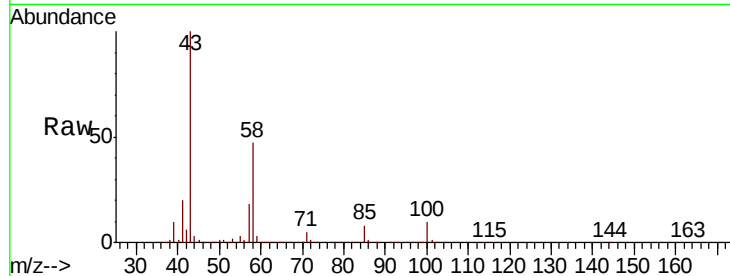
#51
2-Hexanone
Concen: 13.630 ppbv
RT: 10.11 min Scan# 2279
Delta R.T. 0.00 min
Lab File: VL036950.D
Acq: 18 May 2021 1:58

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion: 43 Resp: 1237998
Ion Ratio Lower Upper
43 100
58 51.0 41.1 61.7
98 0.1 0.1 0.1#

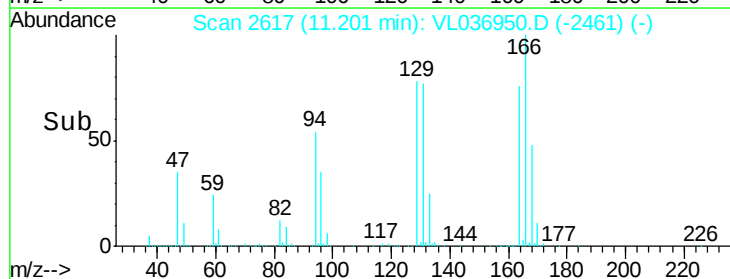
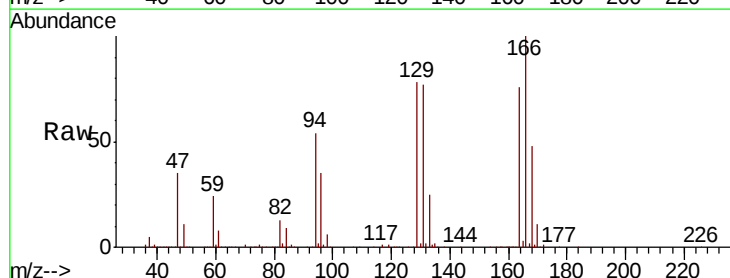
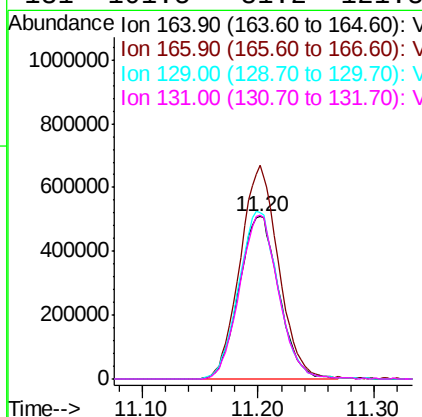
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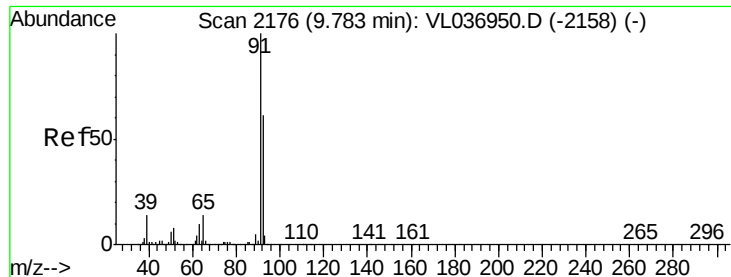
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#52
Tetrachloroethene
Concen: 10.100 ppbv
RT: 11.20 min Scan# 2617
Delta R.T. 0.00 min
Lab File: VL036950.D
Acq: 18 May 2021 1:58

Tgt Ion: 164 Resp: 1214642
Ion Ratio Lower Upper
164 100
166 131.9 105.5 158.3
129 102.3 81.8 122.8
131 101.5 81.2 121.8





#53

Toluene

Concen: 11.326 ppbv

RT: 9.78 min Scan# 2176

Delta R.T. 0.00 min

Lab File: VL036950.D

Acq: 18 May 2021 1:58

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion: 91 Resp: 3696546

Ion Ratio Lower Upper

91 100

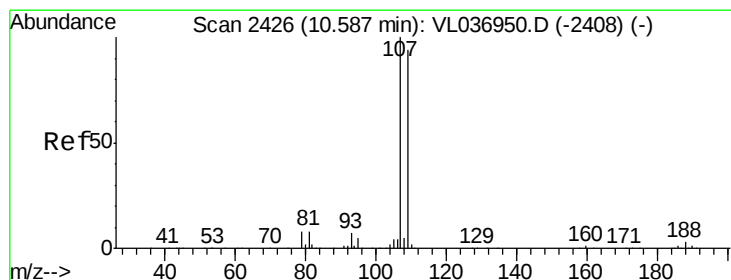
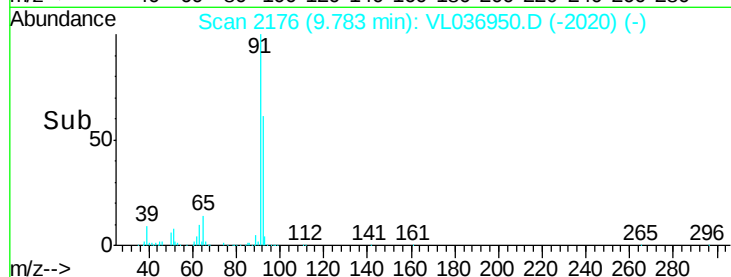
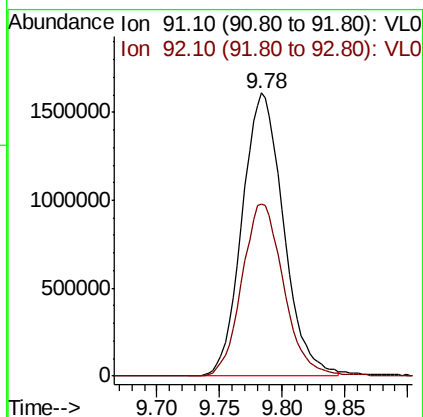
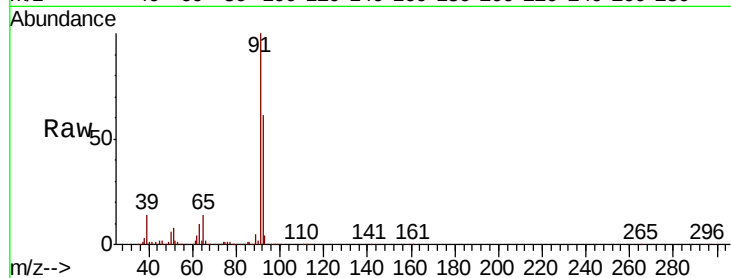
92 61.9 49.5 74.3

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#54

1,2-Dibromoethane

Concen: 9.825 ppbv

RT: 10.59 min Scan# 2426

Delta R.T. 0.00 min

Lab File: VL036950.D

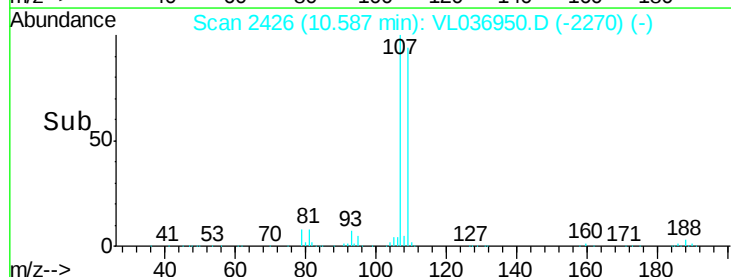
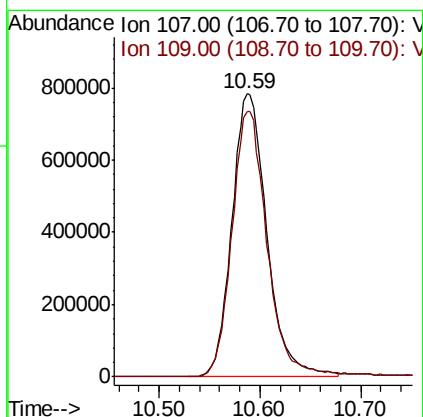
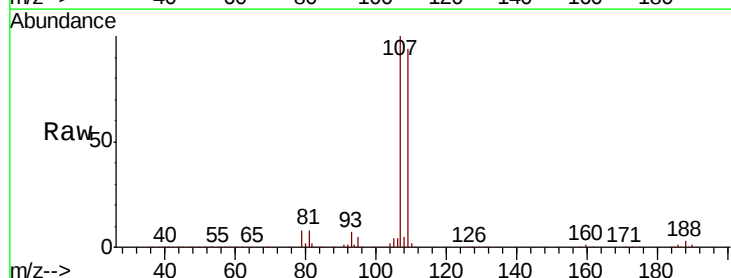
Acq: 18 May 2021 1:58

