

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL051921\
 Data File : VL037017.D
 Acq On : 20 May 2021 7:31
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleID :
 VSTDCCC010EC

Manual Integrations
 APPROVED

MMDadoda
 5/24/2021 3:03:06 PM

Quant Time: May 20 09:00:01 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	5.64	49	967994	10.00	ppbv	-0.01
33) 1,4-Difluorobenzene	7.14	114	2911146	10.00	ppbv	-0.01
55) Chlorobenzene-d5	12.05	117	2781993m	10.00	ppbv	-0.01

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.38	95	2181756	10.44	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	104.40%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.02	85	1706197	10.390	ppbv	99
3) Chlorodifluoromethane	2.96	51	1837678	10.363	ppbv	99
4) Chloromethane	3.11	50	641641	10.633	ppbv	98
5) Vinyl Chloride	3.23	62	687867	10.428	ppbv	99
6) Bromomethane	3.45	94	411041	11.826	ppbv	95
7) Chloroethane	3.53	64	249352	11.642	ppbv	96
8) Dichlorotetrafluoroethane	3.16	85	1713976	11.116	ppbv	100
9) Propene	2.98	41	611519	9.630	ppbv	97
10) Heptane	8.09	43	1584888	10.015	ppbv	98
11) Trichlorofluoromethane	3.92	101	1725143	11.350	ppbv	100
12) 1,1,2-Trichlorotrifluoroet	4.46	101	1203160	11.113	ppbv	98
13) Ethanol	3.59	45	68553m	8.091	ppbv	
14) Bromoethene	3.71	108	526501	11.040	ppbv	100
15) Acetone	3.83	43	906670	9.145	ppbv	96
16) 1,3-Butadiene	3.30	39	670478	10.885	ppbv	98
17) tert-Butyl alcohol	4.27	59	959761	10.568	ppbv	100
18) 1,1-Dichloroethene	4.26	96	565015	11.286	ppbv	97
19) Isopropyl Alcohol	3.94	45	548394	10.289	ppbv	# 34
20) Methylene Chloride	4.31	84	470829	8.859	ppbv	98
21) Allyl Chloride	4.38	41	817520	10.930	ppbv	99
22) trans-1,2-Dichloroethene	4.86	96	543664	11.331	ppbv	99
23) Vinyl Acetate	5.04	43	1569082	9.971	ppbv	# 99
24) 1,1-Dichloroethane	4.98	63	1180775	10.424	ppbv	99
25) Ethyl Acetate	5.65	43	2422814	10.169	ppbv	100
26) Hexane	5.65	57	1190754	9.783	ppbv	99
27) Carbon Disulfide	4.52	76	1254484	10.227	ppbv	100
28) Methyl tert-Butyl Ether	5.01	73	1393384	9.551	ppbv	99
29) Chloroform	5.72	83	1827306	10.627	ppbv	96
30) Cyclohexane	7.10	84	1033048	9.988	ppbv	99
31) cis-1,2-Dichloroethene	5.52	61	1188366	10.890	ppbv	98
32) 1,1,1-Trichloroethane	6.48	97	1840319	9.967	ppbv	98
34) 2-Butanone	5.21	43	1169713	11.035	ppbv	100
35) Carbon Tetrachloride	6.99	117	1932338	9.990	ppbv	100
36) Benzene	6.86	78	2491943	9.938	ppbv	99
37) 1,2-Dichloroethane	6.28	62	1356848	10.914	ppbv	99
38) Trichloroethene	7.80	130	1009189	9.408	ppbv	98
39) 1,2-Dichloropropane	7.58	63	944658	9.779	ppbv	95
40) 1,4-Dioxane	7.80	88	232748	10.205	ppbv	# 100
41) Tetrahydrofuran	6.02	42	605205	10.025	ppbv	99
42) Bromodichloromethane	7.76	83	2001052	10.639	ppbv	100
43) Methyl Methacrylate	7.98	69	907266	10.498	ppbv	99

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Quant Time: May 20 09:00:01 2021
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 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue May 18 2021
 QLast Update : Tue May 18 12:00:15 2021
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.83	57	4105021	9.542	ppbv	99
45) t-1,3-Dichloropropene	9.25	75	893315	13.529	ppbv	99
46) cis-1,3-Dichloropropene	8.67	75	1165607	13.124	ppbv	99
47) 1,1,2-Trichloroethane	9.44	97	1051779	10.404	ppbv	98
48) Dibromochloromethane	10.27	129	1783773	10.897	ppbv	100
49) Bromoform	13.01	173	1496397	11.069	ppbv	99
50) 4-Methyl-2-Pentanone	8.71	43	1768874	10.113	ppbv	98
51) 2-Hexanone	10.10	43	926673	10.021	ppbv #	99
52) Tetrachloroethene	11.19	164	1020922	10.239	ppbv	97
53) Toluene	9.77	91	2996758	10.044	ppbv	99
54) 1,2-Dibromoethane	10.57	107	1546076	10.757	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.09	131	1203118	10.278	ppbv	94
57) Chlorobenzene	12.11	112	2242727	10.397	ppbv	98
58) Ethyl Benzene	12.67	91	3995674	10.176	ppbv	99
59) m/p-Xylene	12.96	91	6668160m	20.545	ppbv	
60) o-Xylene	13.66	91	3154716	10.192	ppbv	99
61) Styrene	13.49	104	1884201	10.805	ppbv	98
62) Isopropylbenzene	14.63	105	4458336	10.022	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.64	83	2131193	9.219	ppbv	100
64) n-propylbenzene	15.53	120	1205540	10.503	ppbv	98
65) tert-Butylbenzene	16.71	119	4016277	10.005	ppbv	100
66) Benzyl Chloride	16.95	91	195516	8.778	ppbv	94
67) sec-Butylbenzene	17.26	105	5451222	9.954	ppbv	99
69) p-Isopropyltoluene	17.62	119	4732906	10.052	ppbv	99
70) n-Butylbenzene	18.51	91	4564780	10.205	ppbv	99
71) 2-Chlorotoluene	15.42	91	3303457	10.281	ppbv	100
72) 4-Ethyltoluene	15.81	105	3886445	10.579	ppbv	99
73) 1,3,5-Trimethylbenzene	15.96	105	3520100	10.203	ppbv	98
74) 1,2,4-Trimethylbenzene	16.73	105	3637487	10.197	ppbv	97
75) 1,3-Dichlorobenzene	16.96	146	2279530	10.465	ppbv	100
76) 1,4-Dichlorobenzene	17.10	146	2218879	10.075	ppbv	99
77) 1,2-Dichlorobenzene	17.78	146	2205398	10.104	ppbv	99
78) Hexachloro-1,3-Butadiene	23.34	225	1550431	8.834	ppbv	99
79) Naphthalene	22.16	128	3210405	11.470	ppbv	98
80) Naphthalene, 2-methyl-	24.94	142	900312	14.792	ppbv	98
81) 1,2,4-Trichlorobenzene	21.88	180	1826750	10.706	ppbv	98

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

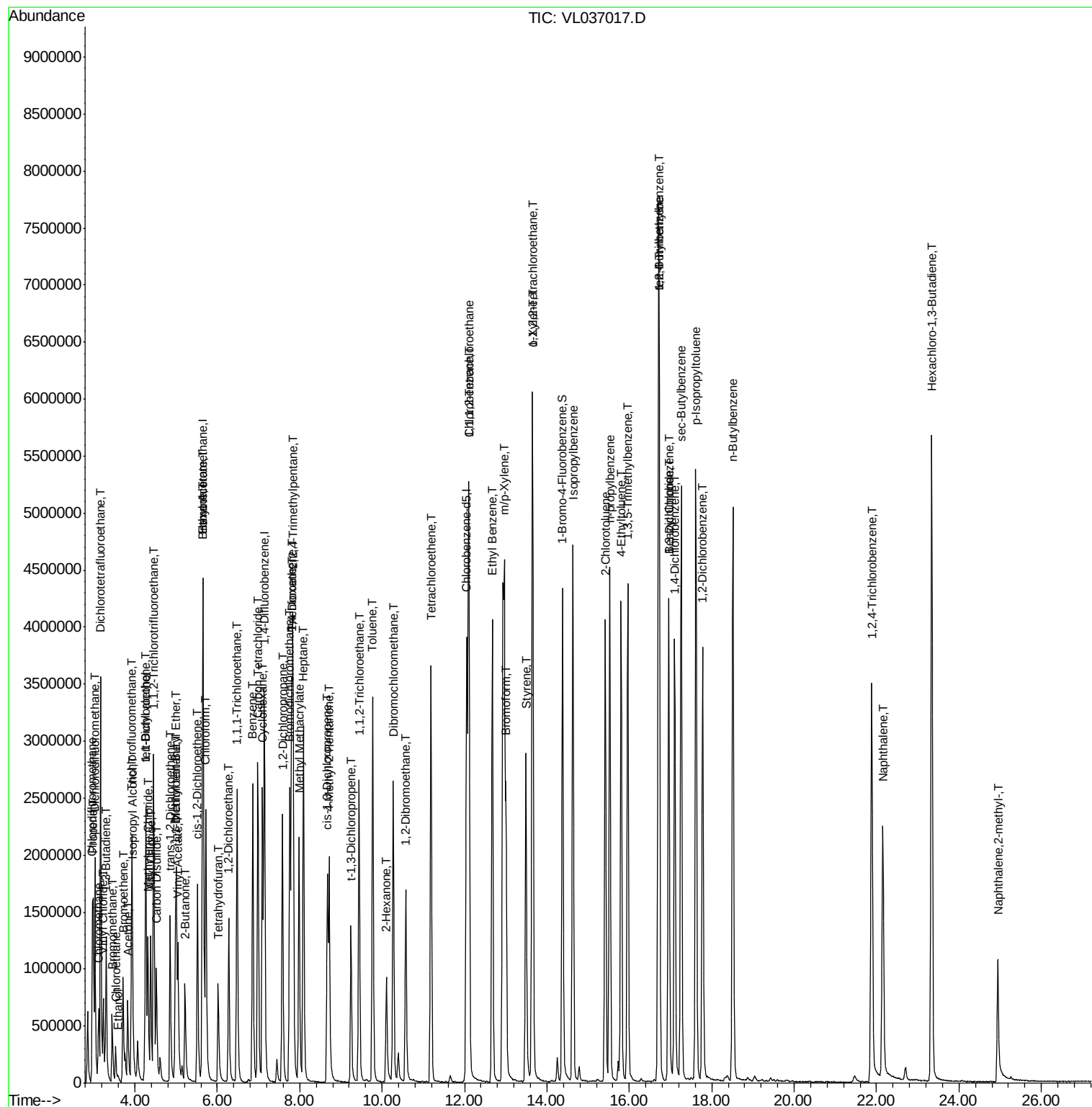
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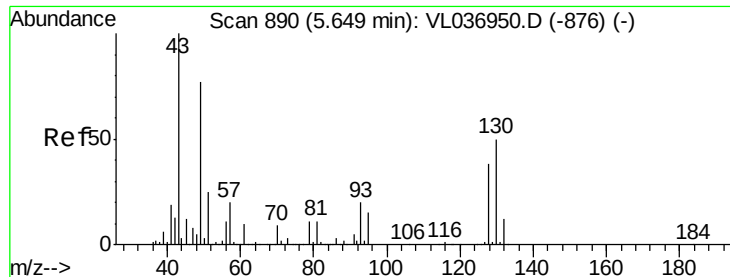
Instrument :
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ClientSampleId :
VSTDCCC010EC

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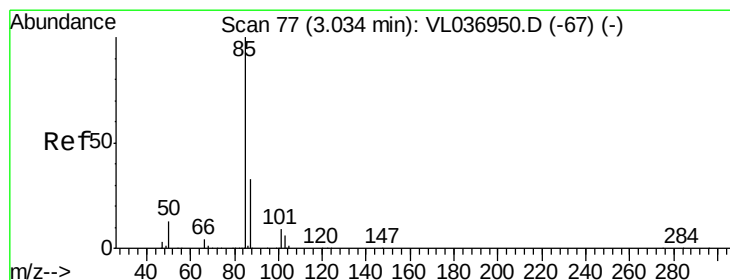
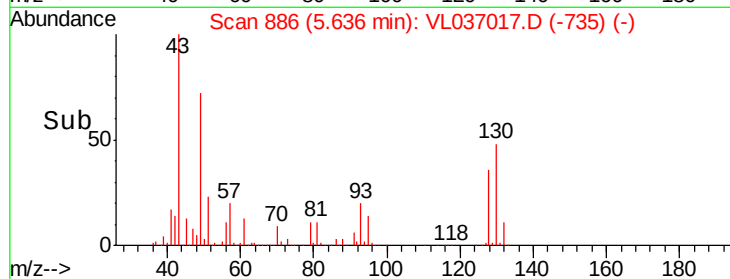
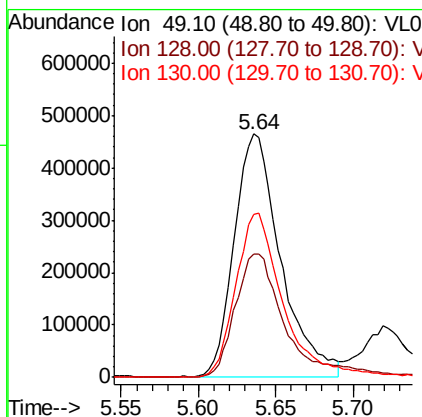
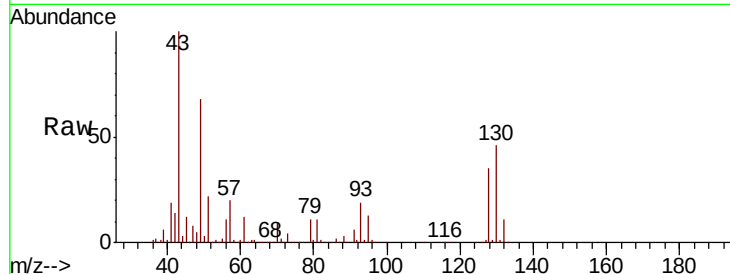
#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.64 min Scan# 886
 Delta R.T. -0.01 min
 Lab File: VL037017.D
 Acq: 20 May 2021 7:31

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	49	Resp	967994
Ion	Ratio	Lower	Upper
49	100		
128	56.4	26.9	80.7
130	70.2	33.8	101.4

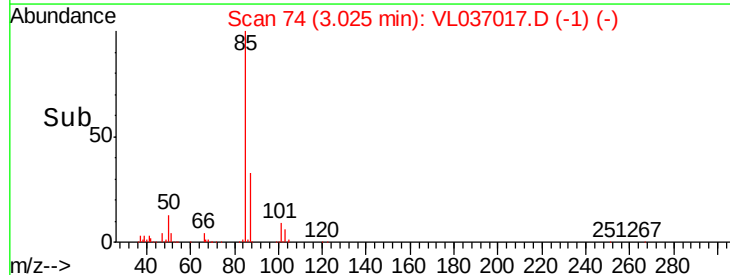
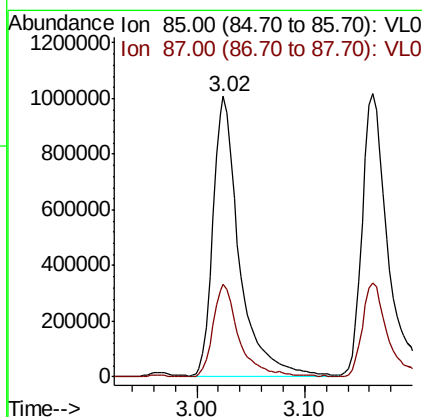
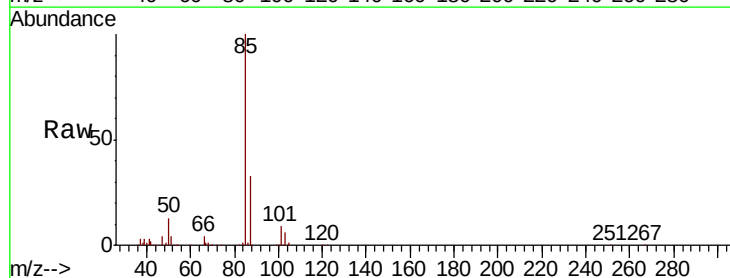
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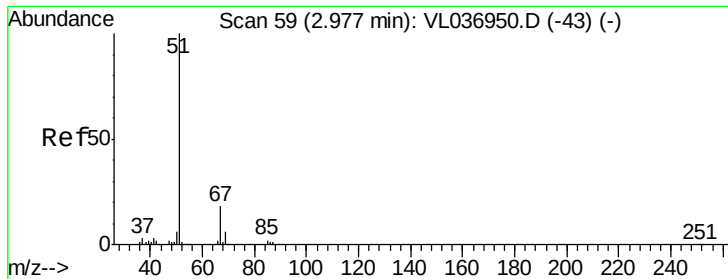
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#2
 Dichlorodifluoromethane
 Concen: 10.390 ppbv
 RT: 3.02 min Scan# 74
 Delta R.T. -0.01 min
 Lab File: VL037017.D
 Acq: 20 May 2021 7:31

Tgt Ion	85	Resp	1706197
Ion	Ratio	Lower	Upper
85	100		
87	32.9	26.6	39.8





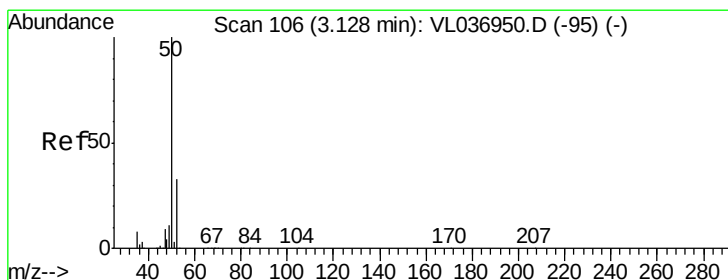
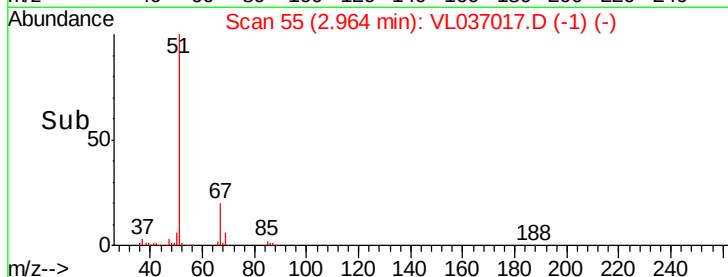
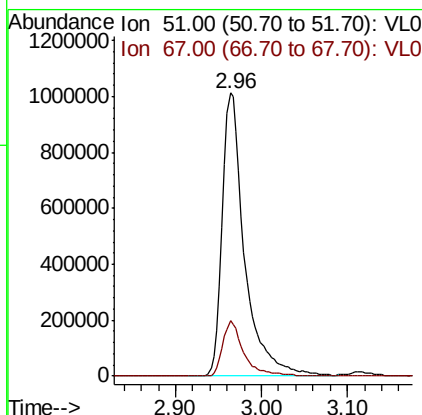
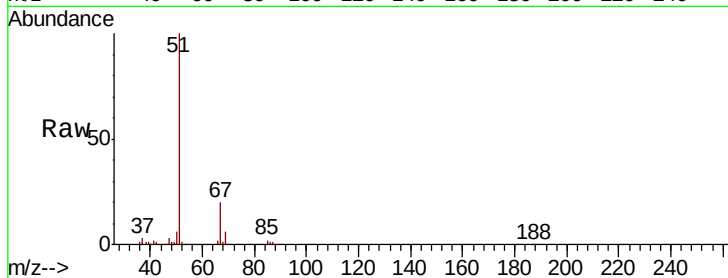
#3
Chlorodifluoromethane
Concen: 10.363 ppbv
RT: 2.96 min Scan# 55
Delta R.T. -0.01 min
Lab File: VL037017.D
Acq: 20 May 2021 7:31

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Tot Ion: 51 Resp: 1837678
Ion Ratio Lower Upper
51 100
67 18.8 14.6 21.8

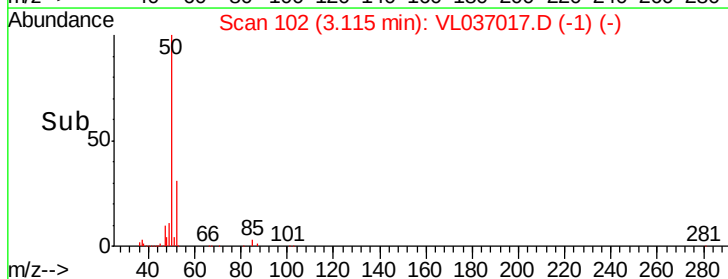
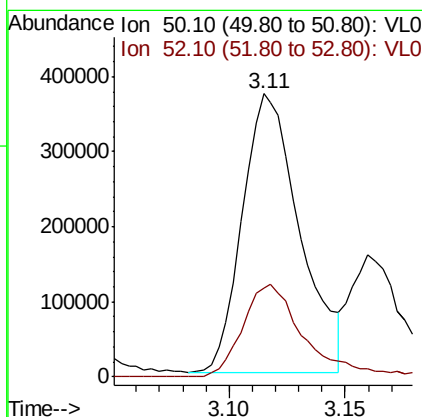
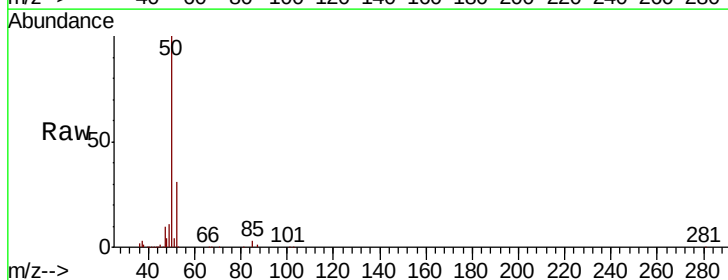
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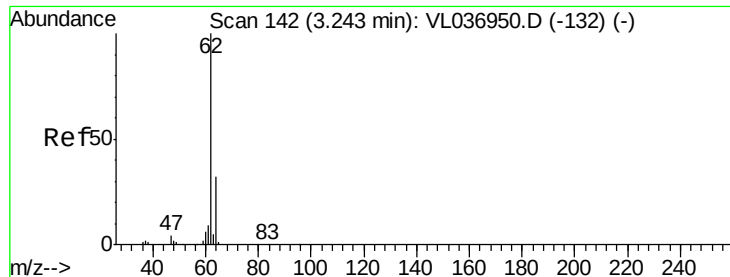
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#4
Chloromethane
Concen: 10.633 ppbv
RT: 3.11 min Scan# 102
Delta R.T. -0.01 min
Lab File: VL037017.D
Acq: 20 May 2021 7:31

Tgt Ion: 50 Resp: 641641
Ion Ratio Lower Upper
50 100
52 31.7 26.1 39.1





#5

Vinyl Chloride

Concen: 10.428 ppbv

RT: 3.23 min Scan# 139

Delta R.T. -0.01 min

Lab File: VL037017.D

Acq: 20 May 2021 7:31

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 62 Resp: 687867

Ion Ratio Lower Upper

62 100

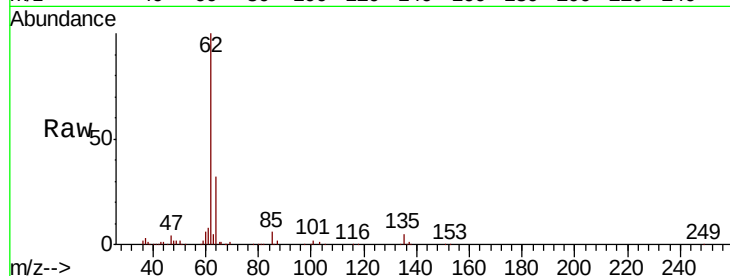
64 32.0 25.9 38.9

Manual Integrations

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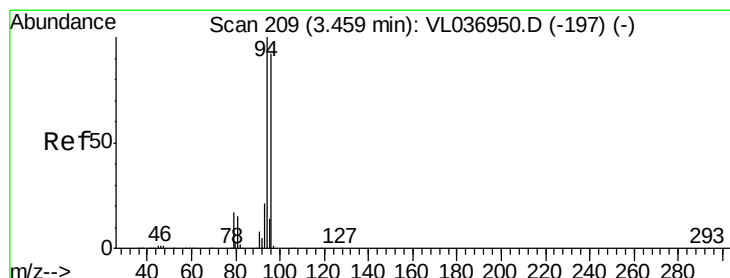
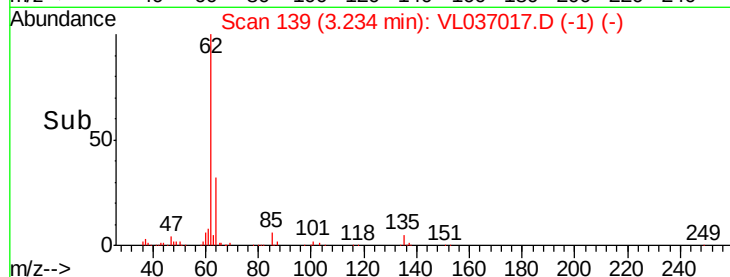
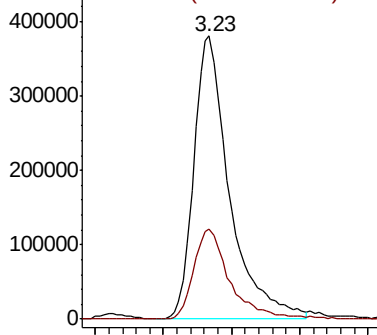
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Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 11.826 ppbv

RT: 3.45 min Scan# 206

Delta R.T. -0.01 min

Lab File: VL037017.D

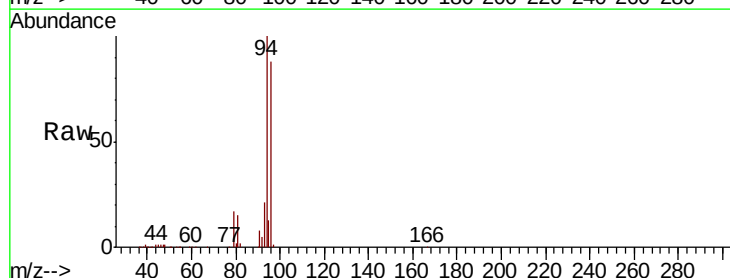
Acq: 20 May 2021 7:31

Tgt Ion: 94 Resp: 411041

Ion Ratio Lower Upper

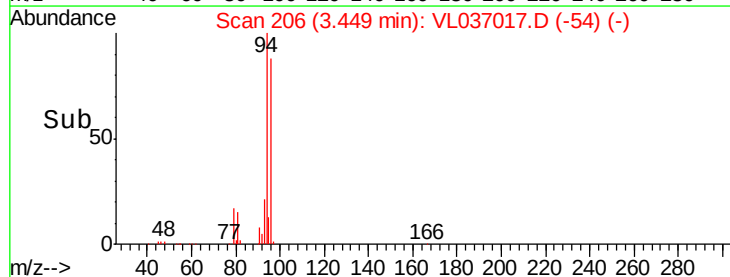
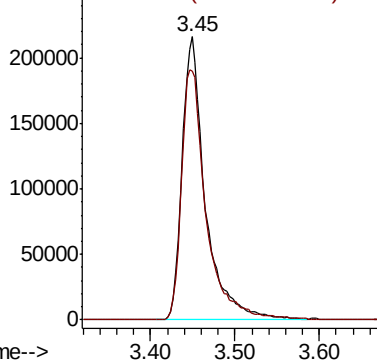
94 100

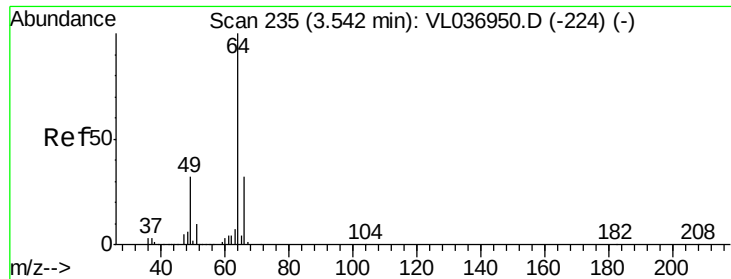
96 88.0 74.0 111.0



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 11.642 ppbv

RT: 3.53 min Scan# 232

Delta R.T. -0.01 min

Lab File: VL037017.D

Acq: 20 May 2021 7:31

Instrument :

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ClientSampleId :

VSTDCCC010EC

Tot Ion: 64 Resp: 249352

Ion Ratio Lower Upper

64 100

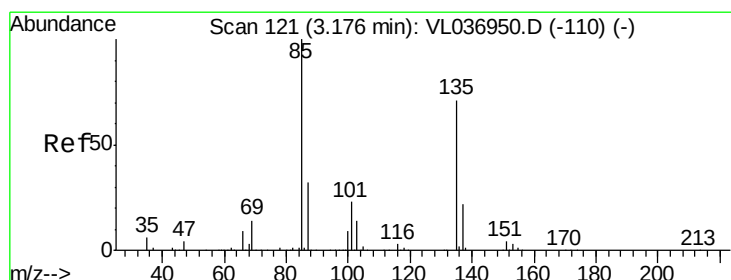
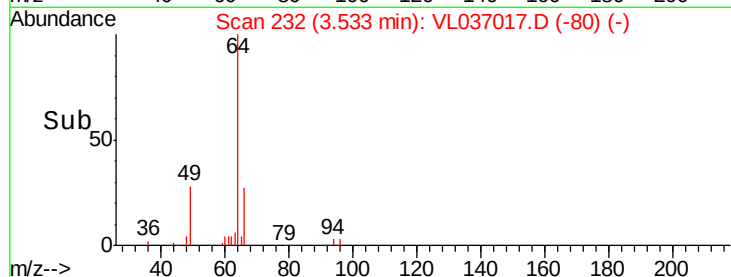
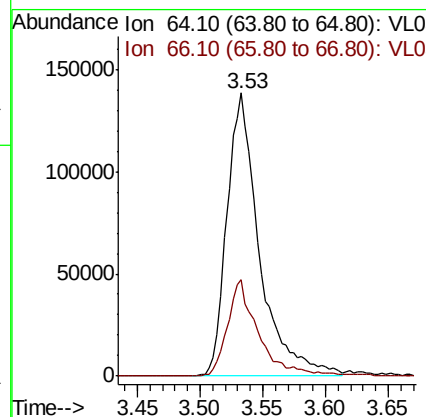
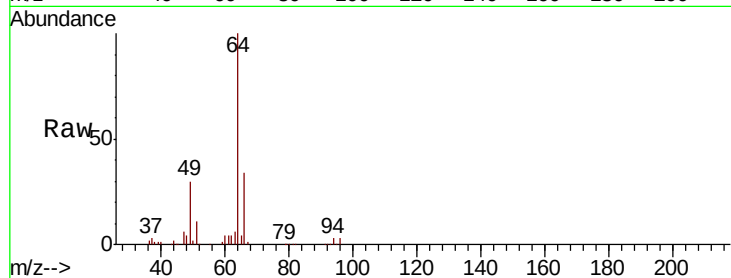
66 34.3 25.4 38.2

