

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL061621\
 Data File : VL037193.D
 Acq On : 17 Jun 2021 7:23
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleID :
 VSTDCCC010EC

Manual Integrations
 APPROVED

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 6/17/2021 5:38:56 PM

Quant Time: Jun 17 09:55:41 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL061621AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Jun 17 09:55:41 2021
 QLast Update : Wed Jun 16 14:06:32 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	1515910	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	4448962	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.09	117	4111713m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.41	95	3223115	10.34	ppbv	-0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.40%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.05	85	2648643	10.046	ppbv 99
3) Chlorodifluoromethane	2.99	51	2720494	9.229	ppbv 99
4) Chloromethane	3.14	50	949063	9.661	ppbv 99
5) Vinyl Chloride	3.26	62	1019885	9.446	ppbv 100
6) Bromomethane	3.47	94	631829	9.809	ppbv 97
7) Chloroethane	3.56	64	369973	9.587	ppbv 98
8) Dichlorotetrafluoroethane	3.19	85	2526151	9.340	ppbv 100
9) Propene	3.01	41	891005	9.454	ppbv 100
10) Heptane	8.12	43	2256724	9.887	ppbv 100
11) Trichlorofluoromethane	3.95	101	2627711	9.341	ppbv 98
12) 1,1,2-Trichlorotrifluoroet	4.48	101	1902473	9.594	ppbv 100
13) Ethanol	3.61	45	137255m	9.414	ppbv
14) Bromoethene	3.74	108	818868	9.894	ppbv 99
15) Acetone	3.85	43	1364881	7.984	ppbv 98
16) 1,3-Butadiene	3.33	39	978649	9.684	ppbv 98
17) tert-Butyl alcohol	4.29	59	1664832	10.537	ppbv 99
18) 1,1-Dichloroethene	4.29	96	836035	9.514	ppbv 98
19) Isopropyl Alcohol	3.97	45	1021305	9.864	ppbv 99
20) Methylene Chloride	4.34	84	746637	7.296	ppbv 95
21) Allyl Chloride	4.41	41	1206698	9.365	ppbv 95
22) trans-1,2-Dichloroethene	4.88	96	854116	9.823	ppbv 99
23) Vinyl Acetate	5.07	43	2504085	10.216	ppbv 99
24) 1,1-Dichloroethane	5.01	63	1950077	9.881	ppbv 100
25) Ethyl Acetate	5.68	43	3554242	9.604	ppbv 99
26) Hexane	5.69	57	1713851	9.163	ppbv 99
27) Carbon Disulfide	4.55	76	1944519	10.611	ppbv 99
28) Methyl tert-Butyl Ether	5.03	73	2227958	9.908	ppbv 99
29) Chloroform	5.75	83	2733249	9.460	ppbv 97
30) Cyclohexane	7.13	84	1479018	9.490	ppbv 100
31) cis-1,2-Dichloroethene	5.55	61	1721195	10.014	ppbv 99
32) 1,1,1-Trichloroethane	6.51	97	2827782	9.146	ppbv 100
34) 2-Butanone	5.25	43	1697794	9.812	ppbv 98
35) Carbon Tetrachloride	7.02	117	2976844	9.976	ppbv 98
36) Benzene	6.89	78	3535431	9.827	ppbv 100
37) 1,2-Dichloroethane	6.31	62	2070455	9.907	ppbv 100
38) Trichloroethene	7.84	130	1502712	8.787	ppbv 97
39) 1,2-Dichloropropane	7.61	63	1342491	10.042	ppbv 98
40) 1,4-Dioxane	7.83	88	366285	9.992	ppbv 93
41) Tetrahydrofuran	6.05	42	840192	10.454	ppbv 99
42) Bromodichloromethane	7.79	83	2899359	10.056	ppbv 100
43) Methyl Methacrylate	8.01	69	1306414	10.515	ppbv 99

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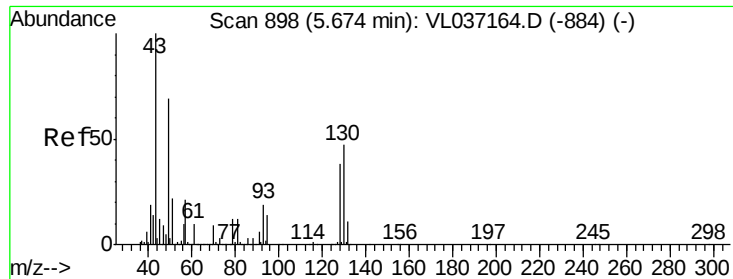
Manual Integrations
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Quant Time: Jun 17 09:55:41 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL061621AIR.M
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.87	57	5817093	9.602	ppbv	100
45) t-1,3-Dichloropropene	9.28	75	1314545	11.992	ppbv	99
46) cis-1,3-Dichloropropene	8.70	75	1672574	11.154	ppbv	98
47) 1,1,2-Trichloroethane	9.47	97	1479126	9.698	ppbv	97
48) Dibromochloromethane	10.30	129	2619605	10.881	ppbv	99
49) Bromoform	13.04	173	2133228	11.893	ppbv	99
50) 4-Methyl-2-Pentanone	8.74	43	2491228	10.482	ppbv	100
51) 2-Hexanone	10.14	43	1294828	11.198	ppbv #	99
52) Tetrachloroethene	11.22	164	1465585	8.767	ppbv	98
53) Toluene	9.81	91	4248525	9.886	ppbv	100
54) 1,2-Dibromoethane	10.61	107	2267084	10.343	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.13	131	1810635	10.072	ppbv	97
57) Chlorobenzene	12.15	112	3226233	9.675	ppbv	95
58) Ethyl Benzene	12.71	91	5613234	9.917	ppbv	99
59) m/p-Xylene	13.00	91	9512233m	19.830	ppbv	
60) o-Xylene	13.69	91	4504778	9.863	ppbv	99
61) Styrene	13.53	104	2591595	10.994	ppbv	98
62) Isopropylbenzene	14.67	105	6243855	9.614	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.67	83	3023599	9.942	ppbv	99
64) n-propylbenzene	15.56	120	1699609	10.449	ppbv	98
65) tert-Butylbenzene	16.74	119	5709837	9.912	ppbv	100
66) Benzyl Chloride	16.99	91	273579	11.207	ppbv	99
67) sec-Butylbenzene	17.29	105	7600088	9.894	ppbv	100
69) p-Isopropyltoluene	17.65	119	6628802	10.217	ppbv	100
70) n-Butylbenzene	18.55	91	6300524	10.493	ppbv	100
71) 2-Chlorotoluene	15.45	91	4590100	10.108	ppbv	100
72) 4-Ethyltoluene	15.84	105	5482571	10.566	ppbv	100
73) 1,3,5-Trimethylbenzene	16.00	105	4925297	9.820	ppbv	99
74) 1,2,4-Trimethylbenzene	16.77	105	5219224	10.099	ppbv	95
75) 1,3-Dichlorobenzene	17.00	146	3234744	10.294	ppbv	100
76) 1,4-Dichlorobenzene	17.14	146	3130592	9.975	ppbv	99
77) 1,2-Dichlorobenzene	17.82	146	3093773	10.178	ppbv	99
78) Hexachloro-1,3-Butadiene	23.37	225	2038127	7.798	ppbv	99
79) Naphthalene	22.19	128	4098053	9.511	ppbv	99
80) Naphthalene, 2-methyl-	24.98	142	1183604	10.474	ppbv	95
81) 1,2,4-Trichlorobenzene	21.93	180	2271985	9.138	ppbv	98

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 min Scan# 896

Delta R.T. -0.01 min

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MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 49 Resp: 1515910

Ion Ratio Lower Upper

49 100

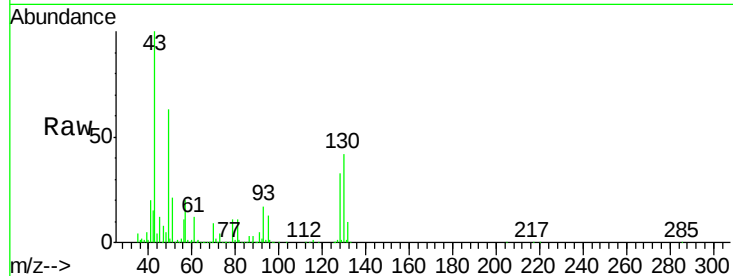
128 56.8 29.3 88.0

130 70.8 35.9 107.8

Manual Integrations
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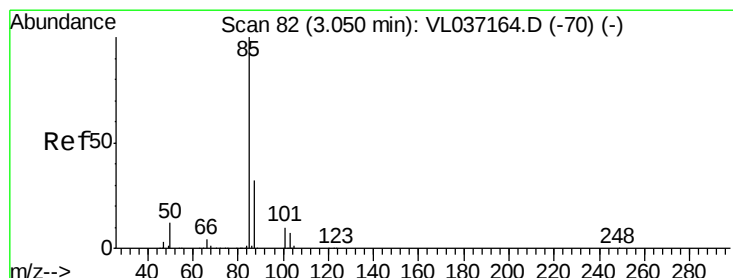
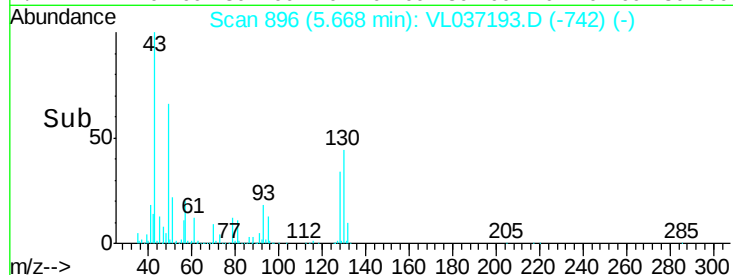
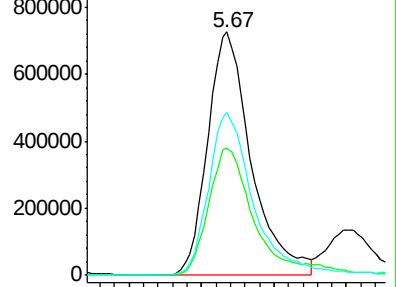
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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 10.046 ppbv

RT: 3.05 min Scan# 81

Delta R.T. -0.00 min

Lab File: VL037193.D

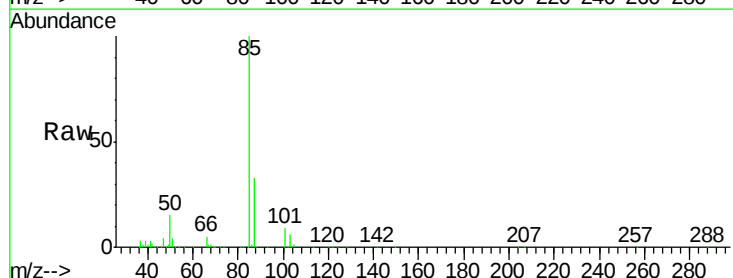
Acq: 17 Jun 2021 7:23

Tgt Ion: 85 Resp: 2648643

Ion Ratio Lower Upper

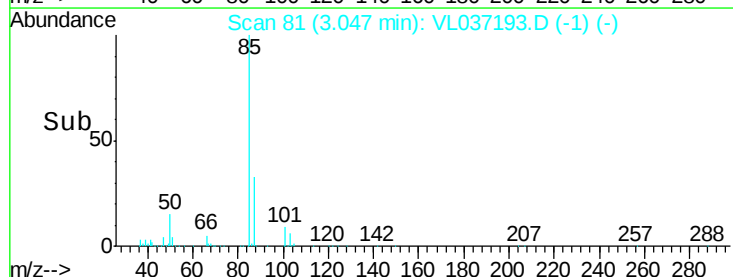
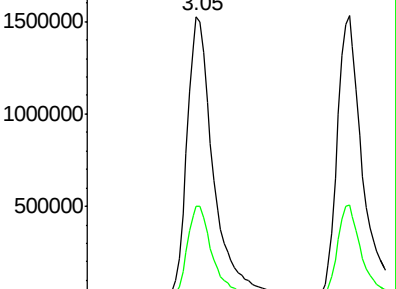
85 100

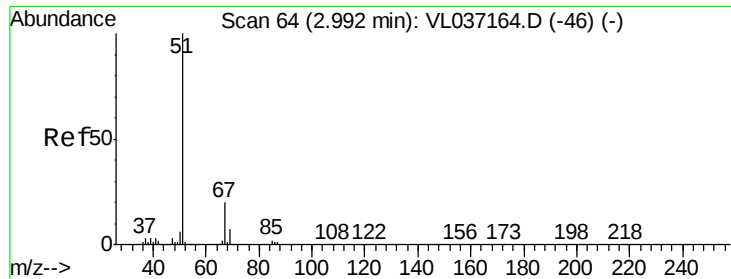
87 32.8 25.8 38.6



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





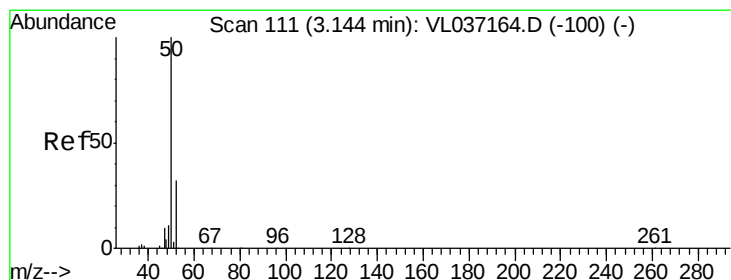
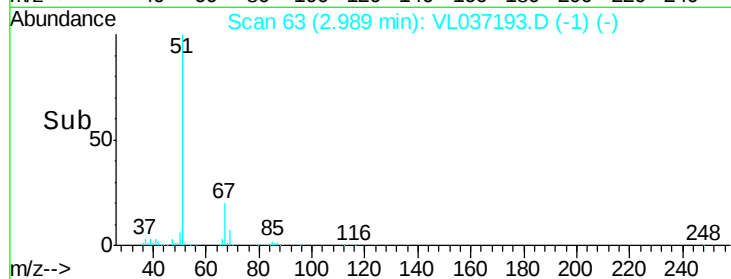
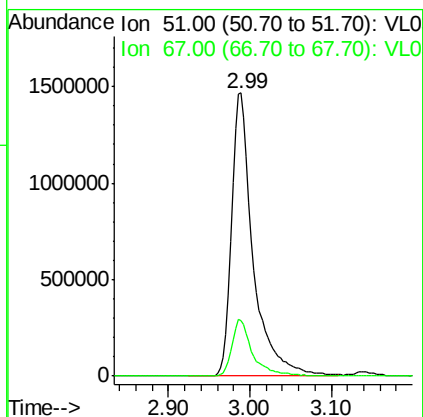
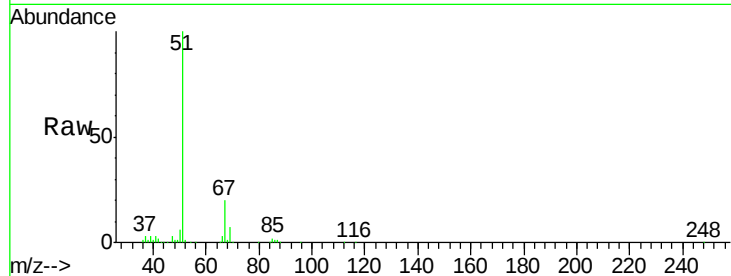
#3
Chlorodifluoromethane
Concen: 9.229 ppbv
RT: 2.99 min Scan# 63
Delta R.T. -0.00 min
Lab File: VL037193.D
Acq: 17 Jun 2021 7:23

Instrument :
MSVOA_L
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VSTDCCC010EC