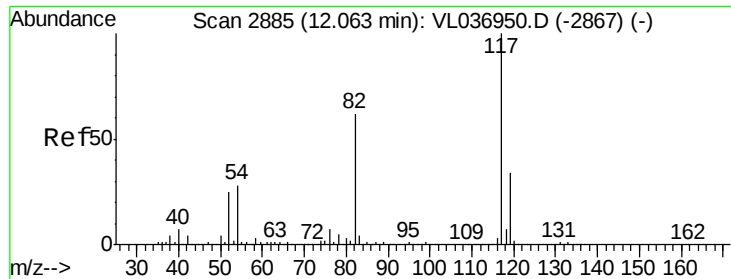
Tgt Ion: 107 Resp: 1885844

Ion Ratio Lower Upper

107 100

109 93.7 75.0 112.4





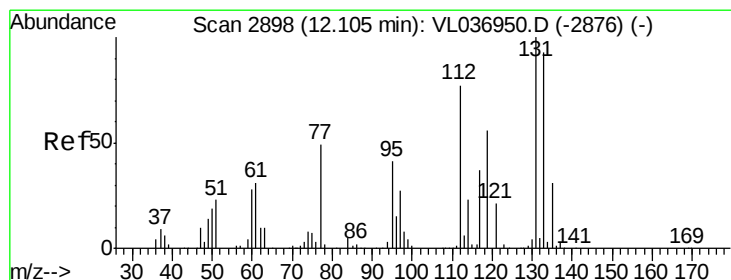
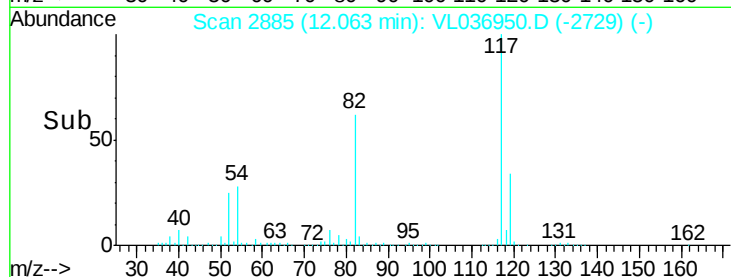
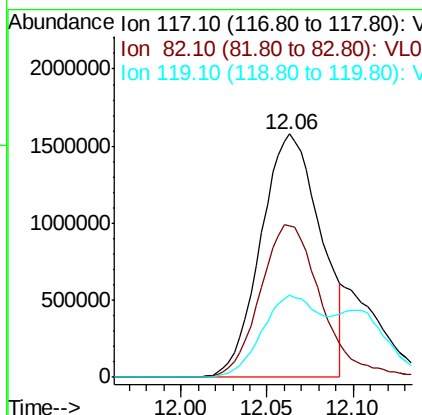
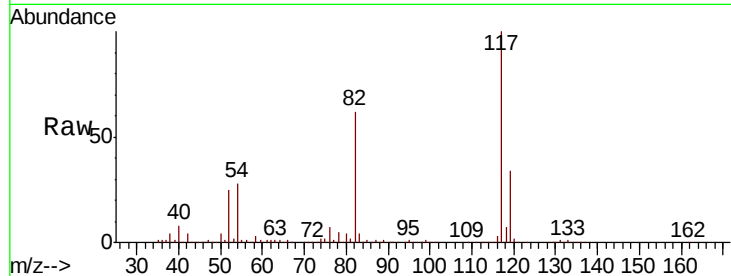
#55
Chlorobenzene-d5
Concen: 10.000 ppbv m
RT: 12.06 min Scan# 2885
Delta R.T. 0.00 min
Lab File: VL036950.D
Acq: 18 May 2021 1:58

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion:117 Resp: 3805414
Ion Ratio Lower Upper
117 100
82 65.6 52.6 79.0
119 58.5 46.6 70.0

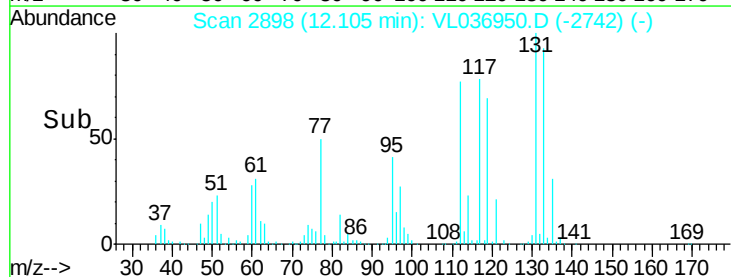
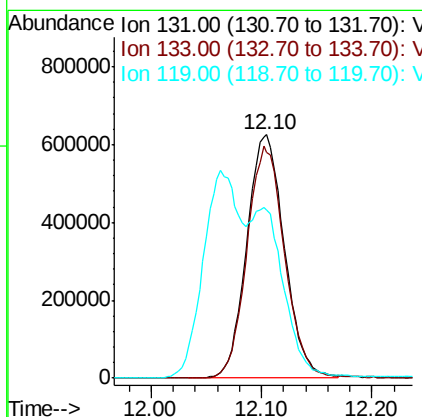
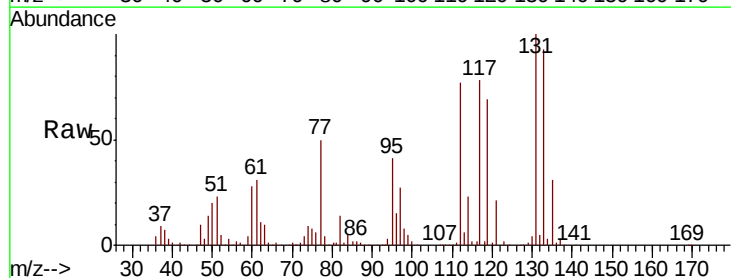
Manual Integrations
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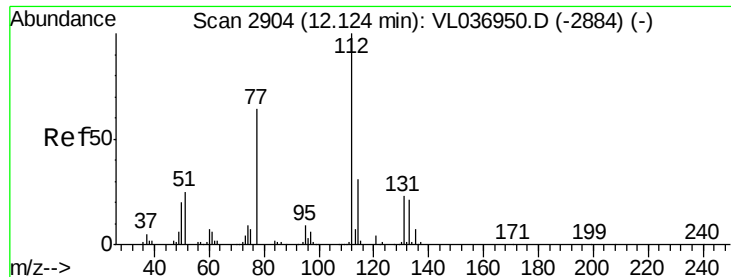
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#56
1,1,1,2-Tetrachloroethane
Concen: 8.443 ppbv
RT: 12.10 min Scan# 2898
Delta R.T. 0.00 min
Lab File: VL036950.D
Acq: 18 May 2021 1:58

Tgt Ion:131 Resp: 1477167
Ion Ratio Lower Upper
131 100
133 96.1 76.9 115.3
119 150.3 120.2 180.4





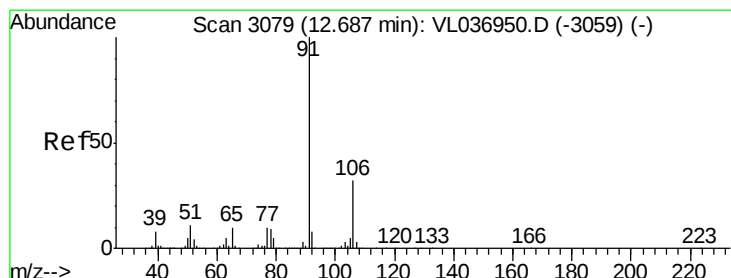
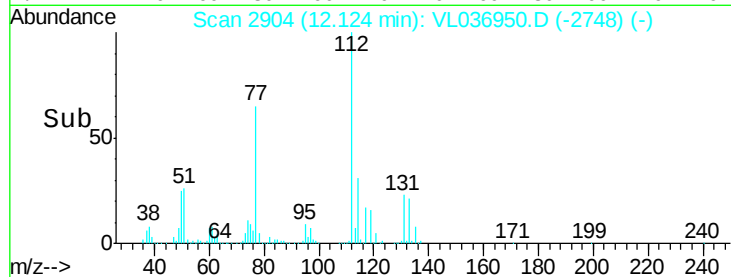
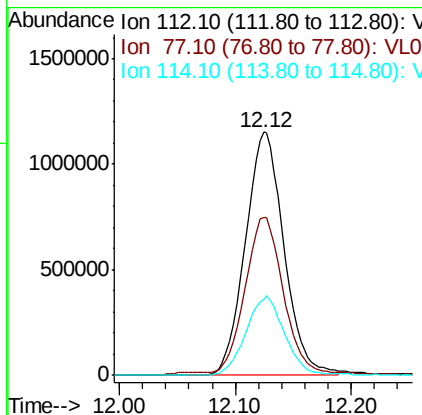
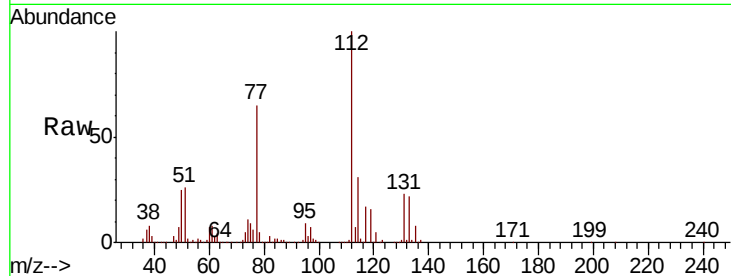
#57
Chlorobenzene
Concen: 8.331 ppbv
RT: 12.12 min Scan# 2904
Delta R.T. 0.00 min
Lab File: VL036950.D
Acq: 18 May 2021 1:58

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion	Ratio	Lower	Upper
112	100		
77	63.8	51.0	76.6
114	31.4	28.3	34.5

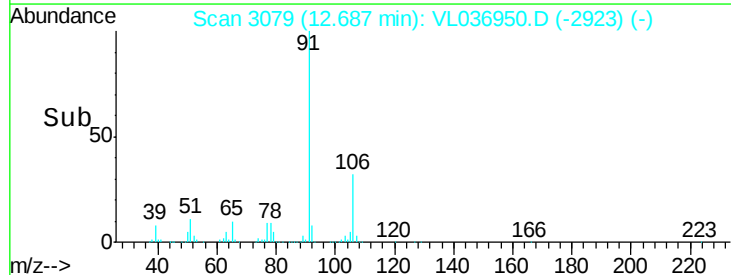
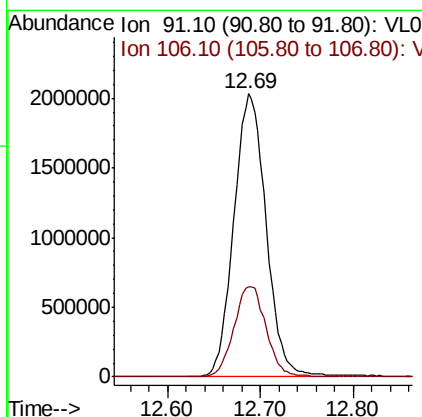
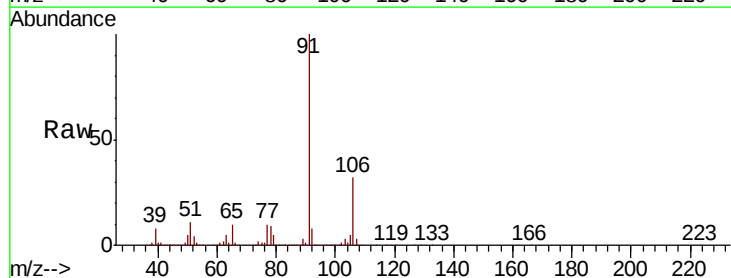
Manual Integrations
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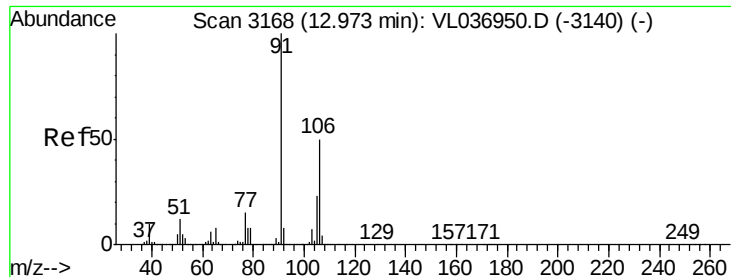
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#58
Ethyl Benzene
Concen: 10.838 ppbv
RT: 12.69 min Scan# 3079
Delta R.T. 0.00 min
Lab File: VL036950.D
Acq: 18 May 2021 1:58