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#8

Dichlorotetrafluoroethane

Concen: 11.116 ppbv

RT: 3.16 min Scan# 117

Delta R.T. -0.01 min

Lab File: VL037017.D

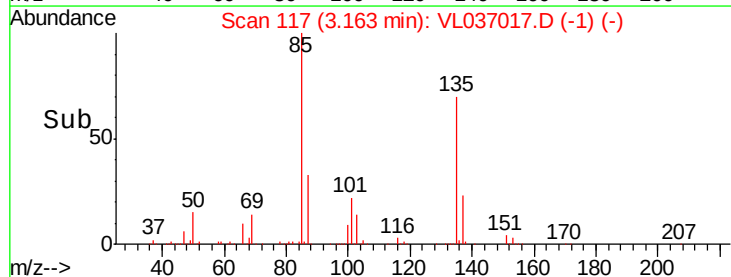
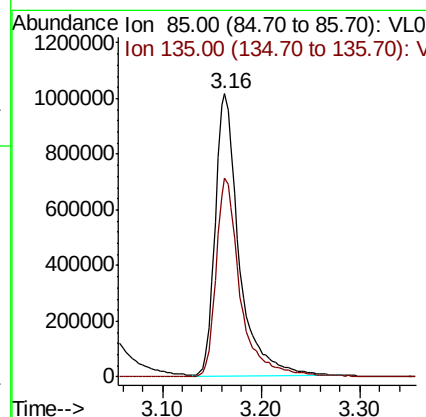
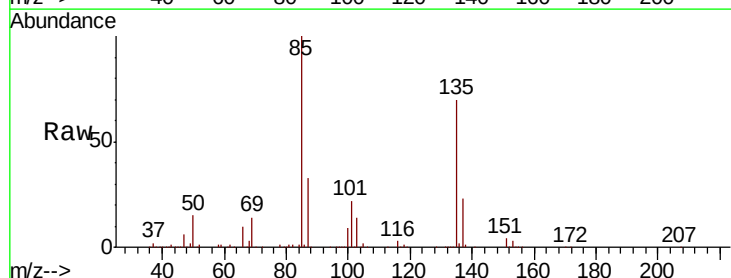
Acq: 20 May 2021 7:31

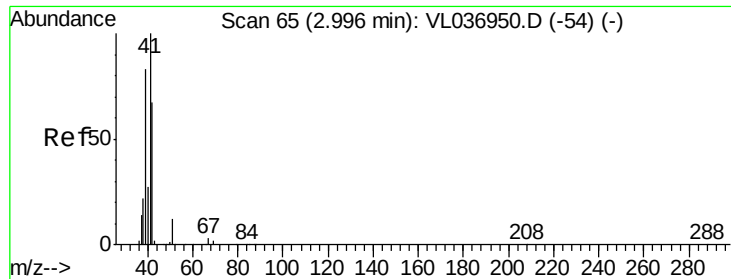
Tgt Ion: 85 Resp: 1713976

Ion Ratio Lower Upper

85 100

135 72.2 57.7 86.5





#9

Propene

Concen: 9.630 ppbv

RT: 2.98 min Scan# 61

Delta R.T. -0.01 min

Lab File: VL037017.D

Acq: 20 May 2021 7:31

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 41 Resp: 611519

Ion Ratio Lower Upper

41 100

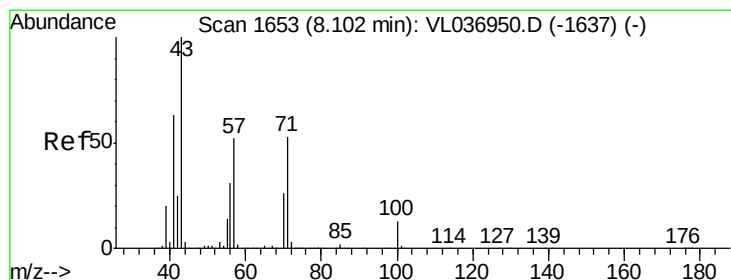
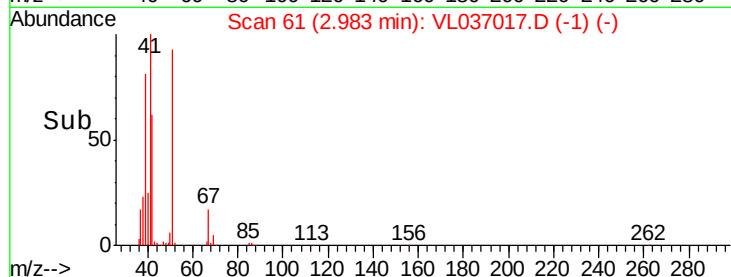
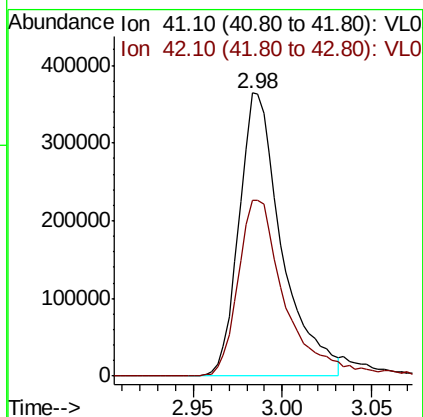
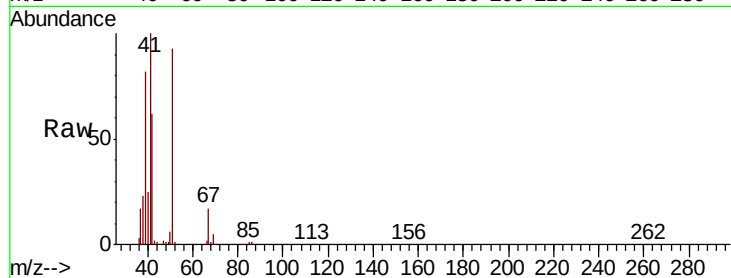
42 69.4 53.9 80.9

Manual Integrations

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#10

Heptane

Concen: 10.015 ppbv

RT: 8.09 min Scan# 1649

Delta R.T. -0.01 min

Lab File: VL037017.D

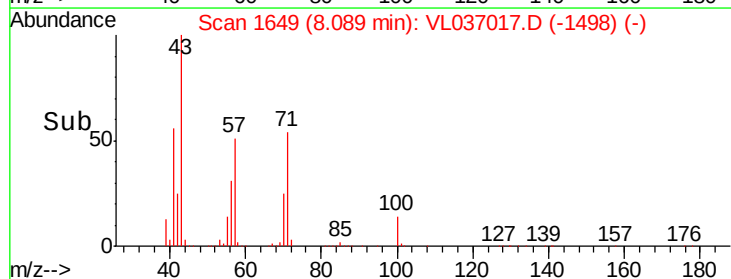
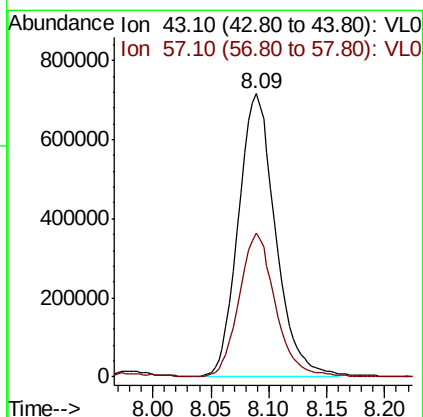
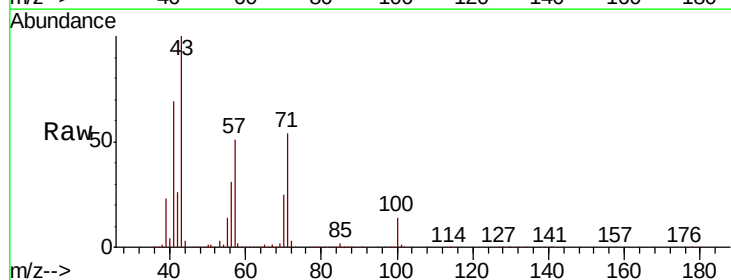
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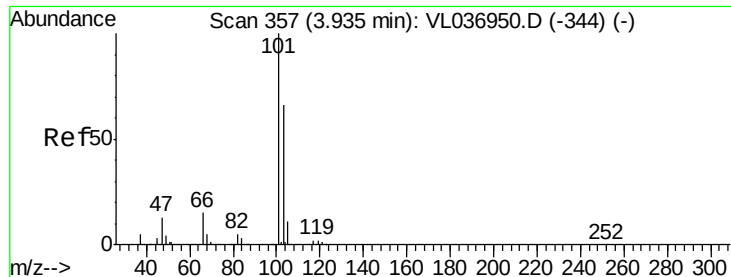
Tgt Ion: 43 Resp: 1584888

Ion Ratio Lower Upper

43 100

57 49.9 41.0 61.6





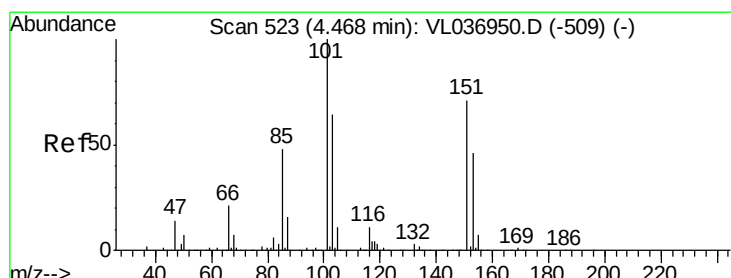
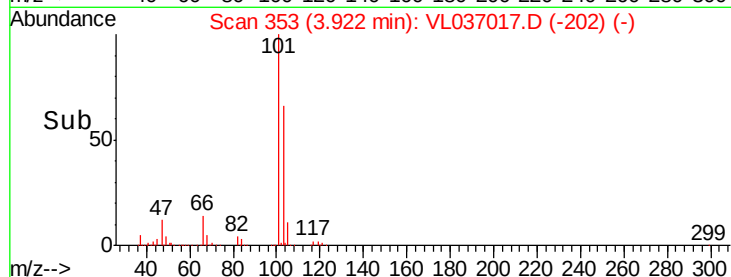
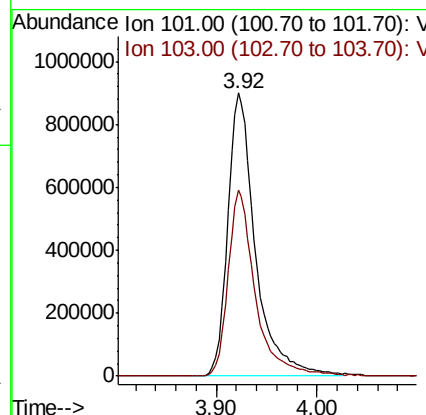
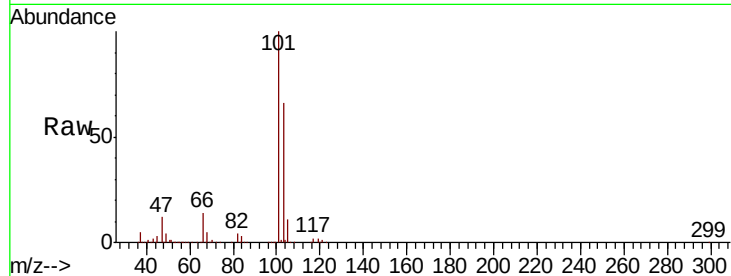
#11
 Trichlorofluoromethane
 Concen: 11.350 ppbv
 RT: 3.92 min Scan# 353
 Delta R.T. -0.01 min
 Lab File: VL037017.D
 Acq: 20 May 2021 7:31

Instrument :
 MSVOA_L
 ClientSampleID :
 VSTDCCC010EC

Tot Ion:101 Resp: 1725143
 Ion Ratio Lower Upper
 101 100
 103 65.8 52.6 79.0

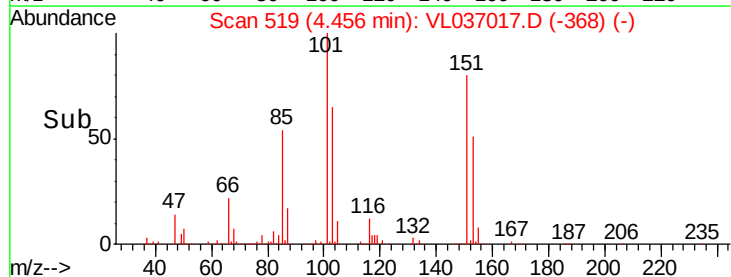
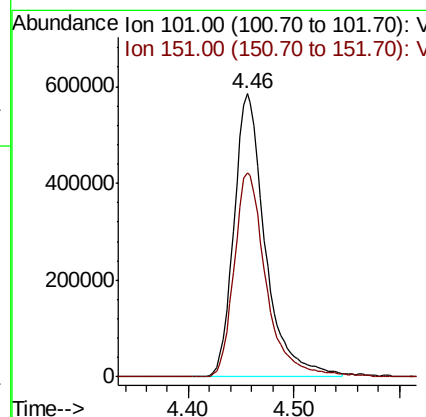
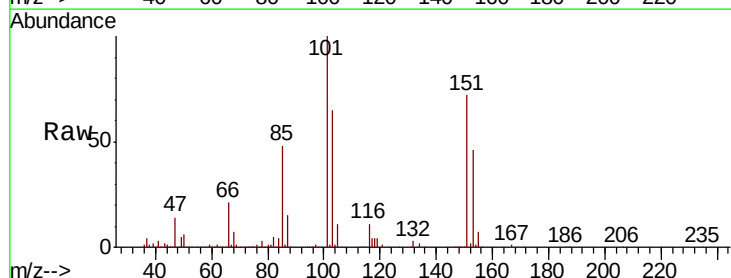
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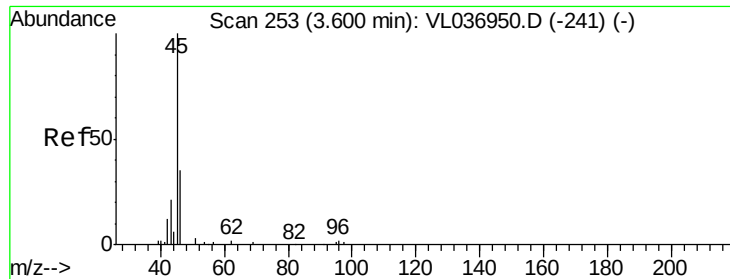
MMDadoda
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#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 11.113 ppbv
 RT: 4.46 min Scan# 519
 Delta R.T. -0.01 min
 Lab File: VL037017.D
 Acq: 20 May 2021 7:31

Tgt Ion:101 Resp: 1203160
 Ion Ratio Lower Upper
 101 100
 151 74.0 57.7 86.5





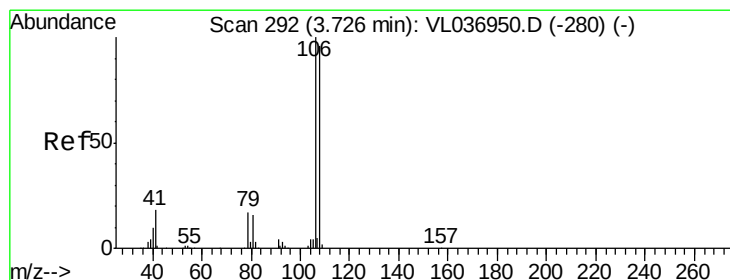
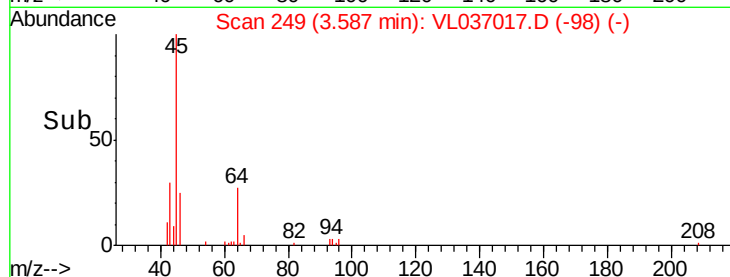
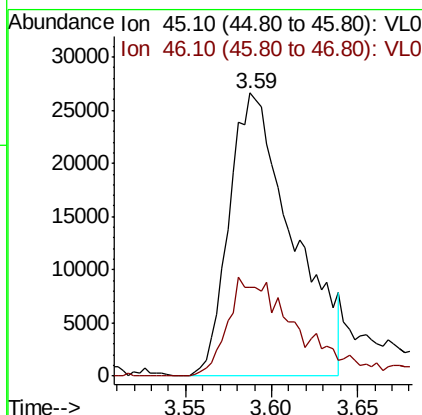
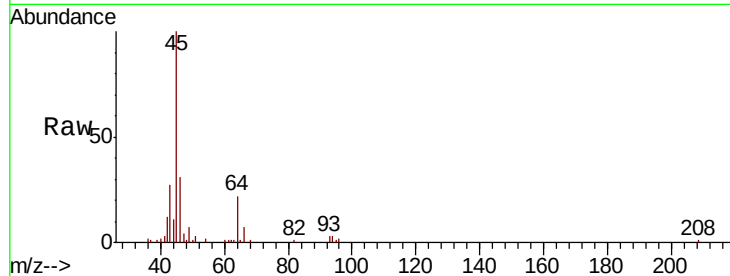
#13
Ethanol
Concen: 8.091 ppbv m
RT: 3.59 min Scan# 249
Delta R.T. -0.01 min
Lab File: VL037017.D
Acq: 20 May 2021 7:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	45	Resp	68553
Ion Ratio	100	Lower	Upper
46	40.7	16.3	65.3

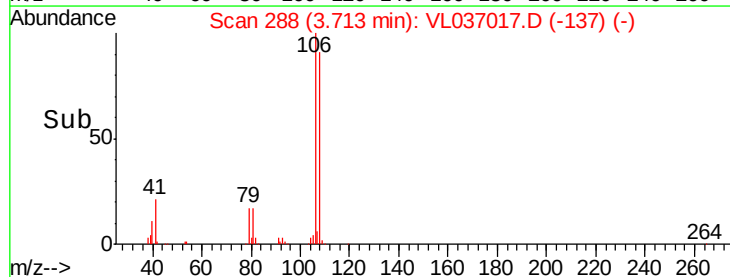
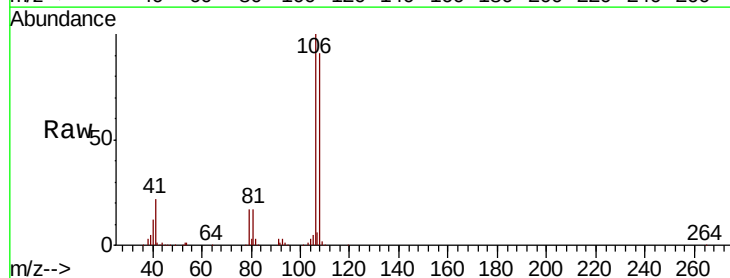
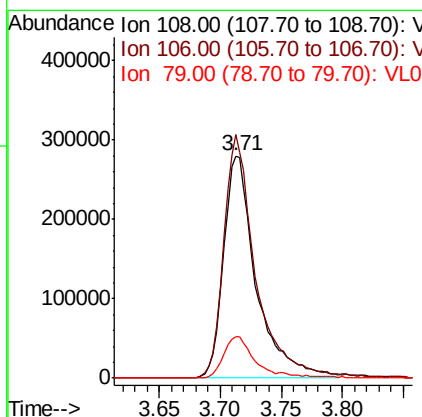
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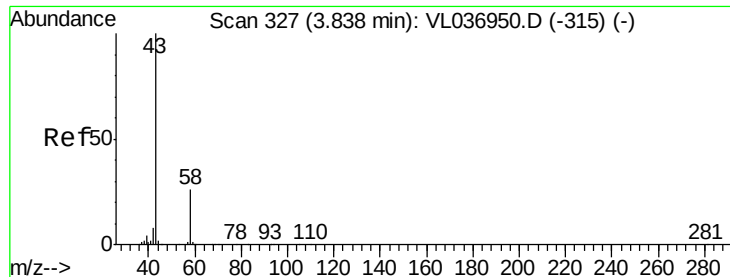
MMDadoda
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#14
Bromoethene
Concen: 11.040 ppbv
RT: 3.71 min Scan# 288
Delta R.T. -0.01 min
Lab File: VL037017.D
Acq: 20 May 2021 7:31

Tgt Ion	108	Resp	526501
Ion Ratio	100	Lower	Upper
106	108.0	86.5	129.7
79	19.1	15.0	22.4





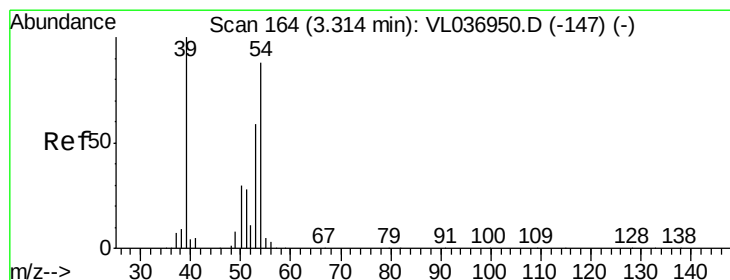
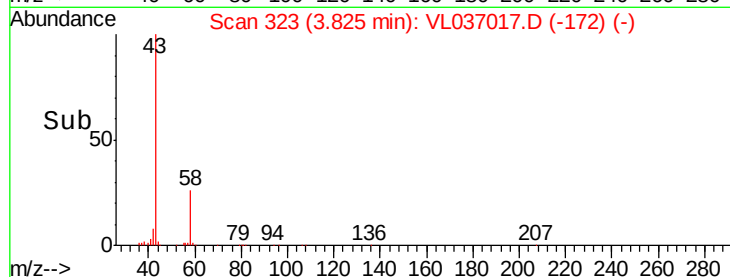
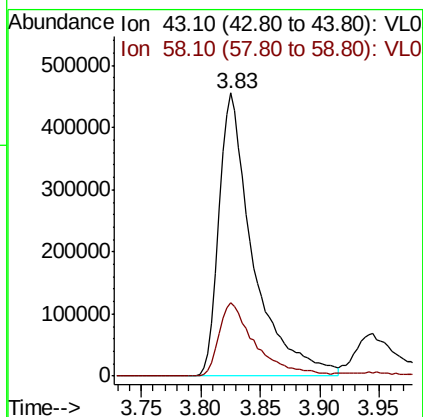
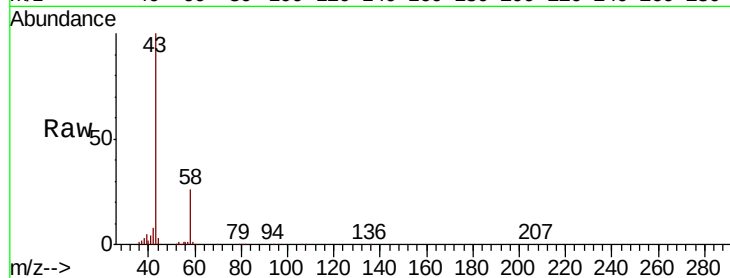
#15
Acetone
Concen: 9.145 ppbv
RT: 3.83 min Scan# 323
Delta R.T. -0.01 min
Lab File: VL037017.D
Acq: 20 May 2021 7:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	43	Resp	906670
Ion Ratio	43	100	
Lower	58	27.6	24.0
Upper			36.0

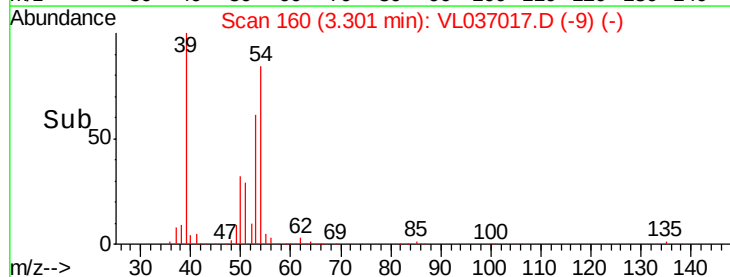
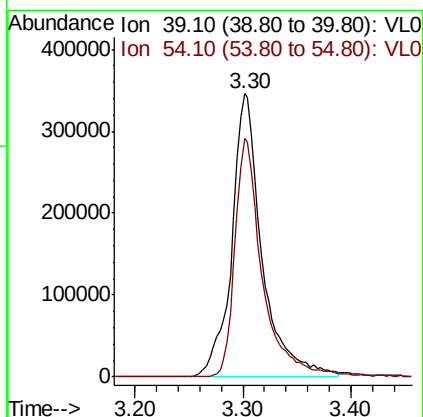
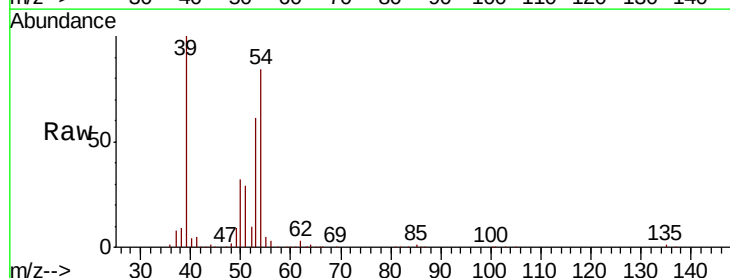
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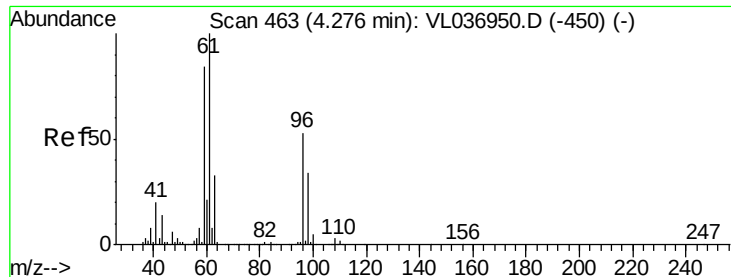
MMDadoda
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#16
1,3-Butadiene
Concen: 10.885 ppbv
RT: 3.30 min Scan# 160
Delta R.T. -0.01 min
Lab File: VL037017.D
Acq: 20 May 2021 7:31

Tgt Ion	39	Resp	670478
Ion Ratio	39	100	
Lower	54	77.6	63.2
Upper			94.8





#17

tert-Butyl alcohol

Concen: 10.568 ppbv

RT: 4.27 min Scan# 460

Delta R.T. -0.01 min

Lab File: VL037017.D

Acq: 20 May 2021 7:31

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 59 Resp: 959761

Ion Ratio Lower Upper

59 100

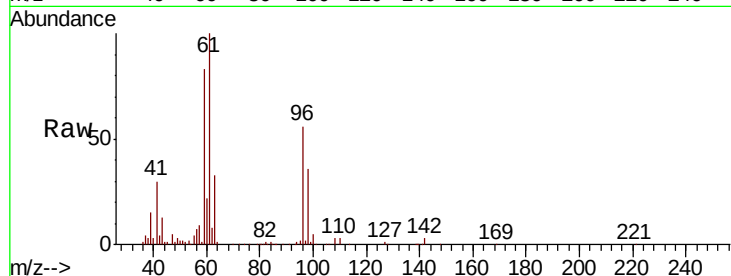
57 10.5 8.3 12.5

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Abundance Ion 59.10 (58.80 to 59.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

4.27

400000

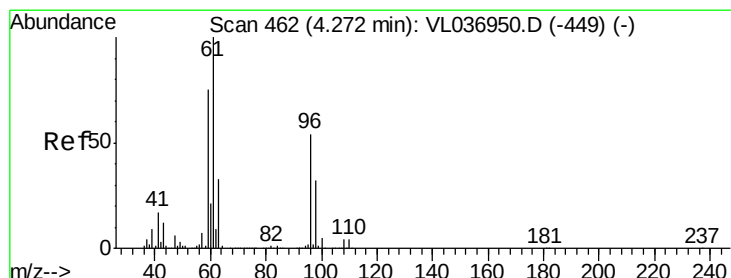
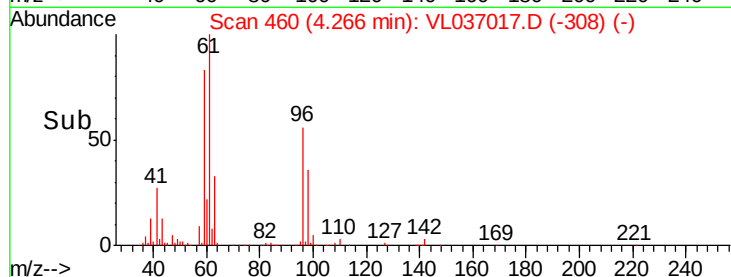
300000

200000

100000

0

Time-->



#18

1,1-Dichloroethene

Concen: 11.286 ppbv

RT: 4.26 min Scan# 458

Delta R.T. -0.01 min

Lab File: VL037017.D

Acq: 20 May 2021 7:31

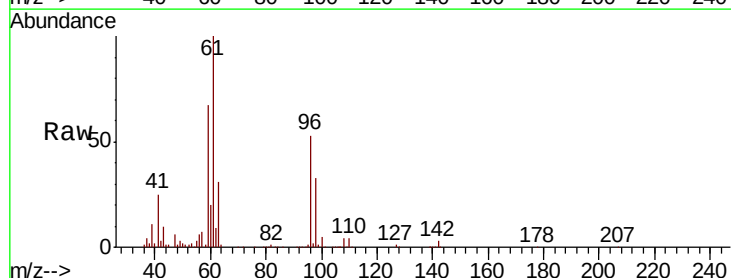
Tgt Ion: 96 Resp: 565015

Ion Ratio Lower Upper

96 100

61 190.4 148.2 222.4

98 62.2 47.8 71.6



Abundance Ion 96.00 (95.70 to 96.70): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