Tot Ion: 51 Resp: 2720494
Ion Ratio Lower Upper
51 100
67 19.4 15.8 23.6

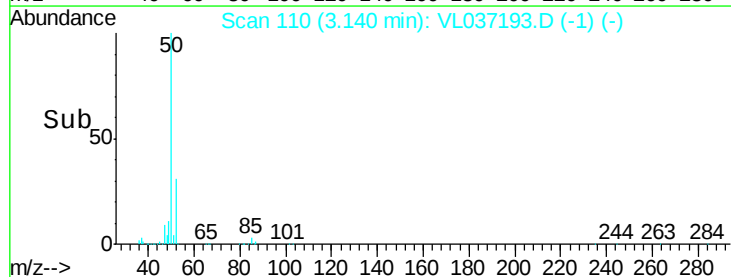
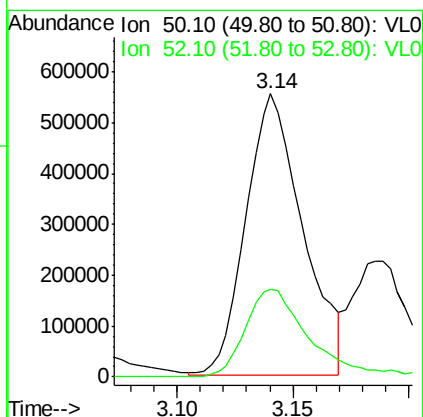
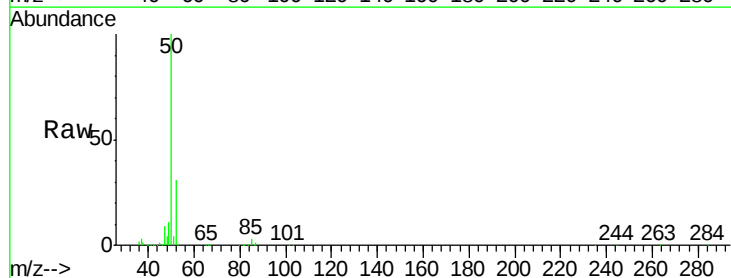
Manual Integrations
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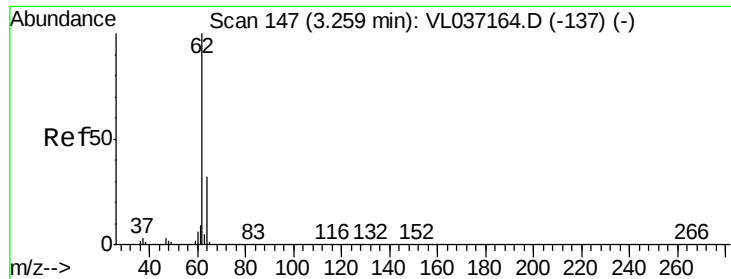
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#4
Chloromethane
Concen: 9.661 ppbv
RT: 3.14 min Scan# 110
Delta R.T. -0.00 min
Lab File: VL037193.D
Acq: 17 Jun 2021 7:23

Tgt Ion: 50 Resp: 949063
Ion Ratio Lower Upper
50 100
52 31.6 25.8 38.8





#5

Vinyl Chloride

Concen: 9.446 ppbv

RT: 3.26 min Scan# 146

Delta R.T. -0.00 min

Lab File: VL037193.D

Acq: 17 Jun 2021 7:23

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 62 Resp: 1019885

Ion Ratio Lower Upper

62 100

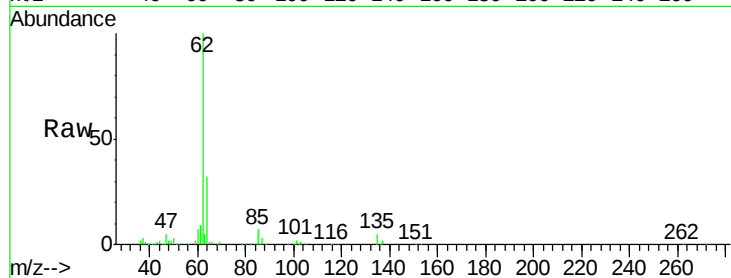
64 32.0 25.6 38.4

Manual Integrations

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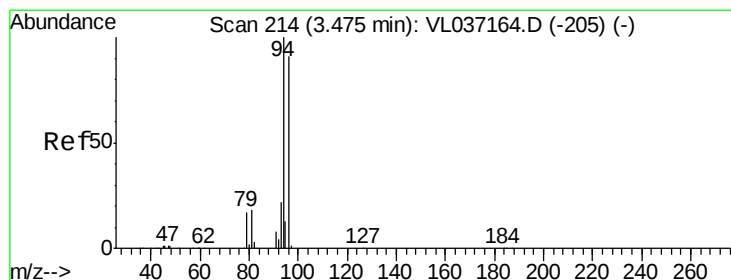
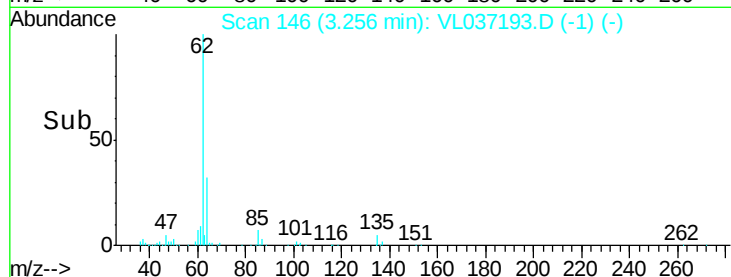
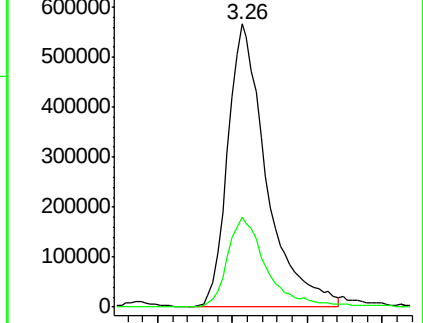
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Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 9.809 ppbv

RT: 3.47 min Scan# 214

Delta R.T. 0.00 min

Lab File: VL037193.D

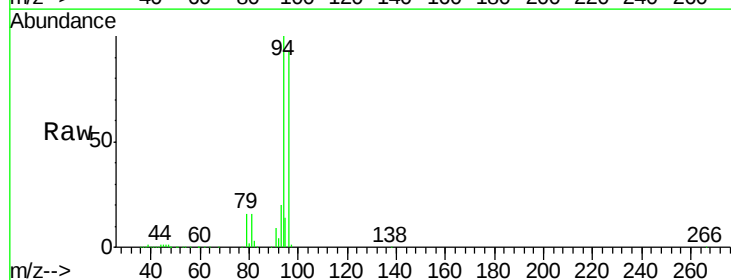
Acq: 17 Jun 2021 7:23

Tgt Ion: 94 Resp: 631829

Ion Ratio Lower Upper

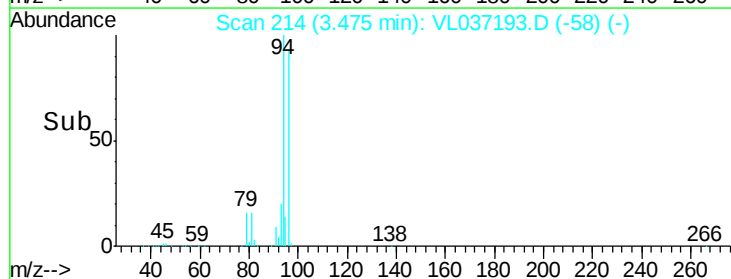
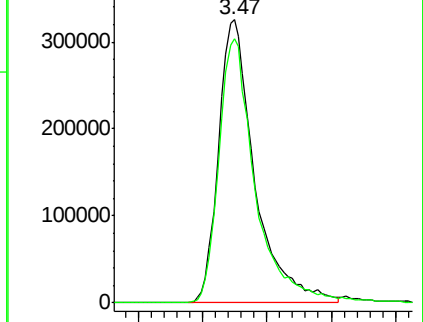
94 100

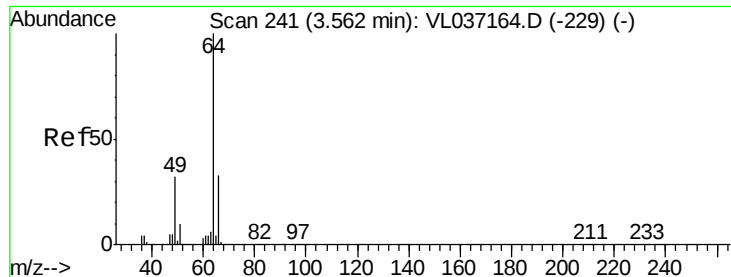
96 93.4 72.6 108.8



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 9.587 ppbv

RT: 3.56 min Scan# 240

Delta R.T. -0.00 min

Lab File: VL037193.D

Acq: 17 Jun 2021 7:23

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 64 Resp: 369973

Ion Ratio Lower Upper

64 100

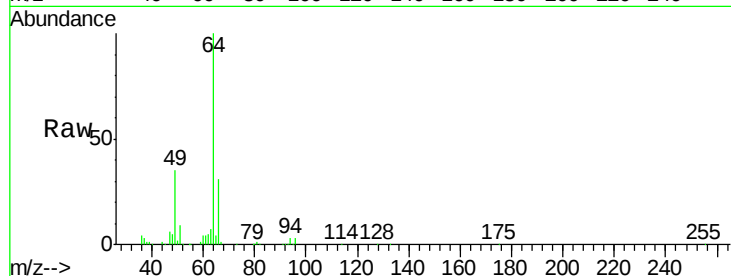
66 31.4 26.2 39.4

Manual Integrations

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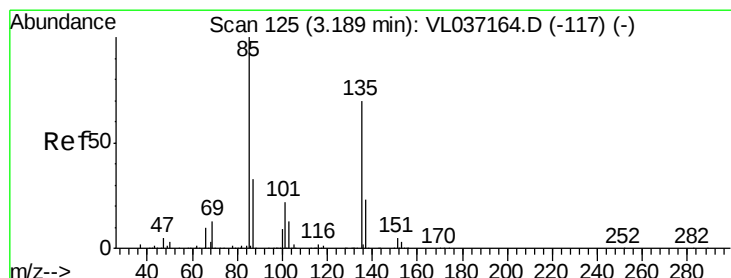
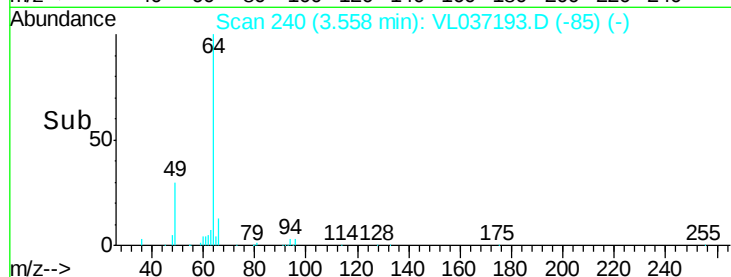
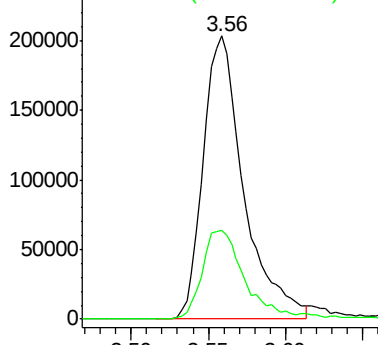
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Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0



#8

Dichlorotetrafluoroethane

Concen: 9.340 ppbv

RT: 3.19 min Scan# 125

Delta R.T. 0.00 min

Lab File: VL037193.D

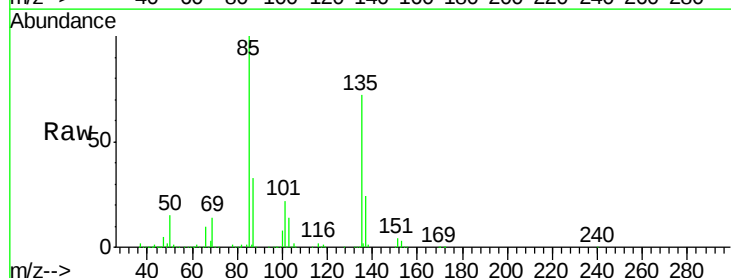
Acq: 17 Jun 2021 7:23

Tgt Ion: 85 Resp: 2526151

Ion Ratio Lower Upper

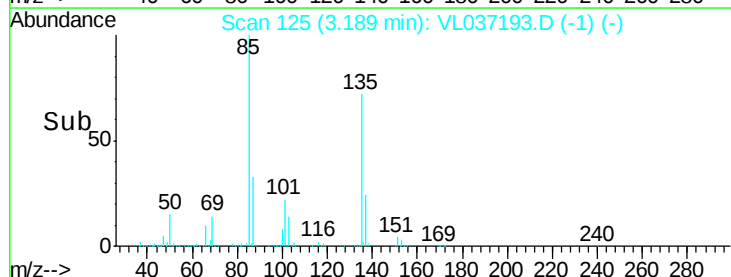
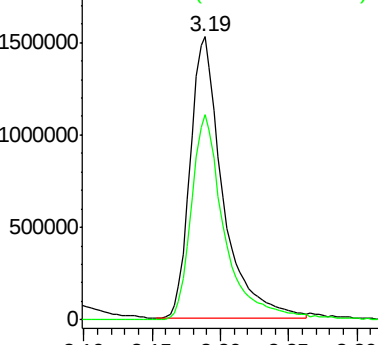
85 100

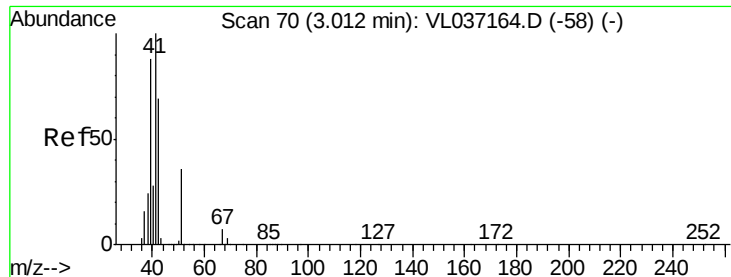
135 75.6 60.4 90.6



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V





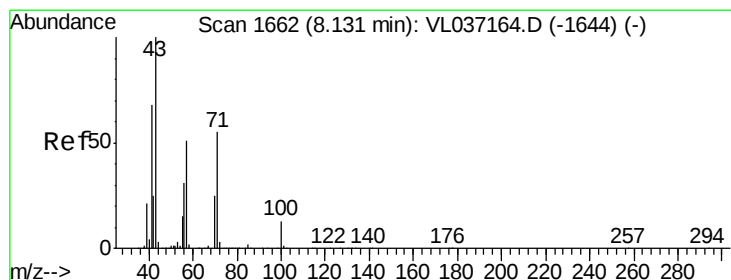
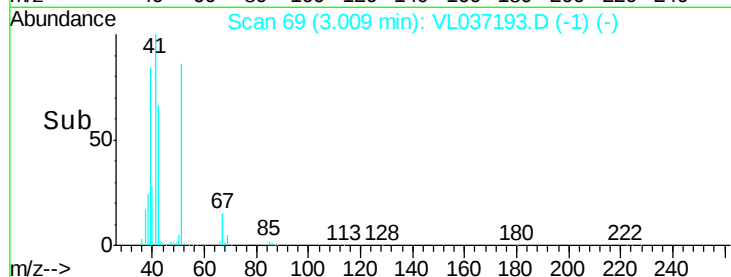
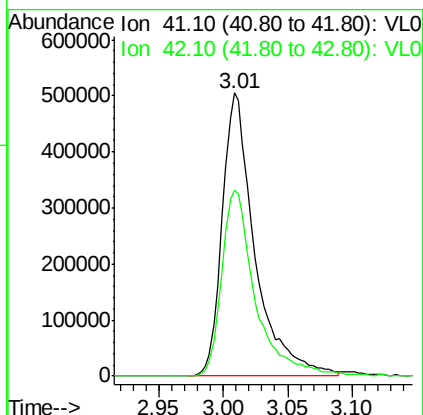
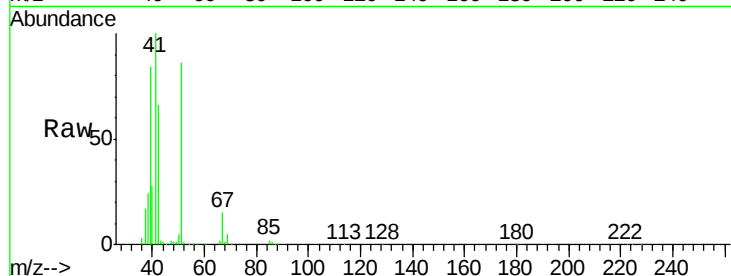
#9
 Propene
 Concen: 9.454 ppbv
 RT: 3.01 min Scan# 69
 Delta R.T. -0.00 min
 Lab File: VL037193.D
 Acq: 17 Jun 2021 7:23

