

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL052021\
 Data File : VL037019.D
 Acq On : 20 May 2021 9:26
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Manual Integrations
 APPROVED

MMDadoda
 5/24/2021 3:23:34 PM

Quant Time: May 21 01:43:51 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	1267302	10.00	ppbv	-0.01
33) 1,4-Difluorobenzene	7.14	114	3759436	10.00	ppbv	-0.01
55) Chlorobenzene-d5	12.05	117	3622749m	10.00	ppbv	-0.02

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.37	95	2663523	9.79	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.90%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.02	85	1828142	8.503	ppbv	99
3) Chlorodifluoromethane	2.96	51	2110435	9.090	ppbv	99
4) Chloromethane	3.12	50	722150	9.141	ppbv	97
5) Vinyl Chloride	3.23	62	792153	9.173	ppbv	100
6) Bromomethane	3.45	94	438645	9.639	ppbv	99
7) Chloroethane	3.53	64	282731	10.083	ppbv	97
8) Dichlorotetrafluoroethane	3.16	85	1929607	9.559	ppbv	98
9) Propene	2.99	41	720279	8.664	ppbv	100
10) Heptane	8.09	43	1815269	8.761	ppbv	100
11) Trichlorofluoromethane	3.92	101	1971082	9.905	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.46	101	1389944	9.806	ppbv	98
13) Ethanol	3.59	45	83720m	7.547	ppbv	
14) Bromoethene	3.71	108	598838	9.592	ppbv	98
15) Acetone	3.83	43	1017275	7.837	ppbv	97
16) 1,3-Butadiene	3.30	39	773678	9.594	ppbv	98
17) tert-Butyl alcohol	4.27	59	943855	7.938	ppbv	98
18) 1,1-Dichloroethene	4.26	96	632714	9.653	ppbv	96
19) Isopropyl Alcohol	3.94	45	576161	8.257	ppbv #	35
20) Methylene Chloride	4.31	84	529801	7.614	ppbv	98
21) Allyl Chloride	4.38	41	910889	9.302	ppbv	98
22) trans-1,2-Dichloroethene	4.85	96	627901	9.996	ppbv	97
23) Vinyl Acetate	5.04	43	1864457	9.049	ppbv	99
24) 1,1-Dichloroethane	4.98	63	1385373	9.342	ppbv	100
25) Ethyl Acetate	5.65	43	2806162	8.996	ppbv	99
26) Hexane	5.65	57	1369803	8.596	ppbv	99
27) Carbon Disulfide	4.52	76	1443462	8.988	ppbv	99
28) Methyl tert-Butyl Ether	5.01	73	1662616	8.705	ppbv	100
29) Chloroform	5.72	83	2098099	9.320	ppbv	98
30) Cyclohexane	7.09	84	1201836	8.875	ppbv	99
31) cis-1,2-Dichloroethene	5.52	61	1357937	9.505	ppbv	98
32) 1,1,1-Trichloroethane	6.48	97	2126045	8.795	ppbv	98
34) 2-Butanone	5.21	43	1295313	9.462	ppbv	100
35) Carbon Tetrachloride	6.99	117	2207425	8.837	ppbv	99
36) Benzene	6.86	78	2839442	8.769	ppbv	99
37) 1,2-Dichloroethane	6.28	62	1541249	9.600	ppbv	99
38) Trichloroethene	7.80	130	1159074	8.367	ppbv	98
39) 1,2-Dichloropropane	7.58	63	1093718	8.768	ppbv	98
40) 1,4-Dioxane	7.80	88	226803	7.700	ppbv #	100
41) Tetrahydrofuran	6.02	42	648311	8.315	ppbv	96
42) Bromodichloromethane	7.76	83	2246394	9.249	ppbv	100
43) Methyl Methacrylate	7.98	69	1024829	9.182	ppbv	99

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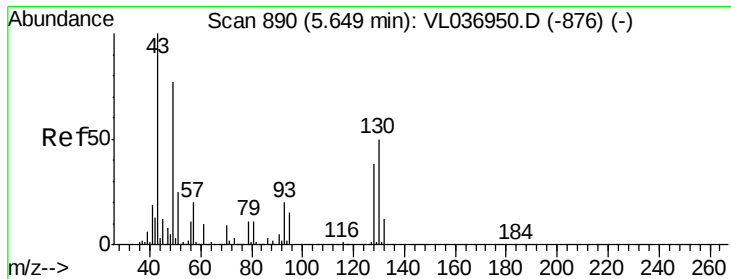
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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL051821AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue May 18 2021
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.83	57	4712360	8.482	ppbv	99
45) t-1,3-Dichloropropene	9.24	75	781314	9.163	ppbv	99
46) cis-1,3-Dichloropropene	8.66	75	1016671	8.864	ppbv	98
47) 1,1,2-Trichloroethane	9.44	97	1178468	9.026	ppbv	97
48) Dibromochloromethane	10.27	129	2033834	9.621	ppbv	99
49) Bromoform	13.00	173	1691686	9.690	ppbv	99
50) 4-Methyl-2-Pentanone	8.71	43	2048143	9.067	ppbv	99
51) 2-Hexanone	10.10	43	1116575	9.350	ppbv #	96
52) Tetrachloroethene	11.19	164	1137105	8.831	ppbv	98
53) Toluene	9.77	91	3395208	8.812	ppbv	98
54) 1,2-Dibromoethane	10.57	107	1736674	9.356	ppbv	100
56) 1,1,1,2-Tetrachloroethane	12.09	131	1380374	9.056	ppbv #	55
57) Chlorobenzene	12.11	112	2533780	9.020	ppbv	99
58) Ethyl Benzene	12.67	91	4505950	8.812	ppbv	99
59) m/p-Xylene	12.96	91	7499557m	17.744	ppbv	
60) o-Xylene	13.65	91	3551646	8.811	ppbv	99
61) Styrene	13.49	104	2125668	9.360	ppbv	99
62) Isopropylbenzene	14.63	105	5052684	8.722	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.64	83	2426962	8.062	ppbv	99
64) n-propylbenzene	15.52	120	1375482	9.203	ppbv	98
65) tert-Butylbenzene	16.71	119	4609194	8.817	ppbv	99
66) Benzyl Chloride	16.95	91	167588	5.778	ppbv	97
67) sec-Butylbenzene	17.26	105	6266050	8.787	ppbv	100
69) p-Isopropyltoluene	17.62	119	5487183	8.949	ppbv	99
70) n-Butylbenzene	18.51	91	5374289	9.227	ppbv	99
71) 2-Chlorotoluene	15.41	91	3731728	8.919	ppbv	99
72) 4-Ethyltoluene	15.80	105	4458878	9.320	ppbv	99
73) 1,3,5-Trimethylbenzene	15.96	105	4075191	9.071	ppbv	100
74) 1,2,4-Trimethylbenzene	16.73	105	4211919	9.067	ppbv	99
75) 1,3-Dichlorobenzene	16.96	146	2581898	9.102	ppbv	100
76) 1,4-Dichlorobenzene	17.10	146	2558255	8.920	ppbv	99
77) 1,2-Dichlorobenzene	17.78	146	2563389	9.019	ppbv	100
78) Hexachloro-1,3-Butadiene	23.34	225	1843270	8.065	ppbv	100
79) Naphthalene	22.15	128	3719639	10.205	ppbv	99
80) Naphthalene, 2-methyl-	24.95	142	806751	10.179	ppbv	98
81) 1,2,4-Trichlorobenzene	21.89	180	2110296	9.498	ppbv	99

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.64 min Scan# 886

Delta R.T. -0.01 min

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Instrument :

MSVOA_L

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VSTDCCC010

Tot Ion: 49 Resp: 1267302

Ion Ratio Lower Upper

49 100

128 56.7 26.9 80.7

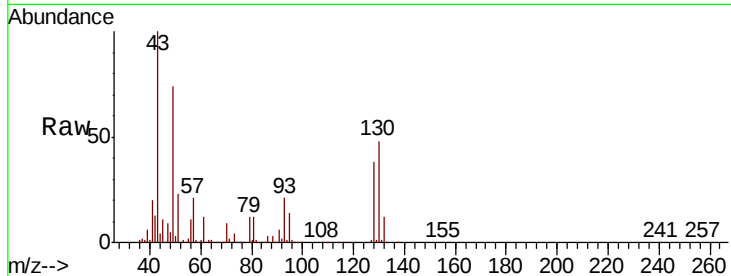
130 69.8 33.8 101.4

Manual Integrations

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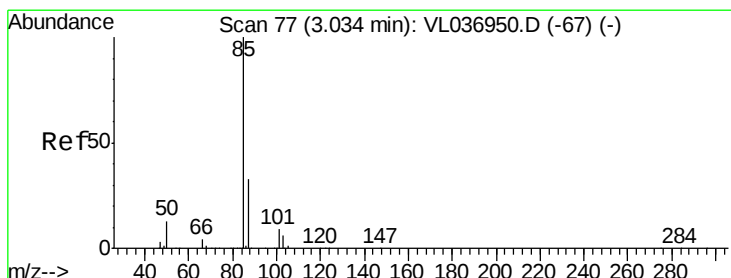
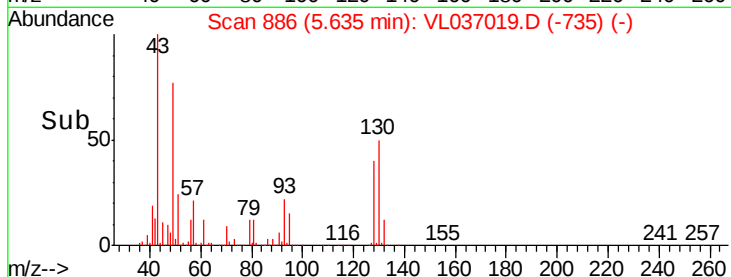
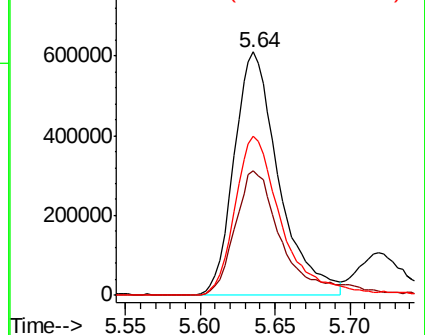
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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 8.503 ppbv

RT: 3.02 min Scan# 74

Delta R.T. -0.01 min

Lab File: VL037019.D

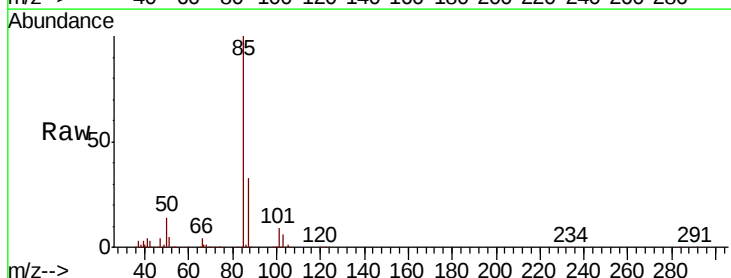
Acq: 20 May 2021 9:26

Tgt Ion: 85 Resp: 1828142

Ion Ratio Lower Upper

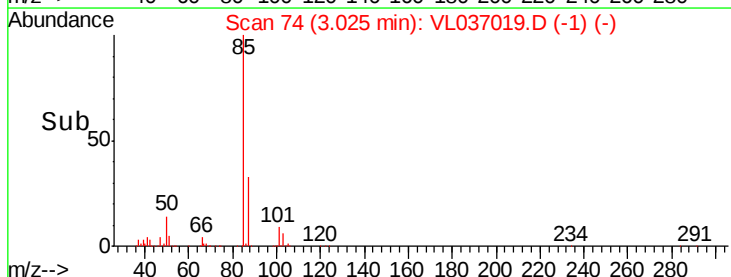
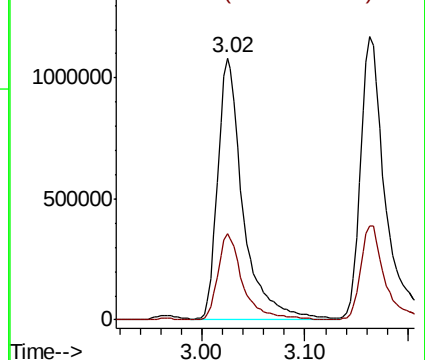
85 100

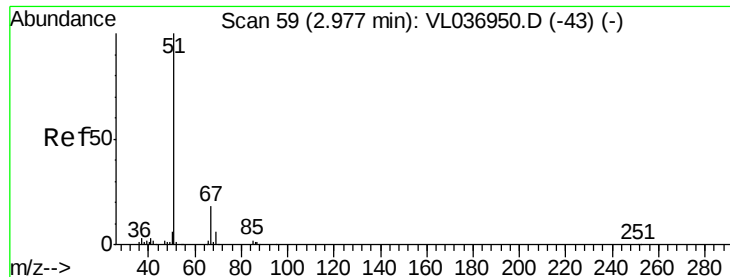
87 32.9 26.6 39.8



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 9.090 ppbv

RT: 2.96 min Scan# 55

Delta R.T. -0.01 min

Lab File: VL037019.D

Acq: 20 May 2021 9:26

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 51 Resp: 2110435

Ion Ratio Lower Upper

51 100

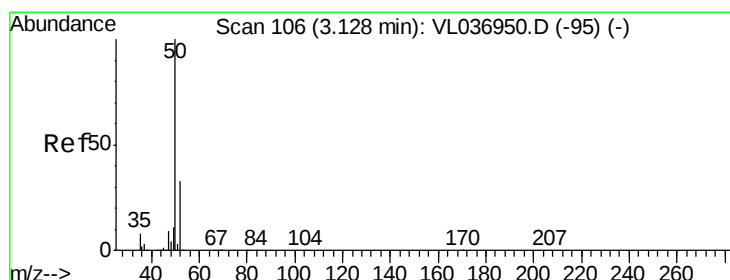
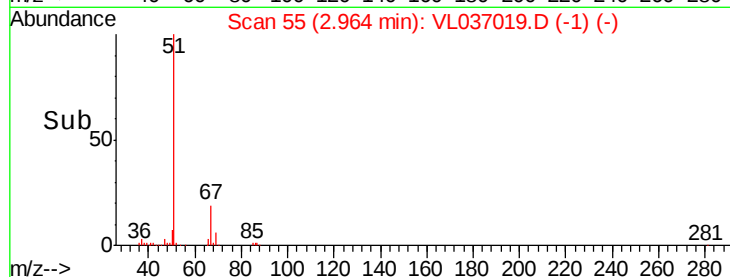
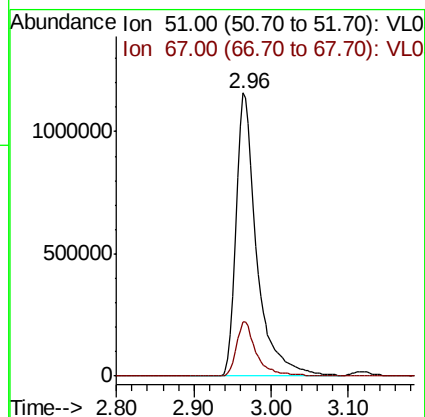
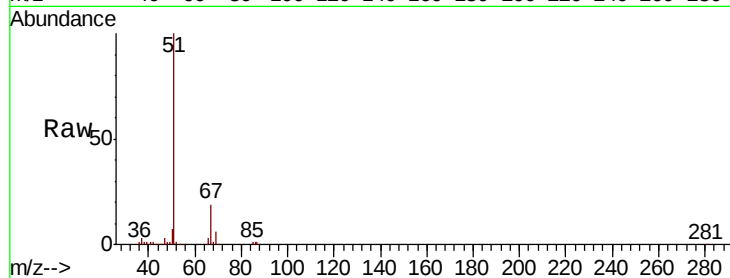
67 18.9 14.6 21.8

Manual Integrations

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#4

Chloromethane

Concen: 9.141 ppbv

RT: 3.12 min Scan# 103

Delta R.T. -0.01 min

Lab File: VL037019.D

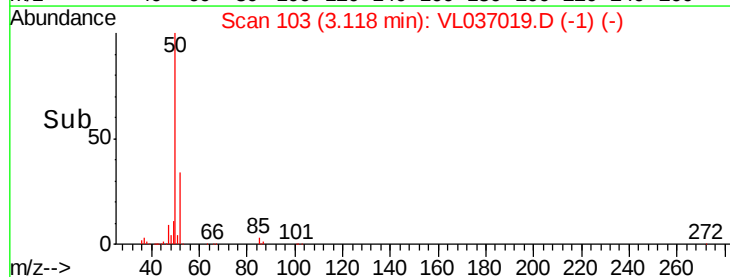
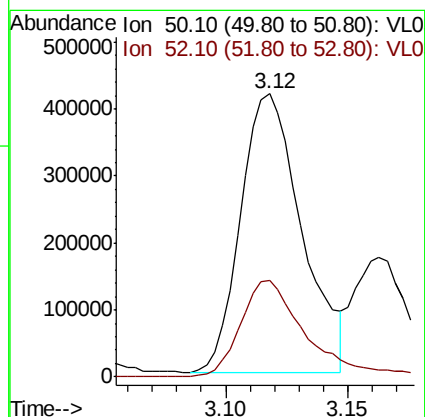
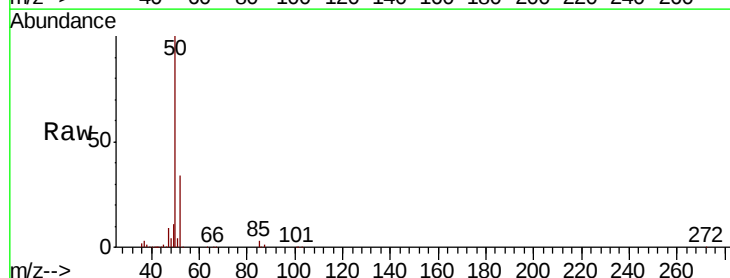
Acq: 20 May 2021 9:26

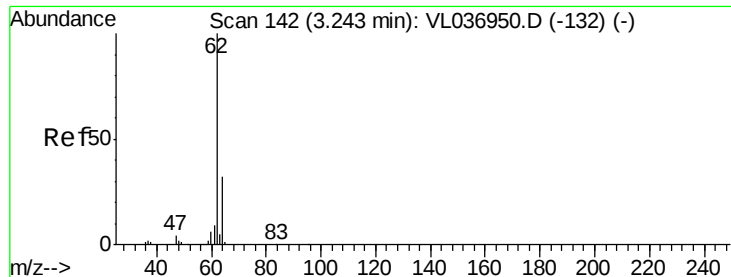
Tgt Ion: 50 Resp: 722150

Ion Ratio Lower Upper

50 100

52 34.4 26.1 39.1





#5

Vinyl Chloride

Concen: 9.173 ppbv

RT: 3.23 min Scan# 139

Delta R.T. -0.01 min

Lab File: VL037019.D

Acq: 20 May 2021 9:26

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 62 Resp: 792153

Ion Ratio Lower Upper

62 100

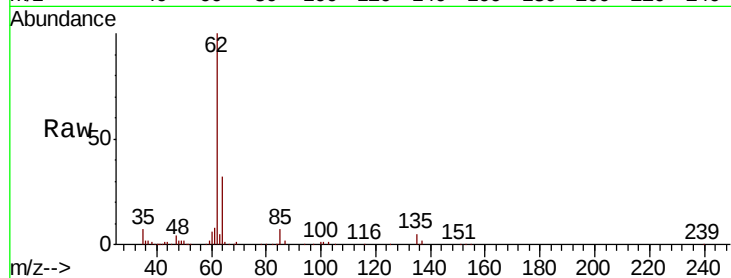
64 32.5 25.9 38.9

Manual Integrations

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Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0

3.23

400000

300000

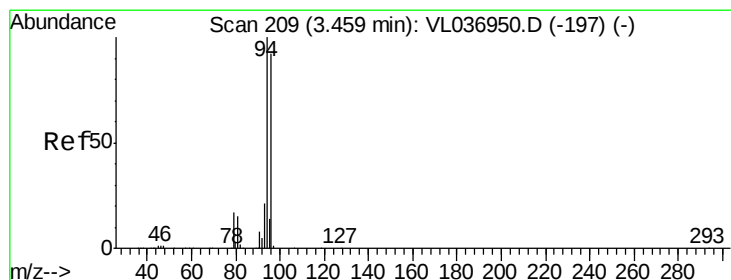
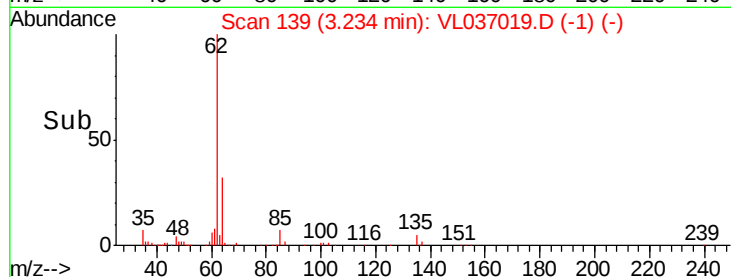
200000

100000

0

3.15 3.20 3.25 3.30 3.35

Time-->



#6

Bromomethane

Concen: 9.639 ppbv

RT: 3.45 min Scan# 207

Delta R.T. -0.01 min

Lab File: VL037019.D

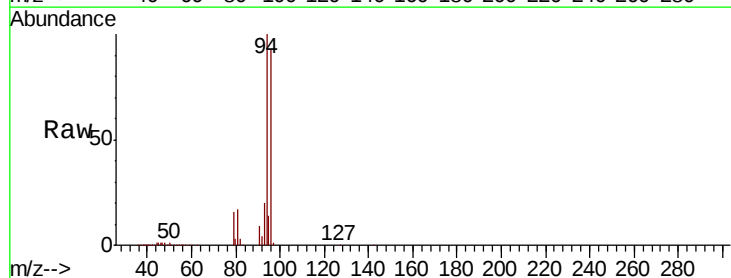
Acq: 20 May 2021 9:26

Tgt Ion: 94 Resp: 438645

Ion Ratio Lower Upper

94 100

96 93.2 74.0 111.0



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0

3.45

250000

200000

150000

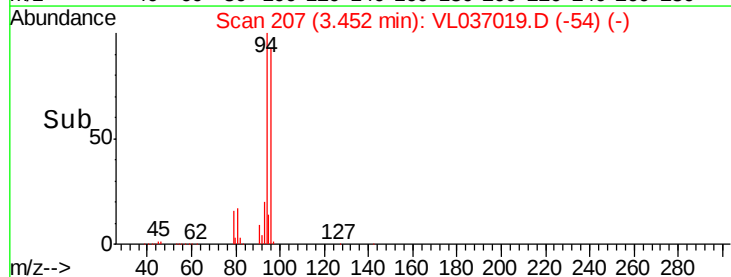
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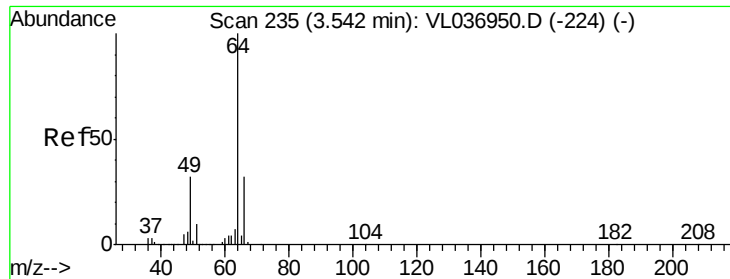
50000

0

3.40 3.45 3.50 3.55

Time-->





#7

Chloroethane

Concen: 10.083 ppbv

RT: 3.53 min Scan# 231

Delta R.T. -0.01 min

Lab File: VL037019.D

Acq: 20 May 2021 9:26

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 64 Resp: 282731

Ion Ratio Lower Upper

64 100

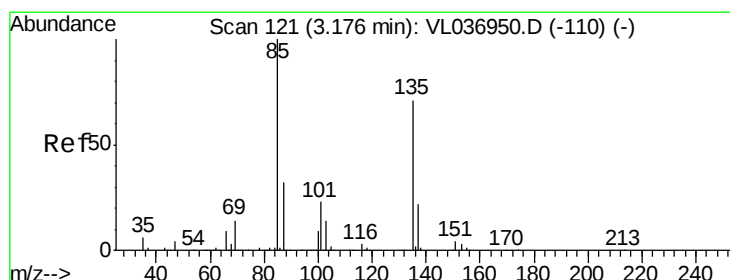
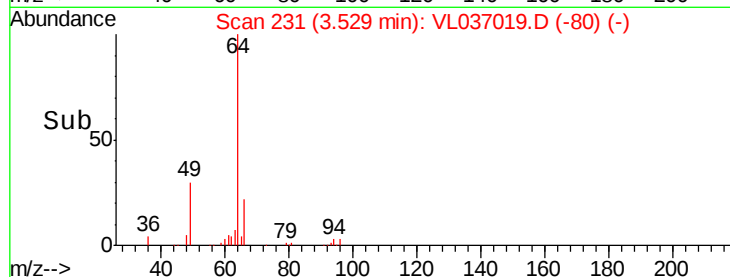
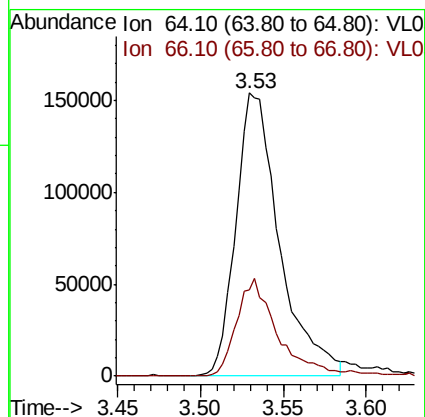
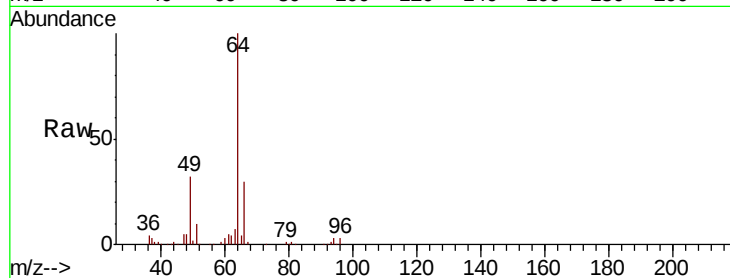
66 30.3 25.4 38.2

Manual Integrations

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#8

Dichlorotetrafluoroethane

Concen: 9.559 ppbv

RT: 3.16 min Scan# 117

Delta R.T. -0.01 min

Lab File: VL037019.D

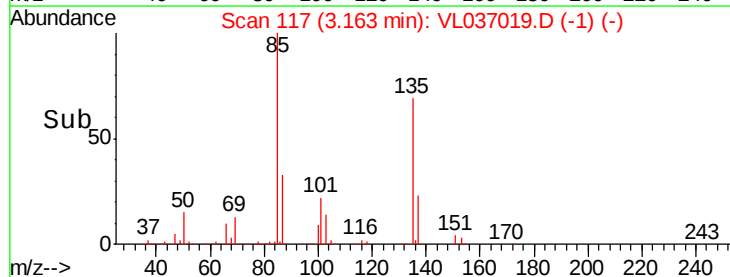
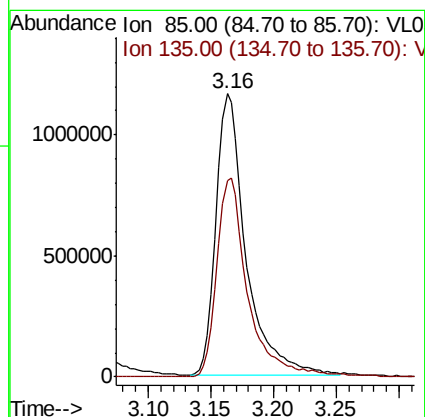
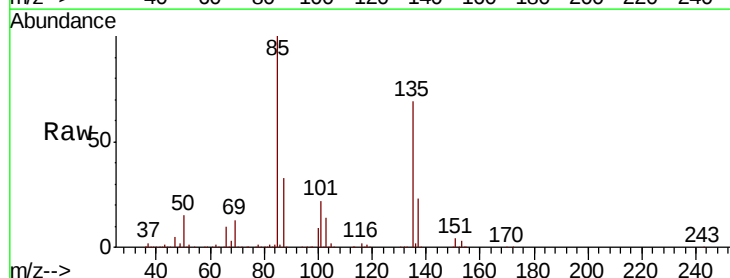
Acq: 20 May 2021 9:26

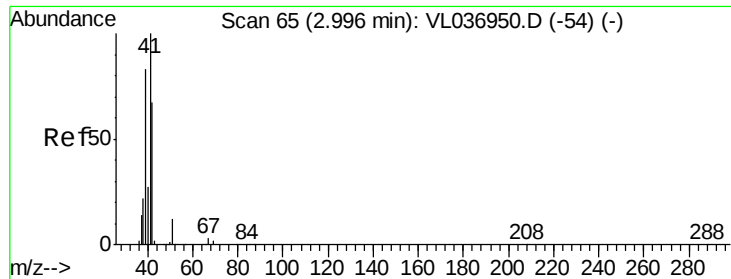
Tgt Ion: 85 Resp: 1929607

Ion Ratio Lower Upper

85 100

135 74.1 57.7 86.5





#9

Propene

Concen: 8.664 ppbv

RT: 2.99 min Scan# 62

Delta R.T. -0.01 min

Lab File: VL037019.D

Acq: 20 May 2021 9:26

Instrument :

MSVOA_L

ClientSampleId :