Tgt Ion	Ratio	Lower	Upper
91	100		
106	32.0	25.6	38.4





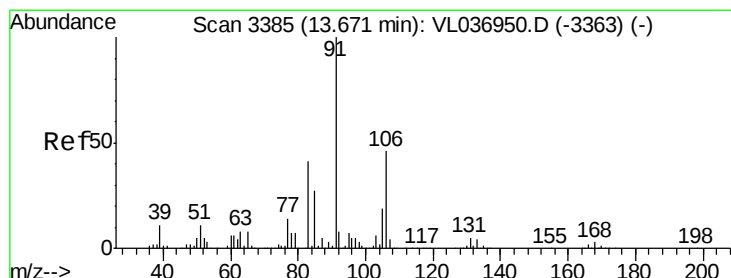
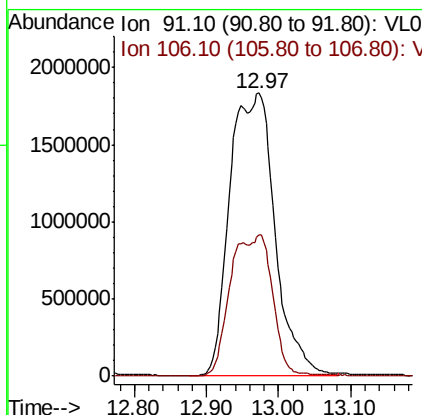
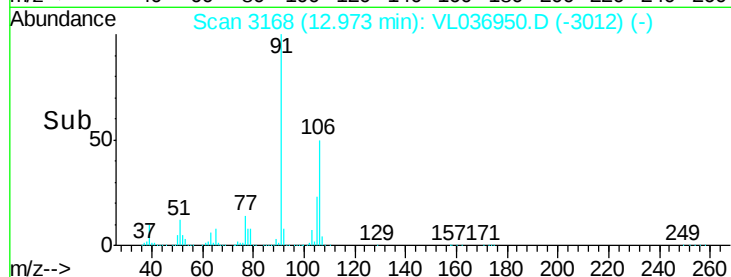
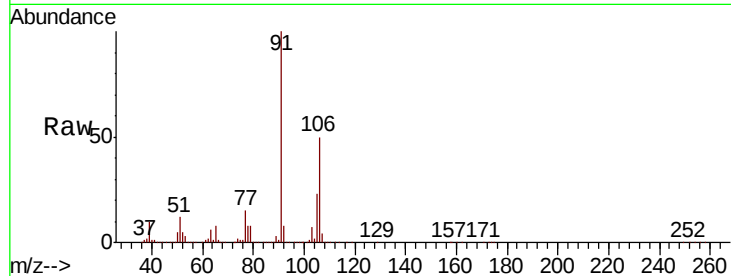
#59
m/p-Xylene
Concen: 18.859 ppbv m
RT: 12.97 min Scan# 3168
Delta R.T. 0.00 min
Lab File: VL036950.D
Acq: 18 May 2021 1:58

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion: 91 Resp: 8016994
Ion Ratio Lower Upper
91 100
106 46.7 37.4 56.2

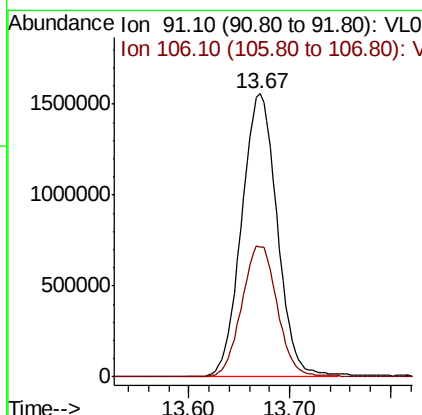
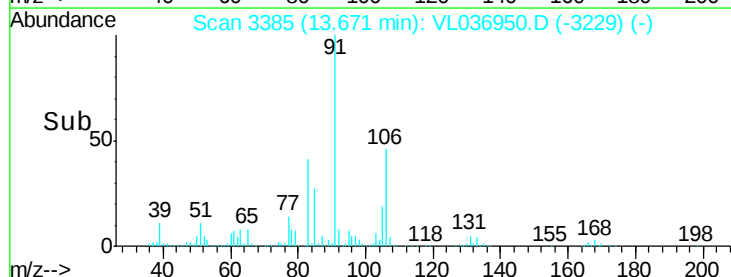
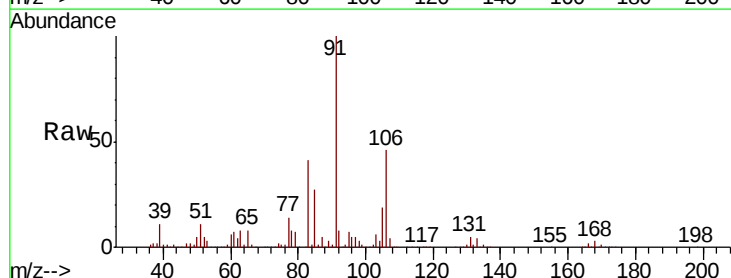
Manual Integrations
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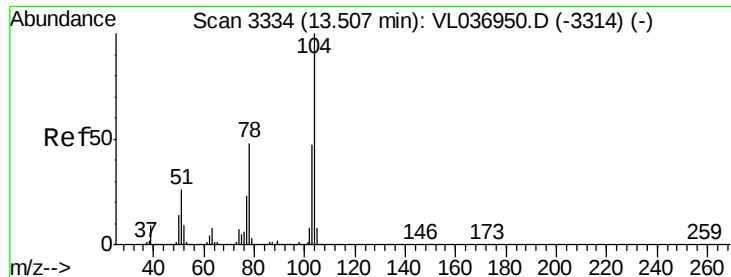
MMDadoda
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#60
o-Xylene
Concen: 9.228 ppbv
RT: 13.67 min Scan# 3385
Delta R.T. 0.00 min
Lab File: VL036950.D
Acq: 18 May 2021 1:58

Tgt Ion: 91 Resp: 3794022
Ion Ratio Lower Upper
91 100
106 46.9 23.4 70.3





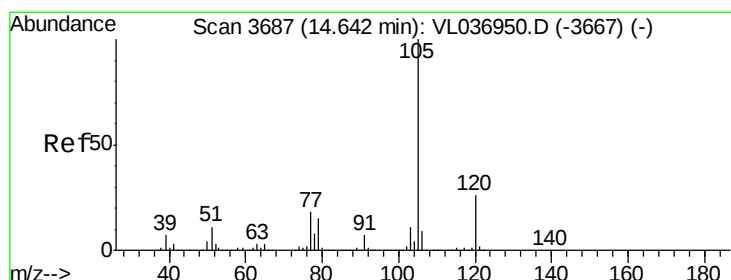
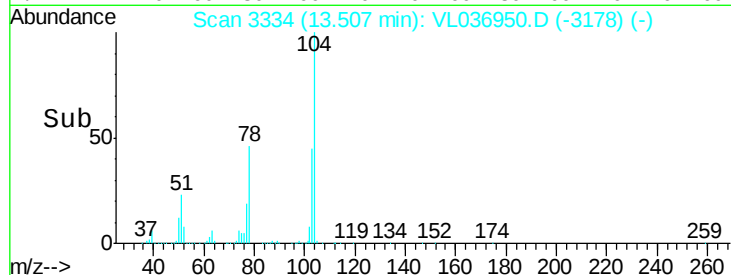
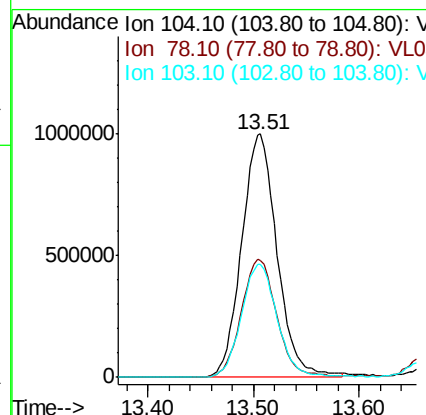
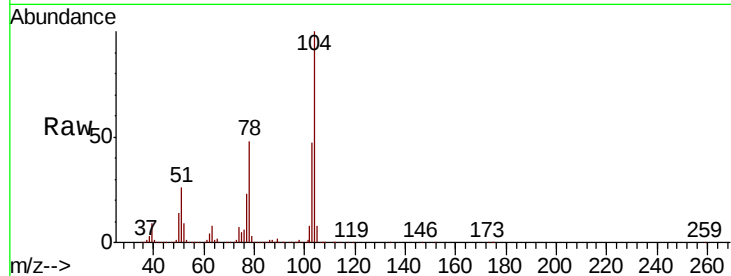
#61
Stvrene
Concen: 13.825 ppbv
RT: 13.51 min Scan# 3334
Delta R.T. 0.00 min
Lab File: VL036950.D
Acq: 18 May 2021 1:58

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion	Ratio	Lower	Upper
104	100		
78	48.8	39.0	58.6
103	47.5	38.0	57.0

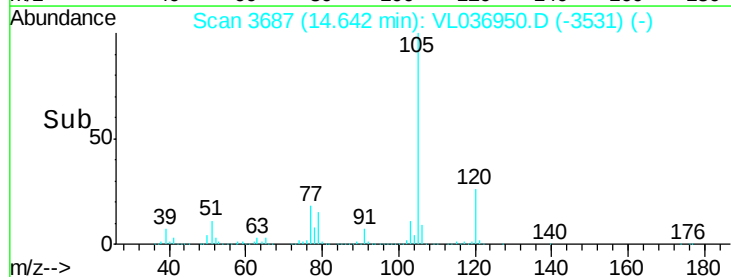
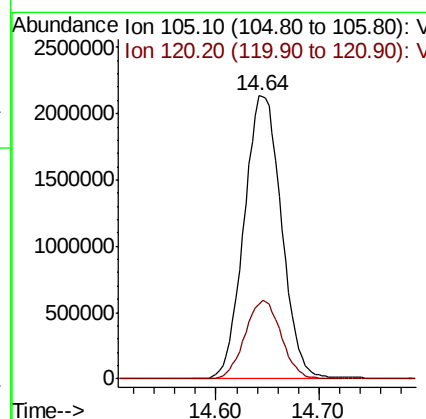
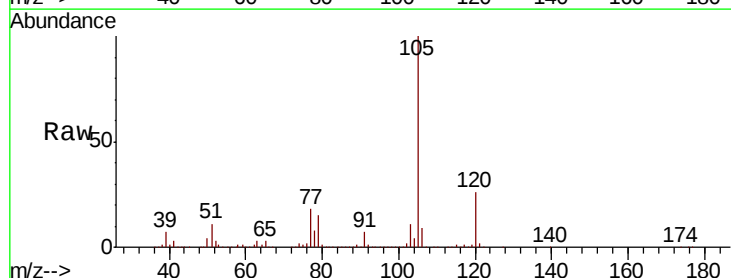
Manual Integrations
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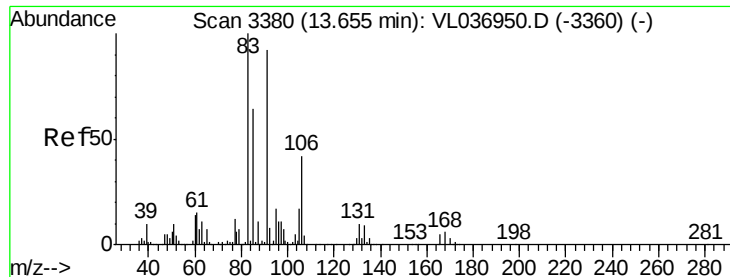
MMDadoda
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#62
Isopropylbenzene
Concen: 9.604 ppbv
RT: 14.64 min Scan# 3687
Delta R.T. 0.00 min
Lab File: VL036950.D
Acq: 18 May 2021 1:58

