

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL051821\
 Data File : VL036983.D
 Acq On : 19 May 2021 00:08
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleID :
 VSTDCCC010EC

Manual Integrations
 APPROVED

MMDadoda
 5/20/2021 5:56:19 PM

Quant Time: May 19 08:52:25 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 12:00:15 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1195958	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.16	114	3637453	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.07	117	3774373m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.39	95	2842711	10.03	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.30%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.03	85	1987590	9.797	ppbv	100
3) Chlorodifluoromethane	2.97	51	2166148	9.886	ppbv	99
4) Chloromethane	3.12	50	760868	10.205	ppbv	100
5) Vinyl Chloride	3.24	62	805499	9.884	ppbv	100
6) Bromomethane	3.46	94	461988	10.758	ppbv	99
7) Chloroethane	3.54	64	273553	10.338	ppbv	98
8) Dichlorotetrafluoroethane	3.17	85	1892655	9.936	ppbv	98
9) Propene	3.00	41	772450	9.846	ppbv	99
10) Heptane	8.10	43	1830435	9.362	ppbv	99
11) Trichlorofluoromethane	3.93	101	1919286	10.220	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.47	101	1343101	10.041	ppbv	98
13) Ethanol	3.60	45	80500m	7.690	ppbv	
14) Bromoethene	3.72	108	596028	10.116	ppbv	99
15) Acetone	3.84	43	1013140	8.271	ppbv	97
16) 1,3-Butadiene	3.31	39	763092	10.027	ppbv	98
17) tert-Butyl alcohol	4.27	59	1067620	9.515	ppbv	100
18) 1,1-Dichloroethene	4.27	96	623397	10.078	ppbv	99
19) Isopropyl Alcohol	3.95	45	616684	9.365	ppbv #	34
20) Methylene Chloride	4.33	84	518018	7.889	ppbv	98
21) Allyl Chloride	4.40	41	926371	10.024	ppbv	96
22) trans-1,2-Dichloroethene	4.87	96	613012	10.341	ppbv	97
23) Vinyl Acetate	5.06	43	1932294	9.938	ppbv #	99
24) 1,1-Dichloroethane	4.99	63	1441867	10.302	ppbv	100
25) Ethyl Acetate	5.66	43	2786590	9.467	ppbv	100
26) Hexane	5.67	57	1358132	9.032	ppbv	99
27) Carbon Disulfide	4.53	76	1457019	9.614	ppbv	99
28) Methyl tert-Butyl Ether	5.02	73	1701203	9.438	ppbv	99
29) Chloroform	5.74	83	2060397	9.698	ppbv	98
30) Cyclohexane	7.11	84	1191321	9.323	ppbv	99
31) cis-1,2-Dichloroethene	5.53	61	1315489	9.757	ppbv	97
32) 1,1,1-Trichloroethane	6.49	97	2088089	9.153	ppbv	99
34) 2-Butanone	5.23	43	1319584	9.963	ppbv	99
35) Carbon Tetrachloride	7.00	117	2161645	8.944	ppbv	100
36) Benzene	6.87	78	2838796	9.061	ppbv	100
37) 1,2-Dichloroethane	6.29	62	1530785	9.855	ppbv	100
38) Trichloroethene	7.82	130	1133380	8.456	ppbv	99
39) 1,2-Dichloropropane	7.59	63	1096603	9.086	ppbv	97
40) 1,4-Dioxane	7.82	88	279317m	9.801	ppbv	
41) Tetrahydrofuran	6.03	42	679879	9.013	ppbv	99
42) Bromodichloromethane	7.77	83	2223388	9.461	ppbv	98
43) Methyl Methacrylate	7.99	69	1033991	9.575	ppbv	98

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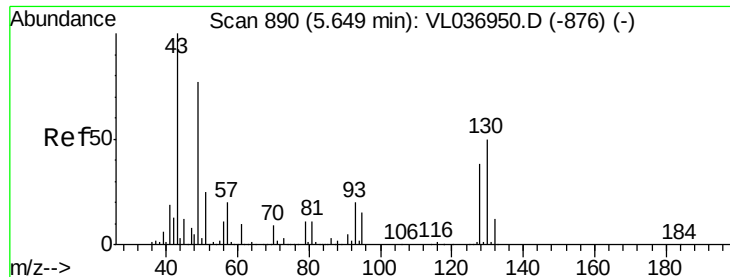
Manual Integrations
 APPROVED

MMDadoda
 5/20/2021 5:56:19 PM

Quant Time: May 19 08:52:25 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 12:00:15 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.85	57	4689375	8.724	ppbv	100
45) t-1,3-Dichloropropene	9.26	75	1017170	12.329	ppbv	97
46) cis-1,3-Dichloropropene	8.68	75	1340620	12.081	ppbv	99
47) 1,1,2-Trichloroethane	9.46	97	1182122	9.358	ppbv	99
48) Dibromochloromethane	10.28	129	2120717	10.368	ppbv	100
49) Bromoform	13.02	173	1764470	10.446	ppbv	99
50) 4-Methyl-2-Pentanone	8.73	43	2058235	9.417	ppbv	98
51) 2-Hexanone	10.12	43	1139564	9.863	ppbv	98
52) Tetrachloroethene	11.20	164	1223195	9.818	ppbv	94
53) Toluene	9.78	91	3472927	9.316	ppbv	99
54) 1,2-Dibromoethane	10.59	107	1875859	10.445	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.10	131	1420597	8.945	ppbv	98
57) Chlorobenzene	12.13	112	2698474	9.221	ppbv	96
58) Ethyl Benzene	12.69	91	4744316	8.906	ppbv	98
59) m/p-Xylene	12.98	91	7818201m	17.755	ppbv	
60) o-Xylene	13.67	91	3697177	8.804	ppbv	99
61) Styrene	13.51	104	2285576	9.660	ppbv	100
62) Isopropylbenzene	14.64	105	5244846	8.690	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.65	83	2544283	8.112	ppbv	99
64) n-propylbenzene	15.54	120	1446007	9.286	ppbv	99
65) tert-Butylbenzene	16.73	119	4697525	8.625	ppbv	99
66) Benzyl Chloride	16.97	91	250230	8.281	ppbv	97
67) sec-Butylbenzene	17.27	105	6391488	8.603	ppbv	99
69) p-Isopropyltoluene	17.63	119	5560776	8.705	ppbv	100
70) n-Butylbenzene	18.53	91	5340877	8.801	ppbv	99
71) 2-Chlorotoluene	15.43	91	3917953	8.988	ppbv	99
72) 4-Ethyltoluene	15.82	105	4604257	9.237	ppbv	99
73) 1,3,5-Trimethylbenzene	15.98	105	4138995	8.843	ppbv	99
74) 1,2,4-Trimethylbenzene	16.74	105	4272827	8.829	ppbv	98
75) 1,3-Dichlorobenzene	16.98	146	2727242	9.228	ppbv	99
76) 1,4-Dichlorobenzene	17.11	146	2639018	8.832	ppbv	99
77) 1,2-Dichlorobenzene	17.80	146	2632932	8.891	ppbv	99
78) Hexachloro-1,3-Butadiene	23.36	225	1843775	7.743	ppbv	100
79) Naphthalene	22.17	128	3999503	10.532	ppbv	99
80) Naphthalene, 2-methyl-	24.96	142	1167199	14.135	ppbv	99
81) 1,2,4-Trichlorobenzene	21.90	180	2235465	9.657	ppbv	100

(#) = 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: VL036983.D

Acq: 19 May 2021 00:08

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 49 Resp: 1195958

Ion Ratio Lower Upper

49 100

128 56.1 26.9 80.7

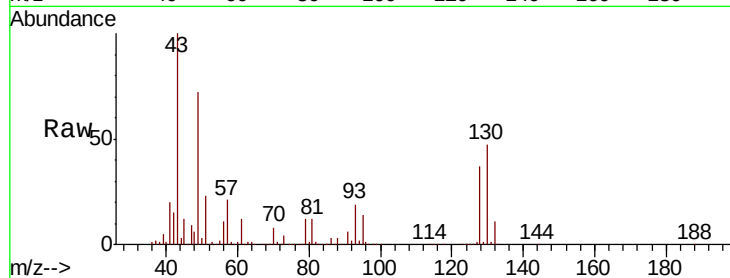
130 70.1 33.8 101.4

Manual Integrations

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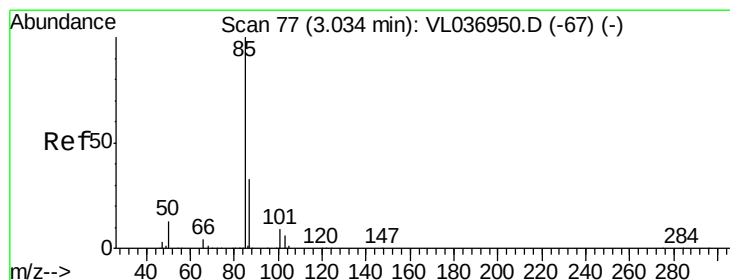
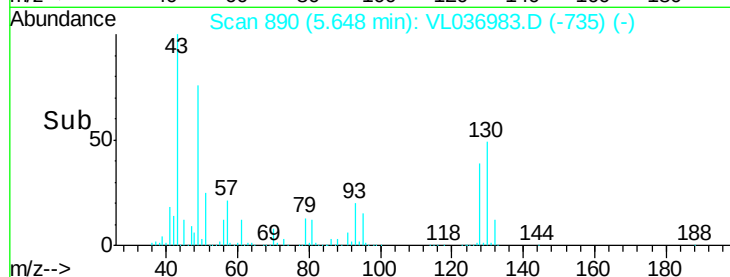
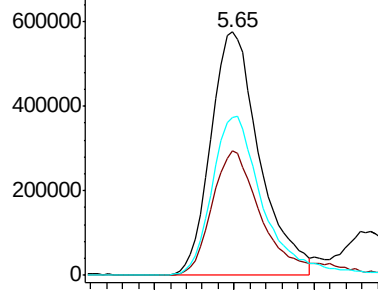
5/20/2021 5:56:19 PM



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: 9.797 ppbv

RT: 3.03 min Scan# 77

Delta R.T. -0.00 min

Lab File: VL036983.D

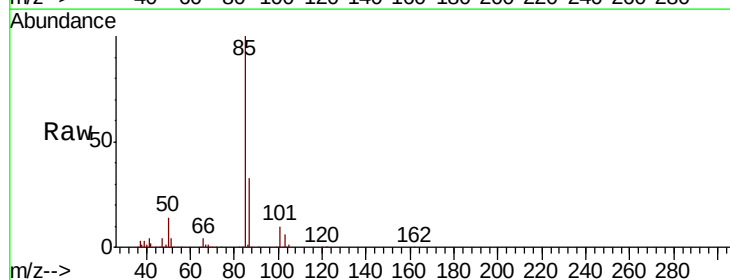
Acq: 19 May 2021 00:08

Tgt Ion: 85 Resp: 1987590

Ion Ratio Lower Upper

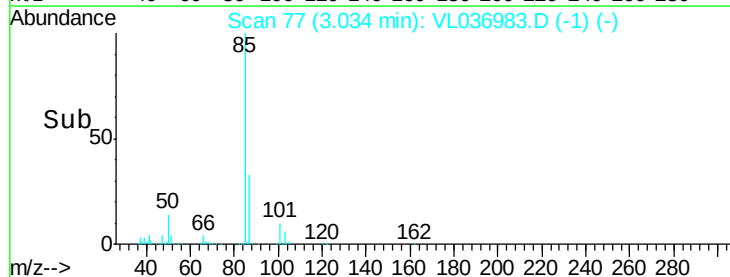
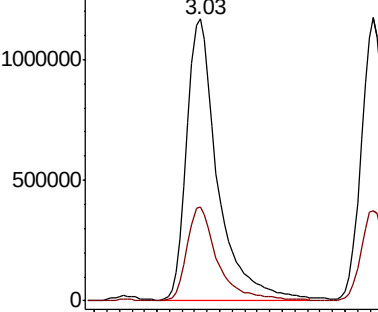
85 100

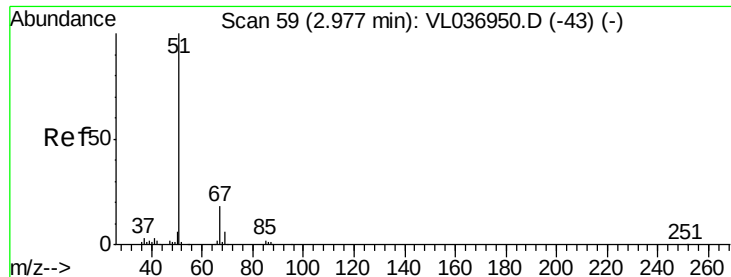
87 33.4 26.6 39.8



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 9.886 ppbv

RT: 2.97 min Scan# 58

Delta R.T. -0.00 min

Lab File: VL036983.D

Acq: 19 May 2021 00:08

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 51 Resp: 2166148

Ion Ratio Lower Upper

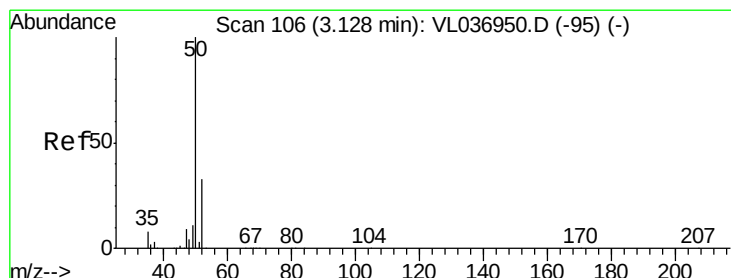
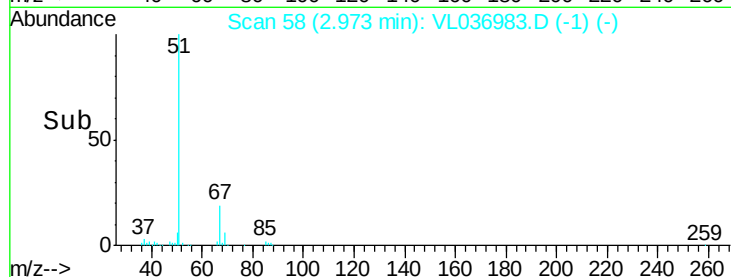
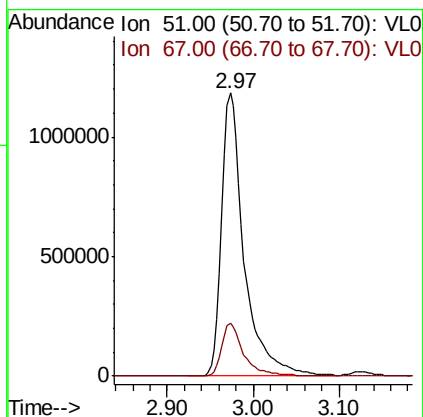
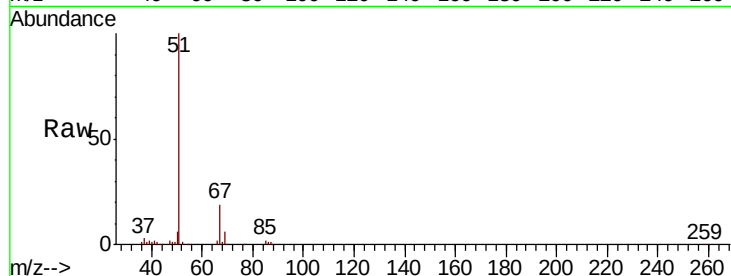
51 100

67 18.5 14.6 21.8

Manual Integrations
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5/20/2021 5:56:19 PM



#4

Chloromethane

Concen: 10.205 ppbv

RT: 3.12 min Scan# 105

Delta R.T. -0.00 min

Lab File: VL036983.D

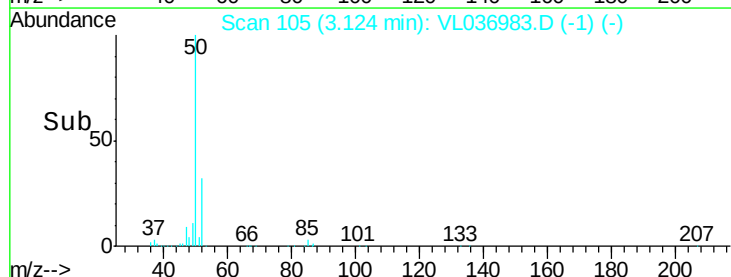
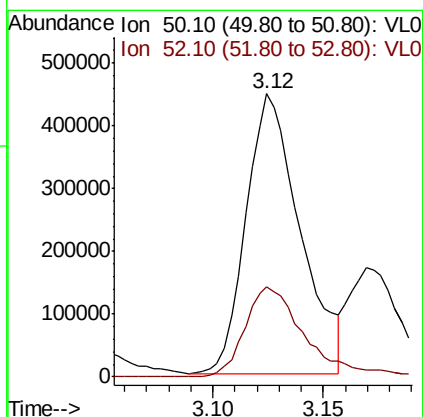
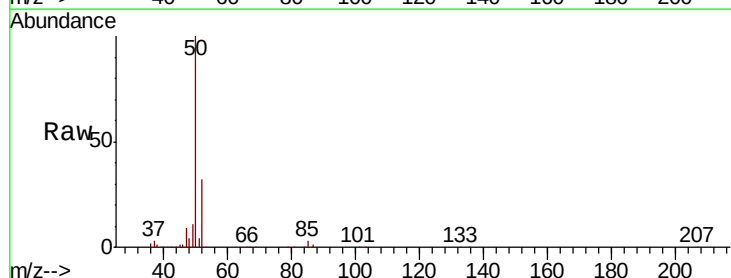
Acq: 19 May 2021 00:08

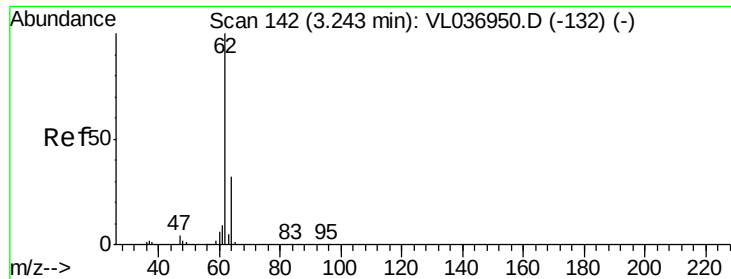
Tgt Ion: 50 Resp: 760868

Ion Ratio Lower Upper

50 100

52 32.4 26.1 39.1





#5

Vinyl Chloride

Concen: 9.884 ppbv

RT: 3.24 min Scan# 141

Delta R.T. -0.00 min

Lab File: VL036983.D

Acq: 19 May 2021 00:08

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 62 Resp: 805499

Ion Ratio Lower Upper

62 100

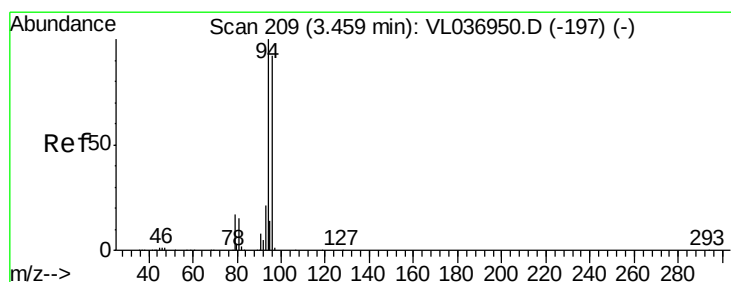
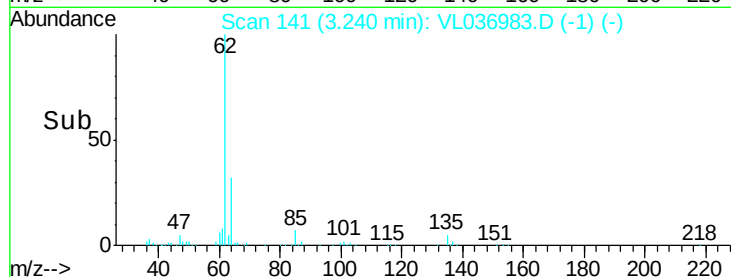
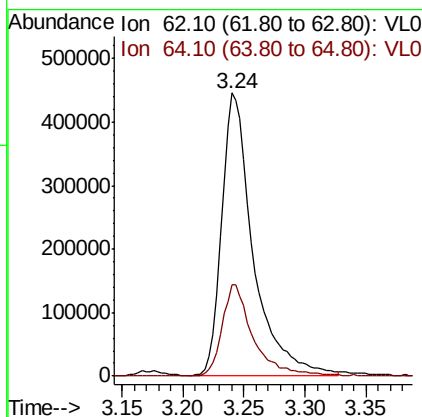
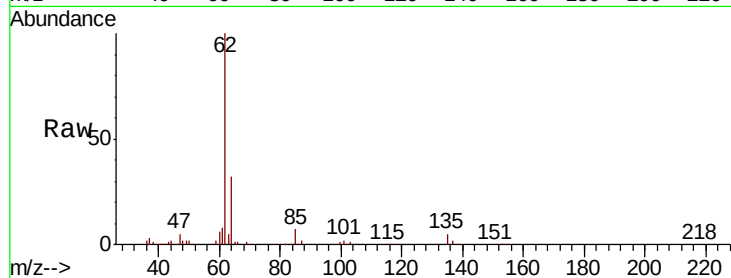
64 32.2 25.9 38.9

Manual Integrations

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5/20/2021 5:56:19 PM



#6

Bromomethane

Concen: 10.758 ppbv

RT: 3.46 min Scan# 209

Delta R.T. -0.00 min

Lab File: VL036983.D

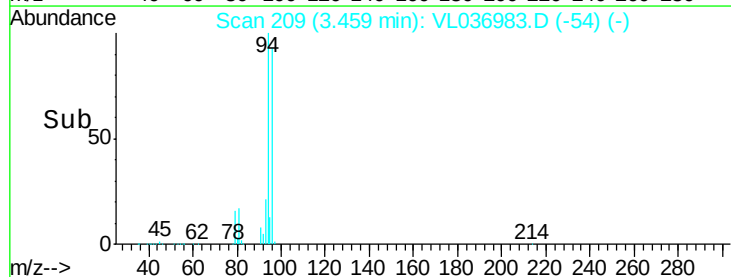
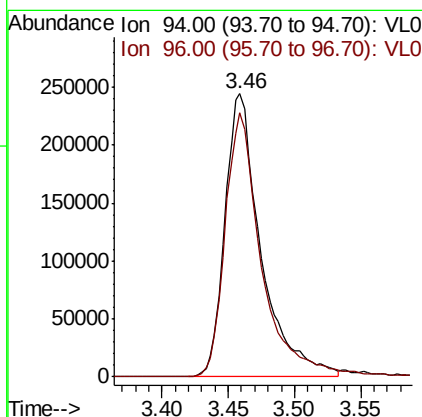
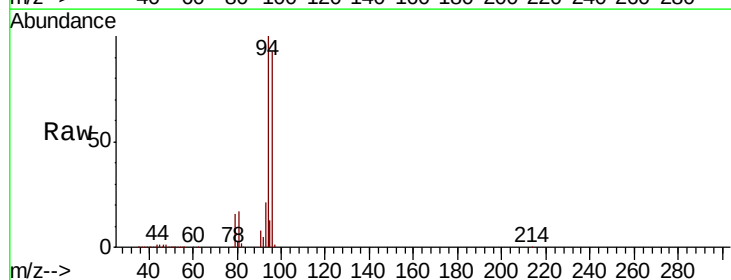
Acq: 19 May 2021 00:08

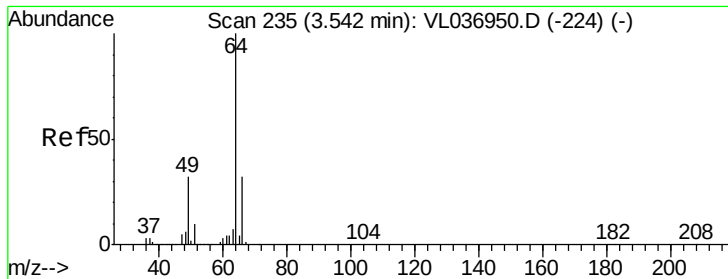
Tgt Ion: 94 Resp: 461988

Ion Ratio Lower Upper

94 100

96 93.4 74.0 111.0





#7

Chloroethane

Concen: 10.338 ppbv

RT: 3.54 min Scan# 235

Delta R.T. -0.00 min

Lab File: VL036983.D

Acq: 19 May 2021 00:08

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 64 Resp: 273553

Ion Ratio Lower Upper

64 100

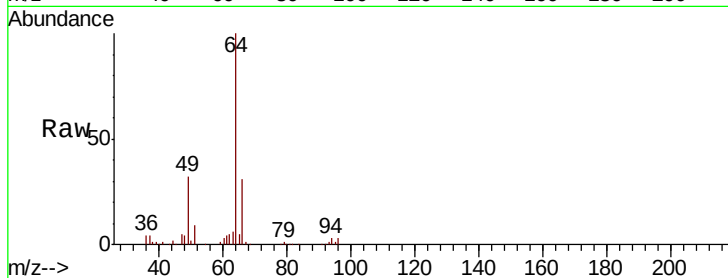
66 30.9 25.4 38.2

Manual Integrations

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5/20/2021 5:56:19 PM



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0

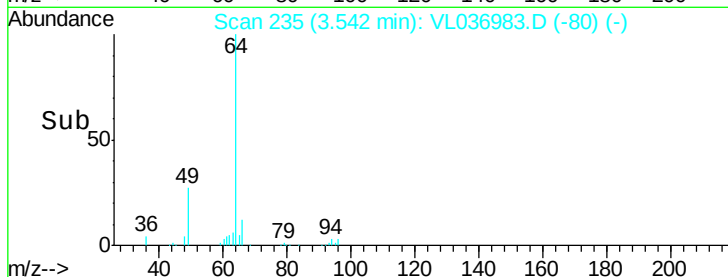
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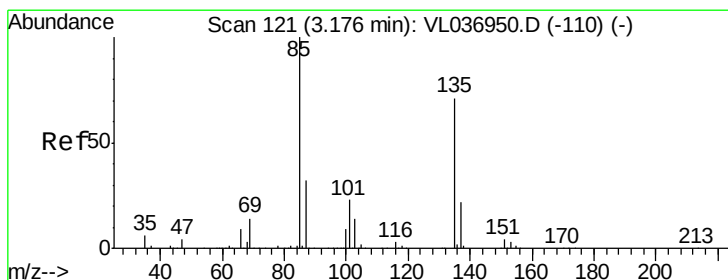
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Time-->



Time-->



#8

Dichlorotetrafluoroethane

Concen: 9.936 ppbv

RT: 3.17 min Scan# 120

Delta R.T. -0.00 min

Lab File: VL036983.D

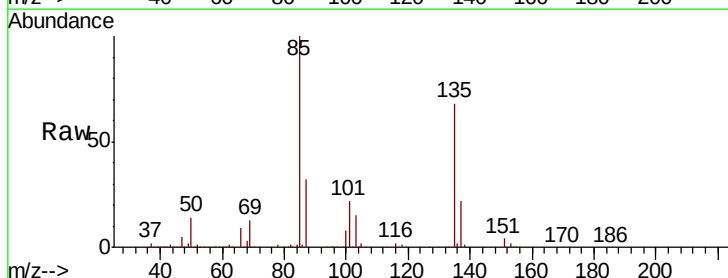
Acq: 19 May 2021 00:08

Tgt Ion: 85 Resp: 1892655

Ion Ratio Lower Upper

85 100

135 73.9 57.7 86.5



Abundance Ion 85.00 (84.70 to 85.70): VL0

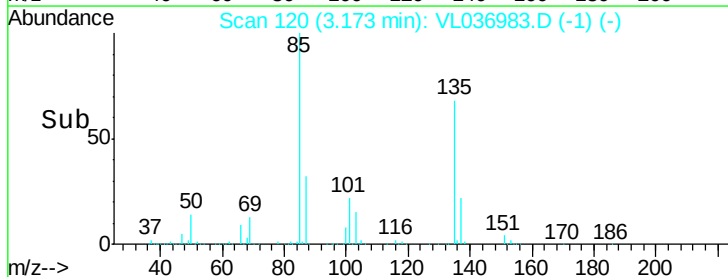
Ion 135.00 (134.70 to 135.70): V

1000000

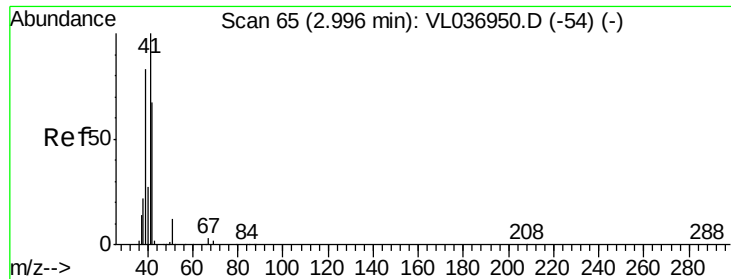
500000

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Time-->



Time-->



#9

Propene

Concen: 9.846 ppbv

RT: 3.00 min Scan# 65

Delta R.T. -0.00 min

Lab File: VL036983.D

Acq: 19 May 2021 00:08

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 41 Resp: 772450

Ion Ratio Lower Upper

41 100

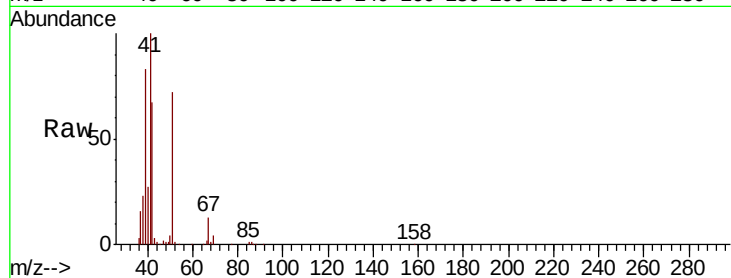
42 68.4 53.9 80.9

Manual Integrations

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Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