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Tot Ion: 41 Resp: 720279

Ion Ratio Lower Upper

41 100

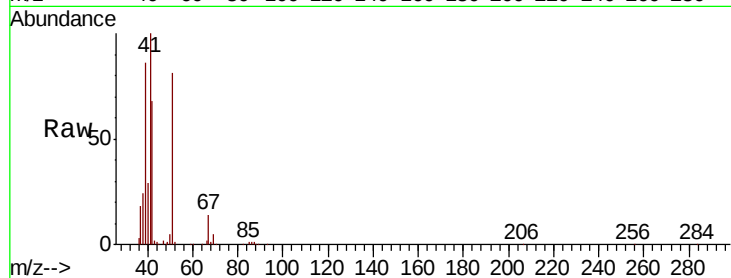
42 67.7 53.9 80.9

Manual Integrations

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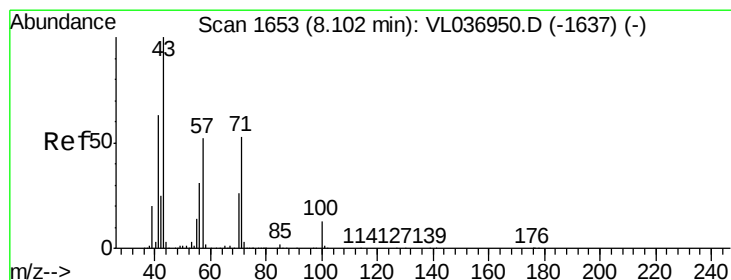
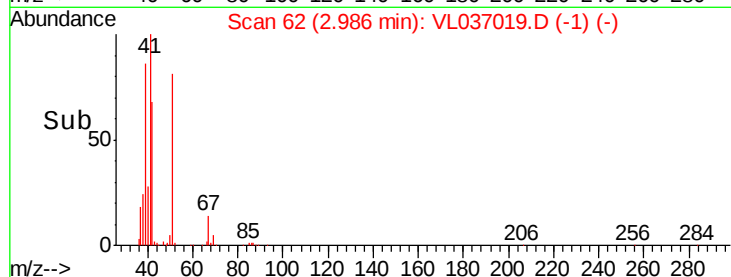
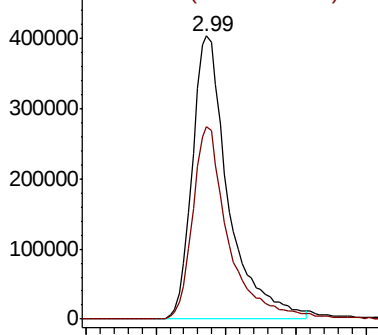
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Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0



#10

Heptane

Concen: 8.761 ppbv

RT: 8.09 min Scan# 1649

Delta R.T. -0.01 min

Lab File: VL037019.D

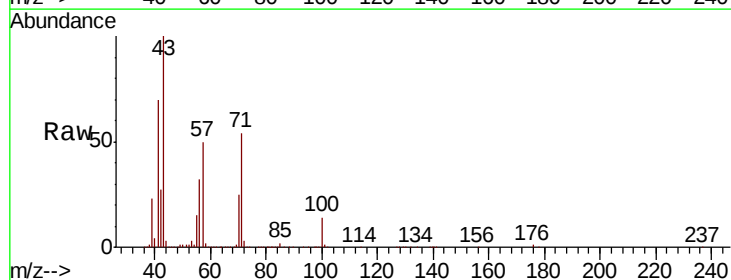
Acq: 20 May 2021 9:26

Tgt Ion: 43 Resp: 1815269

Ion Ratio Lower Upper

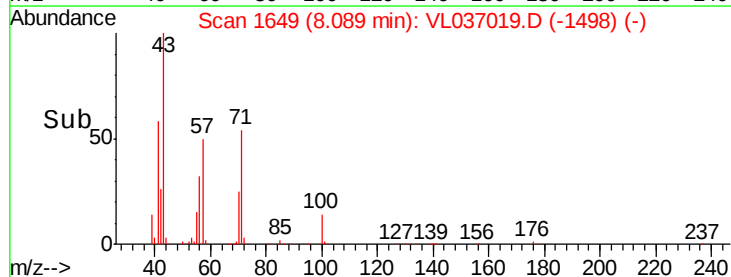
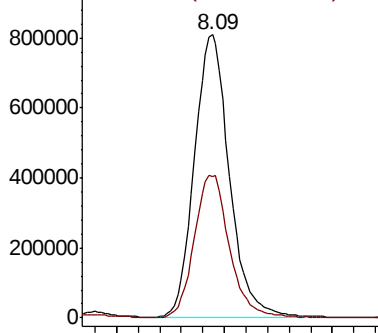
43 100

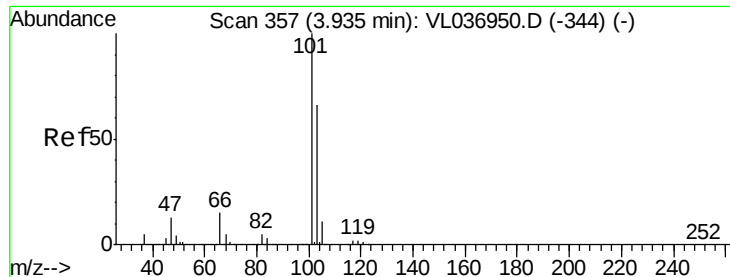
57 51.3 41.0 61.6



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





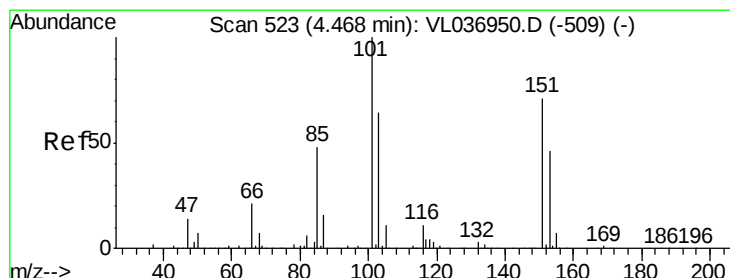
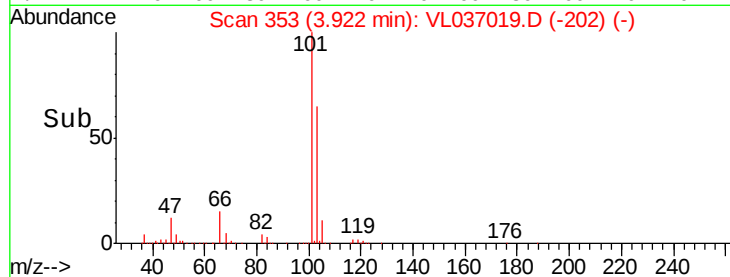
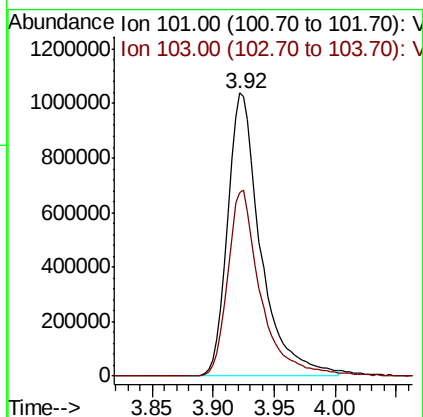
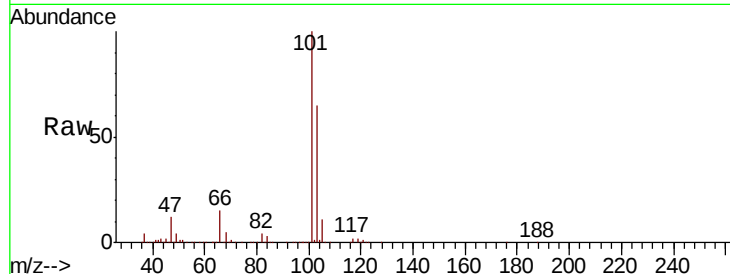
#11
 Trichlorofluoromethane
 Concen: 9.905 ppbv
 RT: 3.92 min Scan# 353
 Delta R.T. -0.01 min
 Lab File: VL037019.D
 Acq: 20 May 2021 9:26

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion:101 Resp: 1971082
 Ion Ratio Lower Upper
 101 100
 103 64.8 52.6 79.0

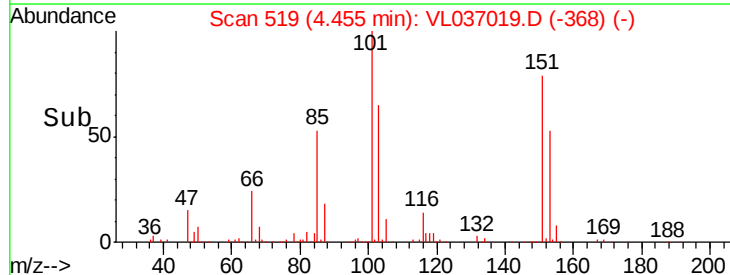
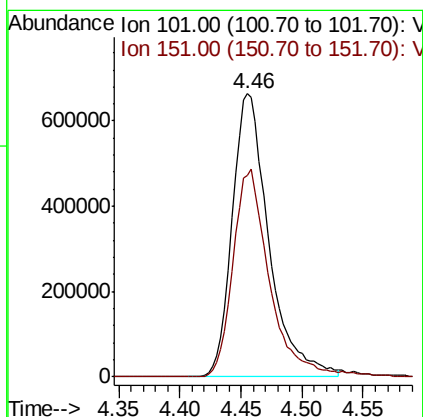
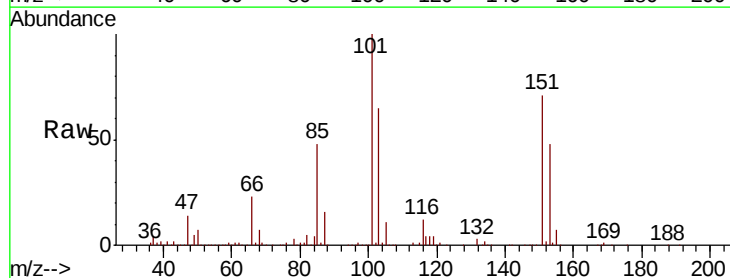
Manual Integrations
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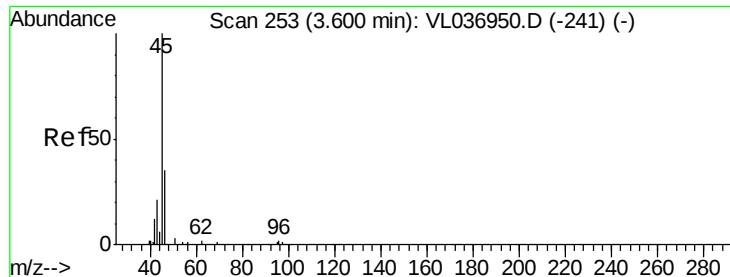
MMDadoda
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#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.806 ppbv
 RT: 4.46 min Scan# 519
 Delta R.T. -0.01 min
 Lab File: VL037019.D
 Acq: 20 May 2021 9:26

Tgt Ion:101 Resp: 1389944
 Ion Ratio Lower Upper
 101 100
 151 73.6 57.7 86.5





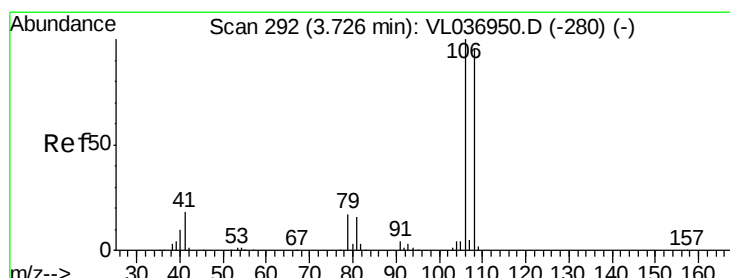
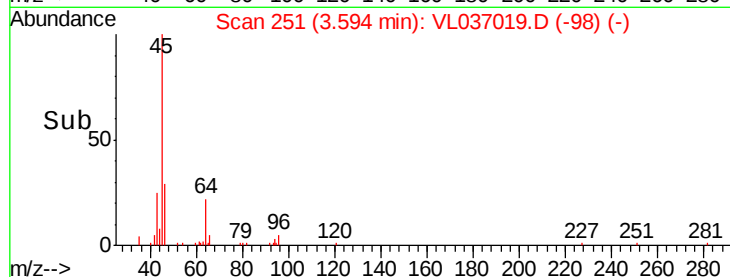
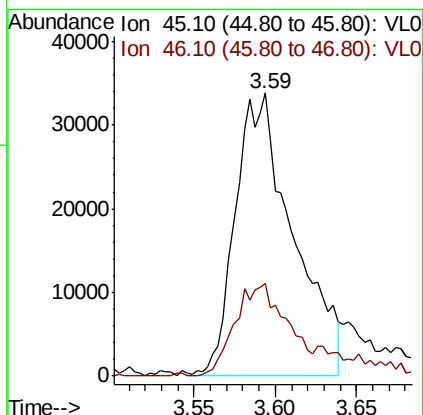
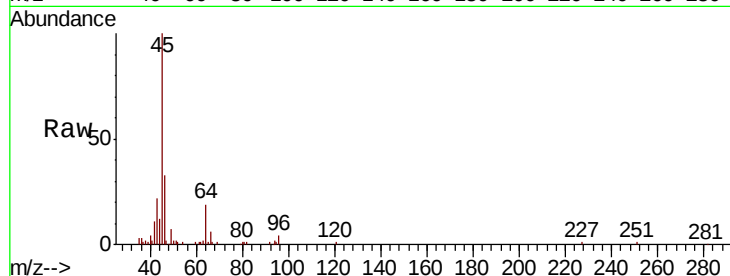
#13
Ethanol
Concen: 7.547 ppbv m
RT: 3.59 min Scan# 251
Delta R.T. -0.01 min
Lab File: VL037019.D
Acq: 20 May 2021 9:26

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
45	100		
46	38.1	16.3	65.3

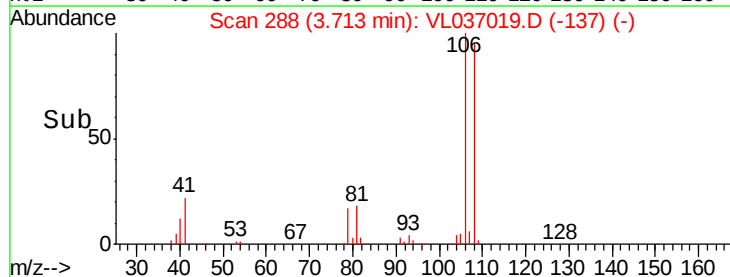
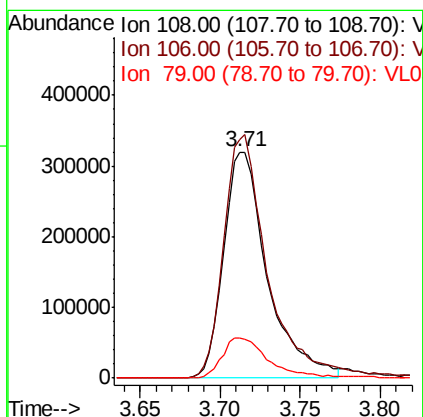
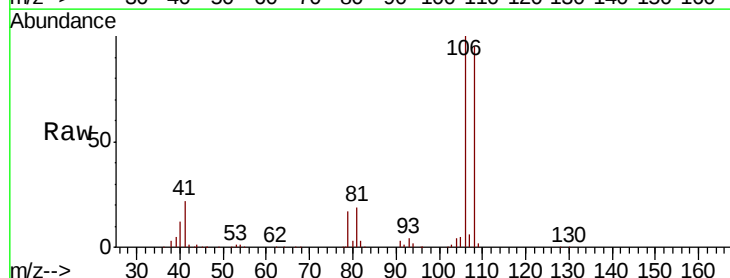
Manual Integrations
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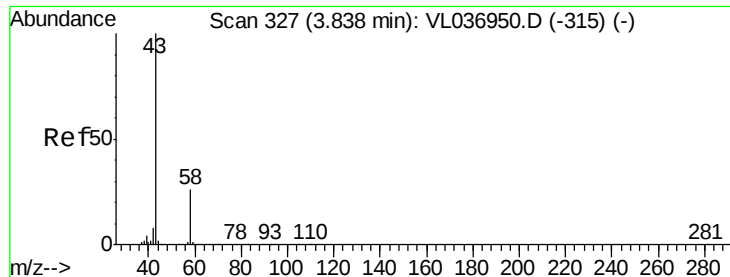
MMDadoda
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#14
Bromoethene
Concen: 9.592 ppbv
RT: 3.71 min Scan# 288
Delta R.T. -0.01 min
Lab File: VL037019.D
Acq: 20 May 2021 9:26

Tgt Ion	Ratio	Lower	Upper
108	100		
106	110.0	86.5	129.7
79	19.5	15.0	22.4





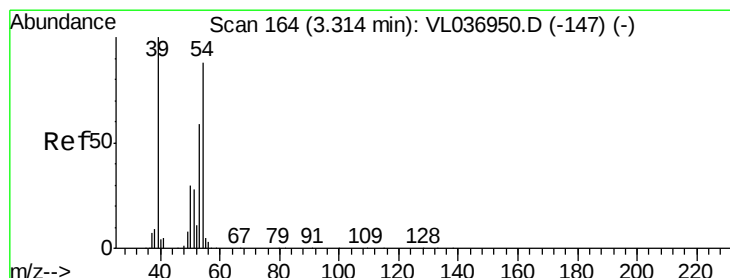
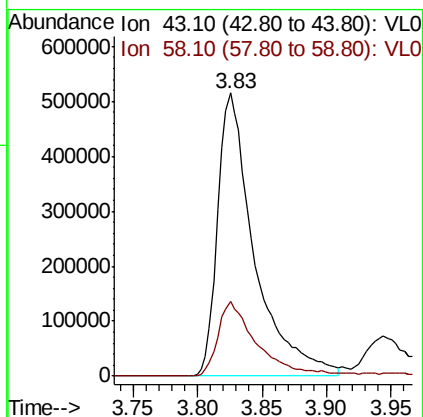
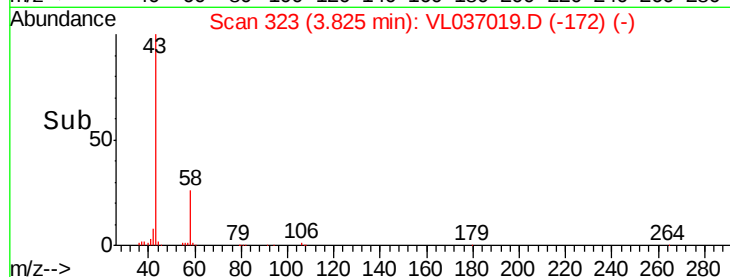
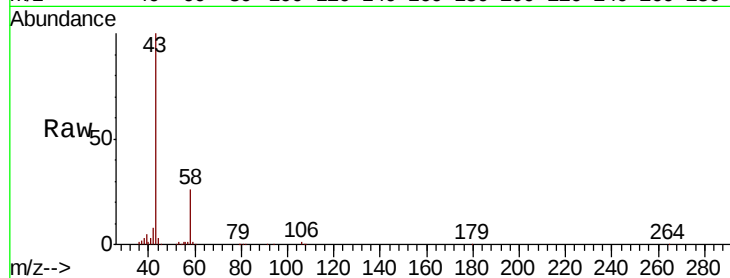
#15
Acetone
Concen: 7.837 ppbv
RT: 3.83 min Scan# 323
Delta R.T. -0.01 min
Lab File: VL037019.D
Acq: 20 May 2021 9:26

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 43 Resp: 1017275
Ion Ratio Lower Upper
43 100
58 28.3 24.0 36.0

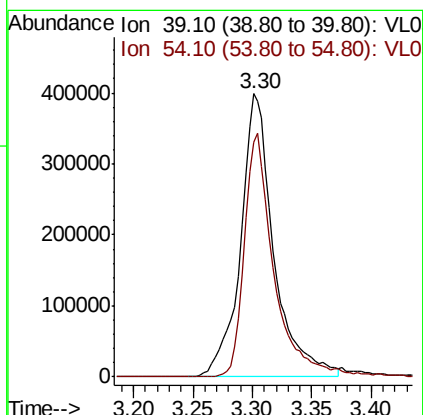
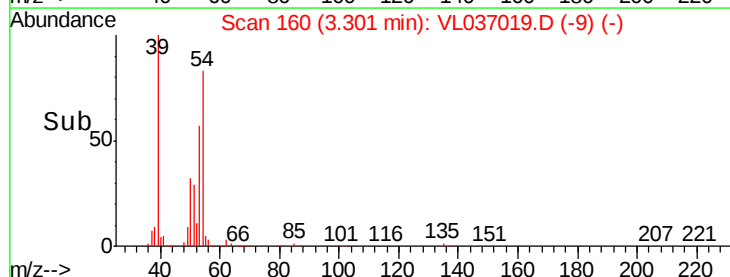
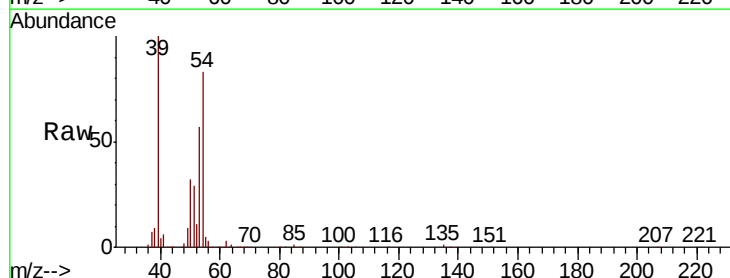
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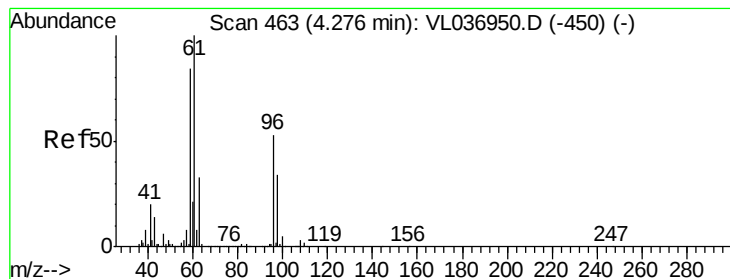
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#16
1,3-Butadiene
Concen: 9.594 ppbv
RT: 3.30 min Scan# 160
Delta R.T. -0.01 min
Lab File: VL037019.D
Acq: 20 May 2021 9:26

Tgt Ion: 39 Resp: 773678
Ion Ratio Lower Upper
39 100
54 77.6 63.2 94.8





#17

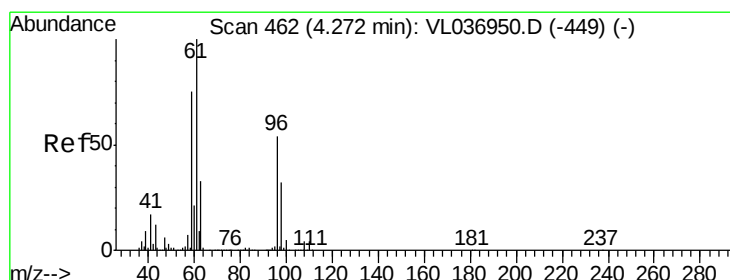
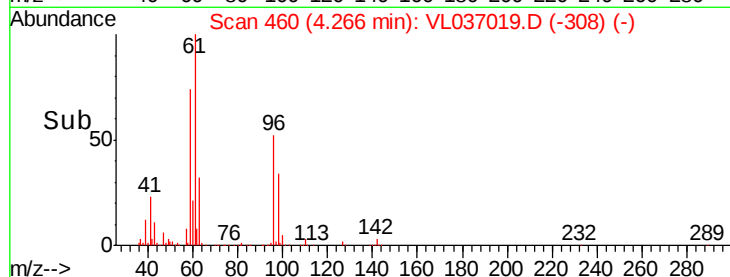
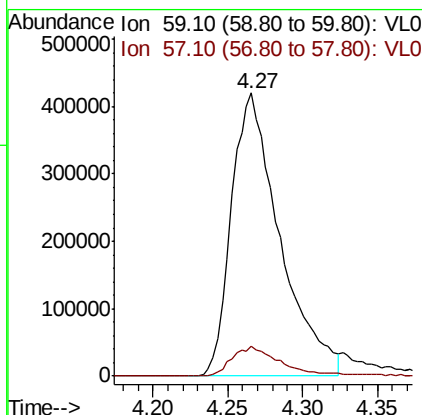
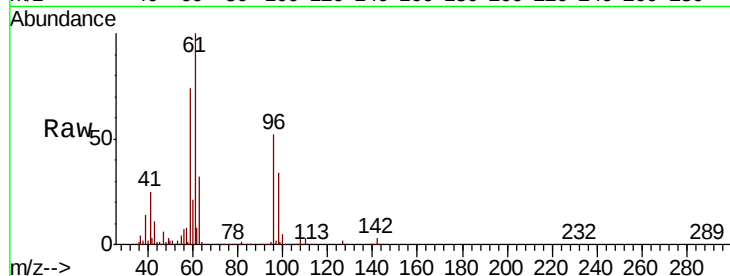
tert-Butyl alcohol
Concen: 7.938 ppbv
RT: 4.27 min Scan# 460
Delta R.T. -0.01 min
Lab File: VL037019.D
Acq: 20 May 2021 9:26

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
59	100		
57	11.2	8.3	12.5

Manual Integrations
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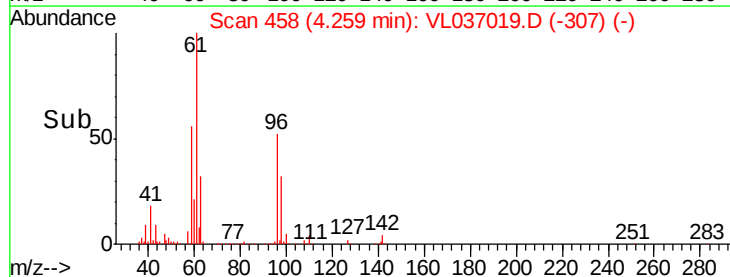
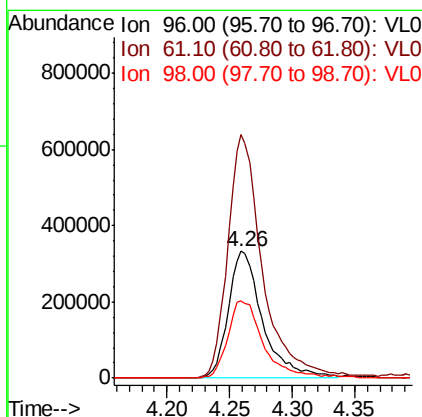
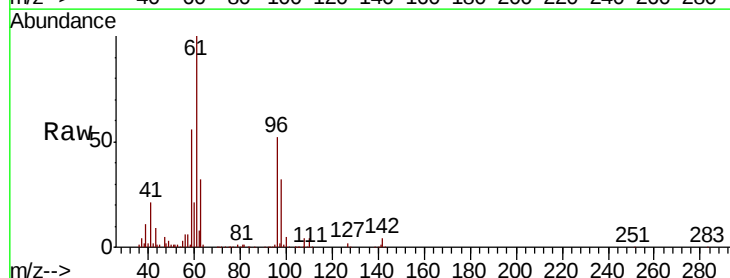
MMDadoda
5/24/2021 3:23:34 PM

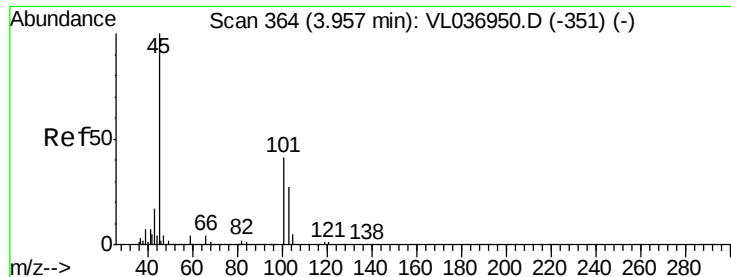


#18

1,1-Dichloroethene
Concen: 9.653 ppbv
RT: 4.26 min Scan# 458
Delta R.T. -0.01 min
Lab File: VL037019.D
Acq: 20 May 2021 9:26

Tgt Ion	Ratio	Lower	Upper
96	100		
61	192.0	148.2	222.4
98	61.4	47.8	71.6





#19

Isopropyl Alcohol

Concen: 8.257 ppbv

RT: 3.94 min Scan# 360

Delta R.T. -0.01 min

Lab File: VL037019.D

Acq: 20 May 2021 9:26

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 45 Resp: 576161

Ion Ratio Lower Upper

45 100

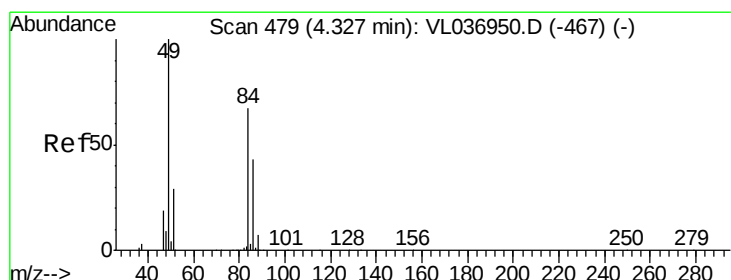
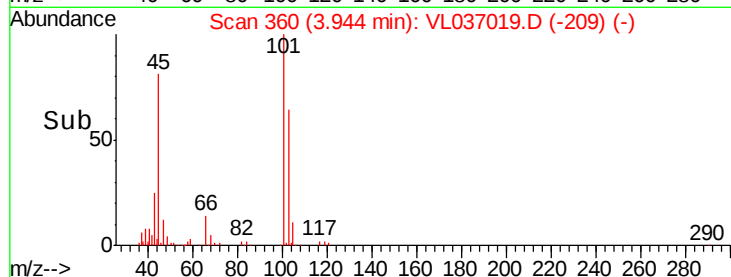
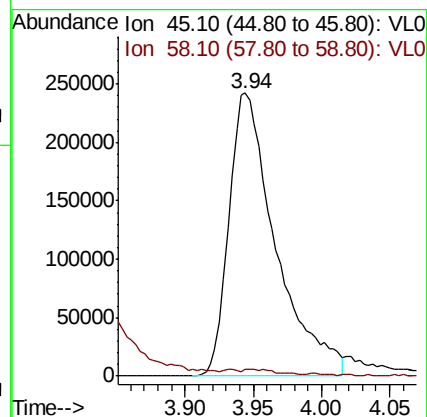
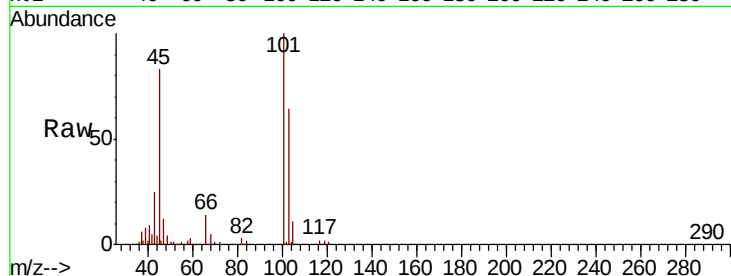
58 3.3 37.2 55.8#