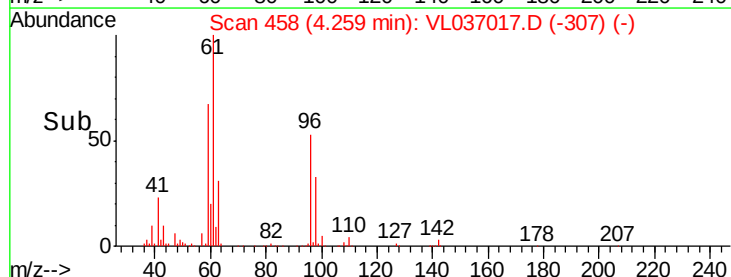
600000

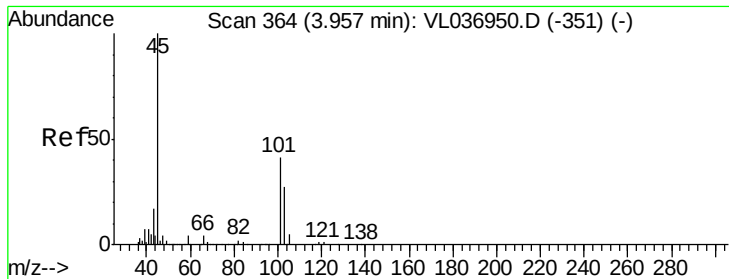
400000

200000

0

Time-->





#19

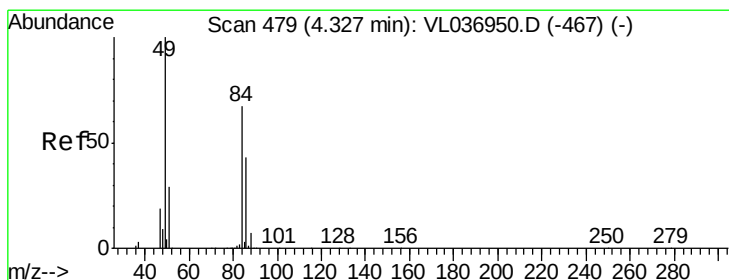
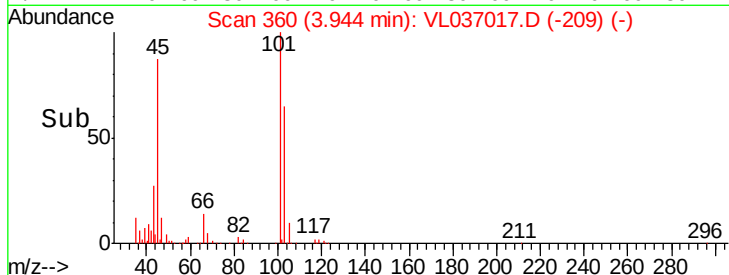
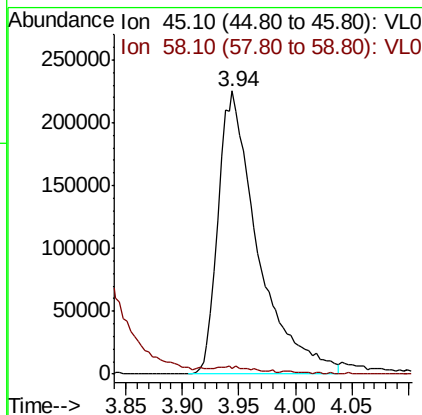
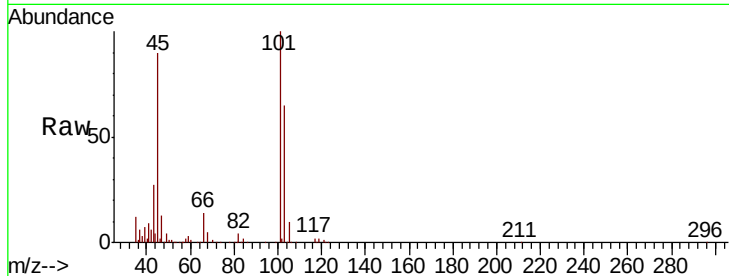
Isopropyl Alcohol
 Concen: 10.289 ppbv
 RT: 3.94 min Scan# 360
 Delta R.T. -0.01 min
 Lab File: VL037017.D
 Acq: 20 May 2021 7:31

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
45	100		
58	2.9	37.2	55.8#

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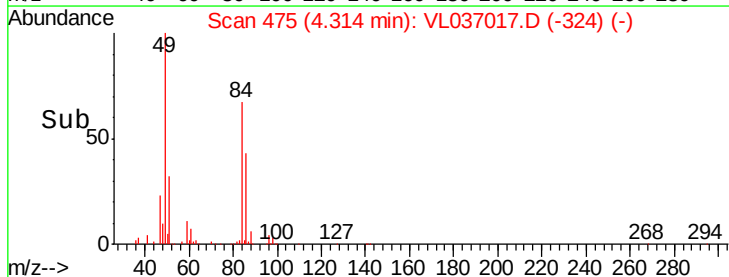
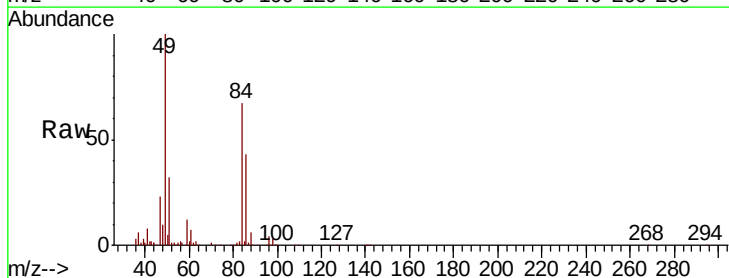
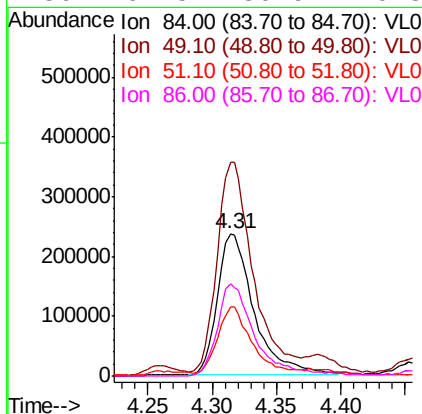
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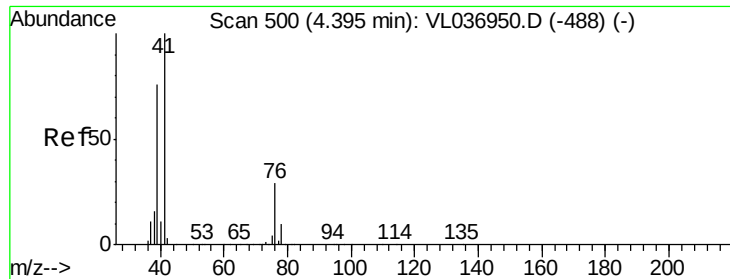


#20

Methylene Chloride
 Concen: 8.859 ppbv
 RT: 4.31 min Scan# 475
 Delta R.T. -0.01 min
 Lab File: VL037017.D
 Acq: 20 May 2021 7:31

Tgt Ion	Ratio	Lower	Upper
84	100		
49	147.3	119.8	179.6
51	46.2	35.1	52.7
86	64.5	50.9	76.3





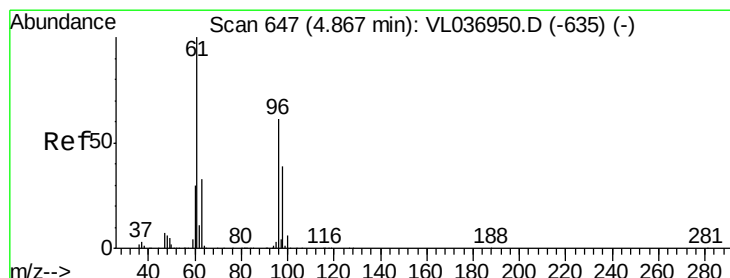
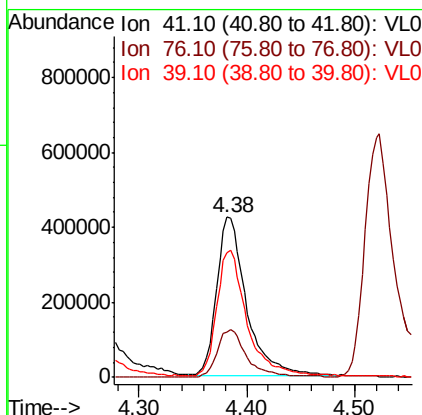
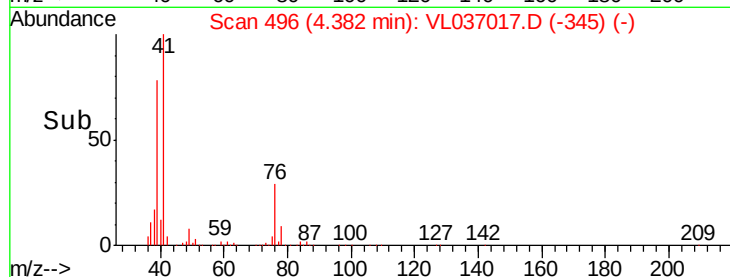
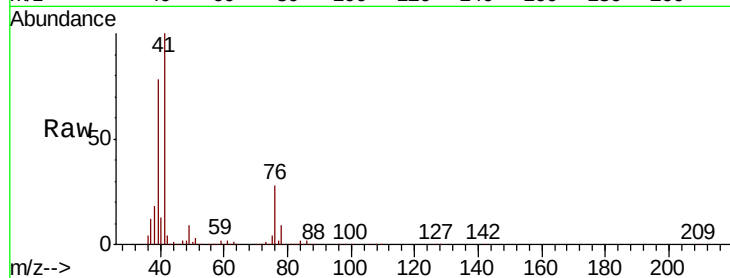
#21
Allvl Chloride
Concen: 10.930 ppbv
RT: 4.38 min Scan# 496
Delta R.T. -0.01 min
Lab File: VL037017.D
Acq: 20 May 2021 7:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
41	100		
76	30.3	24.9	37.3
39	80.1	63.7	95.5

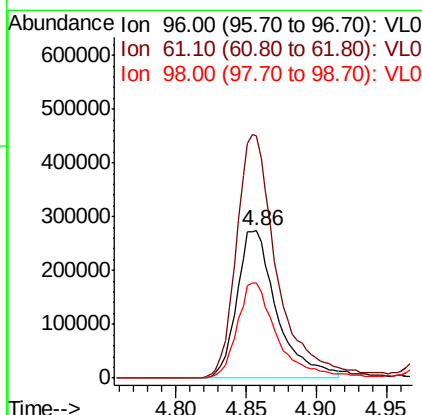
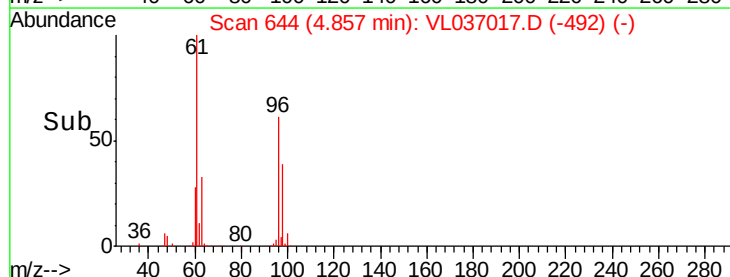
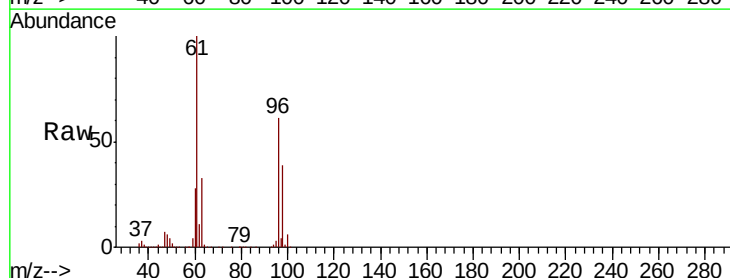
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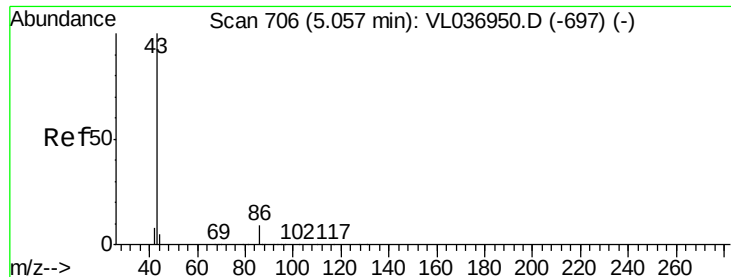
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#22
trans-1,2-Dichloroethene
Concen: 11.331 ppbv
RT: 4.86 min Scan# 644
Delta R.T. -0.01 min
Lab File: VL037017.D
Acq: 20 May 2021 7:31

Tgt Ion	Ratio	Lower	Upper
96	100		
61	165.0	130.6	196.0
98	64.6	50.8	76.2





#23

Vinyl Acetate

Concen: 9.971 ppbv

RT: 5.04 min Scan# 702

Delta R.T. -0.01 min

Lab File: VL037017.D

Acq: 20 May 2021 7:31

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 43 Resp: 1569082

Ion Ratio Lower Upper

43 100

86 7.3 5.8 8.8

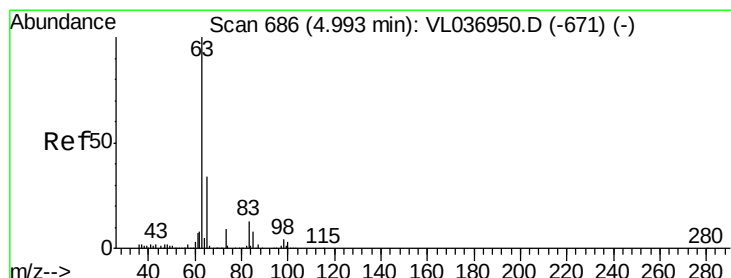
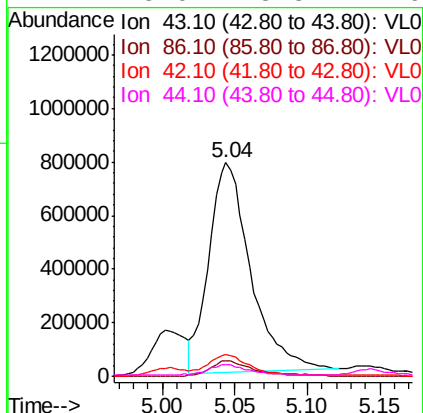
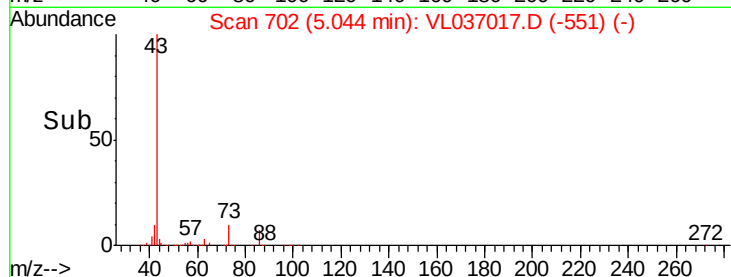
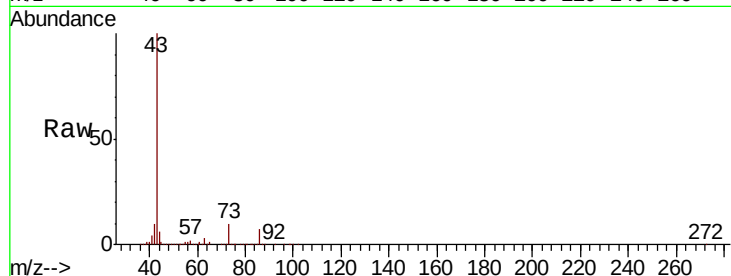
42 10.0 7.4 11.2

44 5.0 3.3 4.9#

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#24

1,1-Dichloroethane

Concen: 10.424 ppbv

RT: 4.98 min Scan# 683

Delta R.T. -0.01 min

Lab File: VL037017.D

Acq: 20 May 2021 7:31

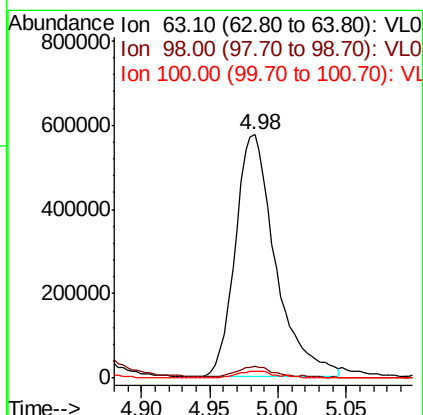
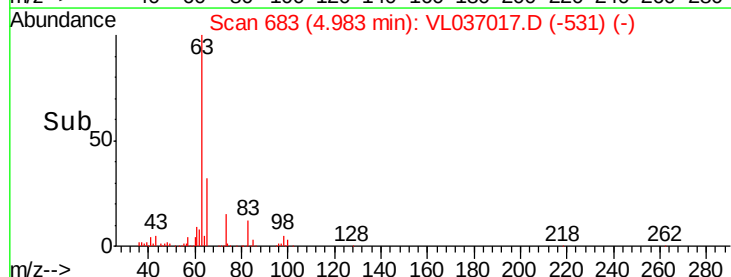
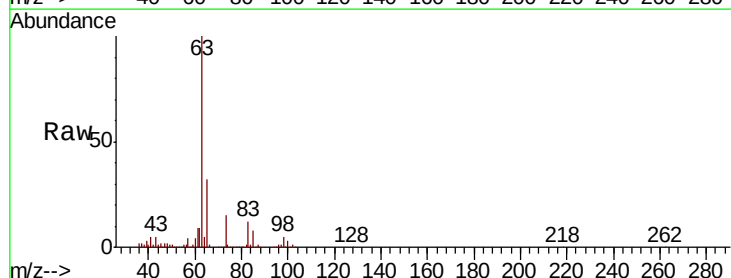
Tgt Ion: 63 Resp: 1180775

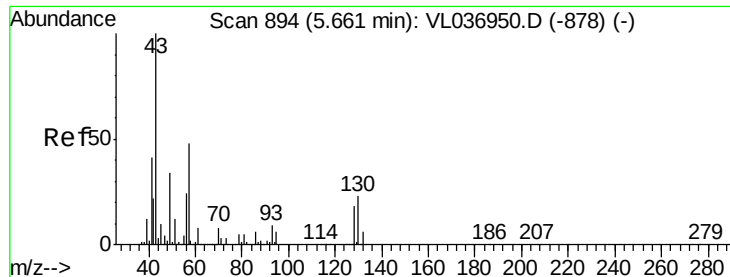
Ion Ratio Lower Upper

63 100

98 4.4 2.3 6.9

100 2.8 1.4 4.0





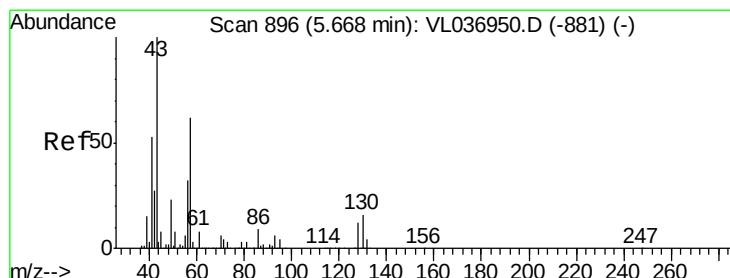
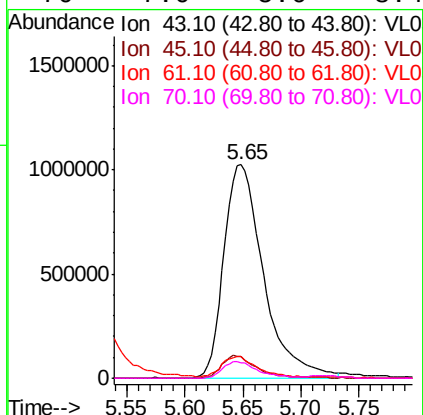
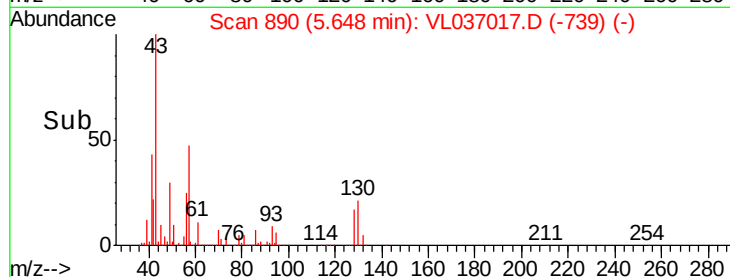
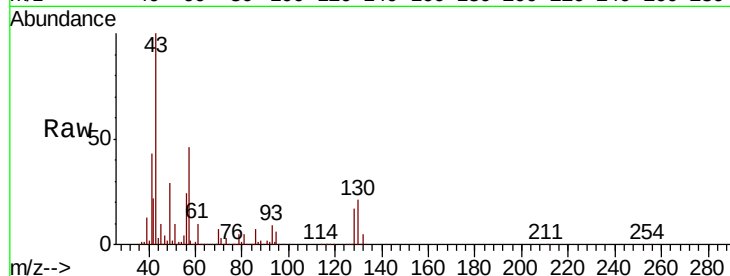
#25
Ethyl Acetate
Concen: 10.169 ppbv
RT: 5.65 min Scan# 890
Delta R.T. -0.01 min
Lab File: VL037017.D
Acq: 20 May 2021 7:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ion	Ratio	Lower	Upper
43	43	100		
45	45	9.8	7.8	11.8
61	61	9.9	7.8	11.8
70	70	7.0	5.6	8.4

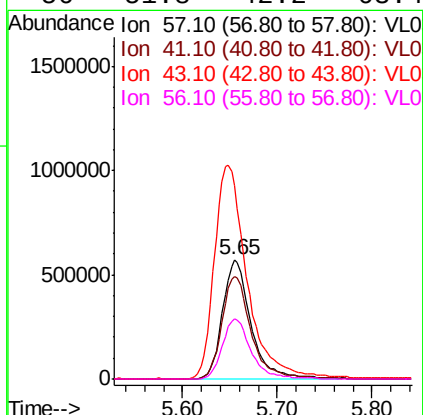
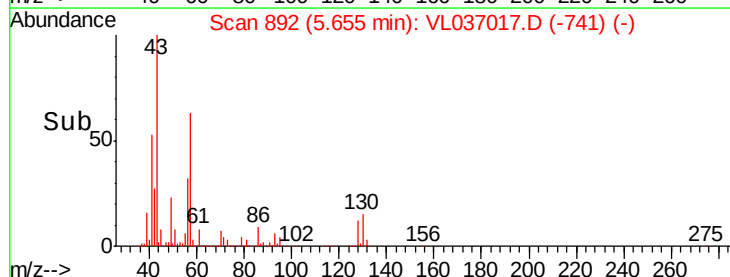
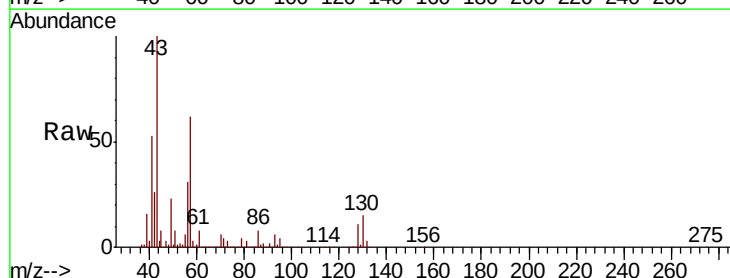
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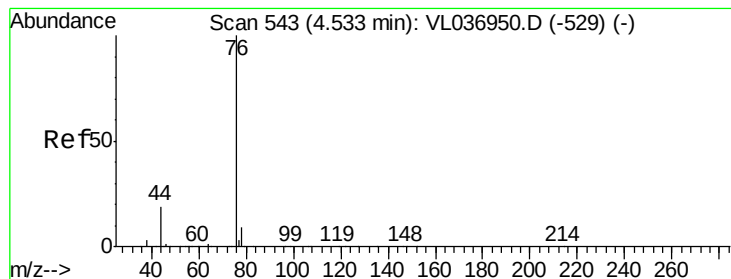
MMDadoda
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#26
Hexane
Concen: 9.783 ppbv
RT: 5.65 min Scan# 892
Delta R.T. -0.01 min
Lab File: VL037017.D
Acq: 20 May 2021 7:31

Tgt Ion	Ion	Ratio	Lower	Upper
57	57	100		
41	41	89.4	70.5	105.7
43	43	209.3	165.8	248.8
56	56	51.8	42.2	63.4





#27

Carbon Disulfide

Concen: 10.227 ppbv

RT: 4.52 min Scan# 540

Delta R.T. -0.01 min

Lab File: VL037017.D

Acq: 20 May 2021 7:31

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 76 Resp: 1254484

Ion Ratio Lower Upper

76 100

44 19.3 15.5 23.3

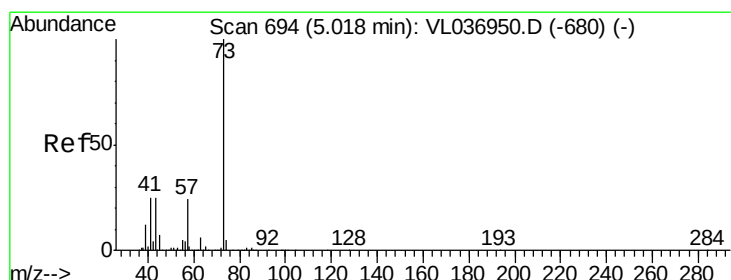
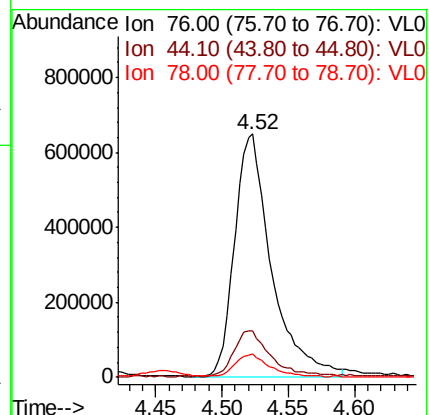
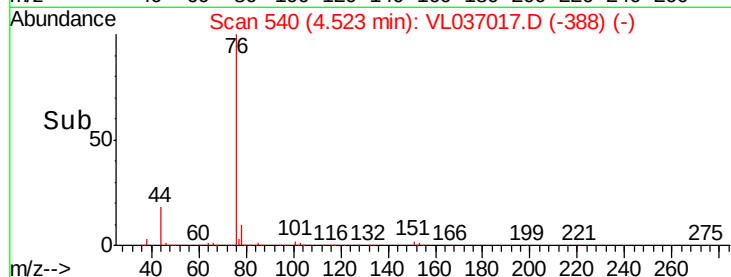
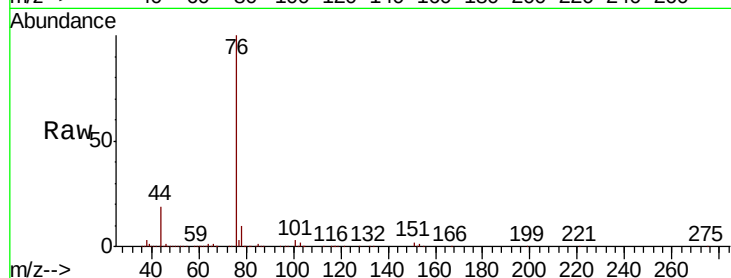
78 9.8 7.8 11.6

Manual Integrations

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#28

Methyl tert-Butyl Ether

Concen: 9.551 ppbv

RT: 5.01 min Scan# 690

Delta R.T. -0.01 min

Lab File: VL037017.D

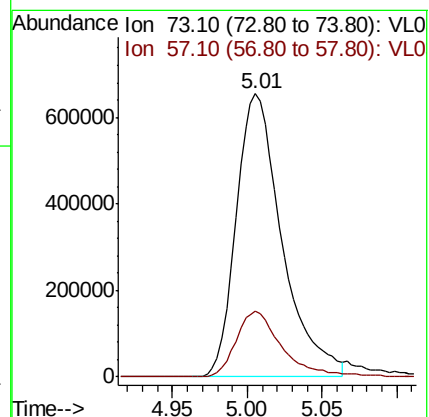
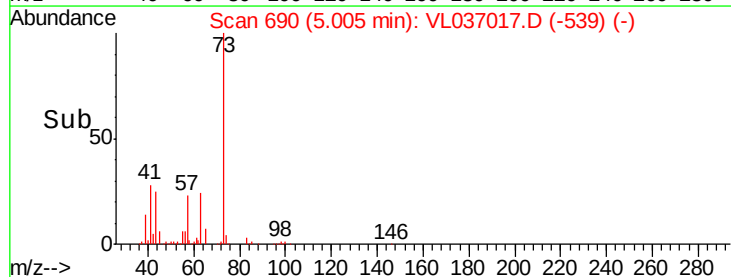
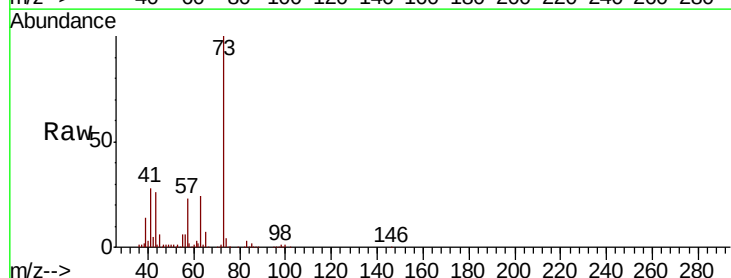
Acq: 20 May 2021 7:31