3.00

400000

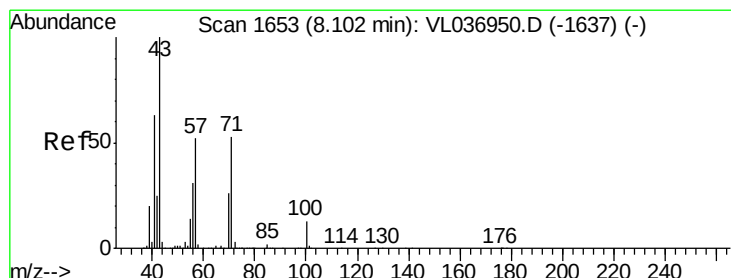
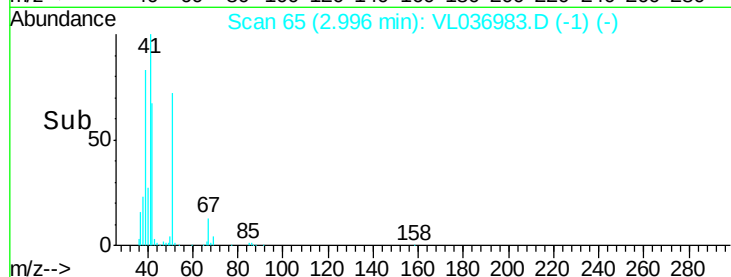
300000

200000

100000

0

Time-->



#10

Heptane

Concen: 9.362 ppbv

RT: 8.10 min Scan# 1653

Delta R.T. -0.00 min

Lab File: VL036983.D

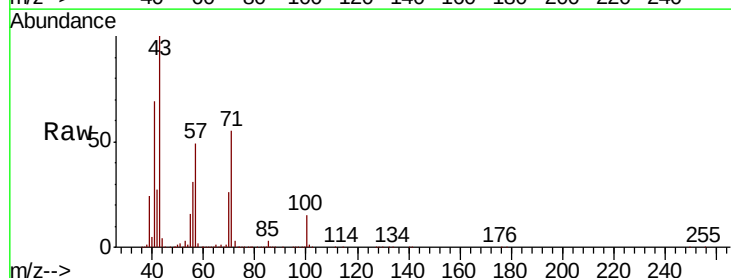
Acq: 19 May 2021 00:08

Tgt Ion: 43 Resp: 1830435

Ion Ratio Lower Upper

43 100

57 50.7 41.0 61.6



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

8.10

800000

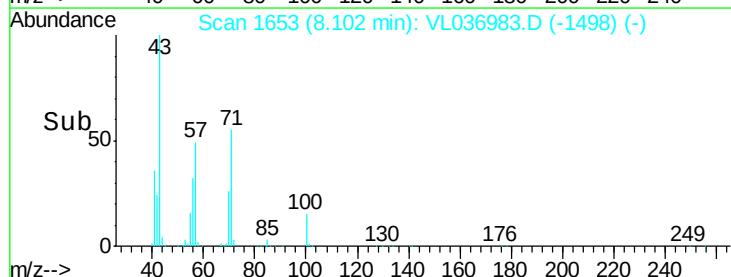
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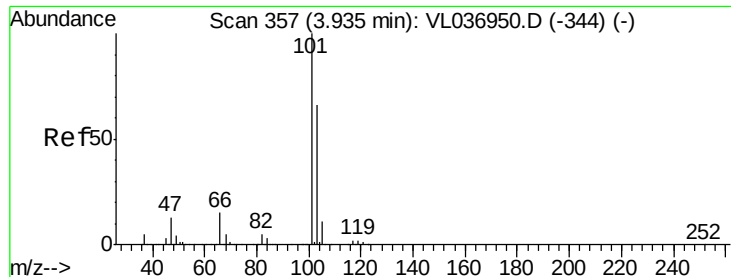
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200000

0

Time-->





#11

Trichlorofluoromethane

Concen: 10.220 ppbv

RT: 3.93 min Scan# 357

Delta R.T. -0.00 min

Lab File: VL036983.D

Acq: 19 May 2021 00:08

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:101 Resp: 1919286

Ion Ratio Lower Upper

101 100

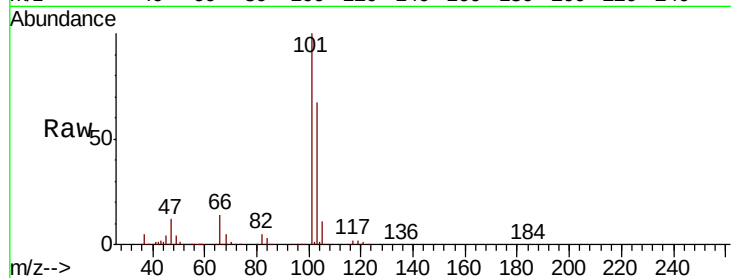
103 66.7 52.6 79.0

Manual Integrations

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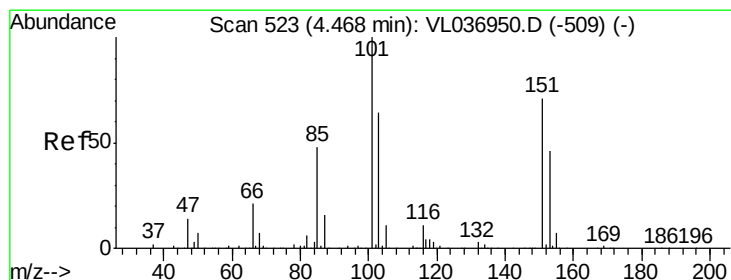
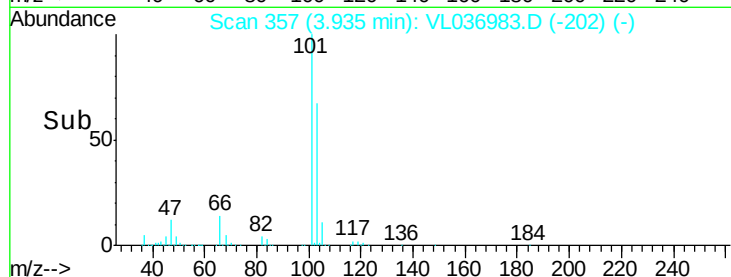
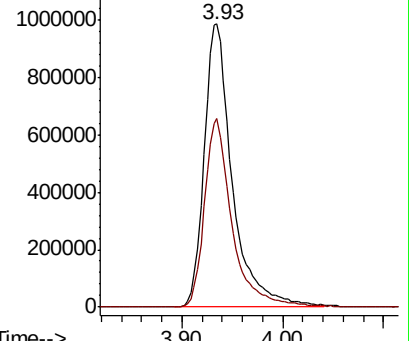
MMDadoda

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Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#12

1,1,2-Trichlorotrifluoroethane

Concen: 10.041 ppbv

RT: 4.47 min Scan# 522

Delta R.T. -0.00 min

Lab File: VL036983.D

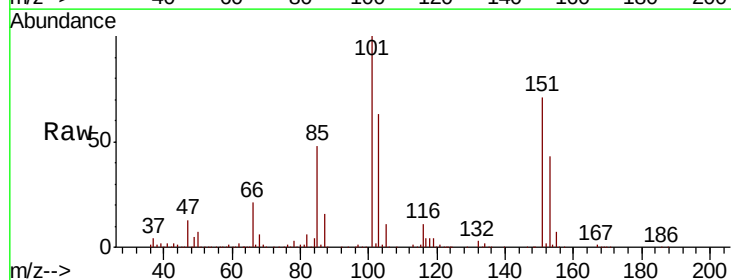
Acq: 19 May 2021 00:08

Tgt Ion:101 Resp: 1343101

Ion Ratio Lower Upper

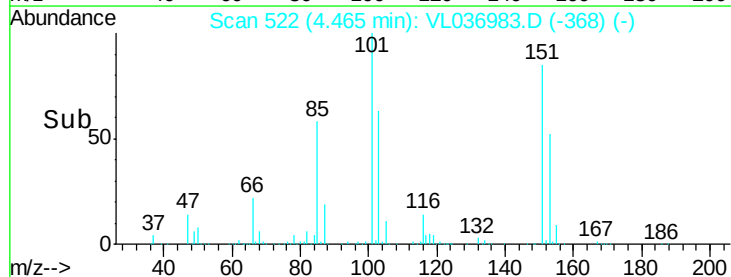
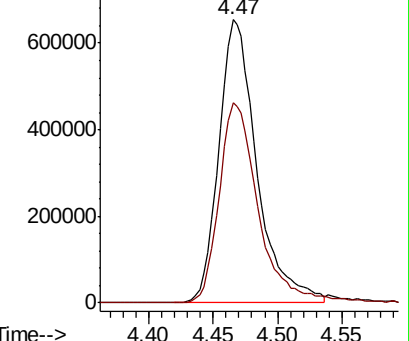
101 100

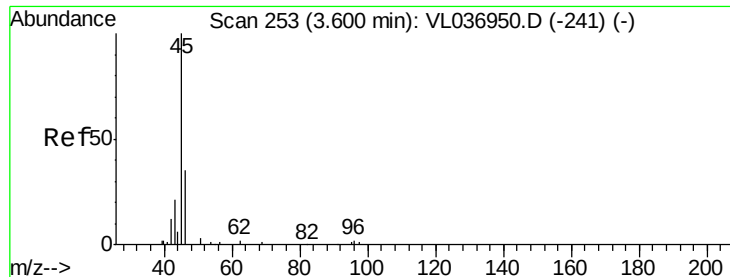
151 73.5 57.7 86.5



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V





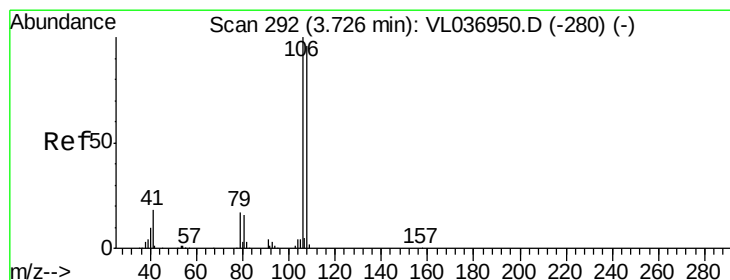
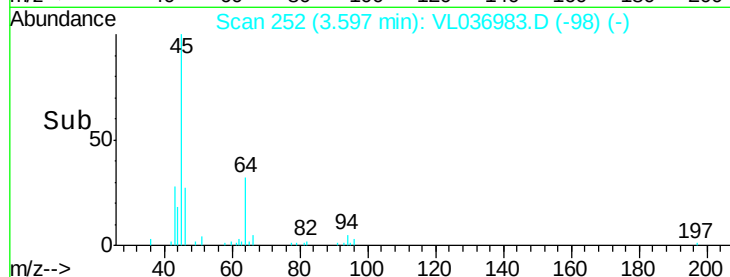
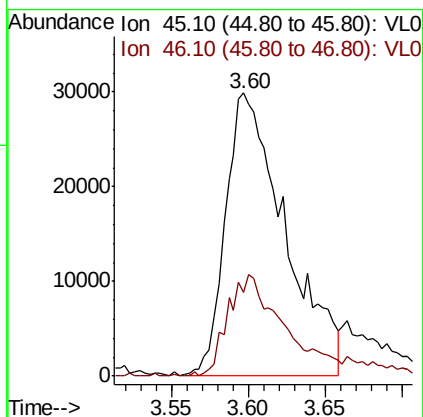
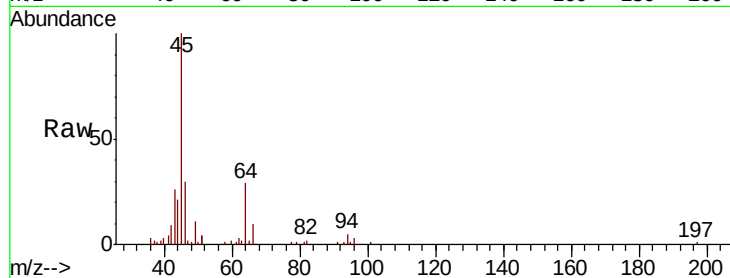
#13
Ethanol
Concen: 7.690 ppbv m
RT: 3.60 min Scan# 252
Delta R.T. -0.00 min
Lab File: VL036983.D
Acq: 19 May 2021 00:08

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	45	Resp	80500
Ion Ratio	100	Lower	Upper
45	100		
46	39.0	16.3	65.3

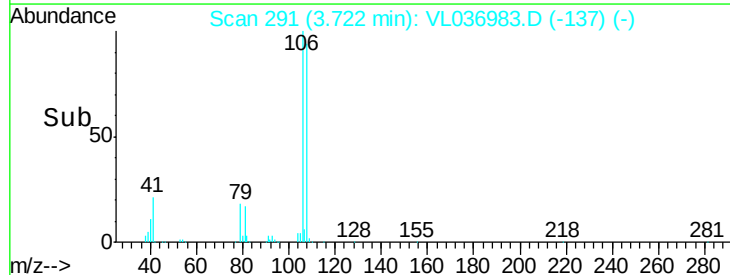
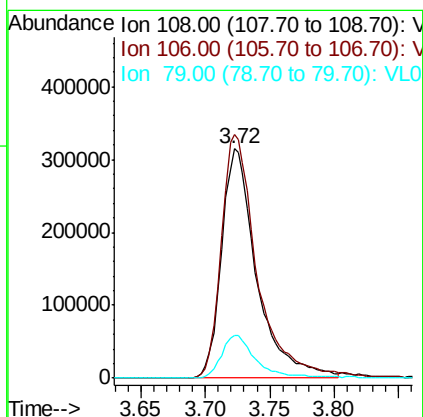
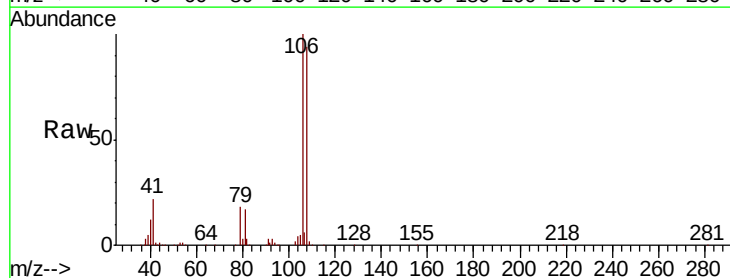
Manual Integrations
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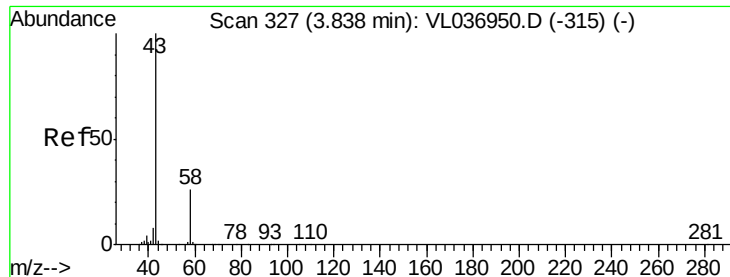
MMDadoda
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#14
Bromoethene
Concen: 10.116 ppbv
RT: 3.72 min Scan# 291
Delta R.T. -0.00 min
Lab File: VL036983.D
Acq: 19 May 2021 00:08

Tgt Ion	108	Resp	596028
Ion Ratio	100	Lower	Upper
108	100		
106	109.1	86.5	129.7
79	19.0	15.0	22.4





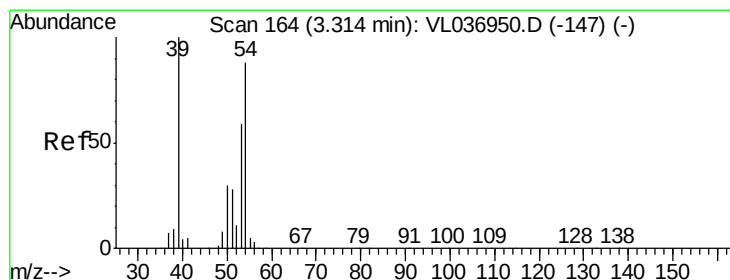
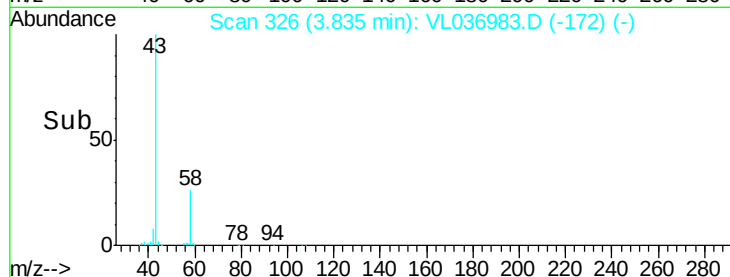
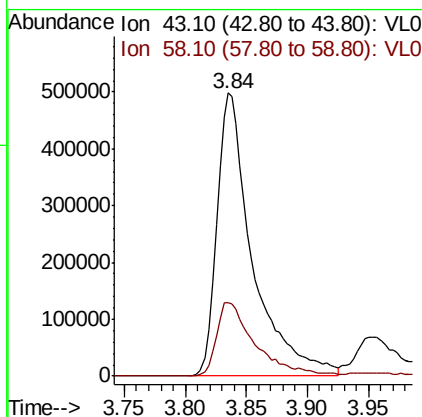
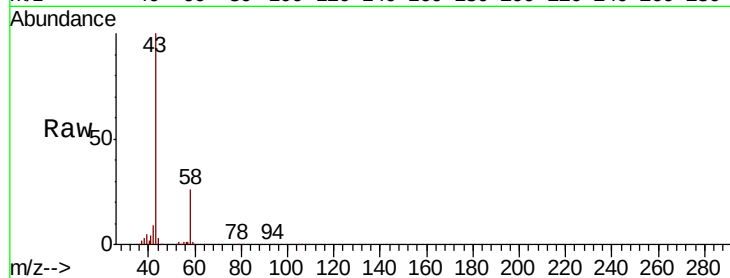
#15
Acetone
Concen: 8.271 ppbv
RT: 3.84 min Scan# 326
Delta R.T. -0.00 min
Lab File: VL036983.D
Acq: 19 May 2021 00:08

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 43 Resp: 1013140
Ion Ratio Lower Upper
43 100
58 28.4 24.0 36.0

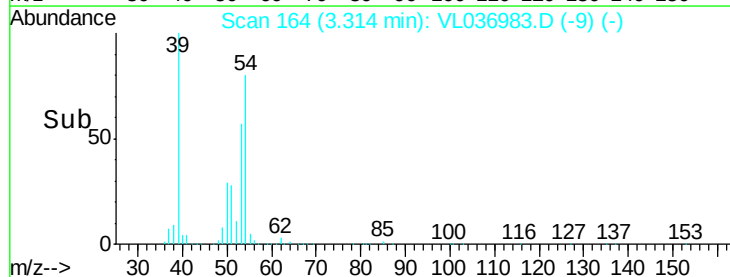
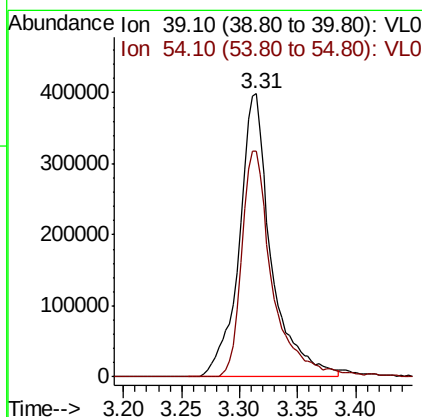
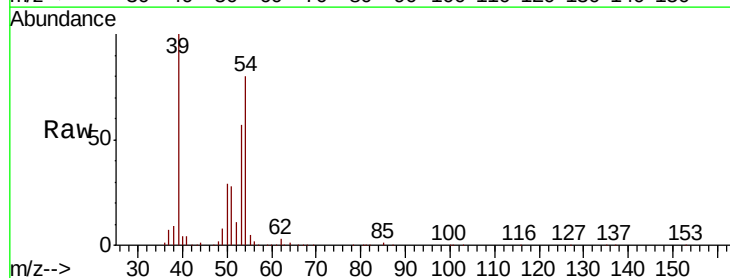
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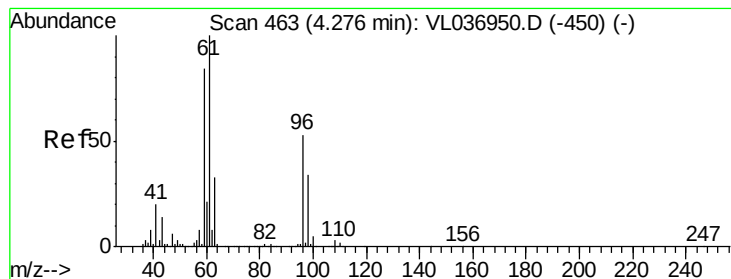
MMDadoda
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#16
1,3-Butadiene
Concen: 10.027 ppbv
RT: 3.31 min Scan# 164
Delta R.T. -0.00 min
Lab File: VL036983.D
Acq: 19 May 2021 00:08

Tgt Ion: 39 Resp: 763092
Ion Ratio Lower Upper
39 100
54 77.5 63.2 94.8





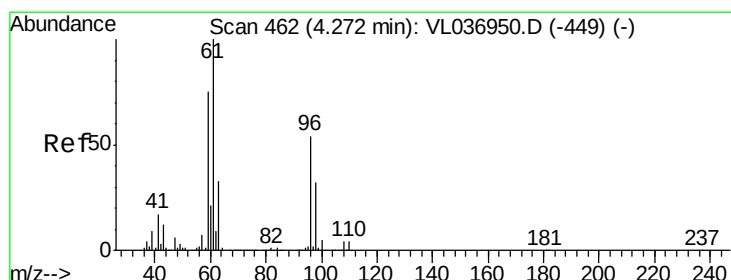
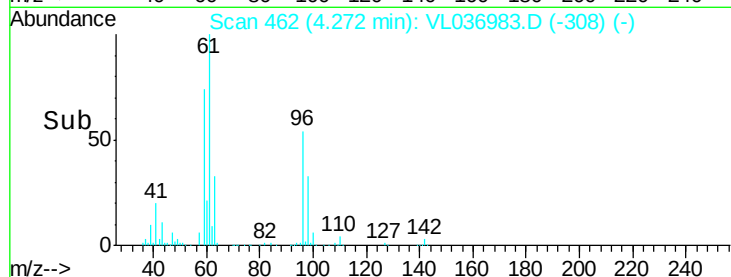
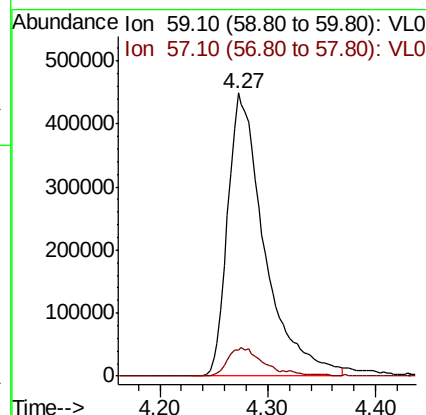
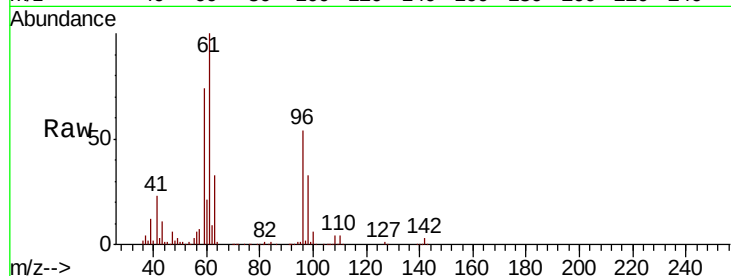
#17
 tert-Butyl alcohol
 Concen: 9.515 ppbv
 RT: 4.27 min Scan# 462
 Delta R.T. -0.00 min
 Lab File: VL036983.D
 Acq: 19 May 2021 00:08

Instrument :
 MSVOA_L
 ClientSampleID :
 VSTDCCC010EC

Tot Ion: 59 Resp: 1067620
 Ion Ratio Lower Upper
 59 100
 57 10.5 8.3 12.5

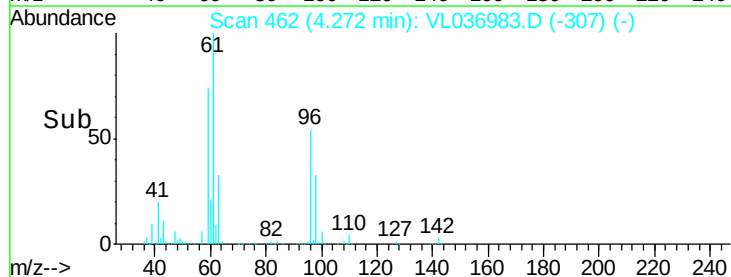
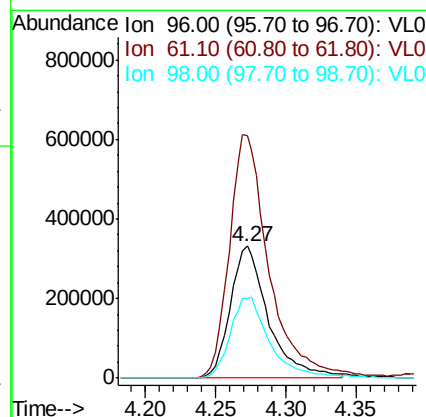
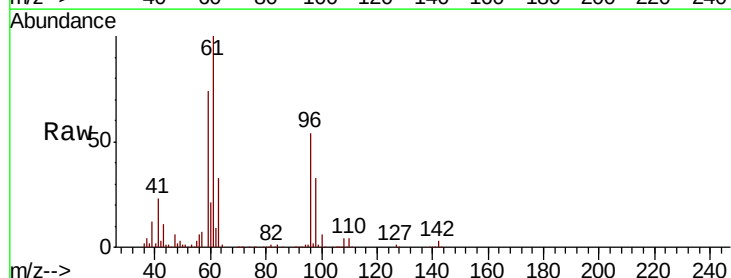
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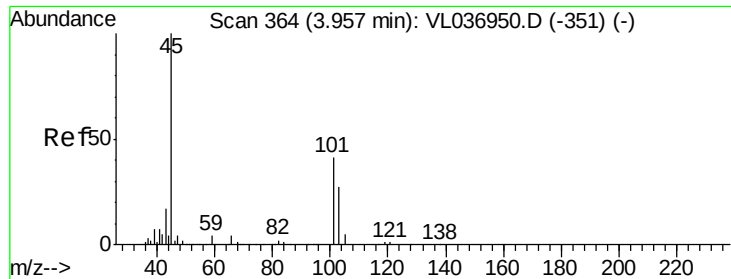
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#18
 1,1-Dichloroethene
 Concen: 10.078 ppbv
 RT: 4.27 min Scan# 462
 Delta R.T. -0.00 min
 Lab File: VL036983.D
 Acq: 19 May 2021 00:08

Tgt Ion: 96 Resp: 623397
 Ion Ratio Lower Upper
 96 100
 61 183.8 148.2 222.4
 98 60.4 47.8 71.6





#19

Isopropyl Alcohol

Concen: 9.365 ppbv

RT: 3.95 min Scan# 363

Delta R.T. -0.00 min

Lab File: VL036983.D

Acq: 19 May 2021 00:08

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 45 Resp: 616684

Ion Ratio Lower Upper

45 100

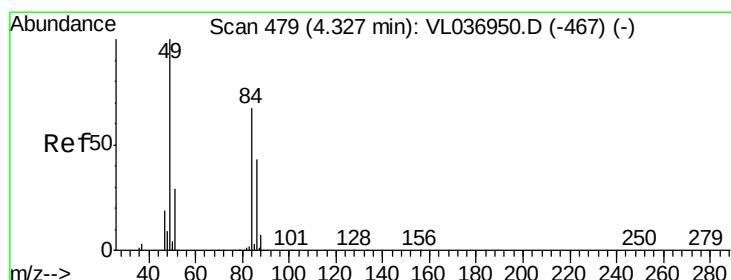
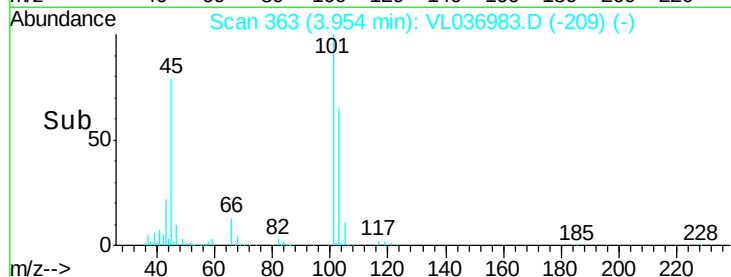
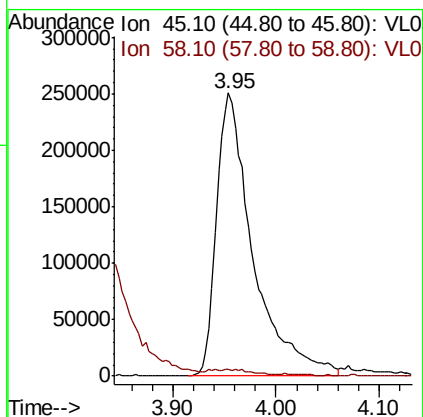
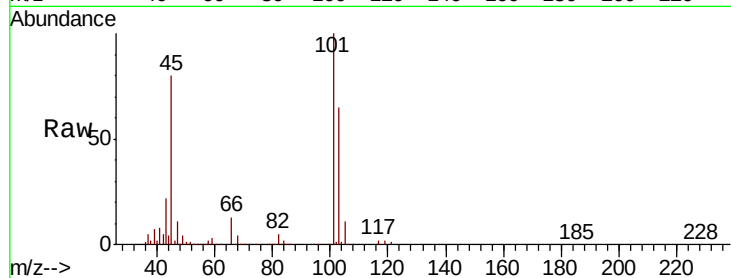
58 2.9 37.2 55.8#