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#20

Methylene Chloride

Concen: 7.614 ppbv

RT: 4.31 min Scan# 475

Delta R.T. -0.01 min

Lab File: VL037019.D

Acq: 20 May 2021 9:26

Tgt Ion: 84 Resp: 529801

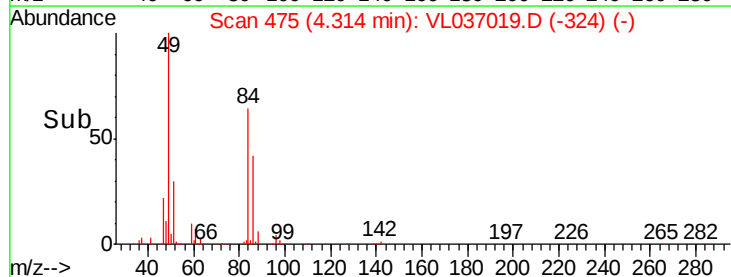
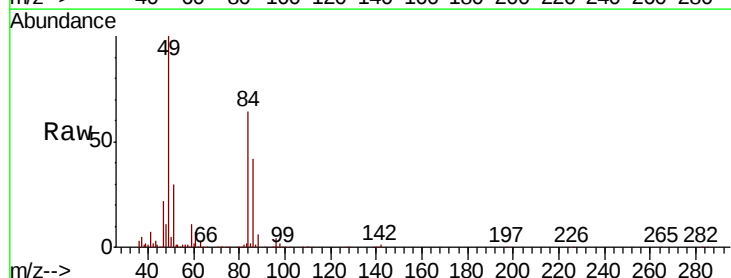
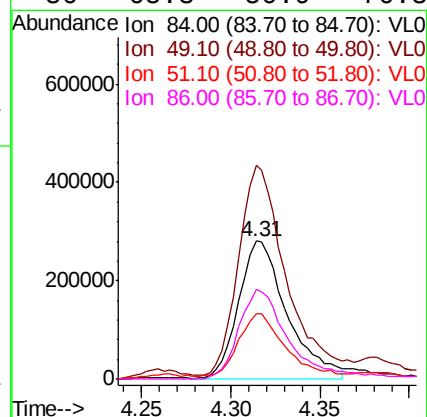
Ion Ratio Lower Upper

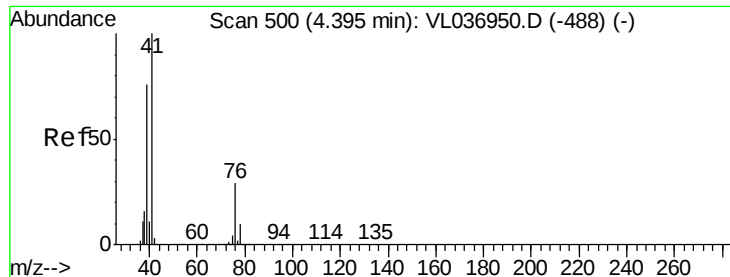
84 100

49 152.4 119.8 179.6

51 45.2 35.1 52.7

86 65.3 50.9 76.3





#21

Allvl Chloride

Concen: 9.302 ppbv

RT: 4.38 min Scan# 497

Delta R.T. -0.01 min

Lab File: VL037019.D

Acq: 20 May 2021 9:26

Instrument :

MSVOA_L

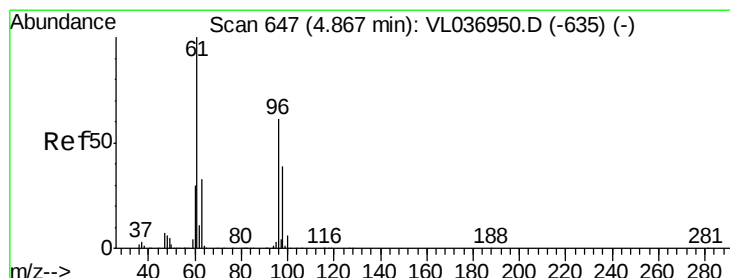
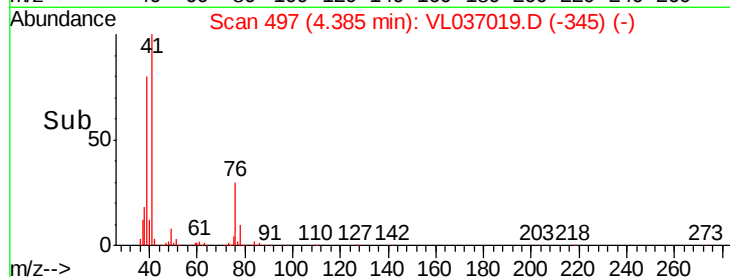
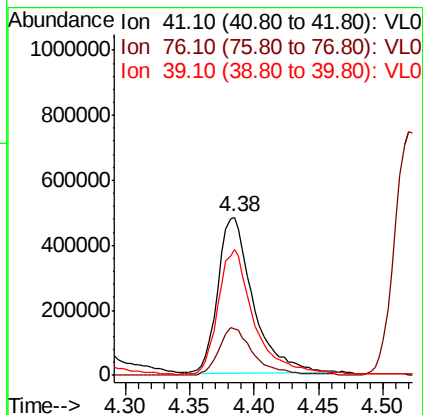
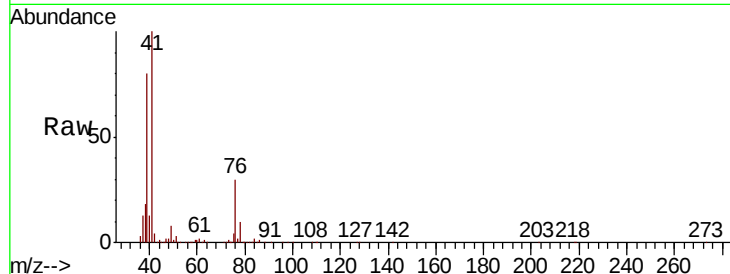
ClientSampleId :

VSTDCCC010

Tot Ion:	41	Resp:	910889
Ion Ratio		Lower	Upper
41	100		
76	30.6	24.9	37.3
39	81.7	63.7	95.5

Manual Integrations
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#22

trans-1,2-Dichloroethene

Concen: 9.996 ppbv

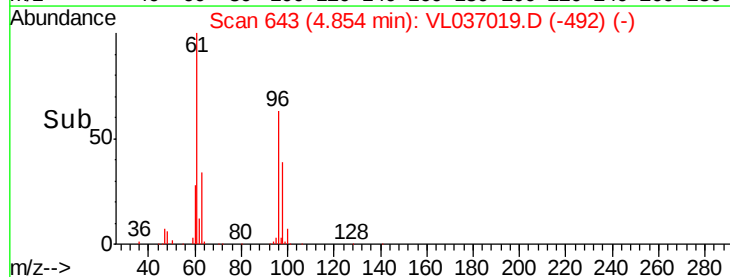
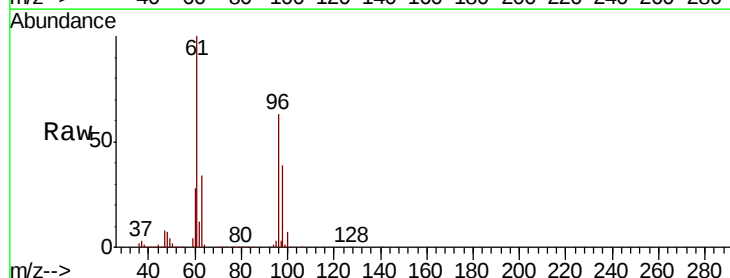
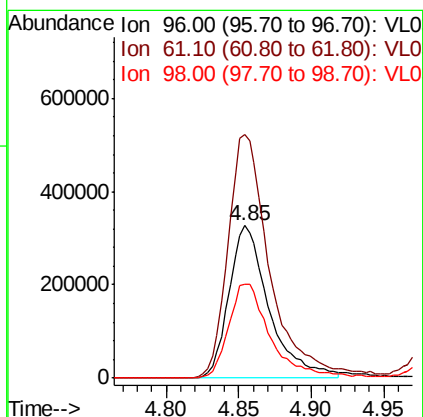
RT: 4.85 min Scan# 643

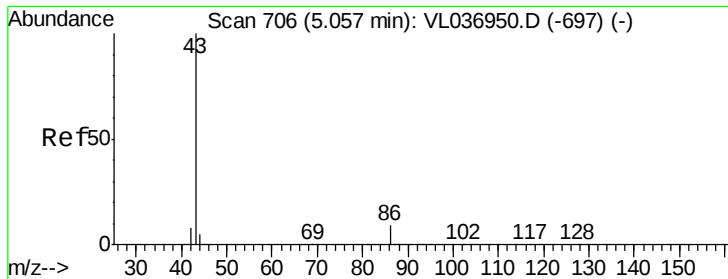
Delta R.T. -0.01 min

Lab File: VL037019.D

Acq: 20 May 2021 9:26

Tgt Ion:	96	Resp:	627901
Ion Ratio		Lower	Upper
96	100		
61	159.8	130.6	196.0
98	61.7	50.8	76.2





#23

Vinyl Acetate

Concen: 9.049 ppbv

RT: 5.04 min Scan# 702

Delta R.T. -0.01 min

Lab File: VL037019.D

Acq: 20 May 2021 9:26

Instrument :

MSVOA_L

ClientSampleId :

VSTDC010

Tot Ion: 43 Resp: 1864457

Ion Ratio Lower Upper

43 100

86 7.5 5.8 8.8

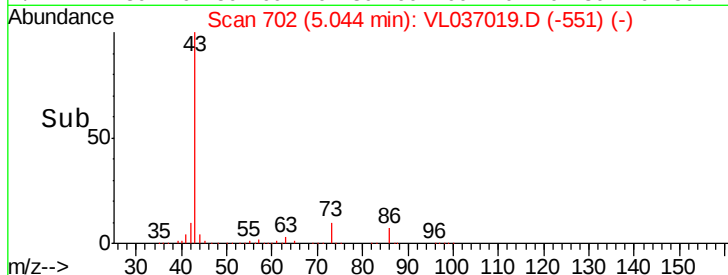
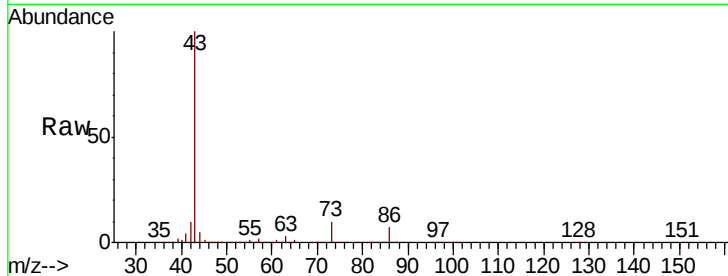
42 10.0 7.4 11.2

44 4.7 3.3 4.9

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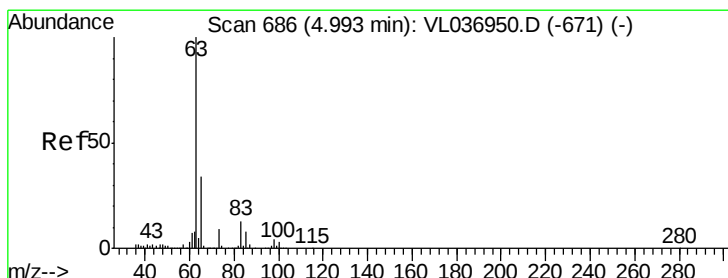
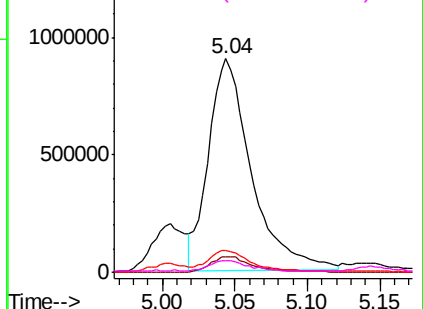


Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 86.10 (85.80 to 86.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

Ion 44.10 (43.80 to 44.80): VL0



#24

1,1-Dichloroethane

Concen: 9.342 ppbv

RT: 4.98 min Scan# 682

Delta R.T. -0.01 min

Lab File: VL037019.D

Acq: 20 May 2021 9:26

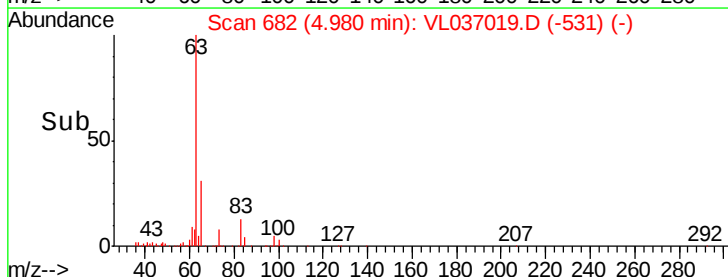
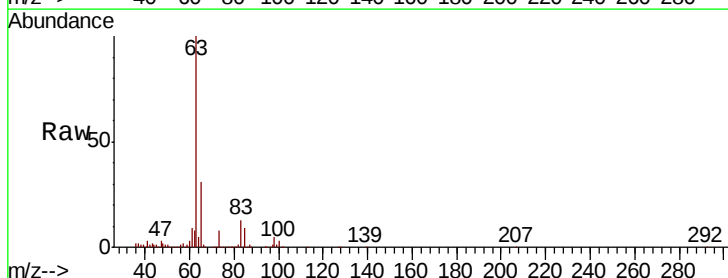
Tgt Ion: 63 Resp: 1385373

Ion Ratio Lower Upper

63 100

98 4.7 2.3 6.9

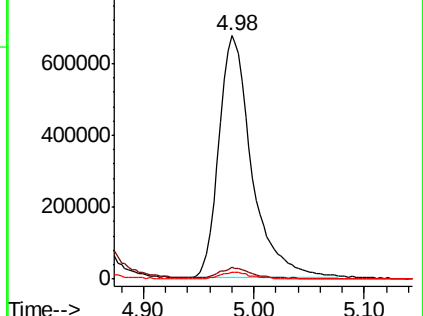
100 2.9 1.4 4.0

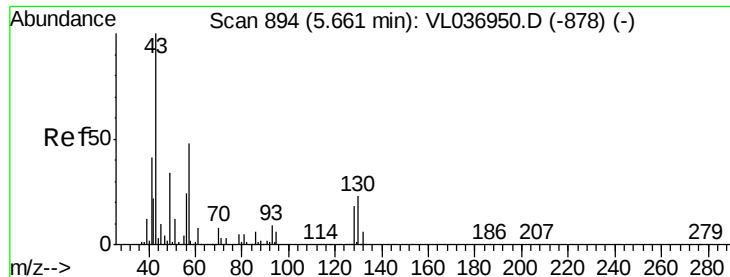


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0





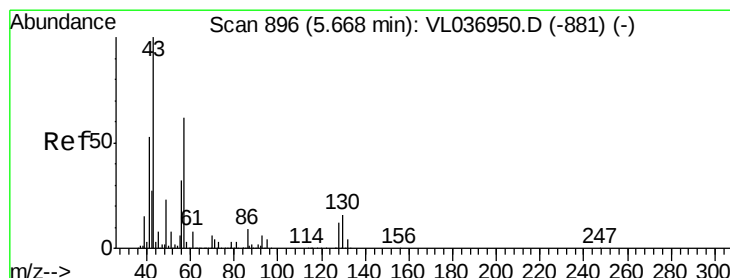
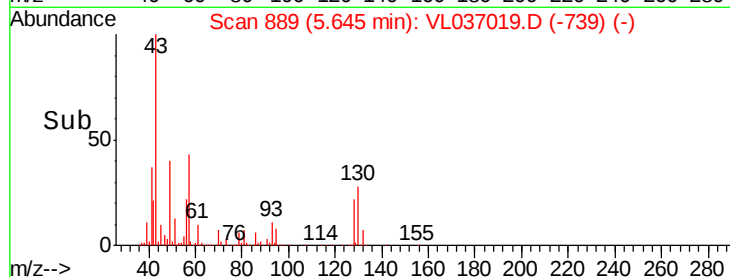
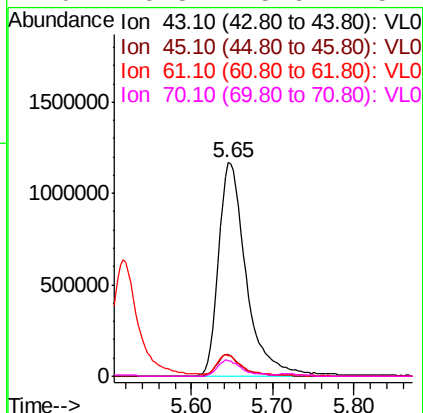
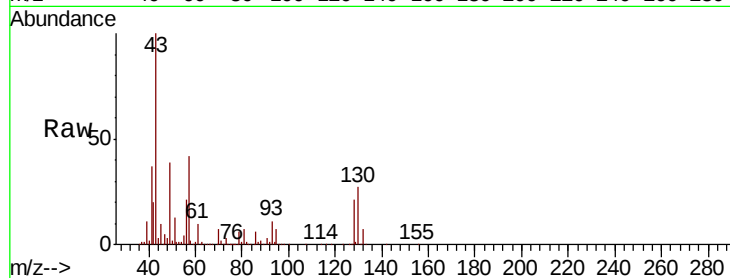
#25
Ethyl Acetate
Concen: 8.996 ppbv
RT: 5.65 min Scan# 889
Delta R.T. -0.02 min
Lab File: VL037019.D
Acq: 20 May 2021 9:26

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ion	Ratio	Lower	Upper
43	100			
45	9.5	7.8	11.8	
61	9.5	7.8	11.8	
70	6.8	5.6	8.4	

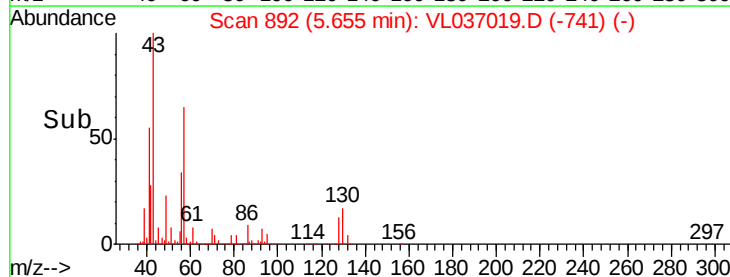
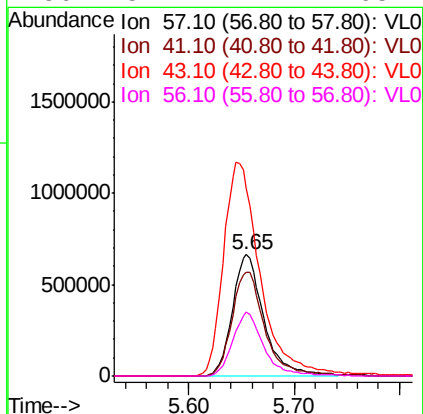
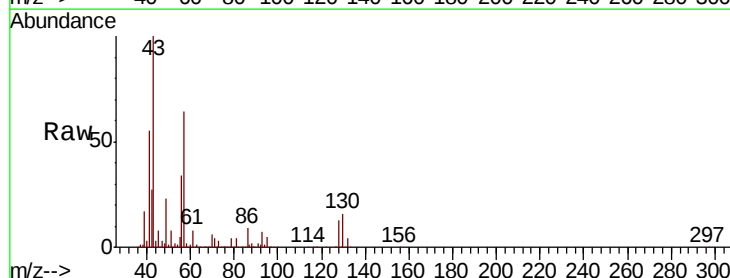
Manual Integrations
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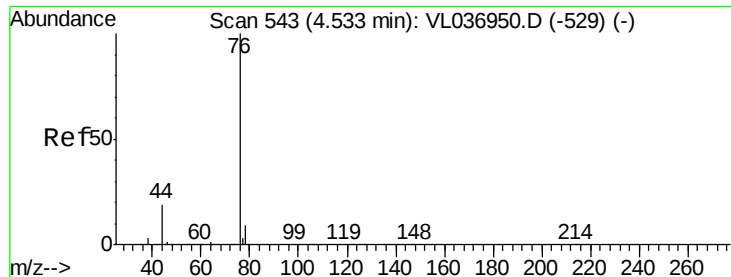
MMDadoda
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#26
Hexane
Concen: 8.596 ppbv
RT: 5.65 min Scan# 892
Delta R.T. -0.01 min
Lab File: VL037019.D
Acq: 20 May 2021 9:26

Tgt Ion	Ion	Ratio	Lower	Upper
57	100			
41	90.3	70.5	105.7	
43	206.7	165.8	248.8	
56	52.2	42.2	63.4	





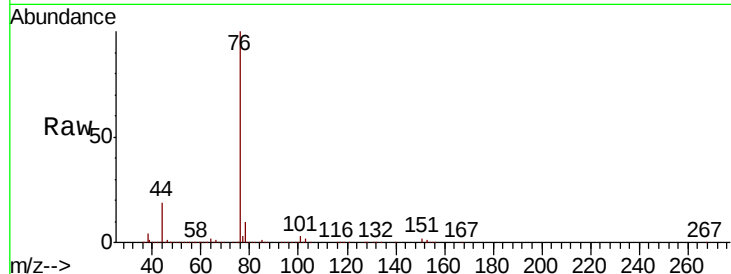
#27
Carbon Disulfide
Concen: 8.988 ppbv
RT: 4.52 min Scan# 539
Delta R.T. -0.01 min
Lab File: VL037019.D
Acq: 20 May 2021 9:26

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

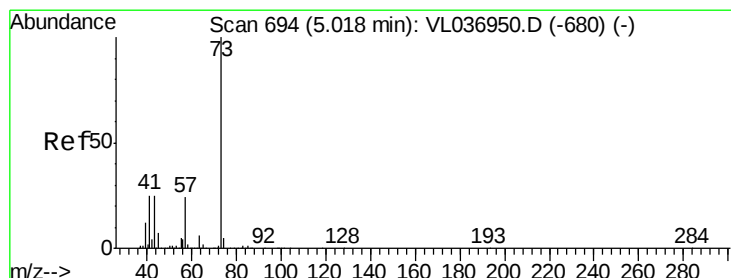
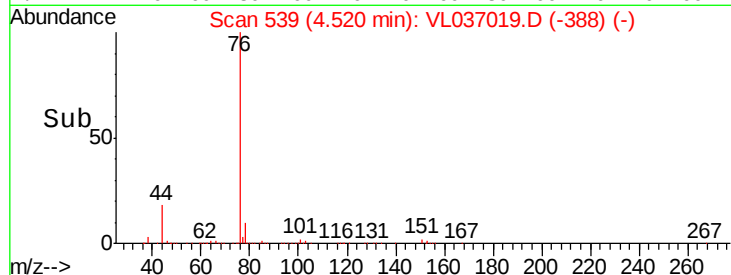
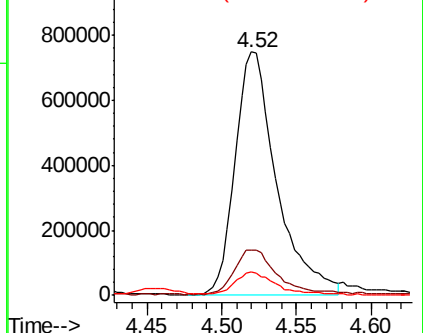
Tot Ion	Ratio	Lower	Upper
76	100		
44	19.5	15.5	23.3
78	10.1	7.8	11.6

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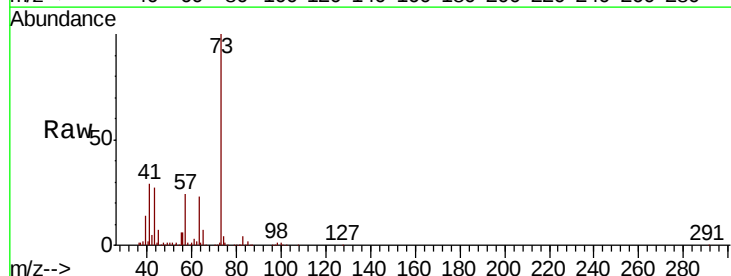


Abundance Ion 76.00 (75.70 to 76.70): VL0
Ion 44.10 (43.80 to 44.80): VL0
Ion 78.00 (77.70 to 78.70): VL0

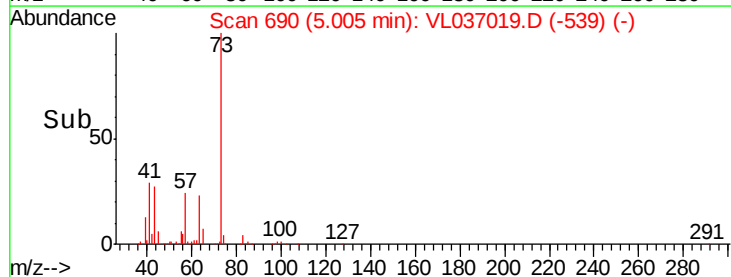
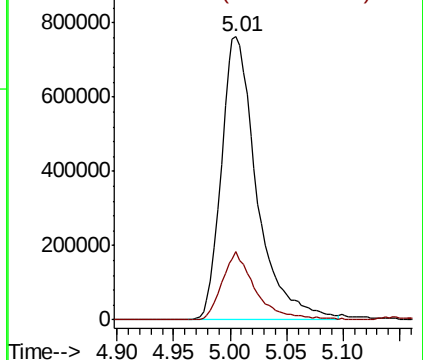


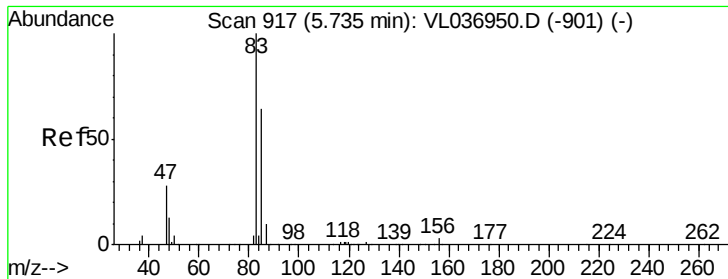
#28
Methyl tert-Butyl Ether
Concen: 8.705 ppbv
RT: 5.01 min Scan# 690
Delta R.T. -0.01 min
Lab File: VL037019.D
Acq: 20 May 2021 9:26

Tgt Ion	Ratio	Lower	Upper
73	100		
57	22.7	18.3	27.5



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





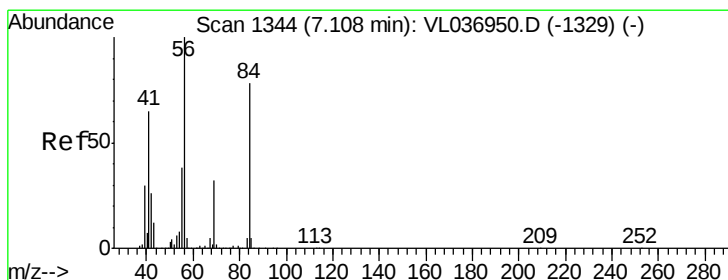
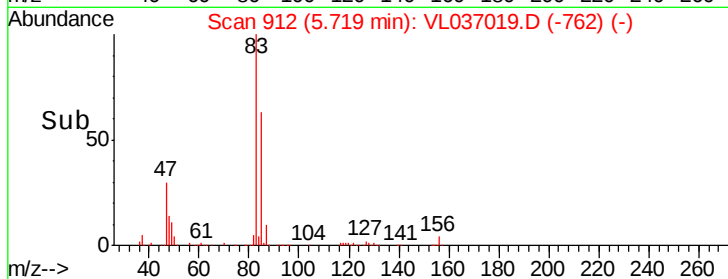
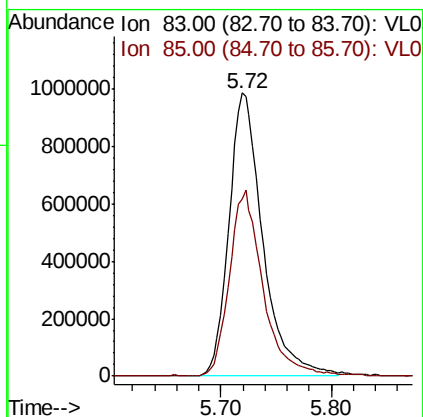
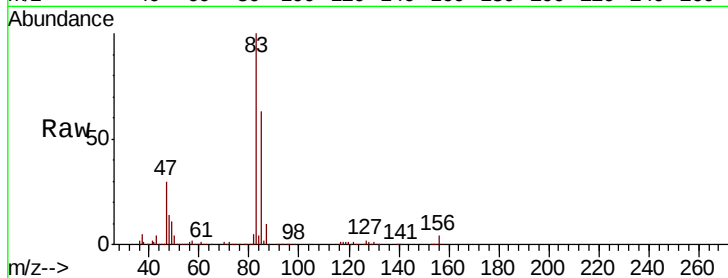
#29
Chloroform
Concen: 9.320 ppbv
RT: 5.72 min Scan# 912
Delta R.T. -0.02 min
Lab File: VL037019.D
Acq: 20 May 2021 9:26