Tgt Ion	Ratio	Lower	Upper
105	100		
120	27.0	21.7	32.5





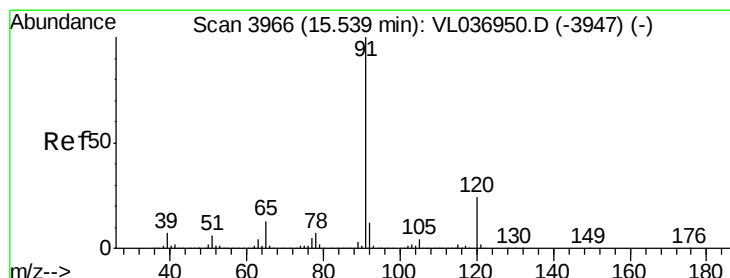
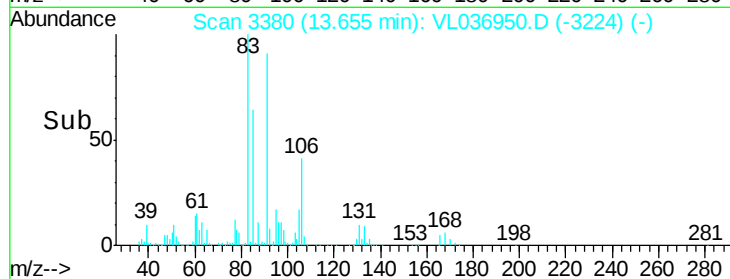
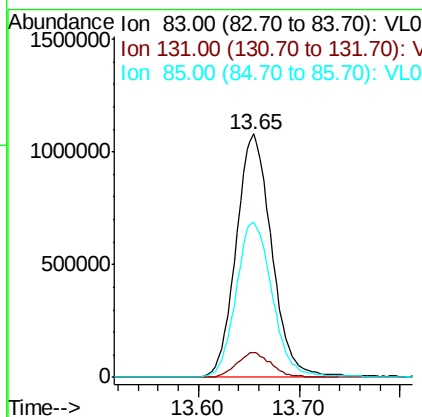
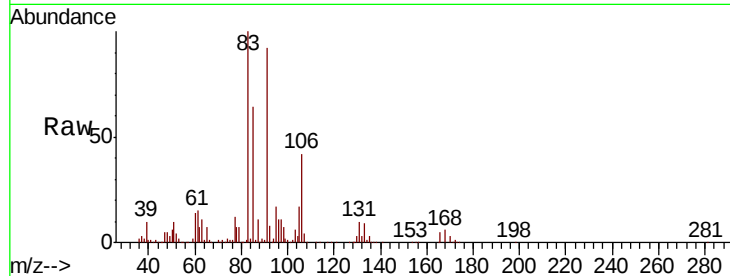
#63
 1,1,2,2-Tetrachloroethane
 Concen: 6.776 ppbv
 RT: 13.65 min Scan# 3380
 Delta R.T. 0.00 min
 Lab File: VL036950.D
 Acq: 18 May 2021 1:58

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tot Ion	Ratio	Lower	Upper
83	100		
131	10.0	5.0	15.0
85	65.7	32.9	98.6

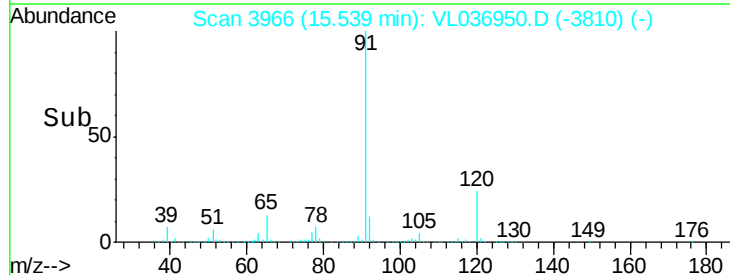
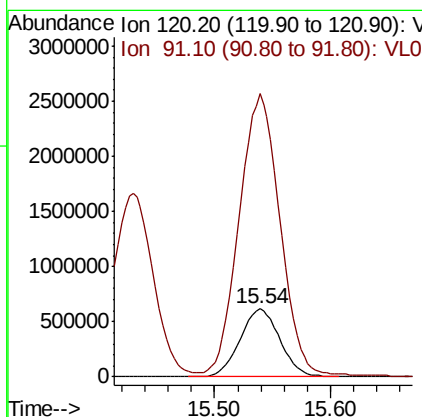
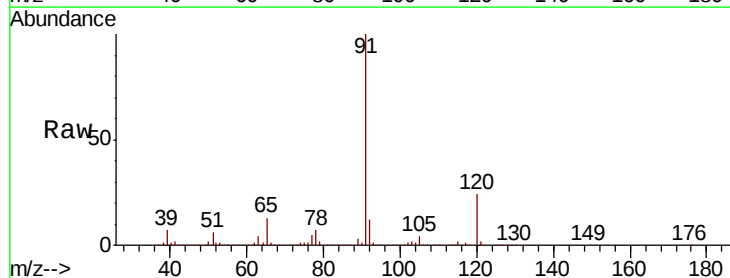
Manual Integrations
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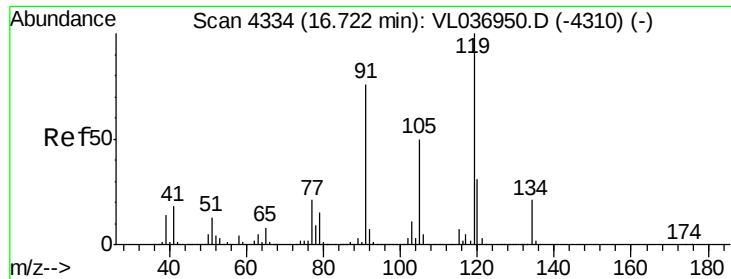
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#64
 n-propylbenzene
 Concen: 10.623 ppbv
 RT: 15.54 min Scan# 3966
 Delta R.T. 0.00 min
 Lab File: VL036950.D
 Acq: 18 May 2021 1:58

Tgt Ion	Ratio	Lower	Upper
120	100		
91	428.5	343.8	515.6





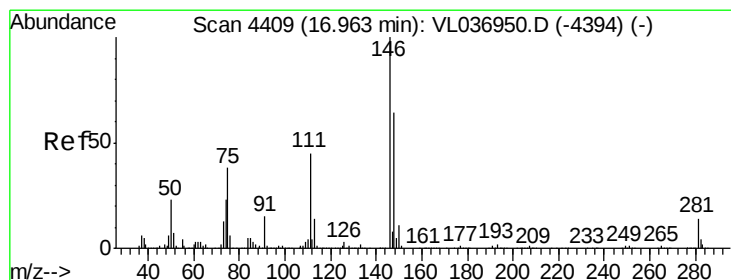
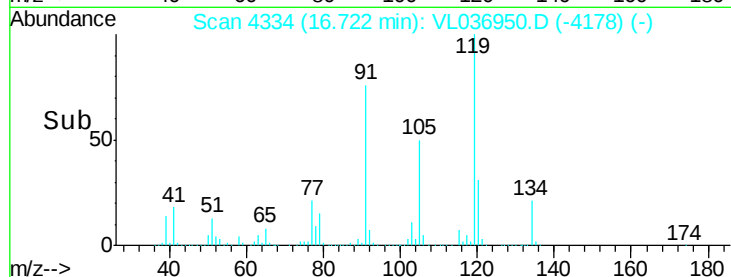
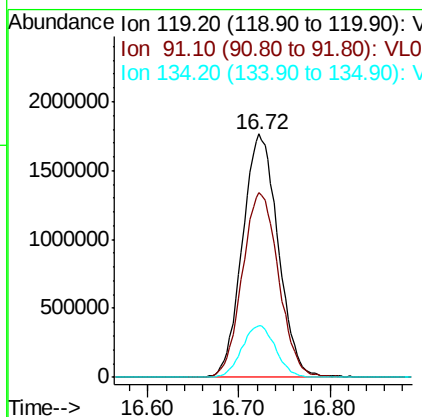
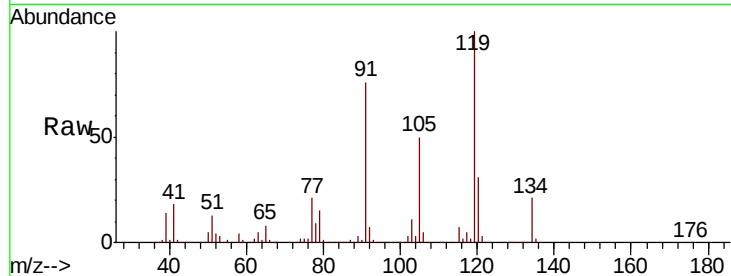
#65
tert-Butylbenzene
Concen: 9.661 ppbv
RT: 16.72 min Scan# 4334
Delta R.T. 0.00 min
Lab File: VL036950.D
Acq: 18 May 2021 1:58

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion	Ratio	Lower	Upper
119	100		
91	77.4	61.9	92.9
134	20.3	16.2	24.4