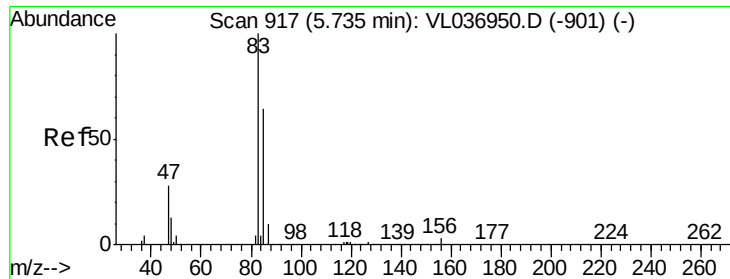
Tgt Ion: 73 Resp: 1393384

Ion Ratio Lower Upper

73 100

57 23.5 18.3 27.5





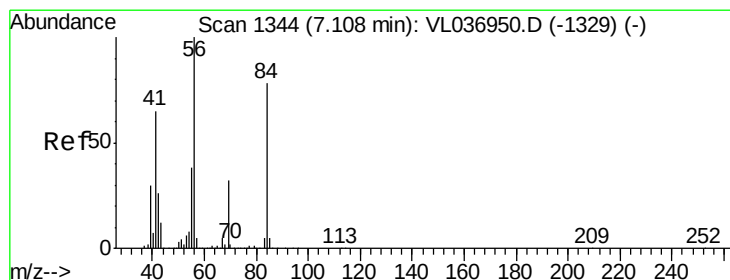
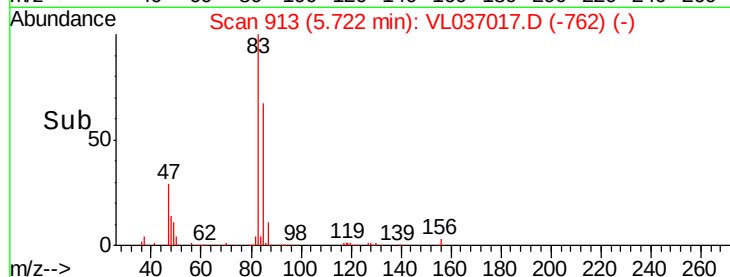
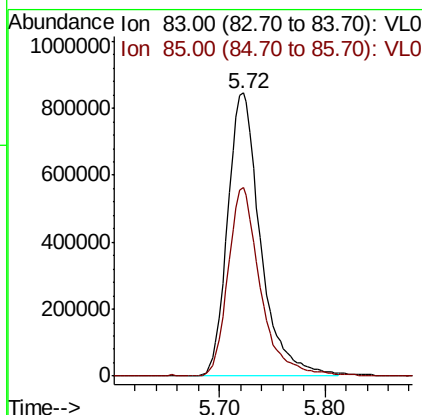
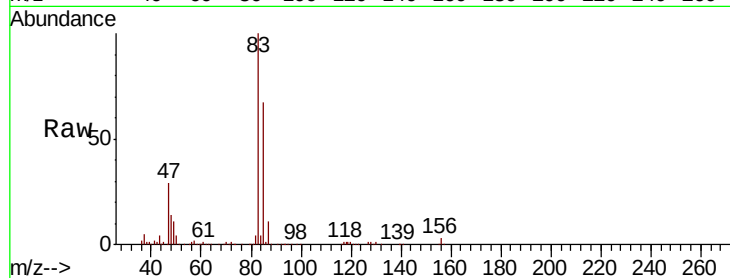
#29
Chloroform
Concen: 10.627 ppbv
RT: 5.72 min Scan# 913
Delta R.T. -0.01 min
Lab File: VL037017.D
Acq: 20 May 2021 7:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 83 Resp: 1827306
Ion Ratio Lower Upper
83 100
85 66.7 51.1 76.7

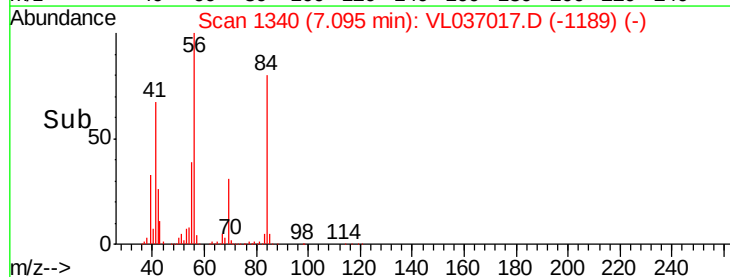
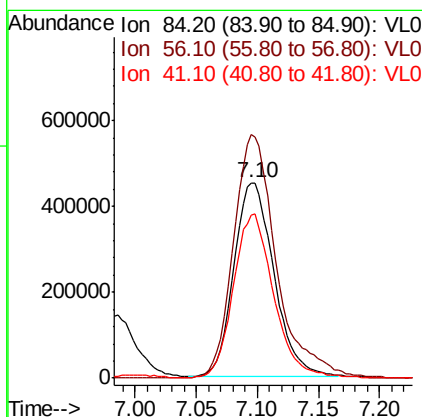
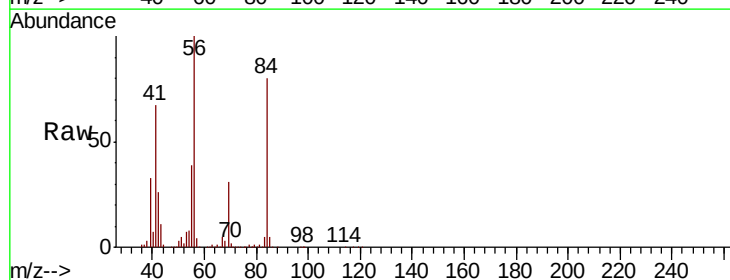
Manual Integrations
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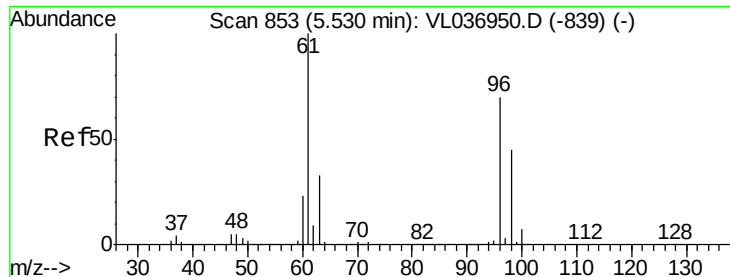
MMDadoda
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#30
Cyclohexane
Concen: 9.988 ppbv
RT: 7.10 min Scan# 1340
Delta R.T. -0.01 min
Lab File: VL037017.D
Acq: 20 May 2021 7:31

Tgt Ion: 84 Resp: 1033048
Ion Ratio Lower Upper
84 100
56 135.0 107.9 161.9
41 85.2 65.5 98.3





#31

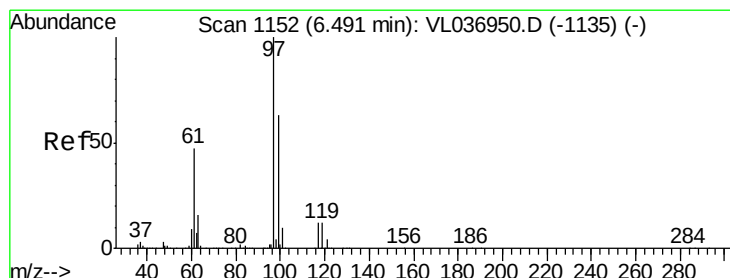
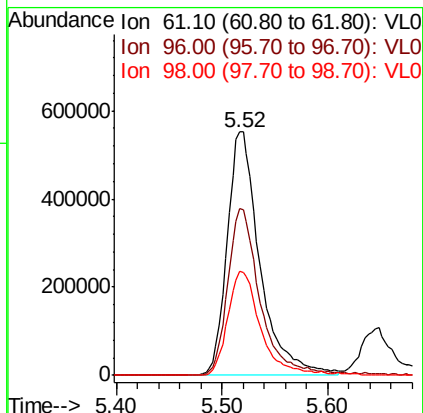
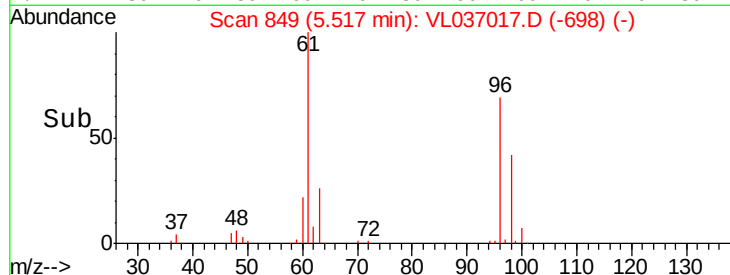
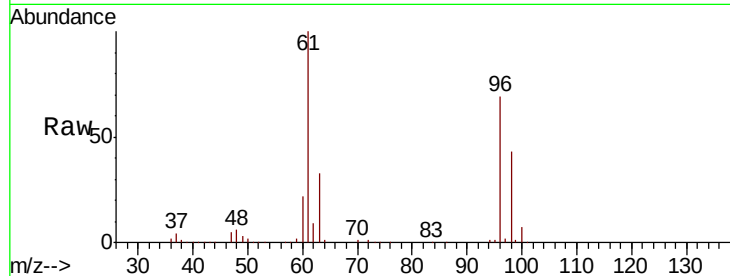
cis-1,2-Dichloroethene
Concen: 10.890 ppbv
RT: 5.52 min Scan# 849
Delta R.T. -0.01 min
Lab File: VL037017.D
Acq: 20 May 2021 7:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
61	100		
96	68.5	55.9	83.9
98	42.6	35.6	53.4

Manual Integrations
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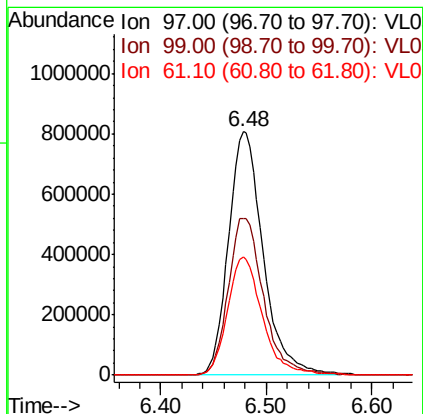
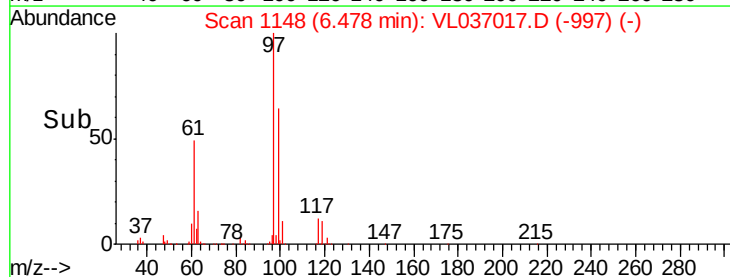
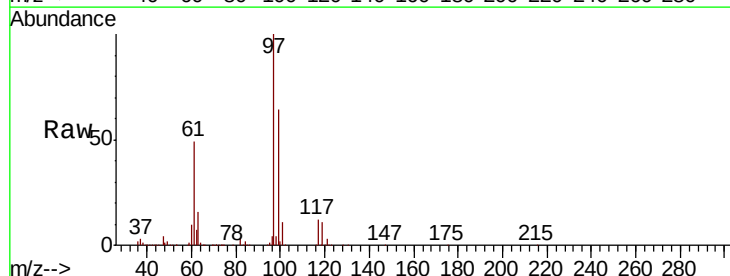
MMDadoda
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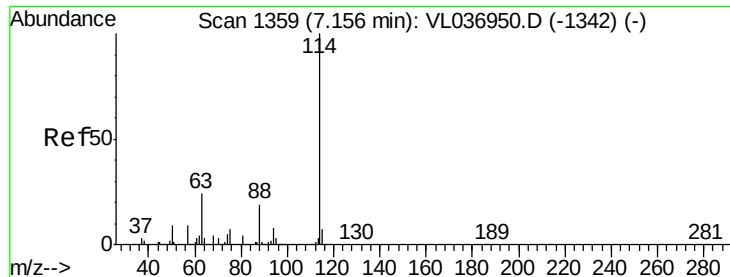


#32

1,1,1-Trichloroethane
Concen: 9.967 ppbv
RT: 6.48 min Scan# 1148
Delta R.T. -0.01 min
Lab File: VL037017.D
Acq: 20 May 2021 7:31

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.7	51.9	77.9
61	49.1	37.6	56.4





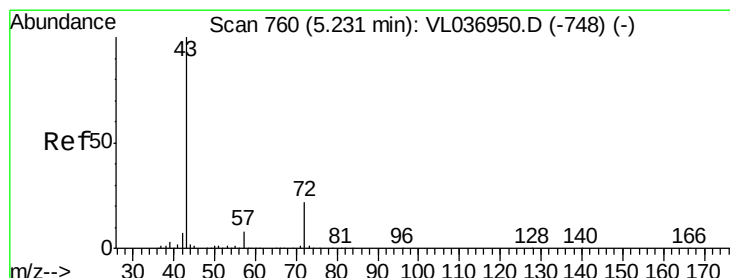
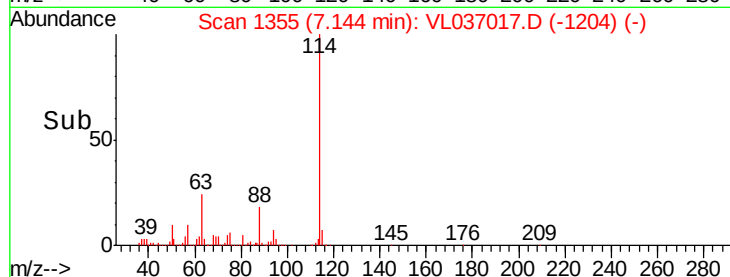
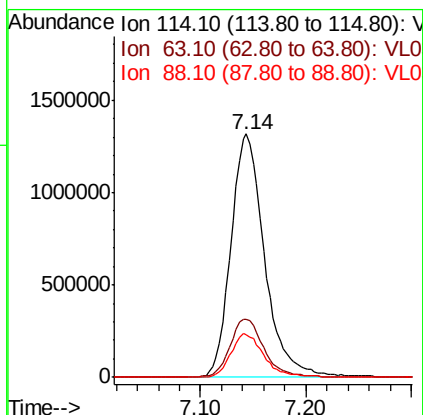
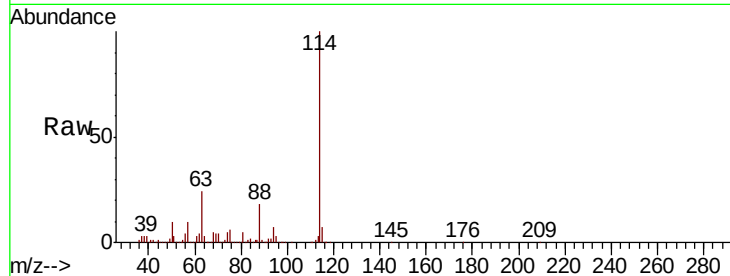
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.14 min Scan# 1355
 Delta R.T. -0.01 min
 Lab File: VL037017.D
 Acq: 20 May 2021 7:31

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
114	100		
63	24.6	19.6	29.4
88	17.8	14.6	21.8

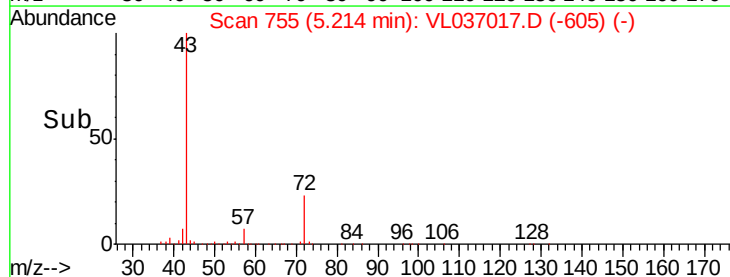
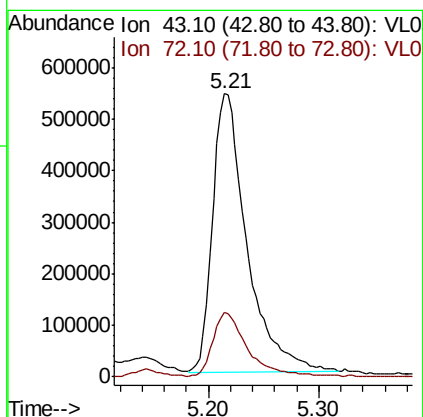
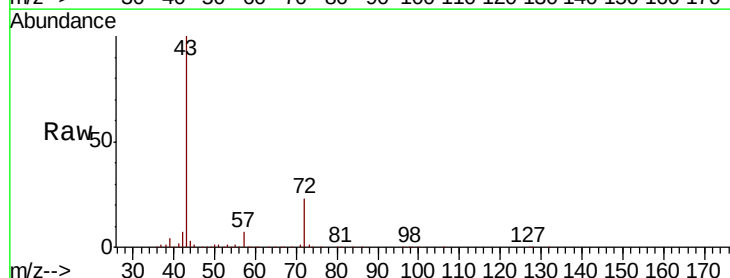
Manual Integrations
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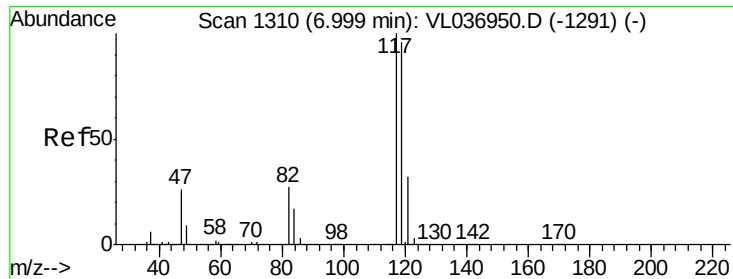
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#34
 2-Butanone
 Concen: 11.035 ppbv
 RT: 5.21 min Scan# 755
 Delta R.T. -0.02 min
 Lab File: VL037017.D
 Acq: 20 May 2021 7:31

Tgt Ion	Ratio	Lower	Upper
43	100		
72	23.5	19.0	28.4





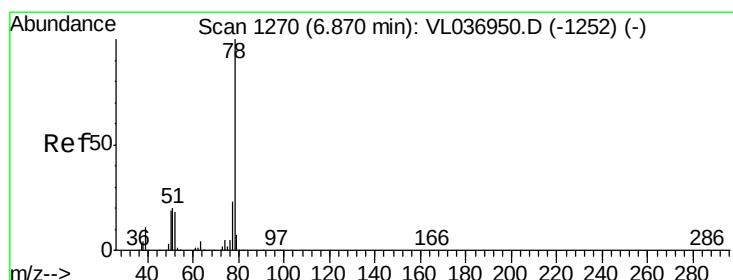
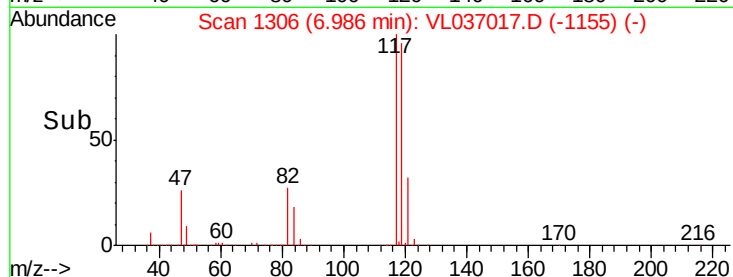
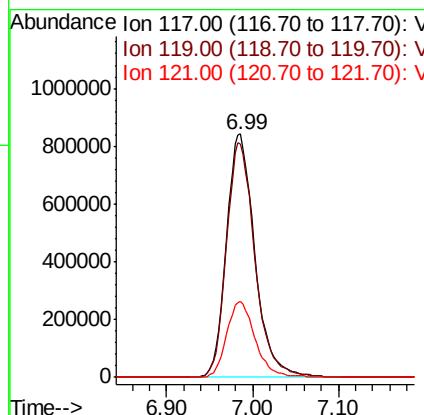
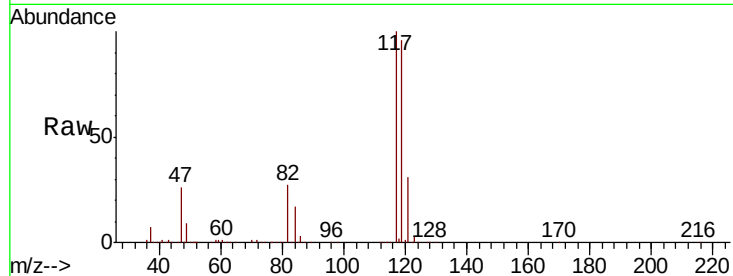
#35
Carbon Tetrachloride
Concen: 9.990 ppbv
RT: 6.99 min Scan# 1306
Delta R.T. -0.01 min
Lab File: VL037017.D
Acq: 20 May 2021 7:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
117	100		
119	95.9	76.6	114.8
121	31.4	25.8	38.6

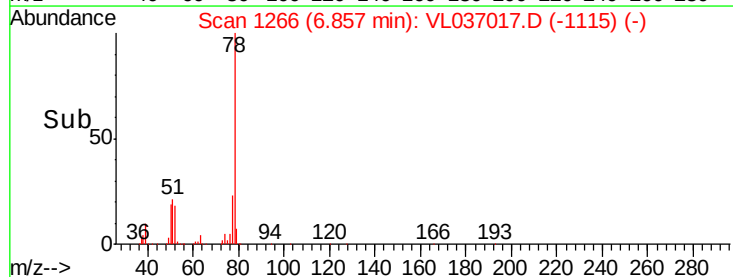
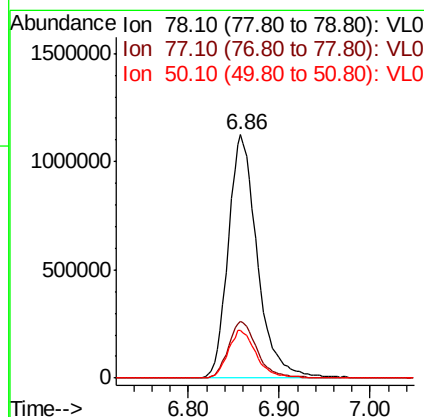
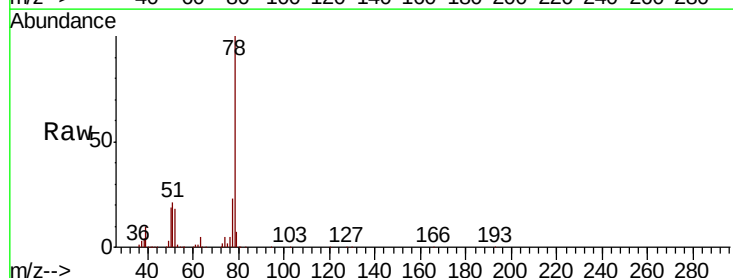
Manual Integrations
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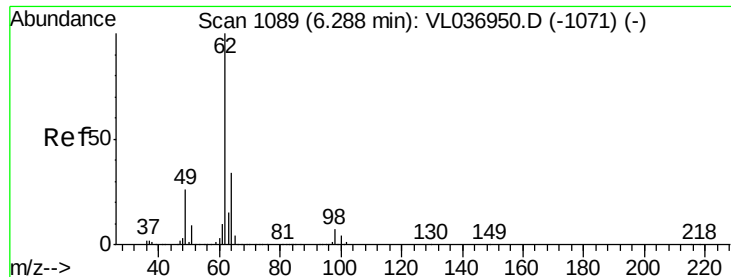
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#36
Benzene
Concen: 9.938 ppbv
RT: 6.86 min Scan# 1266
Delta R.T. -0.01 min
Lab File: VL037017.D
Acq: 20 May 2021 7:31

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.2	18.6	28.0
50	19.4	15.0	22.4





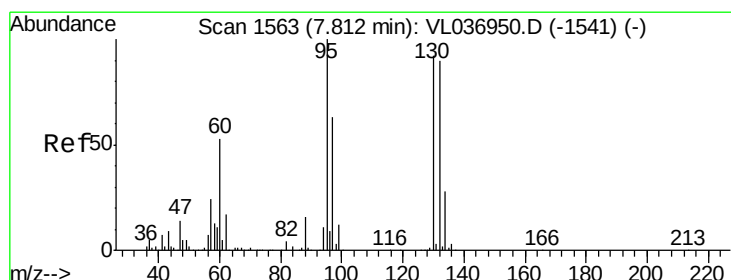
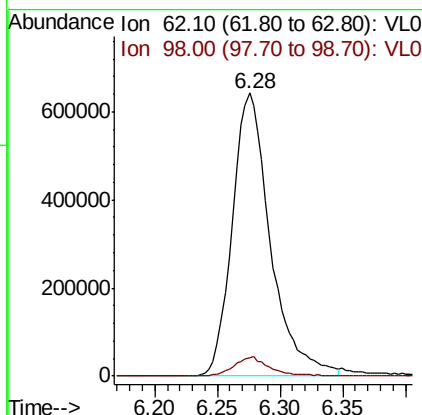
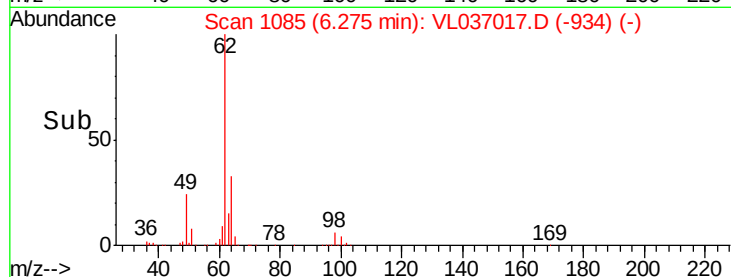
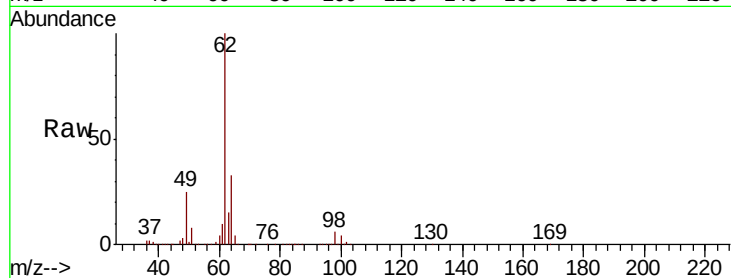
#37
 1,2-Dichloroethane
 Concen: 10.914 ppbv
 RT: 6.28 min Scan# 1085
 Delta R.T. -0.01 min
 Lab File: VL037017.D
 Acq: 20 May 2021 7:31

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
62	100		
98	6.4	5.5	8.3

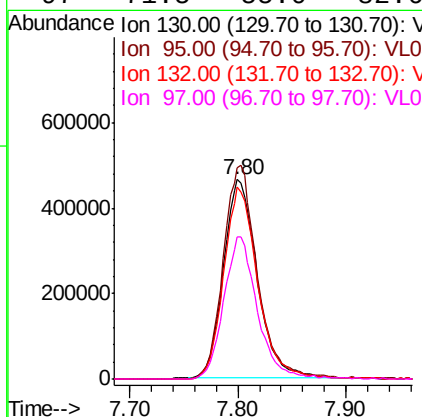
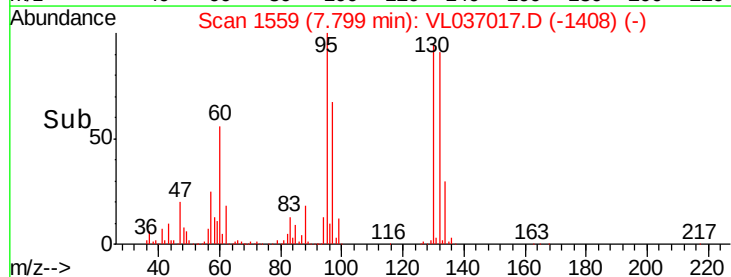
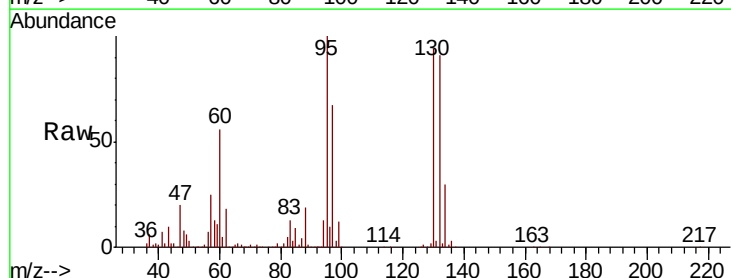
Manual Integrations
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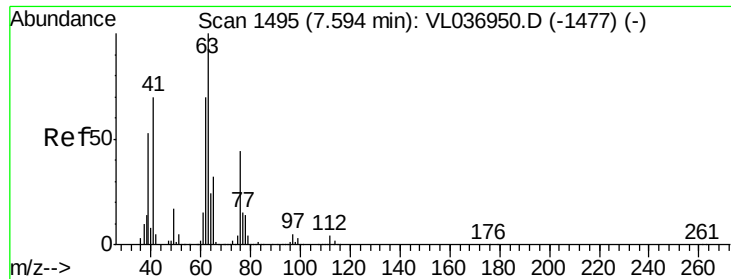
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#38
 Trichloroethene
 Concen: 9.408 ppbv
 RT: 7.80 min Scan# 1559
 Delta R.T. -0.01 min
 Lab File: VL037017.D
 Acq: 20 May 2021 7:31

Tgt Ion	Ratio	Lower	Upper
130	100		
95	106.3	86.9	130.3
132	96.6	78.4	117.6
97	71.5	55.0	82.6