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 83 Resp: 2098099
Ion Ratio Lower Upper
83 100
85 62.6 51.1 76.7

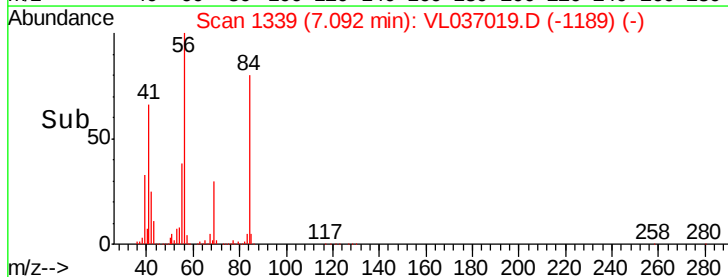
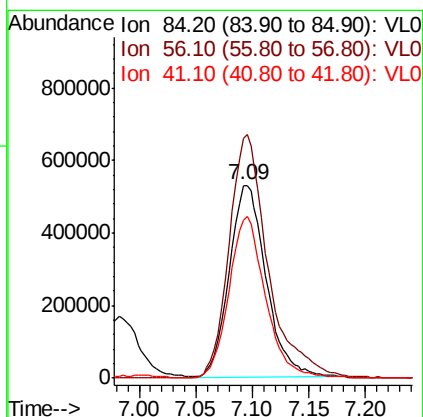
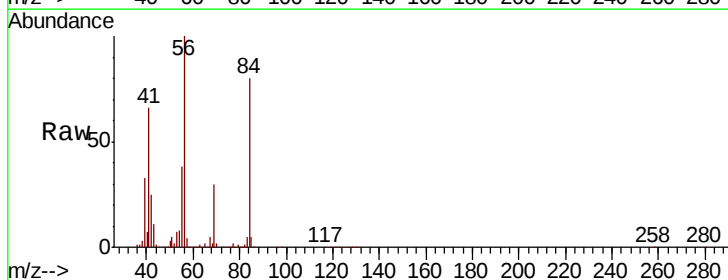
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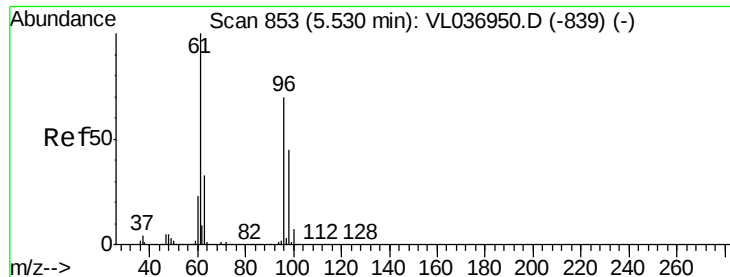
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#30
Cyclohexane
Concen: 8.875 ppbv
RT: 7.09 min Scan# 1339
Delta R.T. -0.02 min
Lab File: VL037019.D
Acq: 20 May 2021 9:26

Tgt Ion: 84 Resp: 1201836
Ion Ratio Lower Upper
84 100
56 134.7 107.9 161.9
41 83.0 65.5 98.3





#31

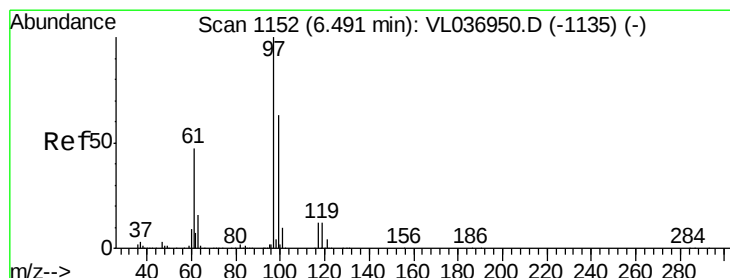
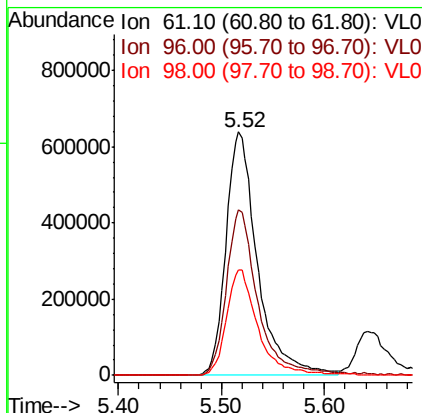
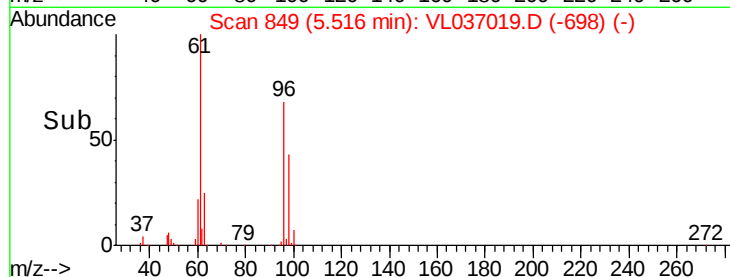
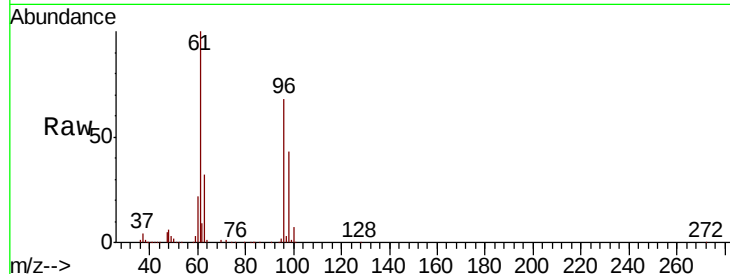
cis-1,2-Dichloroethene
Concen: 9.505 ppbv
RT: 5.52 min Scan# 849
Delta R.T. -0.01 min
Lab File: VL037019.D
Acq: 20 May 2021 9:26

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
61	100		
96	67.9	55.9	83.9
98	43.2	35.6	53.4

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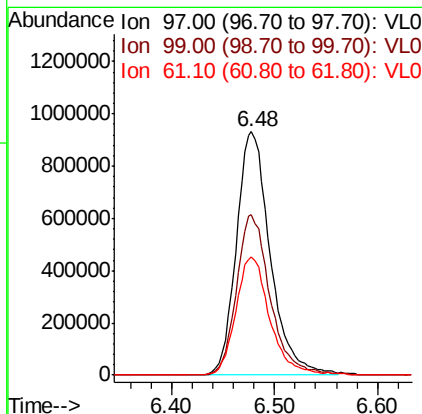
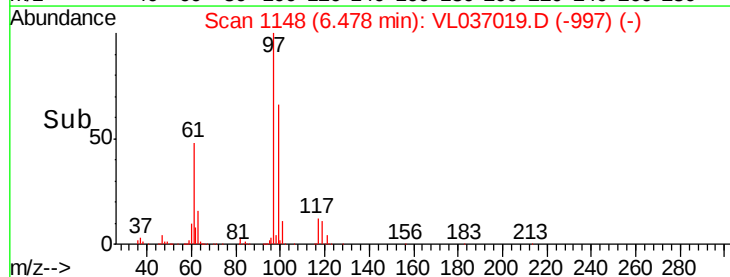
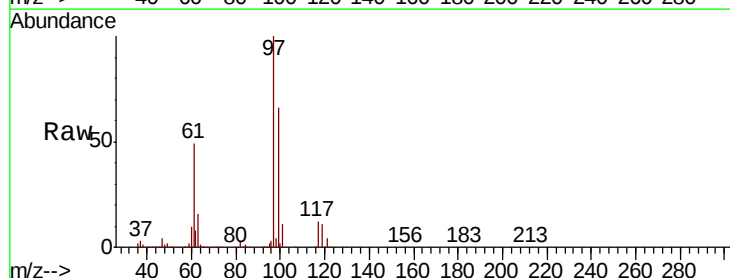
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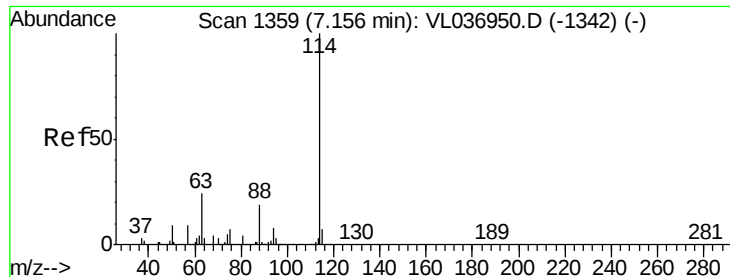


#32

1,1,1-Trichloroethane
Concen: 8.795 ppbv
RT: 6.48 min Scan# 1148
Delta R.T. -0.01 min
Lab File: VL037019.D
Acq: 20 May 2021 9:26

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.8	51.9	77.9
61	48.8	37.6	56.4





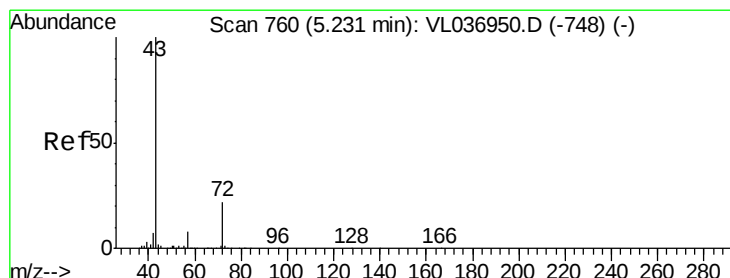
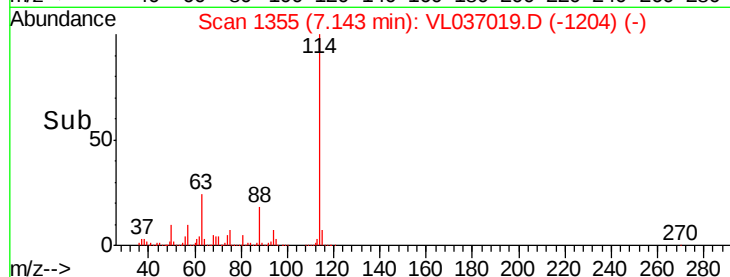
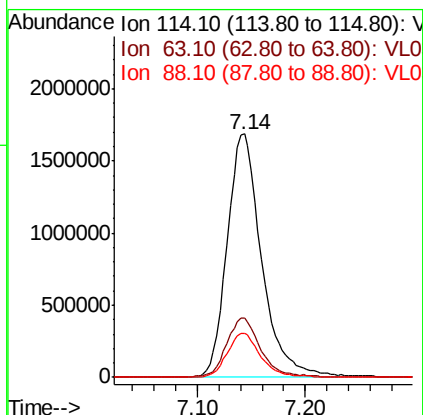
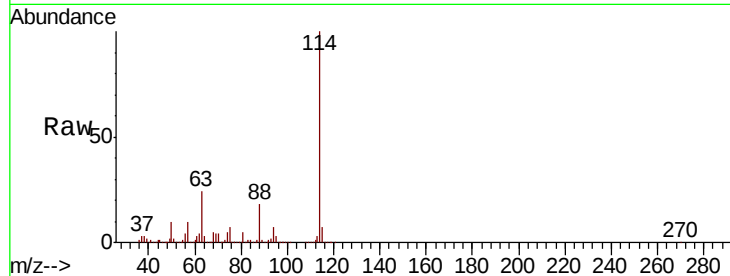
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.14 min Scan# 1355
 Delta R.T. -0.01 min
 Lab File: VL037019.D
 Acq: 20 May 2021 9:26

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion:114 Resp: 3759436
 Ion Ratio Lower Upper
 114 100
 63 24.5 19.6 29.4
 88 17.8 14.6 21.8

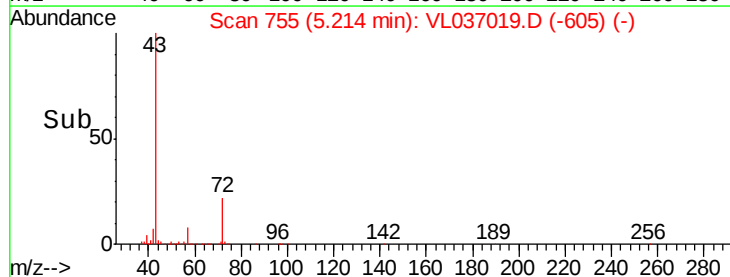
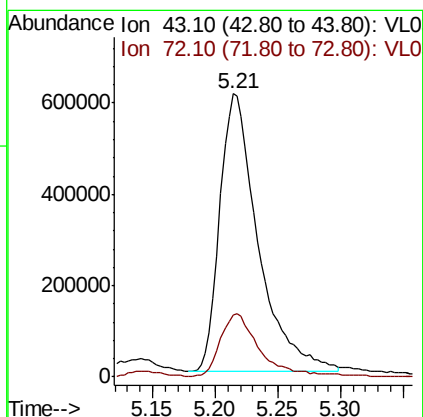
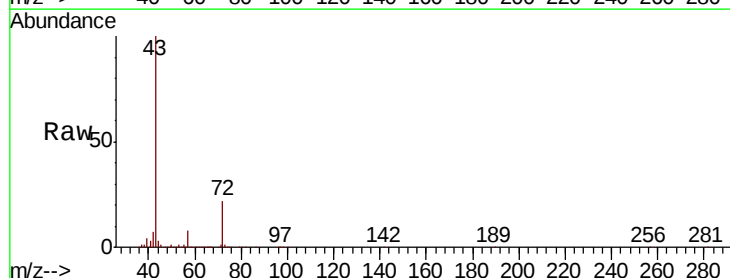
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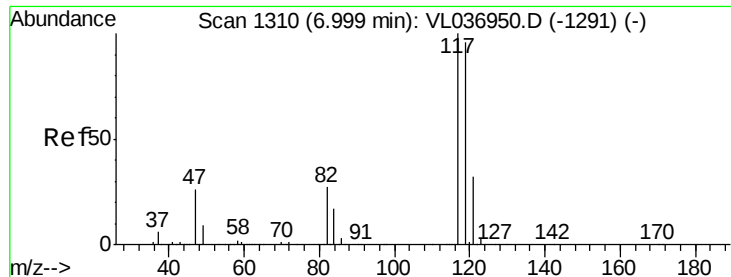
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#34
 2-Butanone
 Concen: 9.462 ppbv
 RT: 5.21 min Scan# 755
 Delta R.T. -0.02 min
 Lab File: VL037019.D
 Acq: 20 May 2021 9:26

Tgt Ion: 43 Resp: 1295313
 Ion Ratio Lower Upper
 43 100
 72 23.7 19.0 28.4





#35

Carbon Tetrachloride

Concen: 8.837 ppbv

RT: 6.99 min Scan# 1306

Delta R.T. -0.01 min

Lab File: VL037019.D

Acq: 20 May 2021 9:26

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion:117 Resp: 2207425

Ion Ratio Lower Upper

117 100

119 95.8 76.6 114.8

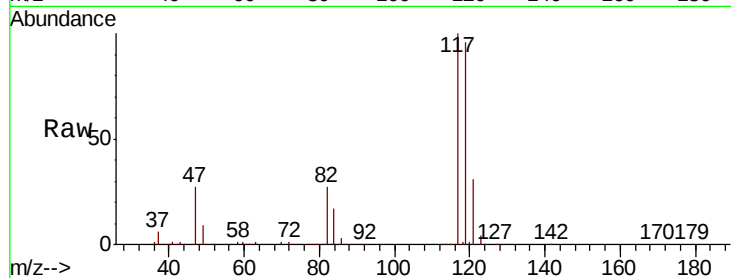
121 30.9 25.8 38.6

Manual Integrations

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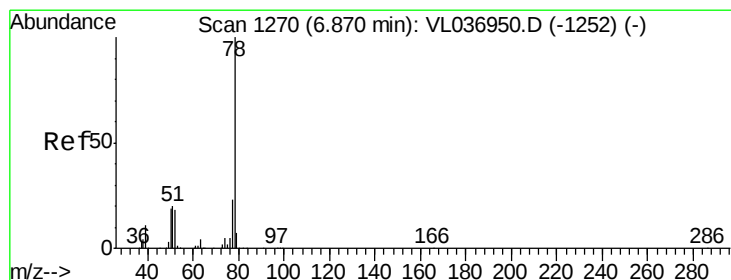
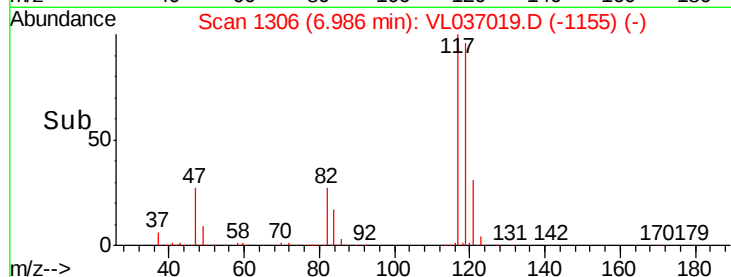
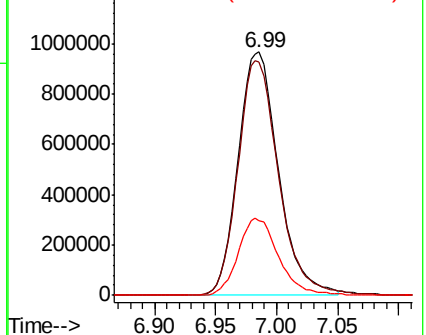
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Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#36

Benzene

Concen: 8.769 ppbv

RT: 6.86 min Scan# 1266

Delta R.T. -0.01 min

Lab File: VL037019.D

Acq: 20 May 2021 9:26

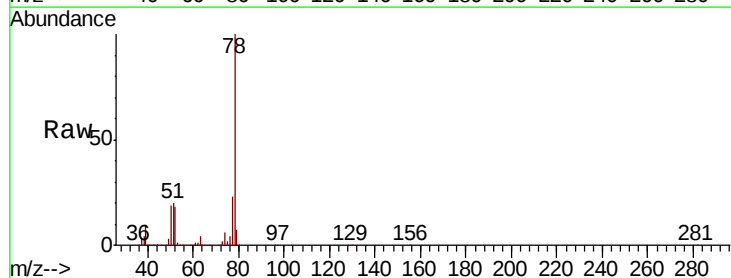
Tgt Ion: 78 Resp: 2839442

Ion Ratio Lower Upper

78 100

77 22.8 18.6 28.0

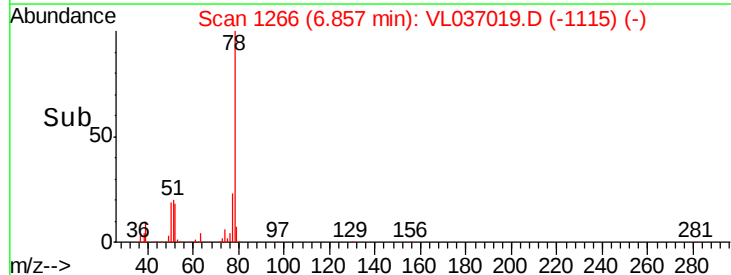
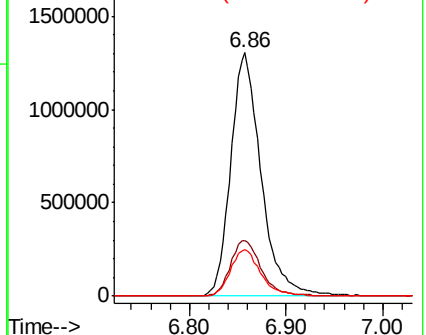
50 19.1 15.0 22.4

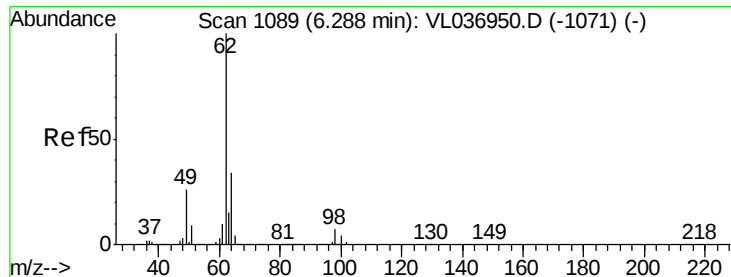


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0





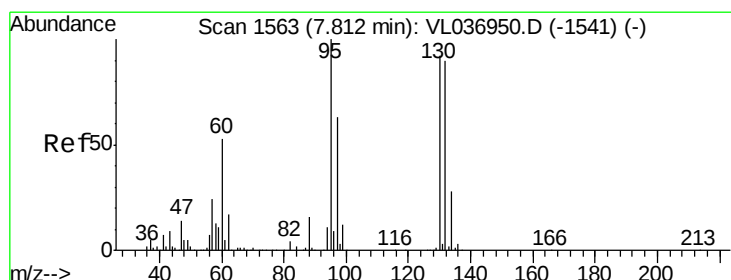
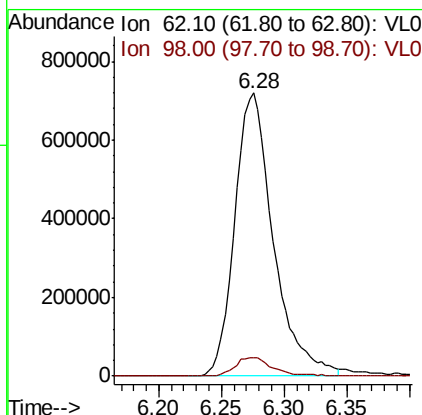
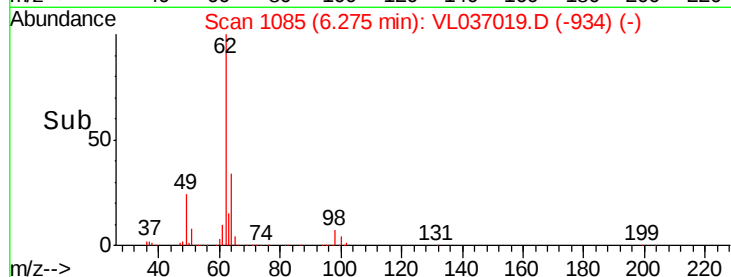
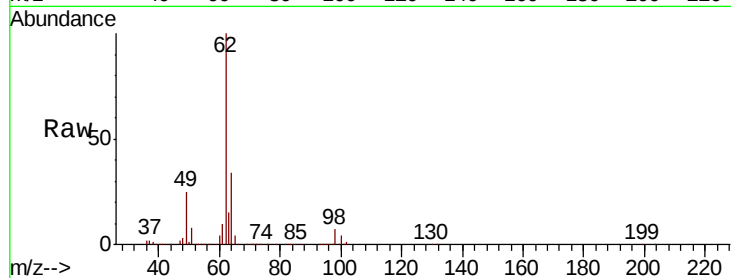
#37
 1,2-Dichloroethane
 Concen: 9.600 ppbv
 RT: 6.28 min Scan# 1085
 Delta R.T. -0.01 min
 Lab File: VL037019.D
 Acq: 20 May 2021 9:26

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion: 62 Resp: 1541249
 Ion Ratio Lower Upper
 62 100
 98 6.7 5.5 8.3

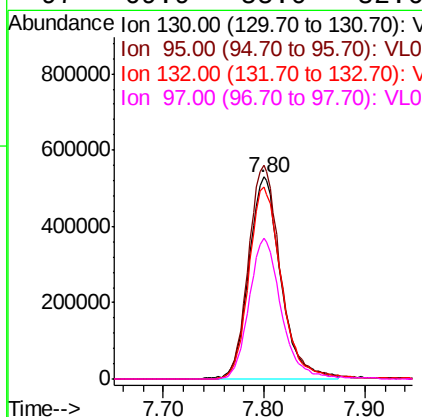
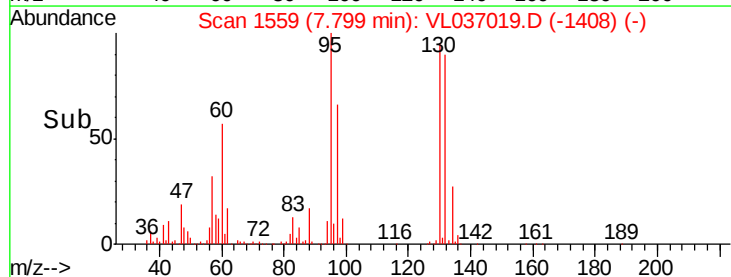
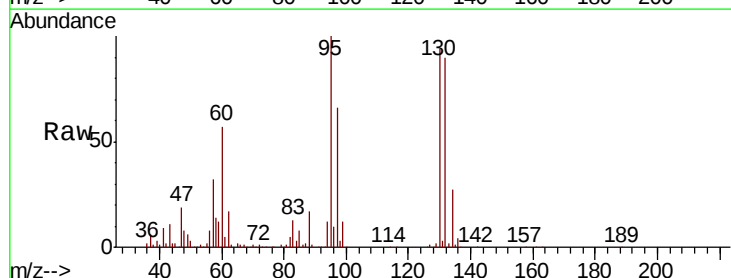
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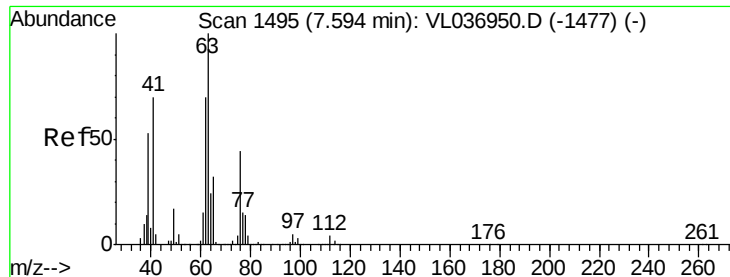
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#38
 Trichloroethene
 Concen: 8.367 ppbv
 RT: 7.80 min Scan# 1559
 Delta R.T. -0.01 min
 Lab File: VL037019.D
 Acq: 20 May 2021 9:26

Tgt Ion:130 Resp: 1159074
 Ion Ratio Lower Upper
 130 100
 95 106.2 86.9 130.3
 132 95.2 78.4 117.6
 97 69.9 55.0 82.6





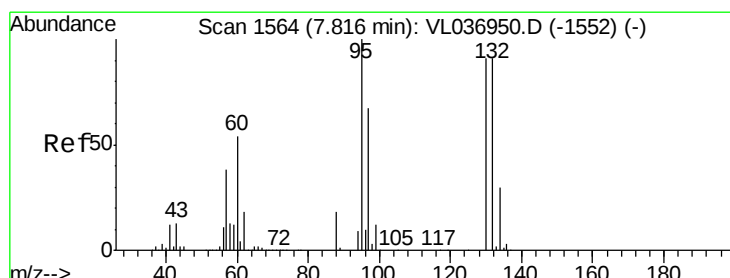
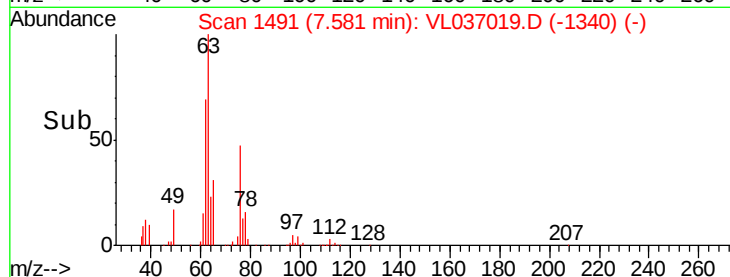
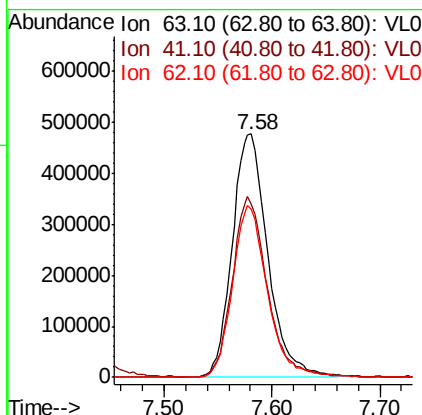
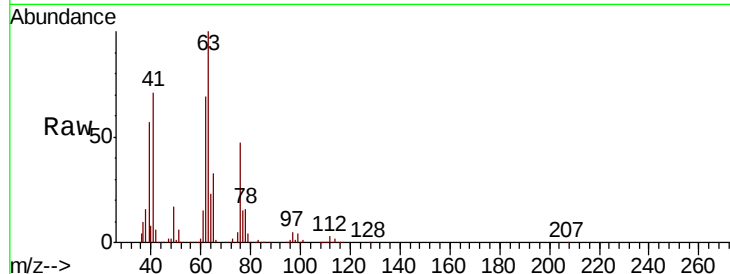
#39
 1,2-Dichloropropane
 Concen: 8.768 ppbv
 RT: 7.58 min Scan# 1491
 Delta R.T. -0.01 min
 Lab File: VL037019.D
 Acq: 20 May 2021 9:26

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion	Ratio	Lower	Upper
63	100		
41	71.1	55.7	83.5
62	68.8	56.2	84.4