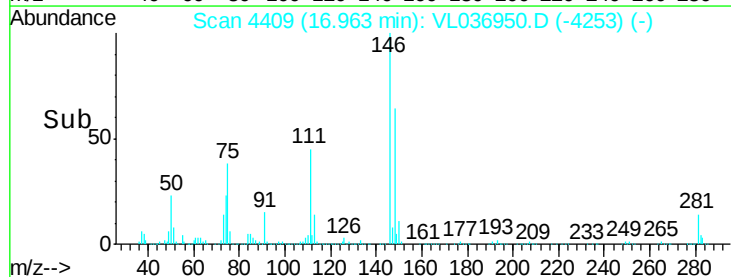
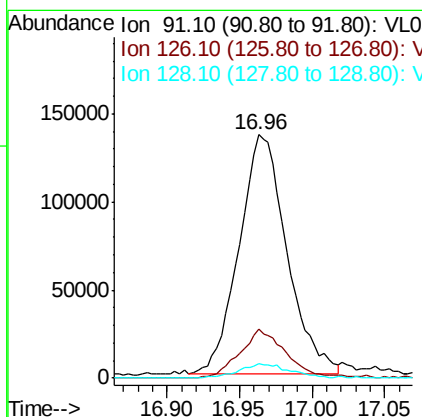
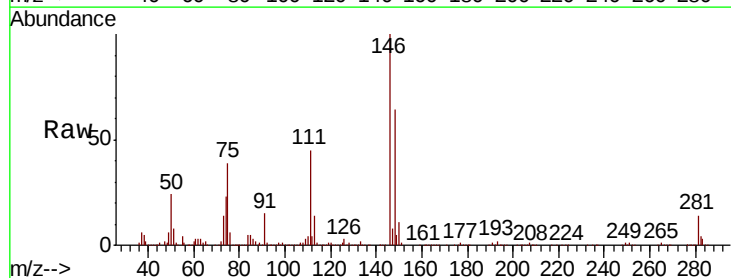
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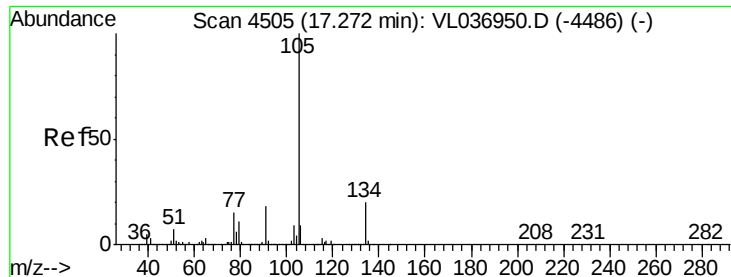
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#66
Benzyl Chloride
Concen: 6.874 ppbv
RT: 16.96 min Scan# 4409
Delta R.T. 0.00 min
Lab File: VL036950.D
Acq: 18 May 2021 1:58

Tgt Ion	Ratio	Lower	Upper
91	100		
126	20.3	16.5	24.7
128	6.5	5.5	8.3





#67

sec-Butylbenzene

Concen: 9.445 ppbv

RT: 17.27 min Scan# 4505

Delta R.T. 0.00 min

Lab File: VL036950.D

Acq: 18 May 2021 1:58

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion: 105 Resp: 6635980

Ion Ratio Lower Upper

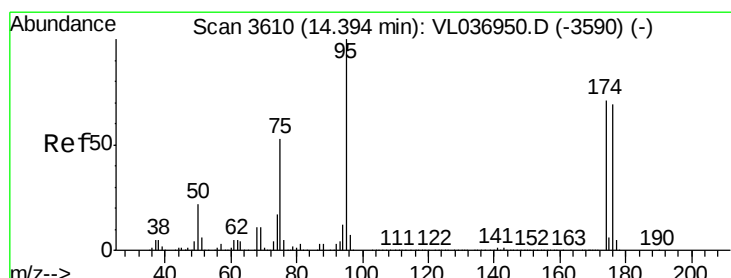
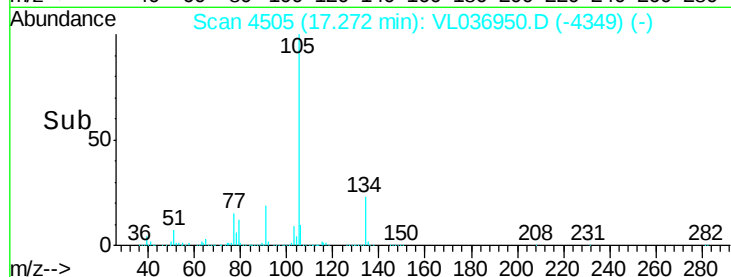
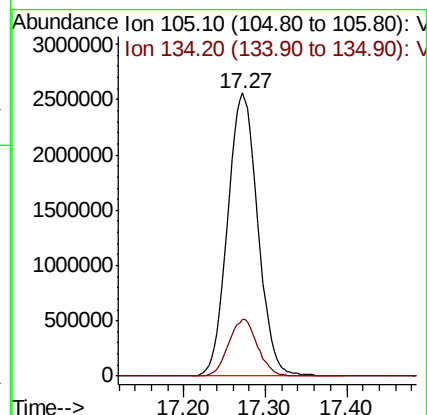
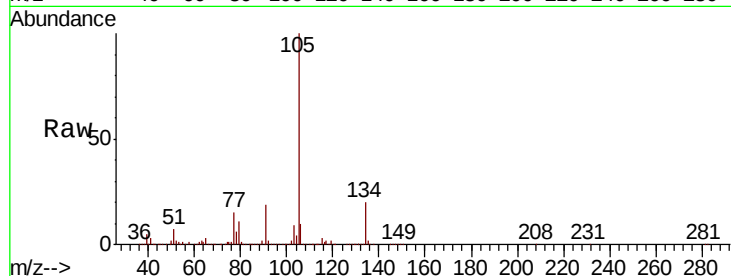
105 100

134 19.5 15.6 23.4

Manual Integrations
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#68

1-Bromo-4-Fluorobenzene

Concen: 10.151 ppbv

RT: 14.39 min Scan# 3610

Delta R.T. 0.00 min

Lab File: VL036950.D

Acq: 18 May 2021 1:58

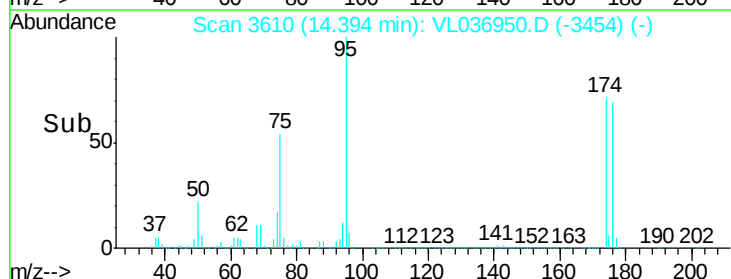
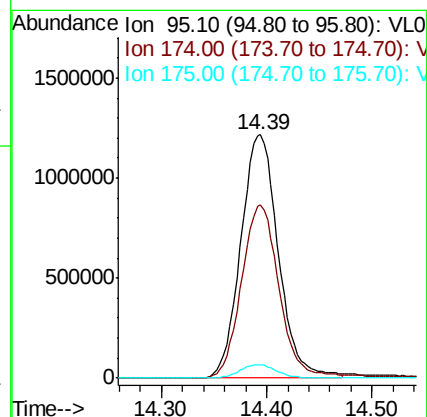
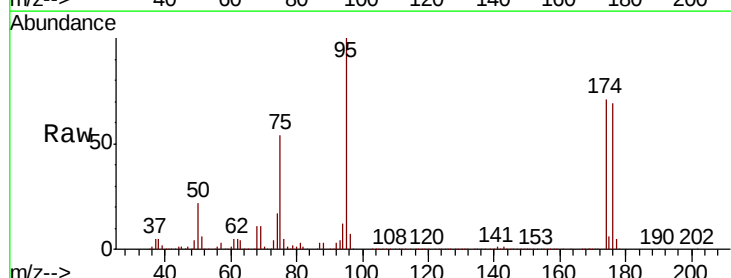
Tgt Ion: 95 Resp: 3012171

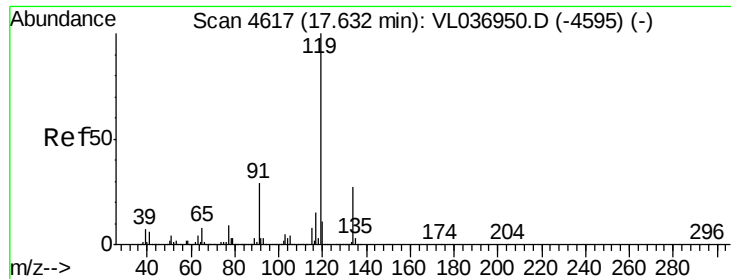
Ion Ratio Lower Upper

95 100

174 73.0 58.4 87.6

175 5.5 4.4 6.6





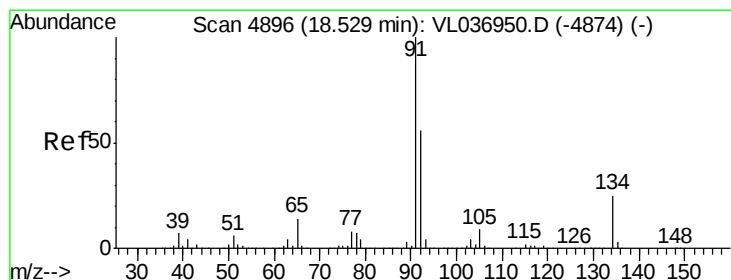
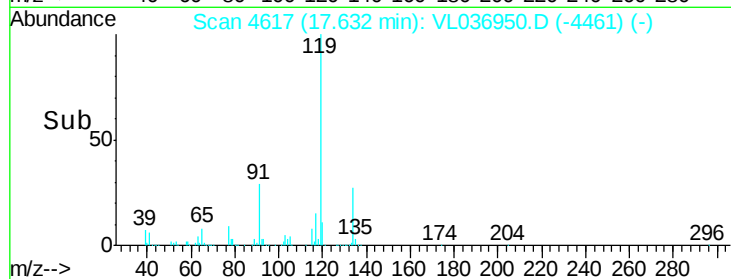
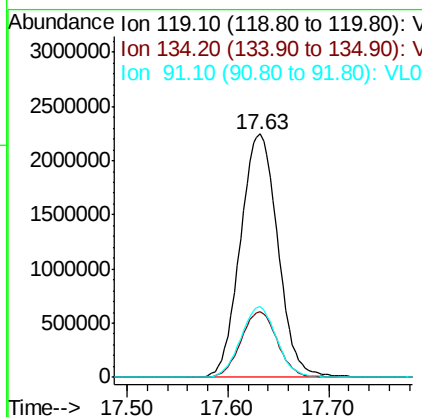
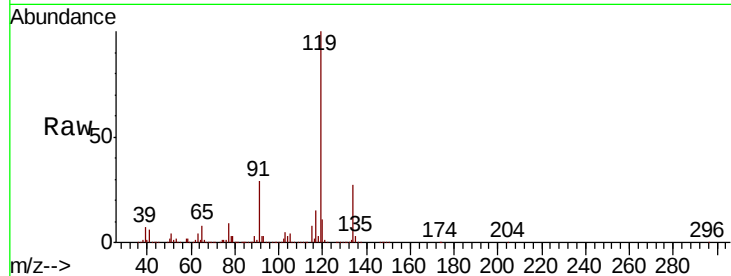
#69
 p-Isopropyltoluene
 Concen: 10.800 ppbv
 RT: 17.63 min Scan# 4617
 Delta R.T. 0.00 min
 Lab File: VL036950.D
 Acq: 18 May 2021 1:58