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
41	100		
42	67.9	54.5	81.7

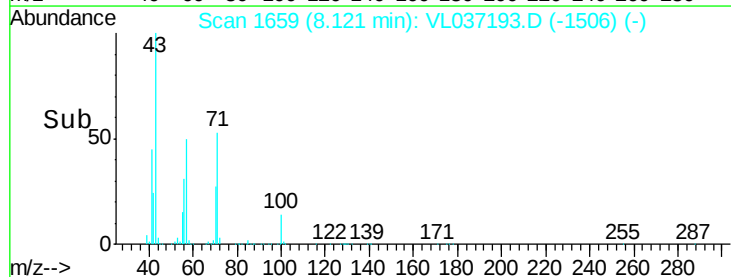
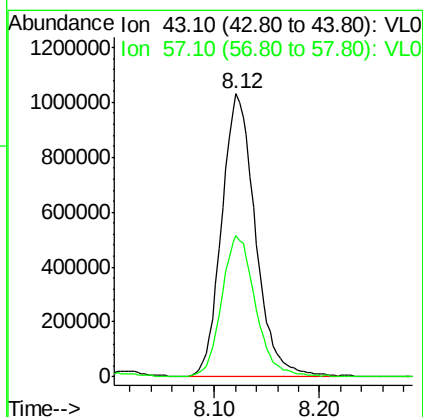
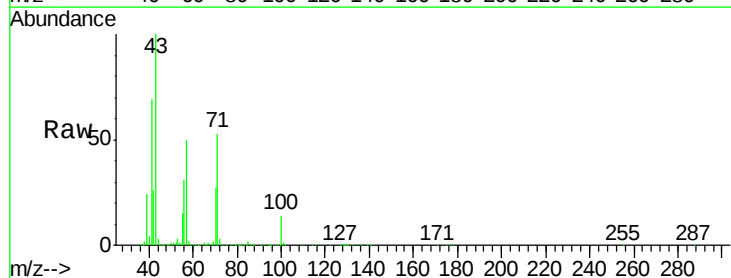
Manual Integrations
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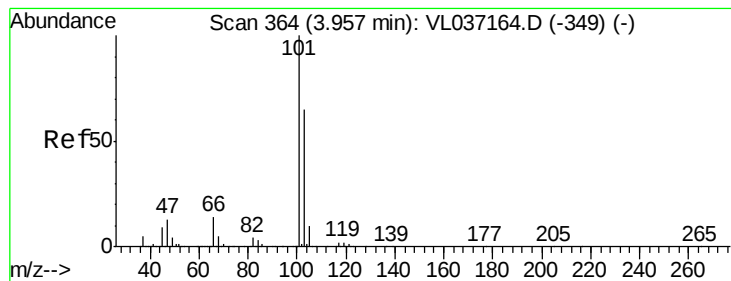
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#10
 Heptane
 Concen: 9.887 ppbv
 RT: 8.12 min Scan# 1659
 Delta R.T. -0.01 min
 Lab File: VL037193.D
 Acq: 17 Jun 2021 7:23

Tgt Ion	Ratio	Lower	Upper
43	100		
57	50.8	40.6	61.0





#11

Trichlorofluoromethane

Concen: 9.341 ppbv

RT: 3.95 min Scan# 362

Delta R.T. -0.01 min

Lab File: VL037193.D

Acq: 17 Jun 2021 7:23

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:101 Resp: 2627711

Ion Ratio Lower Upper

101 100

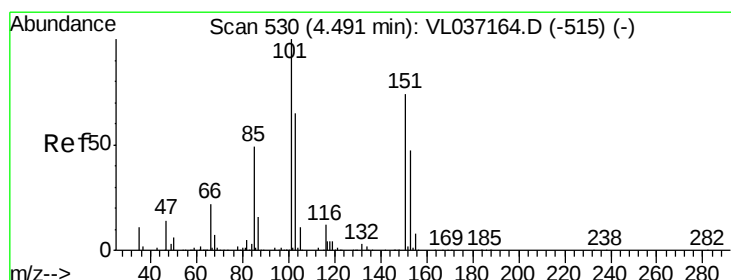
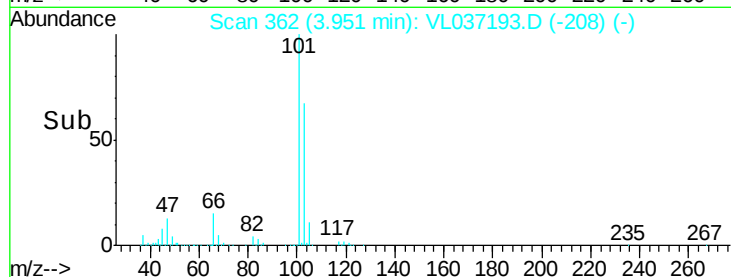
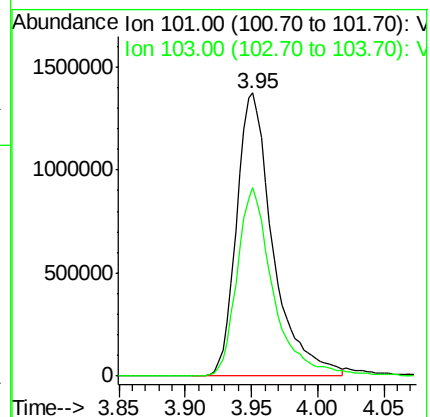
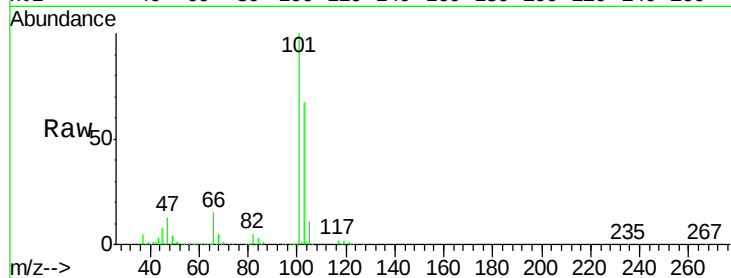
103 66.6 52.2 78.4

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#12

1,1,2-Trichlorotrifluoroethane

Concen: 9.594 ppbv

RT: 4.48 min Scan# 528

Delta R.T. -0.01 min

Lab File: VL037193.D

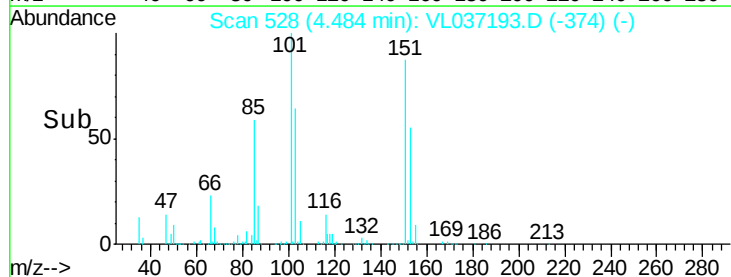
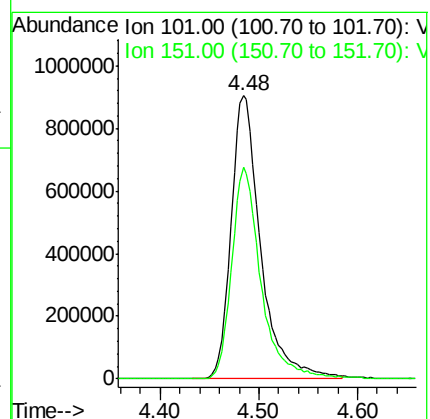
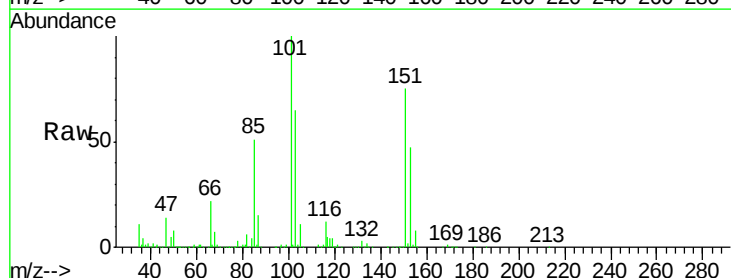
Acq: 17 Jun 2021 7:23

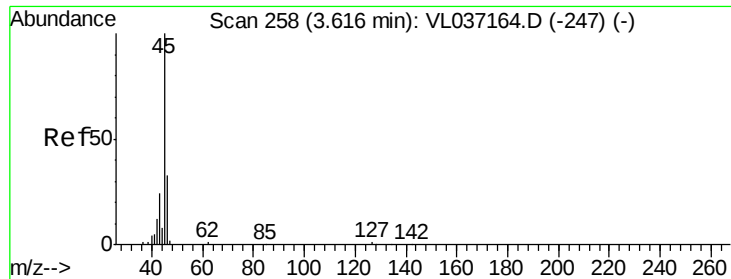
Tgt Ion:101 Resp: 1902473

Ion Ratio Lower Upper

101 100

151 74.2 59.1 88.7





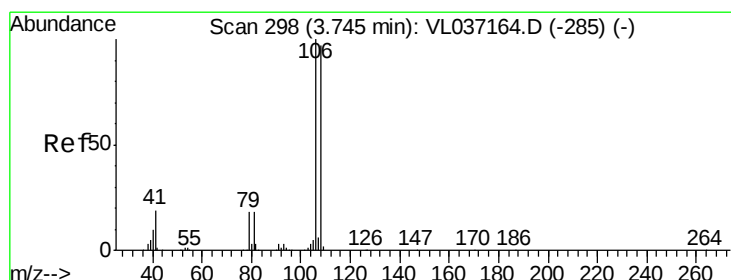
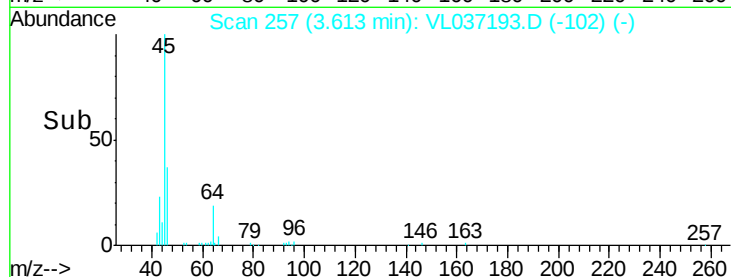
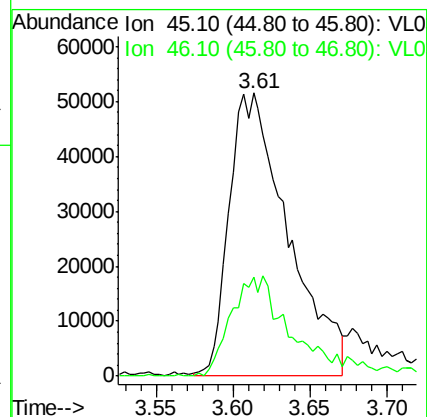
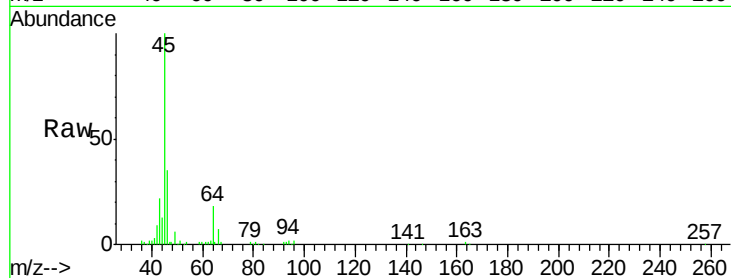
#13
Ethanol
Concen: 9.414 ppbv m
RT: 3.61 min Scan# 257
Delta R.T. -0.00 min
Lab File: VL037193.D
Acq: 17 Jun 2021 7:23

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	45	Resp	137255
Ion Ratio	100	Lower	Upper
46	39.2	34.2	137.0

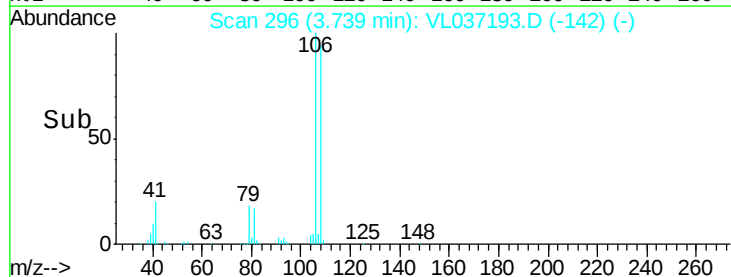
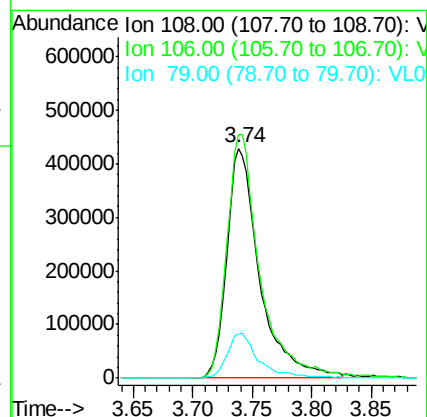
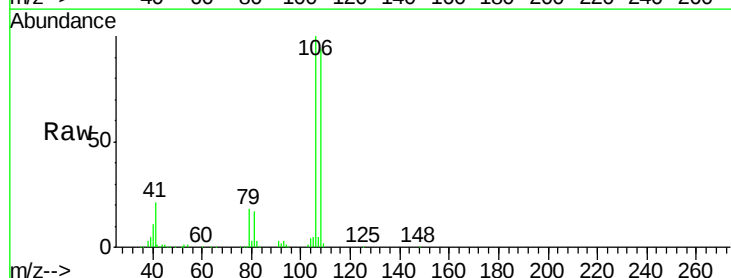
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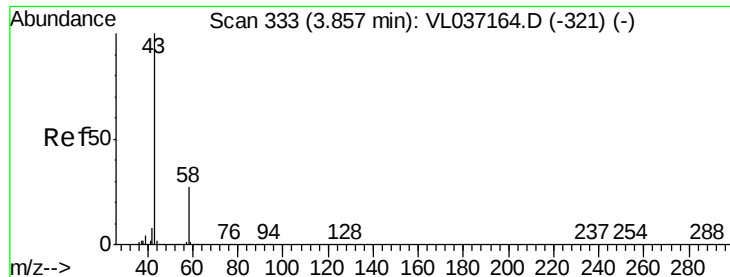
MMDadoda
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#14
Bromoethene
Concen: 9.894 ppbv
RT: 3.74 min Scan# 296
Delta R.T. -0.01 min
Lab File: VL037193.D
Acq: 17 Jun 2021 7:23

Tgt Ion	108	Resp	818868
Ion Ratio	100	Lower	Upper
106	108.0	86.8	130.2
79	19.2	15.6	23.4





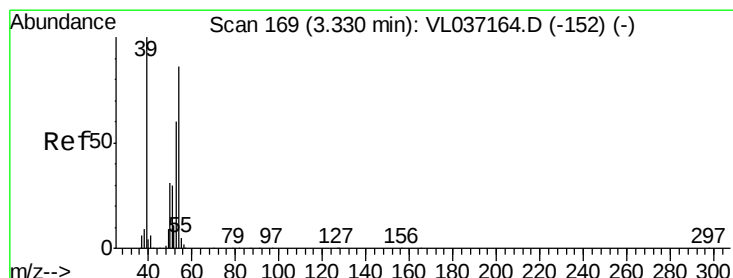
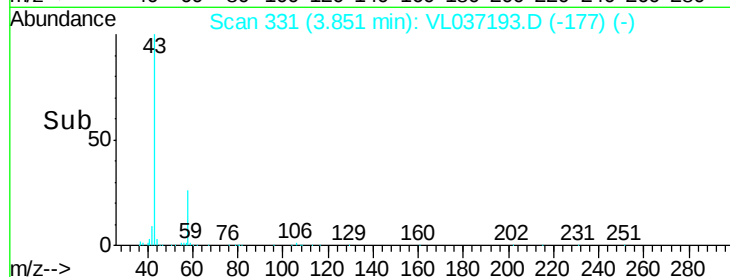
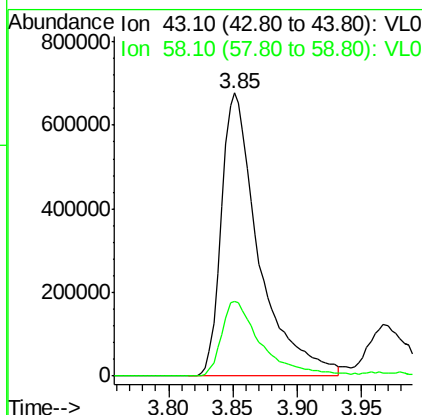
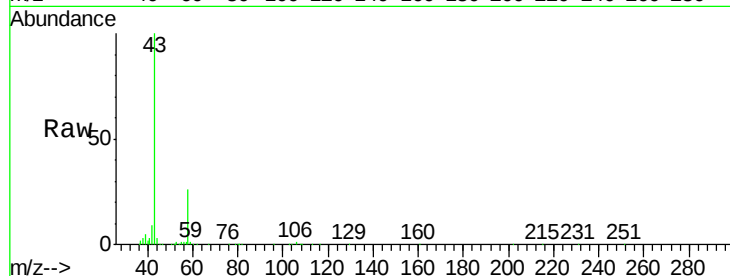
#15
Acetone
Concen: 7.984 ppbv
RT: 3.85 min Scan# 331
Delta R.T. -0.01 min
Lab File: VL037193.D
Acq: 17 Jun 2021 7:23