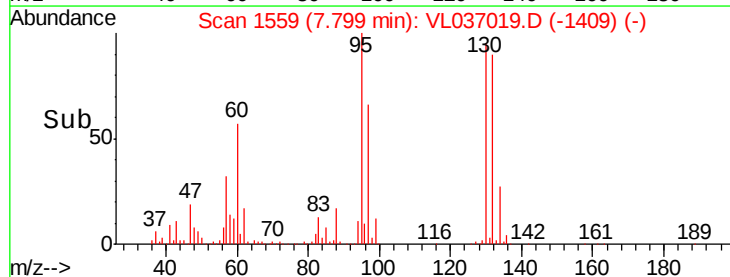
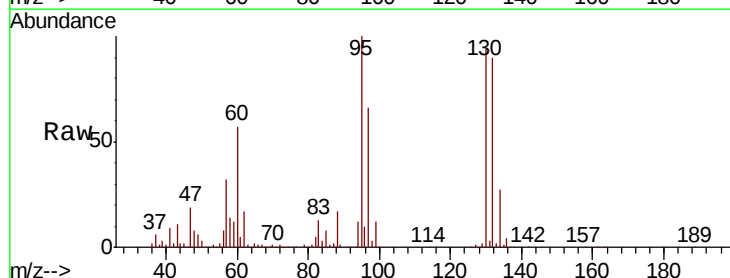
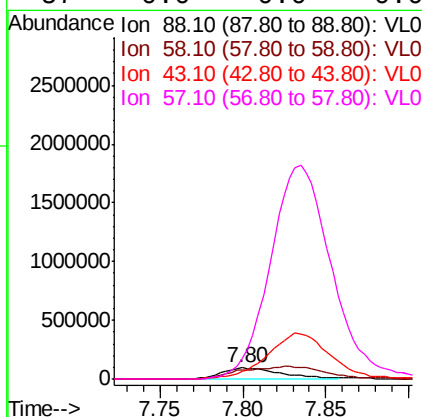
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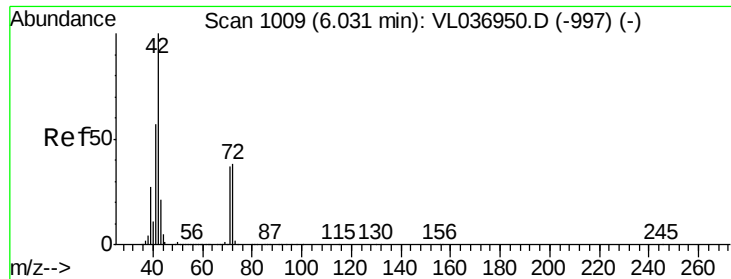
MMDadoda
 5/24/2021 3:23:34 PM



#40
 1,4-Dioxane
 Concen: 7.700 ppbv
 RT: 7.80 min Scan# 1559
 Delta R.T. -0.02 min
 Lab File: VL037019.D
 Acq: 20 May 2021 9:26

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





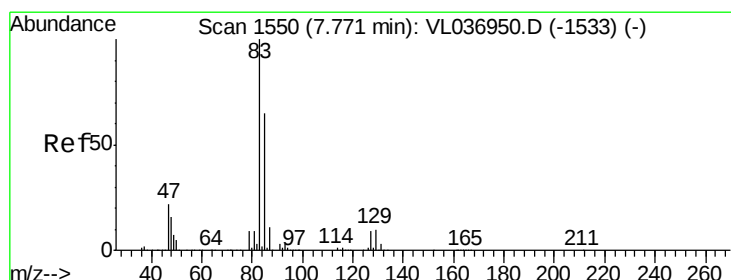
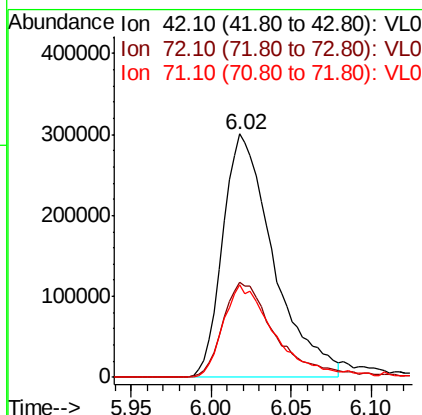
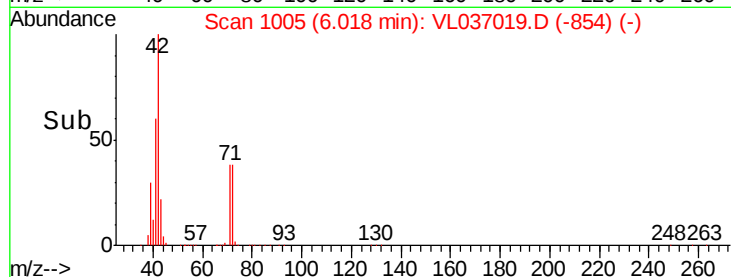
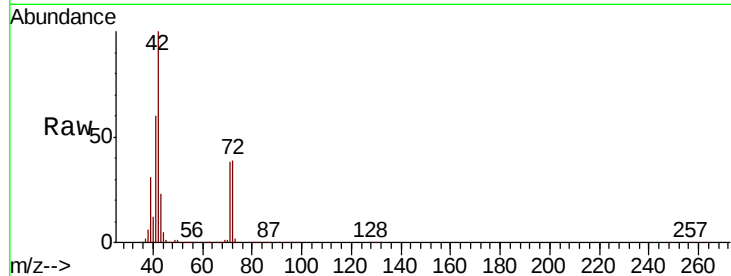
#41
Tetrahydrofuran
Concen: 8.315 ppbv
RT: 6.02 min Scan# 1005
Delta R.T. -0.01 min
Lab File: VL037019.D
Acq: 20 May 2021 9:26

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.2	31.4	47.2
71	40.0	30.4	45.6

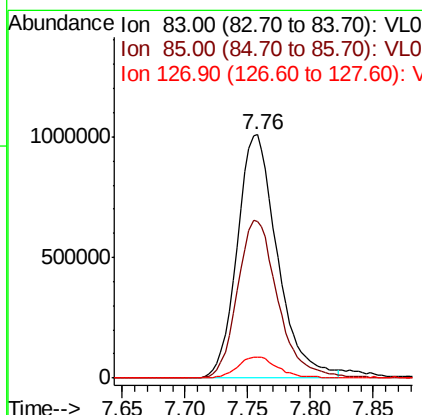
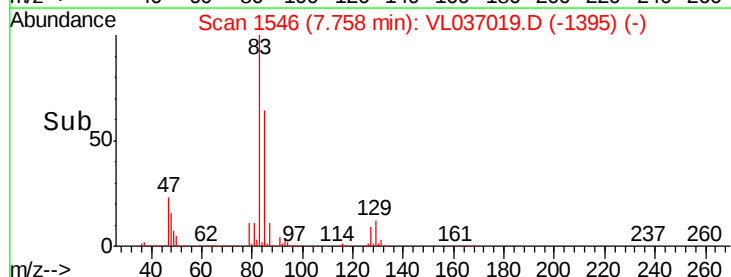
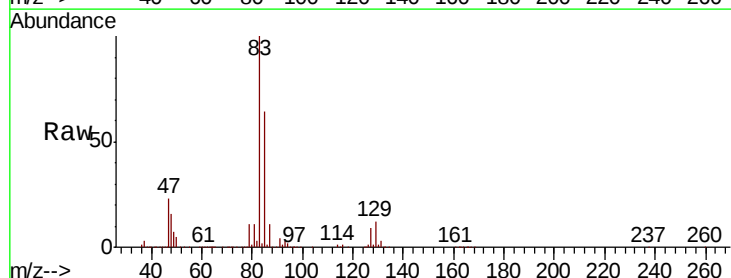
Manual Integrations
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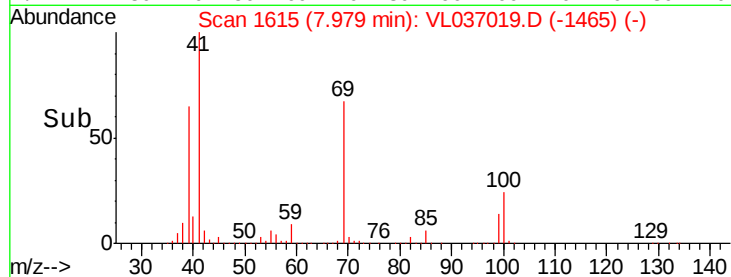
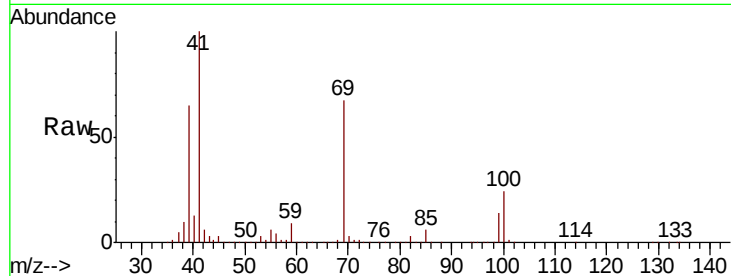
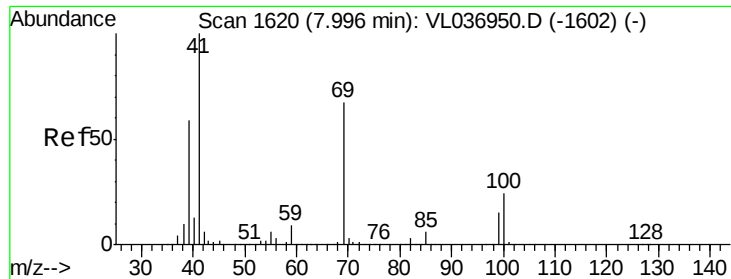
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#42
Bromodichloromethane
Concen: 9.249 ppbv
RT: 7.76 min Scan# 1546
Delta R.T. -0.01 min
Lab File: VL037019.D
Acq: 20 May 2021 9:26

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.5	51.7	77.5
127	8.8	6.9	10.3





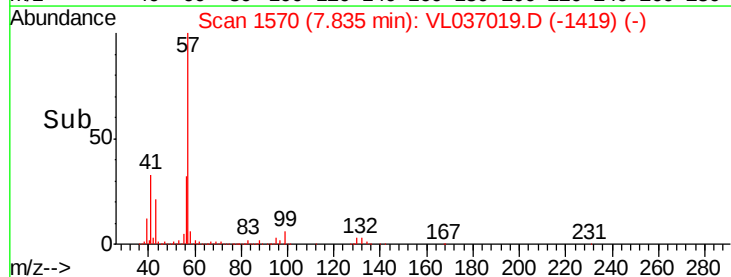
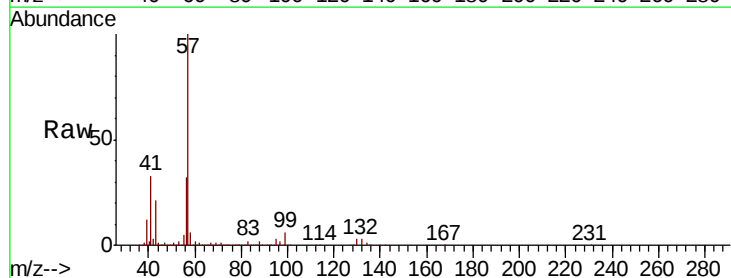
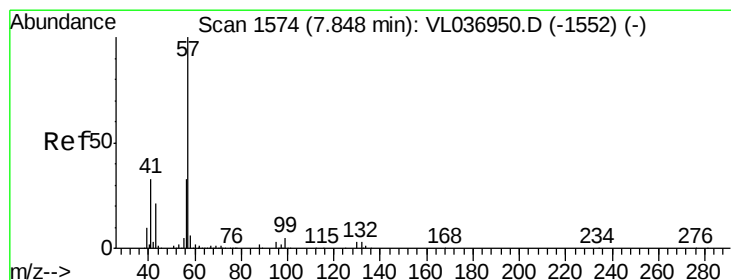
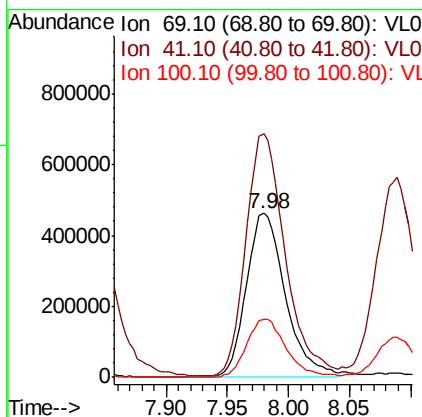
#43
Methvl Methacrylate
Concen: 9.182 ppbv
RT: 7.98 min Scan# 1615
Delta R.T. -0.02 min
Lab File: VL037019.D
Acq: 20 May 2021 9:26

Tot Ion: 69 Resp: 1024829
Ion Ratio Lower Upper
69 100
41 149.4 118.6 178.0
100 35.7 28.2 42.4

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

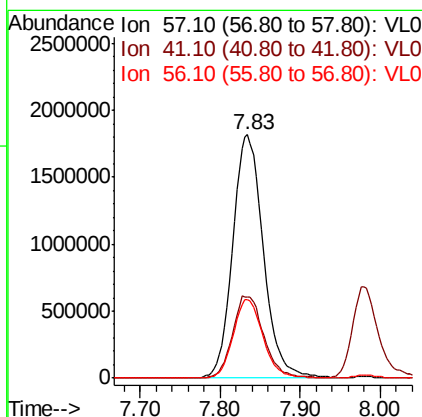
Manual Integrations
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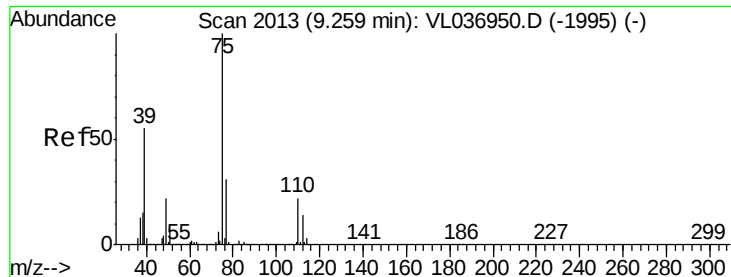
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#44
2,2,4-Trimethylpentane
Concen: 8.482 ppbv
RT: 7.83 min Scan# 1570
Delta R.T. -0.01 min
Lab File: VL037019.D
Acq: 20 May 2021 9:26

Tgt Ion: 57 Resp: 4712360
Ion Ratio Lower Upper
57 100
41 34.1 27.0 40.4
56 31.4 25.4 38.2





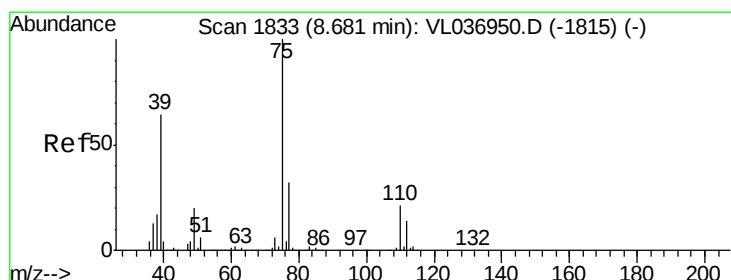
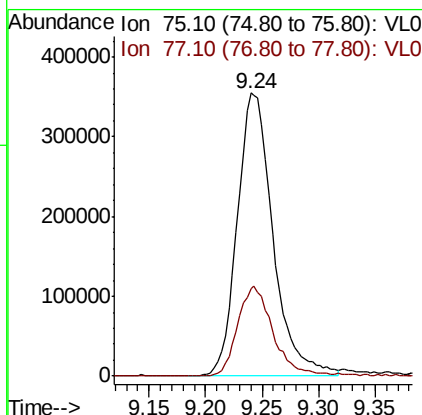
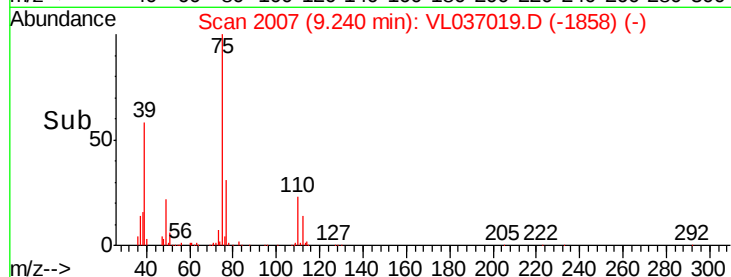
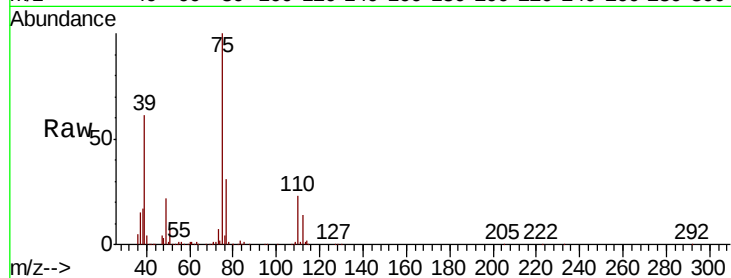
#45
t-1,3-Dichloropropene
Concen: 9.163 ppbv
RT: 9.24 min Scan# 2007
Delta R.T. -0.02 min
Lab File: VL037019.D
Acq: 20 May 2021 9:26

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.1	24.4	36.6

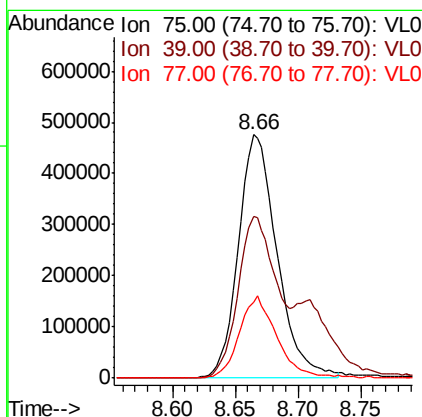
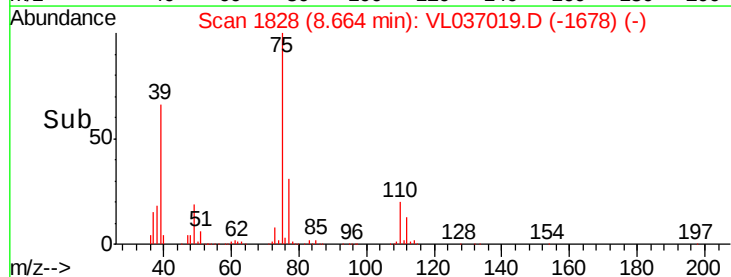
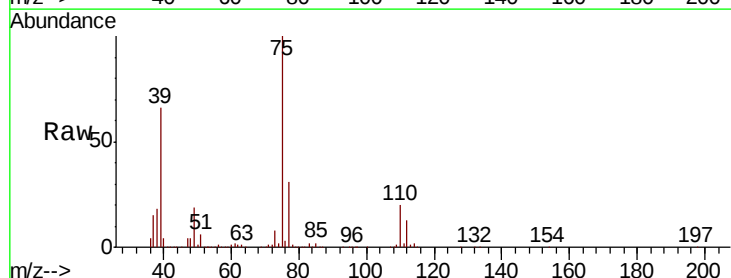
Manual Integrations
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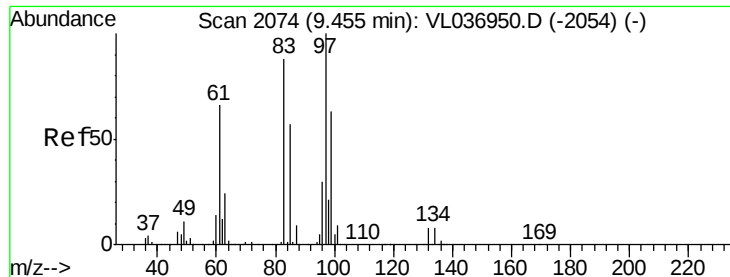
MMDadoda
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#46
cis-1,3-Dichloropropene
Concen: 8.864 ppbv
RT: 8.66 min Scan# 1828
Delta R.T. -0.02 min
Lab File: VL037019.D
Acq: 20 May 2021 9:26

Tgt Ion	Ratio	Lower	Upper
75	100		
39	66.4	51.5	77.3
77	31.2	25.9	38.9





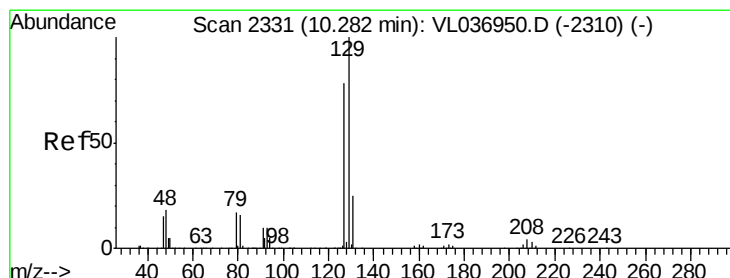
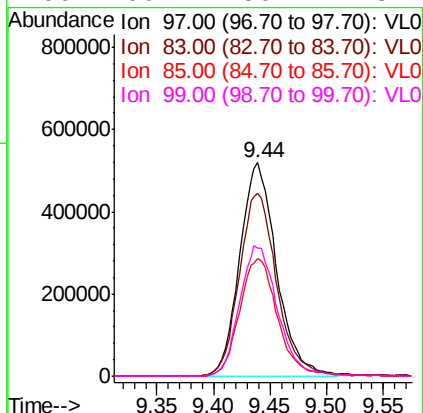
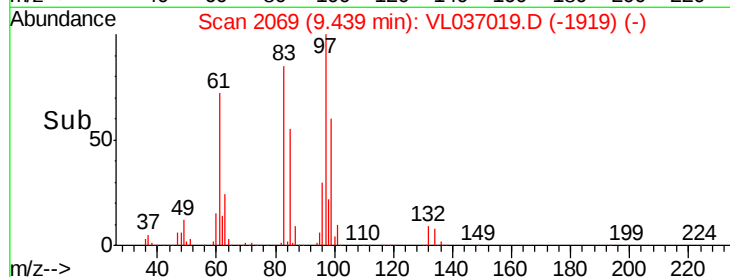
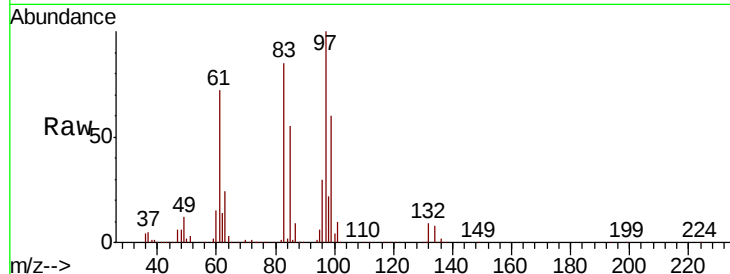
#47
 1,1,2-Trichloroethane
 Concen: 9.026 ppbv
 RT: 9.44 min Scan# 2069
 Delta R.T. -0.02 min
 Lab File: VL037019.D
 Acq: 20 May 2021 9:26

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion	Ion	Ratio	Lower	Upper
97	100			
83	85.4	70.4	105.6	
85	55.0	45.5	68.3	
99	60.1	50.2	75.2	

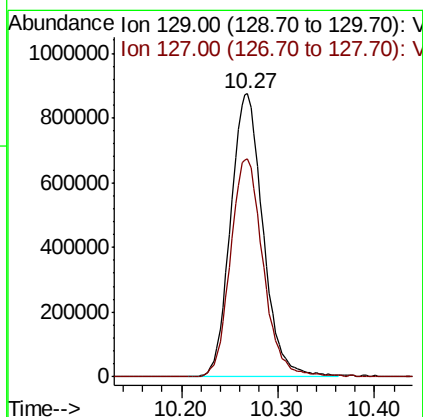
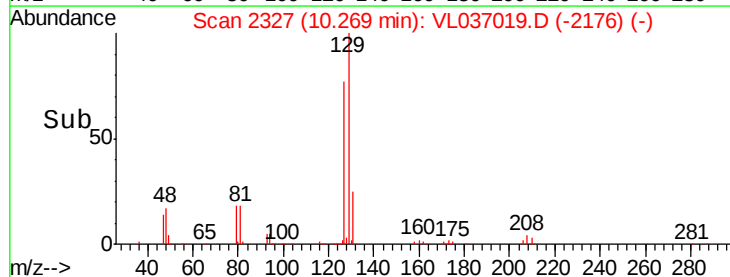
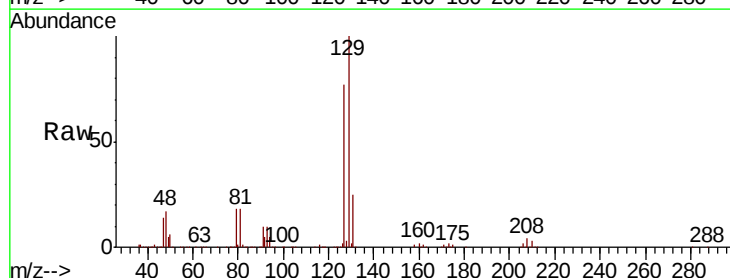
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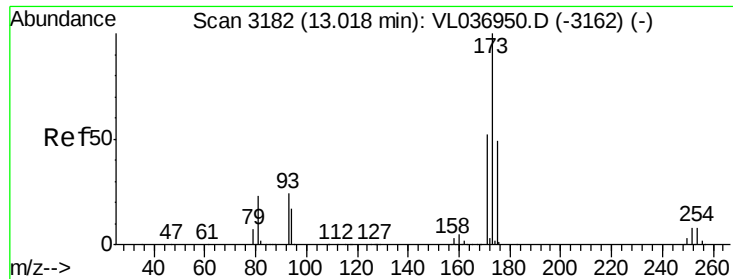
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#48
 Dibromochloromethane
 Concen: 9.621 ppbv
 RT: 10.27 min Scan# 2327
 Delta R.T. -0.01 min
 Lab File: VL037019.D
 Acq: 20 May 2021 9:26

Tgt Ion	Ion	Ratio	Lower	Upper
129	100			
127	77.9	39.3	117.8	





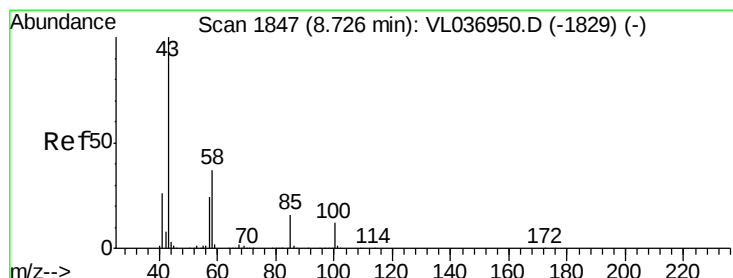
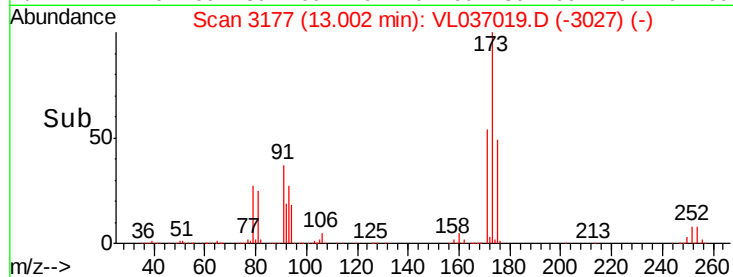
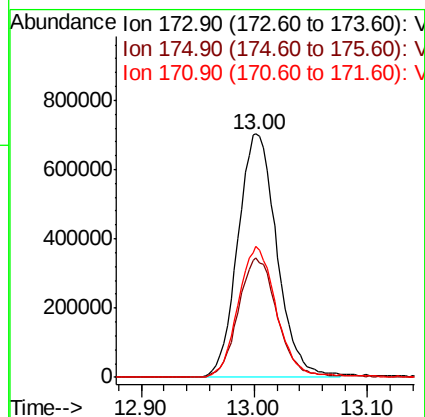
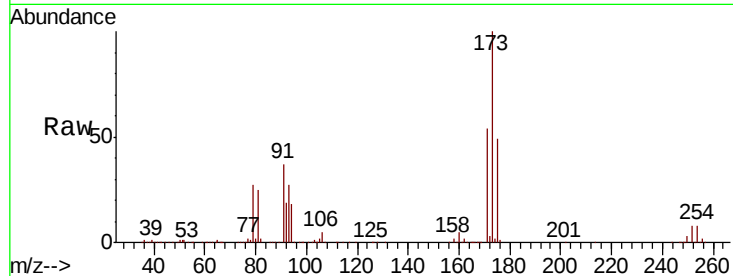
#49
Bromoform
Concen: 9.690 ppbv
RT: 13.00 min Scan# 3177
Delta R.T. -0.02 min
Lab File: VL037019.D
Acq: 20 May 2021 9:26

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion:173 Resp: 1691686
Ion Ratio Lower Upper
173 100
175 49.4 40.4 60.6
171 53.3 42.6 64.0