Manual Integrations

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5/20/2021 5:56:19 PM



#20

Methylene Chloride

Concen: 7.889 ppbv

RT: 4.33 min Scan# 479

Delta R.T. -0.00 min

Lab File: VL036983.D

Acq: 19 May 2021 00:08

Tgt Ion: 84 Resp: 518018

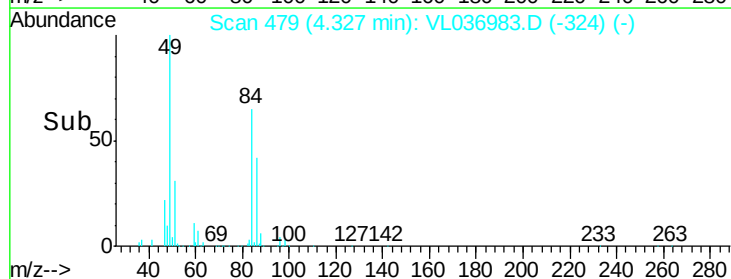
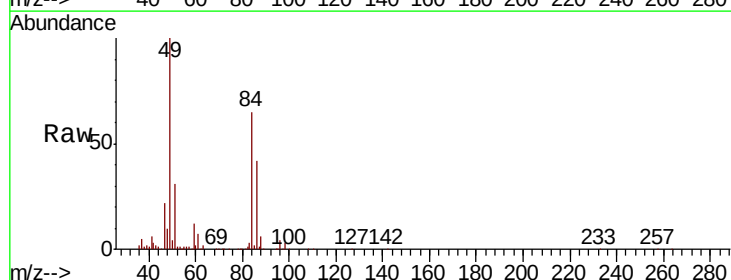
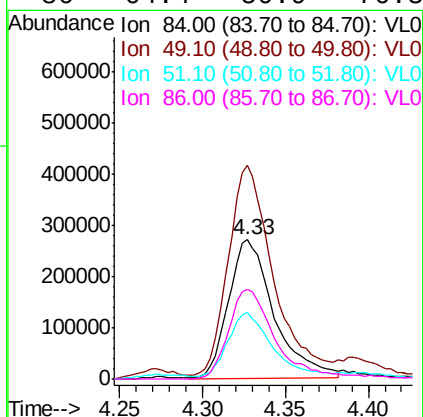
Ion Ratio Lower Upper

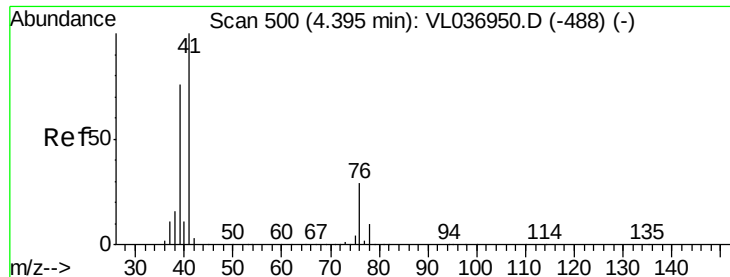
84 100

49 152.1 119.8 179.6

51 46.9 35.1 52.7

86 64.4 50.9 76.3





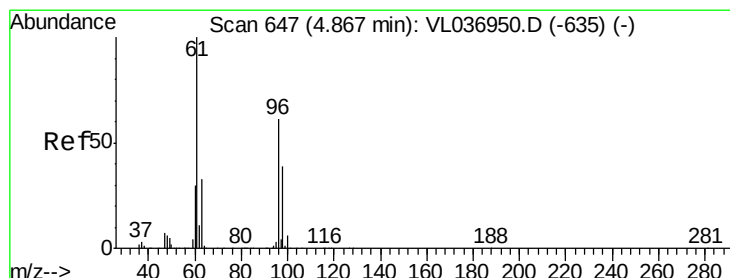
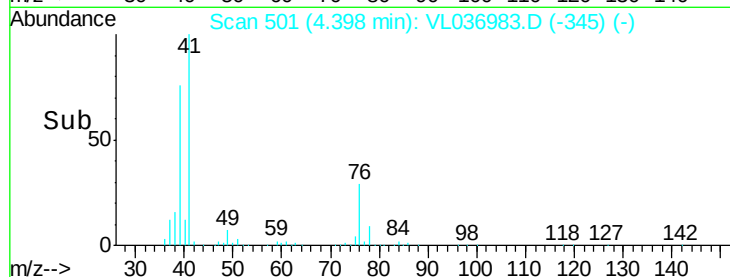
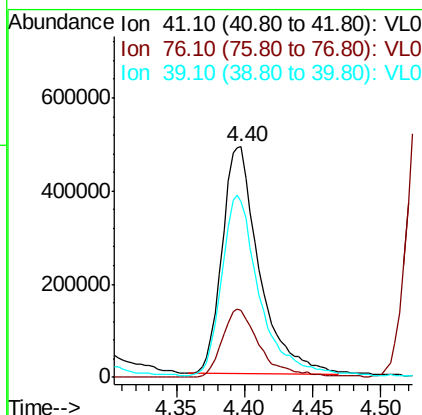
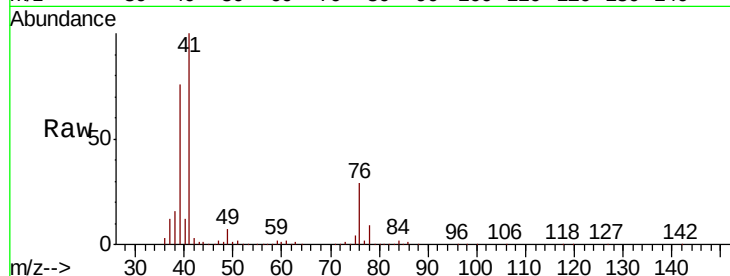
#21
Allvl Chloride
Concen: 10.024 ppbv
RT: 4.40 min Scan# 501
Delta R.T. 0.00 min
Lab File: VL036983.D
Acq: 19 May 2021 00:08

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
41	100		
76	30.6	24.9	37.3
39	84.5	63.7	95.5

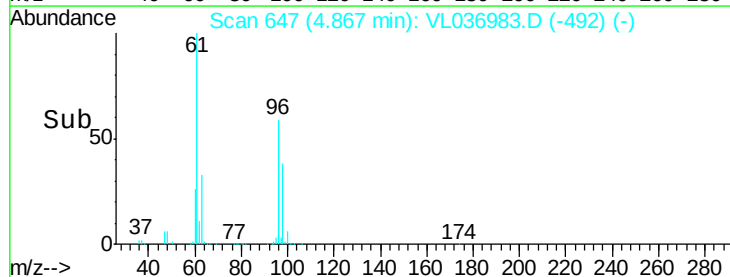
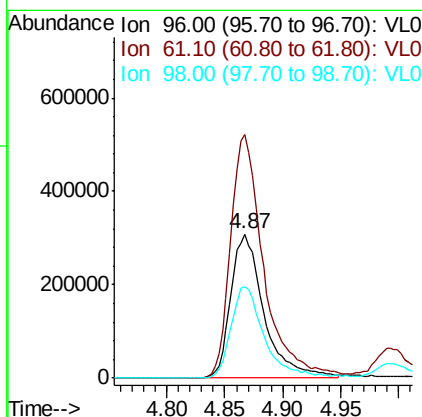
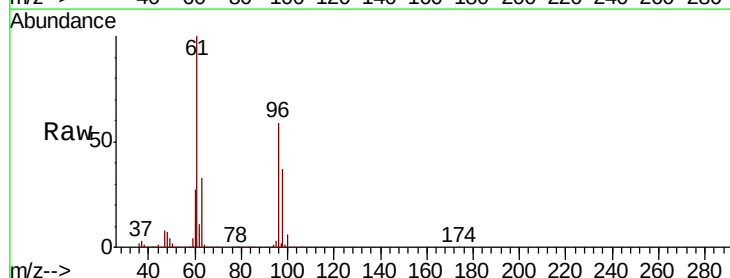
Manual Integrations
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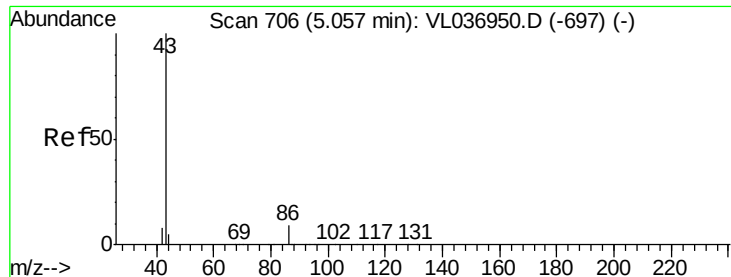
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#22
trans-1,2-Dichloroethene
Concen: 10.341 ppbv
RT: 4.87 min Scan# 647
Delta R.T. -0.00 min
Lab File: VL036983.D
Acq: 19 May 2021 00:08

Tgt Ion	Ratio	Lower	Upper
96	100		
61	169.4	130.6	196.0
98	63.3	50.8	76.2





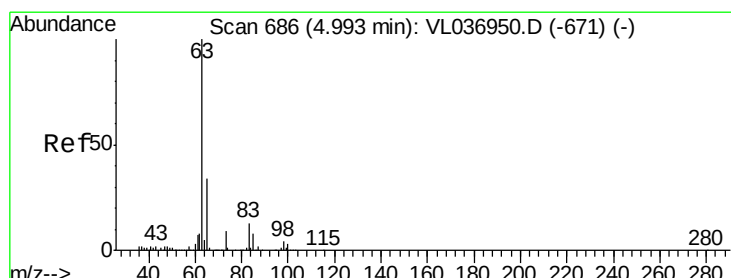
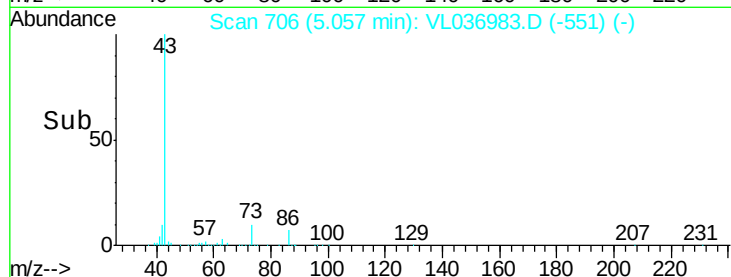
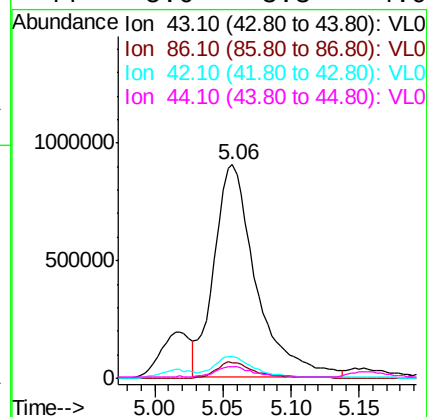
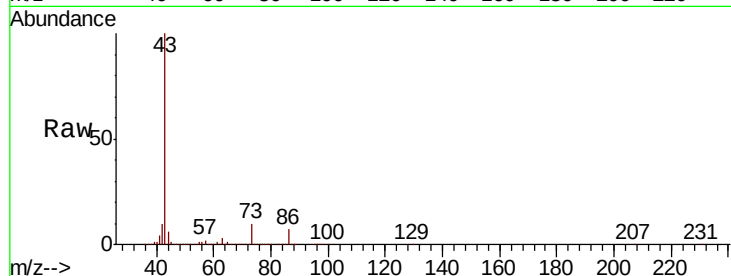
#23
 Vinyl Acetate
 Concen: 9.938 ppbv
 RT: 5.06 min Scan# 706
 Delta R.T. -0.00 min
 Lab File: VL036983.D
 Acq: 19 May 2021 00:08

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	43	Resp	1932294
Ion	Ratio	Lower	Upper
43	100		
86	7.4	5.8	8.8
42	9.7	7.4	11.2
44	5.0	3.3	4.9#

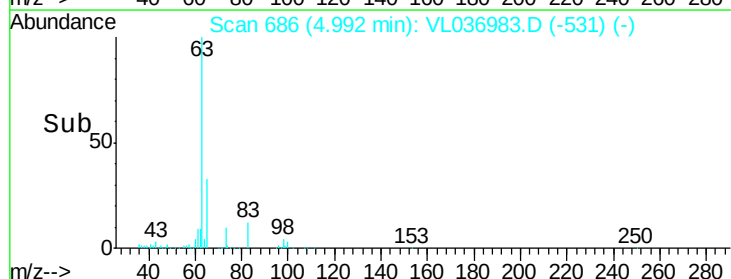
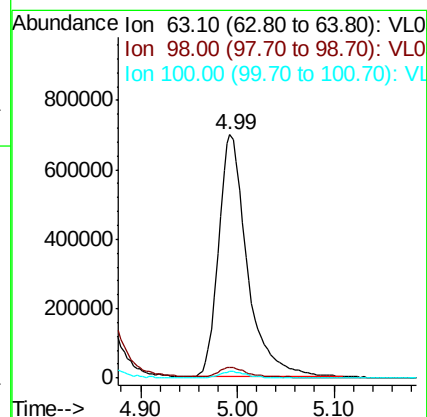
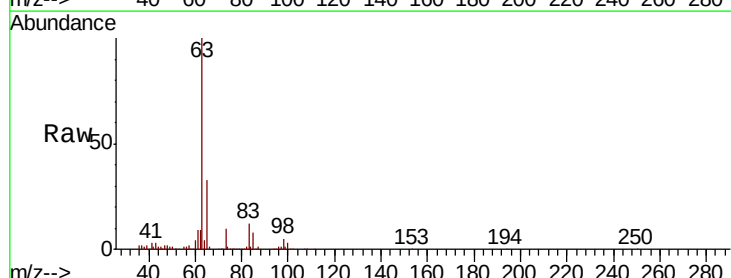
Manual Integrations
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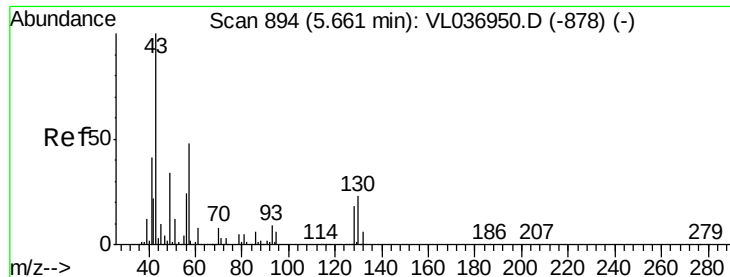
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#24
 1,1-Dichloroethane
 Concen: 10.302 ppbv
 RT: 4.99 min Scan# 686
 Delta R.T. -0.00 min
 Lab File: VL036983.D
 Acq: 19 May 2021 00:08

Tgt Ion	63	Resp	1441867
Ion	Ratio	Lower	Upper
63	100		
98	4.5	2.3	6.9
100	2.8	1.4	4.0





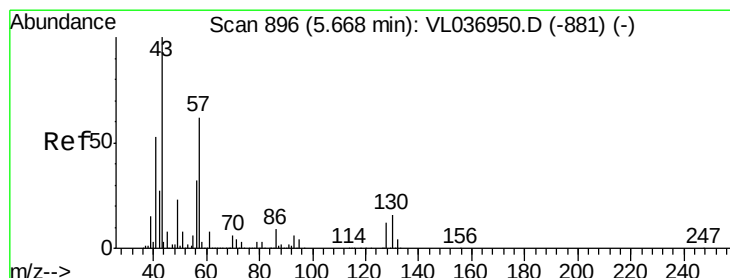
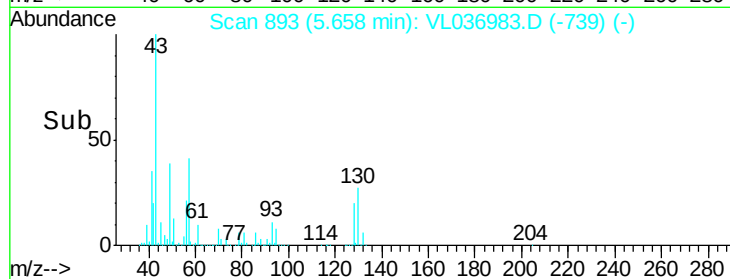
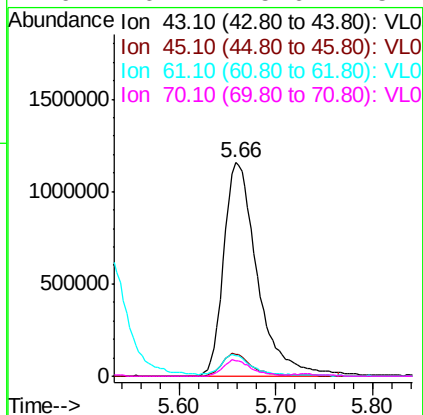
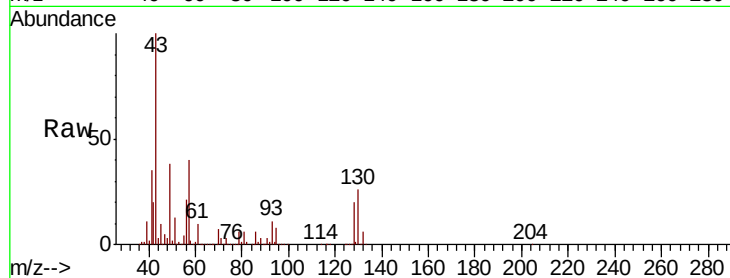
#25
Ethyl Acetate
Concen: 9.467 ppbv
RT: 5.66 min Scan# 893
Delta R.T. -0.00 min
Lab File: VL036983.D
Acq: 19 May 2021 00:08

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ion	Ratio	Lower	Upper
43	100			
45	9.8	7.8	11.8	
61	9.9	7.8	11.8	
70	6.7	5.6	8.4	

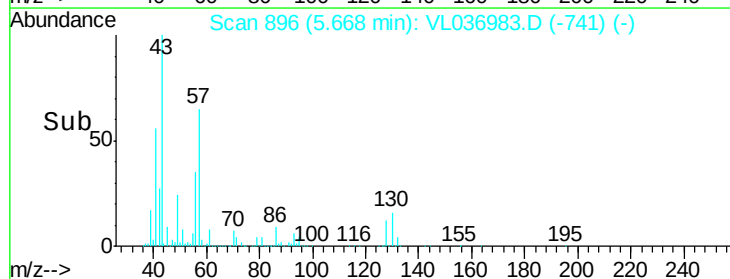
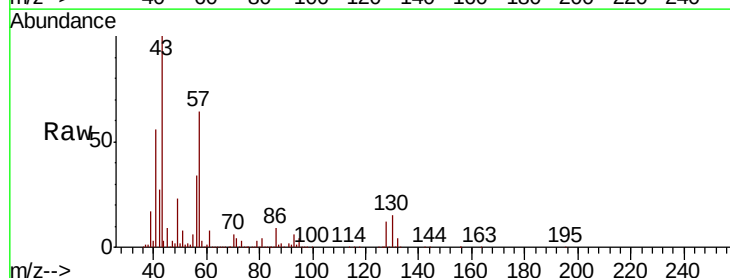
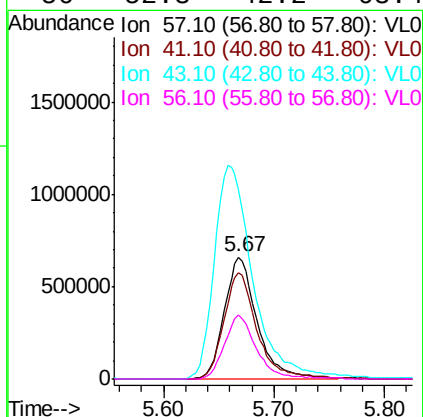
Manual Integrations
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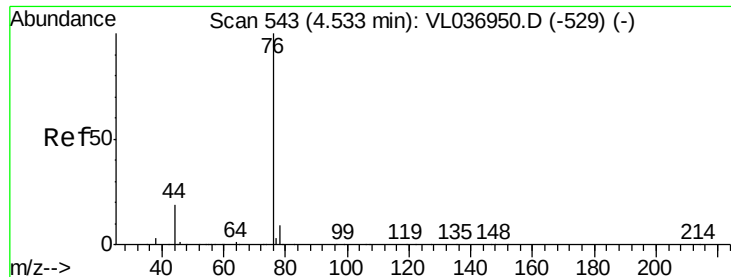
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#26
Hexane
Concen: 9.032 ppbv
RT: 5.67 min Scan# 896
Delta R.T. -0.00 min
Lab File: VL036983.D
Acq: 19 May 2021 00:08

Tgt Ion	Ion	Ratio	Lower	Upper
57	100			
41	89.0	70.5	105.7	
43	206.9	165.8	248.8	
56	52.3	42.2	63.4	





#27

Carbon Disulfide

Concen: 9.614 ppbv

RT: 4.53 min Scan# 543

Delta R.T. -0.00 min

Lab File: VL036983.D

Acq: 19 May 2021 00:08

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 76 Resp: 1457019

Ion Ratio Lower Upper

76 100

44 18.7 15.5 23.3

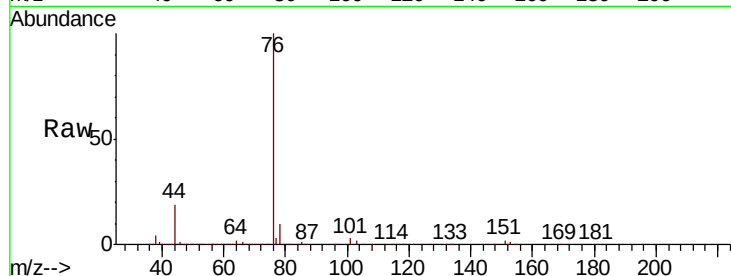
78 9.7 7.8 11.6

Manual Integrations

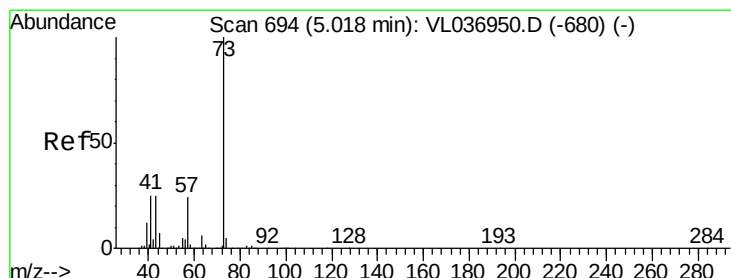
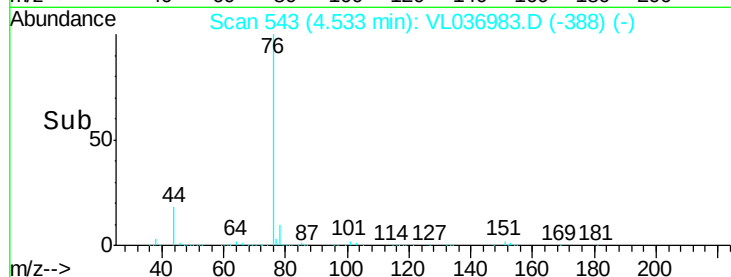
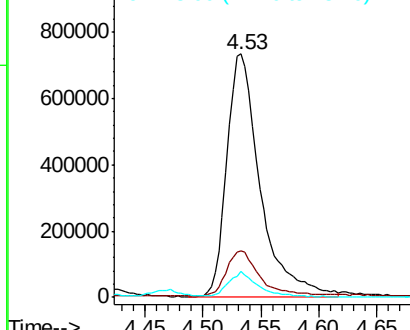
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Abundance Ion 76.00 (75.70 to 76.70): VL0
Ion 44.10 (43.80 to 44.80): VL0
Ion 78.00 (77.70 to 78.70): VL0



#28

Methyl tert-Butyl Ether

Concen: 9.438 ppbv

RT: 5.02 min Scan# 694

Delta R.T. -0.00 min

Lab File: VL036983.D

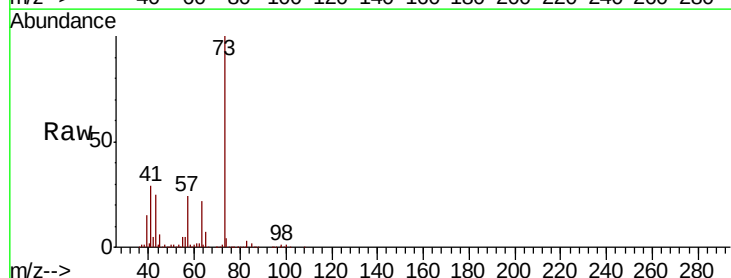
Acq: 19 May 2021 00:08

Tgt Ion: 73 Resp: 1701203

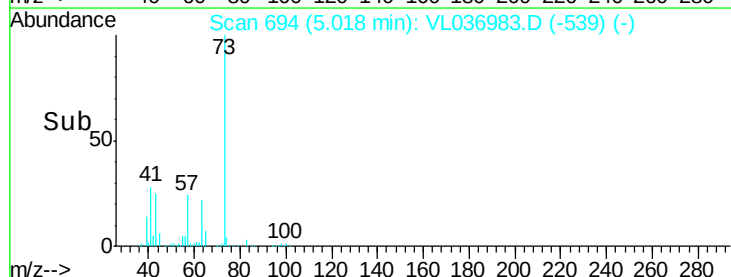
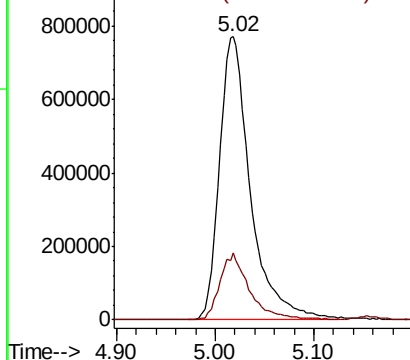
Ion Ratio Lower Upper

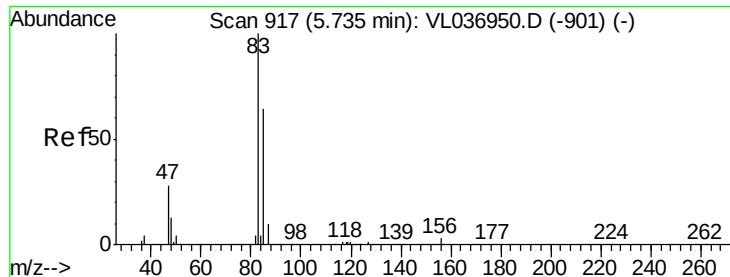
73 100

57 22.6 18.3 27.5



Abundance Ion 73.10 (72.80 to 73.80): VL0
Ion 57.10 (56.80 to 57.80): VL0





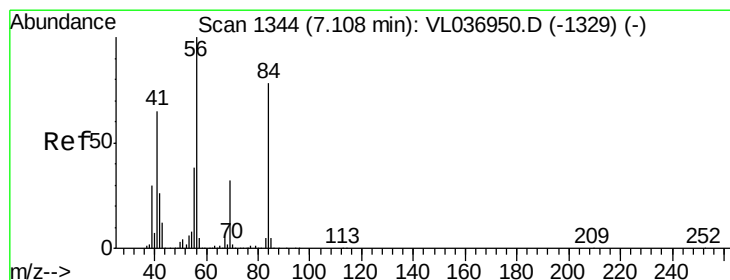
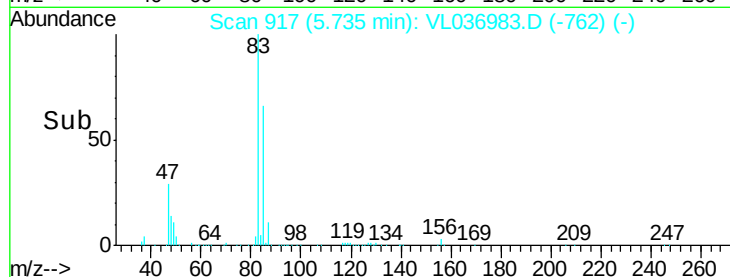
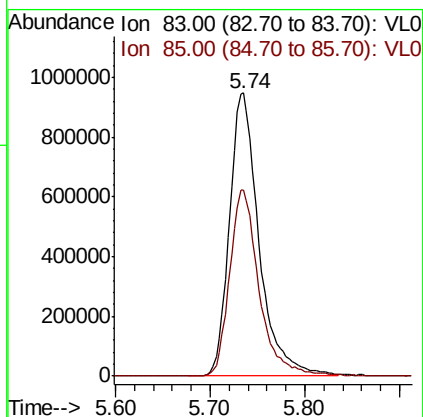
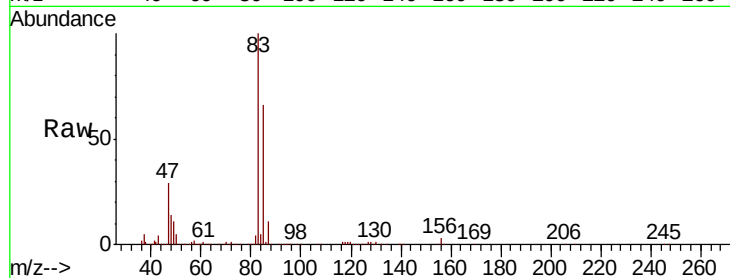
#29
Chloroform
Concen: 9.698 ppbv
RT: 5.74 min Scan# 917
Delta R.T. -0.00 min
Lab File: VL036983.D
Acq: 19 May 2021 00:08

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 83 Resp: 2060397
Ion Ratio Lower Upper
83 100
85 65.4 51.1 76.7