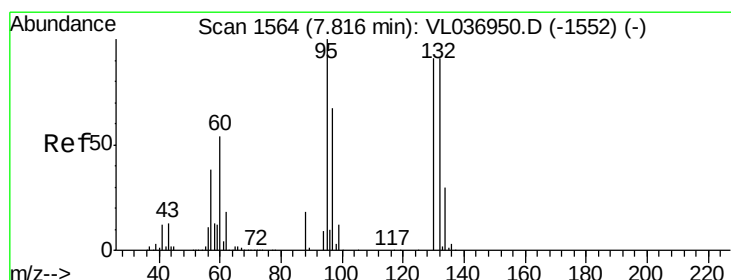
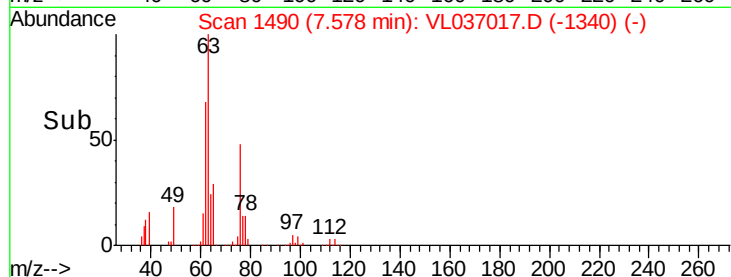
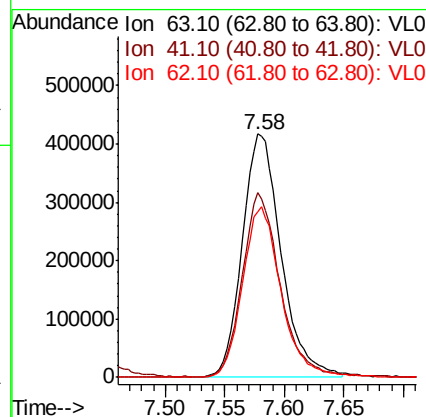
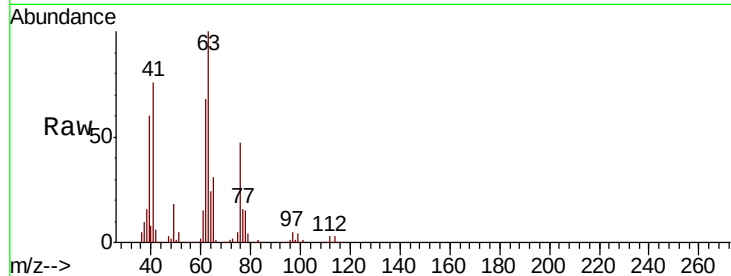
#39
 1,2-Dichloropropane
 Concen: 9.779 ppbv
 RT: 7.58 min Scan# 1490
 Delta R.T. -0.02 min
 Lab File: VL037017.D
 Acq: 20 May 2021 7:31

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
63	100		
41	75.6	55.7	83.5
62	67.7	56.2	84.4

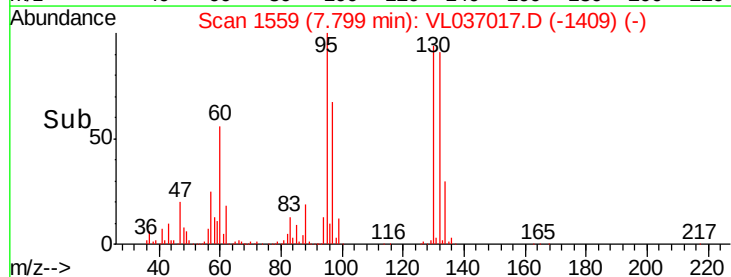
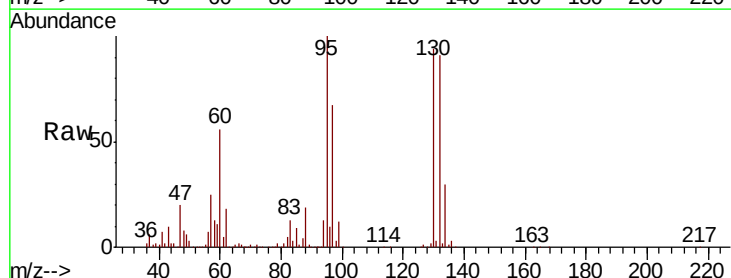
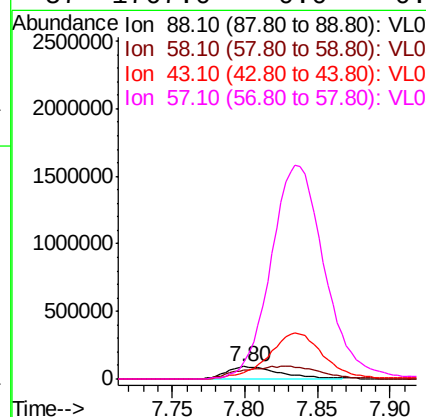
Manual Integrations
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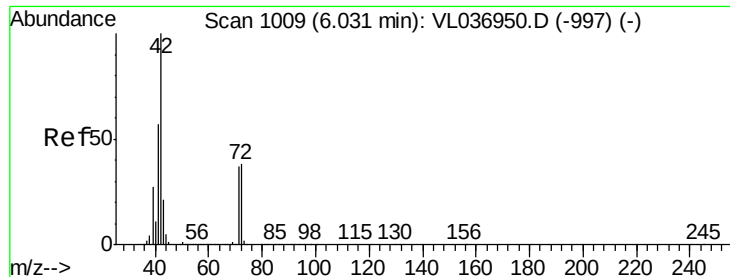
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 5/24/2021 3:03:06 PM



#40
 1,4-Dioxane
 Concen: 10.205 ppbv
 RT: 7.80 min Scan# 1559
 Delta R.T. -0.02 min
 Lab File: VL037017.D
 Acq: 20 May 2021 7:31

Tgt Ion	Ratio	Lower	Upper
88	100		
58	154.7	0.0	0.0#
43	387.7	0.0	0.0#
57	1767.0	0.0	0.0#





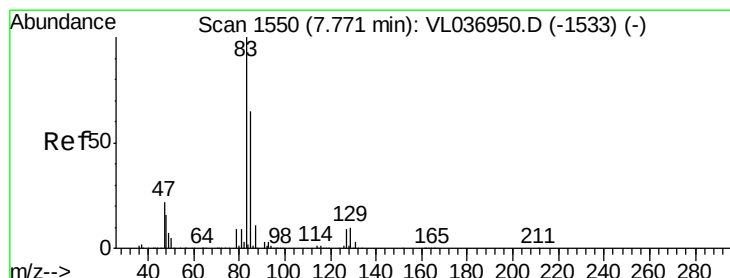
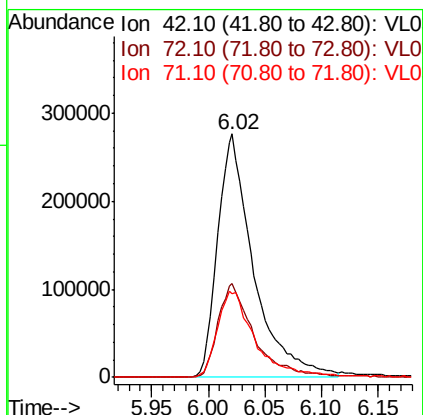
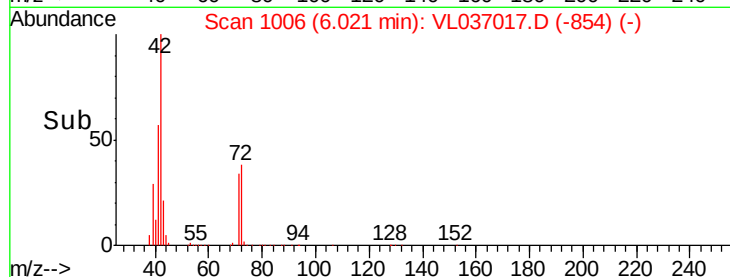
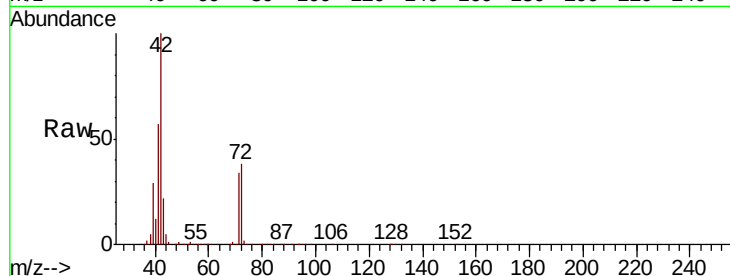
#41
Tetrahydrofuran
Concen: 10.025 ppbv
RT: 6.02 min Scan# 1006
Delta R.T. -0.01 min
Lab File: VL037017.D
Acq: 20 May 2021 7:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	39.9	31.4	47.2
71	38.1	30.4	45.6

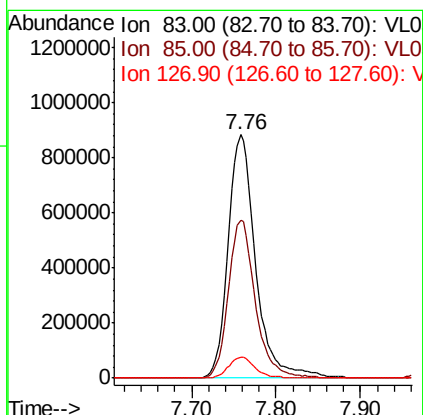
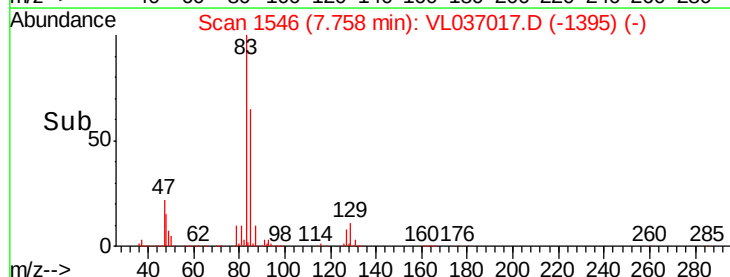
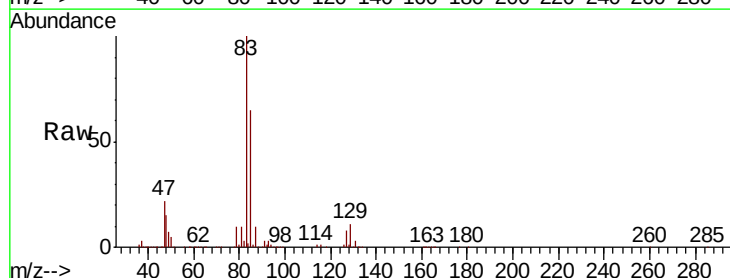
Manual Integrations
APPROVED

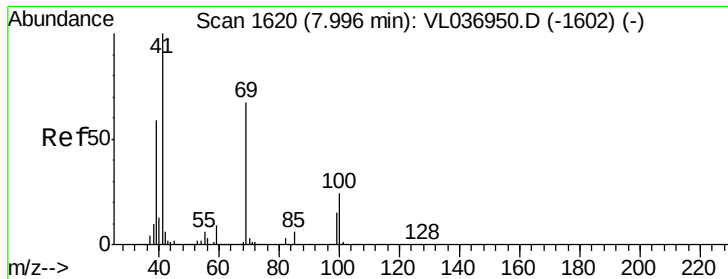
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#42
Bromodichloromethane
Concen: 10.639 ppbv
RT: 7.76 min Scan# 1546
Delta R.T. -0.01 min
Lab File: VL037017.D
Acq: 20 May 2021 7:31

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.8	51.7	77.5
127	8.5	6.9	10.3





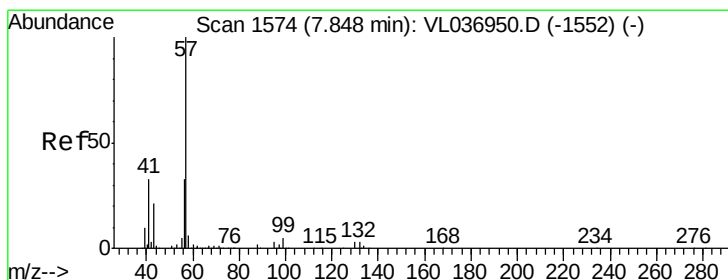
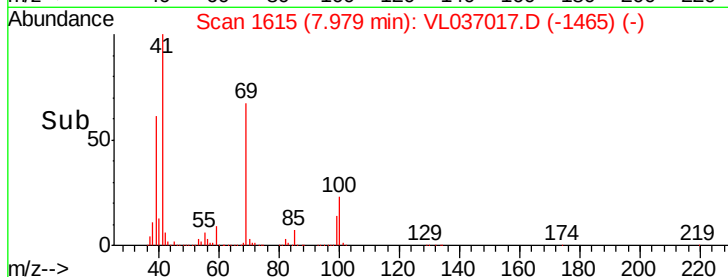
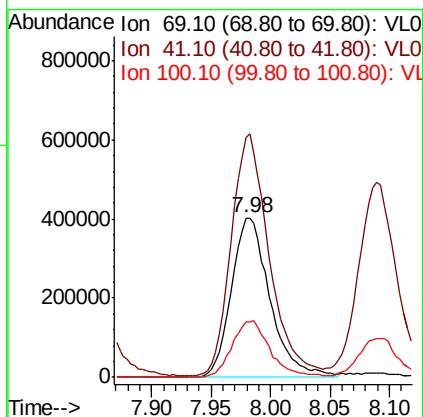
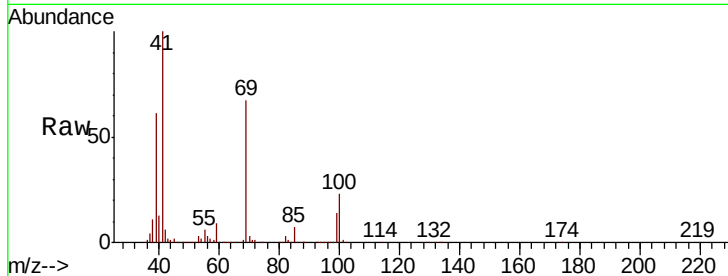
#43
Methvl Methacrylate
Concen: 10.498 ppbv
RT: 7.98 min Scan# 1615
Delta R.T. -0.02 min
Lab File: VL037017.D
Acq: 20 May 2021 7:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
69	100		
41	149.3	118.6	178.0
100	35.2	28.2	42.4

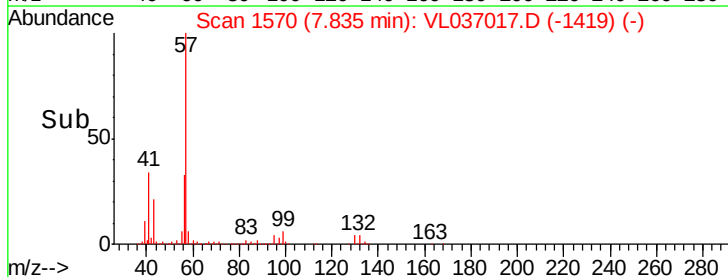
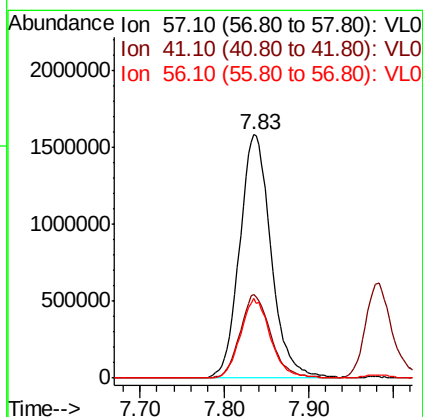
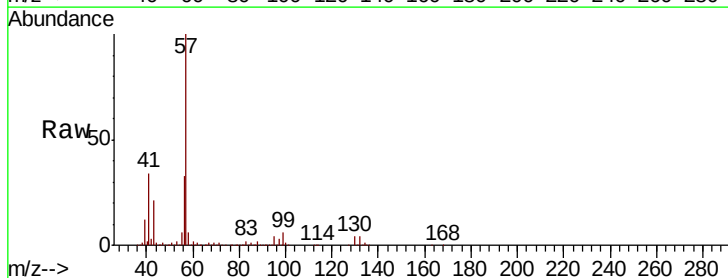
Manual Integrations
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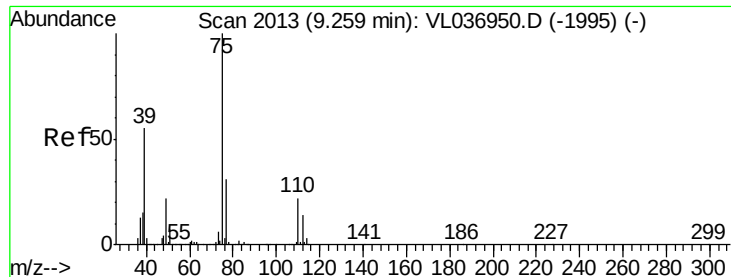
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#44
2,2,4-Trimethylpentane
Concen: 9.542 ppbv
RT: 7.83 min Scan# 1570
Delta R.T. -0.01 min
Lab File: VL037017.D
Acq: 20 May 2021 7:31

Tgt Ion	Ratio	Lower	Upper
57	100		
41	33.4	27.0	40.4
56	31.2	25.4	38.2





#45

t-1,3-Dichloropropene

Concen: 13.529 ppbv

RT: 9.25 min Scan# 2009

Delta R.T. -0.01 min

Lab File: VL037017.D

Acq: 20 May 2021 7:31

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 75 Resp: 893315

Ion Ratio Lower Upper

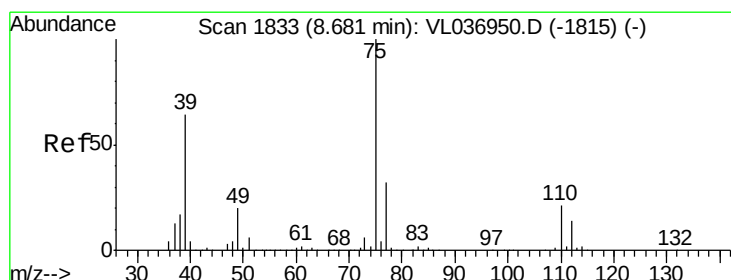
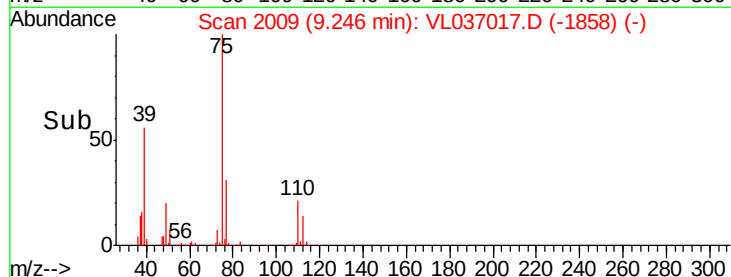
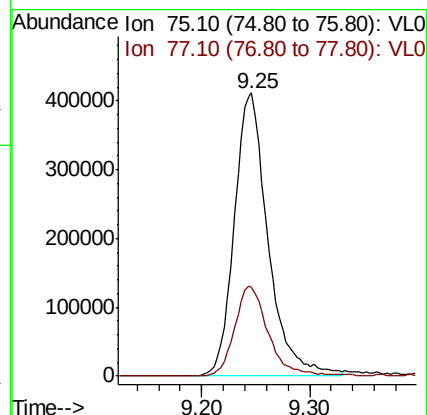
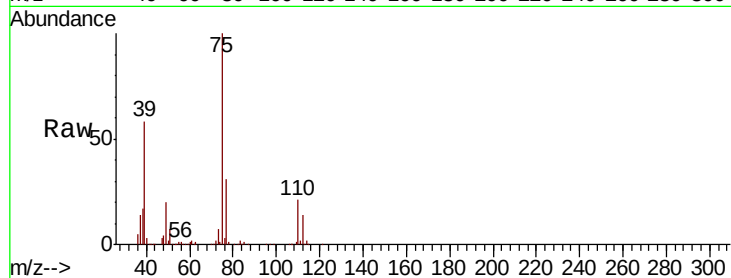
75 100

77 31.3 24.4 36.6

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#46

cis-1,3-Dichloropropene

Concen: 13.124 ppbv

RT: 8.67 min Scan# 1829

Delta R.T. -0.01 min

Lab File: VL037017.D

Acq: 20 May 2021 7:31

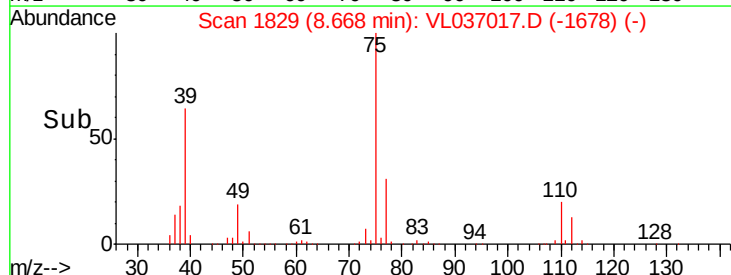
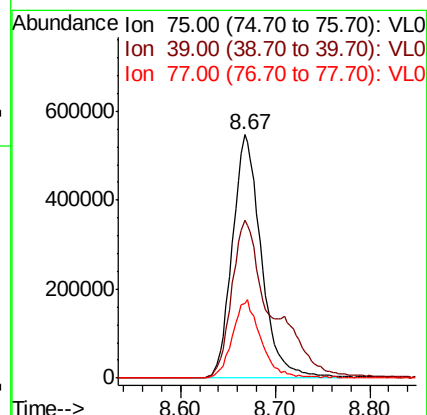
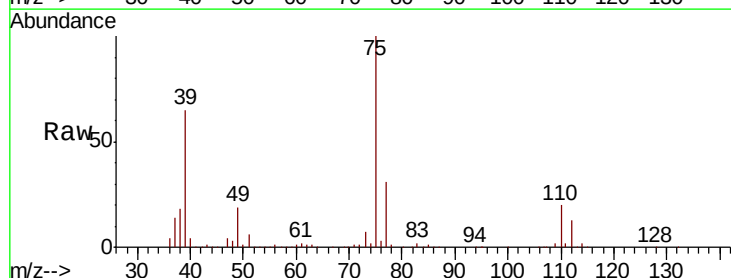
Tgt Ion: 75 Resp: 1165607

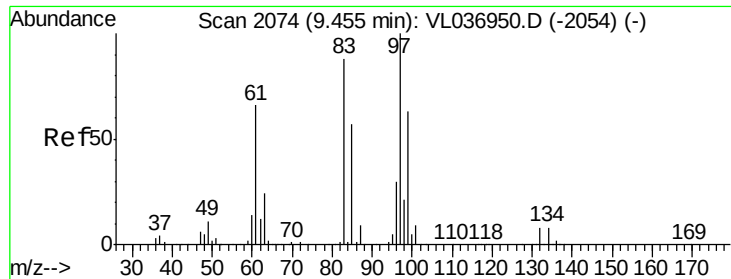
Ion Ratio Lower Upper

75 100

39 64.6 51.5 77.3

77 30.8 25.9 38.9





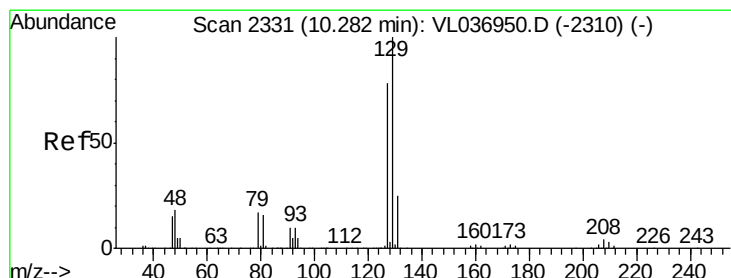
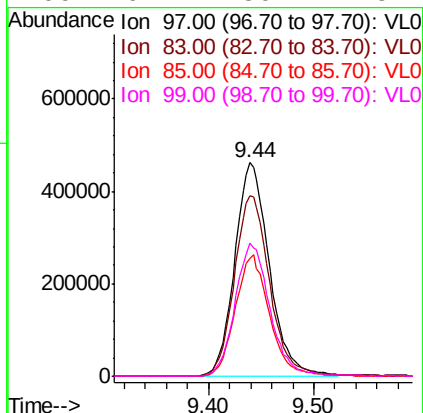
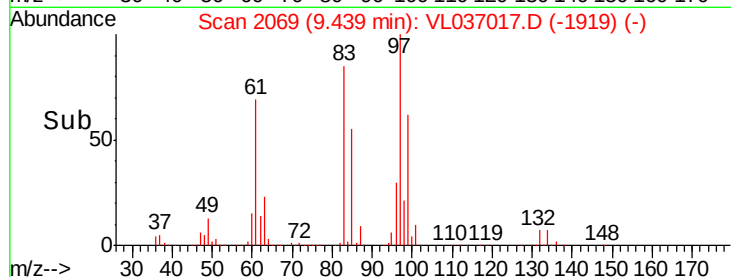
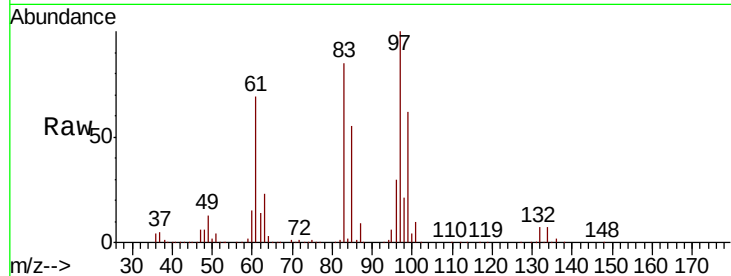
#47
 1,1,2-Trichloroethane
 Concen: 10.404 ppbv
 RT: 9.44 min Scan# 2069
 Delta R.T. -0.02 min
 Lab File: VL037017.D
 Acq: 20 May 2021 7:31

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion: 97 Resp: 1051779
 Ion Ratio Lower Upper
 97 100
 83 84.4 70.4 105.6
 85 55.3 45.5 68.3
 99 62.1 50.2 75.2

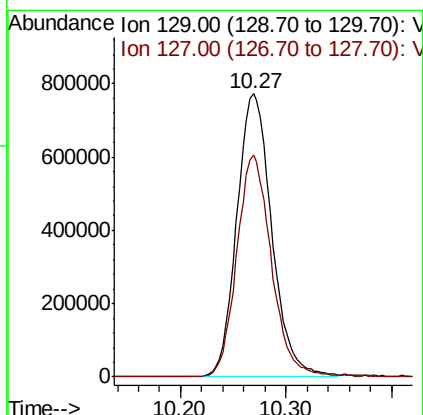
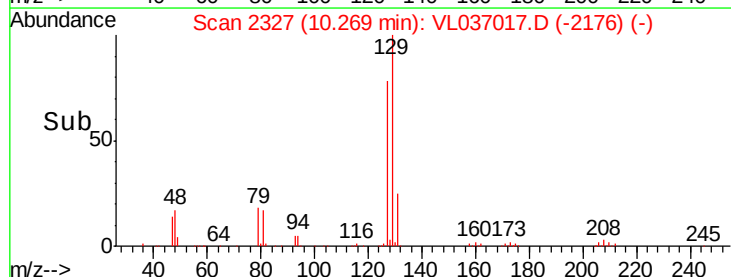
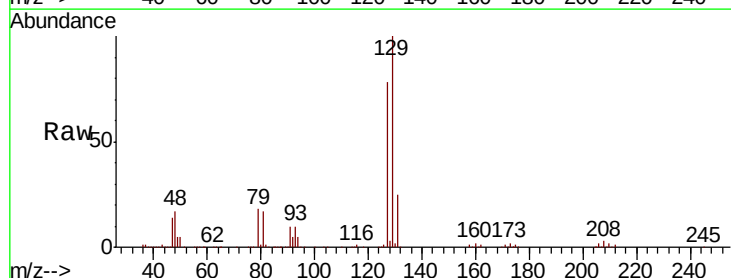
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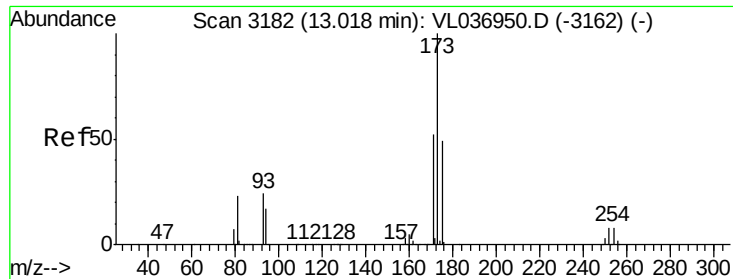
MMDadoda
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#48
 Dibromochloromethane
 Concen: 10.897 ppbv
 RT: 10.27 min Scan# 2327
 Delta R.T. -0.01 min
 Lab File: VL037017.D
 Acq: 20 May 2021 7:31

Tgt Ion: 129 Resp: 1783773
 Ion Ratio Lower Upper
 129 100
 127 78.2 39.3 117.8





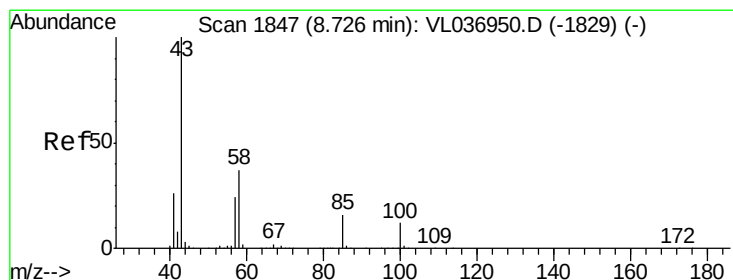
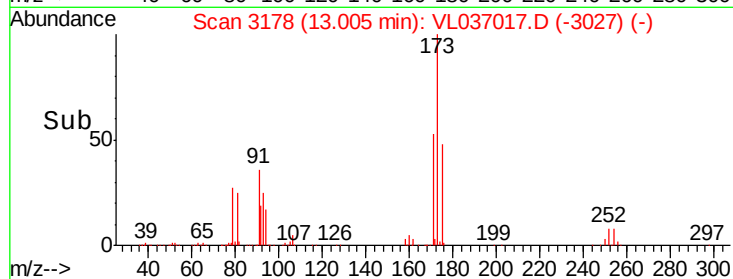
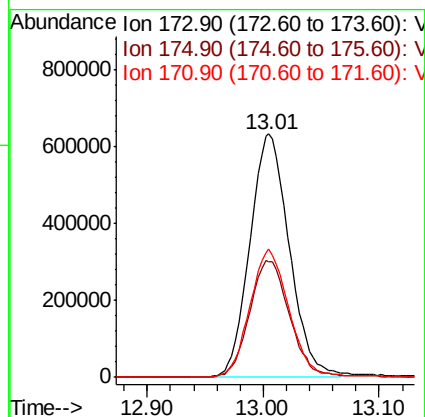
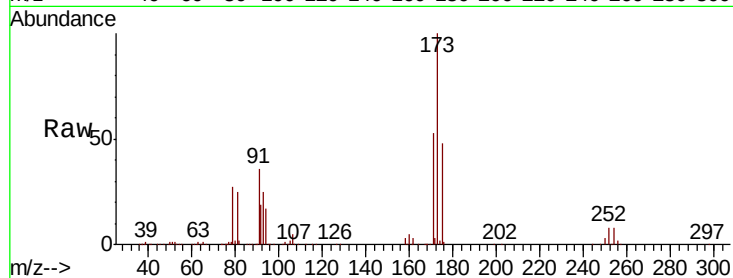
#49
Bromoform
Concen: 11.069 ppbv
RT: 13.01 min Scan# 3178
Delta R.T. -0.01 min
Lab File: VL037017.D
Acq: 20 May 2021 7:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion:173 Resp: 1496397
Ion Ratio Lower Upper
173 100
175 49.4 40.4 60.6
171 53.0 42.6 64.0