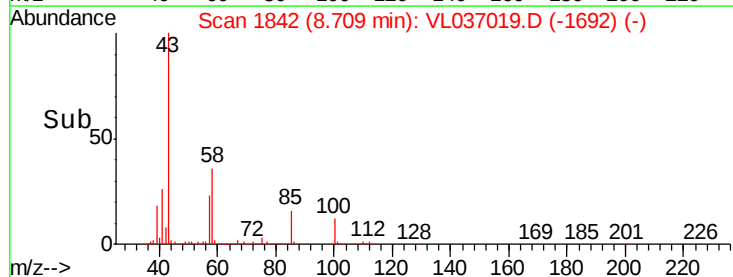
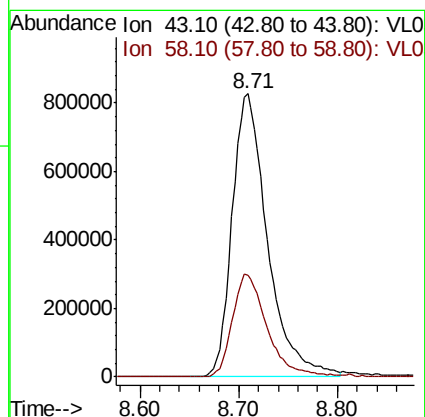
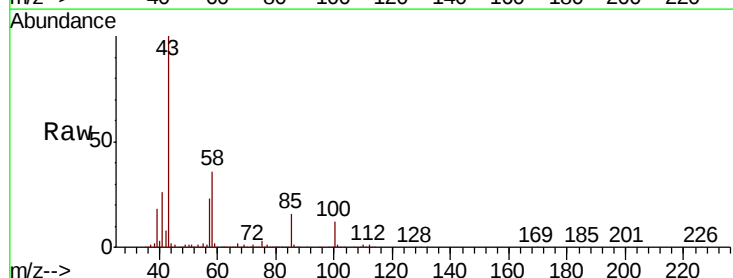
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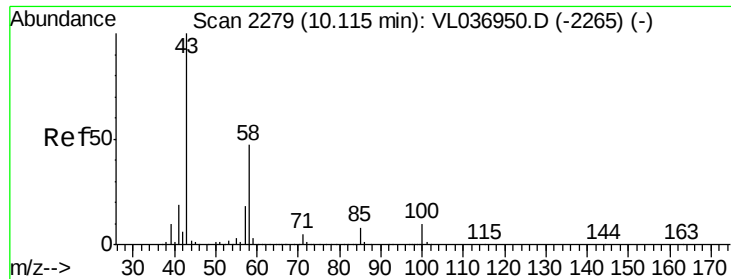
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#50
4-Methyl-2-Pentanone
Concen: 9.067 ppbv
RT: 8.71 min Scan# 1842
Delta R.T. -0.02 min
Lab File: VL037019.D
Acq: 20 May 2021 9:26

Tgt Ion: 43 Resp: 2048143
Ion Ratio Lower Upper
43 100
58 36.4 29.4 44.2





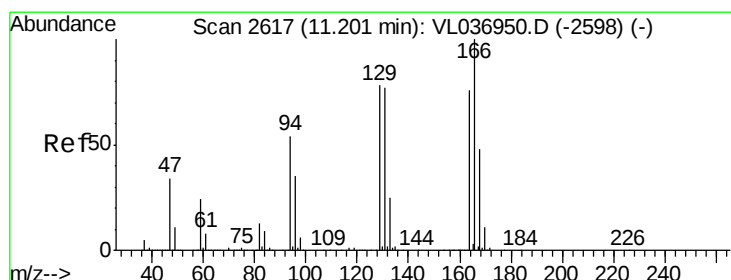
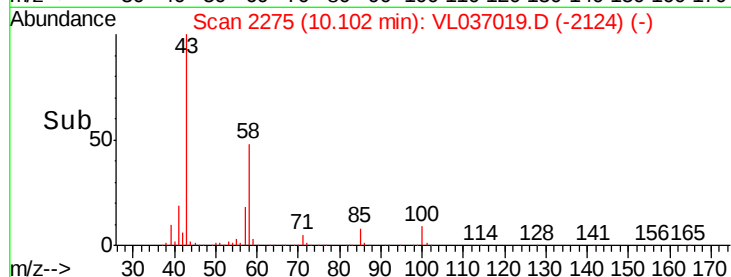
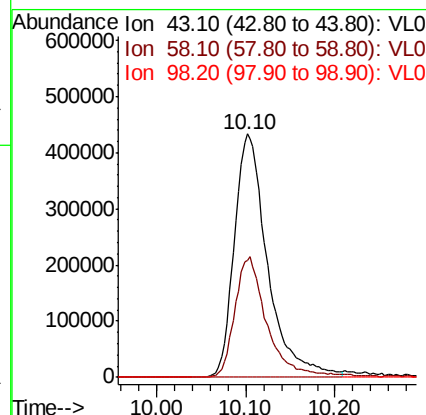
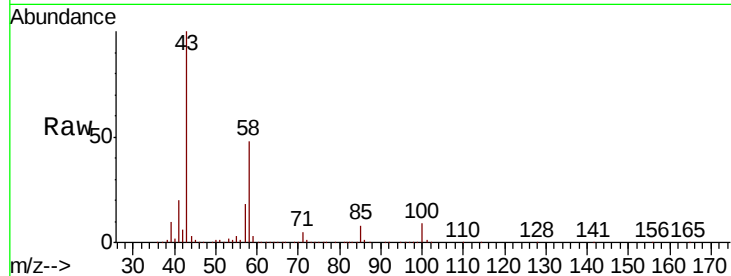
#51
2-Hexanone
Concen: 9.350 ppbv
RT: 10.10 min Scan# 2275
Delta R.T. -0.01 min
Lab File: VL037019.D
Acq: 20 May 2021 9:26

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 43 Resp: 1116575
Ion Ratio Lower Upper
43 100
58 48.4 41.1 61.7
98 0.2 0.1 0.1#

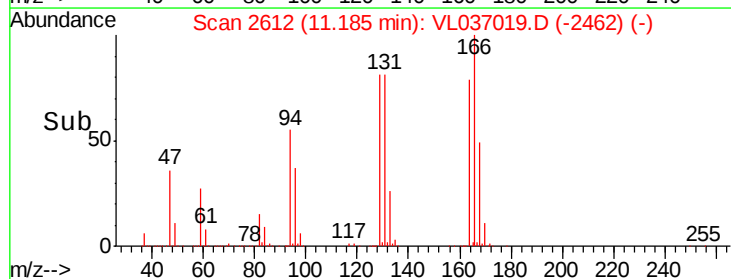
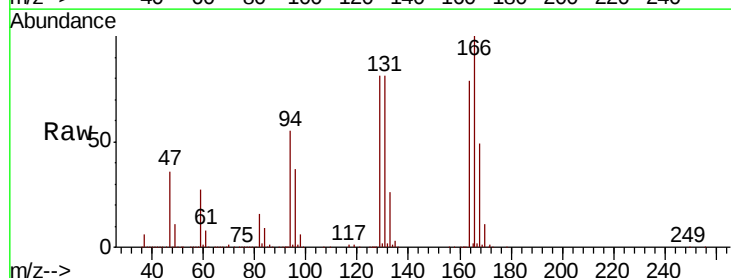
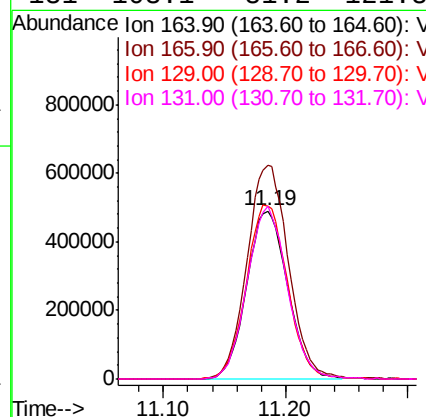
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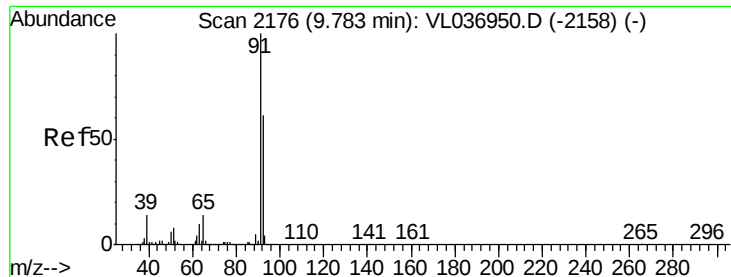
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#52
Tetrachloroethene
Concen: 8.831 ppbv
RT: 11.19 min Scan# 2612
Delta R.T. -0.02 min
Lab File: VL037019.D
Acq: 20 May 2021 9:26

Tgt Ion: 164 Resp: 1137105
Ion Ratio Lower Upper
164 100
166 127.2 105.5 158.3
129 102.7 81.8 122.8
131 103.1 81.2 121.8





#53

Toluene

Concen: 8.812 ppbv

RT: 9.77 min Scan# 2171

Delta R.T. -0.02 min

Lab File: VL037019.D

Acq: 20 May 2021 9:26

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 91 Resp: 3395208

Ion Ratio Lower Upper

91 100

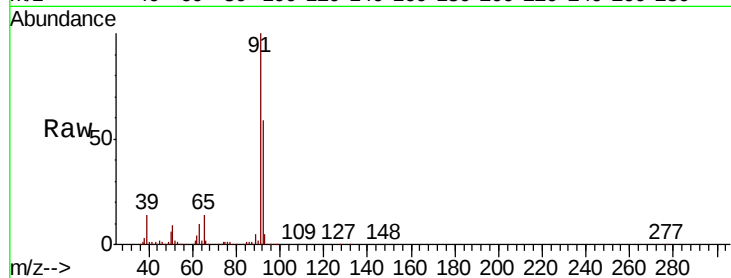
92 60.6 49.5 74.3

Manual Integrations

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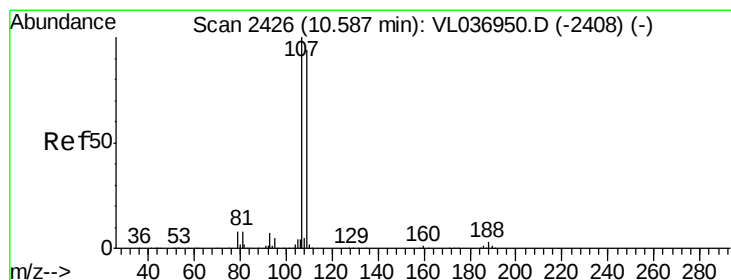
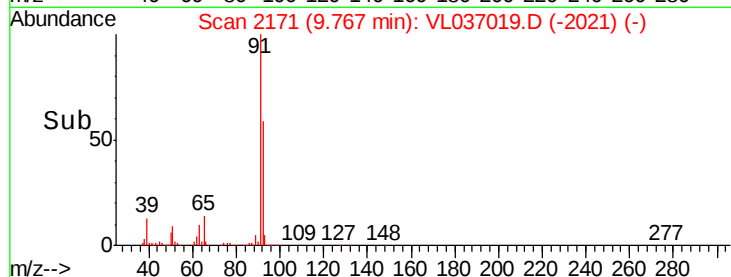
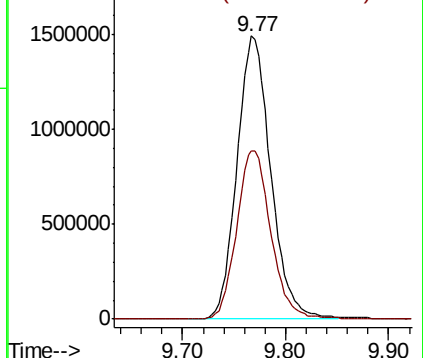
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Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0



#54

1,2-Dibromoethane

Concen: 9.356 ppbv

RT: 10.57 min Scan# 2421

Delta R.T. -0.02 min

Lab File: VL037019.D

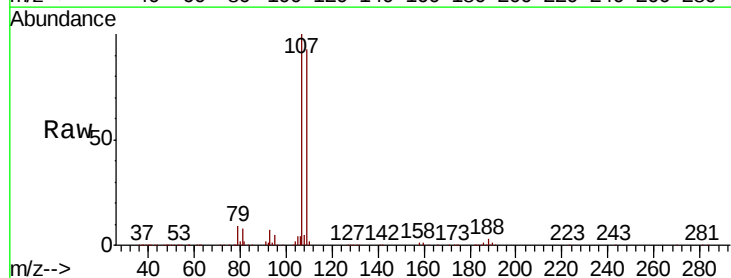
Acq: 20 May 2021 9:26

Tgt Ion: 107 Resp: 1736674

Ion Ratio Lower Upper

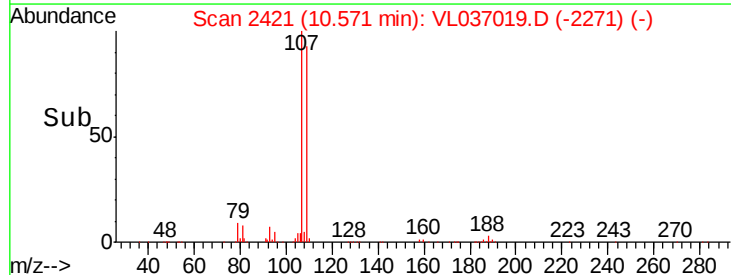
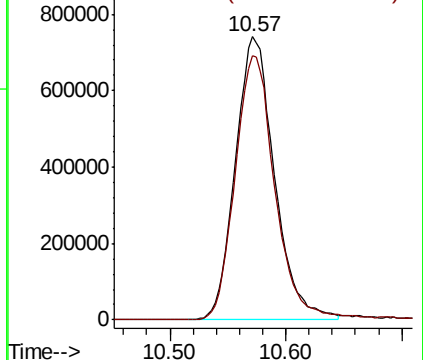
107 100

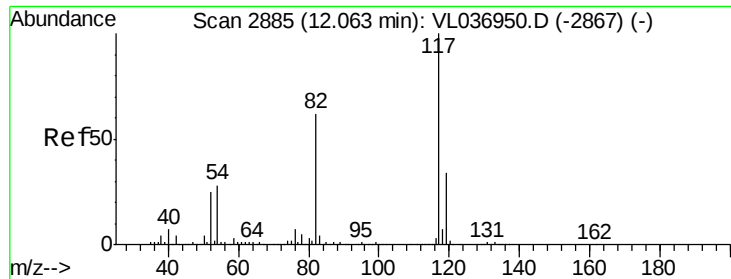
109 93.3 75.0 112.4



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V





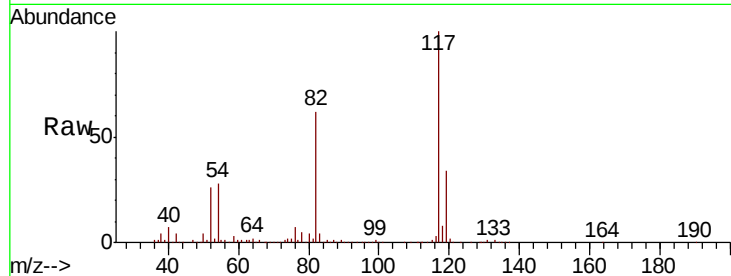
#55
Chlorobenzene-d5
Concen: 10.000 ppbv m
RT: 12.05 min Scan# 2880
Delta R.T. -0.02 min
Lab File: VL037019.D
Acq: 20 May 2021 9:26

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

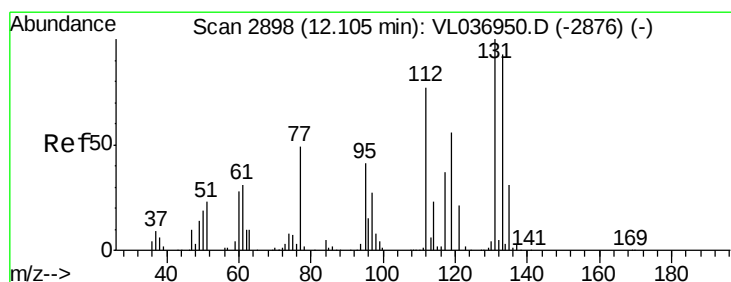
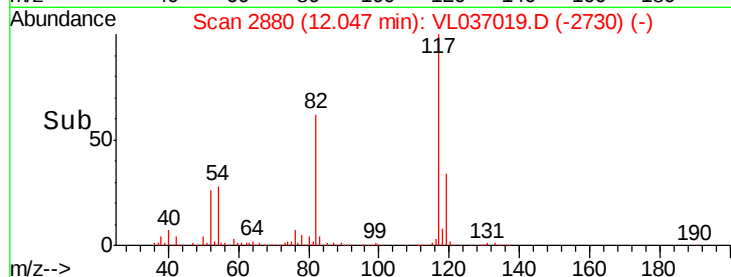
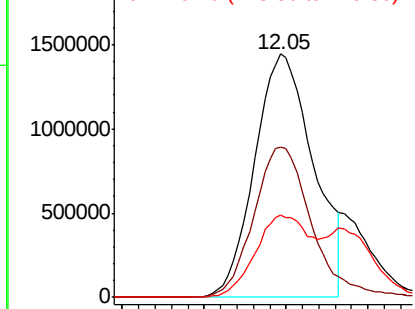
Tot Ion:117 Resp: 3622749
Ion Ratio Lower Upper
117 100
82 61.1 52.6 79.0
119 33.1 46.6 70.0#

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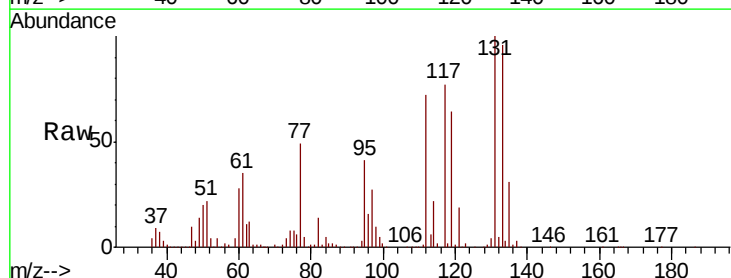


Abundance Ion 117.10 (116.80 to 117.80): V
Ion 82.10 (81.80 to 82.80): VL0
Ion 119.10 (118.80 to 119.80): V

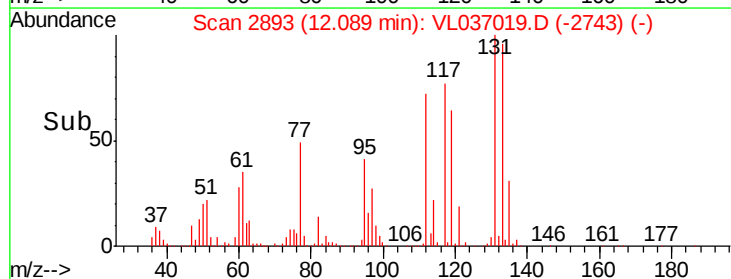
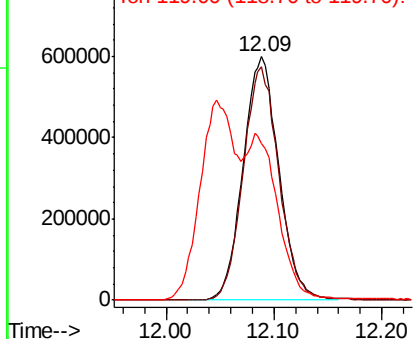


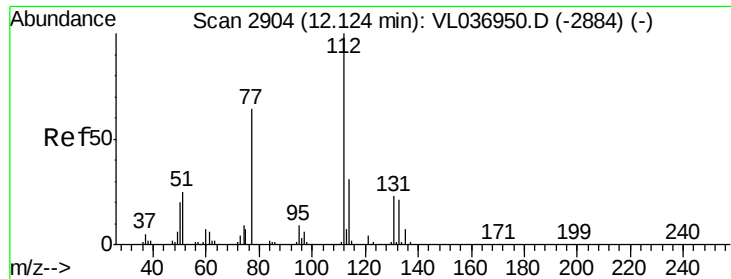
#56
1,1,1,2-Tetrachloroethane
Concen: 9.056 ppbv
RT: 12.09 min Scan# 2893
Delta R.T. -0.02 min
Lab File: VL037019.D
Acq: 20 May 2021 9:26

Tgt Ion:131 Resp: 1380374
Ion Ratio Lower Upper
131 100
133 96.1 76.9 115.3
119 57.6 120.2 180.4#



Abundance Ion 131.00 (130.70 to 131.70): V
Ion 133.00 (132.70 to 133.70): V
Ion 119.00 (118.70 to 119.70): V





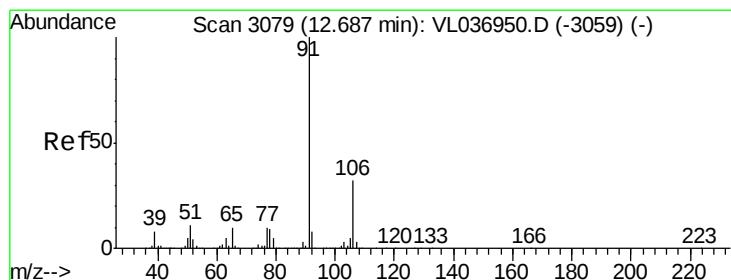
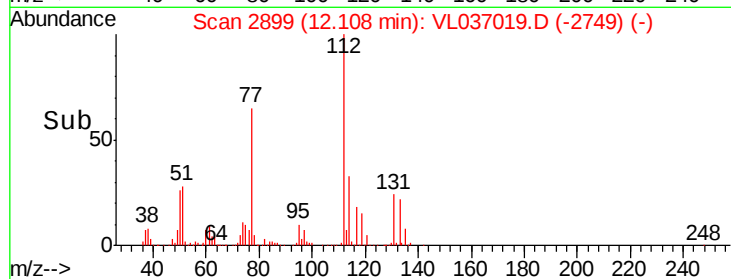
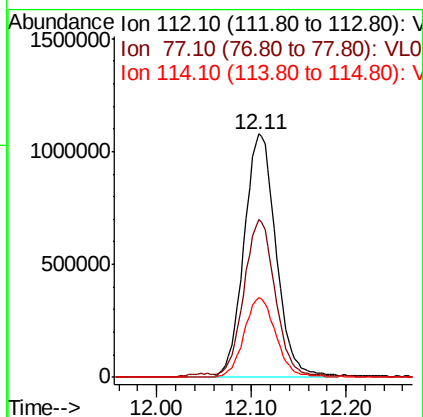
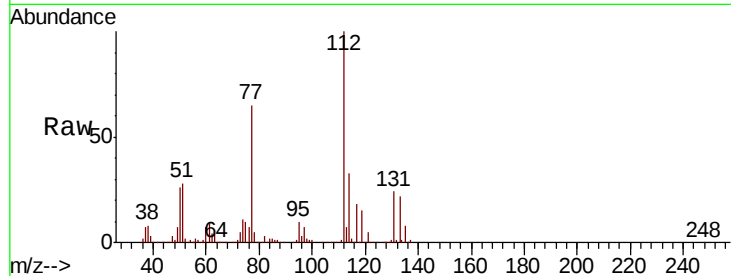
#57
Chlorobenzene
Concen: 9.020 ppbv
RT: 12.11 min Scan# 2899
Delta R.T. -0.02 min
Lab File: VL037019.D
Acq: 20 May 2021 9:26

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
112	100		
77	64.1	51.0	76.6
114	33.0	28.3	34.5

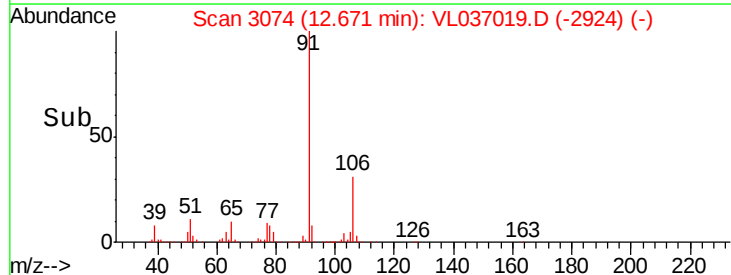
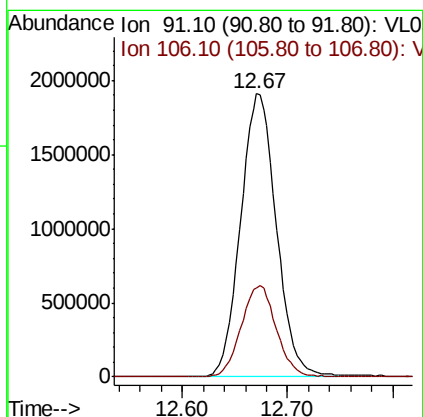
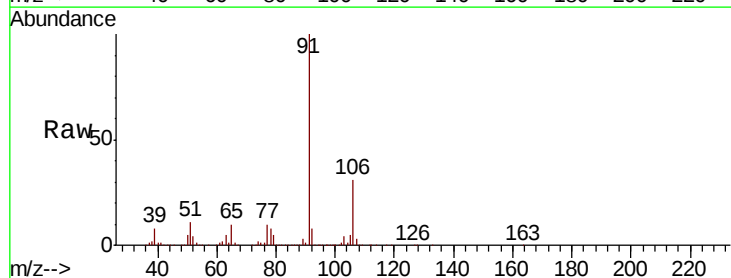
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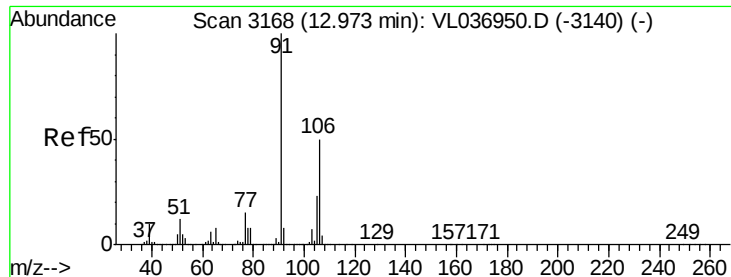
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#58
Ethyl Benzene
Concen: 8.812 ppbv
RT: 12.67 min Scan# 3074
Delta R.T. -0.02 min
Lab File: VL037019.D
Acq: 20 May 2021 9:26

Tgt Ion	Ratio	Lower	Upper
91	100		
106	31.4	25.6	38.4





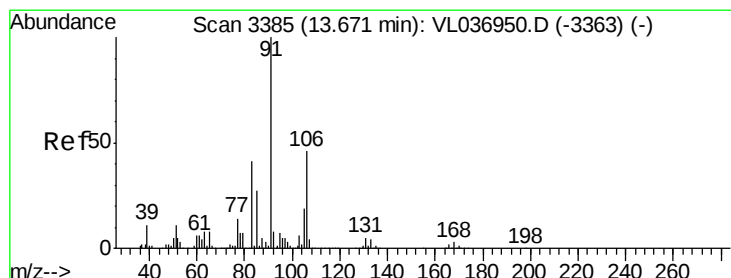
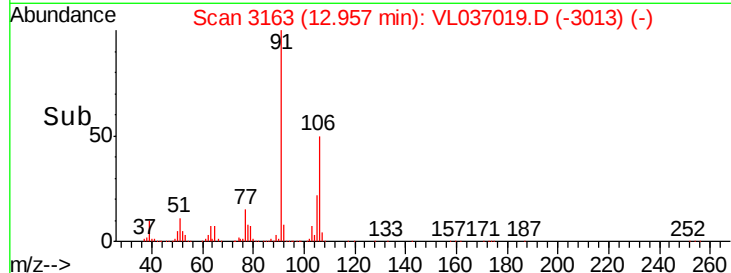
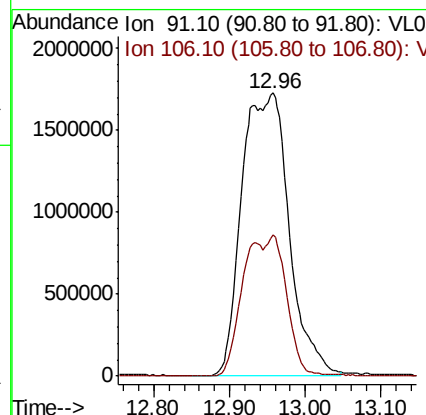
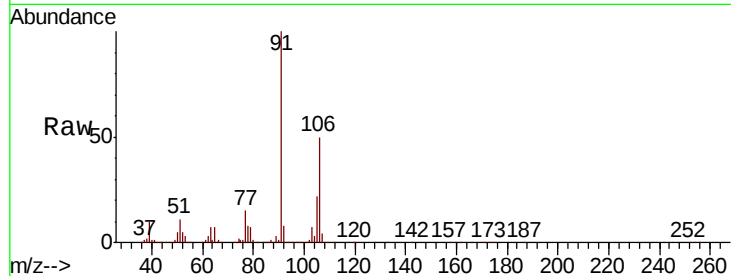
#59
m/p-Xylene
Concen: 17.744 ppbv m
RT: 12.96 min Scan# 3163
Delta R.T. -0.02 min
Lab File: VL037019.D
Acq: 20 May 2021 9:26

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 91 Resp: 7499557
Ion Ratio Lower Upper
91 100
106 45.8 37.4 56.2