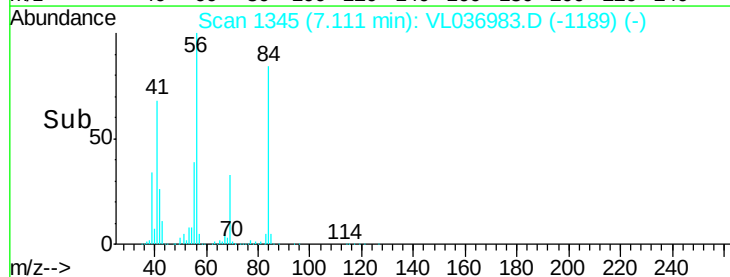
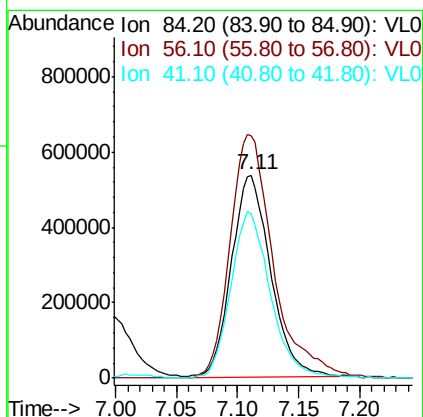
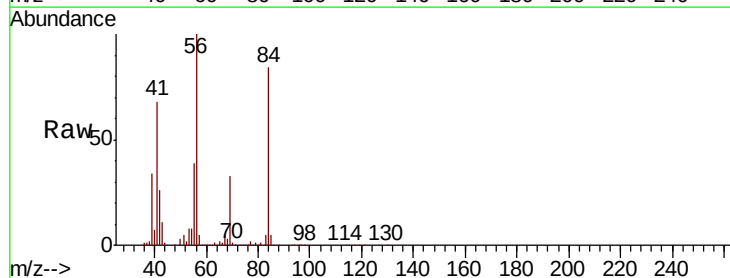
Manual Integrations
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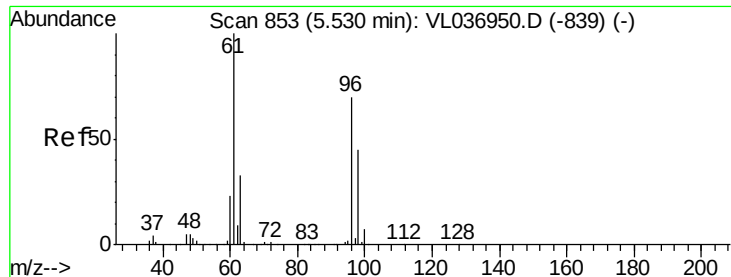
MMDadoda
5/20/2021 5:56:19 PM



#30
Cyclohexane
Concen: 9.323 ppbv
RT: 7.11 min Scan# 1345
Delta R.T. 0.00 min
Lab File: VL036983.D
Acq: 19 May 2021 00:08

Tgt Ion: 84 Resp: 1191321
Ion Ratio Lower Upper
84 100
56 134.9 107.9 161.9
41 84.2 65.5 98.3





#31

cis-1,2-Dichloroethene

Concen: 9.757 ppbv

RT: 5.53 min Scan# 853

Delta R.T. -0.00 min

Lab File: VL036983.D

Acq: 19 May 2021 00:08

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 61 Resp: 1315489

Ion Ratio Lower Upper

61 100

96 67.2 55.9 83.9

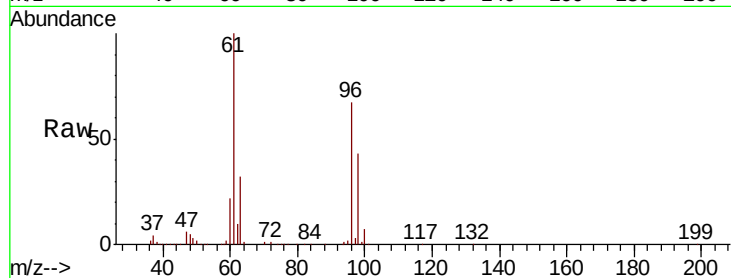
98 43.1 35.6 53.4

Manual Integrations

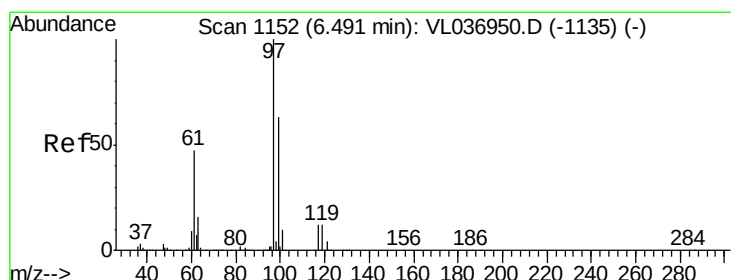
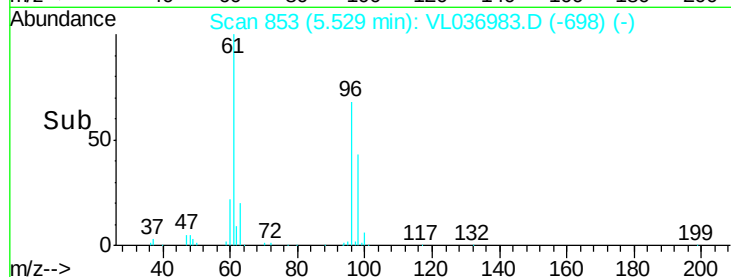
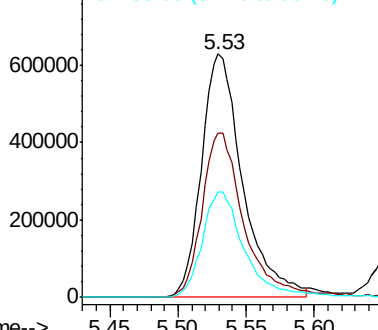
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Abundance Ion 61.10 (60.80 to 61.80): VL0
Ion 96.00 (95.70 to 96.70): VL0
Ion 98.00 (97.70 to 98.70): VL0



#32

1,1,1-Trichloroethane

Concen: 9.153 ppbv

RT: 6.49 min Scan# 1152

Delta R.T. -0.00 min

Lab File: VL036983.D

Acq: 19 May 2021 00:08

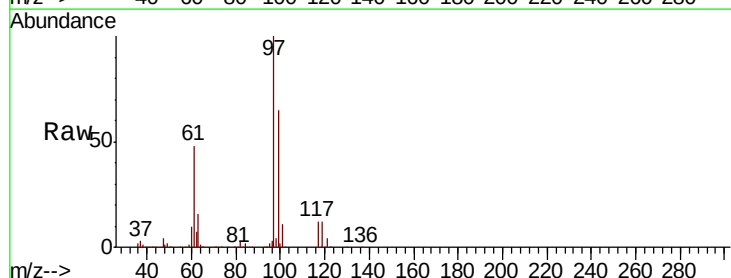
Tgt Ion: 97 Resp: 2088089

Ion Ratio Lower Upper

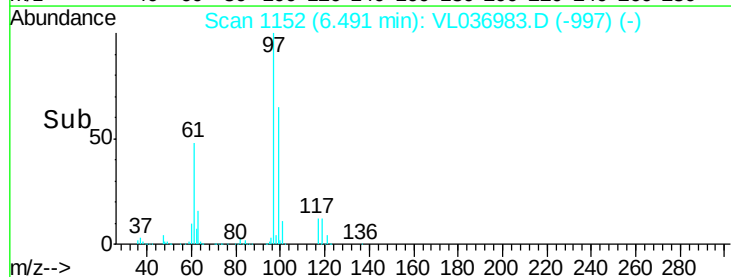
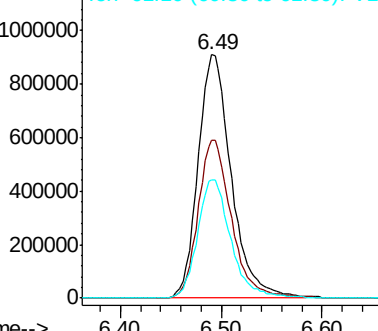
97 100

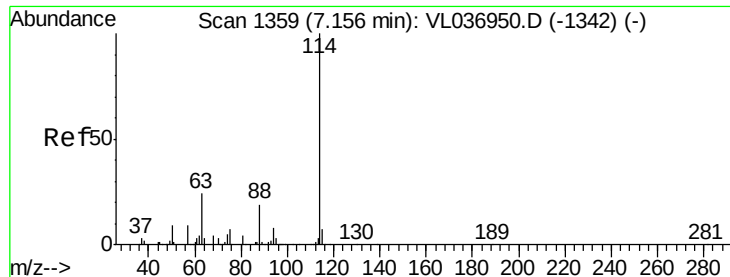
99 65.1 51.9 77.9

61 48.6 37.6 56.4



Abundance Ion 97.00 (96.70 to 97.70): VL0
Ion 99.00 (98.70 to 99.70): VL0
Ion 61.10 (60.80 to 61.80): VL0





#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.16 min Scan# 1359
 Delta R.T. -0.00 min
 Lab File: VL036983.D
 Acq: 19 May 2021 00:08

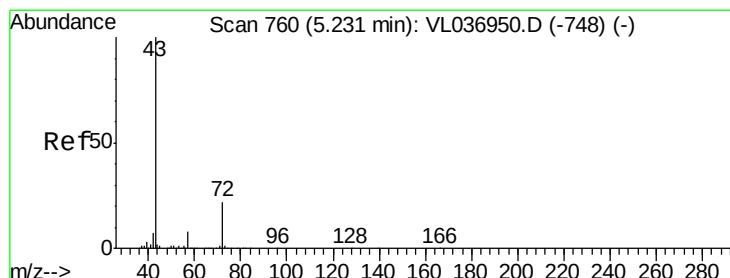
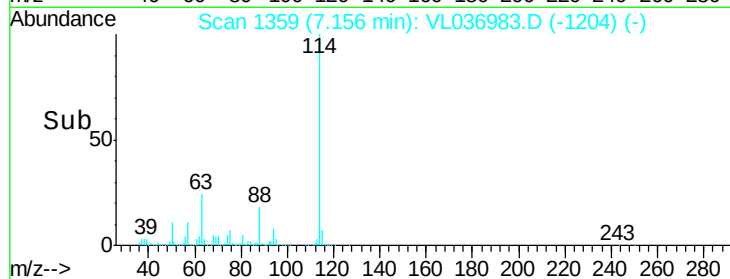
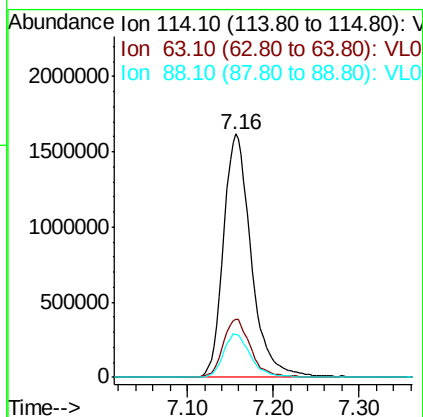
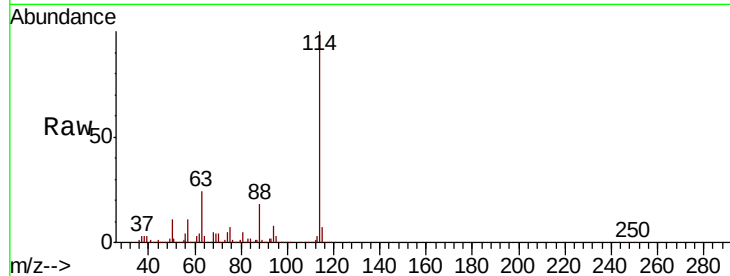
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion:114 Resp: 3637453

Ion	Ratio	Lower	Upper
114	100		
63	24.2	19.6	29.4
88	17.6	14.6	21.8

Manual Integrations
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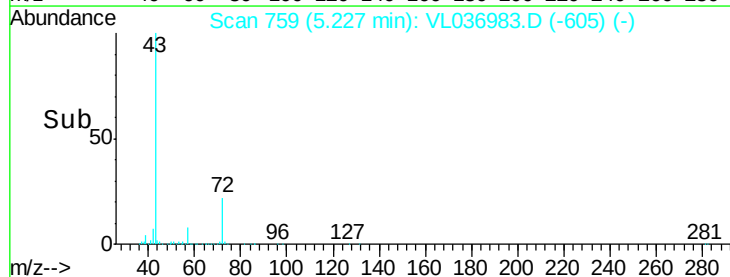
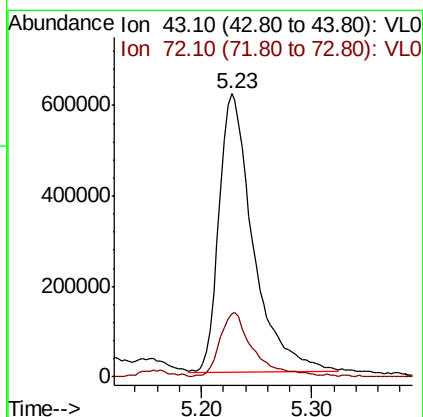
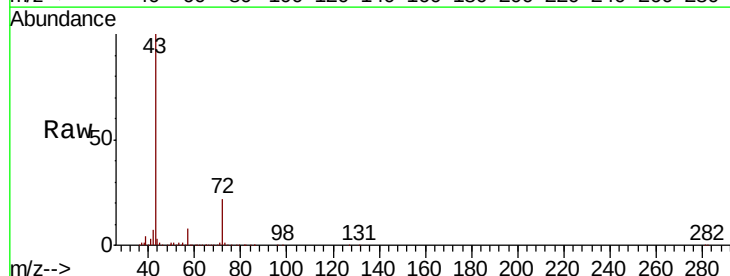
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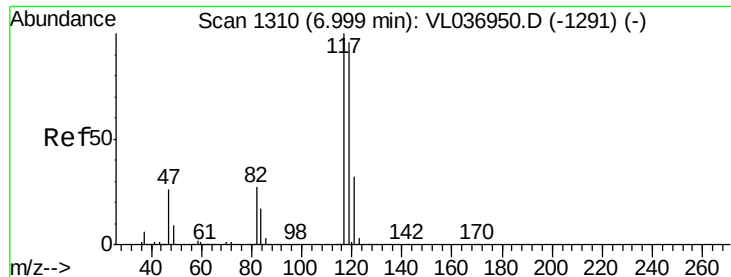


#34
 2-Butanone
 Concen: 9.963 ppbv
 RT: 5.23 min Scan# 759
 Delta R.T. -0.00 min
 Lab File: VL036983.D
 Acq: 19 May 2021 00:08

Tgt Ion: 43 Resp: 1319584

Ion	Ratio	Lower	Upper
43	100		
72	23.4	19.0	28.4





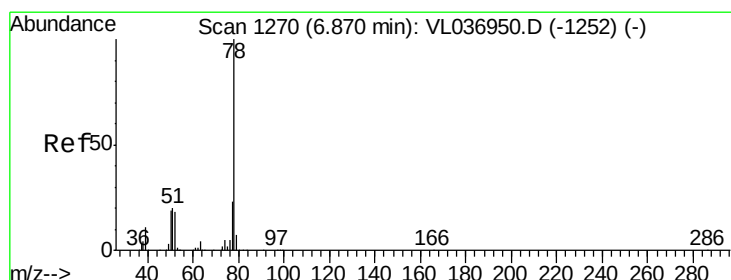
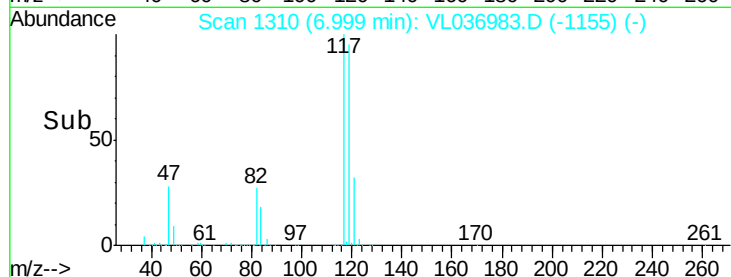
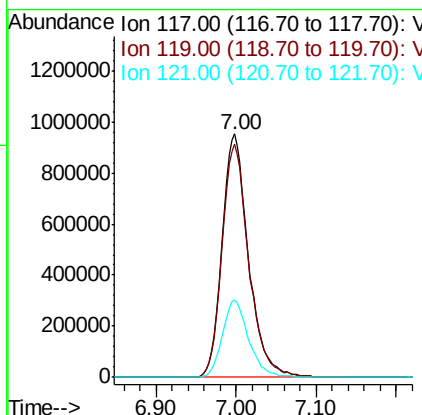
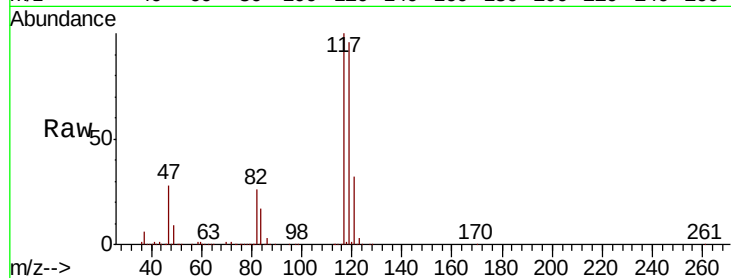
#35
Carbon Tetrachloride
Concen: 8.944 ppbv
RT: 7.00 min Scan# 1310
Delta R.T. -0.00 min
Lab File: VL036983.D
Acq: 19 May 2021 00:08

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
117	100		
119	95.8	76.6	114.8
121	31.7	25.8	38.6

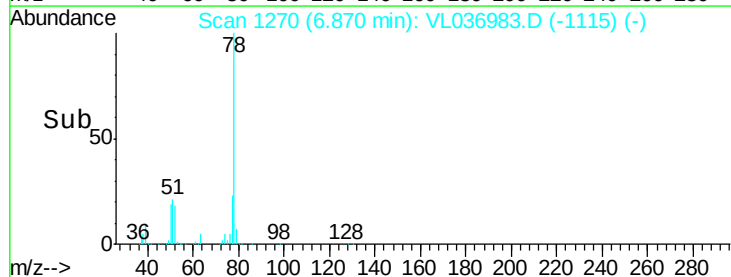
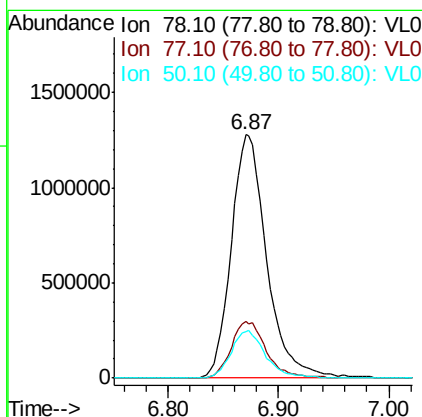
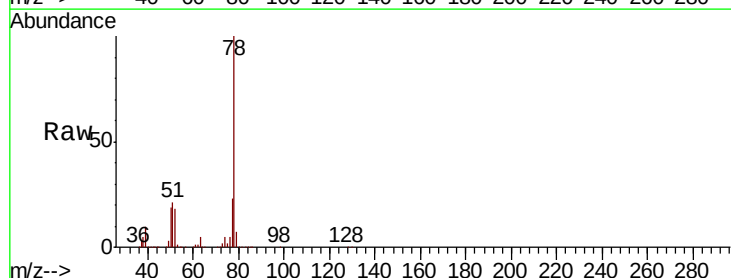
Manual Integrations
APPROVED

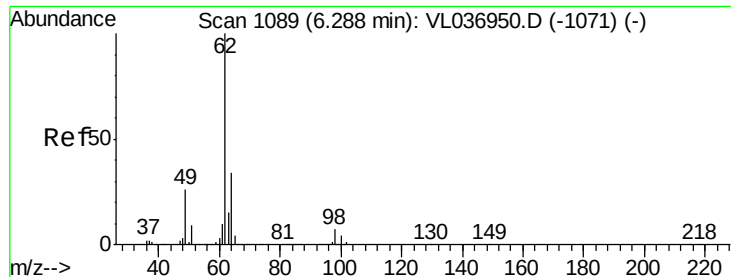
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#36
Benzene
Concen: 9.061 ppbv
RT: 6.87 min Scan# 1270
Delta R.T. -0.00 min
Lab File: VL036983.D
Acq: 19 May 2021 00:08

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.2	18.6	28.0
50	19.0	15.0	22.4





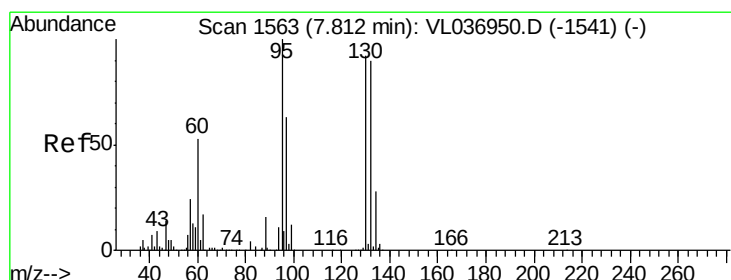
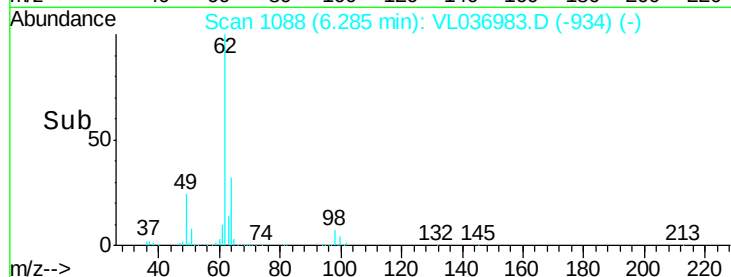
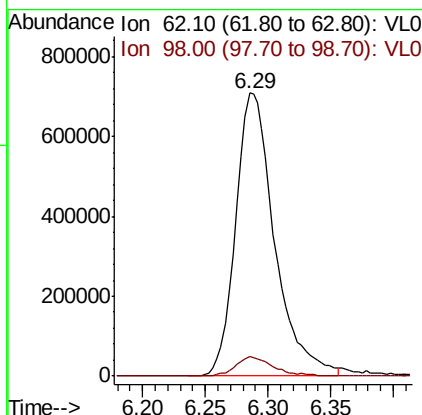
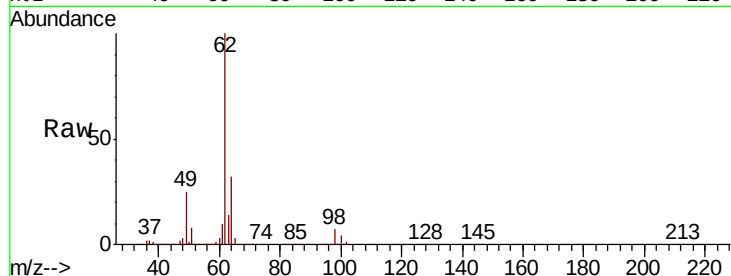
#37
1,2-Dichloroethane
Concen: 9.855 ppbv
RT: 6.29 min Scan# 1088
Delta R.T. -0.00 min
Lab File: VL036983.D
Acq: 19 May 2021 00:08

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 62 Resp: 1530785
Ion Ratio Lower Upper
62 100
98 7.0 5.5 8.3

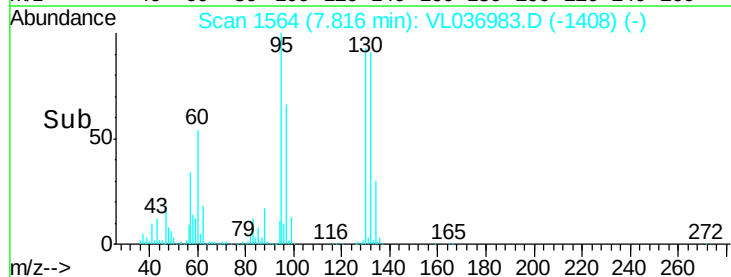
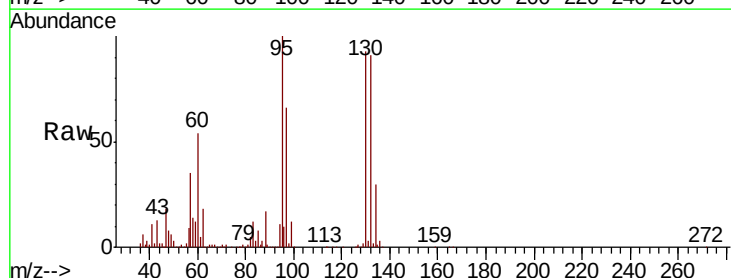
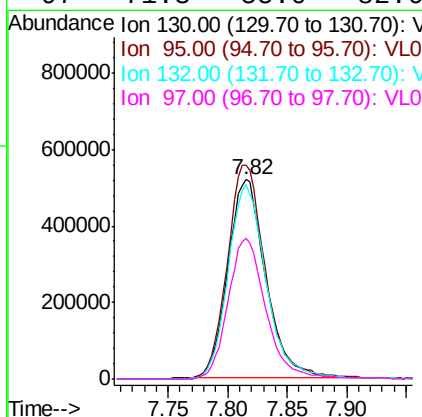
Manual Integrations
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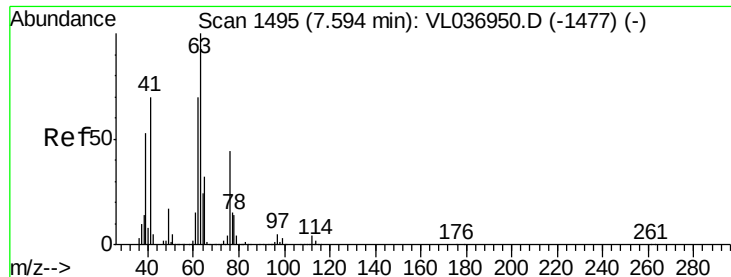
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#38
Trichloroethene
Concen: 8.456 ppbv
RT: 7.82 min Scan# 1564
Delta R.T. 0.00 min
Lab File: VL036983.D
Acq: 19 May 2021 00:08

Tgt Ion:130 Resp: 1133380
Ion Ratio Lower Upper
130 100
95 107.6 86.9 130.3
132 98.4 78.4 117.6
97 71.3 55.0 82.6





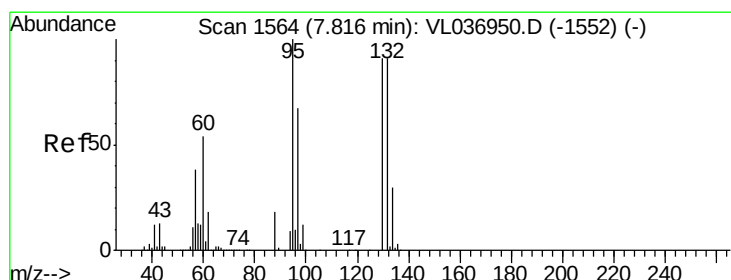
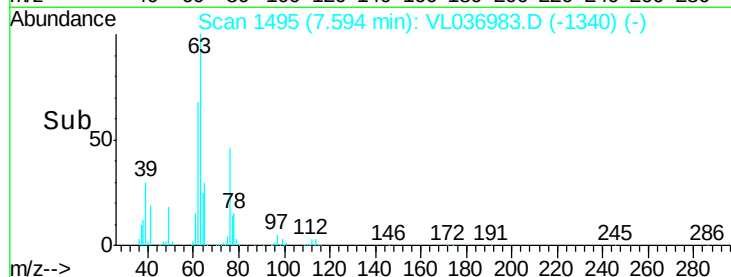
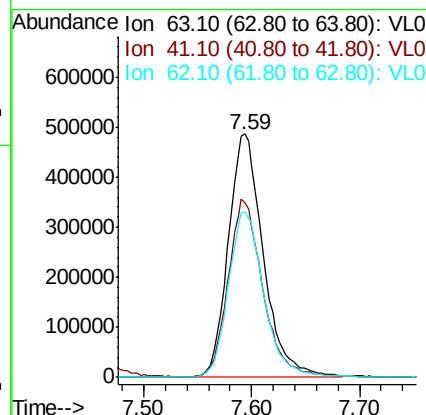
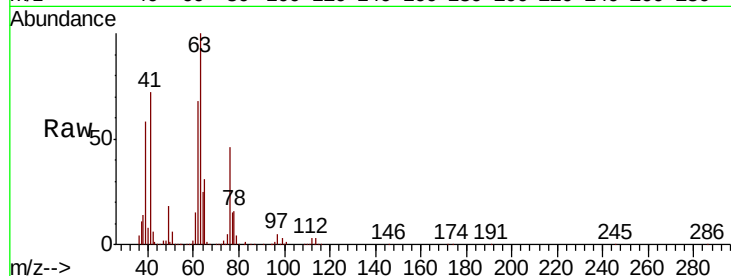
#39
 1,2-Dichloropropane
 Concen: 9.086 ppbv
 RT: 7.59 min Scan# 1495
 Delta R.T. -0.00 min
 Lab File: VL036983.D
 Acq: 19 May 2021 00:08

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
63	100		
41	71.7	55.7	83.5
62	67.9	56.2	84.4