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tot Ion	Ratio	Lower	Upper
119	100		
134	26.4	21.2	31.8
91	27.9	22.2	33.4

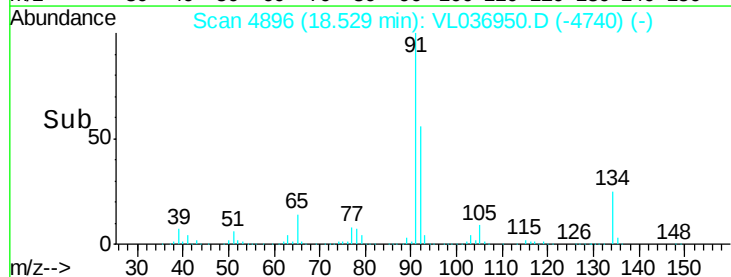
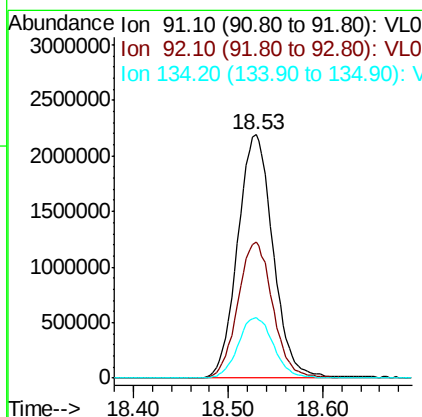
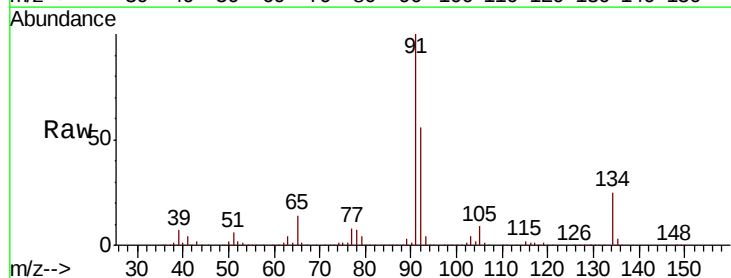
Manual Integrations
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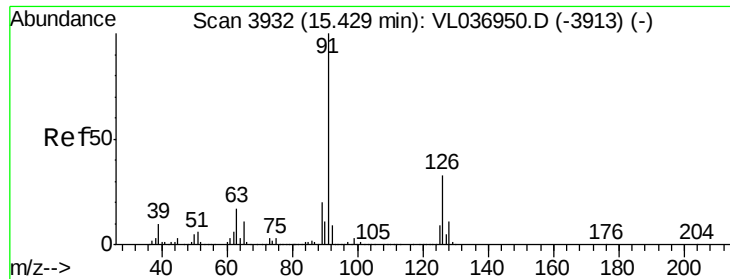
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#70
 n-Butylbenzene
 Concen: 10.602 ppbv
 RT: 18.53 min Scan# 4896
 Delta R.T. 0.00 min
 Lab File: VL036950.D
 Acq: 18 May 2021 1:58

Tgt Ion	Ratio	Lower	Upper
91	100		
92	55.7	44.6	66.8
134	25.2	20.2	30.2





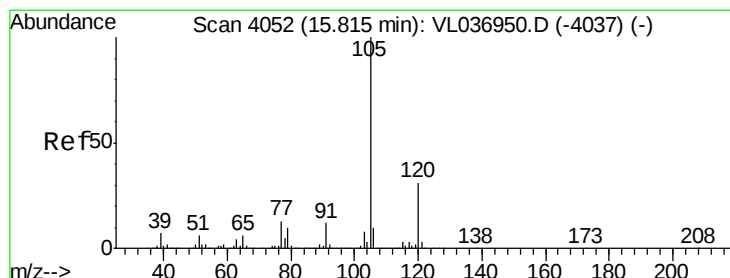
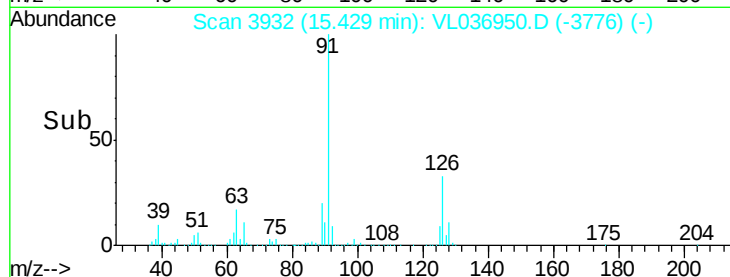
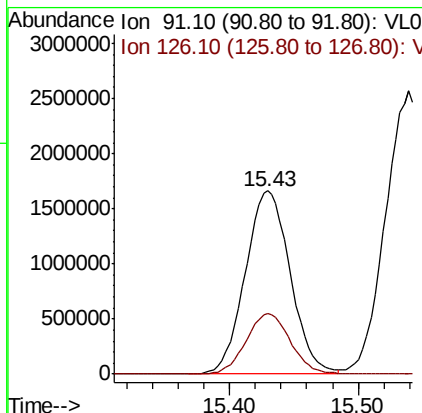
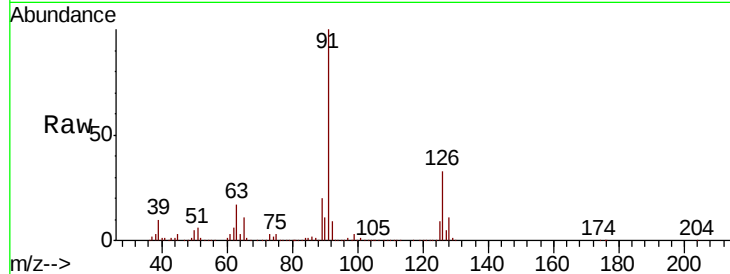
#71
 2-Chlorotoluene
 Concen: 10.045 ppbv
 RT: 15.43 min Scan# 3932
 Delta R.T. 0.00 min
 Lab File: VL036950.D
 Acq: 18 May 2021 1:58

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tot Ion: 91 Resp: 4027032
 Ion Ratio Lower Upper
 91 100
 126 32.8 13.1 52.5

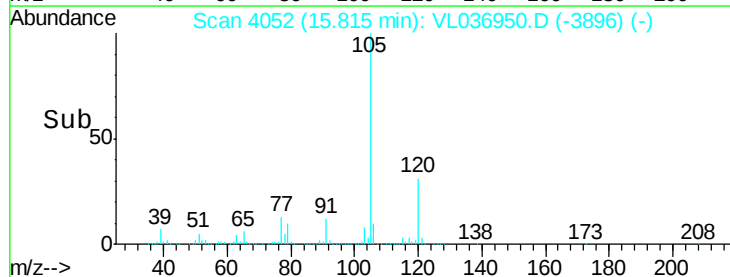
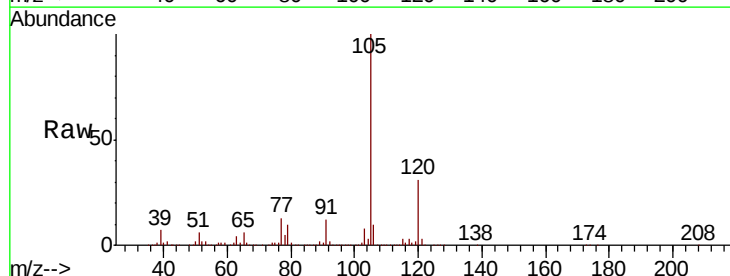
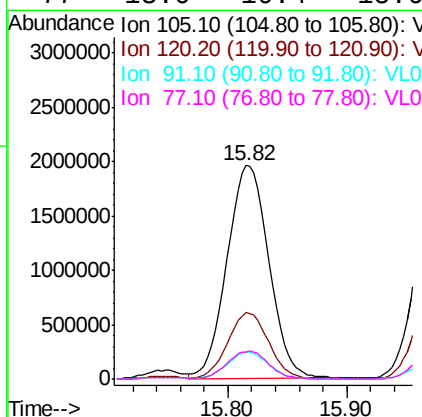
Manual Integrations
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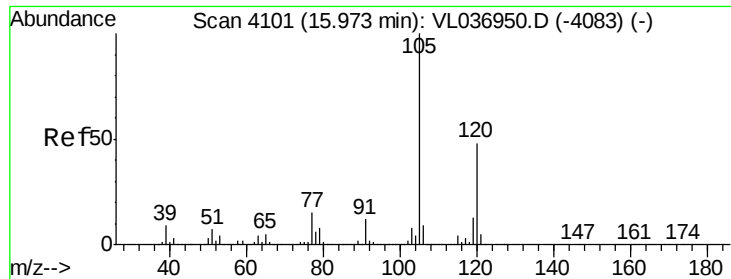
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#72
 4-Ethyltoluene
 Concen: 11.165 ppbv
 RT: 15.82 min Scan# 4052
 Delta R.T. 0.00 min
 Lab File: VL036950.D
 Acq: 18 May 2021 1:58

Tgt Ion: 105 Resp: 4756472
 Ion Ratio Lower Upper
 105 100
 120 30.8 24.6 37.0
 91 12.2 9.8 14.6
 77 13.0 10.4 15.6





#73

1,3,5-Trimethylbenzene

Concen: 10.298 ppbv

RT: 15.97 min Scan# 4101

Delta R.T. 0.00 min

Lab File: VL036950.D

Acq: 18 May 2021 1:58

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion:105 Resp: 4286473

Ion Ratio Lower Upper

105 100

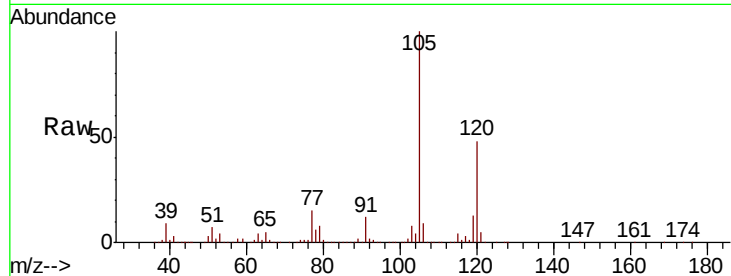
120 48.3 38.6 58.0

Manual Integrations

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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