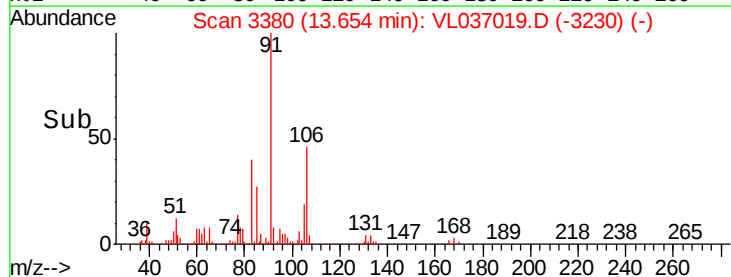
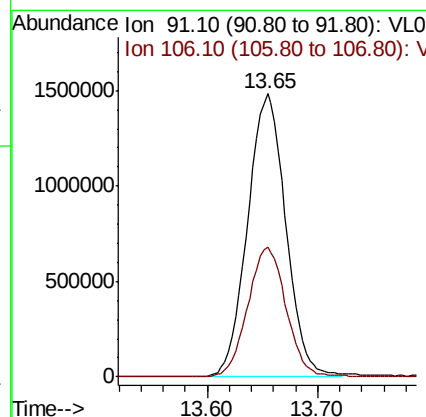
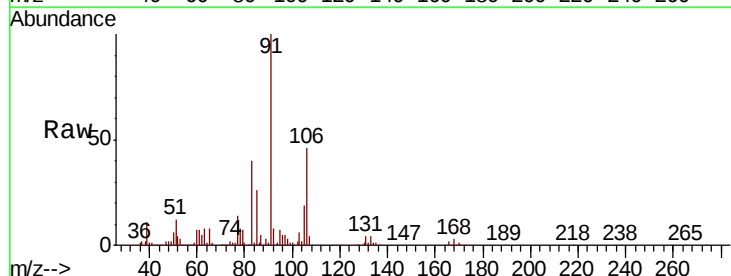
Manual Integrations
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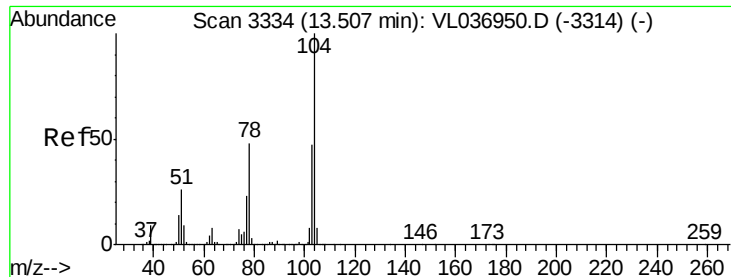
MMDadoda
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#60
o-Xylene
Concen: 8.811 ppbv
RT: 13.65 min Scan# 3380
Delta R.T. -0.02 min
Lab File: VL037019.D
Acq: 20 May 2021 9:26

Tgt Ion: 91 Resp: 3551646
Ion Ratio Lower Upper
91 100
106 46.0 23.4 70.3





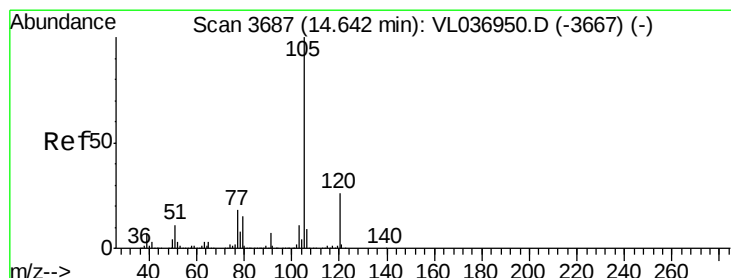
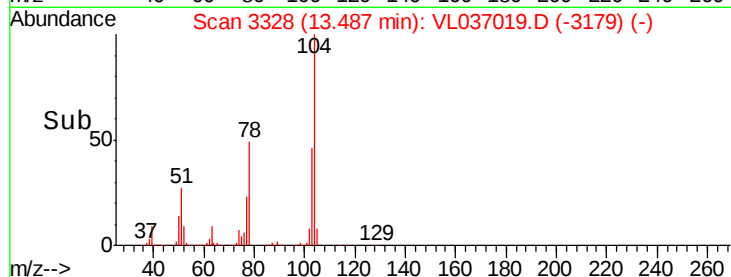
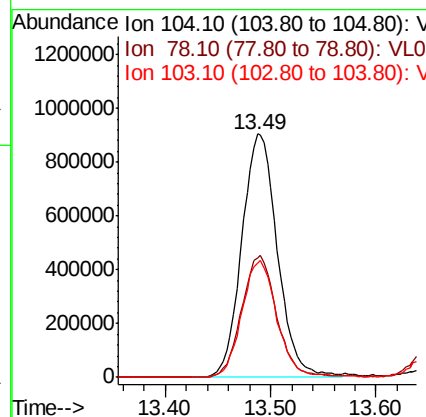
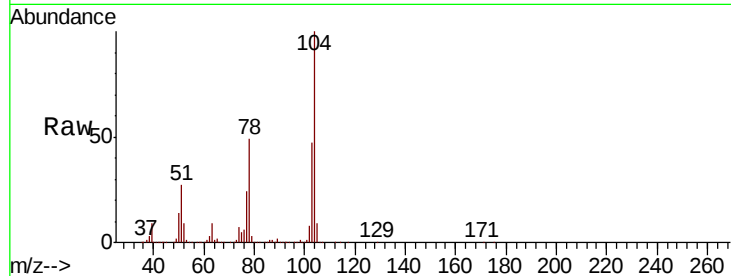
#61
Stvrene
Concen: 9.360 ppbv
RT: 13.49 min Scan# 3328
Delta R.T. -0.02 min
Lab File: VL037019.D
Acq: 20 May 2021 9:26

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
104	100		
78	49.8	39.0	58.6
103	47.6	38.0	57.0

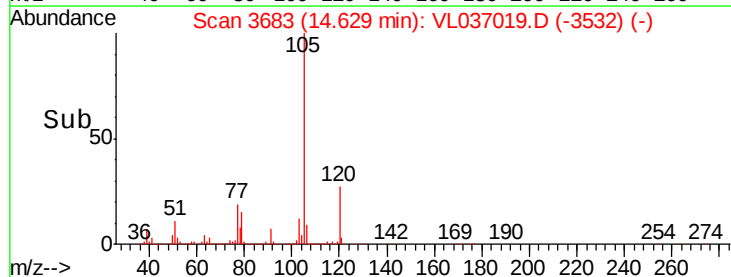
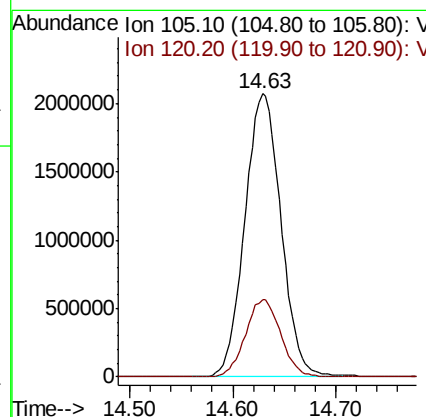
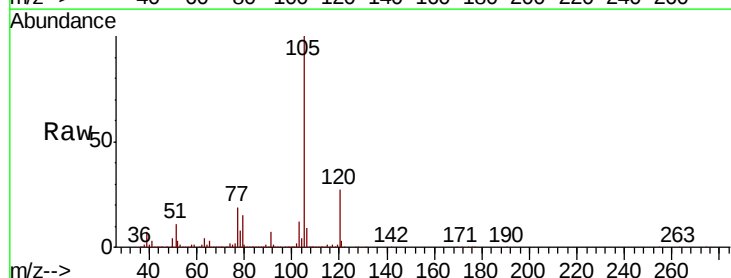
Manual Integrations
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#62
Isopropylbenzene
Concen: 8.722 ppbv
RT: 14.63 min Scan# 3683
Delta R.T. -0.01 min
Lab File: VL037019.D
Acq: 20 May 2021 9:26

Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.9	21.7	32.5





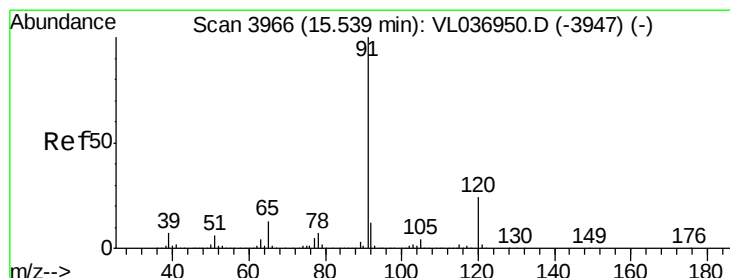
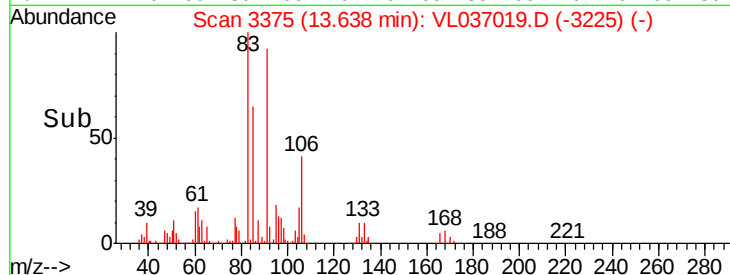
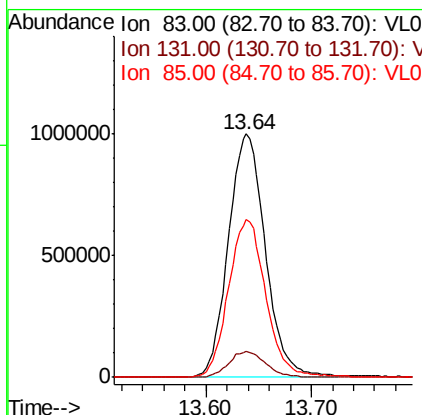
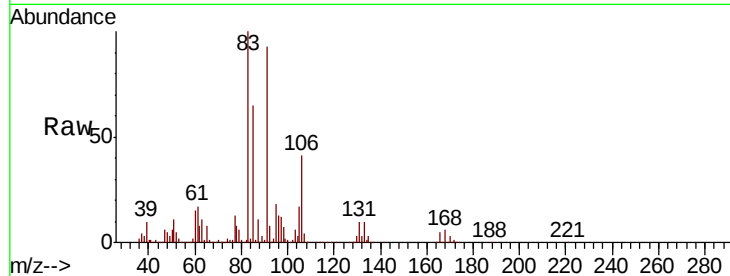
#63
 1,1,2,2-Tetrachloroethane
 Concen: 8.062 ppbv
 RT: 13.64 min Scan# 3375
 Delta R.T. -0.02 min
 Lab File: VL037019.D
 Acq: 20 May 2021 9:26

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion	Ratio	Lower	Upper
83	100		
131	10.6	5.0	15.0
85	66.0	32.9	98.6

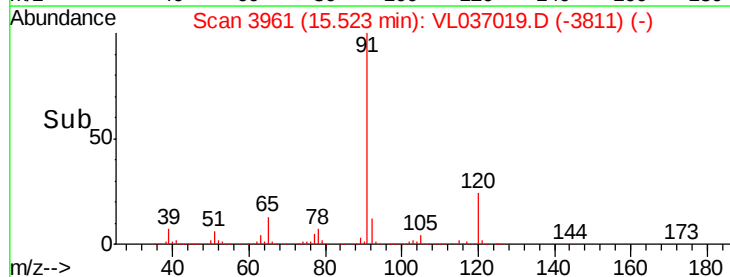
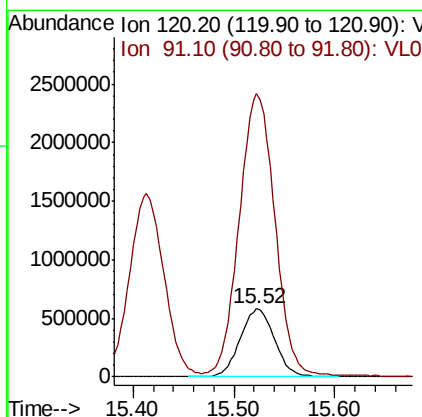
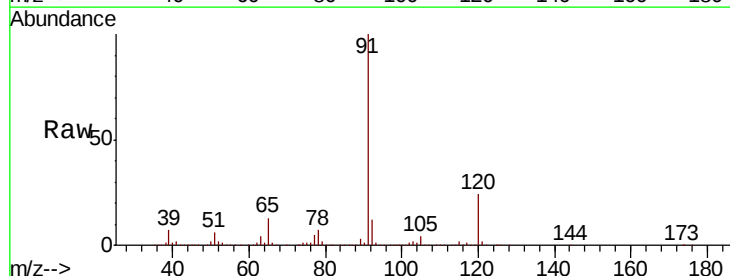
Manual Integrations
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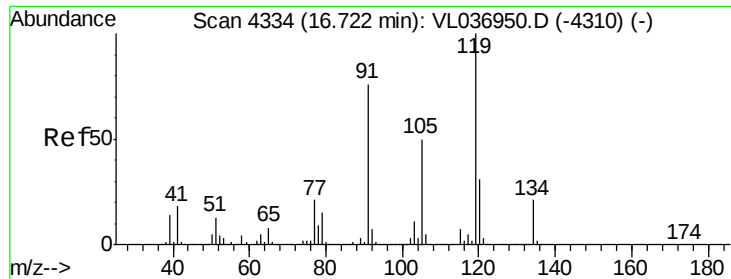
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#64
 n-propylbenzene
 Concen: 9.203 ppbv
 RT: 15.52 min Scan# 3961
 Delta R.T. -0.02 min
 Lab File: VL037019.D
 Acq: 20 May 2021 9:26

Tgt Ion	Ratio	Lower	Upper
120	100		
91	433.7	343.8	515.6





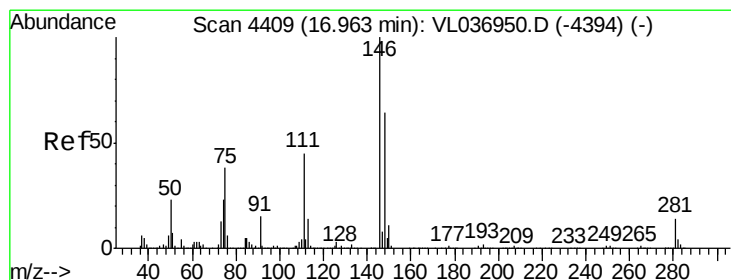
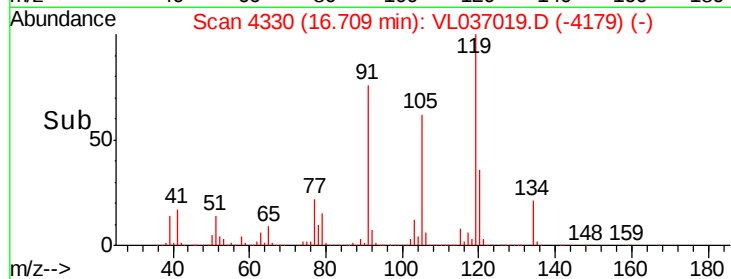
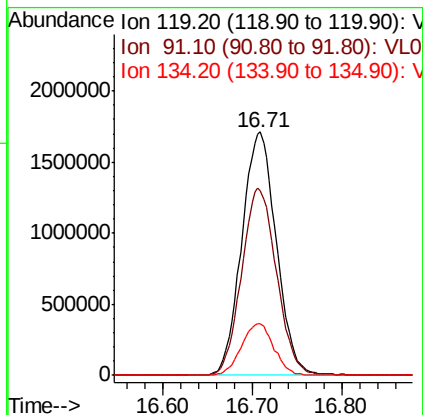
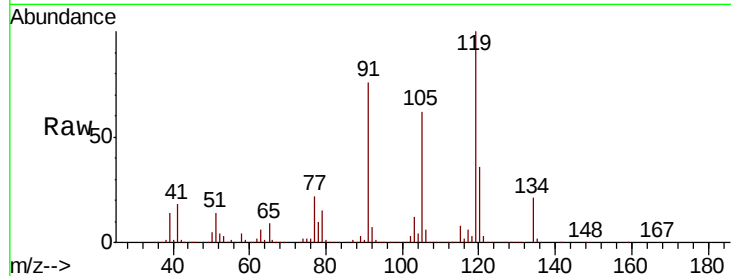
#65
tert-Butylbenzene
Concen: 8.817 ppbv
RT: 16.71 min Scan# 4330
Delta R.T. -0.01 min
Lab File: VL037019.D
Acq: 20 May 2021 9:26

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion:119 Resp: 4609194
Ion Ratio Lower Upper
119 100
91 77.9 61.9 92.9
134 20.1 16.2 24.4

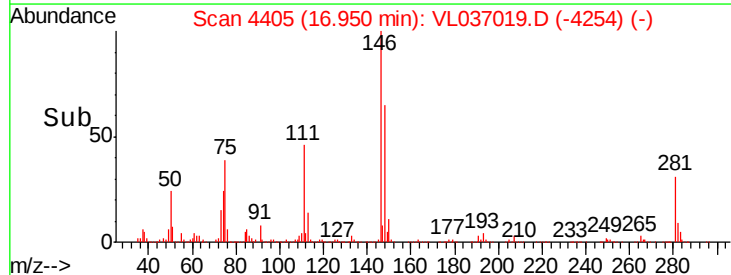
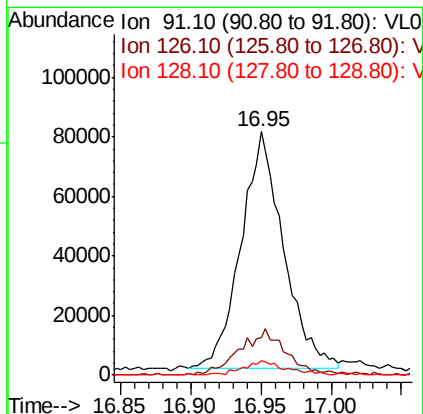
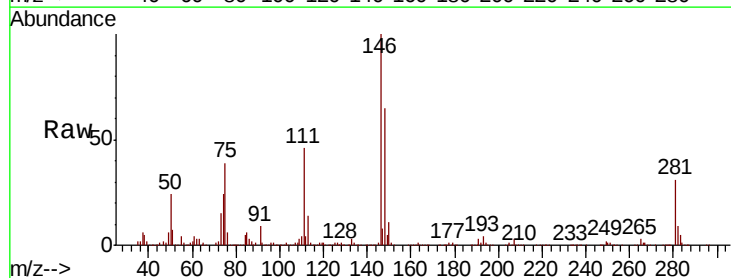
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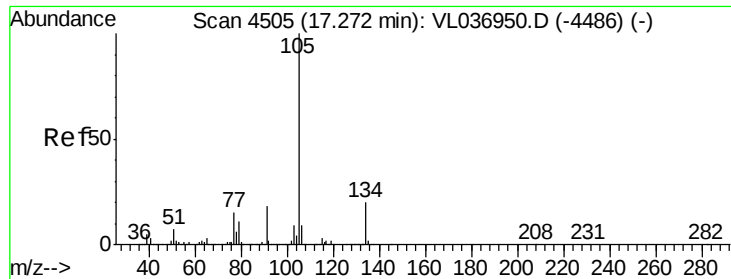
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#66
Benzyl Chloride
Concen: 5.778 ppbv
RT: 16.95 min Scan# 4405
Delta R.T. -0.01 min
Lab File: VL037019.D
Acq: 20 May 2021 9:26

Tgt Ion: 91 Resp: 167588
Ion Ratio Lower Upper
91 100
126 22.0 16.5 24.7
128 6.1 5.5 8.3





#67

sec-Butylbenzene

Concen: 8.787 ppbv

RT: 17.26 min Scan# 4500

Delta R.T. -0.02 min

Lab File: VL037019.D

Acq: 20 May 2021 9:26

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 105 Resp: 6266050

Ion Ratio Lower Upper

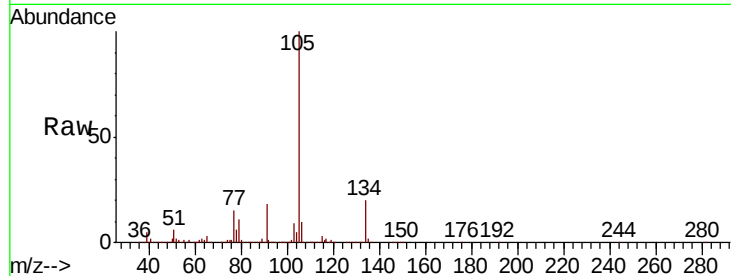
105 100

134 19.5 15.6 23.4

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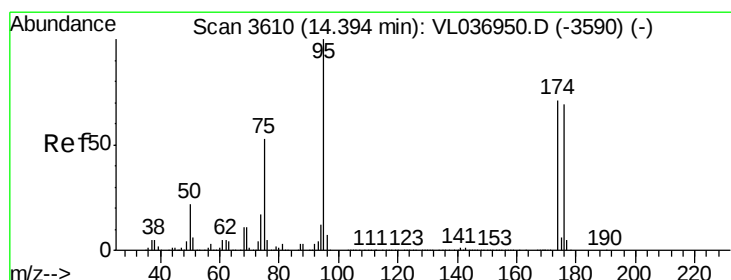
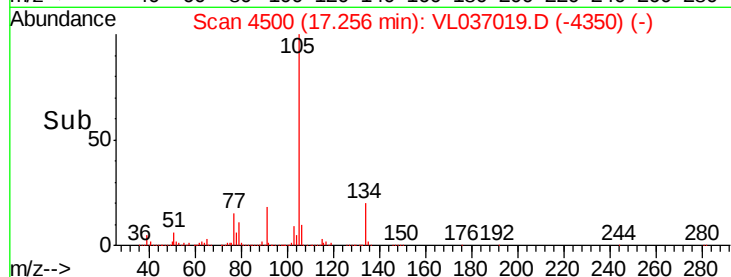
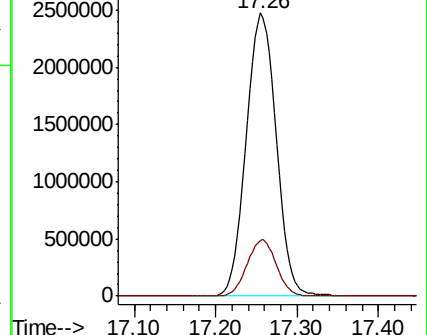
MMDadoda

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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: 9.787 ppbv

RT: 14.37 min Scan# 3604

Delta R.T. -0.02 min

Lab File: VL037019.D

Acq: 20 May 2021 9:26

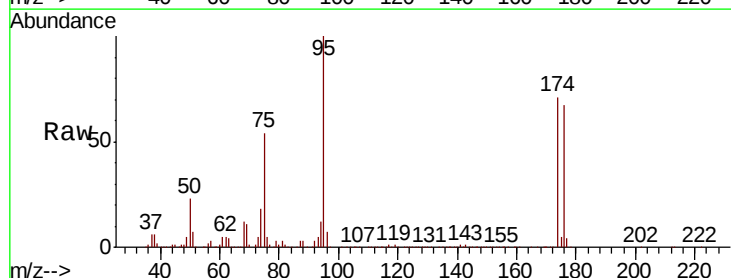
Tgt Ion: 95 Resp: 2663523

Ion Ratio Lower Upper

95 100

174 72.1 58.4 87.6

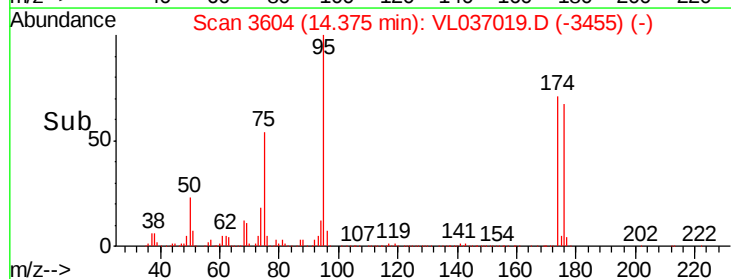
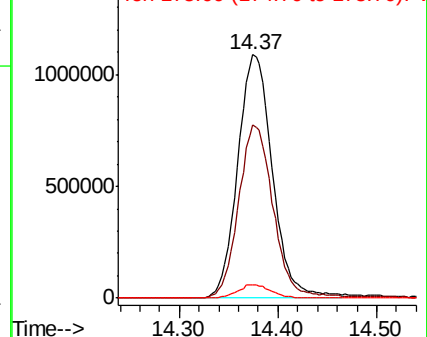
175 5.5 4.4 6.6

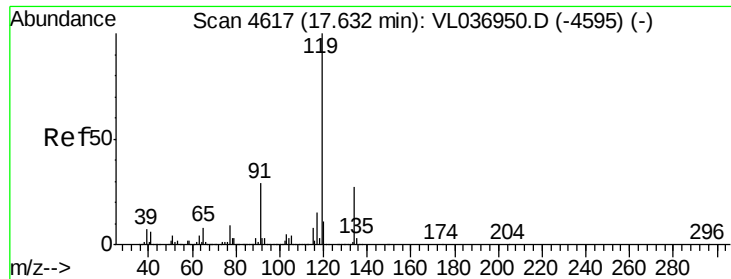


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V





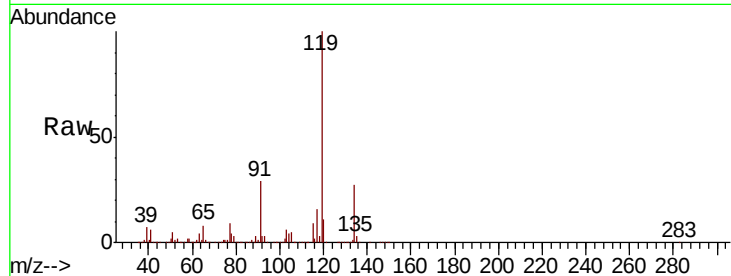
#69
p-Isopropyltoluene
Concen: 8.949 ppbv
RT: 17.62 min Scan# 4612
Delta R.T. -0.02 min
Lab File: VL037019.D
Acq: 20 May 2021 9:26

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
119	100		
134	26.3	21.2	31.8
91	28.4	22.2	33.4

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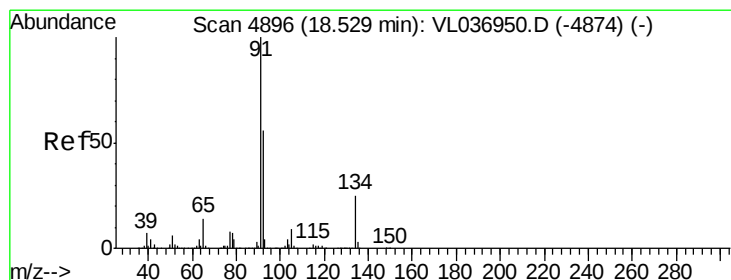
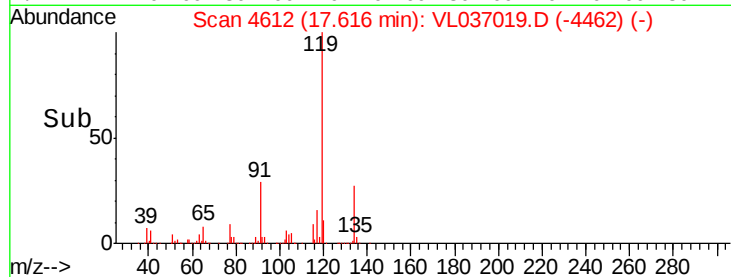
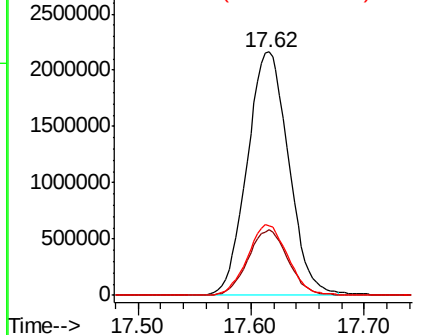


Abundance

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: 9.227 ppbv
RT: 18.51 min Scan# 4891
Delta R.T. -0.02 min
Lab File: VL037019.D
Acq: 20 May 2021 9:26

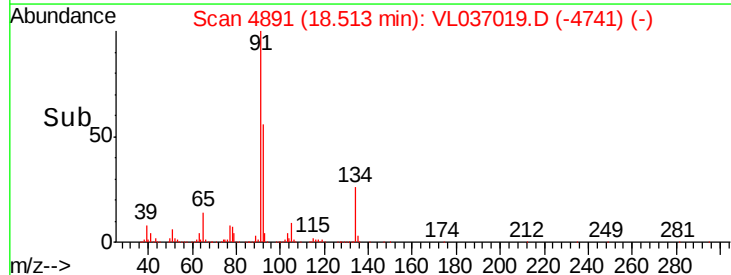
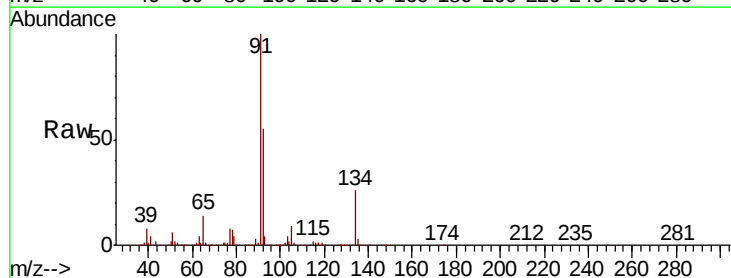
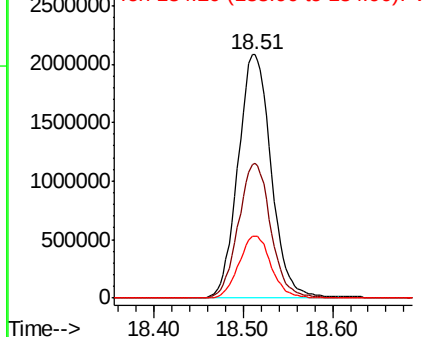
Tgt Ion	Ratio	Lower	Upper
91	100		
92	54.6	44.6	66.8
134	25.0	20.2	30.2