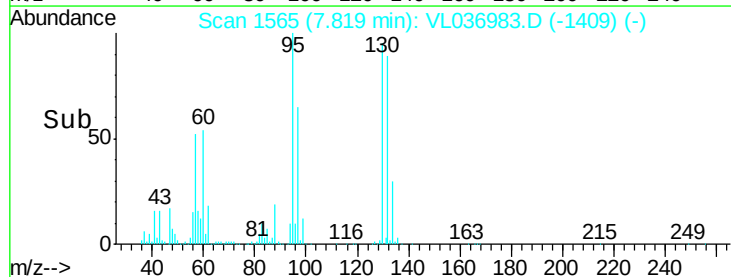
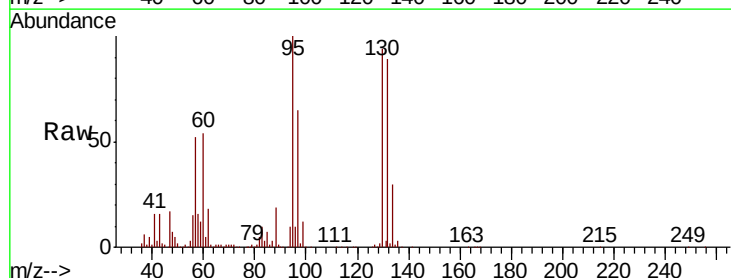
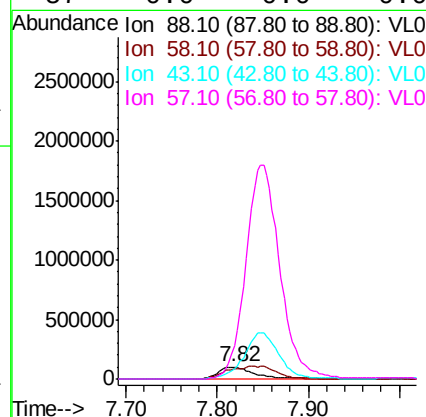
Manual Integrations
 APPROVED

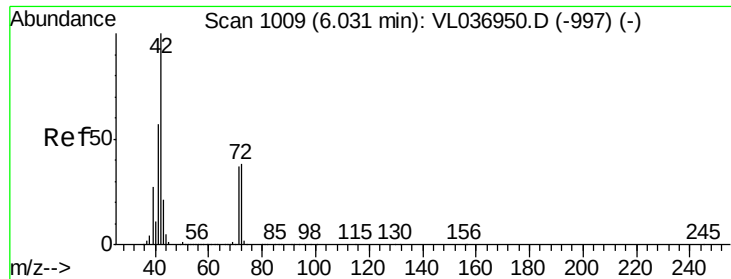
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 5/20/2021 5:56:19 PM



#40
 1,4-Dioxane
 Concen: 9.801 ppbv m
 RT: 7.82 min Scan# 1565
 Delta R.T. 0.00 min
 Lab File: VL036983.D
 Acq: 19 May 2021 00:08

Tgt 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





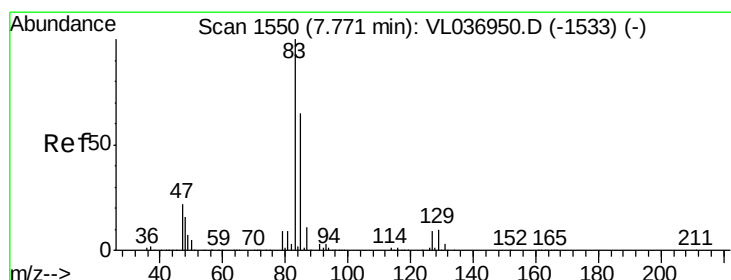
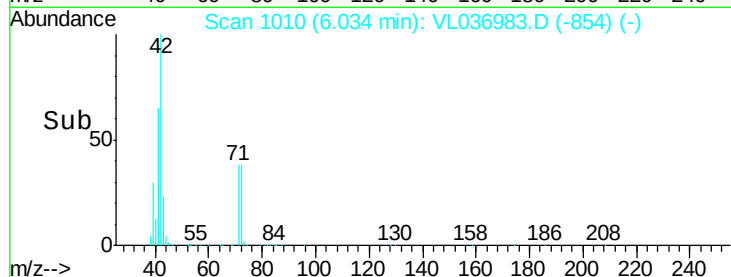
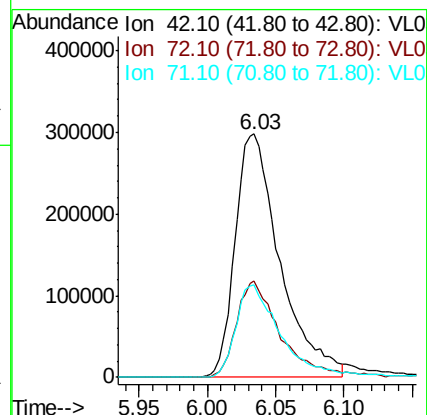
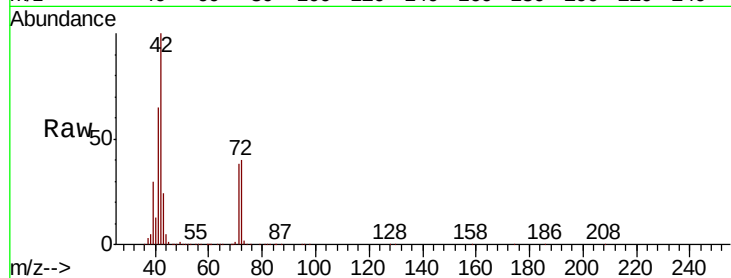
#41
Tetrahydrofuran
Concen: 9.013 ppbv
RT: 6.03 min Scan# 1010
Delta R.T. 0.00 min
Lab File: VL036983.D
Acq: 19 May 2021 00:08

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	40.1	31.4	47.2
71	38.7	30.4	45.6

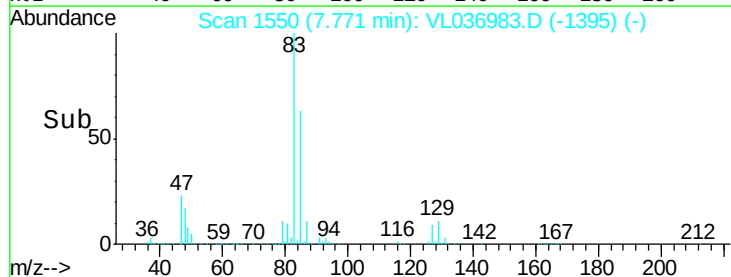
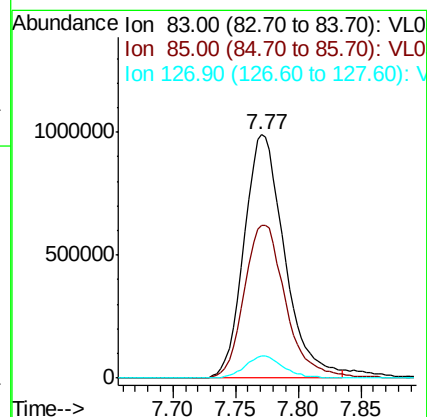
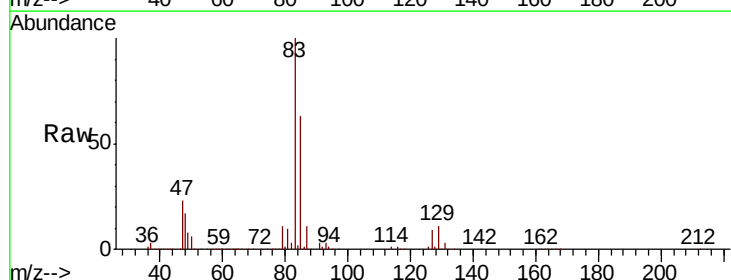
Manual Integrations
APPROVED

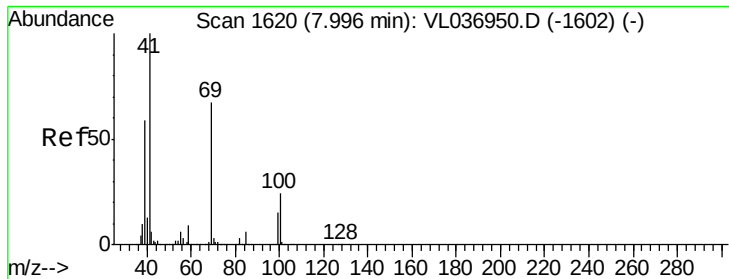
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#42
Bromodichloromethane
Concen: 9.461 ppbv
RT: 7.77 min Scan# 1550
Delta R.T. -0.00 min
Lab File: VL036983.D
Acq: 19 May 2021 00:08

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.8	51.7	77.5
127	9.0	6.9	10.3





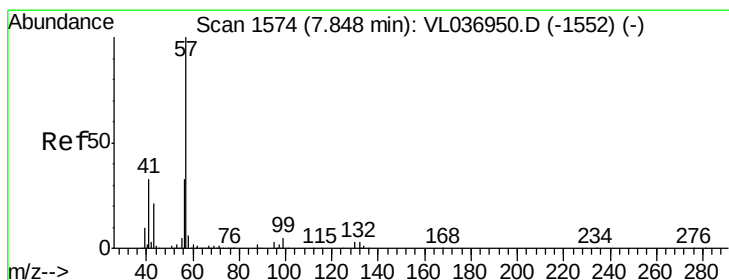
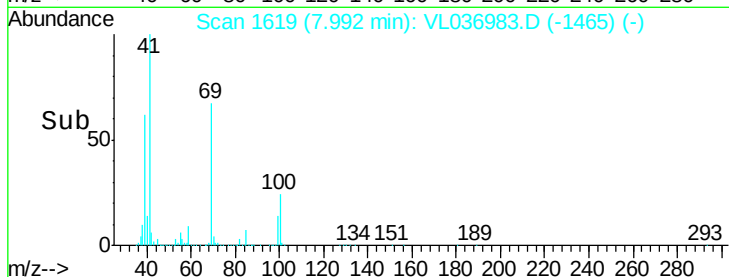
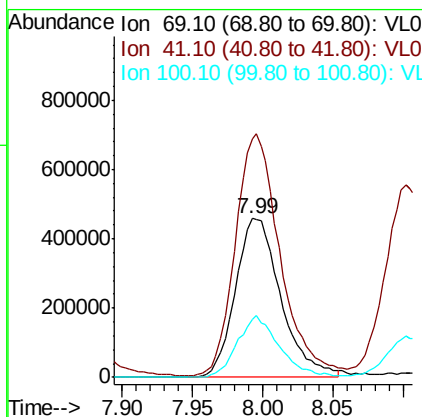
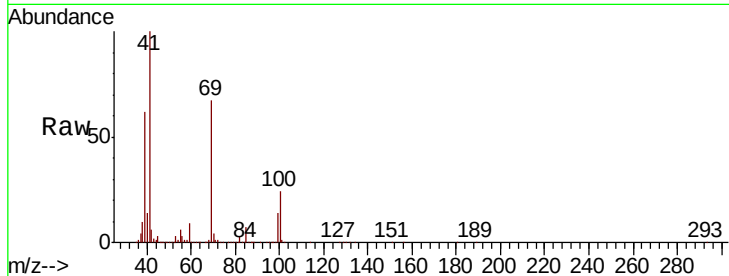
#43
Methyl Methacrylate
Concen: 9.575 ppbv
RT: 7.99 min Scan# 1619
Delta R.T. -0.00 min
Lab File: VL036983.D
Acq: 19 May 2021 00:08

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 69 Resp: 1033991
Ion Ratio Lower Upper
69 100
41 150.7 118.6 178.0
100 35.9 28.2 42.4

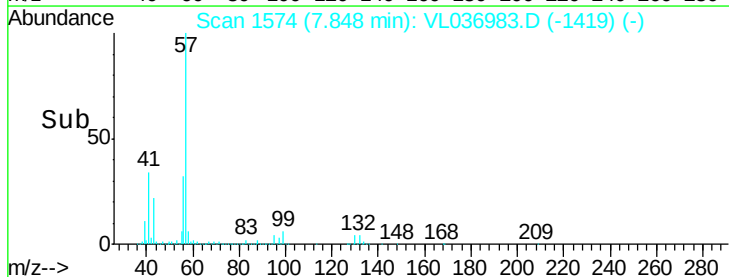
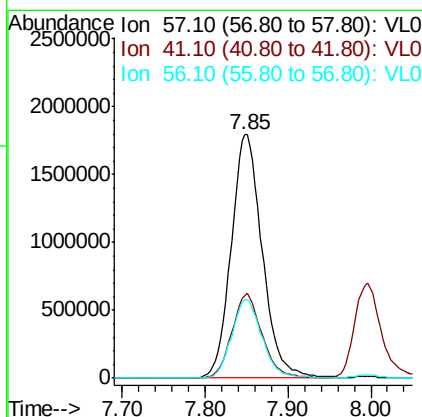
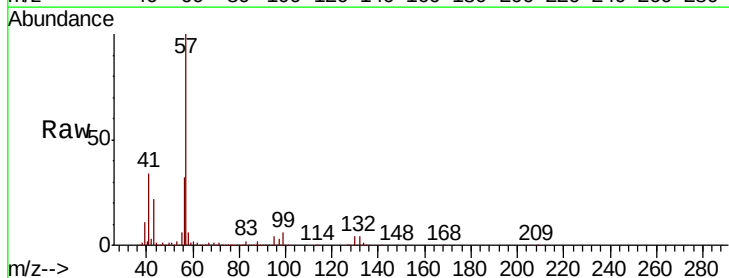
Manual Integrations
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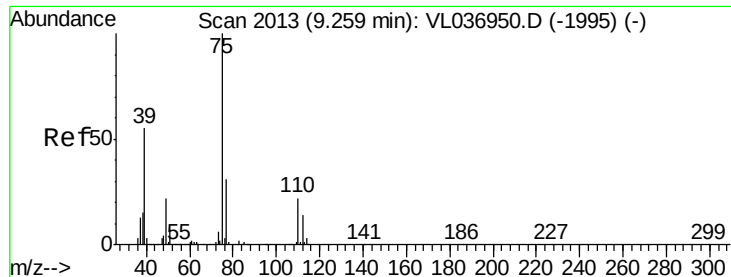
MMDadoda
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#44
2,2,4-Trimethylpentane
Concen: 8.724 ppbv
RT: 7.85 min Scan# 1574
Delta R.T. -0.00 min
Lab File: VL036983.D
Acq: 19 May 2021 00:08

Tgt Ion: 57 Resp: 4689375
Ion Ratio Lower Upper
57 100
41 33.5 27.0 40.4
56 31.6 25.4 38.2





#45

t-1,3-Dichloropropene

Concen: 12.329 ppbv

RT: 9.26 min Scan# 2012

Delta R.T. -0.00 min

Lab File: VL036983.D

Acq: 19 May 2021 00:08

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 75 Resp: 1017170

Ion Ratio Lower Upper

75 100

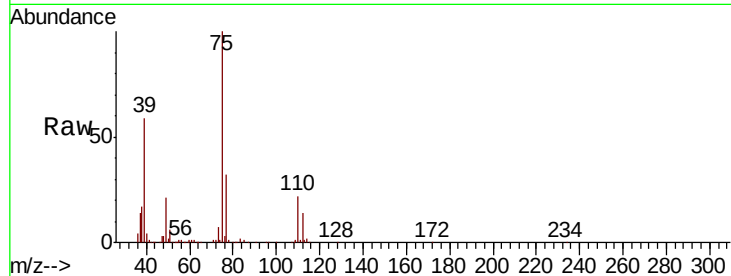
77 32.3 24.4 36.6

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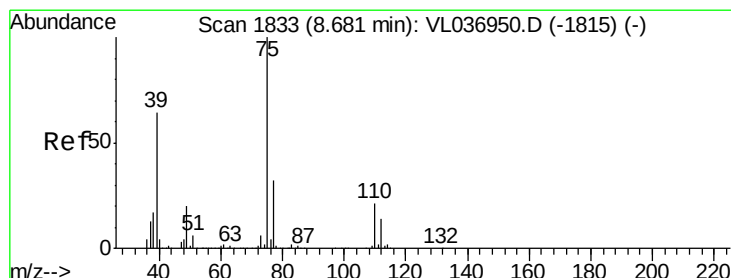
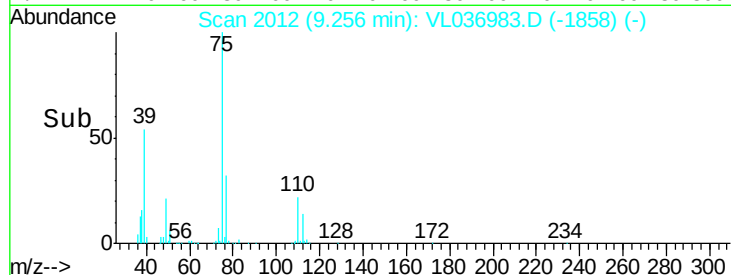
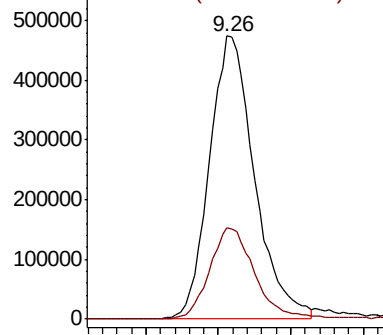
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Abundance Ion 75.10 (74.80 to 75.80): VL0

Ion 77.10 (76.80 to 77.80): VL0



#46

cis-1,3-Dichloropropene

Concen: 12.081 ppbv

RT: 8.68 min Scan# 1834

Delta R.T. 0.00 min

Lab File: VL036983.D

Acq: 19 May 2021 00:08

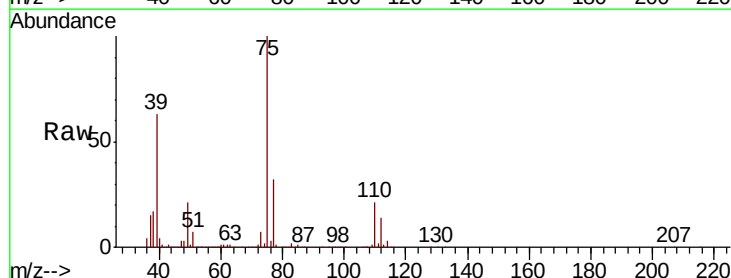
Tgt Ion: 75 Resp: 1340620

Ion Ratio Lower Upper

75 100

39 62.8 51.5 77.3

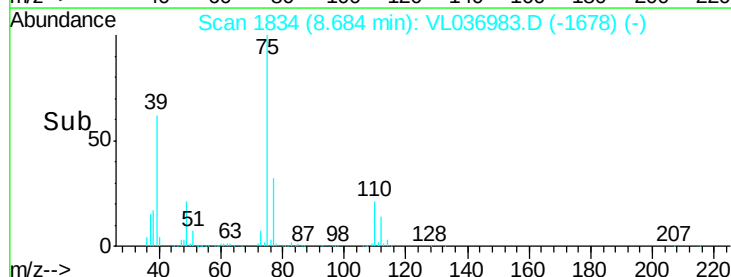
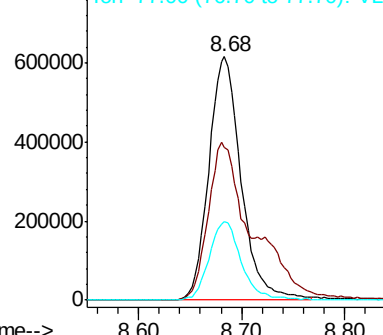
77 32.4 25.9 38.9

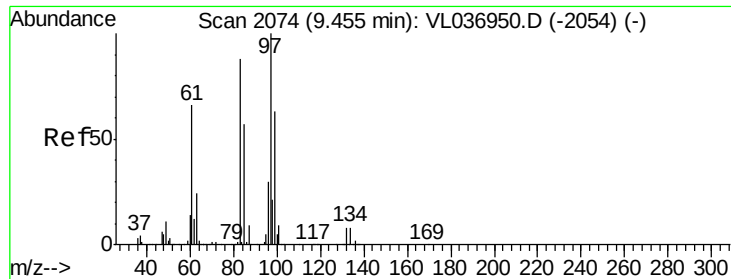


Abundance Ion 75.00 (74.70 to 75.70): VL0

Ion 39.00 (38.70 to 39.70): VL0

Ion 77.00 (76.70 to 77.70): VL0





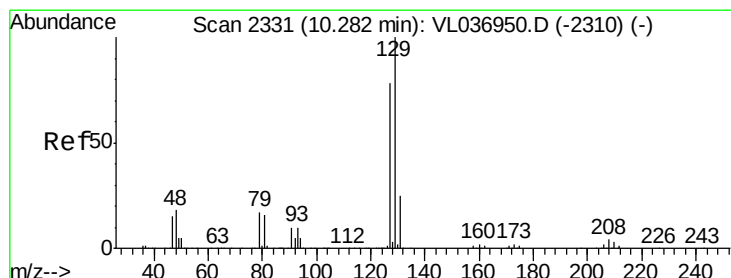
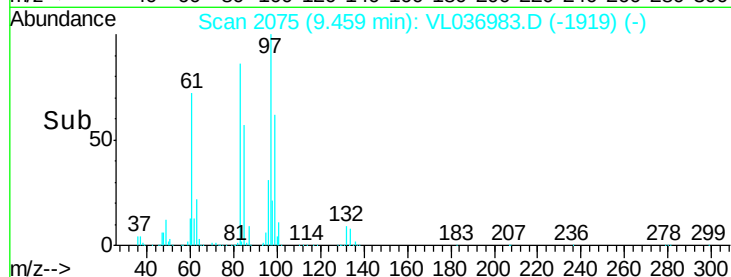
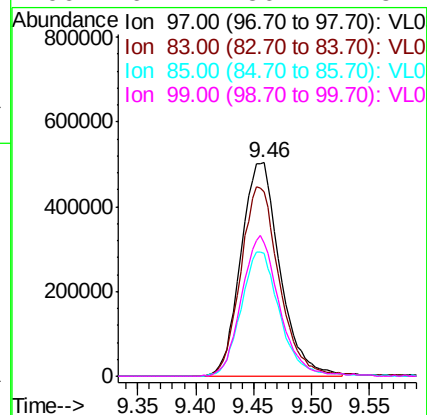
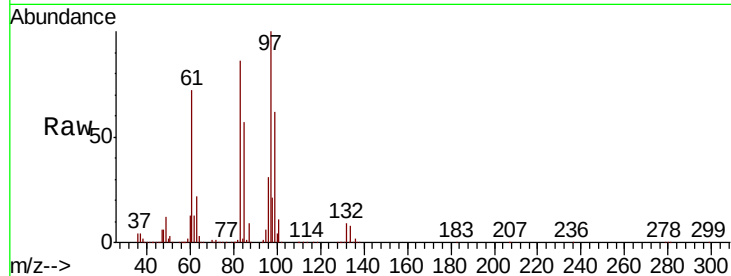
#47
 1,1,2-Trichloroethane
 Concen: 9.358 ppbv
 RT: 9.46 min Scan# 2075
 Delta R.T. 0.00 min
 Lab File: VL036983.D
 Acq: 19 May 2021 00:08

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	97	Resp	1182122
Ion	Ratio	Lower	Upper
97	100		
83	86.0	70.4	105.6
85	57.3	45.5	68.3
99	62.1	50.2	75.2

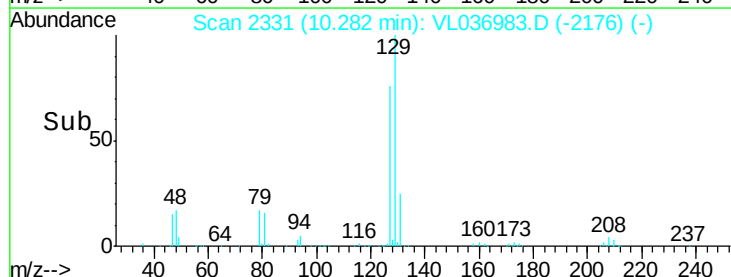
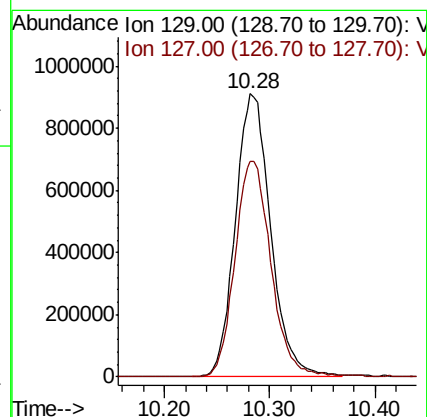
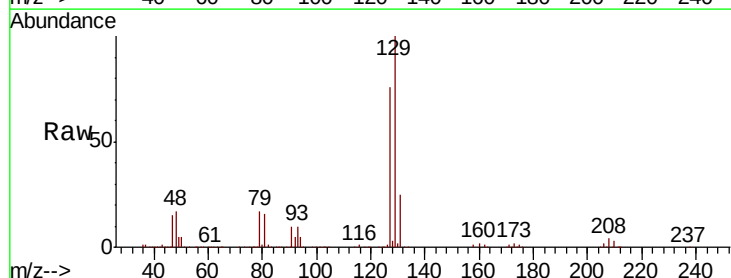
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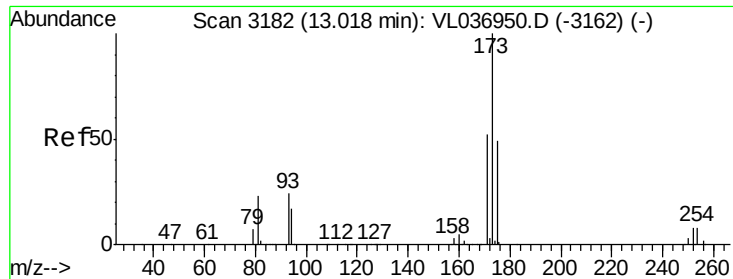
MMDadoda
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#48
 Dibromochloromethane
 Concen: 10.368 ppbv
 RT: 10.28 min Scan# 2331
 Delta R.T. -0.00 min
 Lab File: VL036983.D
 Acq: 19 May 2021 00:08

Tgt Ion	129	Resp	2120717
Ion	Ratio	Lower	Upper
129	100		
127	78.4	39.3	117.8





#49

Bromoform

Concen: 10.446 ppbv

RT: 13.02 min Scan# 3182

Delta R.T. -0.00 min

Lab File: VL036983.D

Acq: 19 May 2021 00:08

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:173 Resp: 1764470

Ion Ratio Lower Upper

173 100

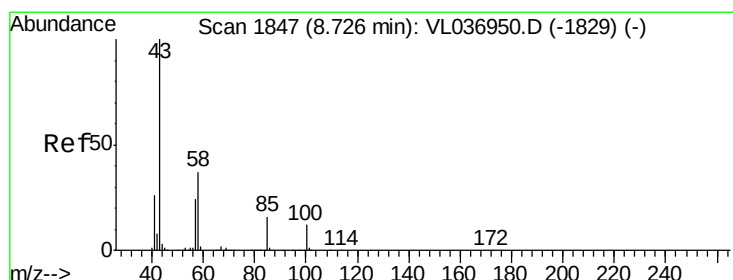
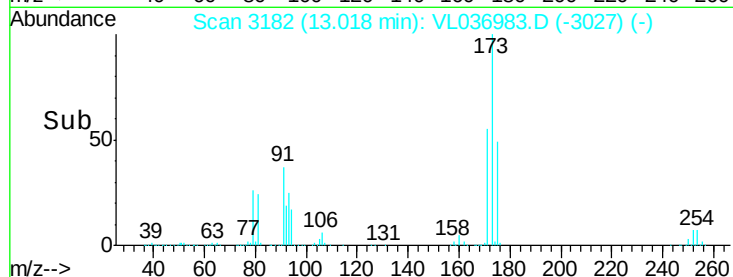
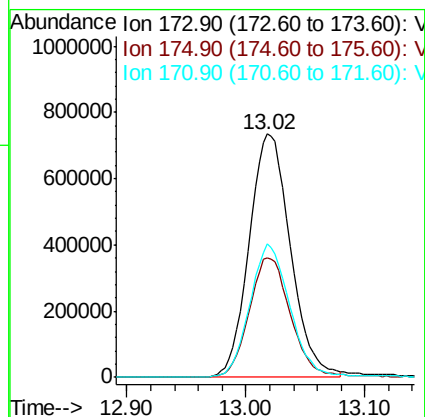
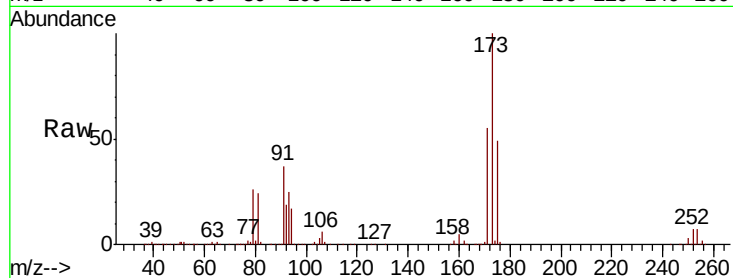
175 49.6 40.4 60.6

171 54.3 42.6 64.0

Manual Integrations
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5/20/2021 5:56:19 PM



#50

4-Methyl-2-Pentanone

Concen: 9.417 ppbv

RT: 8.73 min Scan# 1847

Delta R.T. -0.00 min

Lab File: VL036983.D

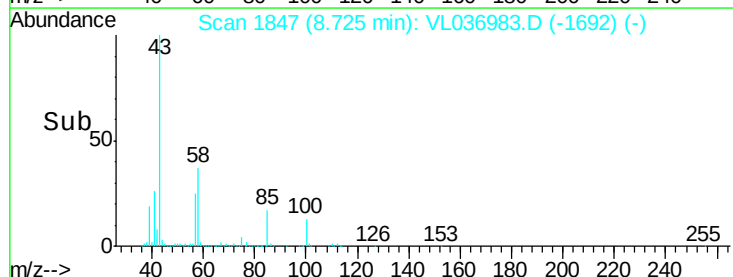
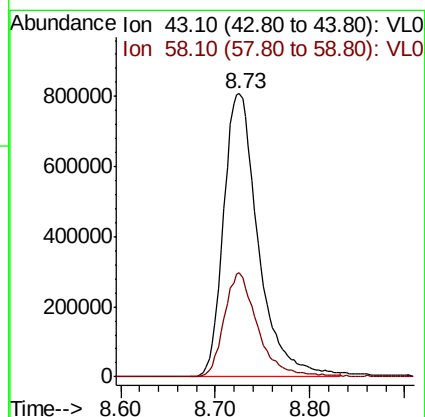
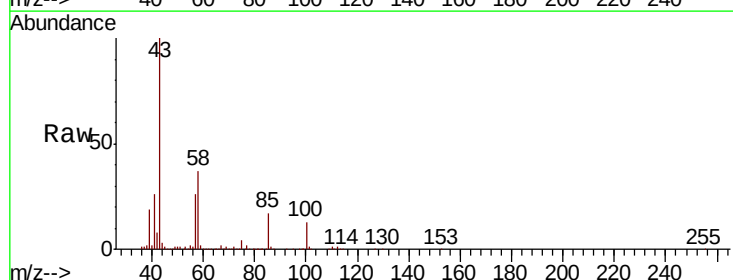
Acq: 19 May 2021 00:08