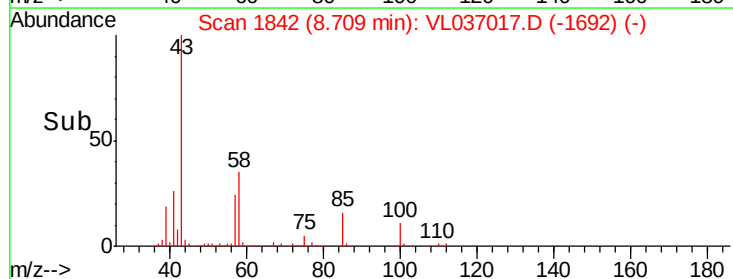
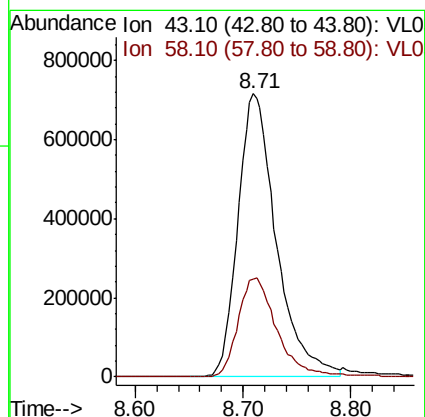
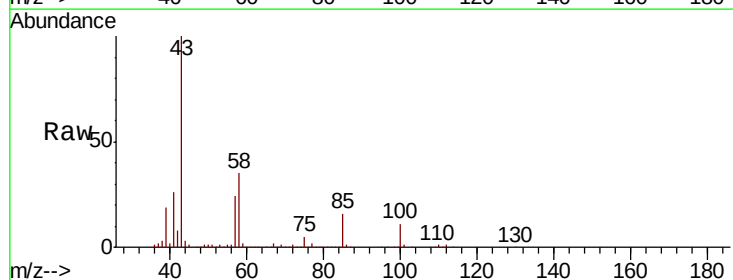
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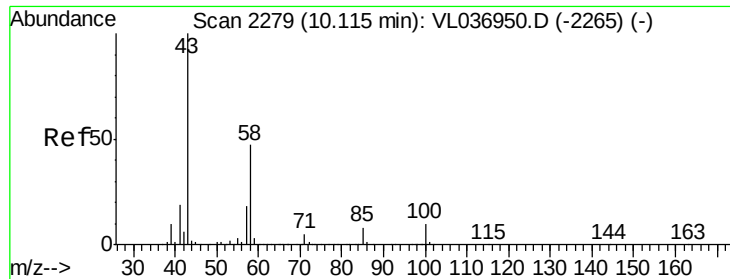
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#50
4-Methyl-2-Pentanone
Concen: 10.113 ppbv
RT: 8.71 min Scan# 1842
Delta R.T. -0.02 min
Lab File: VL037017.D
Acq: 20 May 2021 7:31

Tgt Ion: 43 Resp: 1768874
Ion Ratio Lower Upper
43 100
58 35.7 29.4 44.2





#51

2-Hexanone

Concen: 10.021 ppbv

RT: 10.10 min Scan# 2276

Delta R.T. -0.01 min

Lab File: VL037017.D

Acq: 20 May 2021 7:31

Instrument :

MSVOA_L

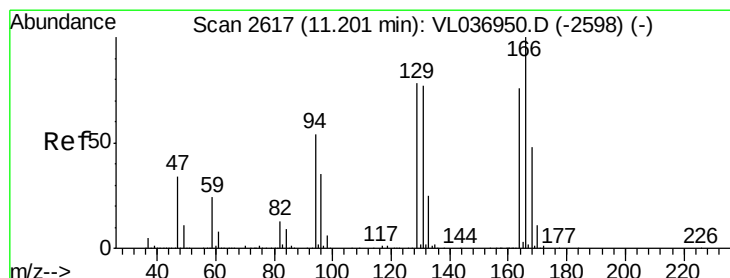
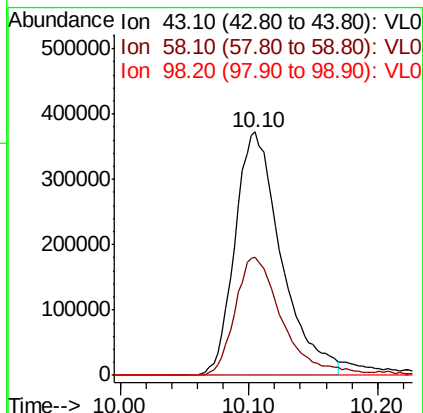
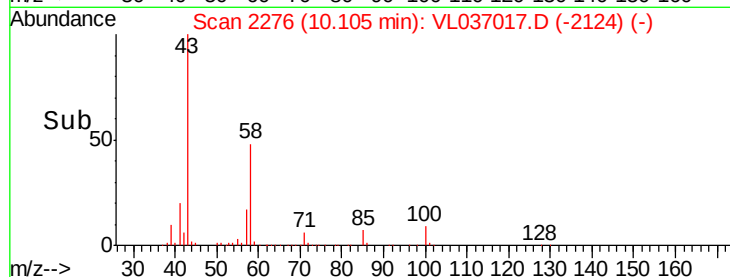
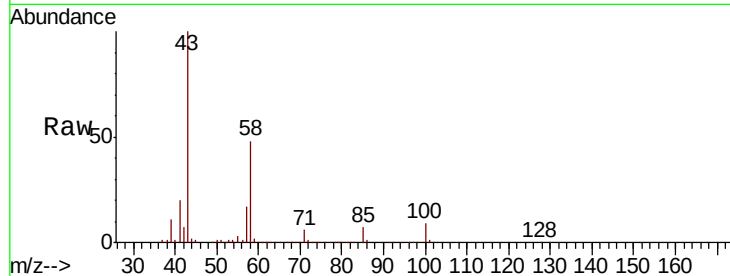
ClientSampleId :

VSTDCCC010EC

Tot Ion:	43	Resp:	926673
Ion Ratio	Lower	Upper	
43	100		
58	50.9	41.1	61.7
98	0.2	0.1	0.1#

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#52

Tetrachloroethene

Concen: 10.239 ppbv

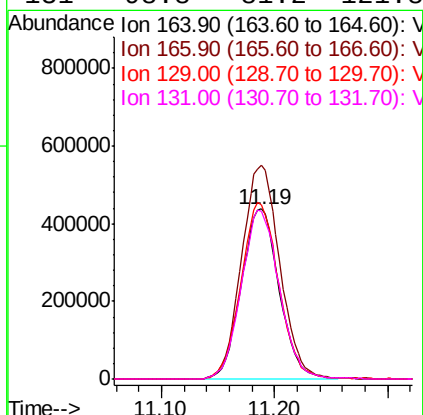
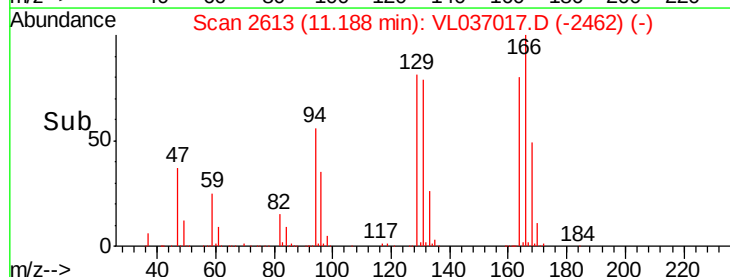
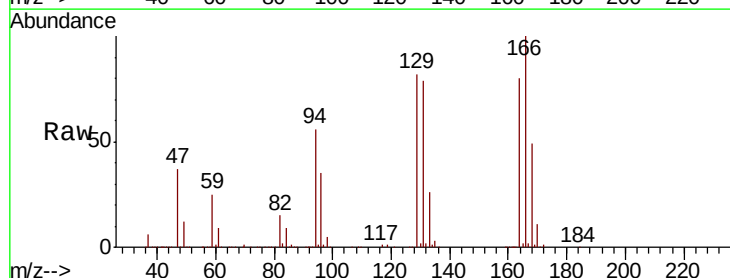
RT: 11.19 min Scan# 2613

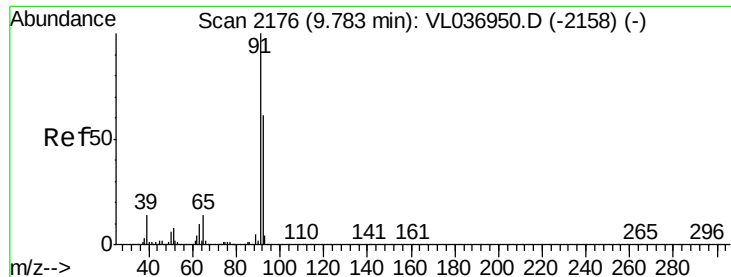
Delta R.T. -0.01 min

Lab File: VL037017.D

Acq: 20 May 2021 7:31

Tgt Ion:	164	Resp:	1020922
Ion Ratio	Lower	Upper	
164	100		
166	125.6	105.5	158.3
129	102.4	81.8	122.8
131	98.8	81.2	121.8





#53

Toluene

Concen: 10.044 ppbv

RT: 9.77 min Scan# 2172

Delta R.T. -0.01 min

Lab File: VL037017.D

Acq: 20 May 2021 7:31

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 91 Resp: 2996758

Ion Ratio Lower Upper

91 100

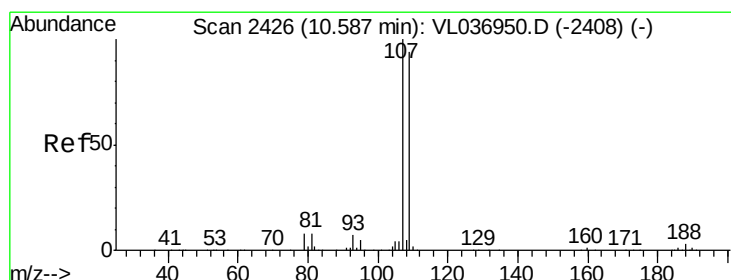
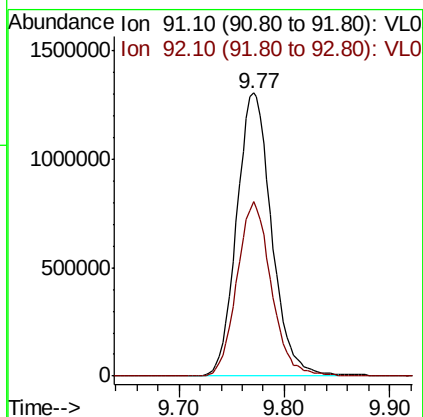
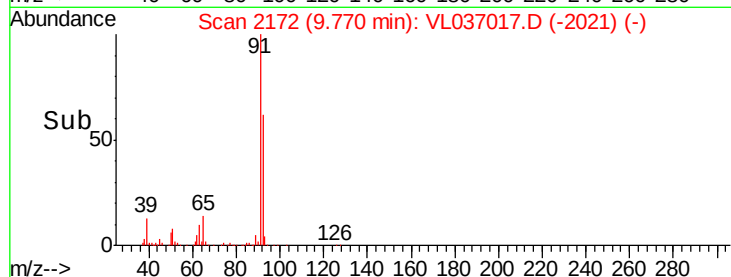
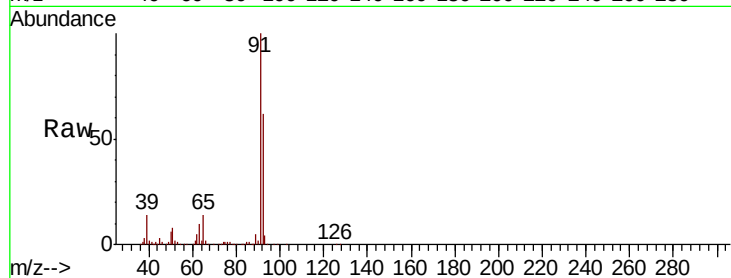
92 61.0 49.5 74.3

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#54

1,2-Dibromoethane

Concen: 10.757 ppbv

RT: 10.57 min Scan# 2422

Delta R.T. -0.01 min

Lab File: VL037017.D

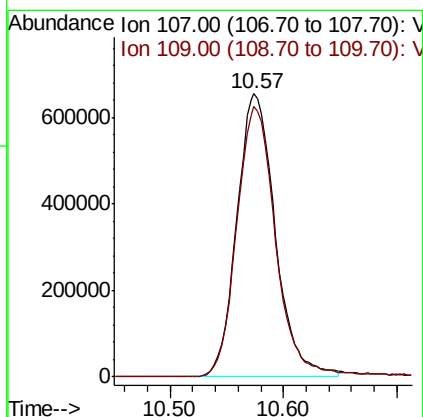
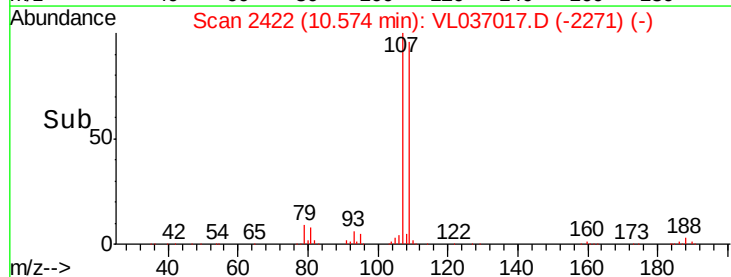
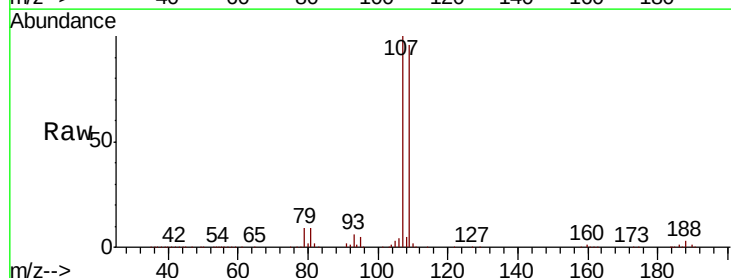
Acq: 20 May 2021 7:31

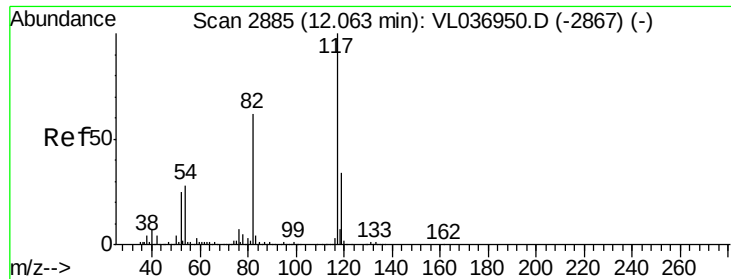
Tgt Ion: 107 Resp: 1546076

Ion Ratio Lower Upper

107 100

109 95.6 75.0 112.4





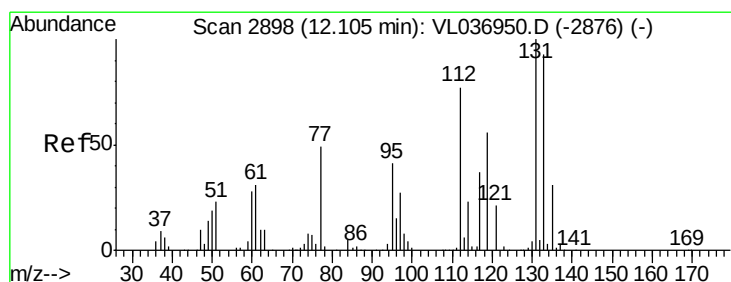
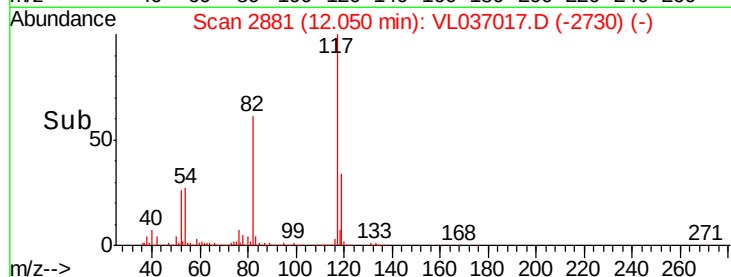
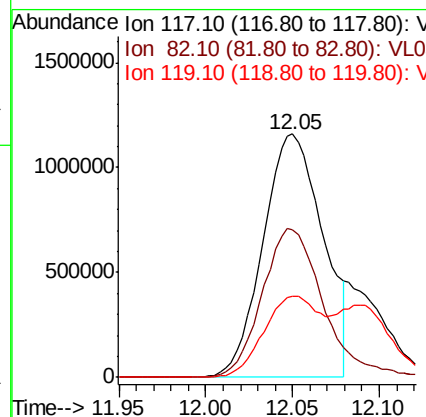
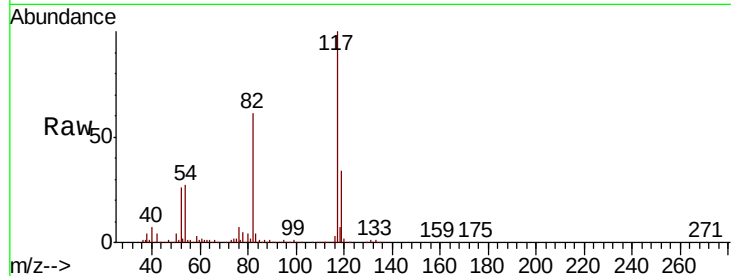
#55
Chlorobenzene-d5
Concen: 10.000 ppbv m
RT: 12.05 min Scan# 2881
Delta R.T. -0.01 min
Lab File: VL037017.D
Acq: 20 May 2021 7:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion:117 Resp: 2781993
Ion Ratio Lower Upper
117 100
82 63.2 52.6 79.0
119 33.3 46.6 70.0#

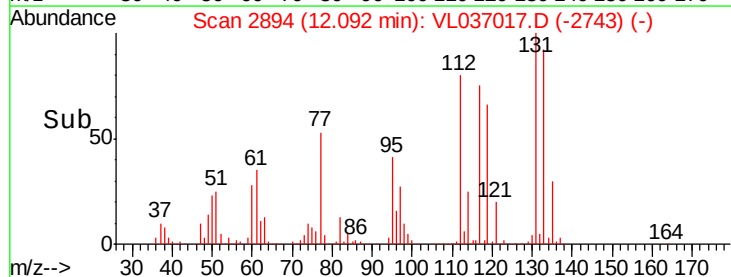
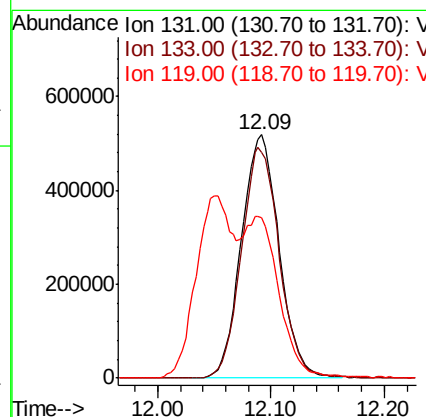
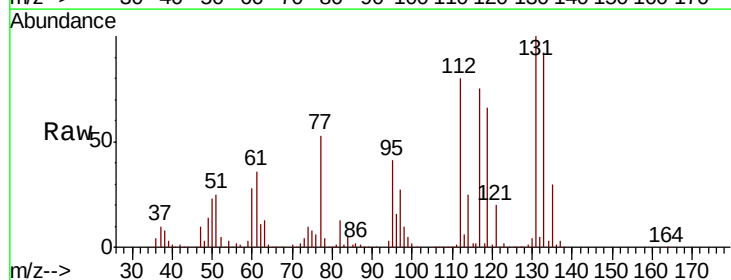
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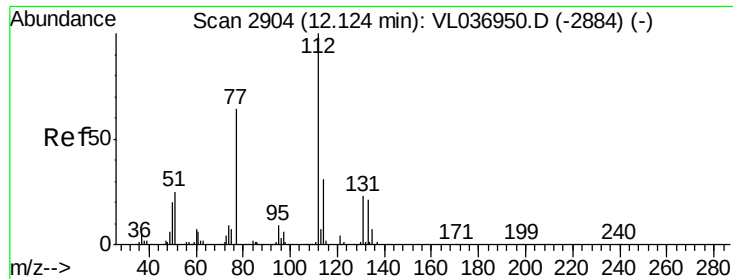
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#56
1,1,1,2-Tetrachloroethane
Concen: 10.278 ppbv
RT: 12.09 min Scan# 2894
Delta R.T. -0.01 min
Lab File: VL037017.D
Acq: 20 May 2021 7:31

Tgt Ion:131 Resp: 1203118
Ion Ratio Lower Upper
131 100
133 95.4 76.9 115.3
119 138.2 120.2 180.4





#57

Chlorobenzene

Concen: 10.397 ppbv

RT: 12.11 min Scan# 2900

Delta R.T. -0.01 min

Lab File: VL037017.D

Acq: 20 May 2021 7:31

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:112 Resp: 2242727

Ion Ratio Lower Upper

112 100

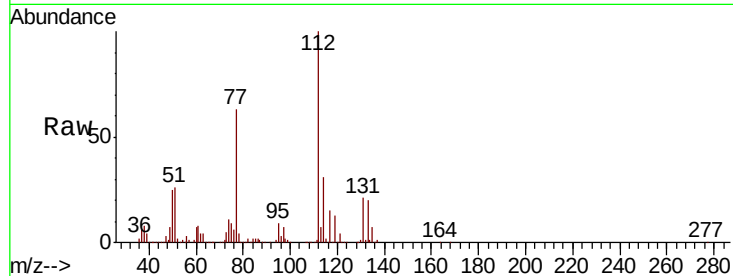
77 61.8 51.0 76.6

114 31.4 28.3 34.5

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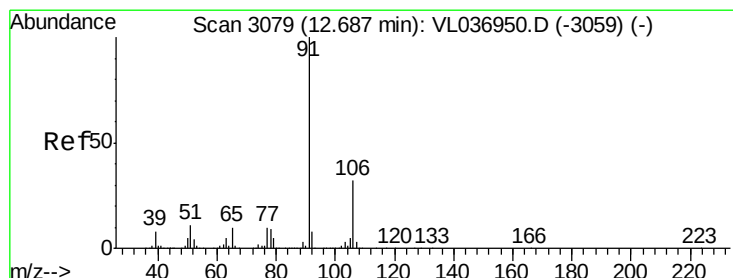
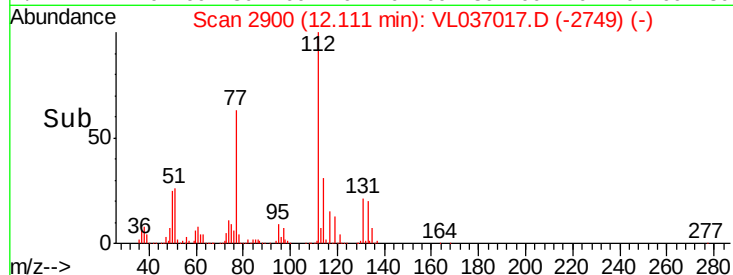
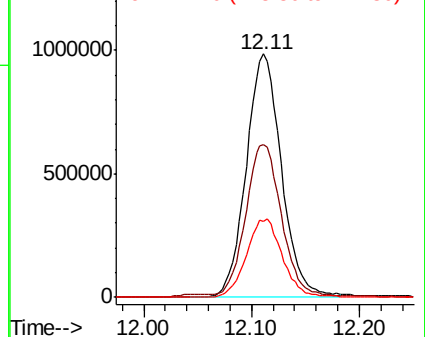
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Abundance Ion 112.10 (111.80 to 112.80): V

Ion 77.10 (76.80 to 77.80): VL0

Ion 114.10 (113.80 to 114.80): V



#58

Ethyl Benzene

Concen: 10.176 ppbv

RT: 12.67 min Scan# 3075

Delta R.T. -0.01 min

Lab File: VL037017.D

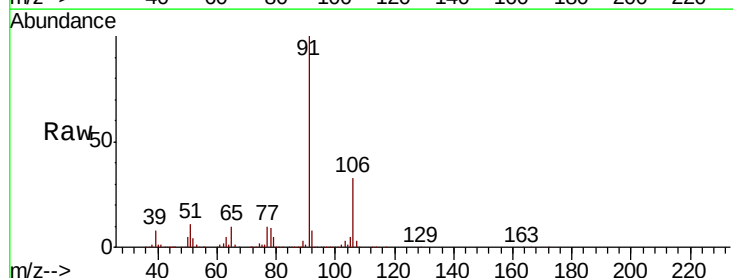
Acq: 20 May 2021 7:31

Tgt Ion: 91 Resp: 3995674

Ion Ratio Lower Upper

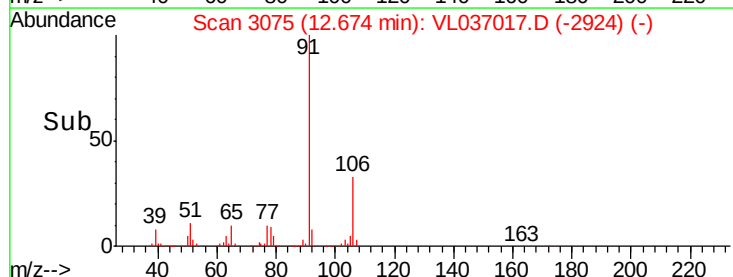
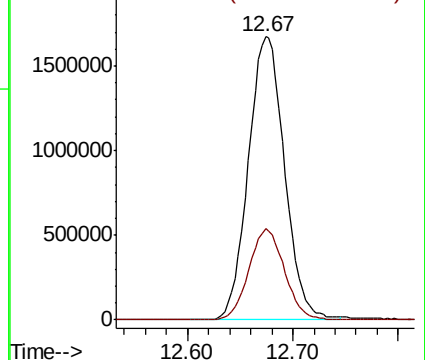
91 100

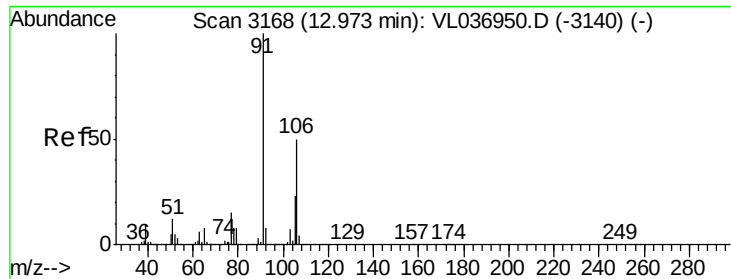
106 32.5 25.6 38.4



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





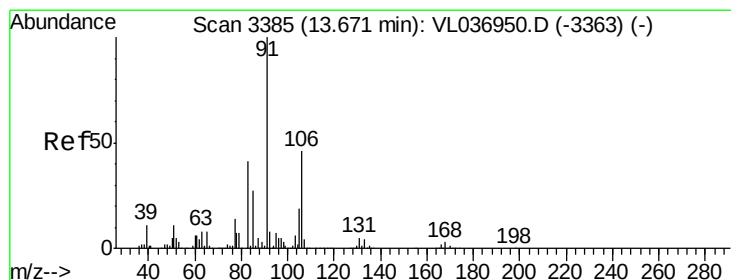
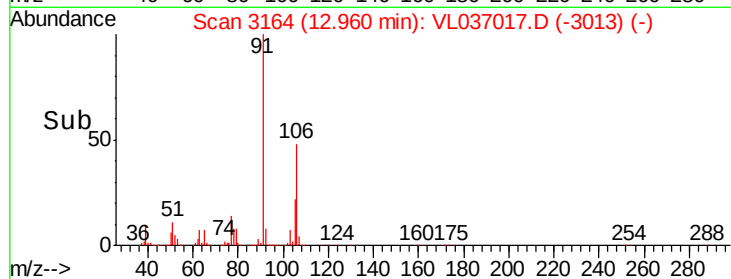
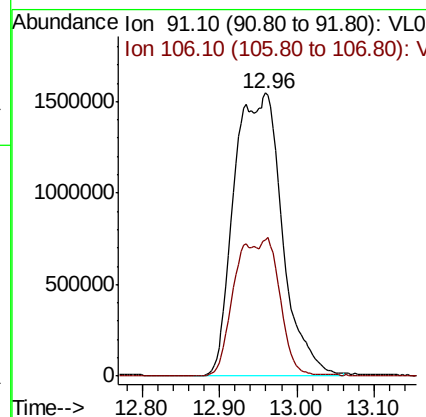
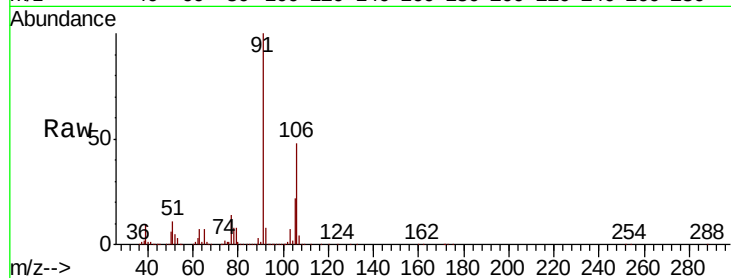
#59
m/p-Xylene
Concen: 20.545 ppbv m
RT: 12.96 min Scan# 3164
Delta R.T. -0.01 min
Lab File: VL037017.D
Acq: 20 May 2021 7:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 91 Resp: 6668160
Ion Ratio Lower Upper
91 100
106 45.6 37.4 56.2