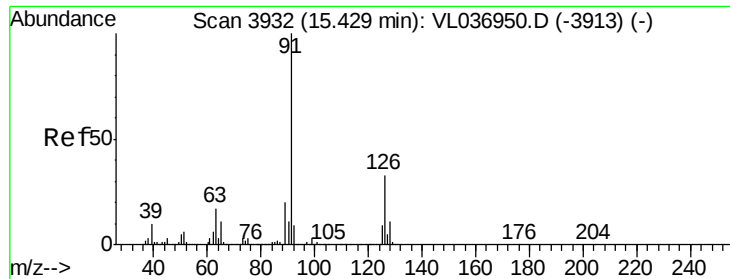
Abundance

Ion 91.10 (90.80 to 91.80): V

Ion 92.10 (91.80 to 92.80): V

Ion 134.20 (133.90 to 134.90): V





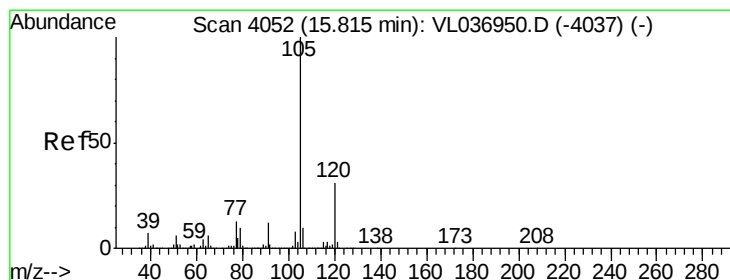
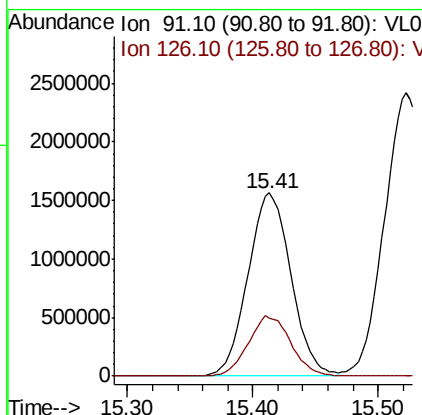
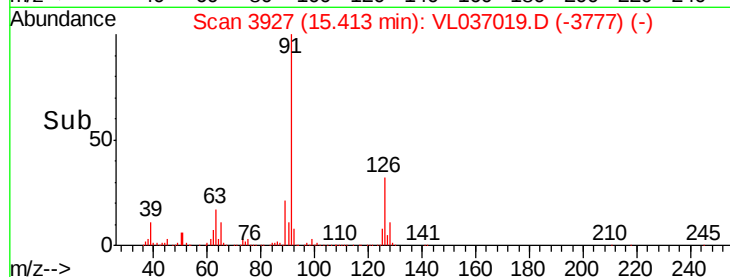
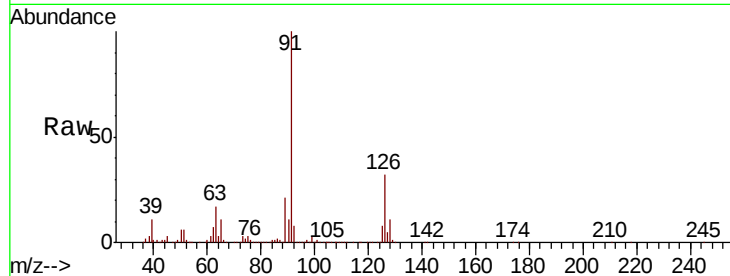
#71
 2-Chlorotoluene
 Concen: 8.919 ppbv
 RT: 15.41 min Scan# 3927
 Delta R.T. -0.02 min
 Lab File: VL037019.D
 Acq: 20 May 2021 9:26

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion: 91 Resp: 3731728
 Ion Ratio Lower Upper
 91 100
 126 33.3 13.1 52.5

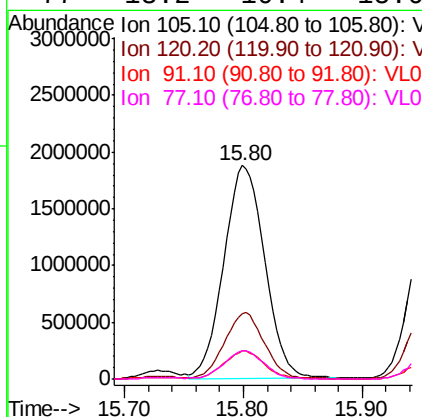
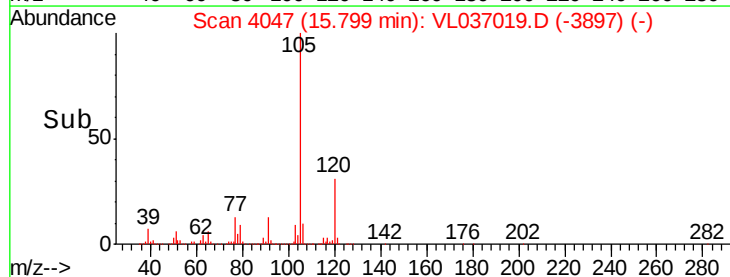
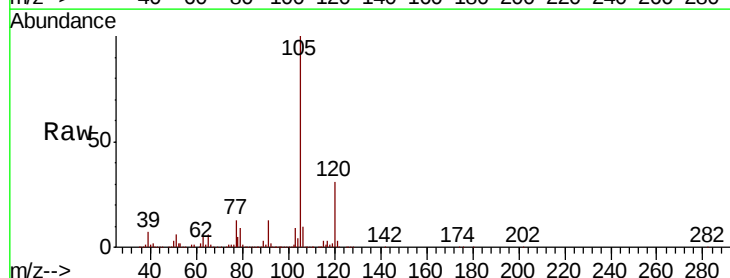
Manual Integrations
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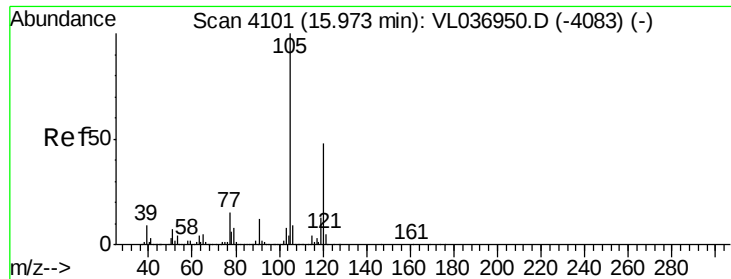
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#72
 4-Ethyltoluene
 Concen: 9.320 ppbv
 RT: 15.80 min Scan# 4047
 Delta R.T. -0.02 min
 Lab File: VL037019.D
 Acq: 20 May 2021 9:26

Tgt Ion: 105 Resp: 4458878
 Ion Ratio Lower Upper
 105 100
 120 30.5 24.6 37.0
 91 12.6 9.8 14.6
 77 13.2 10.4 15.6





#73

1,3,5-Trimethylbenzene

Concen: 9.071 ppbv

RT: 15.96 min Scan# 4097

Delta R.T. -0.01 min

Lab File: VL037019.D

Acq: 20 May 2021 9:26

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion:105 Resp: 4075191

Ion Ratio Lower Upper

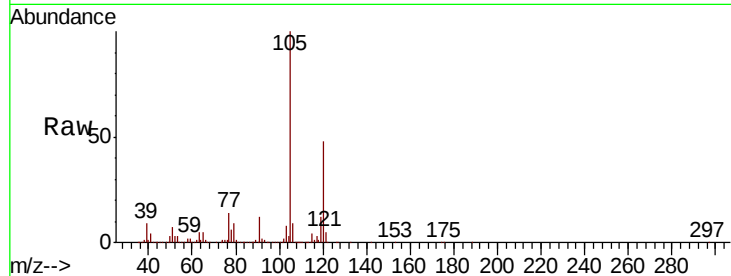
105 100

120 48.2 38.6 58.0

Manual Integrations
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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

2000000

1500000

1000000

500000

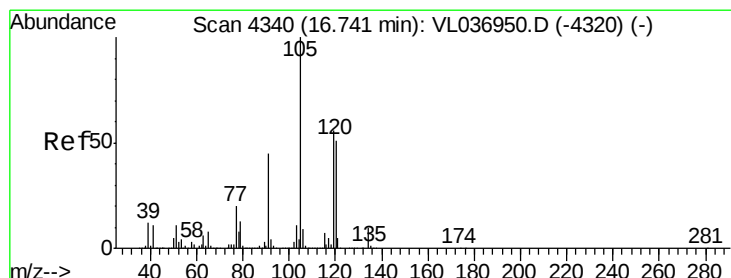
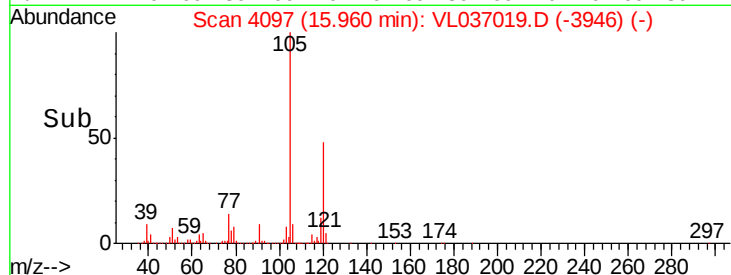
0

15.90

15.96

16.00

Time-->



#74

1,2,4-Trimethylbenzene

Concen: 9.067 ppbv

RT: 16.73 min Scan# 4335

Delta R.T. -0.02 min

Lab File: VL037019.D

Acq: 20 May 2021 9:26

Tgt Ion:105 Resp: 4211919

Ion Ratio Lower Upper

105 100

120 50.1 40.6 61.0

91 47.0 37.4 56.0

77 21.8 16.2 24.4

Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

2500000

2000000

1500000

1000000

500000

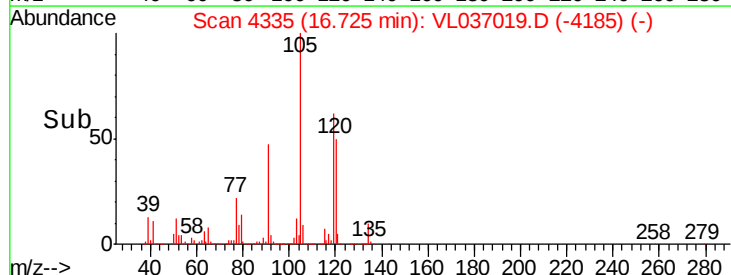
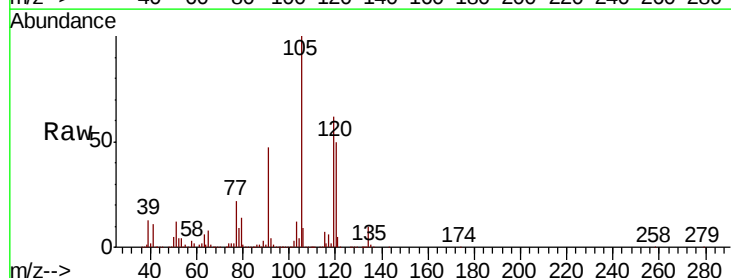
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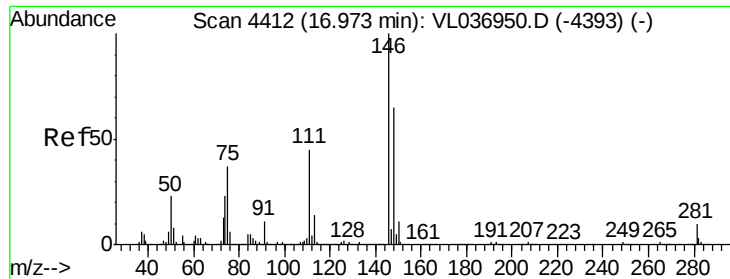
16.60

16.73

16.80

Time-->





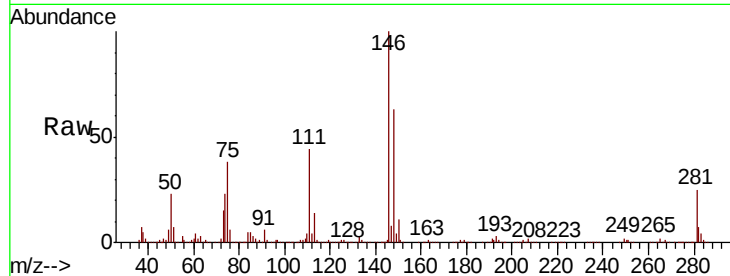
#75
 1,3-Dichlorobenzene
 Concen: 9.102 ppbv
 RT: 16.96 min Scan# 4407
 Delta R.T. -0.02 min
 Lab File: VL037019.D
 Acq: 20 May 2021 9:26

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.6	22.2	66.6
148	64.7	32.3	96.8

Manual Integrations
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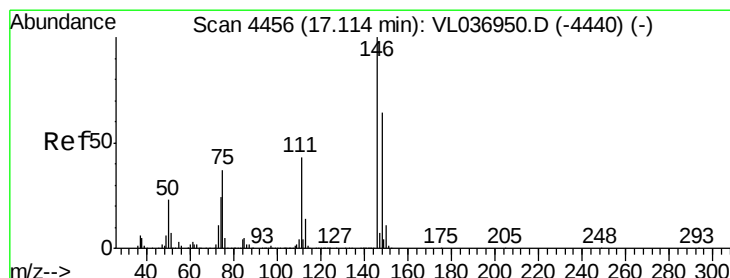
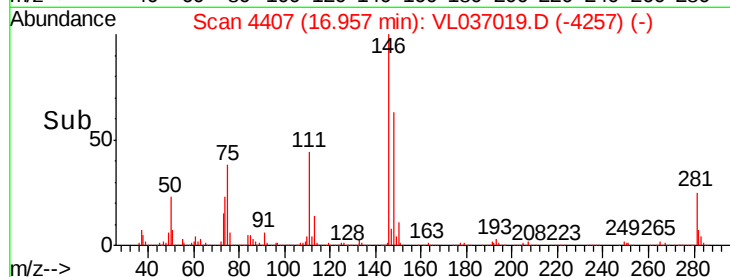
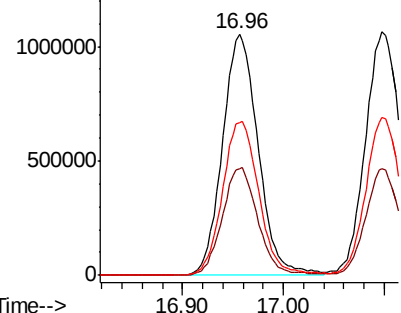


Abundance

Ion 146.00 (145.70 to 146.70): V

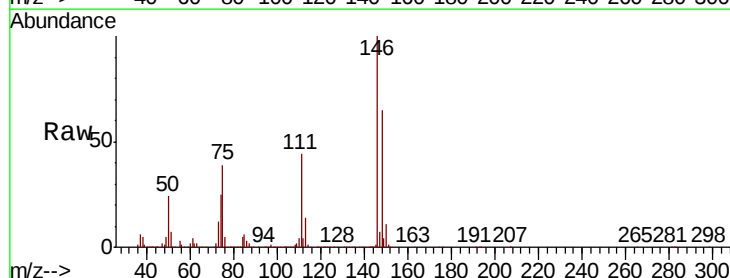
Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V



#76
 1,4-Dichlorobenzene
 Concen: 8.920 ppbv
 RT: 17.10 min Scan# 4451
 Delta R.T. -0.02 min
 Lab File: VL037019.D
 Acq: 20 May 2021 9:26

Tgt Ion	Ratio	Lower	Upper
146	100		
111	44.3	22.6	67.7
148	66.9	33.5	100.5

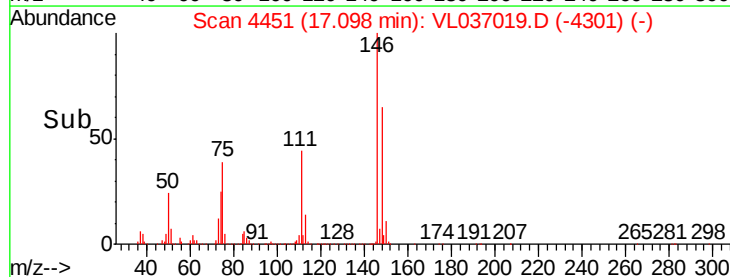
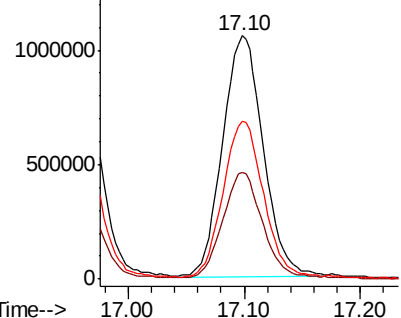


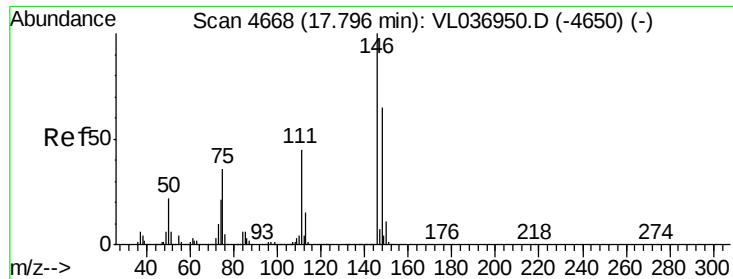
Abundance

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





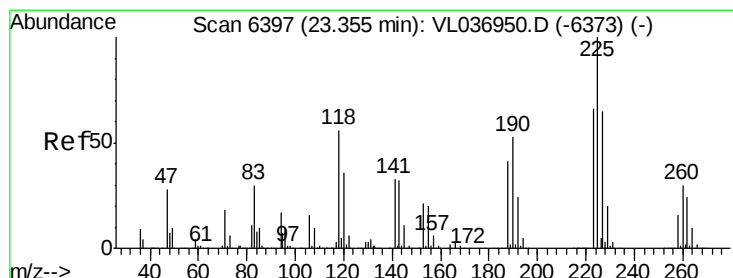
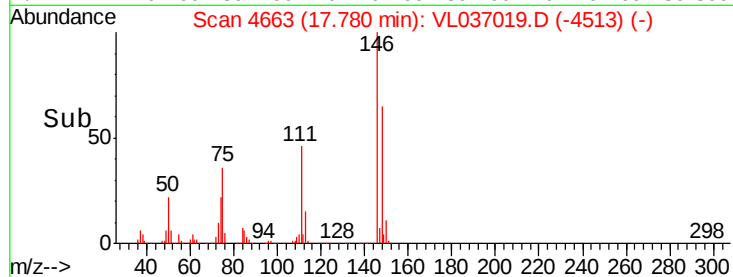
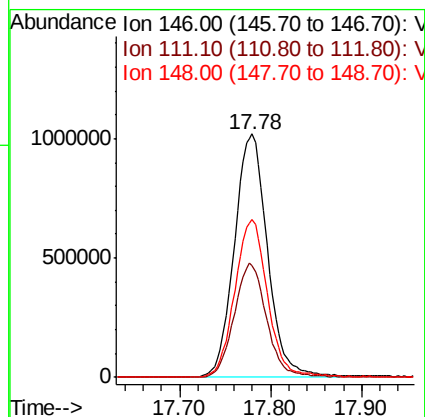
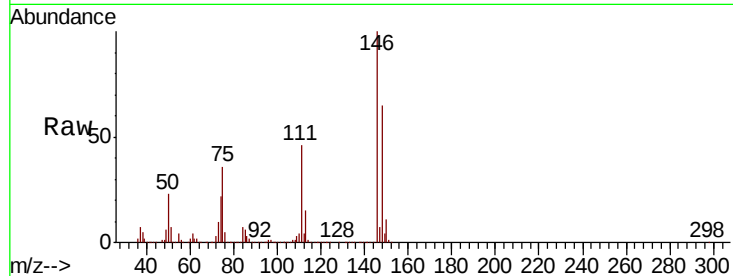
#77
 1,2-Dichlorobenzene
 Concen: 9.019 ppbv
 RT: 17.78 min Scan# 4663
 Delta R.T. -0.02 min
 Lab File: VL037019.D
 Acq: 20 May 2021 9:26

Instrument :
 MSVOA_L
 ClientSampled :
 VSTDCCC010

Tot Ion:146 Resp: 2563389
 Ion Ratio Lower Upper
 146 100
 111 46.3 23.1 69.2
 148 64.8 32.5 97.4

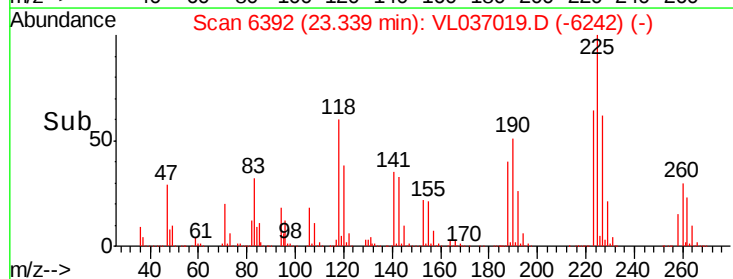
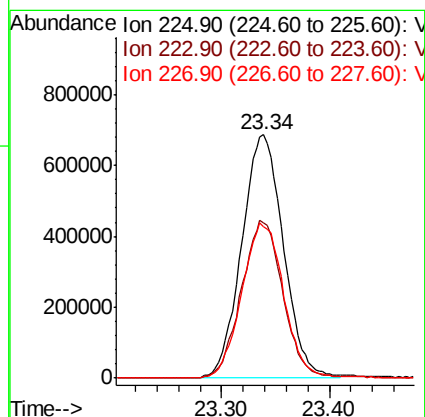
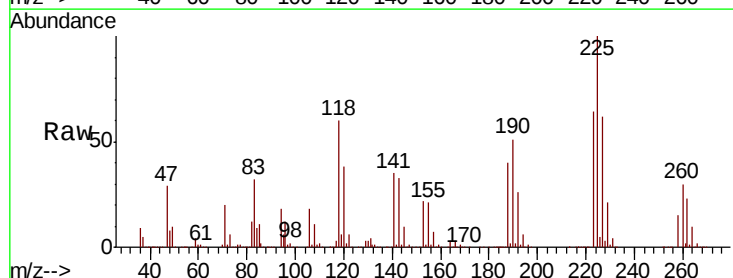
Manual Integrations
 APPROVED

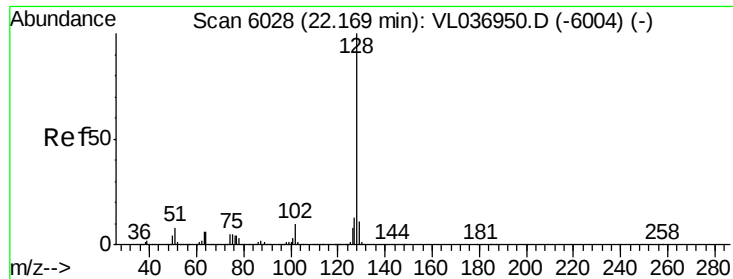
MMDadoda
 5/24/2021 3:23:34 PM



#78
 Hexachloro-1,3-Butadiene
 Concen: 8.065 ppbv
 RT: 23.34 min Scan# 6392
 Delta R.T. -0.02 min
 Lab File: VL037019.D
 Acq: 20 May 2021 9:26

Tgt Ion:225 Resp: 1843270
 Ion Ratio Lower Upper
 225 100
 223 64.8 51.9 77.9
 227 64.6 51.8 77.6





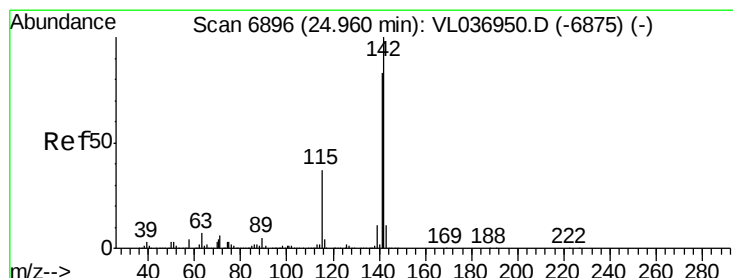
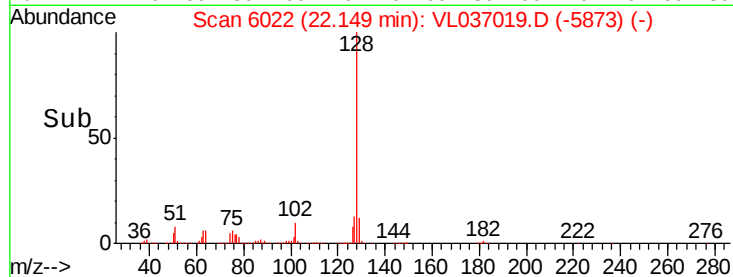
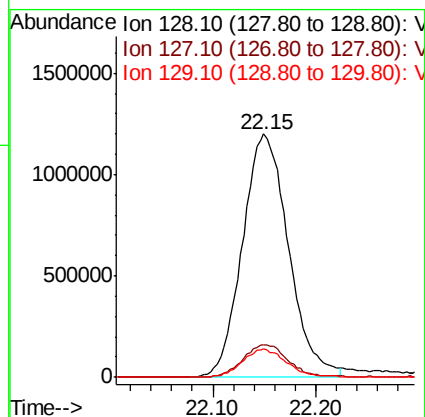
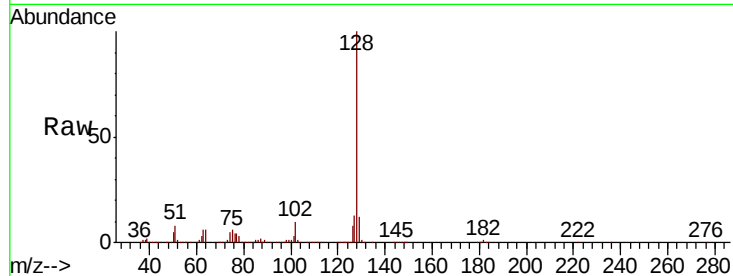
#79
Naphthalene
Concen: 10.205 ppbv
RT: 22.15 min Scan# 6022
Delta R.T. -0.02 min
Lab File: VL037019.D
Acq: 20 May 2021 9:26

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.4	10.4	15.6
129	11.9	9.0	13.6

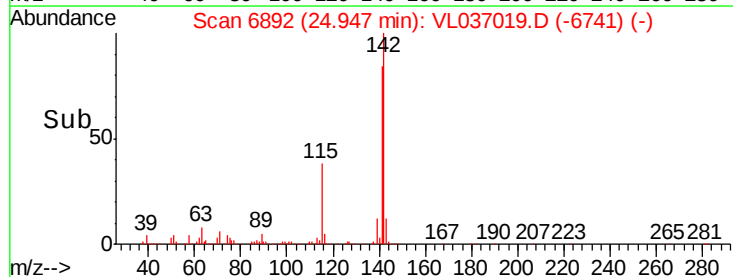
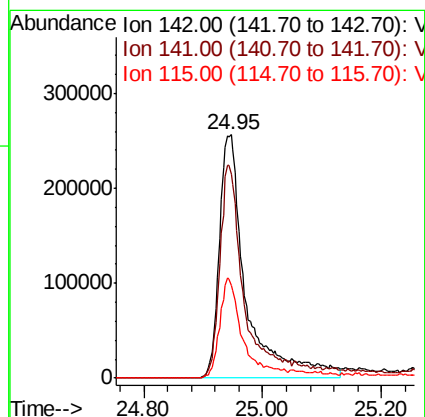
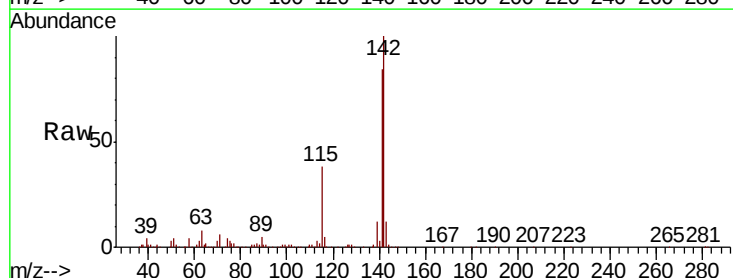
Manual Integrations
APPROVED

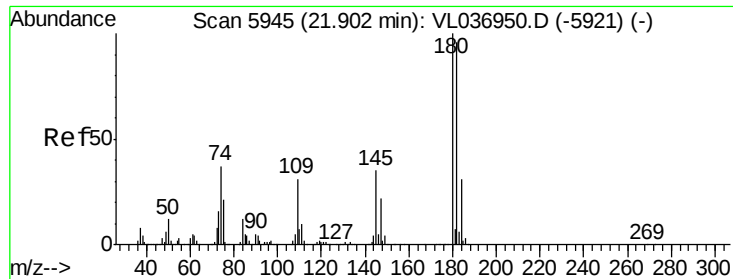
MMDadoda
5/24/2021 3:23:34 PM



#80
Naphthalene, 2-methyl-
Concen: 10.179 ppbv
RT: 24.95 min Scan# 6892
Delta R.T. -0.01 min
Lab File: VL037019.D
Acq: 20 May 2021 9:26

Tgt Ion	Ratio	Lower	Upper
142	100		
141	85.3	69.3	103.9
115	38.5	29.1	43.7





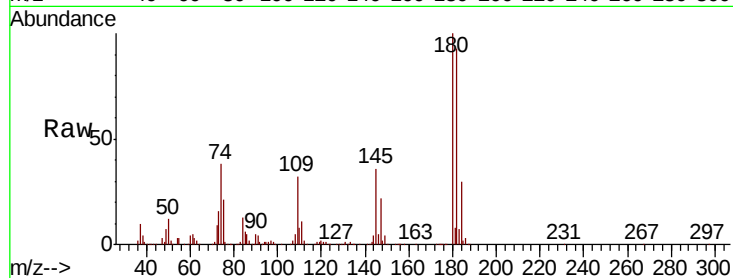
#81
 1,2,4-Trichlorobenzene
 Concen: 9.498 ppbv
 RT: 21.89 min Scan# 5940
 Delta R.T. -0.02 min
 Lab File: VL037019.D
 Acq: 20 May 2021 9:26

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion	Ratio	Lower	Upper
180	100		
182	101.2	81.7	122.5
184	32.3	24.9	37.3

Manual Integrations
 APPROVED

MMDadoda
 5/24/2021 3:23:34 PM



Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 184.00 (183.70 to 184.70): V