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 43 Resp: 1364881
Ion Ratio Lower Upper
43 100
58 28.3 23.7 35.5

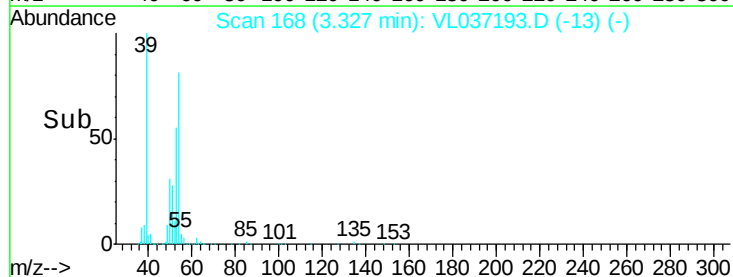
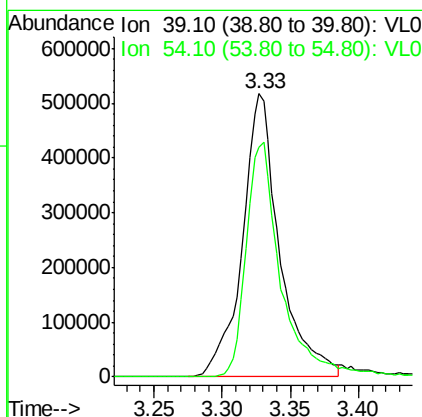
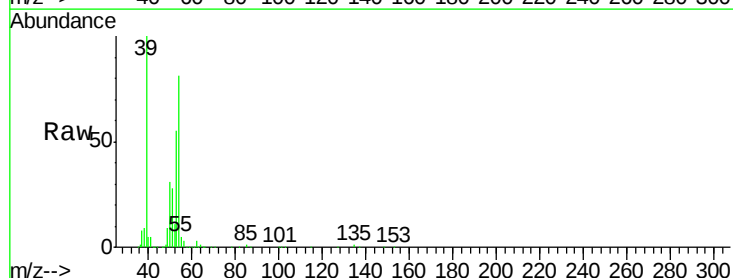
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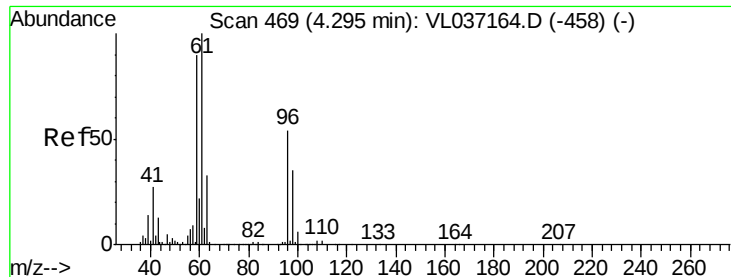
MMDadoda
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#16
1,3-Butadiene
Concen: 9.684 ppbv
RT: 3.33 min Scan# 168
Delta R.T. -0.00 min
Lab File: VL037193.D
Acq: 17 Jun 2021 7:23

Tgt Ion: 39 Resp: 978649
Ion Ratio Lower Upper
39 100
54 78.5 61.2 91.8





#17

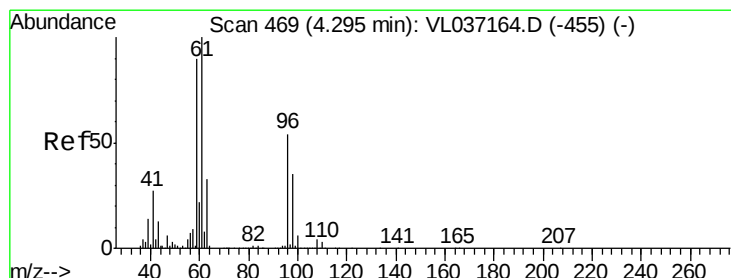
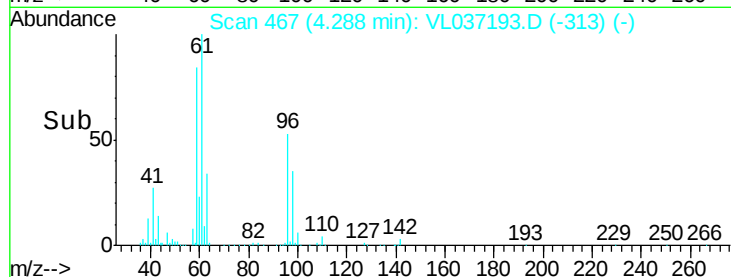
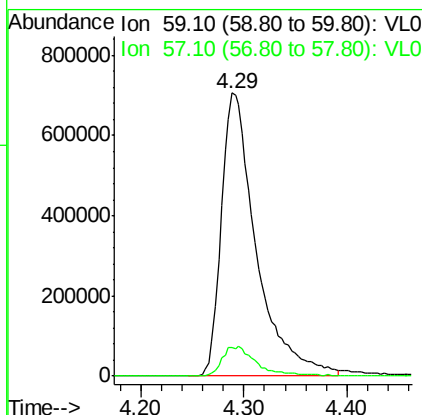
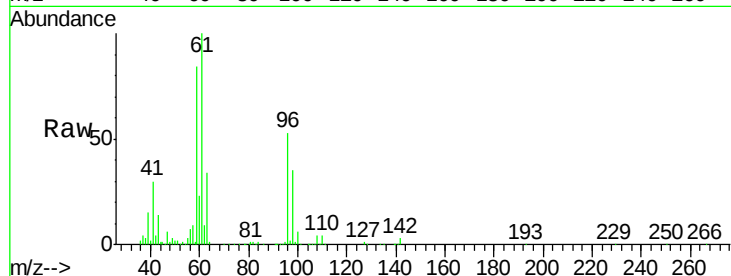
tert-Butyl alcohol
Concen: 10.537 ppbv
RT: 4.29 min Scan# 467
Delta R.T. -0.01 min
Lab File: VL037193.D
Acq: 17 Jun 2021 7:23

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 59 Resp: 1664832
Ion Ratio Lower Upper
59 100
57 10.6 8.8 13.2

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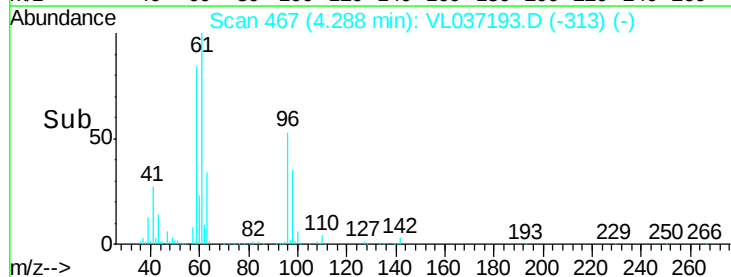
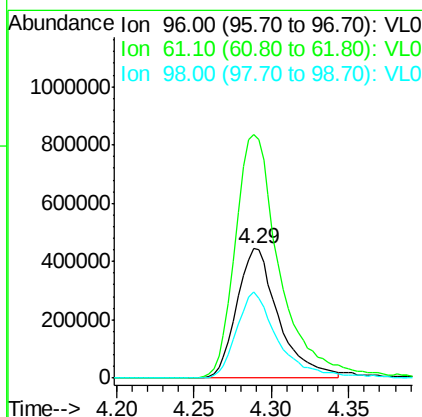
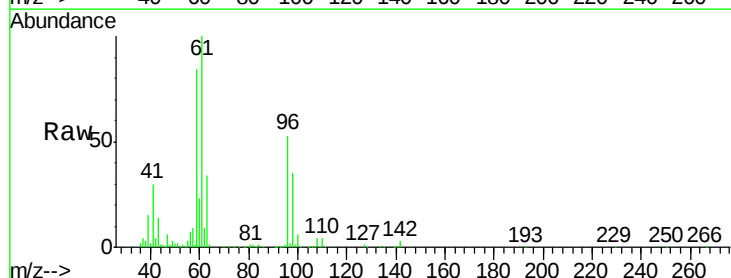
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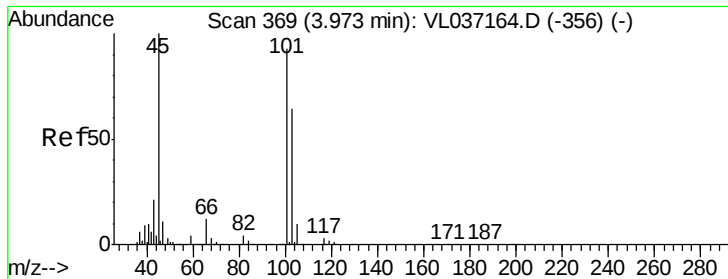


#18

1,1-Dichloroethene
Concen: 9.514 ppbv
RT: 4.29 min Scan# 467
Delta R.T. -0.01 min
Lab File: VL037193.D
Acq: 17 Jun 2021 7:23

Tgt Ion: 96 Resp: 836035
Ion Ratio Lower Upper
96 100
61 188.1 148.6 222.8
98 66.1 51.9 77.9





#19

Isopropyl Alcohol

Concen: 9.864 ppbv

RT: 3.97 min Scan# 368

Delta R.T. -0.00 min

Lab File: VL037193.D

Acq: 17 Jun 2021 7:23

Tot Ion: 45 Resp: 1021305

Ion Ratio Lower Upper

45 100

58 2.6 2.4 3.6

Instrument :

MSVOA_L

ClientSampleId :

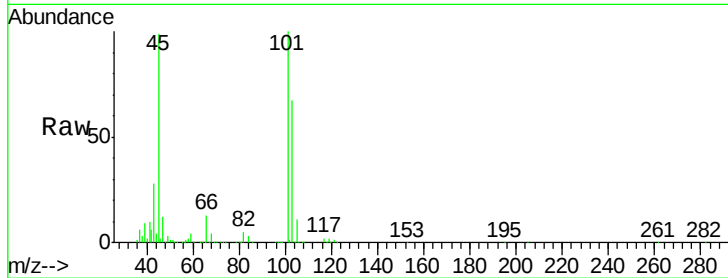
VSTDCCC010EC

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Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

3.97

500000

400000

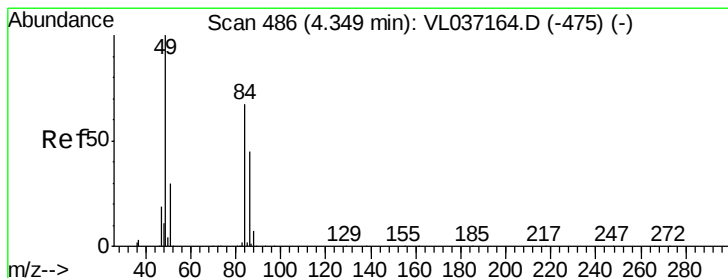
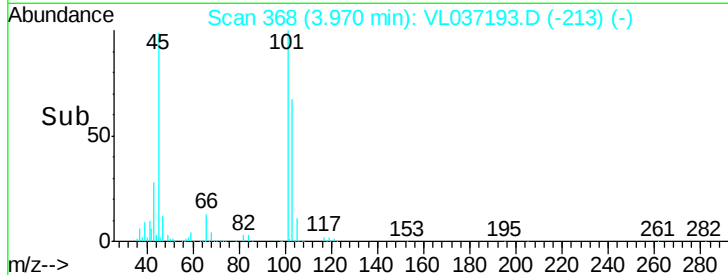
300000

200000

100000

0

Time-->



#20

Methylene Chloride

Concen: 7.296 ppbv

RT: 4.34 min Scan# 484

Delta R.T. -0.01 min

Lab File: VL037193.D

Acq: 17 Jun 2021 7:23

Tgt Ion: 84 Resp: 746637

Ion Ratio Lower Upper

84 100

49 141.9 119.7 179.5

51 44.2 36.1 54.1

86 63.6 53.7 80.5

Abundance Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

Ion 51.10 (50.80 to 51.80): VL0

Ion 86.00 (85.70 to 86.70): VL0

800000

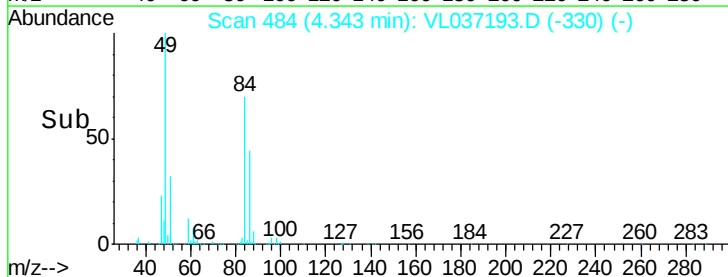
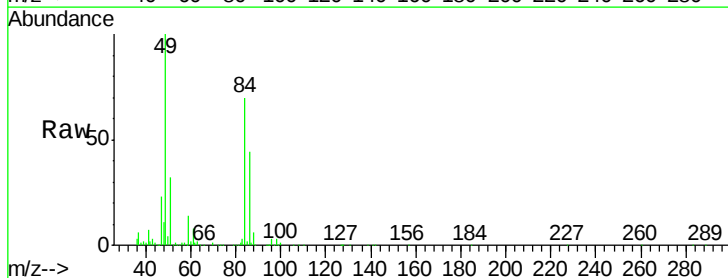
600000

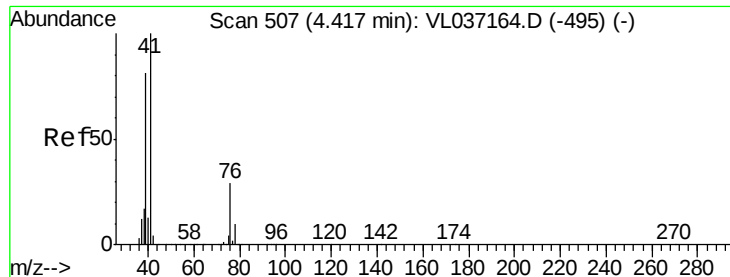
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200000

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Time-->





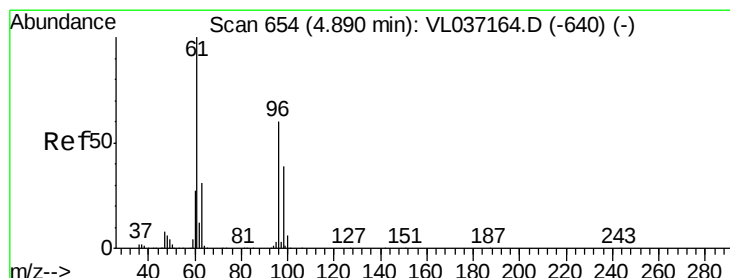
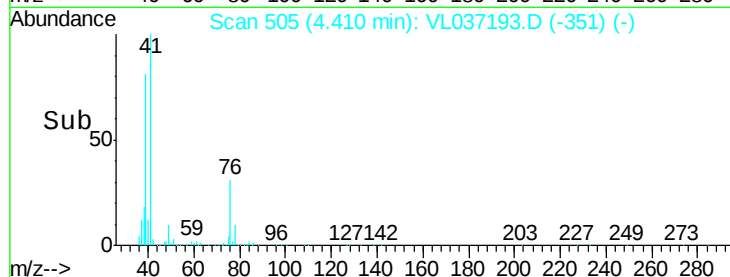
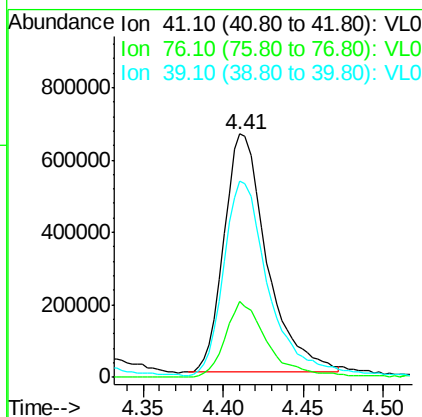
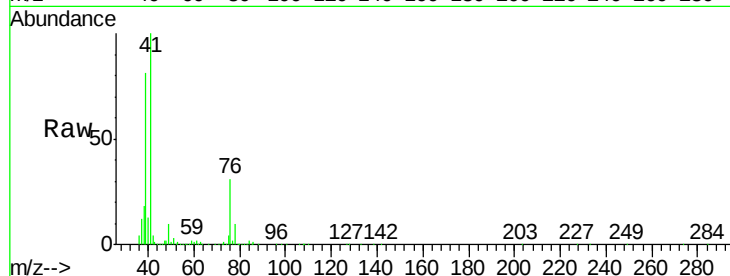
#21
Allvl Chloride
Concen: 9.365 ppbv
RT: 4.41 min Scan# 505
Delta R.T. -0.01 min
Lab File: VL037193.D
Acq: 17 Jun 2021 7:23