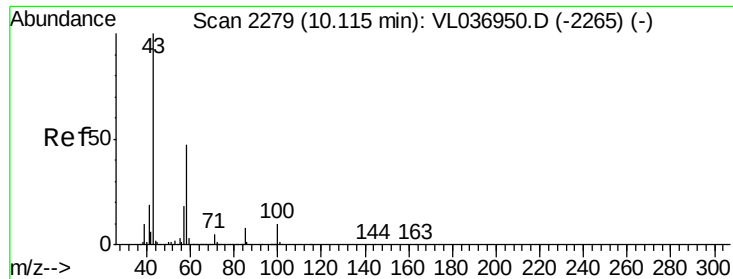
Tgt Ion: 43 Resp: 2058235

Ion Ratio Lower Upper

43 100

58 35.7 29.4 44.2





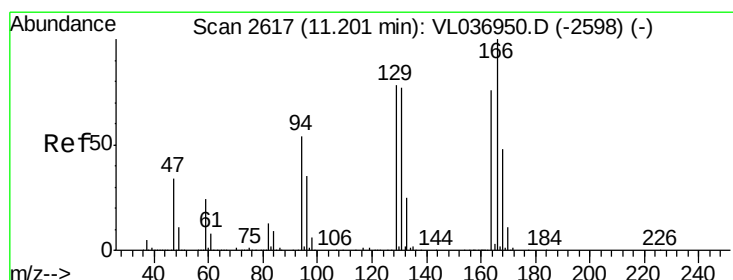
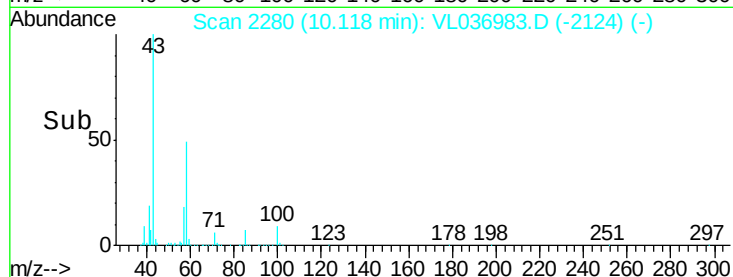
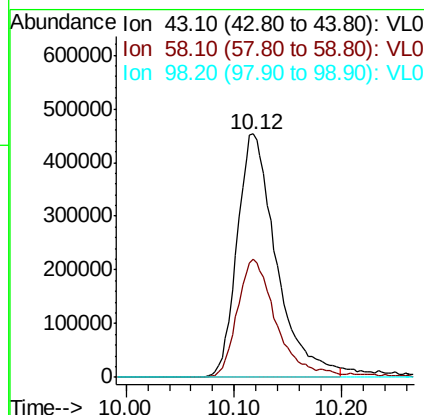
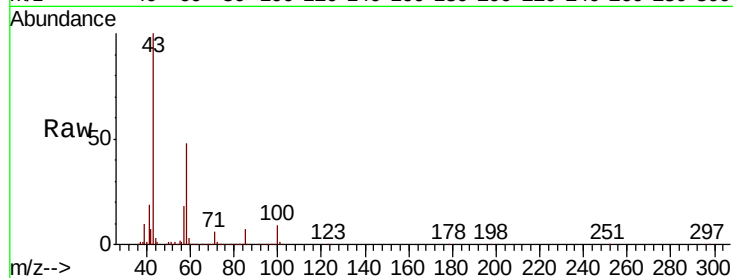
#51
2-Hexanone
Concen: 9.863 ppbv
RT: 10.12 min Scan# 2280
Delta R.T. 0.00 min
Lab File: VL036983.D
Acq: 19 May 2021 00:08

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 43 Resp: 1139564
Ion Ratio Lower Upper
43 100
58 50.0 41.1 61.7
98 0.1 0.1 0.1

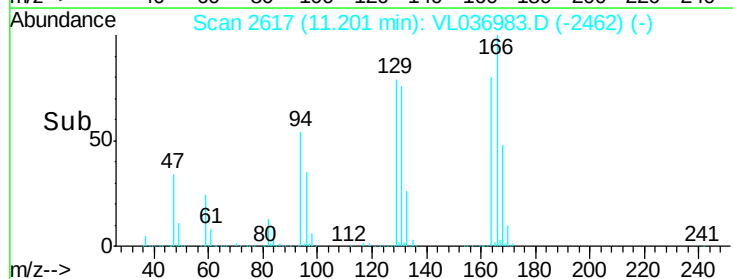
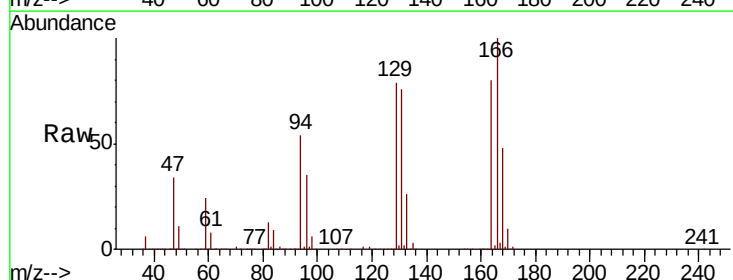
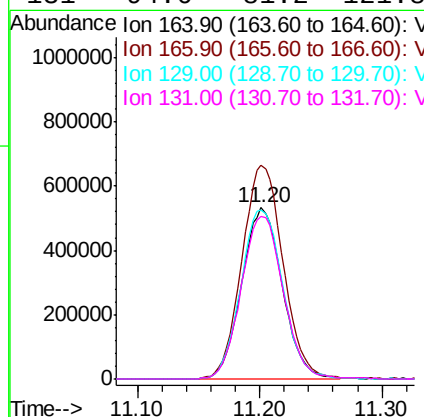
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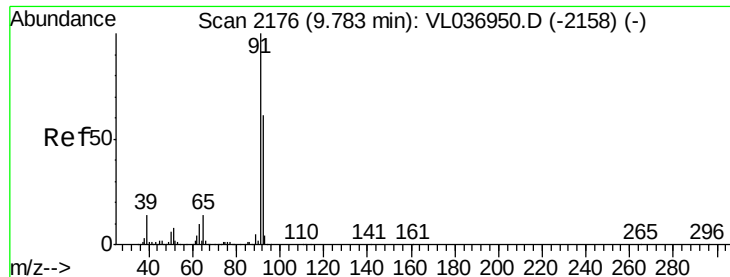
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#52
Tetrachloroethene
Concen: 9.818 ppbv
RT: 11.20 min Scan# 2617
Delta R.T. -0.00 min
Lab File: VL036983.D
Acq: 19 May 2021 00:08

Tgt Ion: 164 Resp: 1223195
Ion Ratio Lower Upper
164 100
166 124.7 105.5 158.3
129 98.9 81.8 122.8
131 94.6 81.2 121.8





#53

Toluene

Concen: 9.316 ppbv

RT: 9.78 min Scan# 2176

Delta R.T. -0.00 min

Lab File: VL036983.D

Acq: 19 May 2021 00:08

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 91 Resp: 3472927

Ion Ratio Lower Upper

91 100

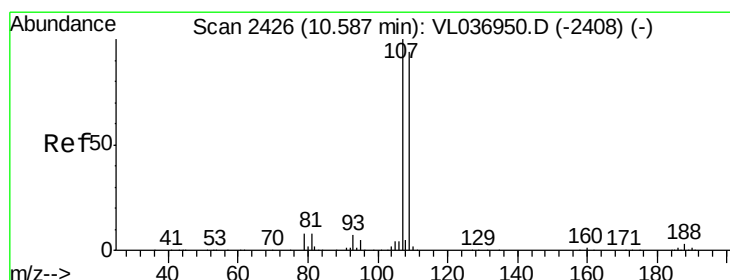
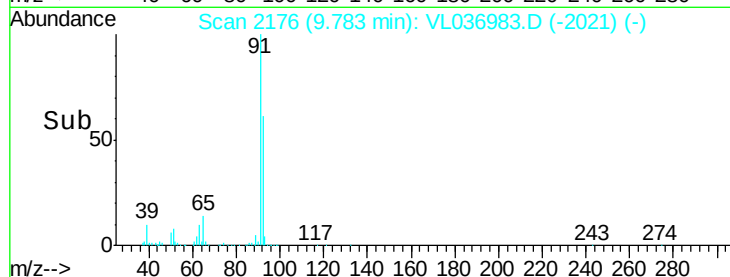
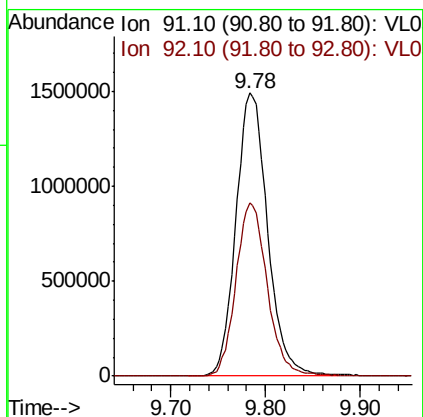
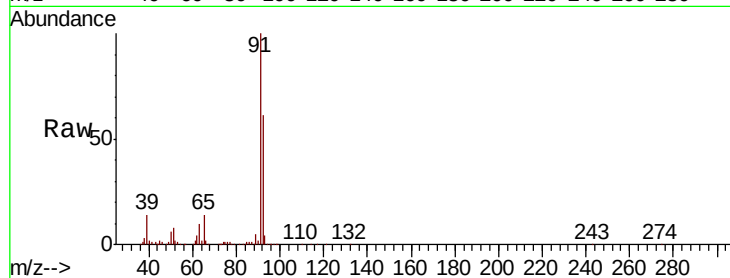
92 61.0 49.5 74.3

Manual Integrations

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5/20/2021 5:56:19 PM



#54

1,2-Dibromoethane

Concen: 10.445 ppbv

RT: 10.59 min Scan# 2427

Delta R.T. 0.00 min

Lab File: VL036983.D

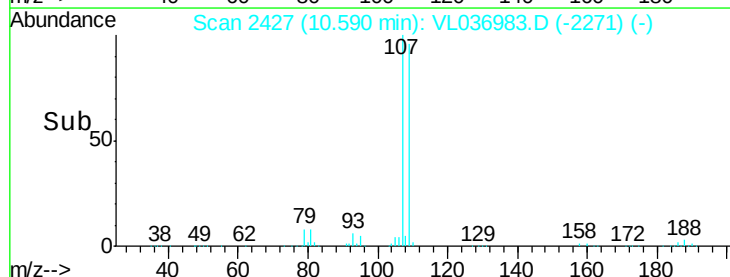
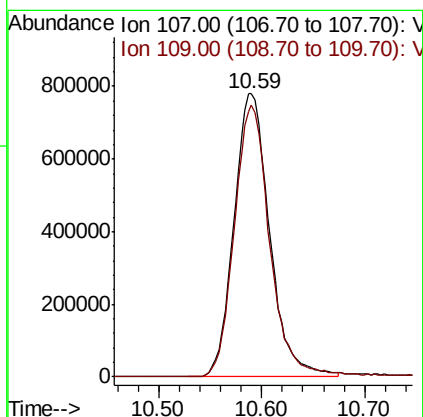
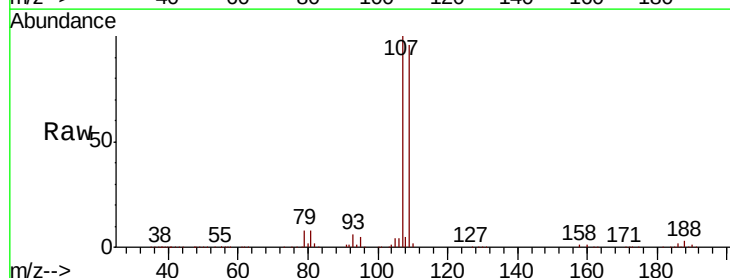
Acq: 19 May 2021 00:08

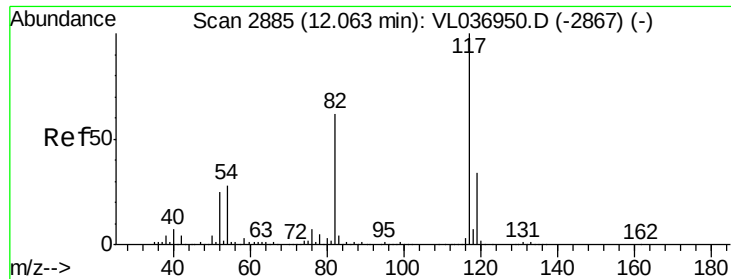
Tgt Ion: 107 Resp: 1875859

Ion Ratio Lower Upper

107 100

109 96.1 75.0 112.4





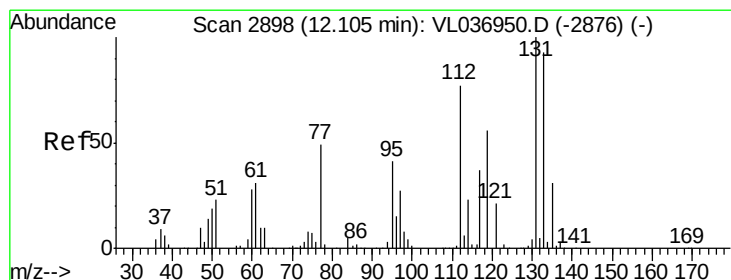
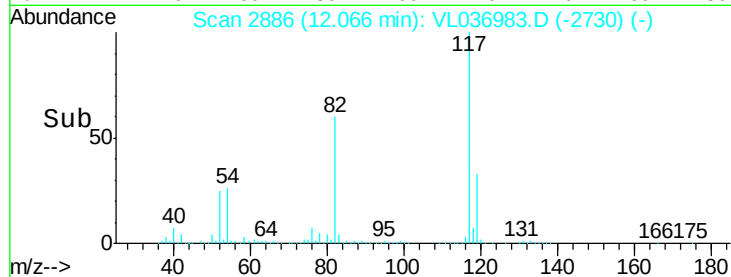
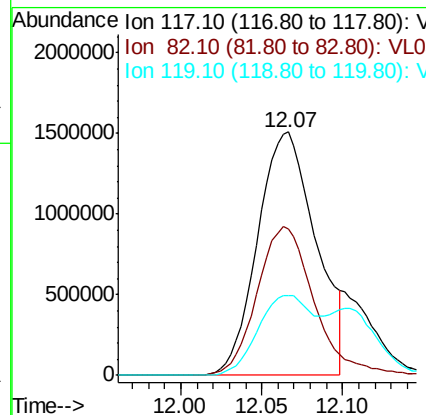
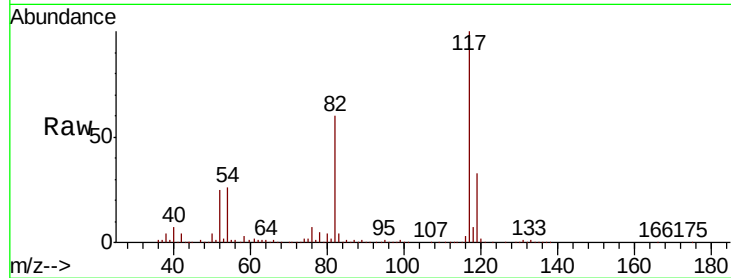
#55
Chlorobenzene-d5
Concen: 10.000 ppbv m
RT: 12.07 min Scan# 2886
Delta R.T. 0.00 min
Lab File: VL036983.D
Acq: 19 May 2021 00:08

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion:117 Resp: 3774373
Ion Ratio Lower Upper
117 100
82 60.7 52.6 79.0
119 55.5 46.6 70.0

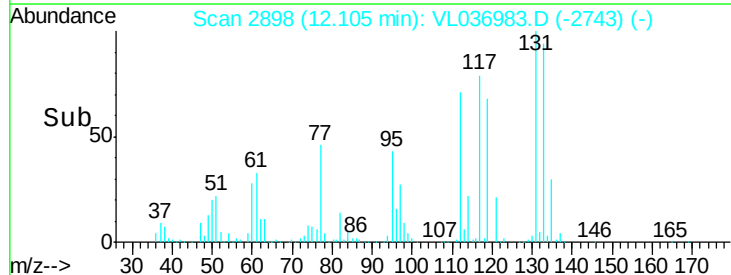
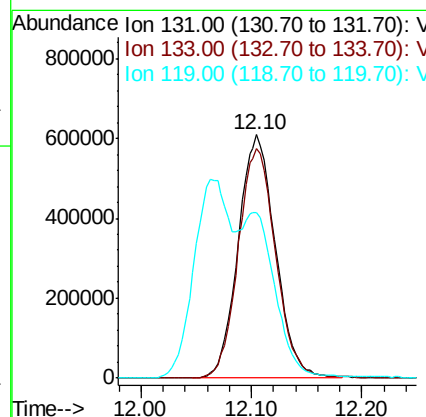
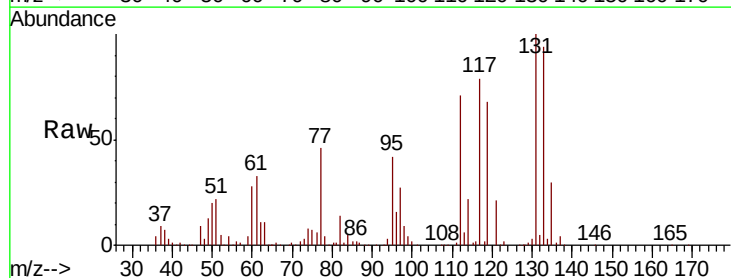
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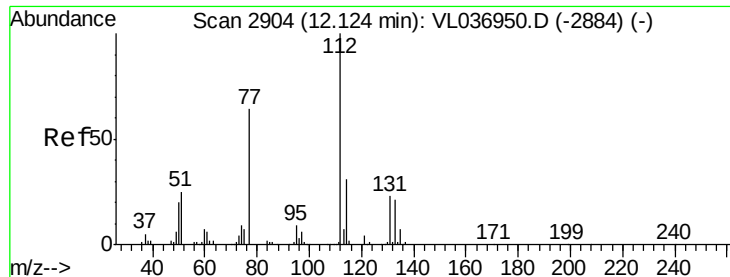
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#56
1,1,1,2-Tetrachloroethane
Concen: 8.945 ppbv
RT: 12.10 min Scan# 2898
Delta R.T. -0.00 min
Lab File: VL036983.D
Acq: 19 May 2021 00:08

Tgt Ion:131 Resp: 1420597
Ion Ratio Lower Upper
131 100
133 95.5 76.9 115.3
119 147.7 120.2 180.4





#57

Chlorobenzene

Concen: 9.221 ppbv

RT: 12.13 min Scan# 2905

Delta R.T. 0.00 min

Lab File: VL036983.D

Acq: 19 May 2021 00:08

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:112 Resp: 2698474

Ion Ratio Lower Upper

112 100

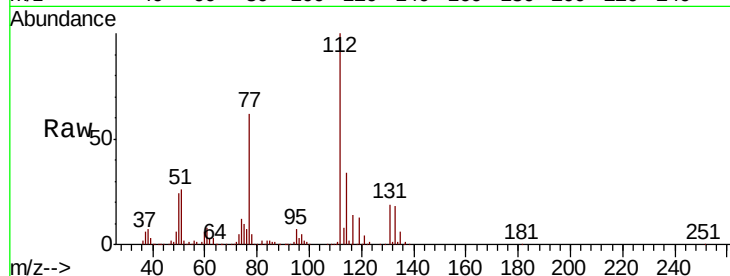
77 61.7 51.0 76.6

114 34.3 28.3 34.5

Manual Integrations
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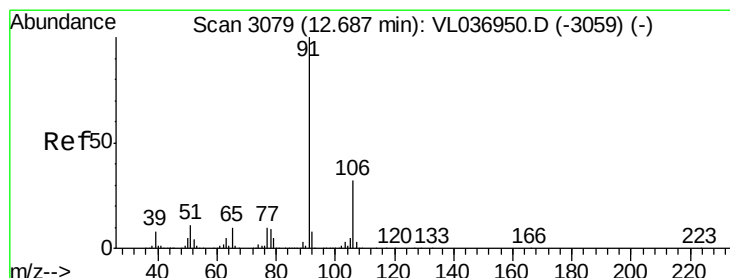
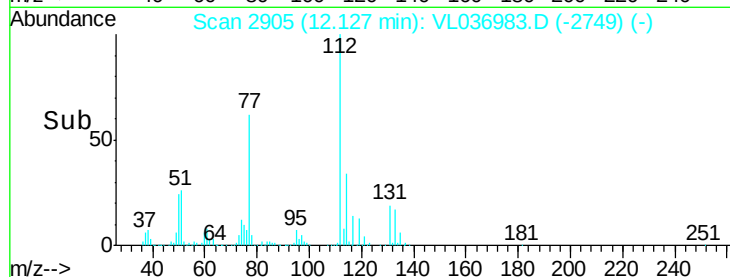
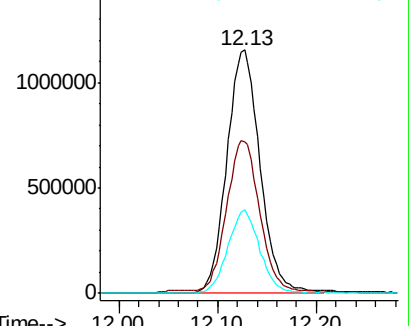
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Abundance Ion 112.10 (111.80 to 112.80): V

Ion 77.10 (76.80 to 77.80): VL0

Ion 114.10 (113.80 to 114.80): V



#58

Ethyl Benzene

Concen: 8.906 ppbv

RT: 12.69 min Scan# 3080

Delta R.T. 0.00 min

Lab File: VL036983.D

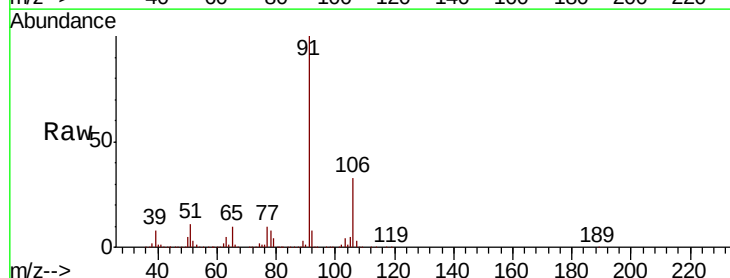
Acq: 19 May 2021 00:08

Tgt Ion: 91 Resp: 4744316

Ion Ratio Lower Upper

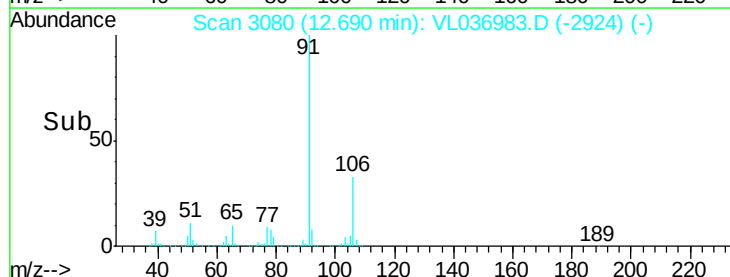
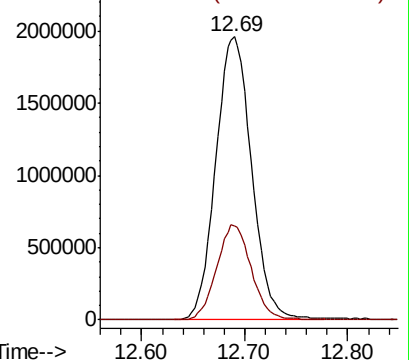
91 100

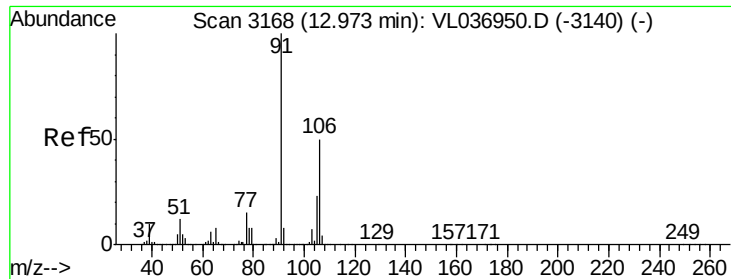
106 33.0 25.6 38.4



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





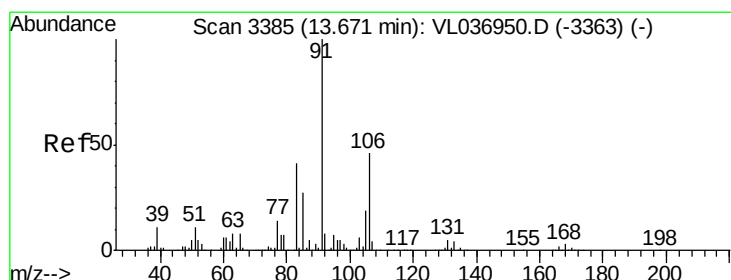
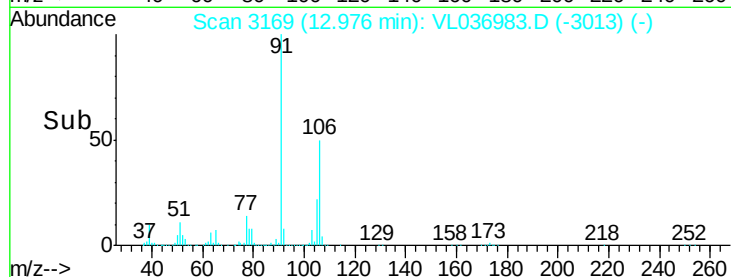
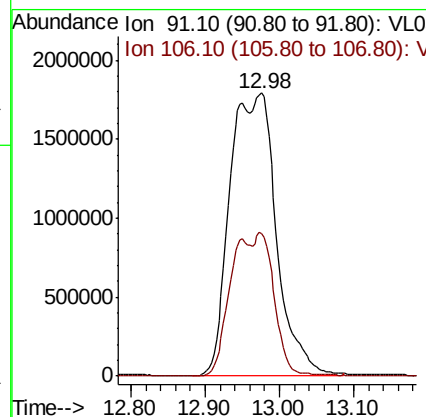
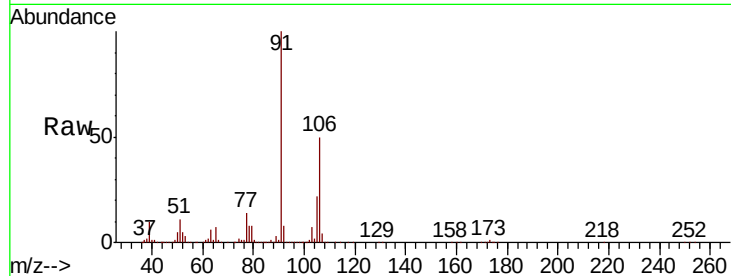
#59
m/p-Xylene
Concen: 17.755 ppbv m
RT: 12.98 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VL036983.D
Acq: 19 May 2021 00:08

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 91 Resp: 7818201
Ion Ratio Lower Upper
91 100
106 46.6 37.4 56.2

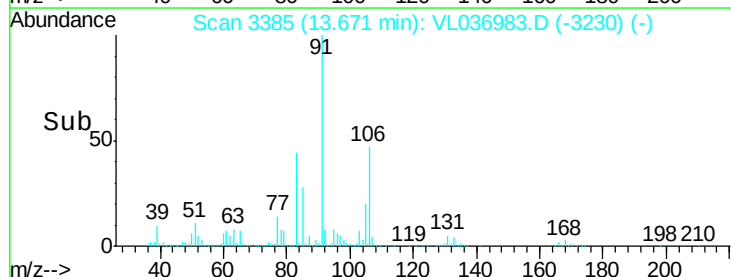
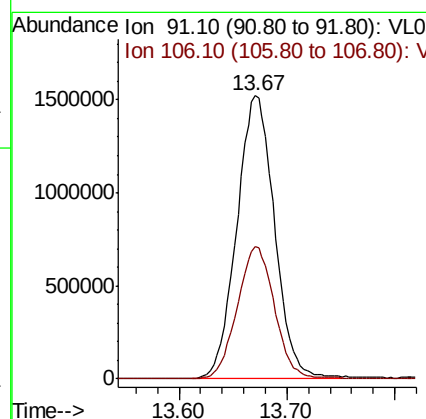
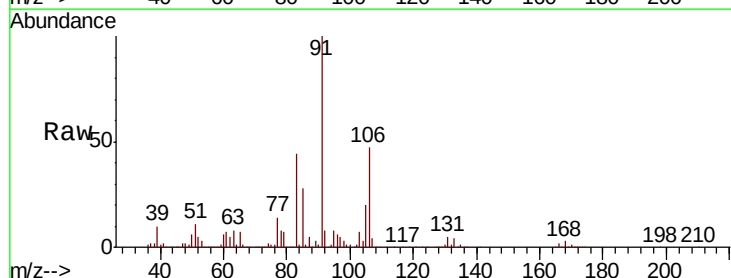
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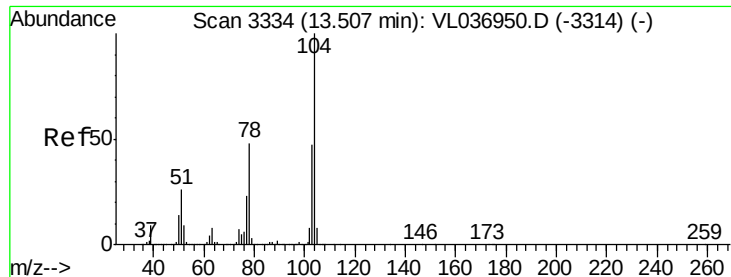
MMDadoda
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#60
o-Xylene
Concen: 8.804 ppbv
RT: 13.67 min Scan# 3385
Delta R.T. -0.00 min
Lab File: VL036983.D
Acq: 19 May 2021 00:08