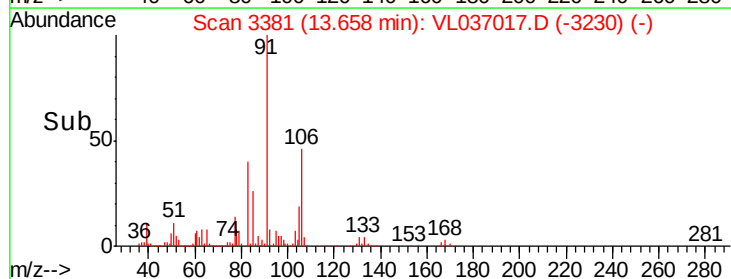
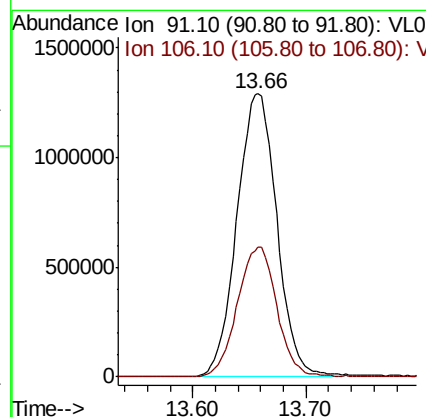
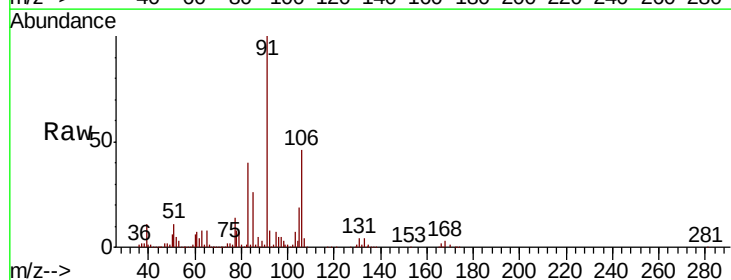
Manual Integrations
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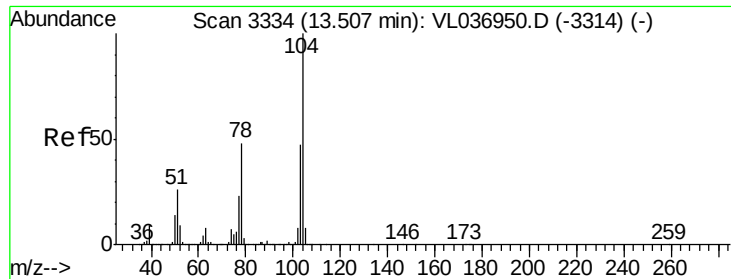
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#60
o-Xylene
Concen: 10.192 ppbv
RT: 13.66 min Scan# 3381
Delta R.T. -0.01 min
Lab File: VL037017.D
Acq: 20 May 2021 7:31

Tgt Ion: 91 Resp: 3154716
Ion Ratio Lower Upper
91 100
106 45.9 23.4 70.3





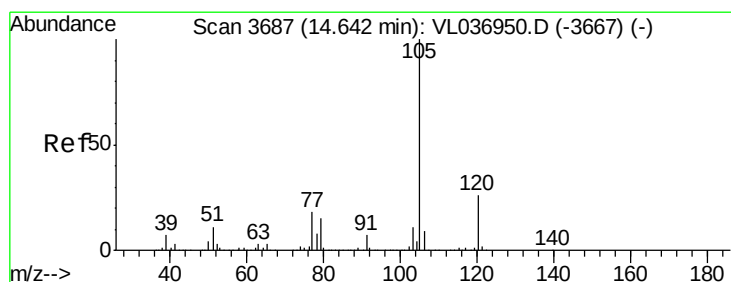
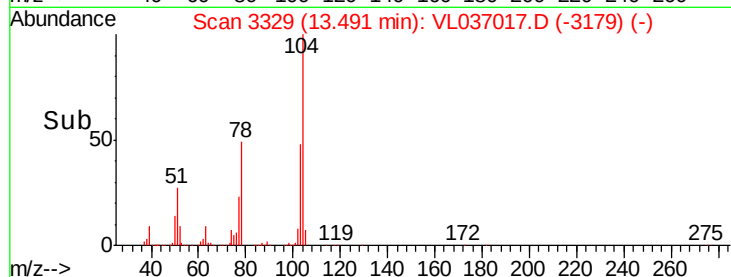
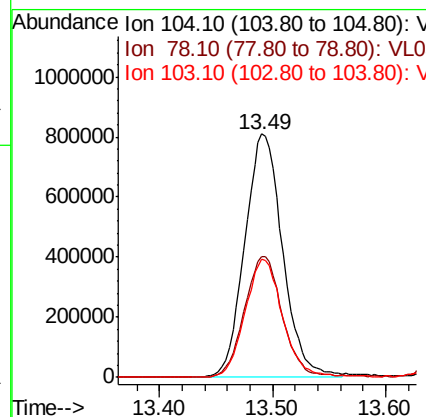
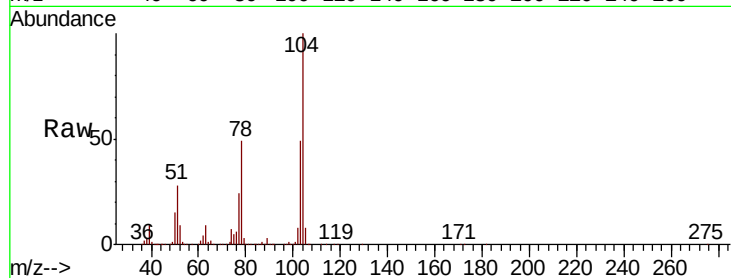
#61
Stvrene
Concen: 10.805 ppbv
RT: 13.49 min Scan# 3329
Delta R.T. -0.02 min
Lab File: VL037017.D
Acq: 20 May 2021 7:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
104	100		
78	50.0	39.0	58.6
103	48.4	38.0	57.0

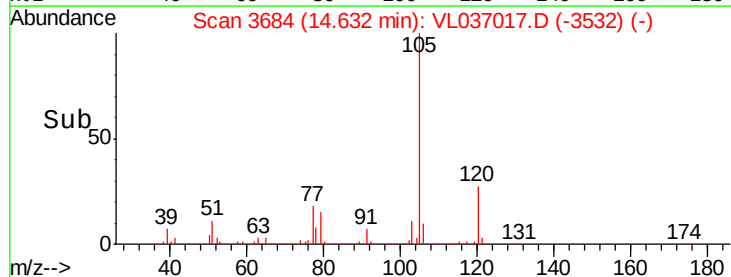
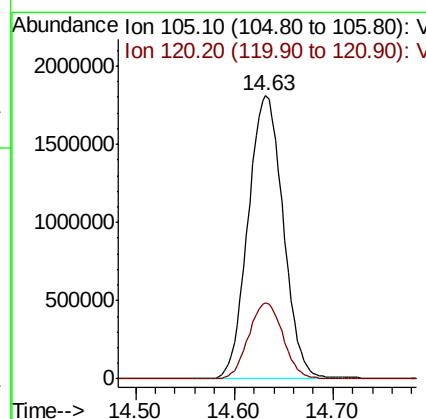
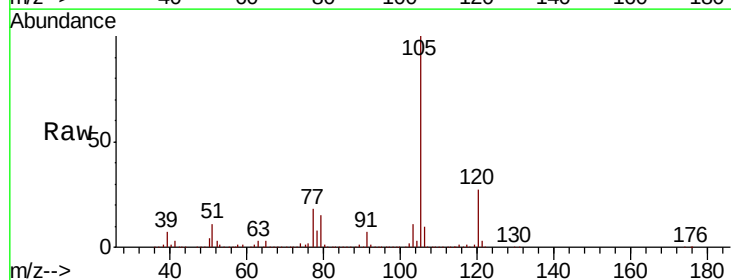
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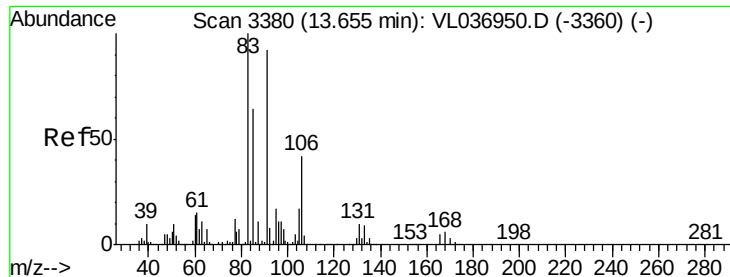
MMDadoda
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#62
Isopropylbenzene
Concen: 10.022 ppbv
RT: 14.63 min Scan# 3684
Delta R.T. -0.01 min
Lab File: VL037017.D
Acq: 20 May 2021 7:31

Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.6	21.7	32.5





#63

1,1,2,2-Tetrachloroethane

Concen: 9.219 ppbv

RT: 13.64 min Scan# 3376

Delta R.T. -0.01 min

Lab File: VL037017.D

Acq: 20 May 2021 7:31

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 83 Resp: 2131193

Ion Ratio Lower Upper

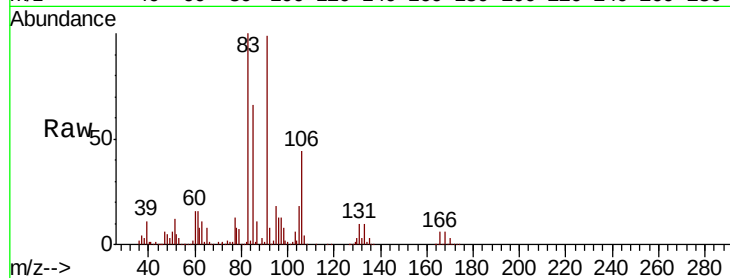
83 100

131 10.5 5.0 15.0

85 65.8 32.9 98.6

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MMDadoda
5/24/2021 3:03:06 PM

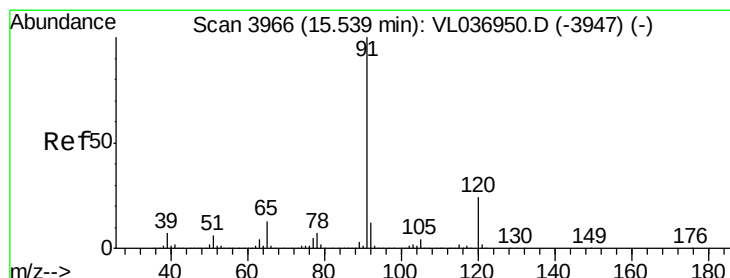
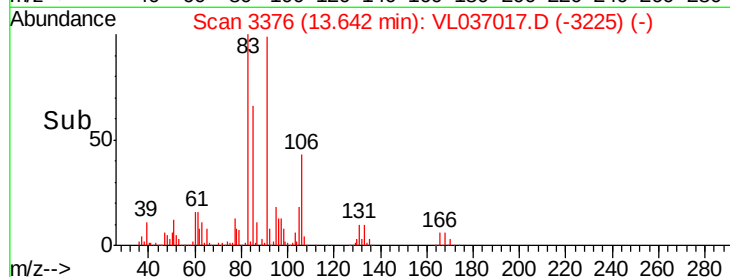
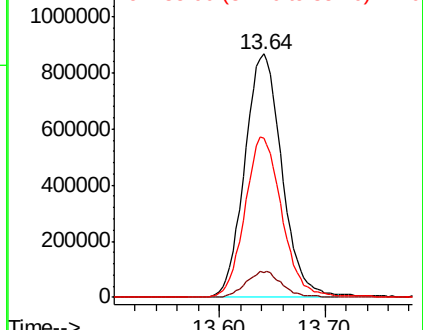


Abundance

Ion 83.00 (82.70 to 83.70): VL0

Ion 131.00 (130.70 to 131.70): VL0

Ion 85.00 (84.70 to 85.70): VL0



#64

n-propylbenzene

Concen: 10.503 ppbv

RT: 15.53 min Scan# 3962

Delta R.T. -0.01 min

Lab File: VL037017.D

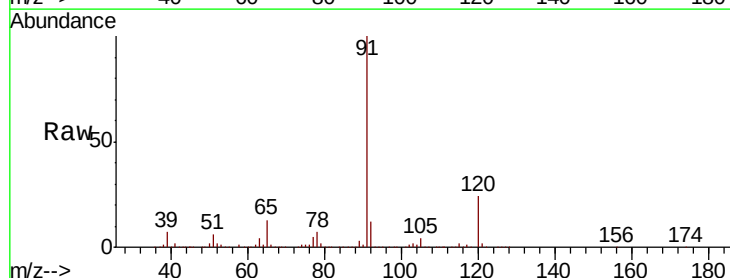
Acq: 20 May 2021 7:31

Tgt Ion: 120 Resp: 1205540

Ion Ratio Lower Upper

120 100

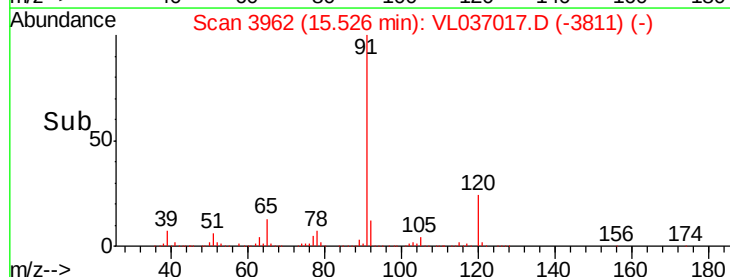
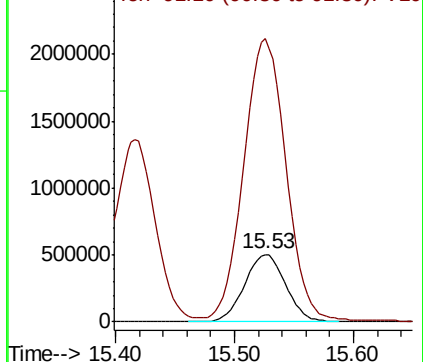
91 434.5 343.8 515.6

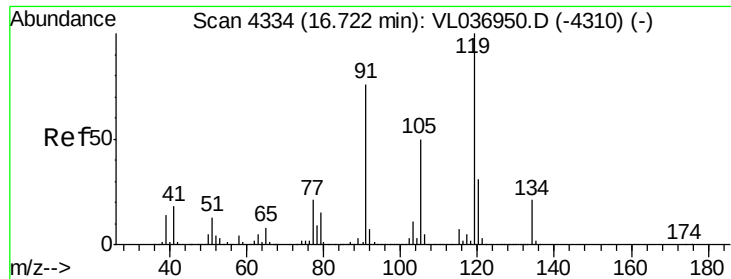


Abundance

Ion 120.20 (119.90 to 120.90): VL0

Ion 91.10 (90.80 to 91.80): VL0





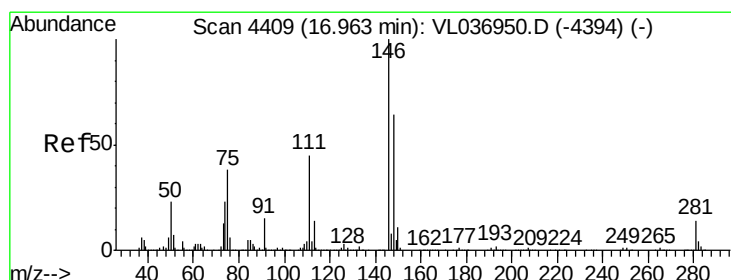
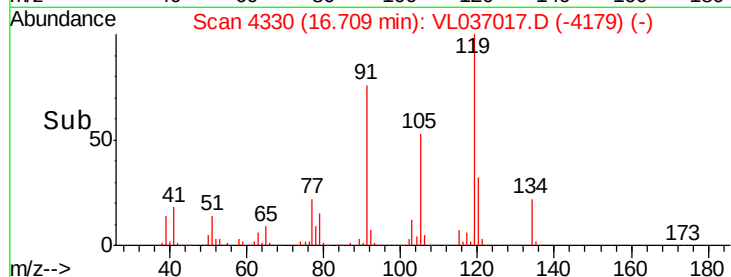
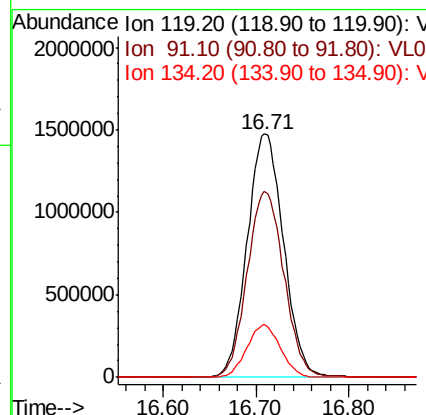
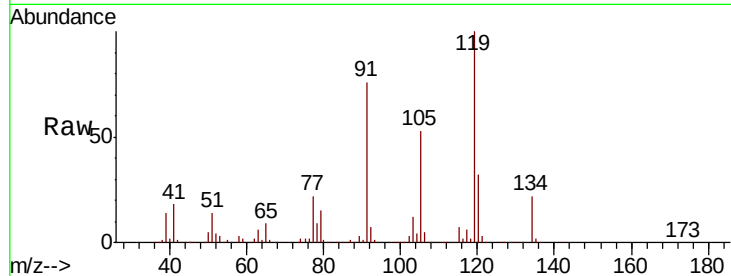
#65
tert-Butylbenzene
Concen: 10.005 ppbv
RT: 16.71 min Scan# 4330
Delta R.T. -0.01 min
Lab File: VL037017.D
Acq: 20 May 2021 7:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion:119 Resp: 4016277
Ion Ratio Lower Upper
119 100
91 77.4 61.9 92.9
134 20.1 16.2 24.4

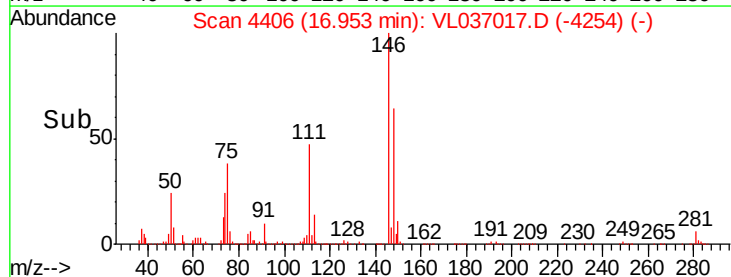
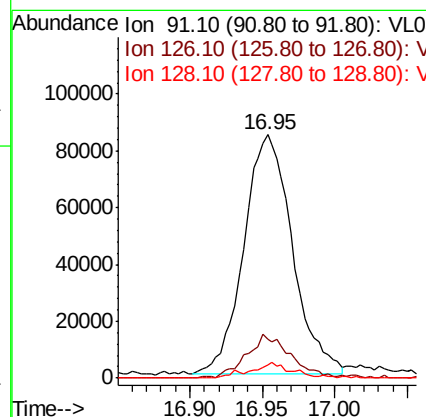
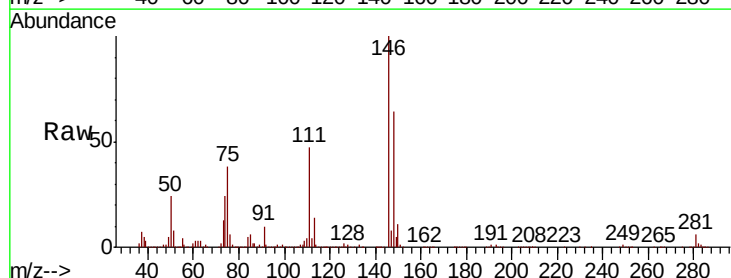
Manual Integrations
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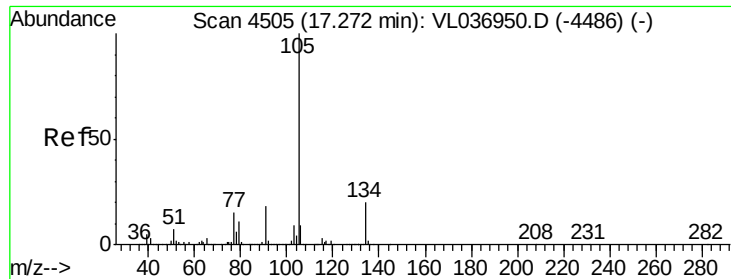
MMDadoda
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#66
Benzyl Chloride
Concen: 8.778 ppbv
RT: 16.95 min Scan# 4406
Delta R.T. -0.01 min
Lab File: VL037017.D
Acq: 20 May 2021 7:31

Tgt Ion: 91 Resp: 195516
Ion Ratio Lower Upper
91 100
126 17.4 16.5 24.7
128 6.0 5.5 8.3





#67

sec-Butylbenzene

Concen: 9.954 ppbv

RT: 17.26 min Scan# 4501

Delta R.T. -0.01 min

Lab File: VL037017.D

Acq: 20 May 2021 7:31

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 105 Resp: 5451222

Ion Ratio Lower Upper

105 100

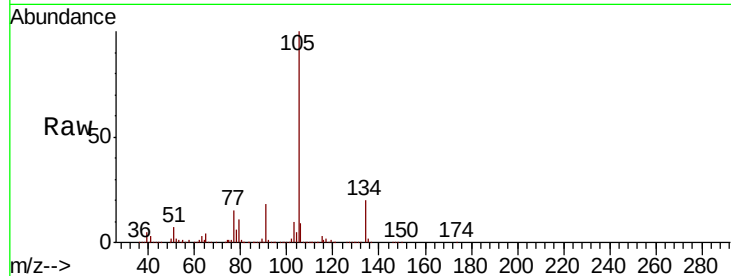
134 19.2 15.6 23.4

Manual Integrations

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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V

2500000

2000000

1500000

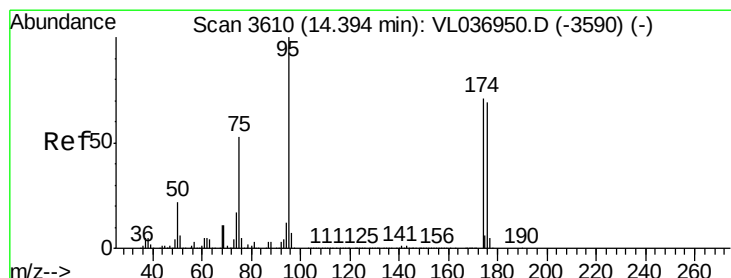
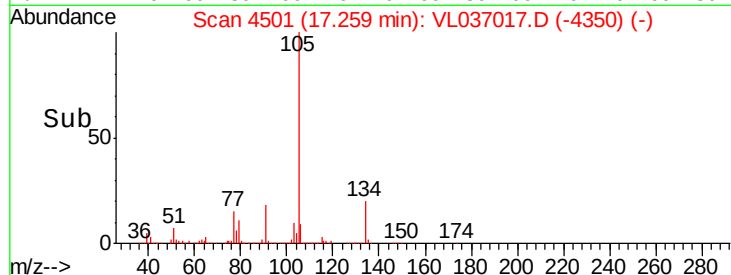
1000000

500000

0

17.20 17.30

Time-->



#68

1-Bromo-4-Fluorobenzene

Concen: 10.440 ppbv

RT: 14.38 min Scan# 3605

Delta R.T. -0.02 min

Lab File: VL037017.D

Acq: 20 May 2021 7:31

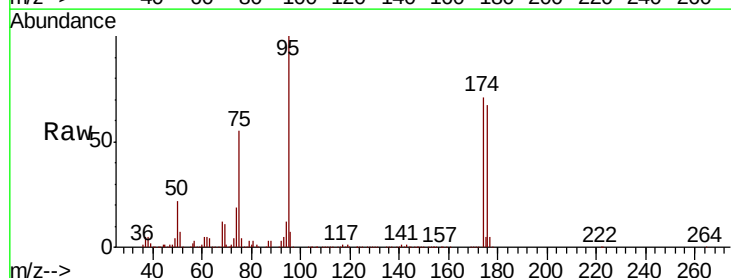
Tgt Ion: 95 Resp: 2181756

Ion Ratio Lower Upper

95 100

174 73.0 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

1200000

1000000

800000

600000

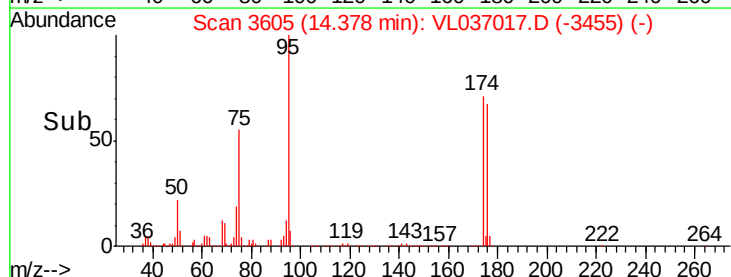
400000

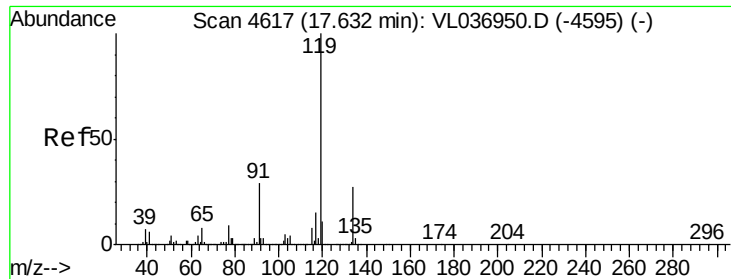
200000

0

14.30 14.40

Time-->





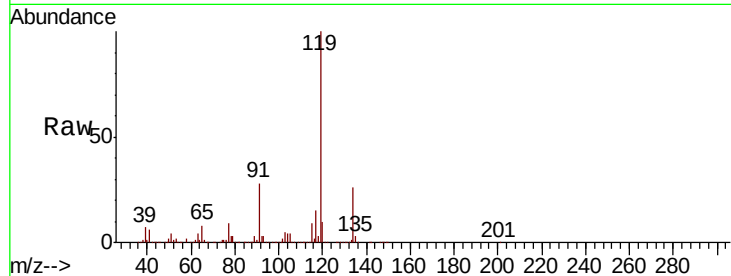
#69
 p-Isopropyltoluene
 Concen: 10.052 ppbv
 RT: 17.62 min Scan# 4612
 Delta R.T. -0.02 min
 Lab File: VL037017.D
 Acq: 20 May 2021 7:31

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
119	100		
134	25.8	21.2	31.8
91	28.0	22.2	33.4

Manual Integrations
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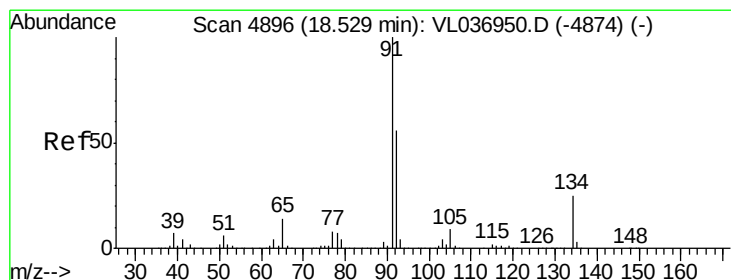
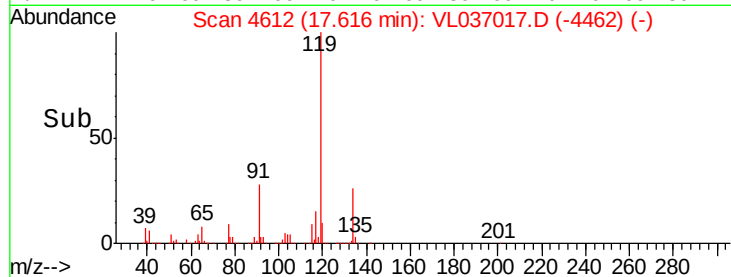
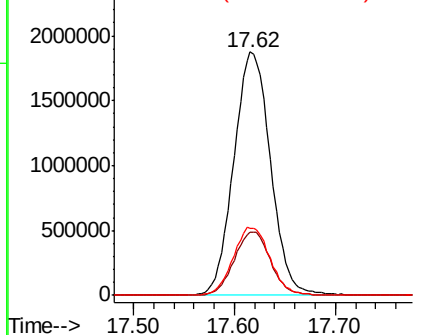


Abundance

Ion 119.10 (118.80 to 119.80): V

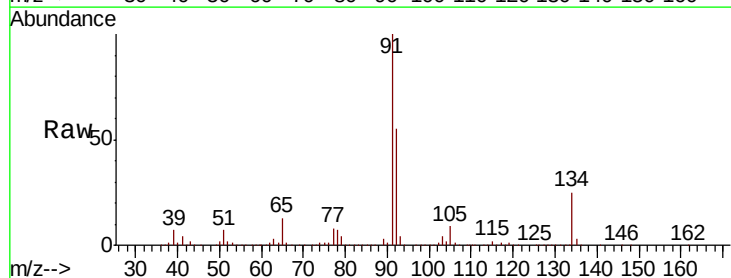
Ion 134.20 (133.90 to 134.90): V

Ion 91.10 (90.80 to 91.80): V



#70
 n-Butylbenzene
 Concen: 10.205 ppbv
 RT: 18.51 min Scan# 4891
 Delta R.T. -0.02 min
 Lab File: VL037017.D
 Acq: 20 May 2021 7:31

Tgt Ion	Ratio	Lower	Upper
91	100		
92	54.4	44.6	66.8
134	24.8	20.2	30.2

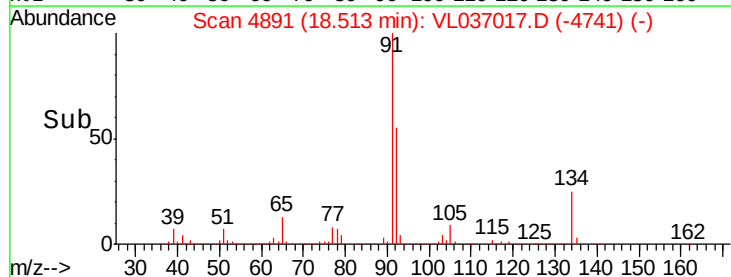
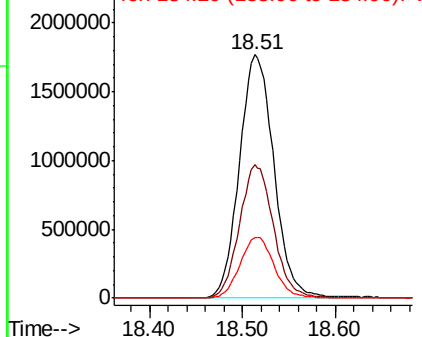