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
41	100		
76	31.8	24.6	37.0
39	86.9	65.4	98.0

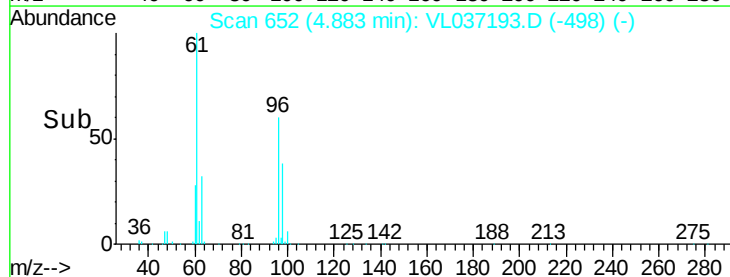
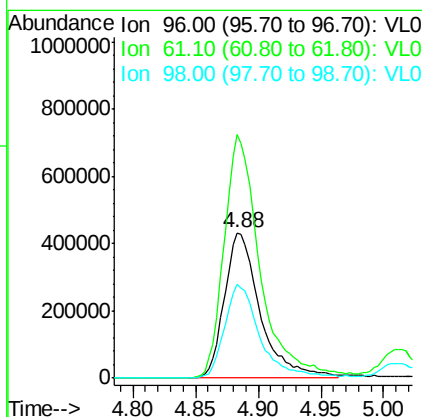
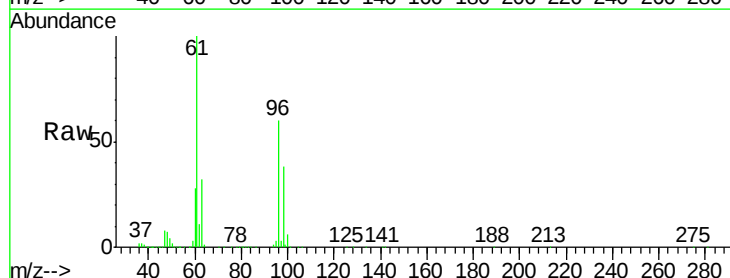
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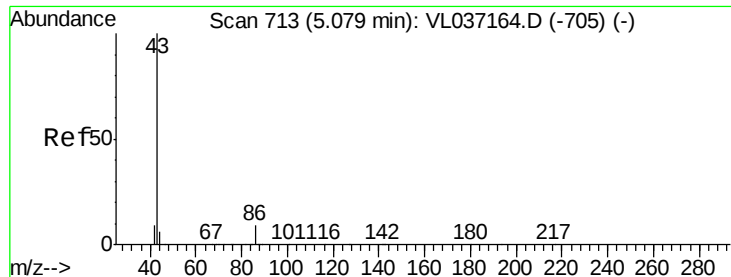
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#22
trans-1,2-Dichloroethene
Concen: 9.823 ppbv
RT: 4.88 min Scan# 652
Delta R.T. -0.01 min
Lab File: VL037193.D
Acq: 17 Jun 2021 7:23

Tgt Ion	Ratio	Lower	Upper
96	100		
61	167.6	133.9	200.9
98	64.2	52.9	79.3





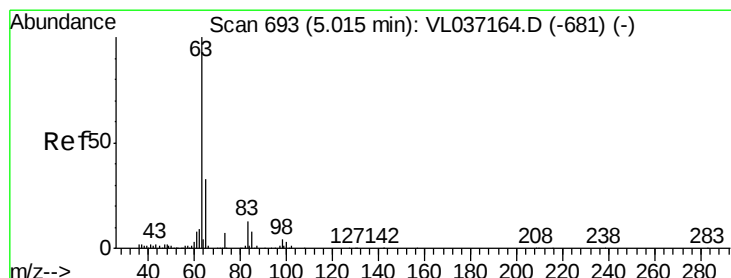
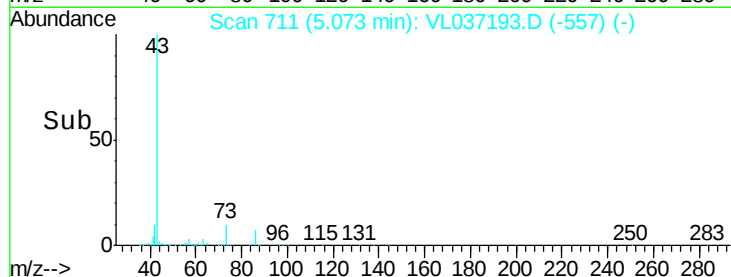
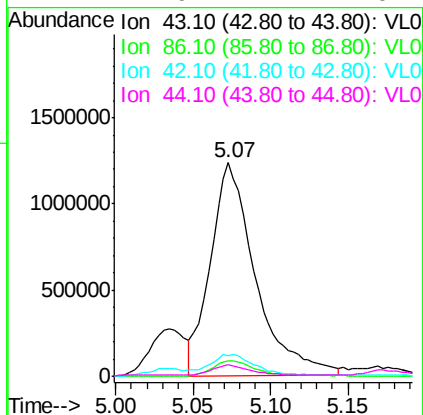
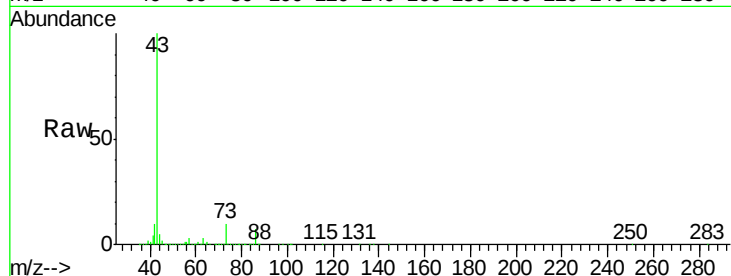
#23
 Vinyl Acetate
 Concen: 10.216 ppbv
 RT: 5.07 min Scan# 711
 Delta R.T. -0.01 min
 Lab File: VL037193.D
 Acq: 17 Jun 2021 7:23

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion:	43	Resp:	2504085
Ion	Ratio	Lower	Upper
43	100		
86	7.4	5.8	8.8
42	9.7	8.2	12.2
44	4.9	4.2	6.4

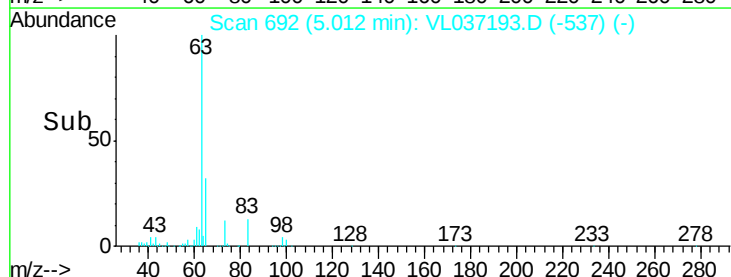
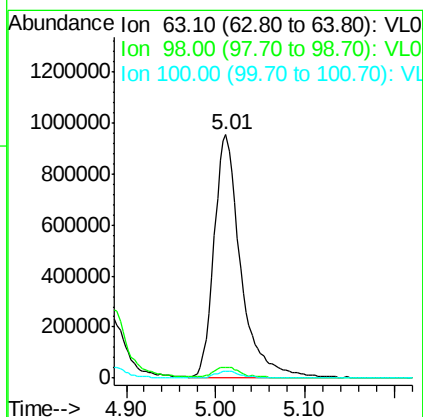
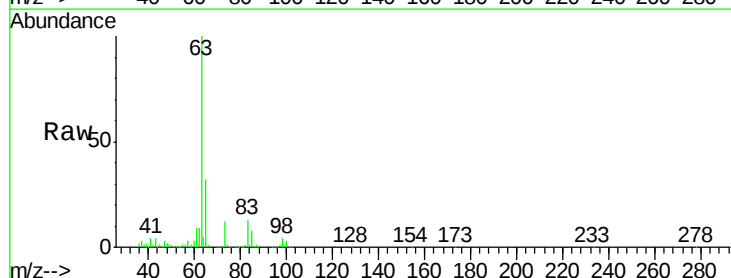
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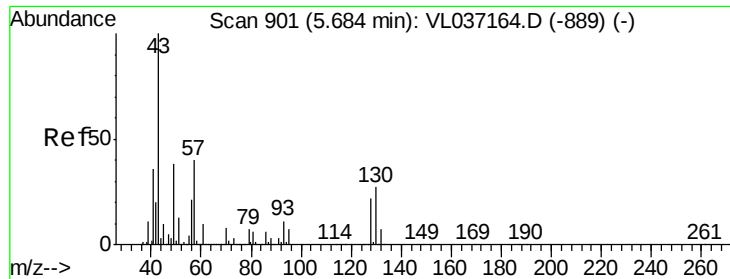
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#24
 1,1-Dichloroethane
 Concen: 9.881 ppbv
 RT: 5.01 min Scan# 692
 Delta R.T. -0.00 min
 Lab File: VL037193.D
 Acq: 17 Jun 2021 7:23

Tgt Ion:	63	Resp:	1950077
Ion	Ratio	Lower	Upper
63	100		
98	4.4	2.1	6.5
100	2.9	1.4	4.0





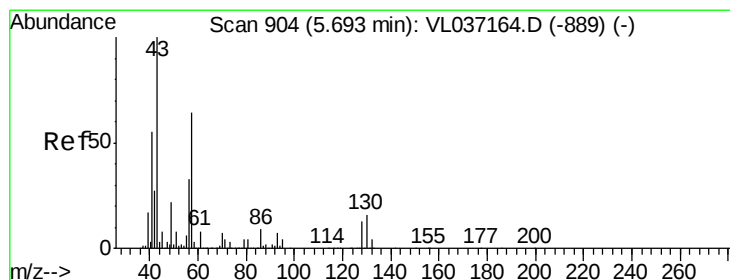
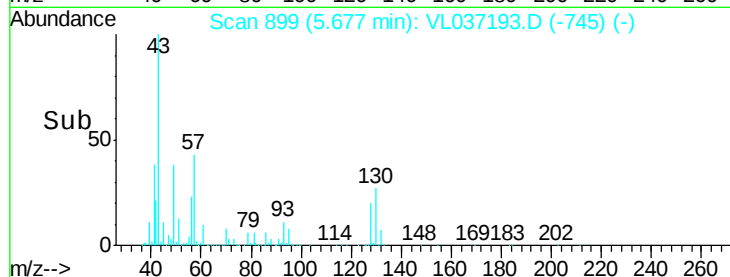
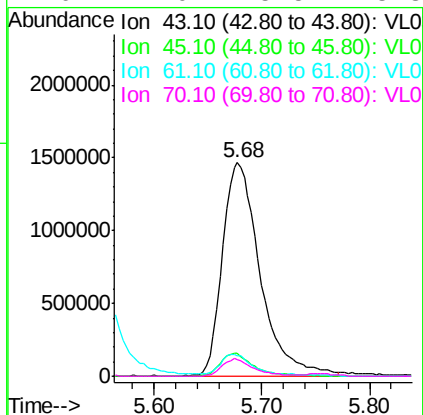
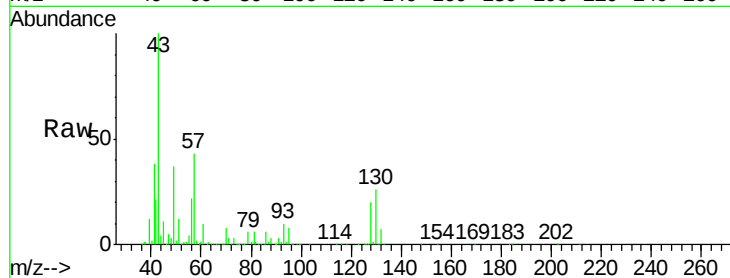
#25
Ethyl Acetate
Concen: 9.604 ppbv
RT: 5.68 min Scan# 899
Delta R.T. -0.01 min
Lab File: VL037193.D
Acq: 17 Jun 2021 7:23

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	43	Resp	3554242
Ion	Ratio	Lower	Upper
43	100		
45	9.8	8.0	12.0
61	9.8	8.1	12.1
70	7.0	5.5	8.3

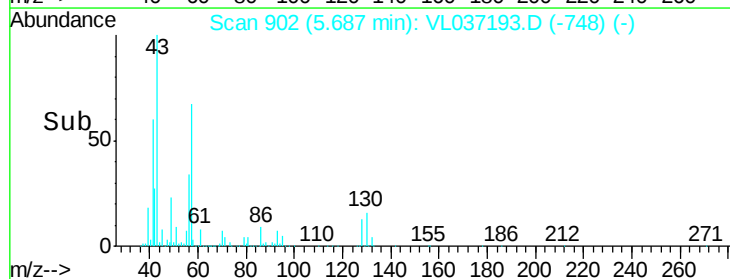
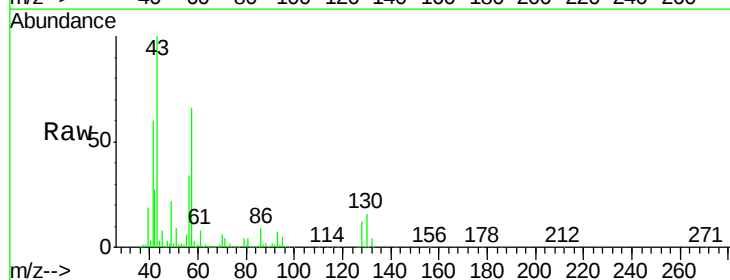
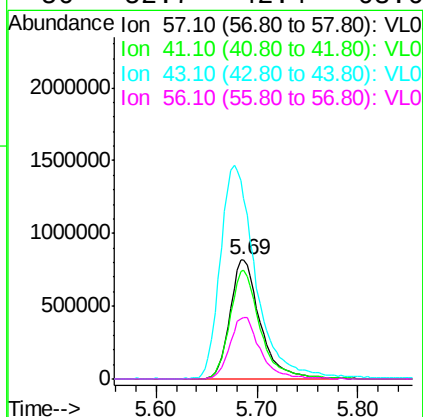
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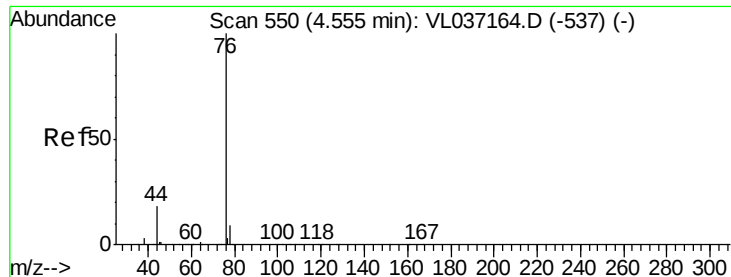
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#26
Hexane
Concen: 9.163 ppbv
RT: 5.69 min Scan# 902
Delta R.T. -0.01 min
Lab File: VL037193.D
Acq: 17 Jun 2021 7:23

Tgt Ion	57	Resp	1713851
Ion	Ratio	Lower	Upper
57	100		
41	92.0	73.5	110.3
43	210.3	170.7	256.1
56	52.7	42.4	63.6