Tgt Ion: 91 Resp: 3697177
Ion Ratio Lower Upper
91 100
106 46.4 23.4 70.3





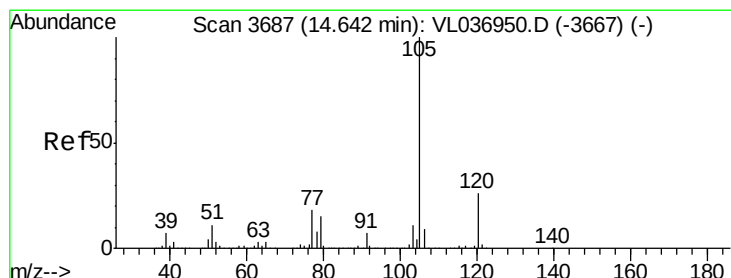
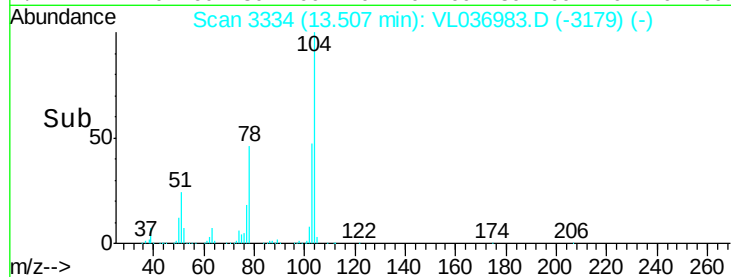
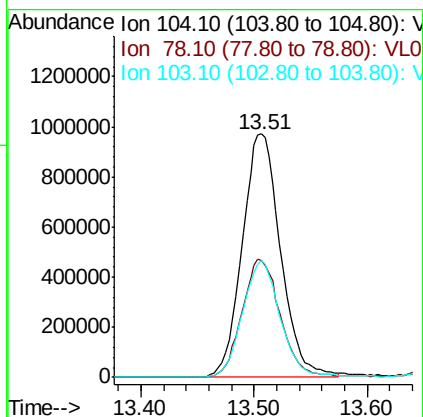
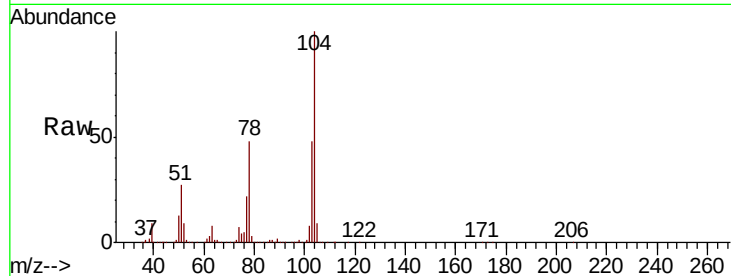
#61
Stvrene
Concen: 9.660 ppbv
RT: 13.51 min Scan# 3334
Delta R.T. -0.00 min
Lab File: VL036983.D
Acq: 19 May 2021 00:08

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion:104 Resp: 2285576
Ion Ratio Lower Upper
104 100
78 49.1 39.0 58.6
103 47.7 38.0 57.0

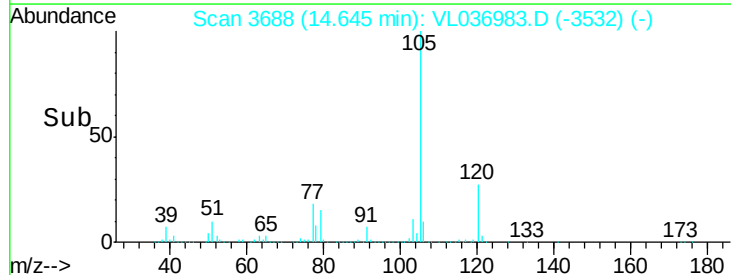
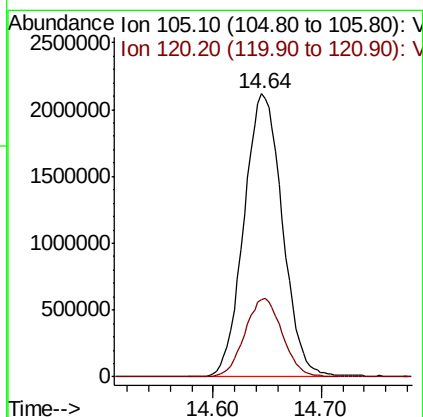
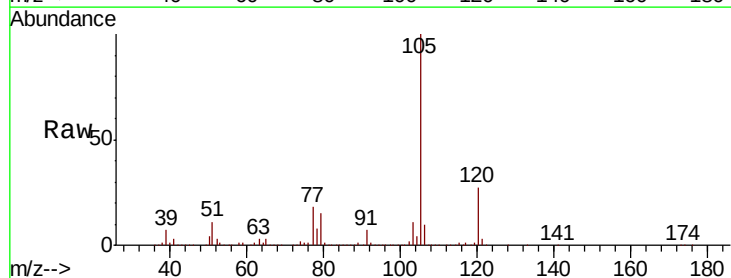
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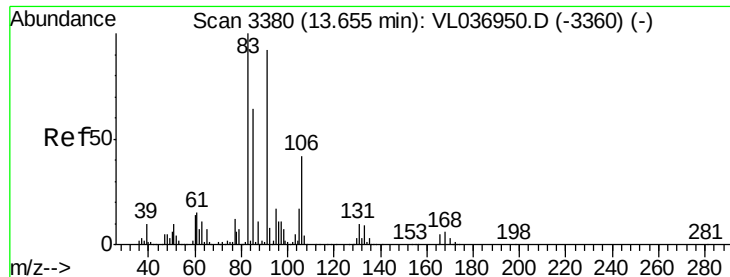
MMDadoda
5/20/2021 5:56:19 PM



#62
Isopropylbenzene
Concen: 8.690 ppbv
RT: 14.64 min Scan# 3688
Delta R.T. 0.00 min
Lab File: VL036983.D
Acq: 19 May 2021 00:08

Tgt Ion:105 Resp: 5244846
Ion Ratio Lower Upper
105 100
120 27.3 21.7 32.5





#63

1,1,2,2-Tetrachloroethane

Concen: 8.112 ppbv

RT: 13.65 min Scan# 3380

Delta R.T. -0.00 min

Lab File: VL036983.D

Acq: 19 May 2021 00:08

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 83 Resp: 2544283

Ion Ratio Lower Upper

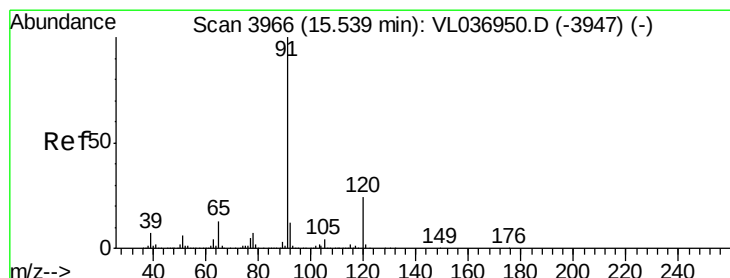
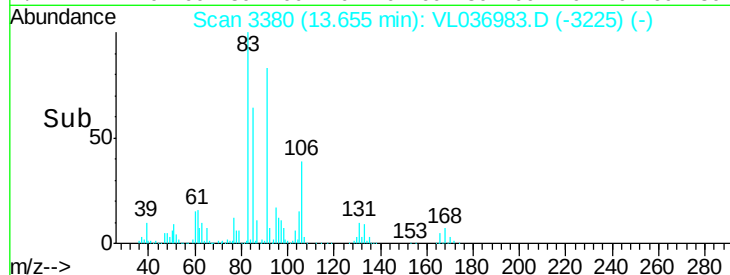
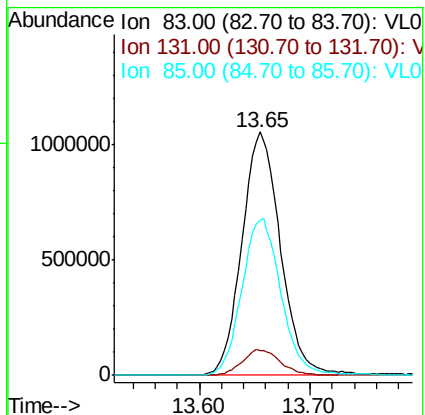
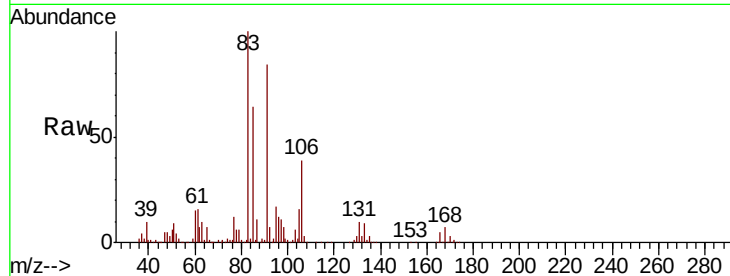
83 100

131 10.5 5.0 15.0

85 66.1 32.9 98.6

Manual Integrations
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5/20/2021 5:56:19 PM



#64

n-propylbenzene

Concen: 9.286 ppbv

RT: 15.54 min Scan# 3966

Delta R.T. -0.00 min

Lab File: VL036983.D

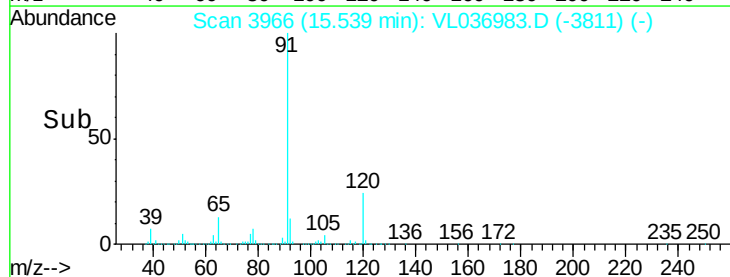
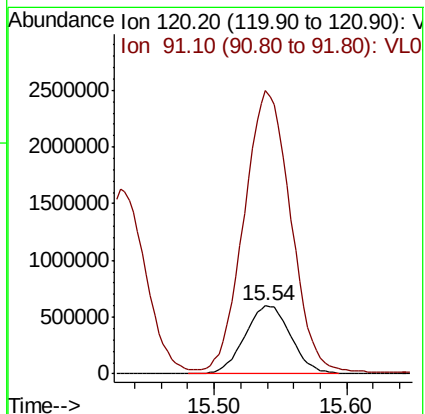
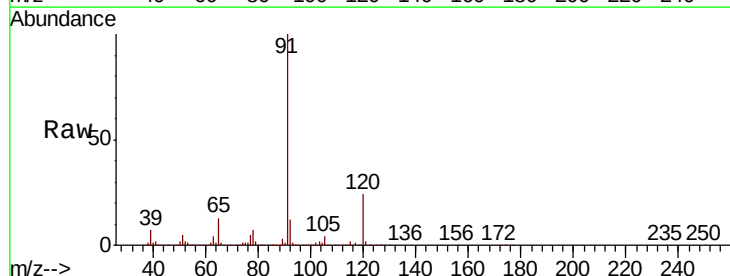
Acq: 19 May 2021 00:08

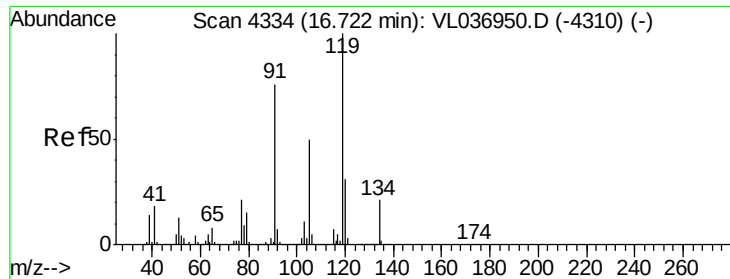
Tgt Ion: 120 Resp: 1446007

Ion Ratio Lower Upper

120 100

91 427.9 343.8 515.6





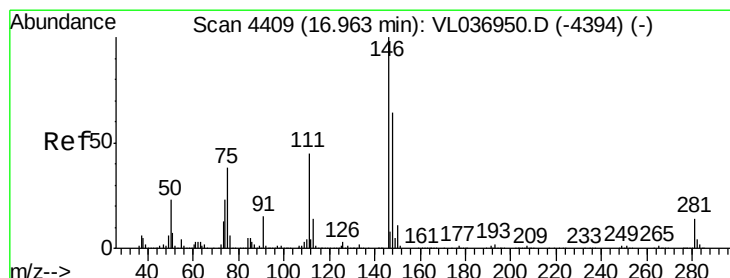
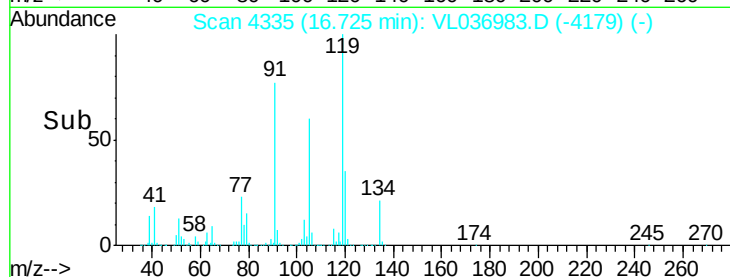
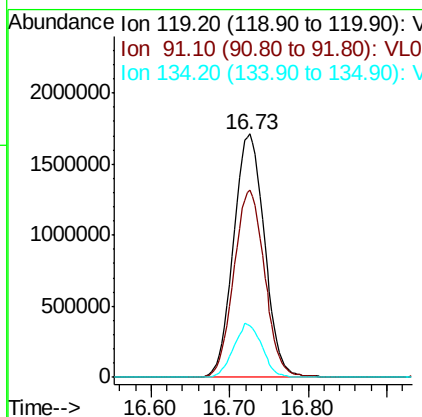
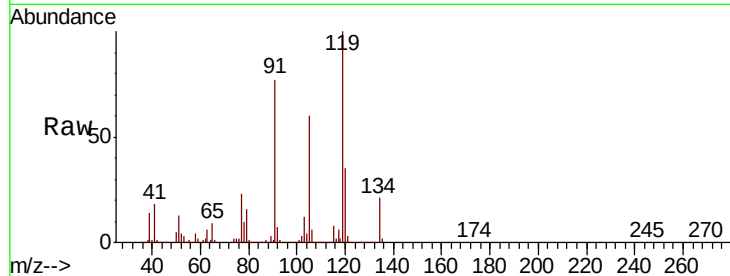
#65
 tert-Butylbenzene
 Concen: 8.625 ppbv
 RT: 16.73 min Scan# 4335
 Delta R.T. 0.00 min
 Lab File: VL036983.D
 Acq: 19 May 2021 00:08

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion:119 Resp: 4697525
 Ion Ratio Lower Upper
 119 100
 91 76.6 61.9 92.9
 134 20.3 16.2 24.4

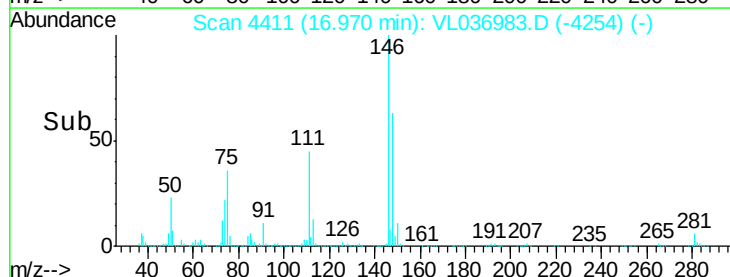
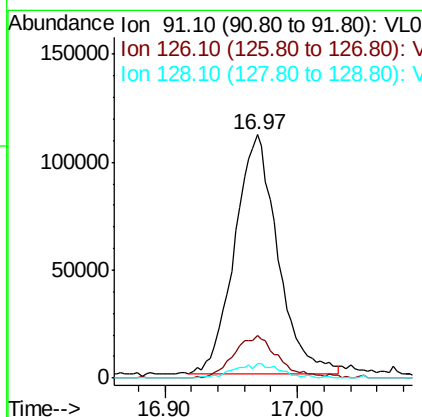
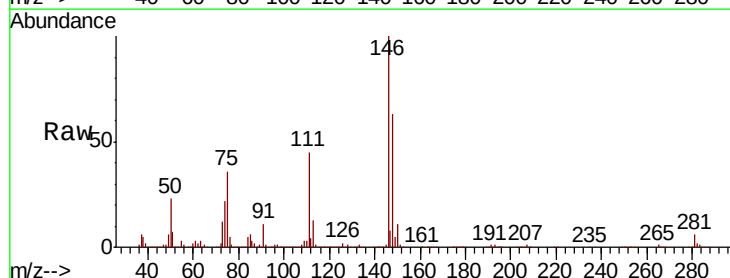
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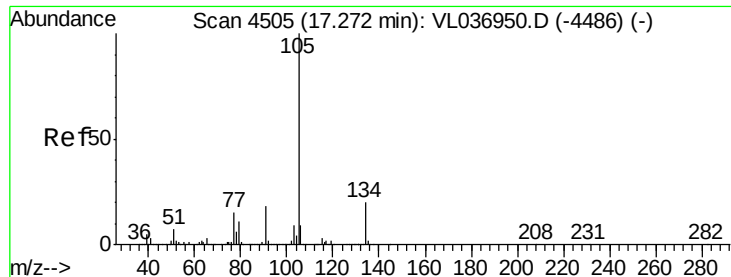
MMDadoda
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#66
 Benzyl Chloride
 Concen: 8.281 ppbv
 RT: 16.97 min Scan# 4411
 Delta R.T. 0.01 min
 Lab File: VL036983.D
 Acq: 19 May 2021 00:08

Tgt Ion: 91 Resp: 250230
 Ion Ratio Lower Upper
 91 100
 126 18.9 16.5 24.7
 128 6.5 5.5 8.3





#67

sec-Butylbenzene

Concen: 8.603 ppbv

RT: 17.27 min Scan# 4505

Delta R.T. -0.00 min

Lab File: VL036983.D

Acq: 19 May 2021 00:08

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:105 Resp: 6391488

Ion Ratio Lower Upper

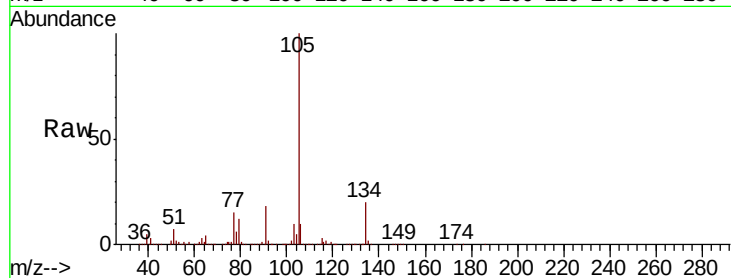
105 100

134 19.8 15.6 23.4

Manual Integrations
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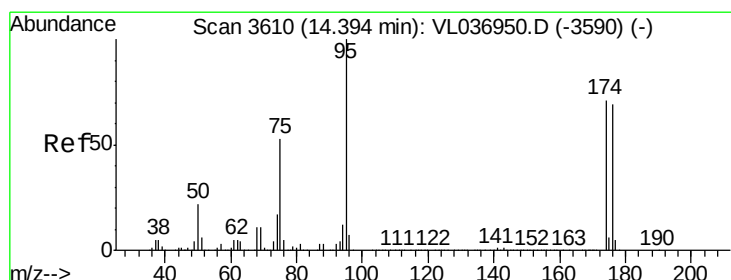
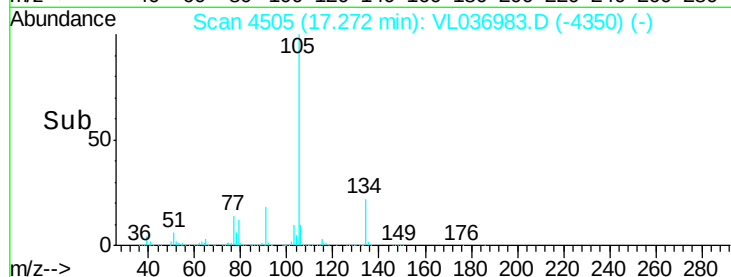
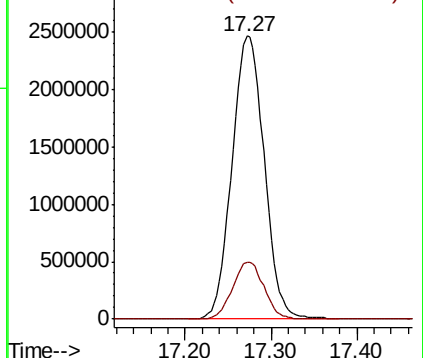
MMDadoda

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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V



#68

1-Bromo-4-Fluorobenzene

Concen: 10.026 ppbv

RT: 14.39 min Scan# 3609

Delta R.T. -0.00 min

Lab File: VL036983.D

Acq: 19 May 2021 00:08

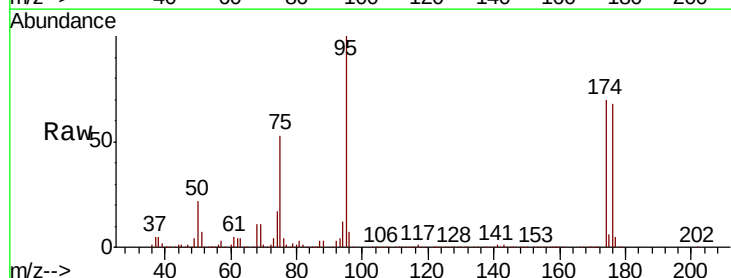
Tgt Ion: 95 Resp: 2842711

Ion Ratio Lower Upper

95 100

174 72.6 58.4 87.6

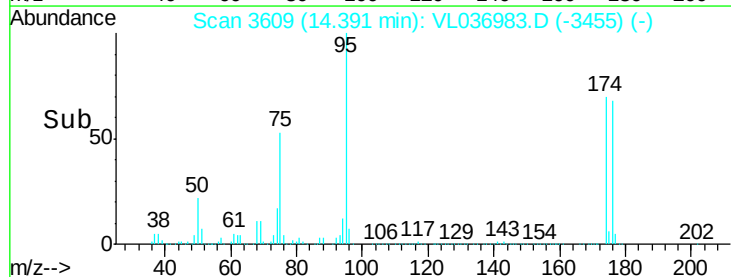
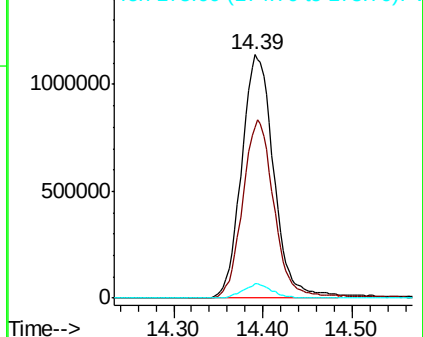
175 5.5 4.4 6.6

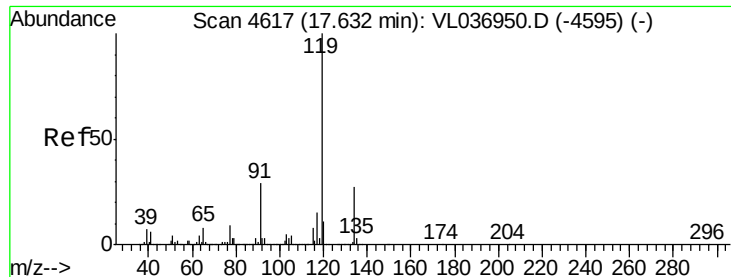


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V





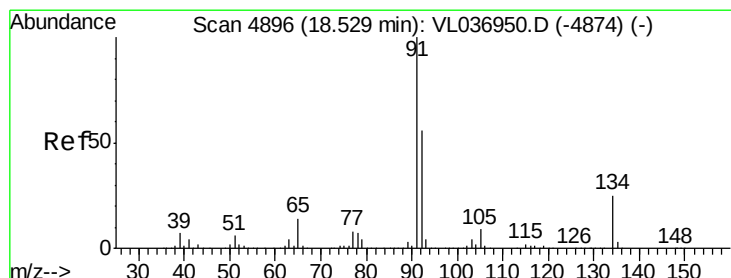
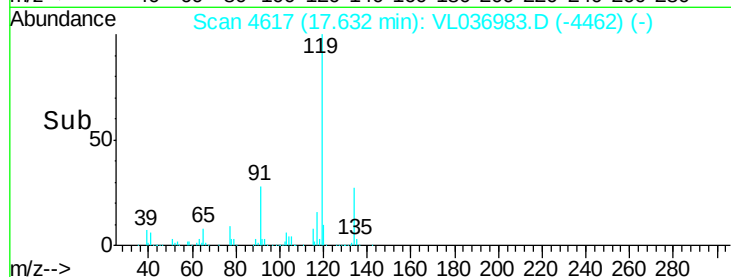
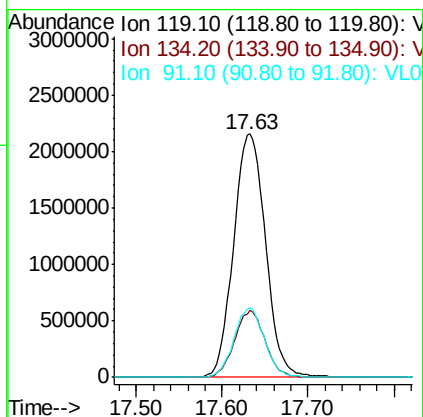
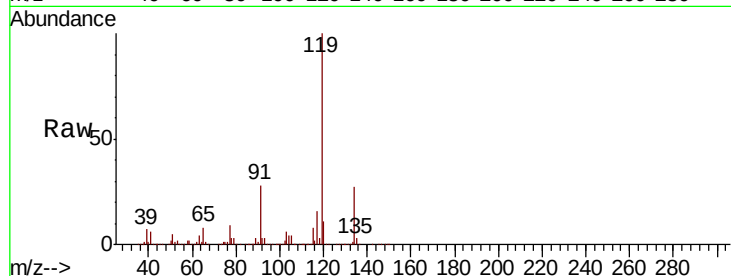
#69
 p-Isopropyltoluene
 Concen: 8.705 ppbv
 RT: 17.63 min Scan# 4617
 Delta R.T. -0.00 min
 Lab File: VL036983.D
 Acq: 19 May 2021 00:08

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
119	100		
134	26.5	21.2	31.8
91	27.3	22.2	33.4

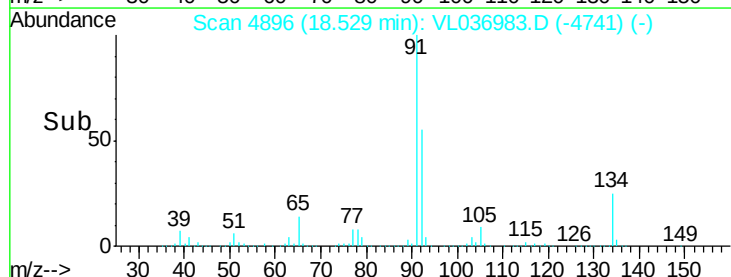
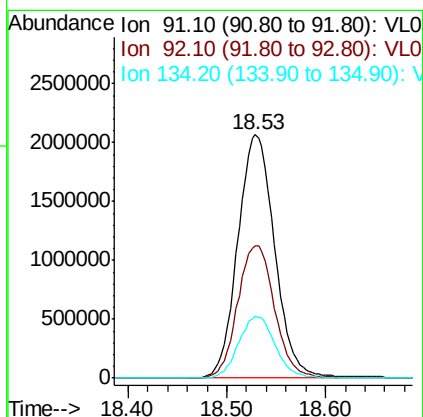
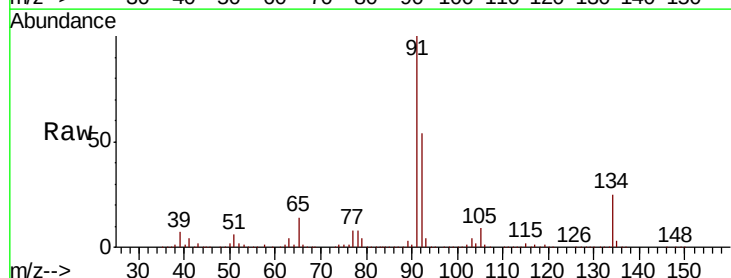
Manual Integrations
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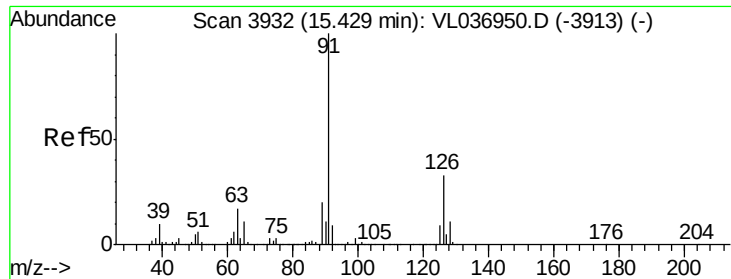
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#70
 n-Butylbenzene
 Concen: 8.801 ppbv
 RT: 18.53 min Scan# 4896
 Delta R.T. -0.00 min
 Lab File: VL036983.D
 Acq: 19 May 2021 00:08