15.97

2000000

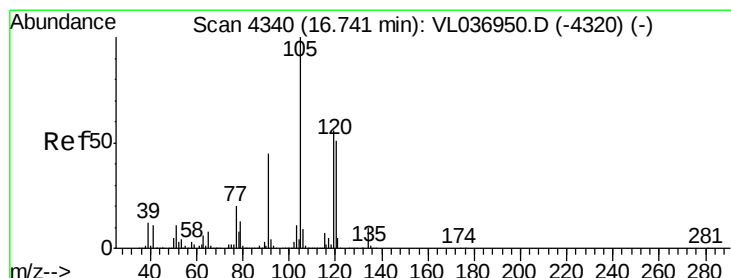
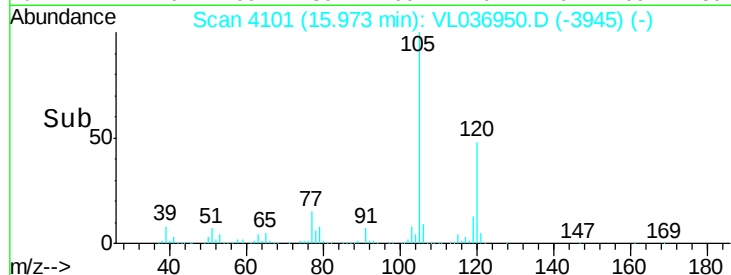
1500000

1000000

500000

0

Time-->



#74

1,2,4-Trimethylbenzene

Concen: 9.610 ppbv

RT: 16.74 min Scan# 4340

Delta R.T. 0.00 min

Lab File: VL036950.D

Acq: 18 May 2021 1:58

Tgt Ion:105 Resp: 4392220

Ion Ratio Lower Upper

105 100

120 50.8 40.6 61.0

91 46.7 37.4 56.0

77 20.3 16.2 24.4

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

2500000

2000000

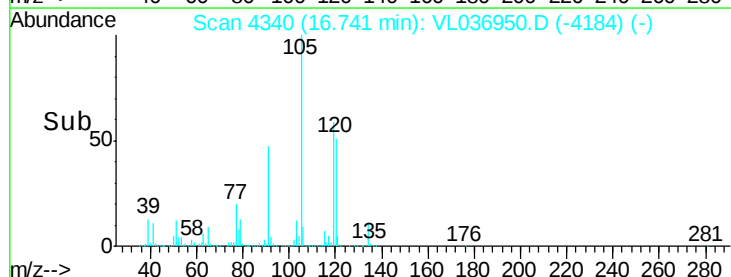
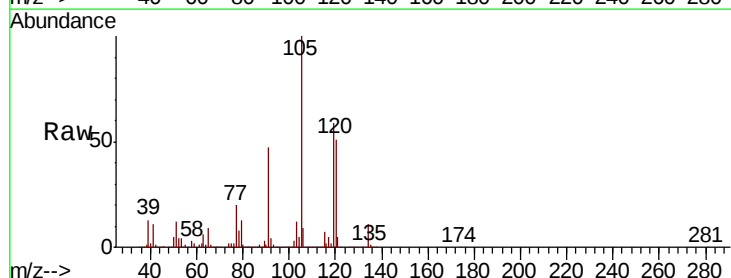
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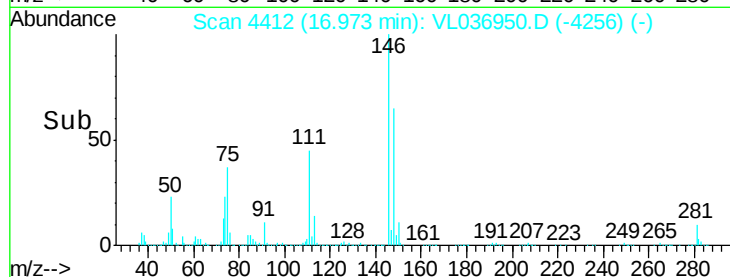
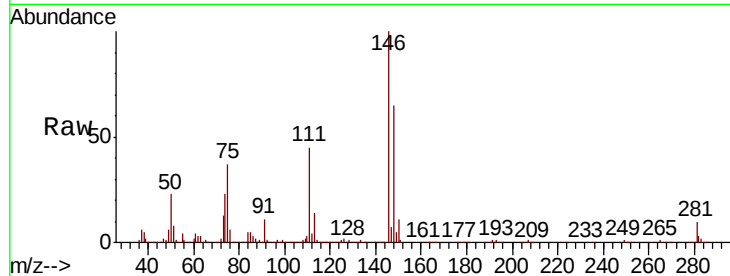
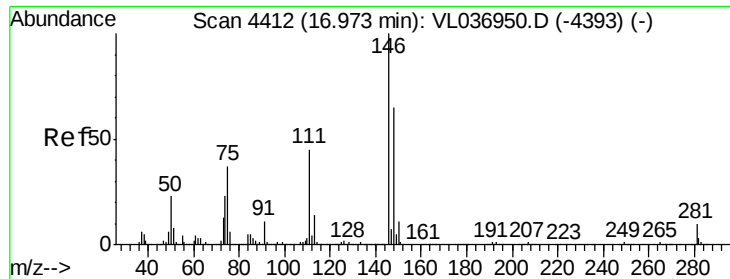
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Time-->





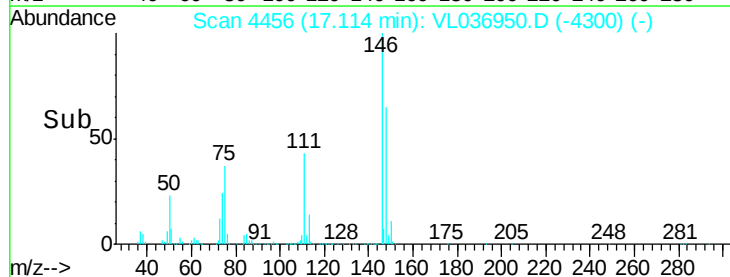
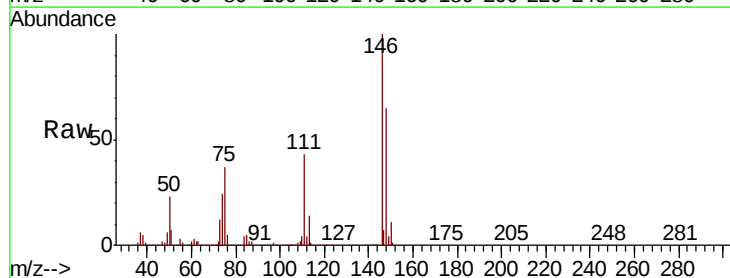
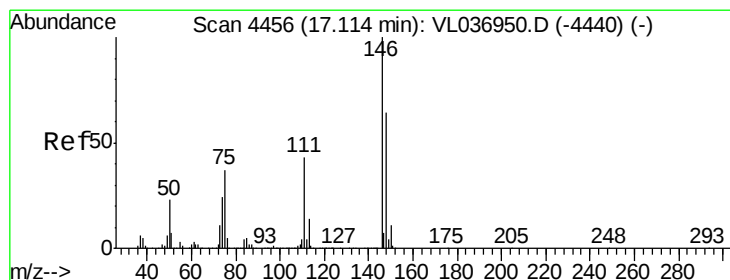
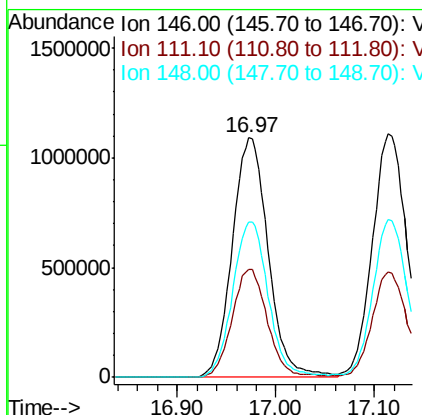
#75
1,3-Dichlorobenzene
Concen: 9.344 ppbv
RT: 16.97 min Scan# 4412
Delta R.T. 0.00 min
Lab File: VL036950.D
Acq: 18 May 2021 1:58

Tot Ion:146 Resp: 2768597
Ion Ratio Lower Upper
146 100
111 44.4 22.2 66.6
148 64.5 32.3 96.8

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

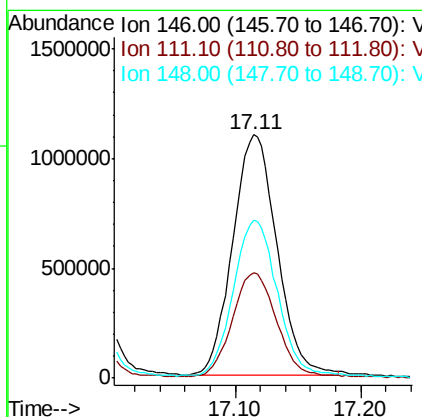
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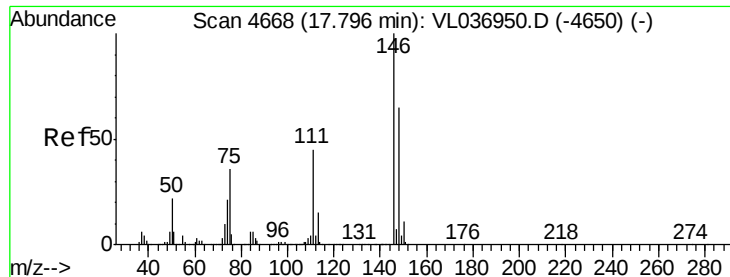
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#76
1,4-Dichlorobenzene
Concen: 10.085 ppbv
RT: 17.11 min Scan# 4456
Delta R.T. 0.00 min
Lab File: VL036950.D
Acq: 18 May 2021 1:58

Tgt Ion:146 Resp: 2669817
Ion Ratio Lower Upper
146 100
111 45.1 22.6 67.7
148 67.0 33.5 100.5





#77

1,2-Dichlorobenzene

Concen: 10.062 ppbv

RT: 17.80 min Scan# 4668

Delta R.T. 0.00 min

Lab File: VL036950.D

Acq: 18 May 2021 1:58

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion:146 Resp: 2699076

Ion Ratio Lower Upper

146 100

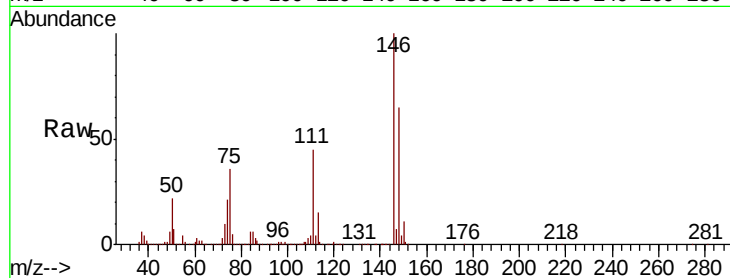
111 46.0 23.1 69.2

148 65.2 32.5 97.4

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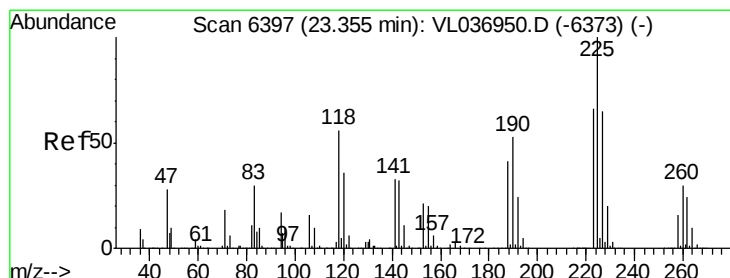
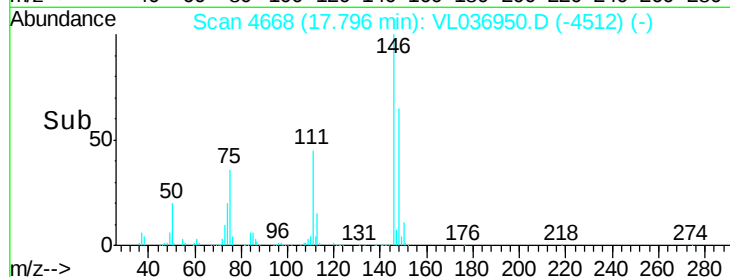
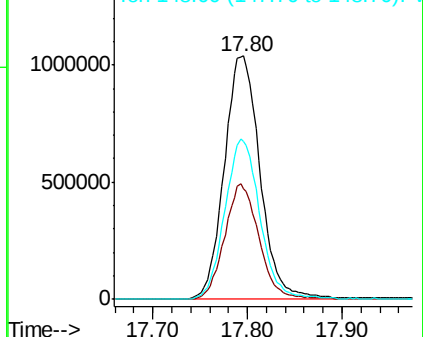
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Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V