#27

Carbon Disulfide

Concen: 10.611 ppbv

RT: 4.55 min Scan# 549

Delta R.T. -0.00 min

Lab File: VL037193.D

Acq: 17 Jun 2021 7:23

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 76 Resp: 1944519

Ion Ratio Lower Upper

76 100

44 19.1 15.4 23.2

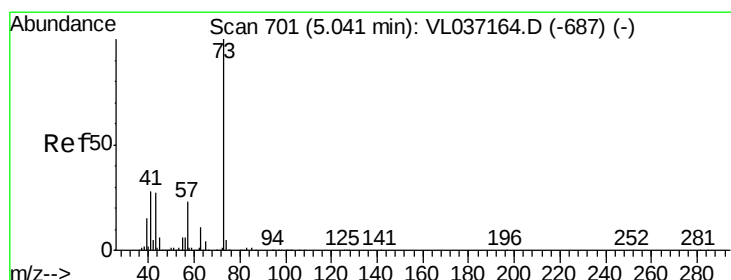
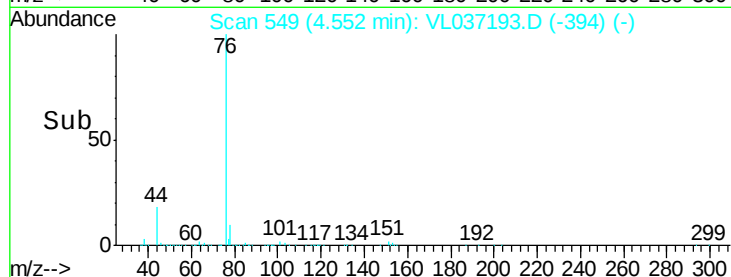
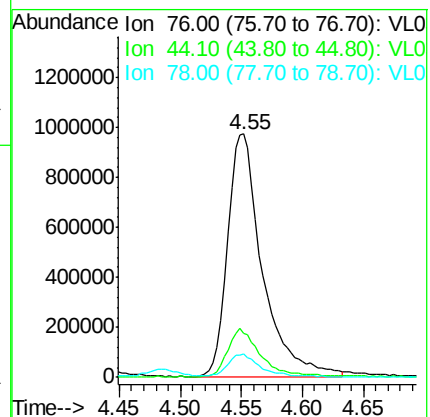
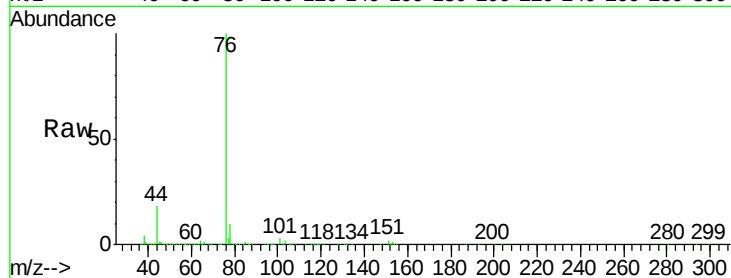
78 9.6 8.0 12.0

Manual Integrations

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#28

Methyl tert-Butyl Ether

Concen: 9.908 ppbv

RT: 5.03 min Scan# 699

Delta R.T. -0.01 min

Lab File: VL037193.D

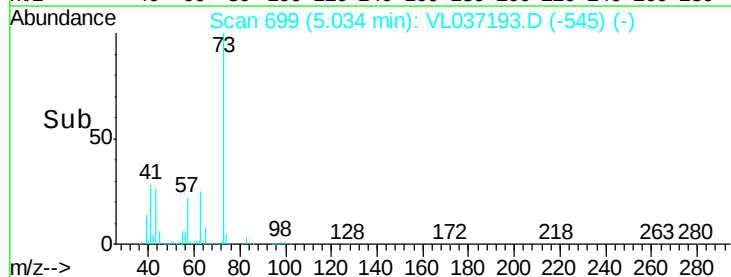
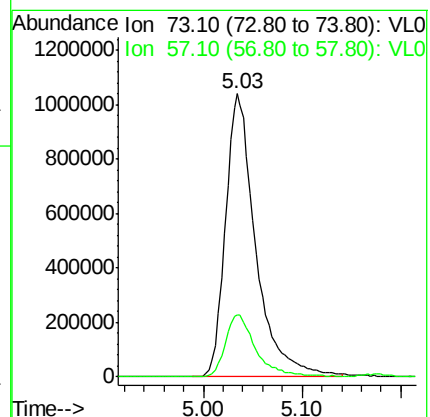
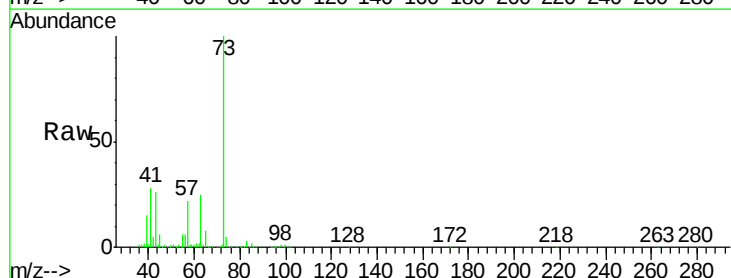
Acq: 17 Jun 2021 7:23

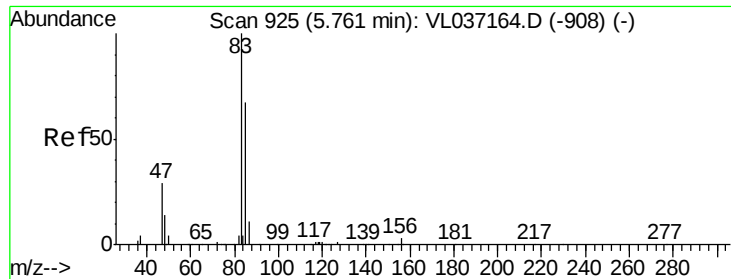
Tgt Ion: 73 Resp: 2227958

Ion Ratio Lower Upper

73 100

57 22.2 18.0 27.0





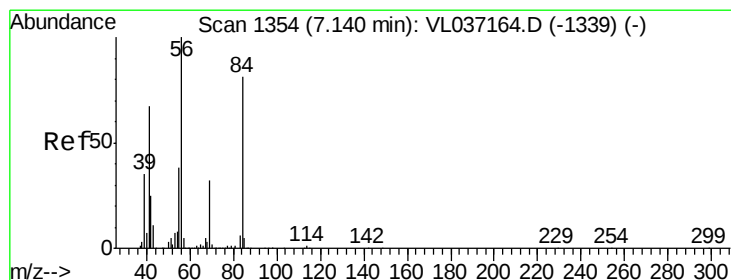
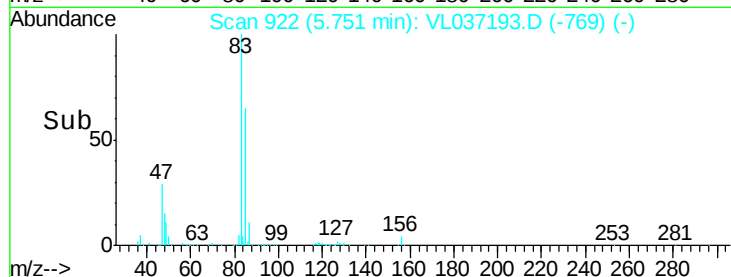
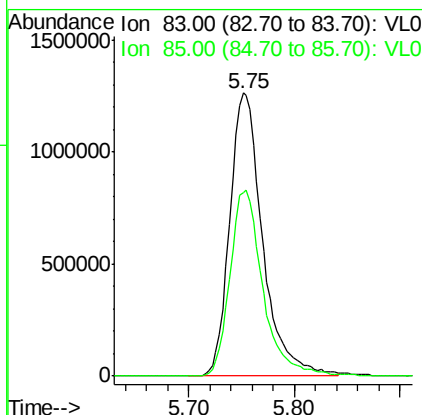
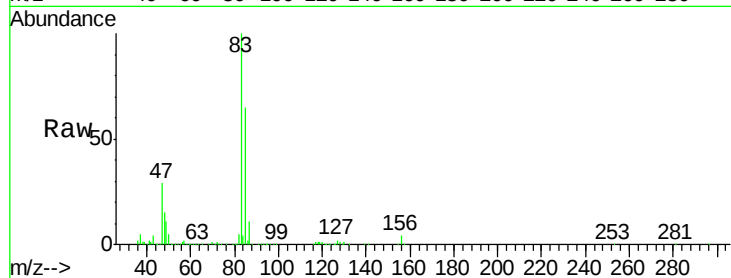
#29
Chloroform
Concen: 9.460 ppbv
RT: 5.75 min Scan# 922
Delta R.T. -0.01 min
Lab File: VL037193.D
Acq: 17 Jun 2021 7:23

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 83 Resp: 2733249
Ion Ratio Lower Upper
83 100
85 64.9 53.6 80.4

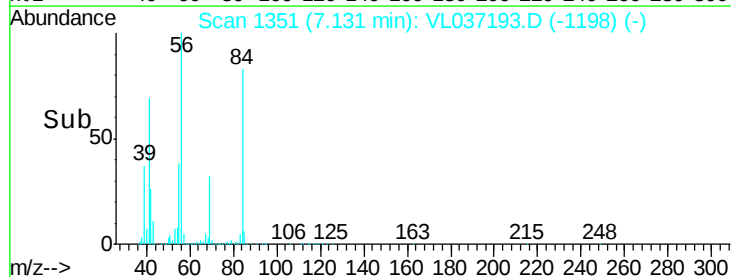
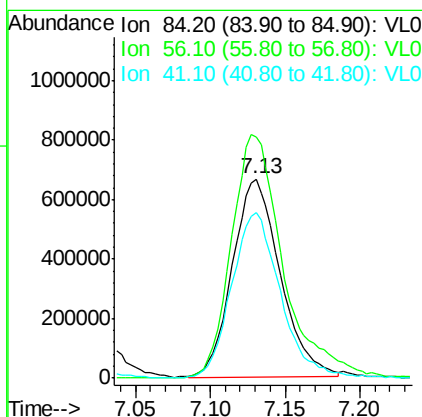
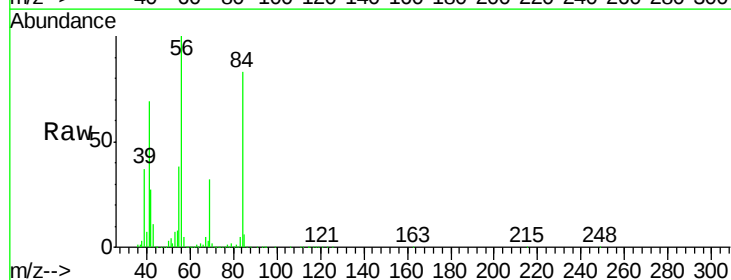
Manual Integrations
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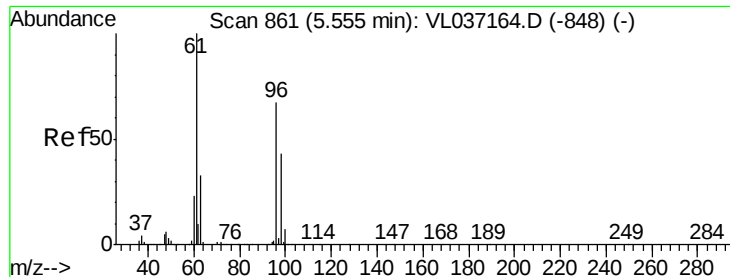
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6/17/2021 5:38:56 PM



#30
Cyclohexane
Concen: 9.490 ppbv
RT: 7.13 min Scan# 1351
Delta R.T. -0.01 min
Lab File: VL037193.D
Acq: 17 Jun 2021 7:23

Tgt Ion: 84 Resp: 1479018
Ion Ratio Lower Upper
84 100
56 134.8 107.7 161.5
41 86.0 69.0 103.6





#31

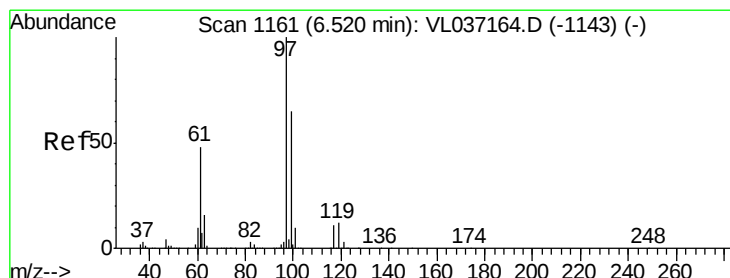
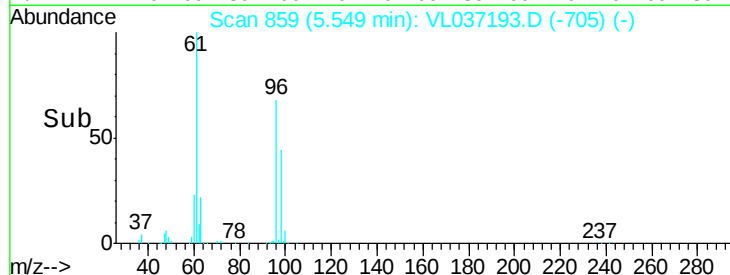
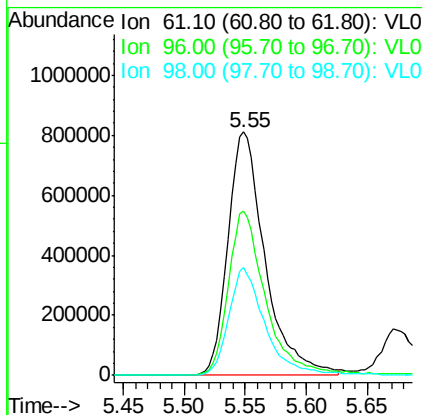
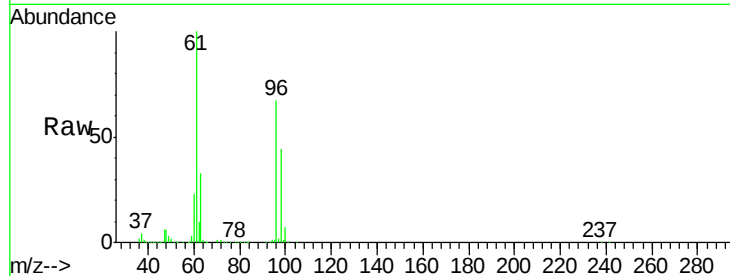
cis-1,2-Dichloroethene
Concen: 10.014 ppbv
RT: 5.55 min Scan# 859
Delta R.T. -0.01 min
Lab File: VL037193.D
Acq: 17 Jun 2021 7:23

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
61	100		
96	67.5	53.6	80.4
98	44.1	34.7	52.1

Manual Integrations
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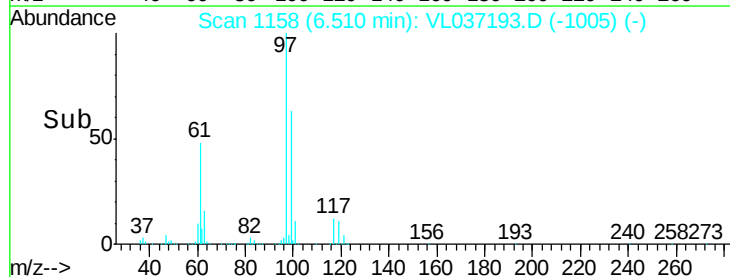
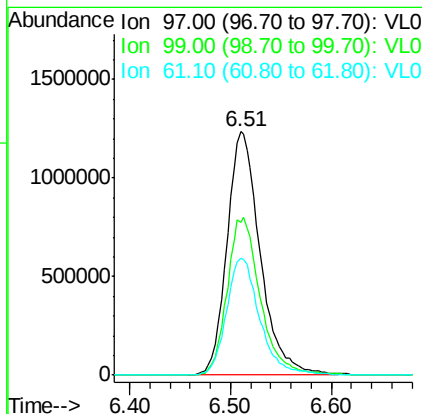
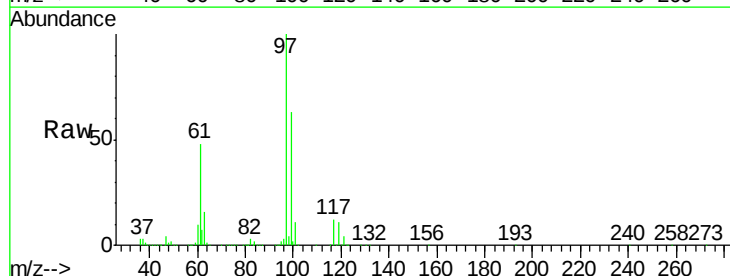
MMDadoda
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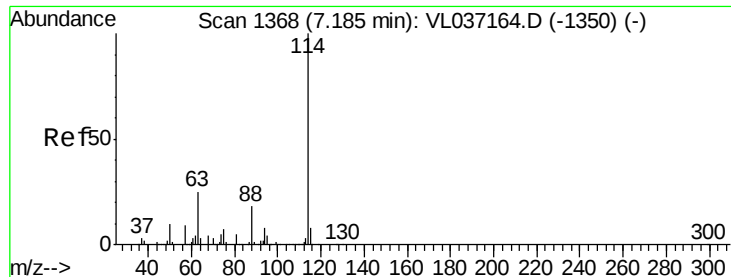


#32

1,1,1-Trichloroethane
Concen: 9.146 ppbv
RT: 6.51 min Scan# 1158
Delta R.T. -0.01 min
Lab File: VL037193.D
Acq: 17 Jun 2021 7:23