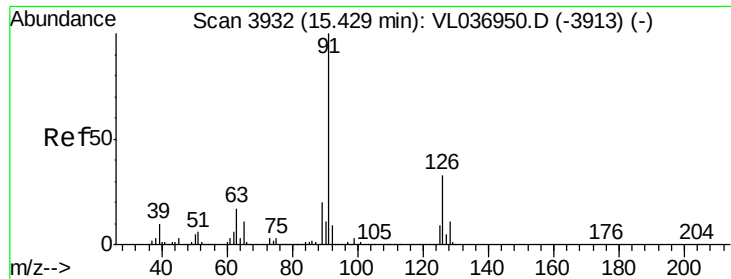
Abundance

Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0

Ion 134.20 (133.90 to 134.90): V





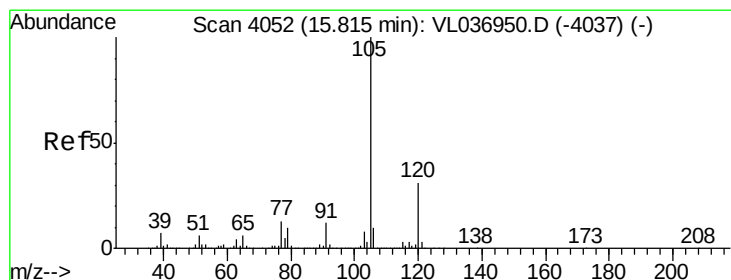
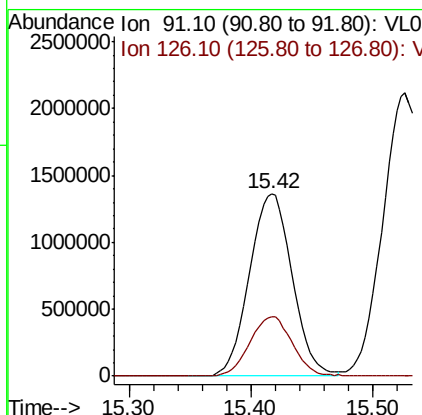
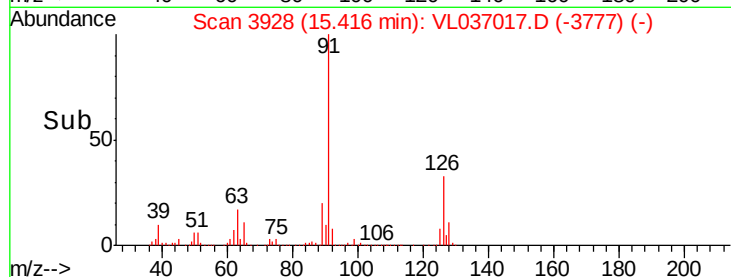
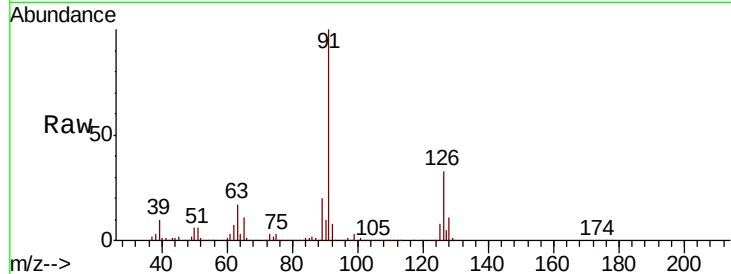
#71
 2-Chlorotoluene
 Concen: 10.281 ppbv
 RT: 15.42 min Scan# 3928
 Delta R.T. -0.01 min
 Lab File: VL037017.D
 Acq: 20 May 2021 7:31

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion: 91 Resp: 3303457
 Ion Ratio Lower Upper
 91 100
 126 32.6 13.1 52.5

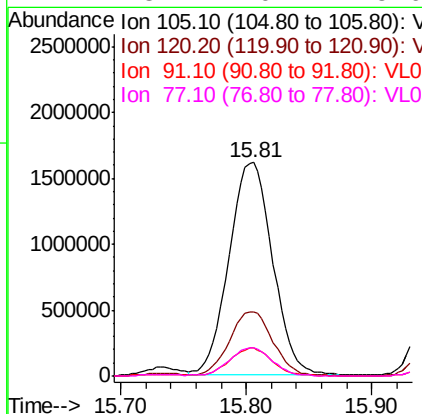
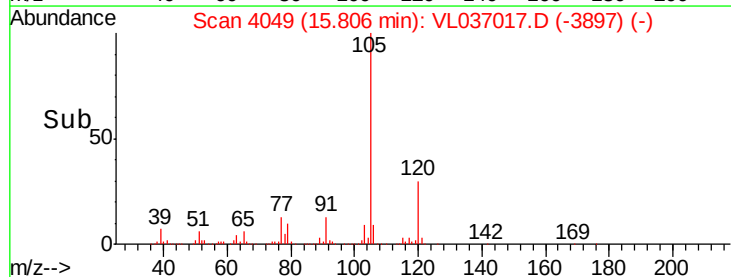
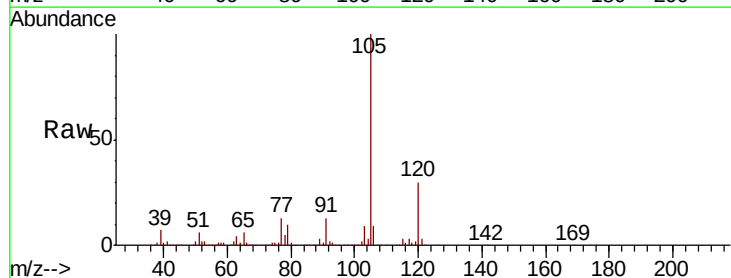
Manual Integrations
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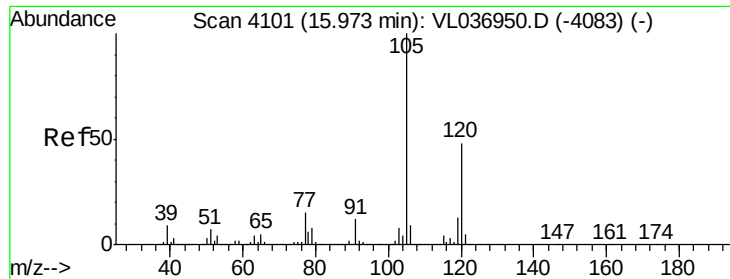
MMDadoda
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#72
 4-Ethyltoluene
 Concen: 10.579 ppbv
 RT: 15.81 min Scan# 4049
 Delta R.T. -0.01 min
 Lab File: VL037017.D
 Acq: 20 May 2021 7:31

Tgt Ion: 105 Resp: 3886445
 Ion Ratio Lower Upper
 105 100
 120 30.5 24.6 37.0
 91 12.5 9.8 14.6
 77 13.2 10.4 15.6





#73

1,3,5-Trimethylbenzene

Concen: 10.203 ppbv

RT: 15.96 min Scan# 4098

Delta R.T. -0.01 min

Lab File: VL037017.D

Acq: 20 May 2021 7:31

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:105 Resp: 3520100

Ion Ratio Lower Upper

105 100

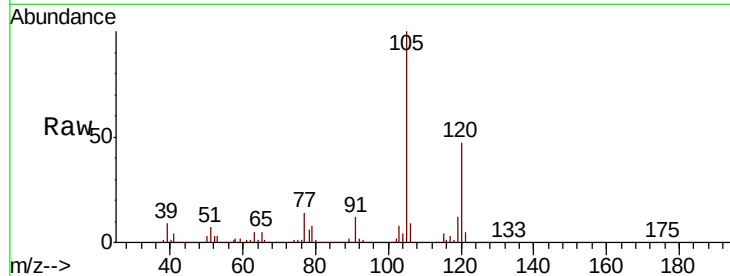
120 47.2 38.6 58.0

Manual Integrations

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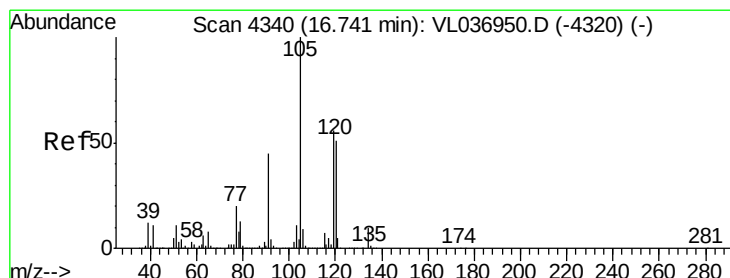
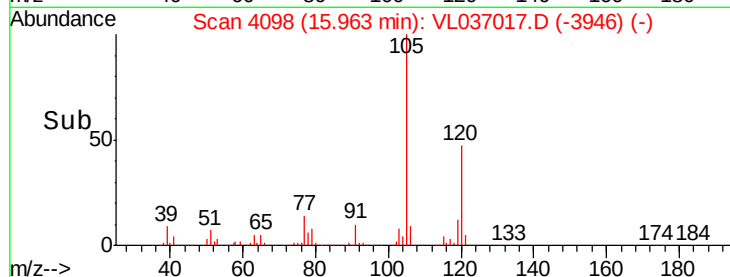
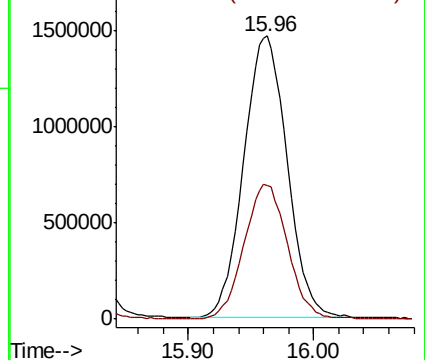
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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V



#74

1,2,4-Trimethylbenzene

Concen: 10.197 ppbv

RT: 16.73 min Scan# 4336

Delta R.T. -0.01 min

Lab File: VL037017.D

Acq: 20 May 2021 7:31

Tgt Ion:105 Resp: 3637487

Ion Ratio Lower Upper

105 100

120 49.3 40.6 61.0

91 44.0 37.4 56.0

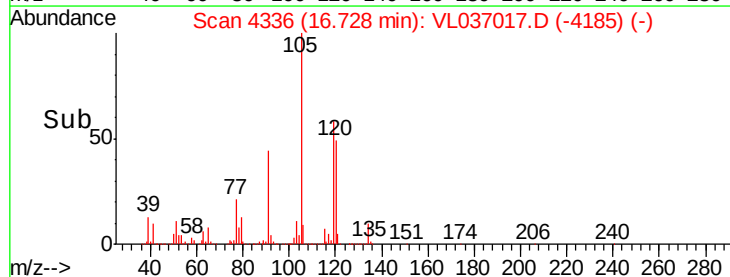
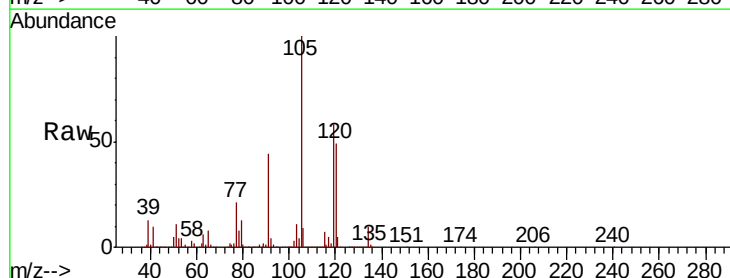
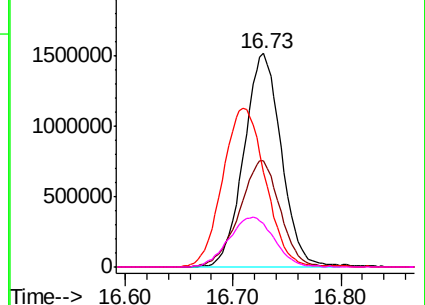
77 20.4 16.2 24.4

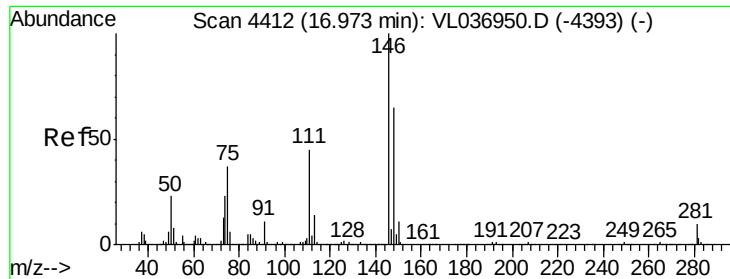
Abundance Ion 105.10 (104.80 to 105.80): V

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





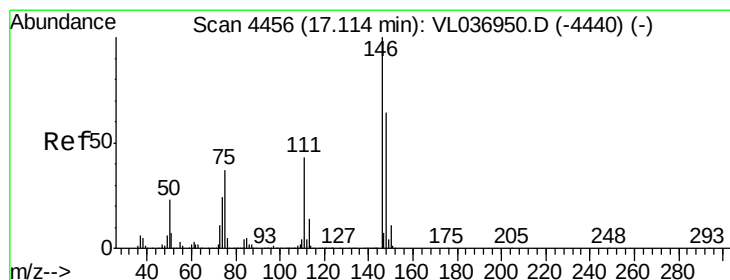
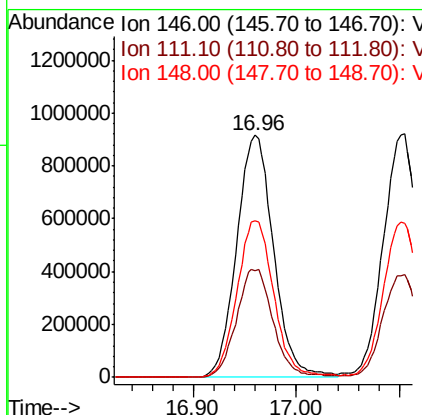
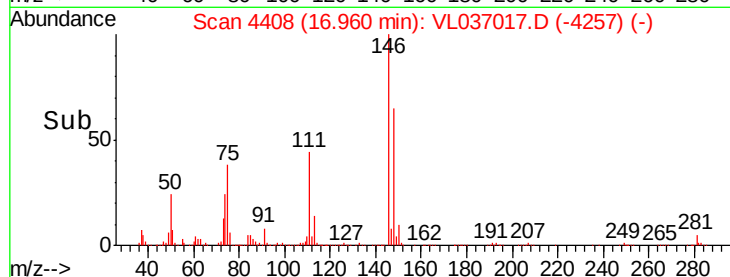
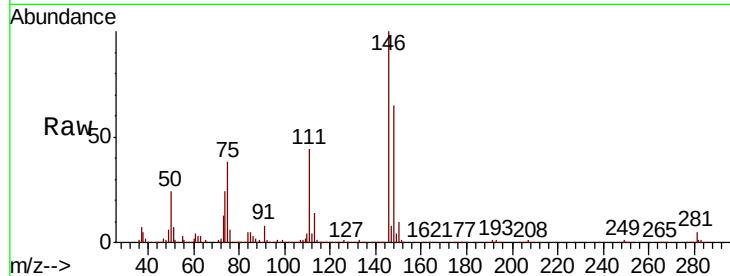
#75
 1,3-Dichlorobenzene
 Concen: 10.465 ppbv
 RT: 16.96 min Scan# 4408
 Delta R.T. -0.01 min
 Lab File: VL037017.D
 Acq: 20 May 2021 7:31

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion:146 Resp: 2279530
 Ion Ratio Lower Upper
 146 100
 111 44.5 22.2 66.6
 148 64.7 32.3 96.8

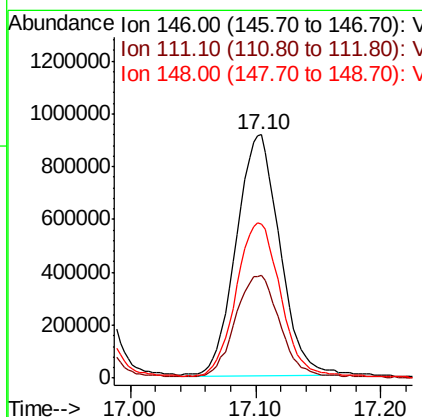
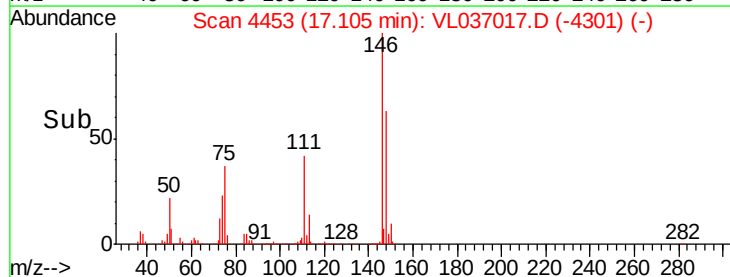
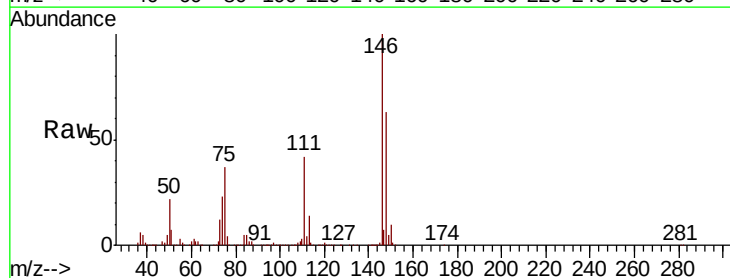
Manual Integrations
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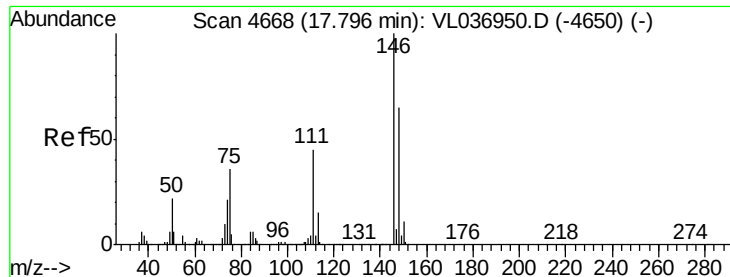
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#76
 1,4-Dichlorobenzene
 Concen: 10.075 ppbv
 RT: 17.10 min Scan# 4453
 Delta R.T. -0.01 min
 Lab File: VL037017.D
 Acq: 20 May 2021 7:31

Tgt Ion:146 Resp: 2218879
 Ion Ratio Lower Upper
 146 100
 111 44.1 22.6 67.7
 148 66.6 33.5 100.5





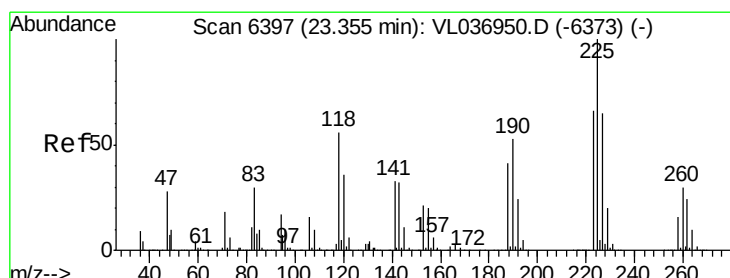
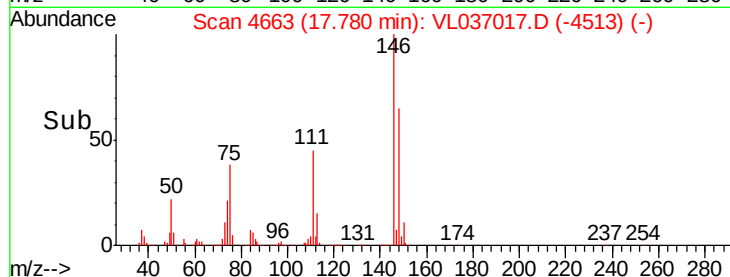
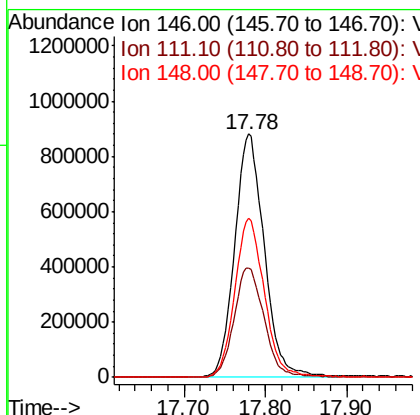
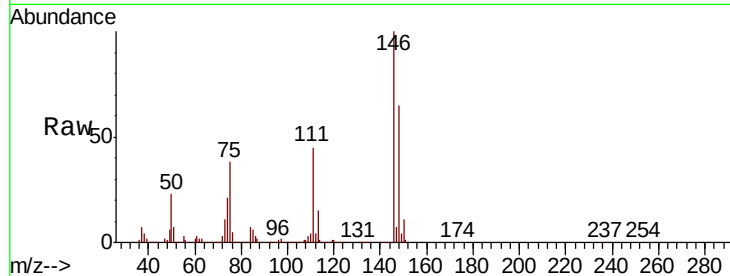
#77
 1,2-Dichlorobenzene
 Concen: 10.104 ppbv
 RT: 17.78 min Scan# 4663
 Delta R.T. -0.02 min
 Lab File: VL037017.D
 Acq: 20 May 2021 7:31

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	45.6	23.1	69.2
148	65.4	32.5	97.4

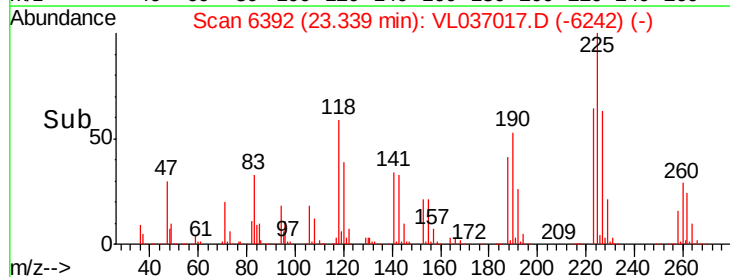
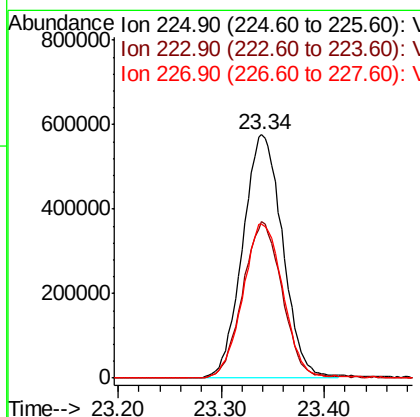
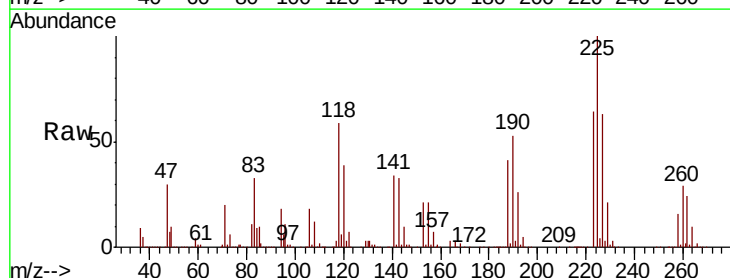
Manual Integrations
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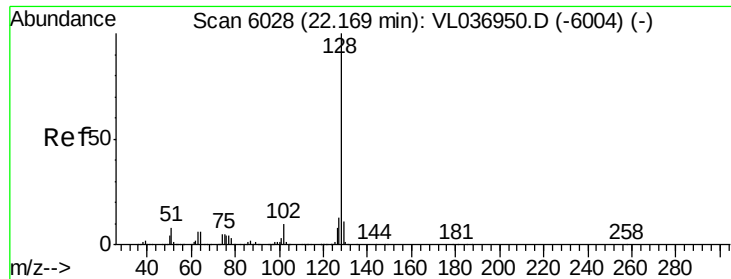
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#78
 Hexachloro-1,3-Butadiene
 Concen: 8.834 ppbv
 RT: 23.34 min Scan# 6392
 Delta R.T. -0.02 min
 Lab File: VL037017.D
 Acq: 20 May 2021 7:31

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.8	51.9	77.9
227	64.6	51.8	77.6





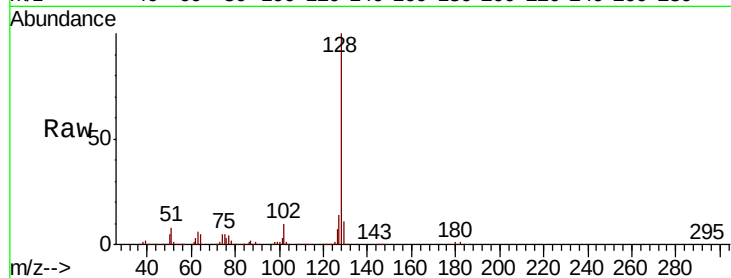
#79
Naphthalene
Concen: 11.470 ppbv
RT: 22.16 min Scan# 6024
Delta R.T. -0.01 min
Lab File: VL037017.D
Acq: 20 May 2021 7:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

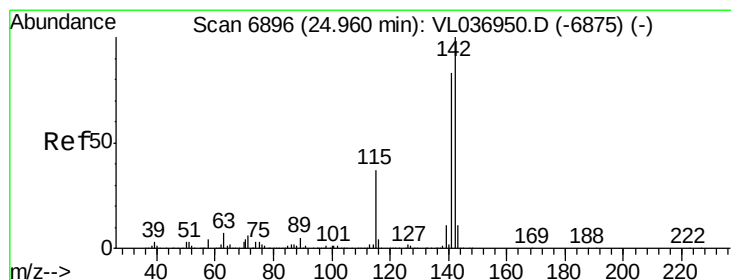
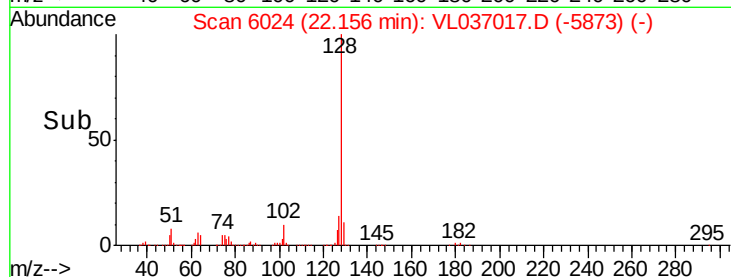
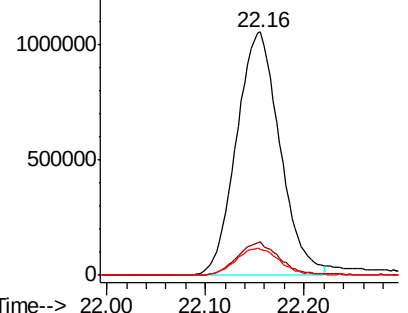
Tot Ion	Ratio	Lower	Upper
128	100		
127	13.6	10.4	15.6
129	10.7	9.0	13.6

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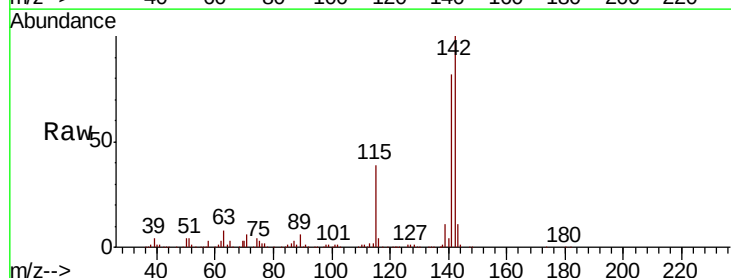


Abundance Ion 128.10 (127.80 to 128.80): V
Ion 127.10 (126.80 to 127.80): V
Ion 129.10 (128.80 to 129.80): V

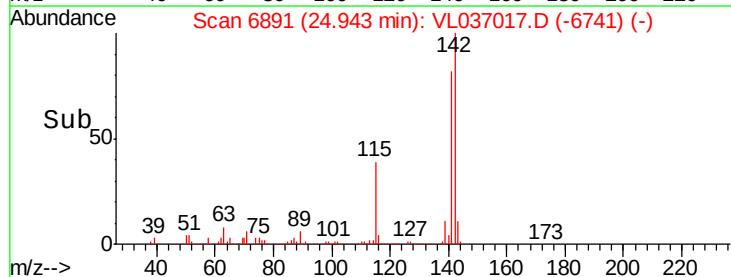
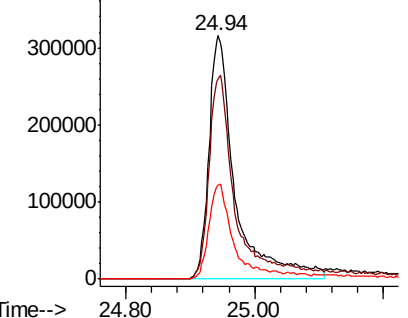


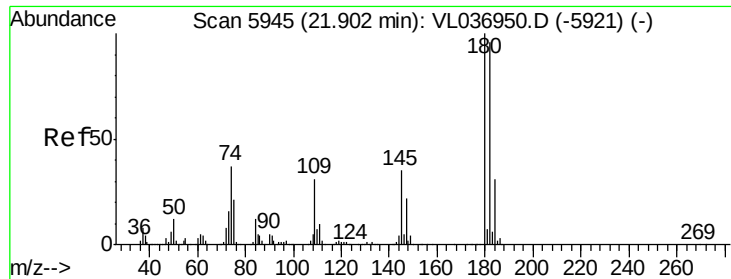
#80
Naphthalene, 2-methyl-
Concen: 14.792 ppbv
RT: 24.94 min Scan# 6891
Delta R.T. -0.02 min
Lab File: VL037017.D
Acq: 20 May 2021 7:31

Tgt Ion	Ratio	Lower	Upper
142	100		
141	85.3	69.3	103.9
115	38.4	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: 10.706 ppbv
 RT: 21.88 min Scan# 5939
 Delta R.T. -0.02 min
 Lab File: VL037017.D
 Acq: 20 May 2021 7:31

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
180	100		
182	100.3	81.7	122.5
184	31.5	24.9	37.3

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