#78

Hexachloro-1,3-Butadiene

Concen: 8.260 ppbv

RT: 23.36 min Scan# 6397

Delta R.T. 0.00 min

Lab File: VL036950.D

Acq: 18 May 2021 1:58

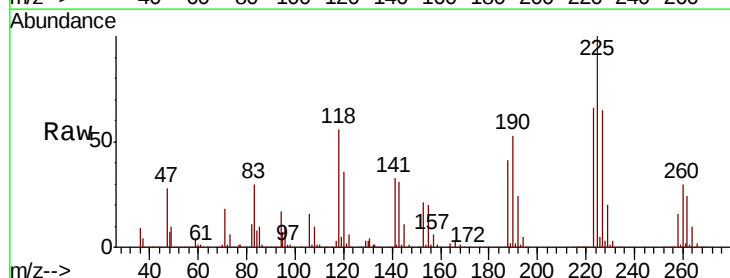
Tgt Ion:225 Resp: 1979108

Ion Ratio Lower Upper

225 100

223 64.7 51.9 77.9

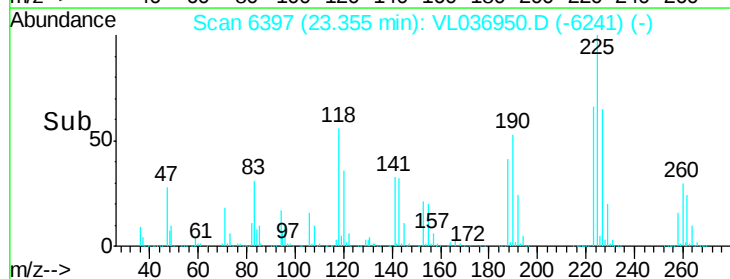
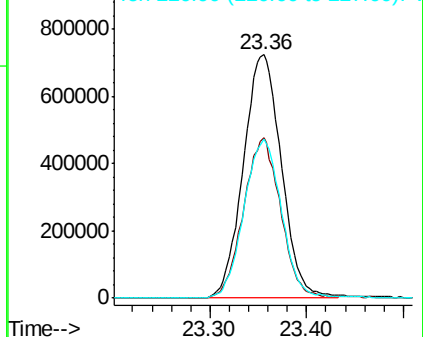
227 65.0 51.8 77.6

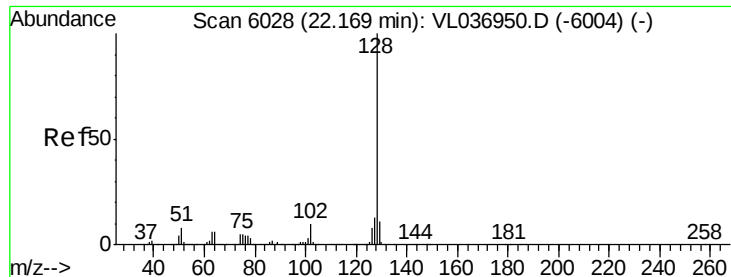


Abundance Ion 224.90 (224.60 to 225.60): V

Ion 222.90 (222.60 to 223.60): V

Ion 226.90 (226.60 to 227.60): V





#79

Naphthalene

Concen: 19.836 ppbv

RT: 22.17 min Scan# 6028

Delta R.T. 0.00 min

Lab File: VL036950.D

Acq: 18 May 2021 1:58

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion:128 Resp: 4094970

Ion Ratio Lower Upper

128 100

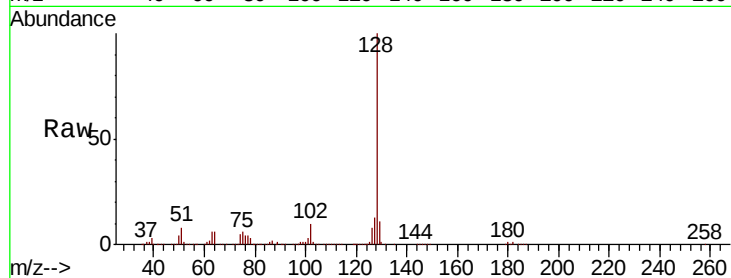
127 13.0 10.4 15.6

129 11.3 9.0 13.6

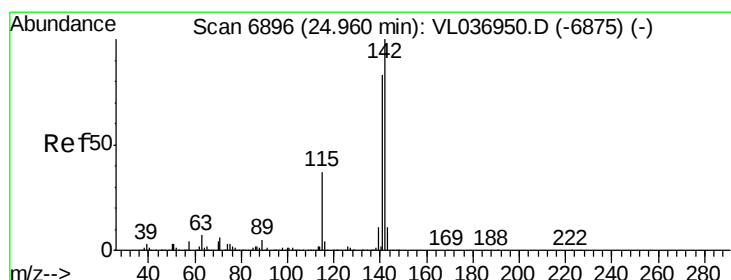
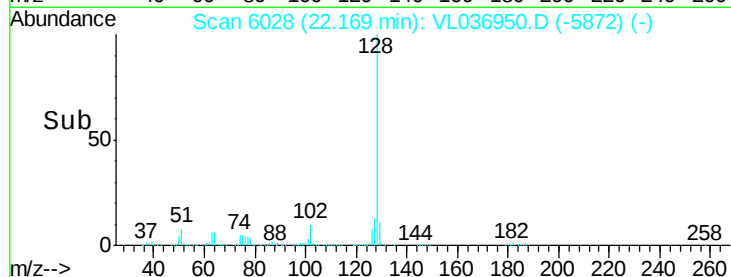
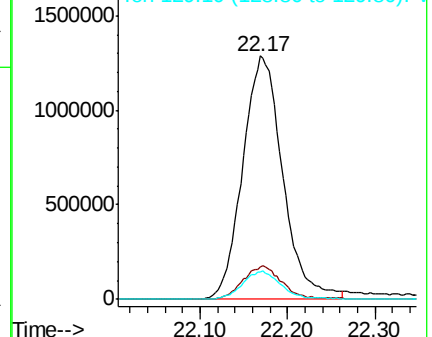
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Abundance Ion 128.10 (127.80 to 128.80): V
Ion 127.10 (126.80 to 127.80): V
Ion 129.10 (128.80 to 129.80): V



#80

Naphthalene, 2-methyl-

Concen: 28.597 ppbv

RT: 24.96 min Scan# 6896

Delta R.T. 0.00 min

Lab File: VL036950.D

Acq: 18 May 2021 1:58

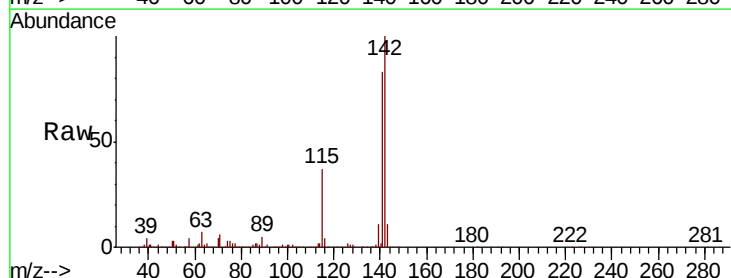
Tgt Ion:142 Resp: 865210

Ion Ratio Lower Upper

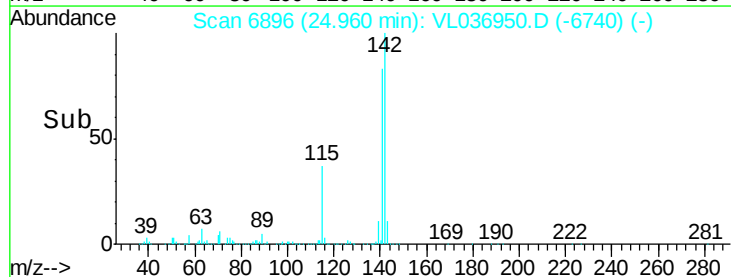
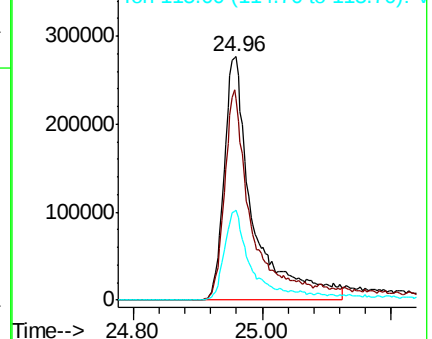
142 100

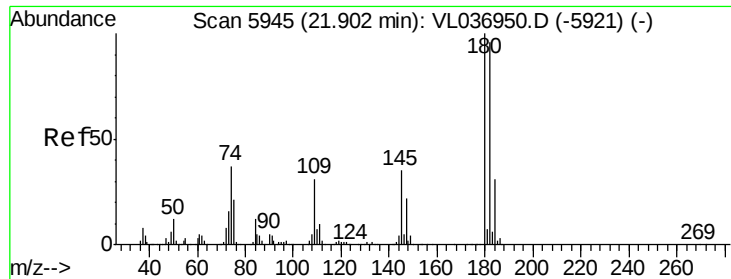
141 86.6 69.3 103.9

115 36.4 29.1 43.7



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: 15.598 ppbv
 RT: 21.90 min Scan# 5945
 Delta R.T. 0.00 min
 Lab File: VL036950.D
 Acq: 18 May 2021 1:58

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tot Ion	Ratio	Lower	Upper
180	100		
182	101.7	81.7	122.5
184	31.8	24.9	37.3

Manual Integrations
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