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.8	52.2	78.4
61	48.5	38.8	58.2





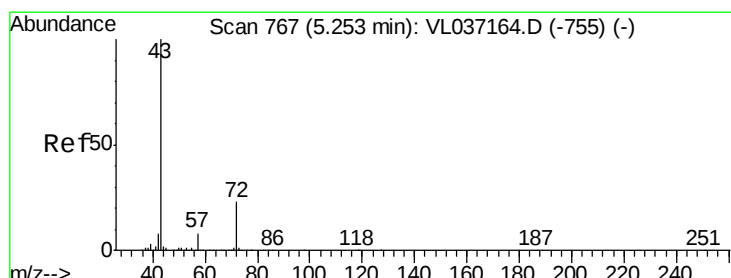
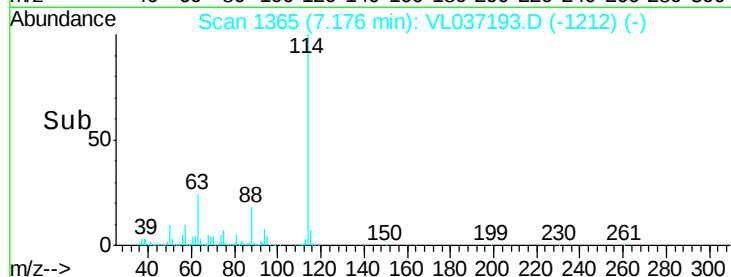
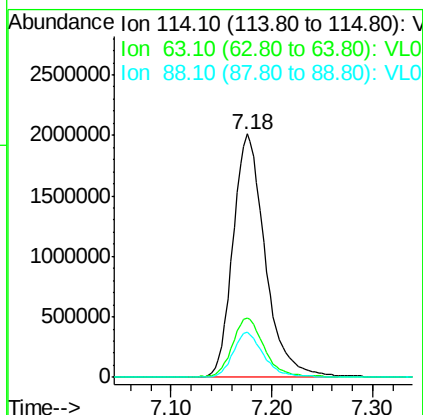
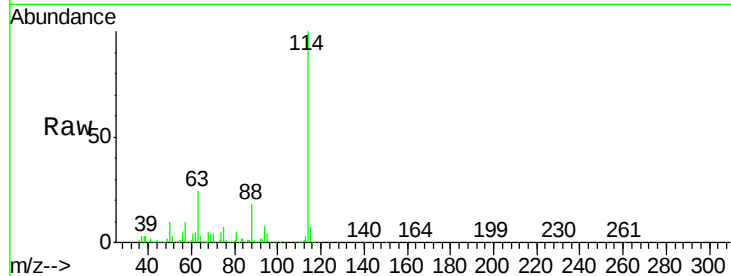
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.18 min Scan# 1365
 Delta R.T. -0.01 min
 Lab File: VL037193.D
 Acq: 17 Jun 2021 7:23

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion:114 Resp: 4448962
 Ion Ratio Lower Upper
 114 100
 63 24.6 19.6 29.4
 88 17.9 14.2 21.2

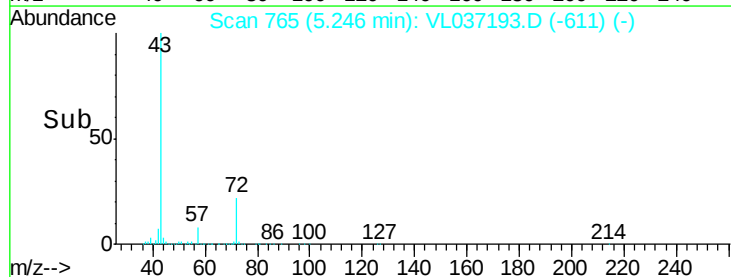
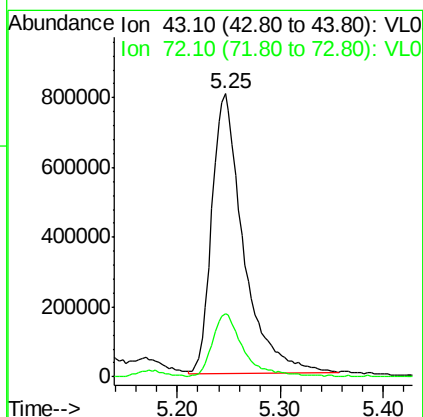
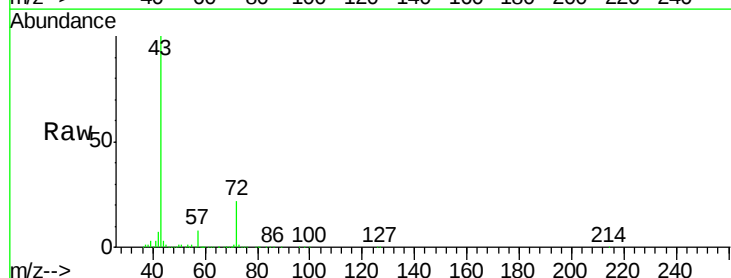
Manual Integrations
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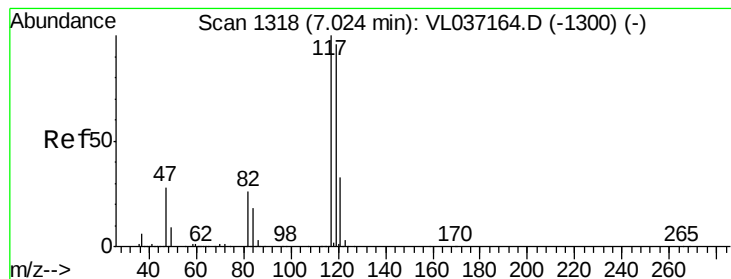
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#34
 2-Butanone
 Concen: 9.812 ppbv
 RT: 5.25 min Scan# 765
 Delta R.T. -0.01 min
 Lab File: VL037193.D
 Acq: 17 Jun 2021 7:23

Tgt Ion: 43 Resp: 1697794
 Ion Ratio Lower Upper
 43 100
 72 22.4 18.9 28.3





#35

Carbon Tetrachloride

Concen: 9.976 ppbv

RT: 7.02 min Scan# 1316

Delta R.T. -0.01 min

Lab File: VL037193.D

Acq: 17 Jun 2021 7:23

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:117 Resp: 2976844

Ion Ratio Lower Upper

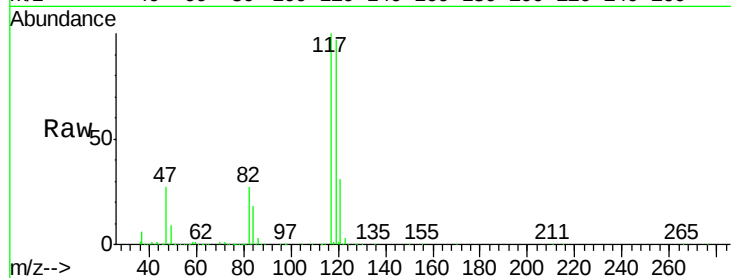
117 100

119 97.4 76.6 114.8

121 30.8 26.4 39.6

Manual Integrations
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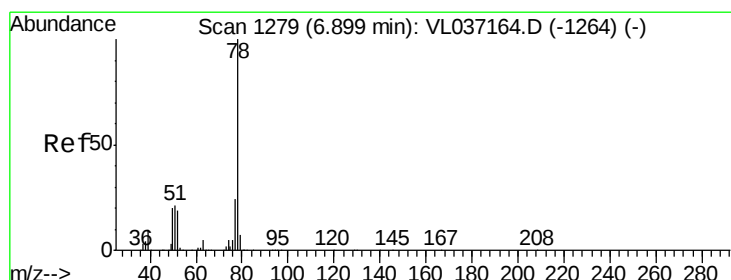
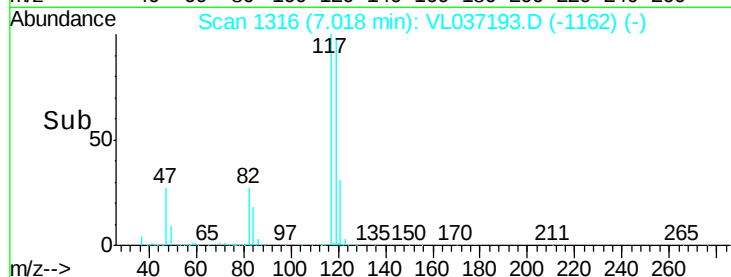
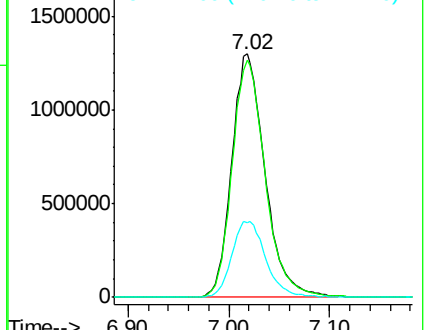
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Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#36

Benzene

Concen: 9.827 ppbv

RT: 6.89 min Scan# 1276

Delta R.T. -0.01 min

Lab File: VL037193.D

Acq: 17 Jun 2021 7:23

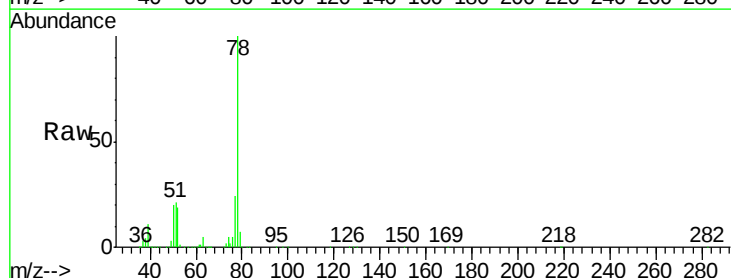
Tgt Ion: 78 Resp: 3535431

Ion Ratio Lower Upper

78 100

77 23.9 19.0 28.6

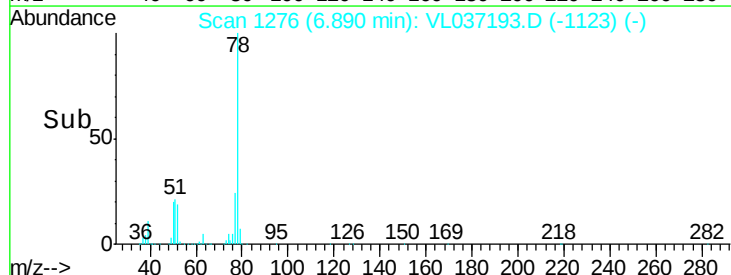
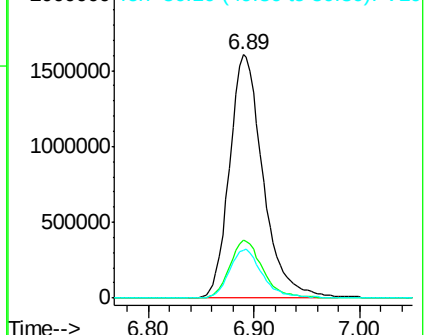
50 19.8 15.7 23.5

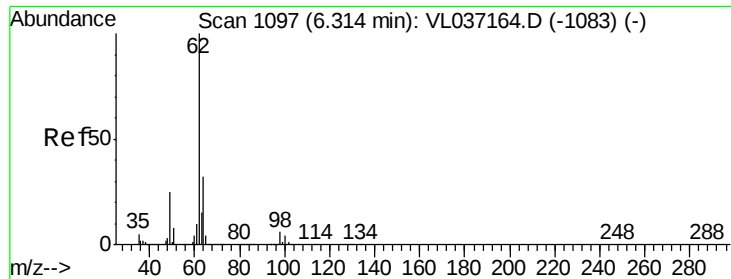


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0





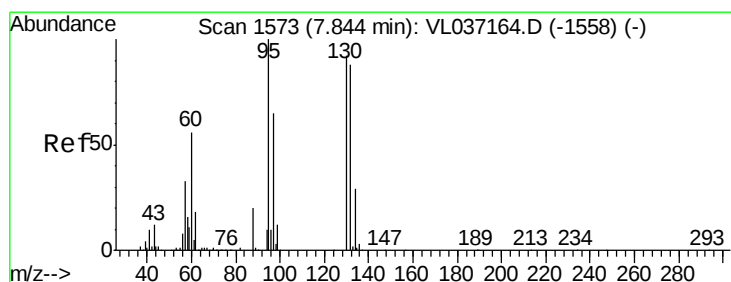
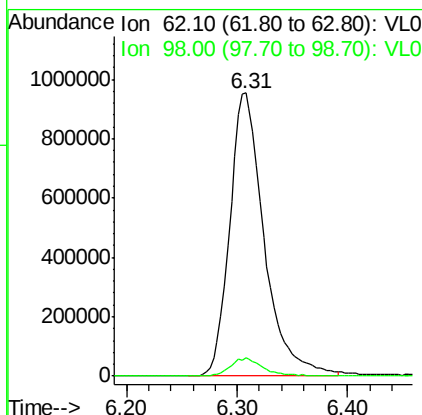
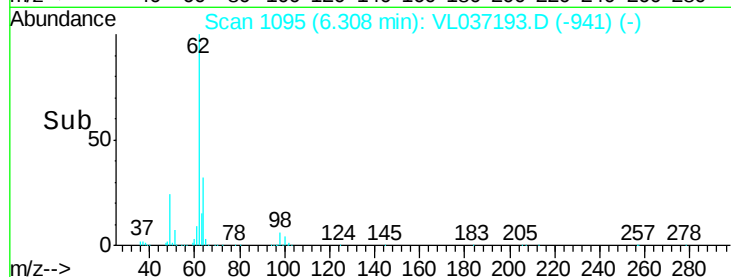
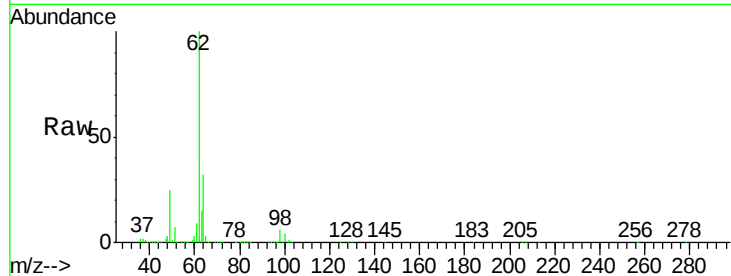
#37
 1,2-Dichloroethane
 Concen: 9.907 ppbv
 RT: 6.31 min Scan# 1095
 Delta R.T. -0.01 min
 Lab File: VL037193.D
 Acq: 17 Jun 2021 7:23

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion: 62 Resp: 2070455
 Ion Ratio Lower Upper
 62 100
 98 6.4 5.0 7.6

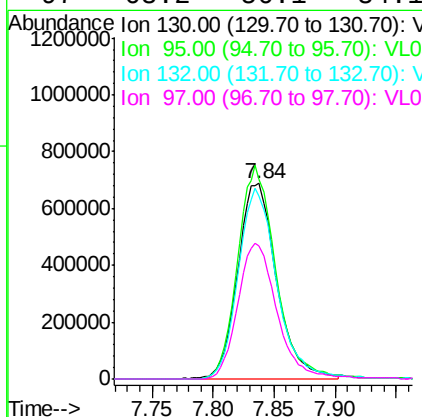
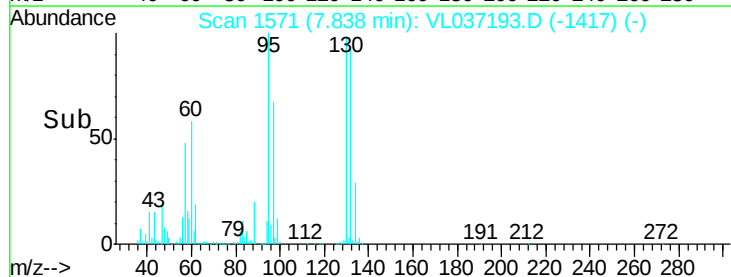
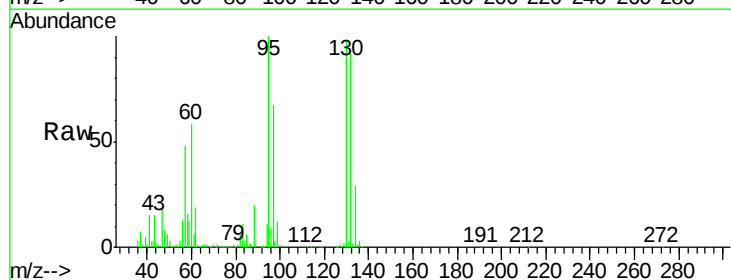
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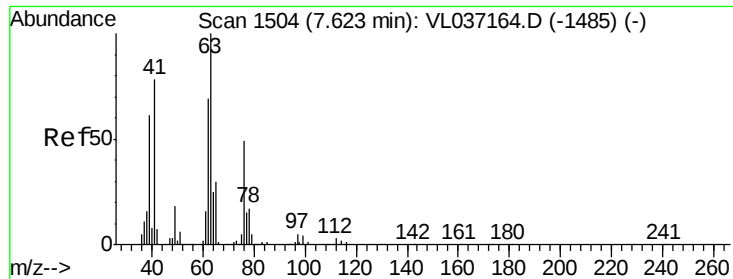
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#38
 Trichloroethene
 Concen: 8.787 ppbv
 RT: 7.84 min Scan# 1571
 Delta R.T. -0.01 min
 Lab File: VL037193.D
 Acq: 17 Jun 2021 7:23