Tgt Ion	Ratio	Lower	Upper
91	100		
92	55.1	44.6	66.8
134	25.5	20.2	30.2





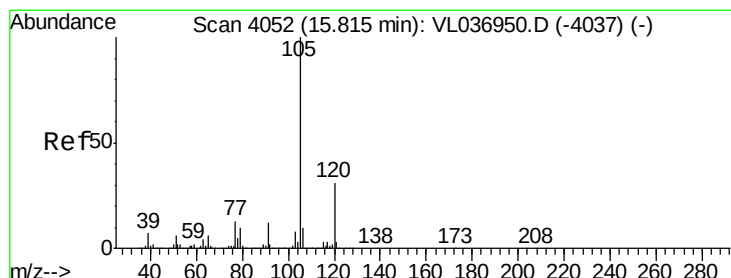
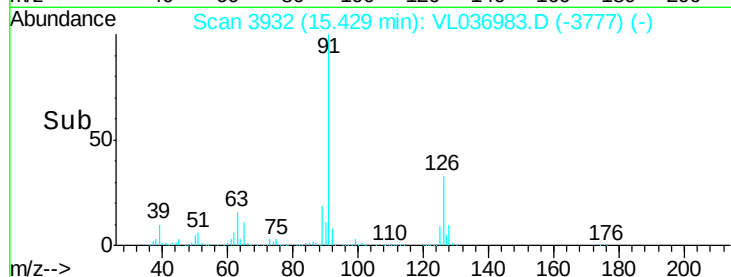
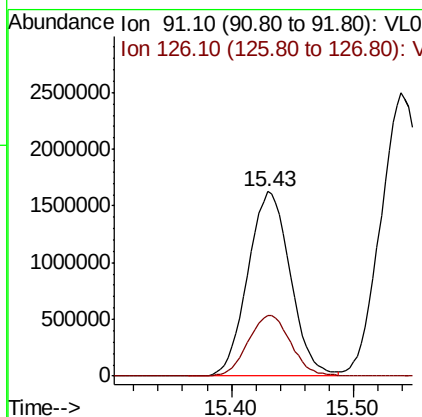
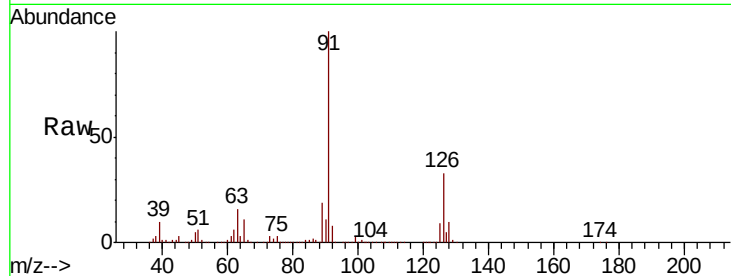
#71
2-Chlorotoluene
Concen: 8.988 ppbv
RT: 15.43 min Scan# 3932
Delta R.T. -0.00 min
Lab File: VL036983.D
Acq: 19 May 2021 00:08

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 91 Resp: 3917953
Ion Ratio Lower Upper
91 100
126 33.3 13.1 52.5

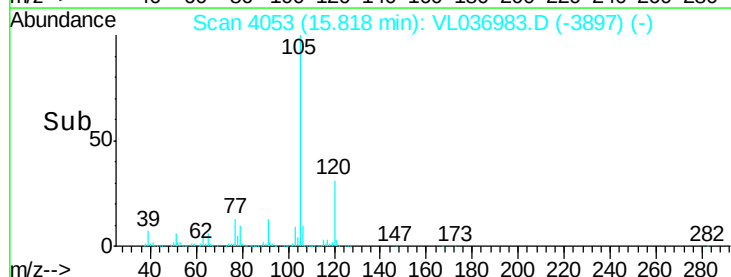
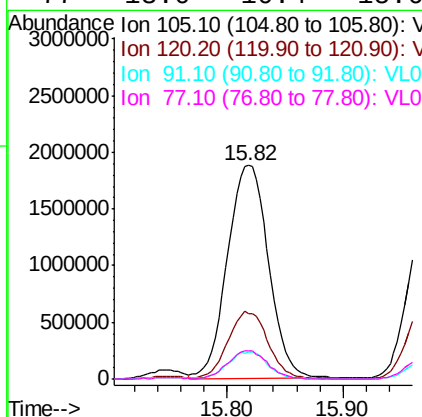
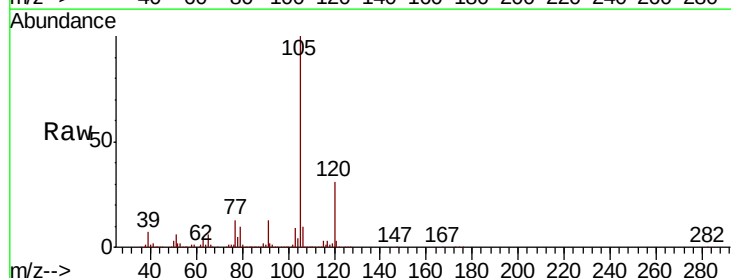
Manual Integrations
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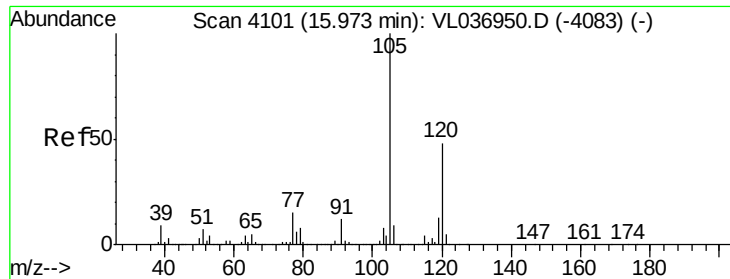
MMDadoda
5/20/2021 5:56:19 PM



#72
4-Ethyltoluene
Concen: 9.237 ppbv
RT: 15.82 min Scan# 4053
Delta R.T. 0.00 min
Lab File: VL036983.D
Acq: 19 May 2021 00:08

Tgt Ion:105 Resp: 4604257
Ion Ratio Lower Upper
105 100
120 31.3 24.6 37.0
91 12.3 9.8 14.6
77 13.0 10.4 15.6





#73

1,3,5-Trimethylbenzene

Concen: 8.843 ppbv

RT: 15.98 min Scan# 4102

Delta R.T. 0.00 min

Lab File: VL036983.D

Acq: 19 May 2021 00:08

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:105 Resp: 4138995

Ion Ratio Lower Upper

105 100

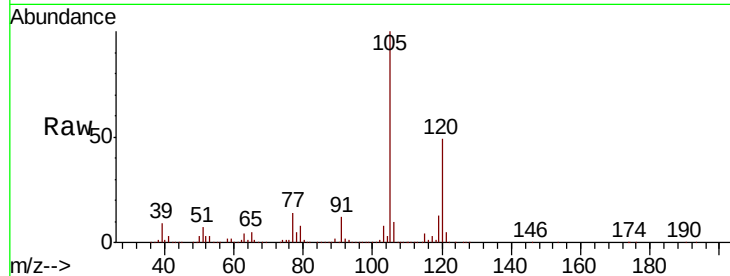
120 48.7 38.6 58.0

Manual Integrations

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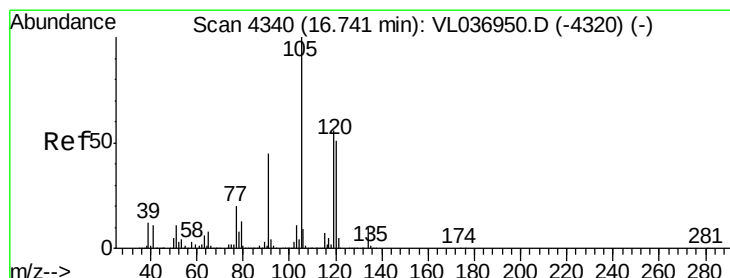
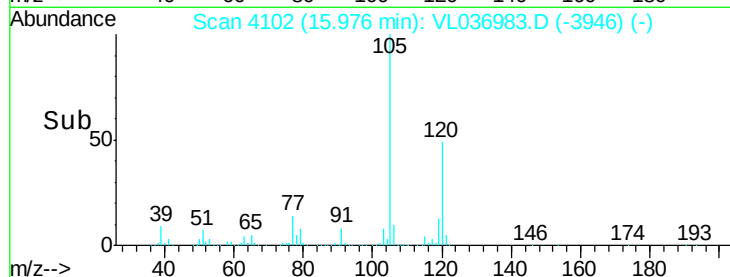
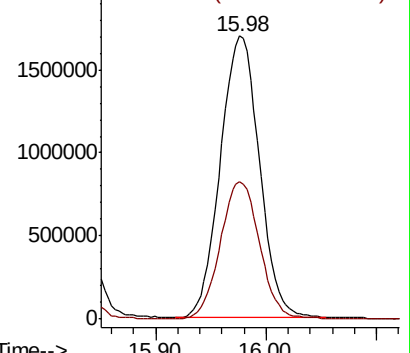
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5/20/2021 5:56:19 PM



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: 8.829 ppbv

RT: 16.74 min Scan# 4340

Delta R.T. -0.00 min

Lab File: VL036983.D

Acq: 19 May 2021 00:08

Tgt Ion:105 Resp: 4272827

Ion Ratio Lower Upper

105 100

120 50.5 40.6 61.0

91 49.3 37.4 56.0

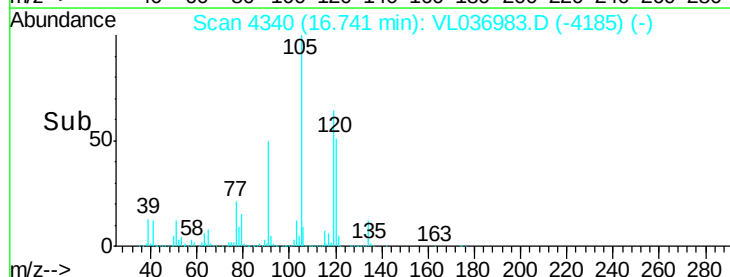
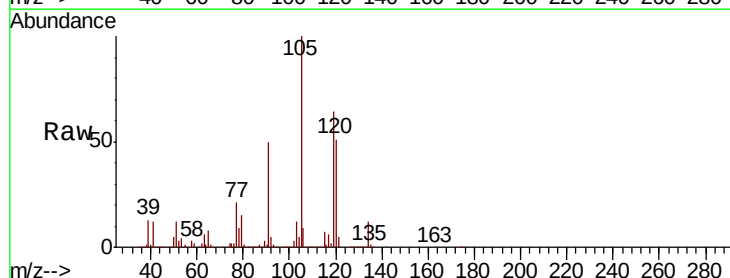
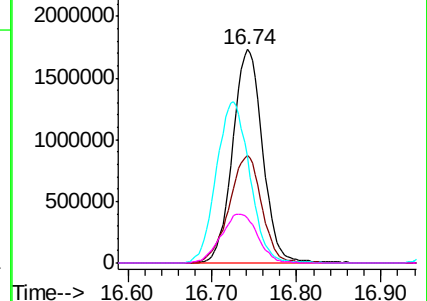
77 21.0 16.2 24.4

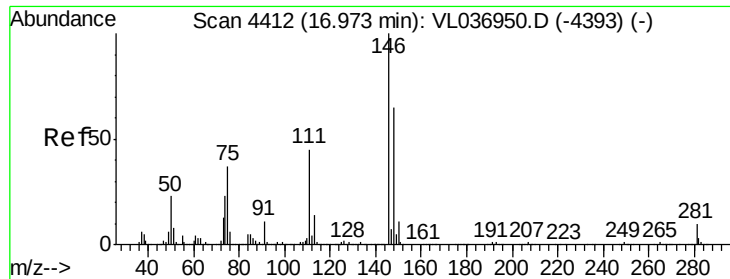
Abundance Ion 105.10 (104.80 to 105.80): V

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





#75

1,3-Dichlorobenzene

Concen: 9.228 ppbv

RT: 16.98 min Scan# 4413

Delta R.T. 0.00 min

Lab File: VL036983.D

Acq: 19 May 2021 00:08

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:146 Resp: 2727242

Ion Ratio Lower Upper

146 100

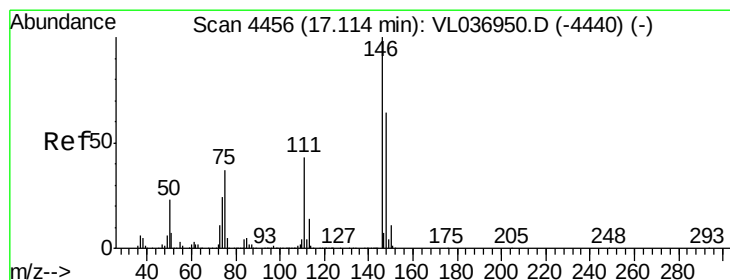
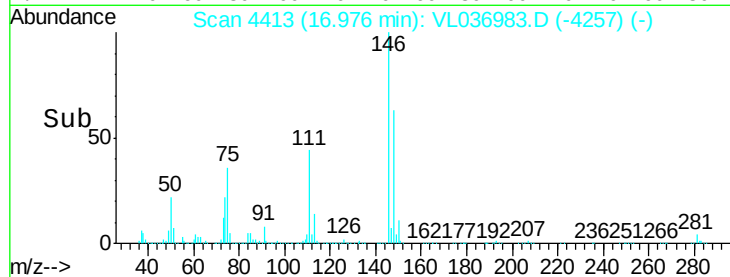
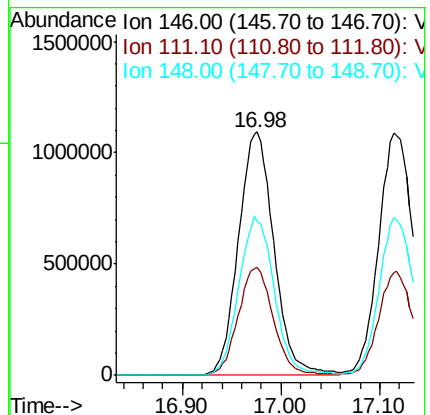
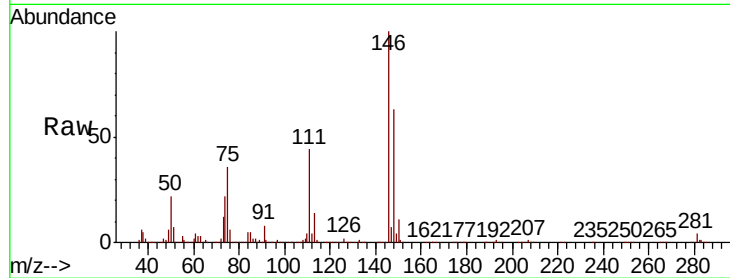
111 43.8 22.2 66.6

148 64.8 32.3 96.8

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5/20/2021 5:56:19 PM



#76

1,4-Dichlorobenzene

Concen: 8.832 ppbv

RT: 17.11 min Scan# 4456

Delta R.T. -0.00 min

Lab File: VL036983.D

Acq: 19 May 2021 00:08

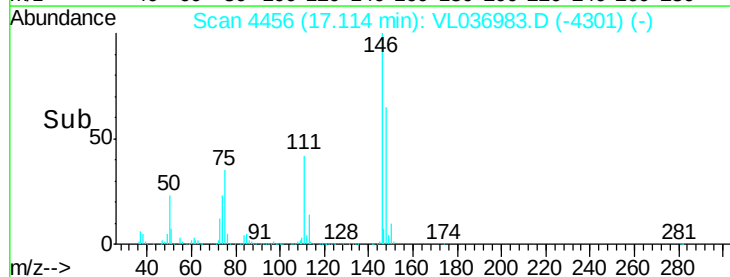
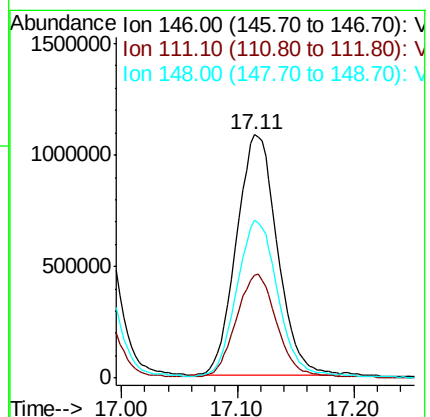
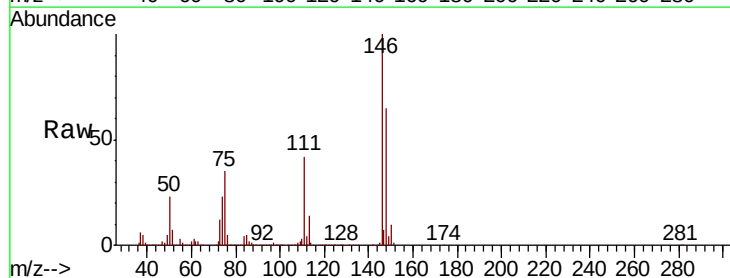
Tgt Ion:146 Resp: 2639018

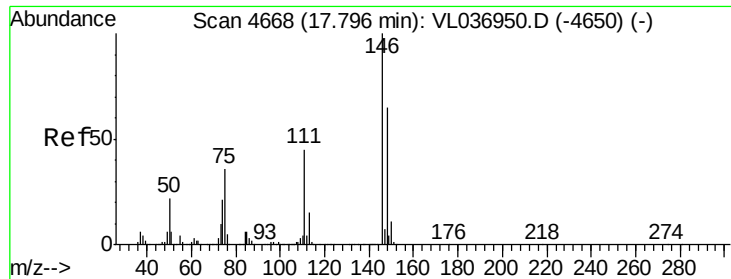
Ion Ratio Lower Upper

146 100

111 43.3 22.6 67.7

148 67.1 33.5 100.5





#77

1,2-Dichlorobenzene

Concen: 8.891 ppbv

RT: 17.80 min Scan# 4668

Delta R.T. -0.00 min

Lab File: VL036983.D

Acq: 19 May 2021 00:08

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:146 Resp: 2632932

Ion Ratio Lower Upper

146 100

111 45.6 23.1 69.2

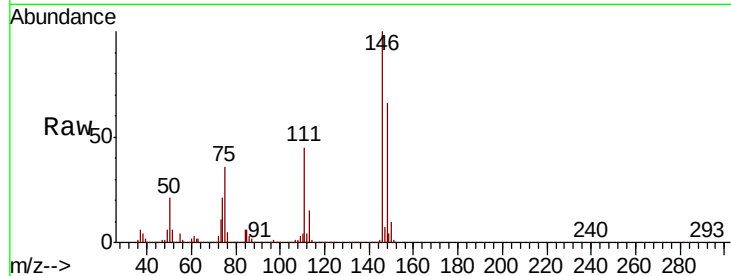
148 64.3 32.5 97.4

Manual Integrations

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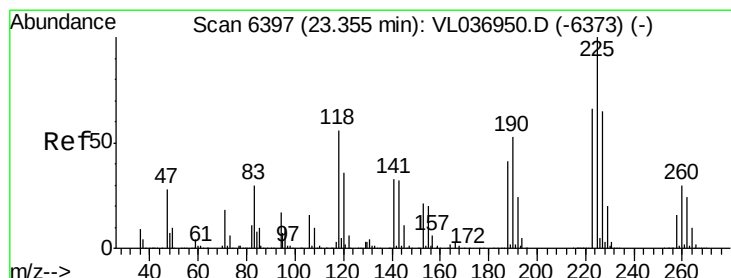
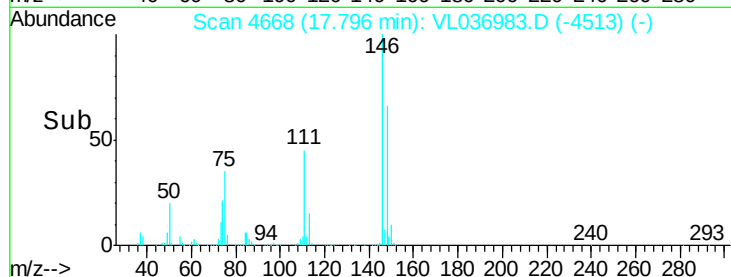
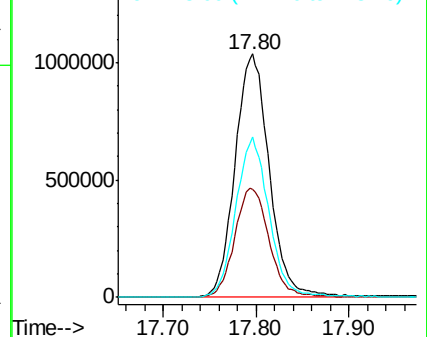
5/20/2021 5:56:19 PM



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: 7.743 ppbv

RT: 23.36 min Scan# 6397

Delta R.T. -0.00 min

Lab File: VL036983.D

Acq: 19 May 2021 00:08

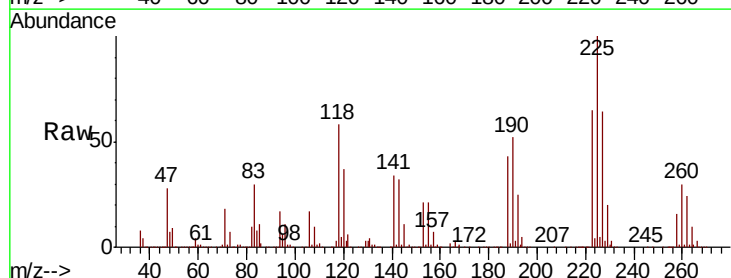
Tgt Ion:225 Resp: 1843775

Ion Ratio Lower Upper

225 100

223 64.3 51.9 77.9

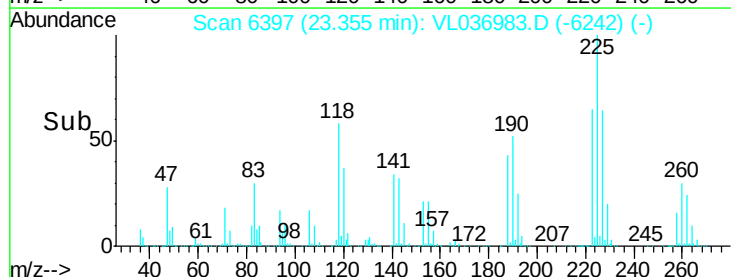
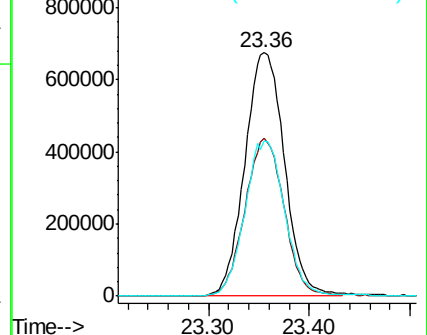
227 64.8 51.8 77.6

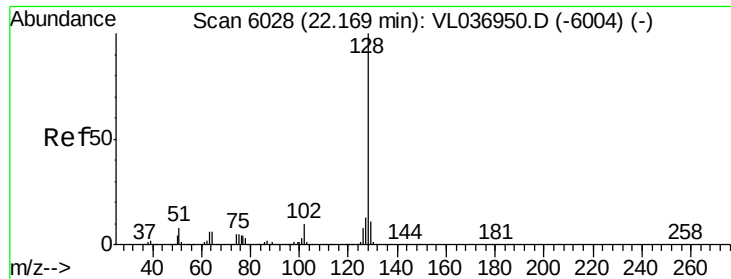


Abundance Ion 224.90 (224.60 to 225.60): V

Ion 222.90 (222.60 to 223.60): V

Ion 226.90 (226.60 to 227.60): V





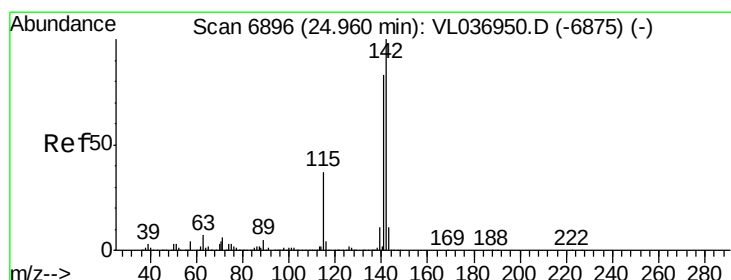
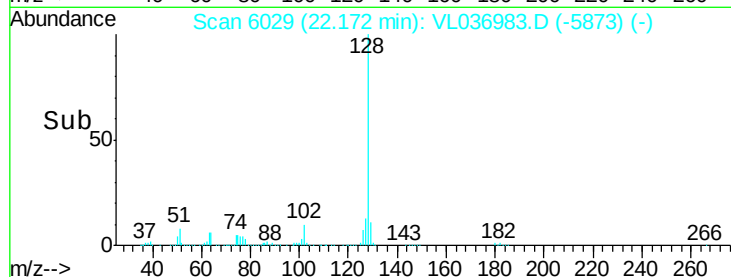
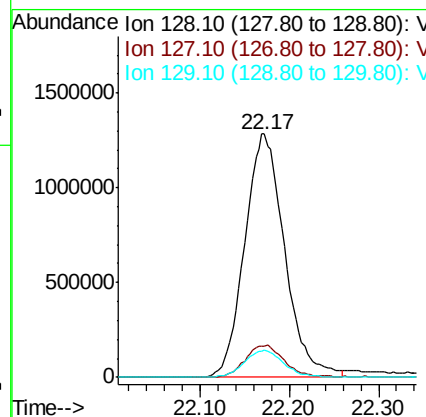
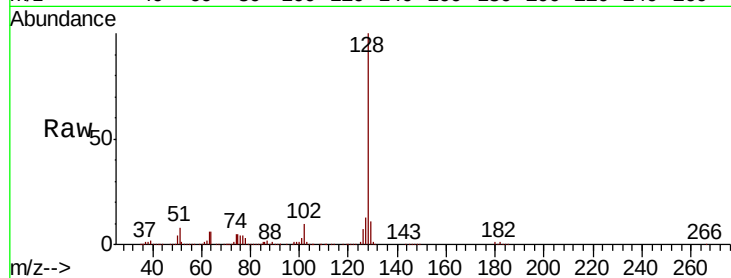
#79
Naphthalene
Concen: 10.532 ppbv
RT: 22.17 min Scan# 6029
Delta R.T. 0.00 min
Lab File: VL036983.D
Acq: 19 May 2021 00:08

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.4	15.6
129	11.1	9.0	13.6

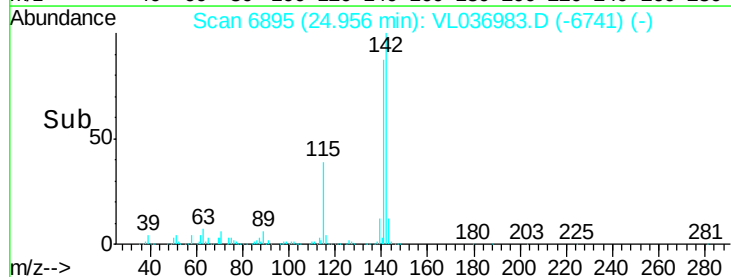
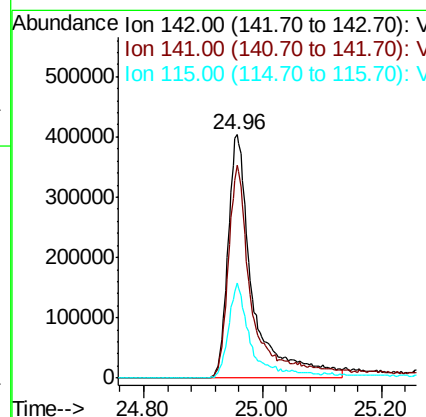
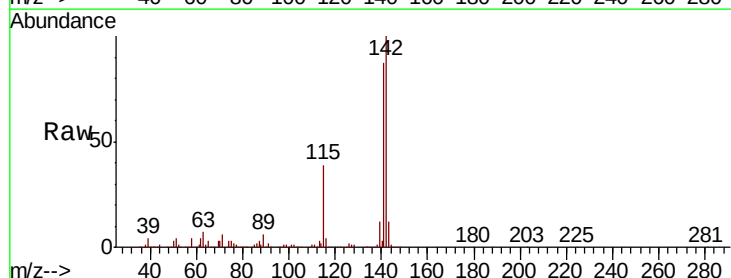
Manual Integrations
APPROVED

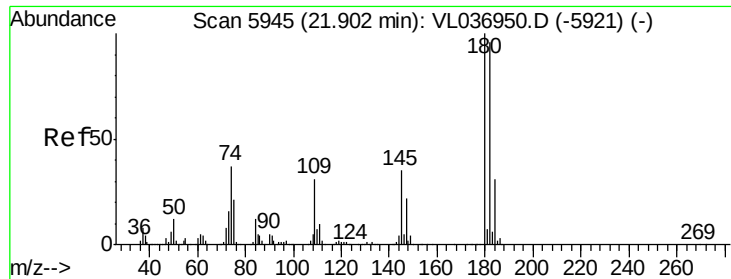
MMDadoda
5/20/2021 5:56:19 PM



#80
Naphthalene, 2-methyl-
Concen: 14.135 ppbv
RT: 24.96 min Scan# 6895
Delta R.T. -0.00 min
Lab File: VL036983.D
Acq: 19 May 2021 00:08

Tgt Ion	Ratio	Lower	Upper
142	100		
141	86.0	69.3	103.9
115	35.8	29.1	43.7





#81
 1,2,4-Trichlorobenzene
 Concen: 9.657 ppbv
 RT: 21.90 min Scan# 5945
 Delta R.T. -0.00 min
 Lab File: VL036983.D
 Acq: 19 May 2021 00:08

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
180	100		
182	101.8	81.7	122.5
184	31.5	24.9	37.3

Manual Integrations
 APPROVED

MMDadoda
 5/20/2021 5:56:19 PM