Tgt Ion:130 Resp: 1502712
 Ion Ratio Lower Upper
 130 100
 95 102.5 86.6 129.8
 132 94.2 76.6 114.8
 97 68.2 56.1 84.1





#39

1,2-Dichloropropane

Concen: 10.042 ppbv

RT: 7.61 min Scan# 1501

Delta R.T. -0.01 min

Lab File: VL037193.D

Acq: 17 Jun 2021 7:23

Instrument :

MSVOA_L

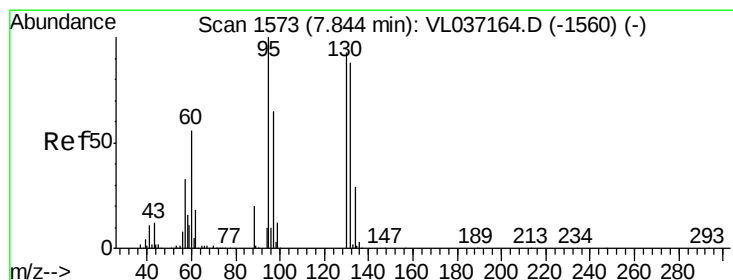
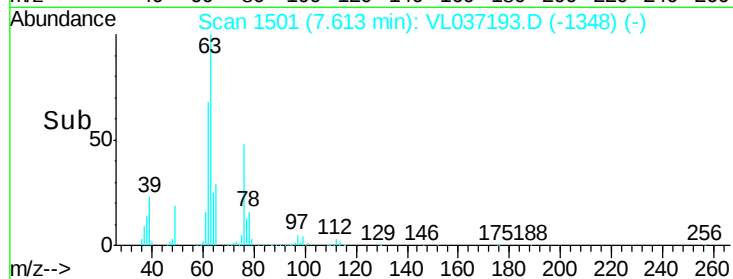
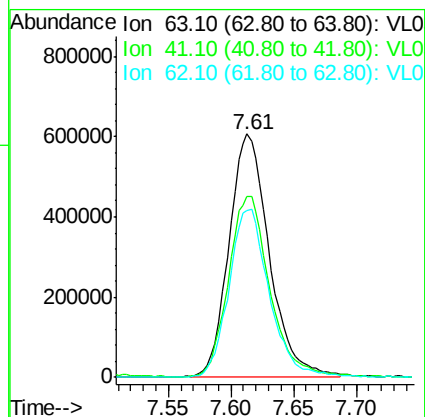
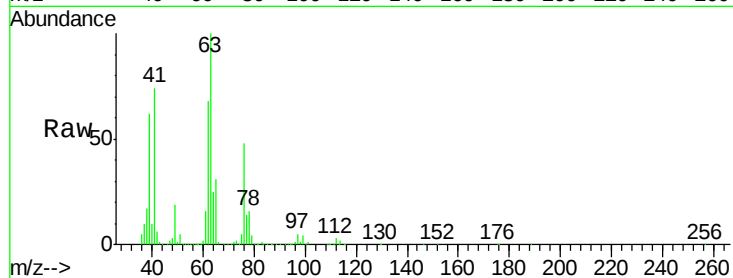
ClientSampleId :

VSTDCCC010EC

Tot Ion:	63	Resp:	1342491
Ion	Ratio	Lower	Upper
63	100		
41	73.9	62.0	93.0
62	68.2	54.9	82.3

Manual Integrations
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#40

1,4-Dioxane

Concen: 9.992 ppbv

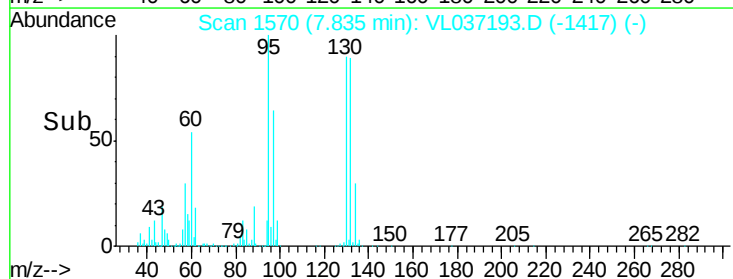
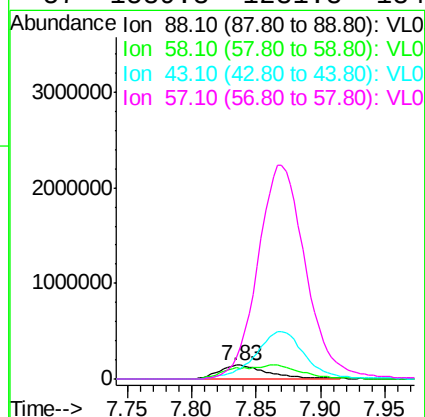
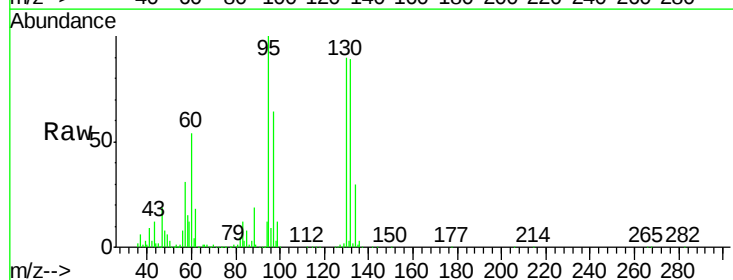
RT: 7.83 min Scan# 1570

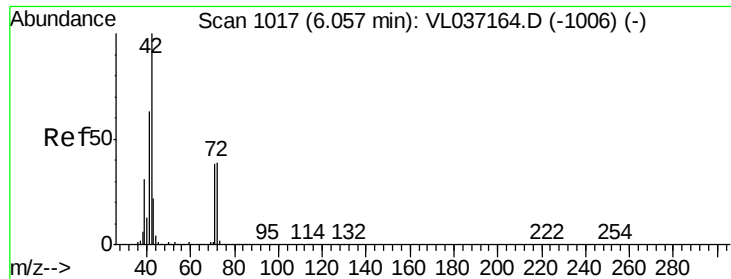
Delta R.T. -0.01 min

Lab File: VL037193.D

Acq: 17 Jun 2021 7:23

Tgt Ion:	88	Resp:	366285
Ion	Ratio	Lower	Upper
88	100		
58	151.0	118.4	177.6
43	366.8	284.0	426.0
57	1589.3	1231.8	1847.6





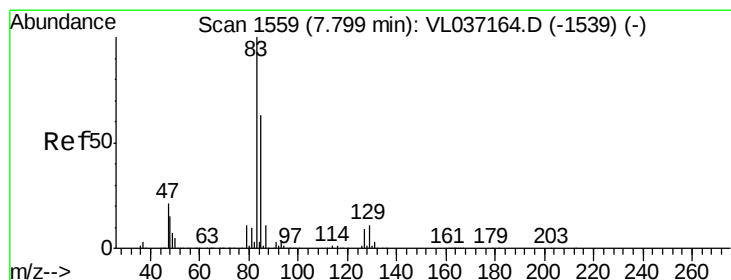
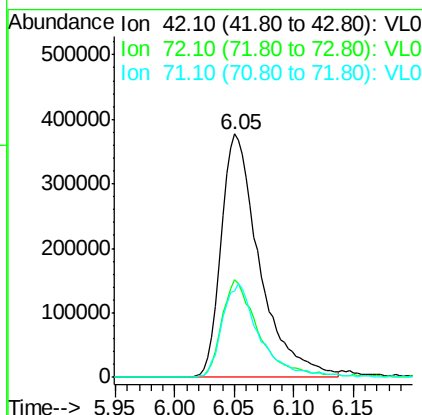
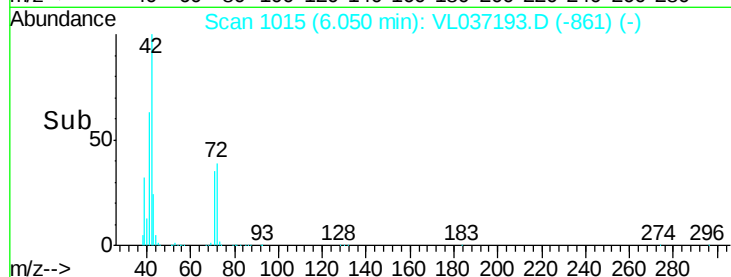
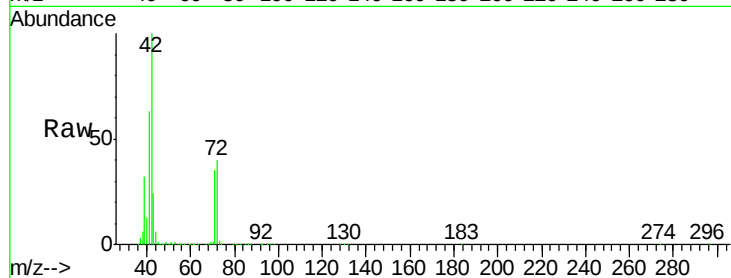
#41
Tetrahydrofuran
Concen: 10.454 ppbv
RT: 6.05 min Scan# 1015
Delta R.T. -0.01 min
Lab File: VL037193.D
Acq: 17 Jun 2021 7:23

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	40.0	33.0	49.4
71	38.5	31.0	46.6

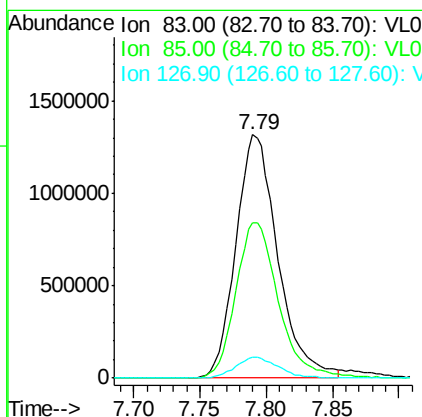
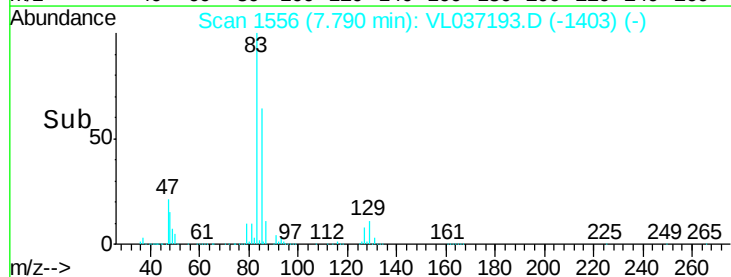
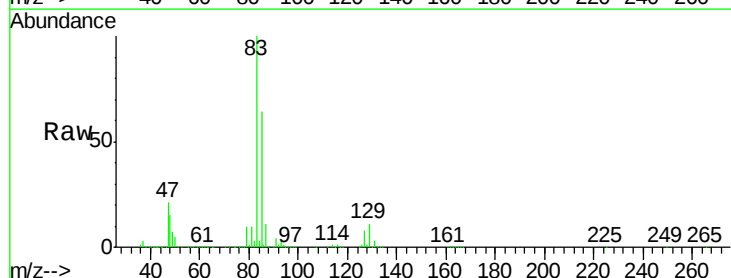
Manual Integrations
APPROVED

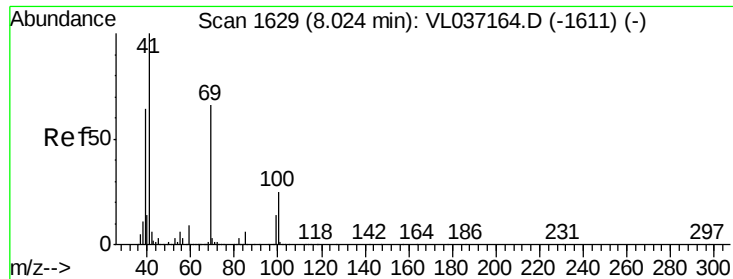
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#42
Bromodichloromethane
Concen: 10.056 ppbv
RT: 7.79 min Scan# 1556
Delta R.T. -0.01 min
Lab File: VL037193.D
Acq: 17 Jun 2021 7:23

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.5	50.8	76.2
127	8.5	7.0	10.6





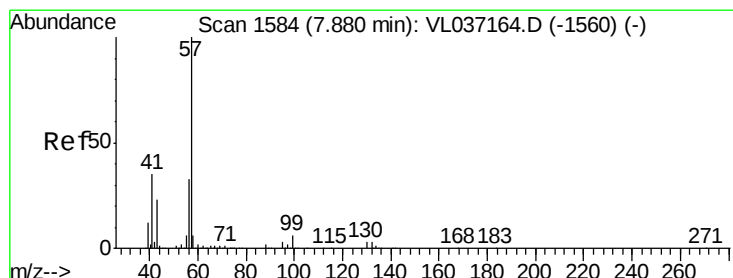
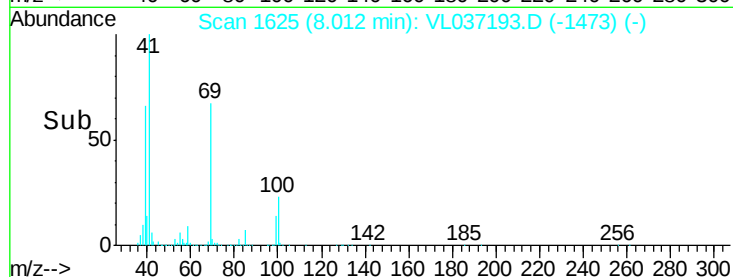
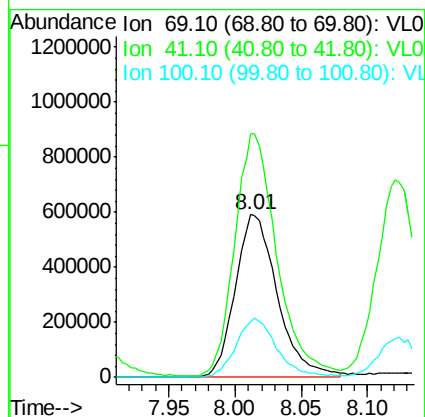
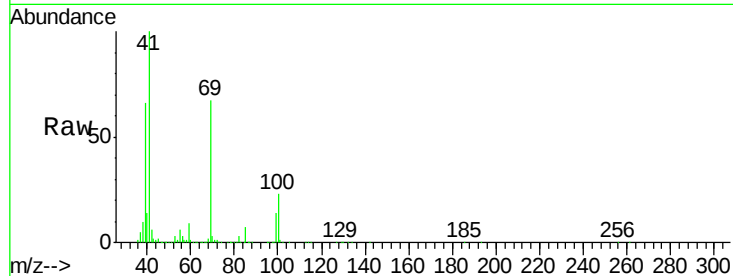
#43
Methvl Methacrylate
Concen: 10.515 ppbv
RT: 8.01 min Scan# 1625
Delta R.T. -0.01 min
Lab File: VL037193.D
Acq: 17 Jun 2021 7:23

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 69 Resp: 1306414
Ion Ratio Lower Upper
69 100
41 150.3 119.4 179.0
100 35.3 28.6 43.0

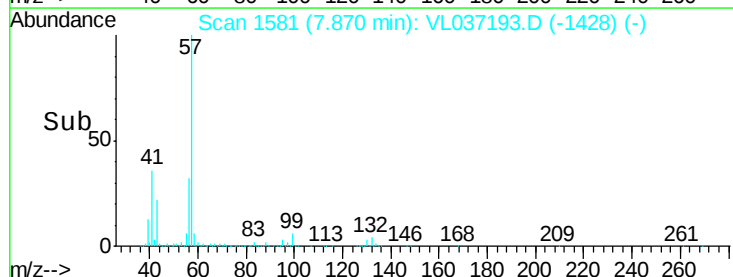
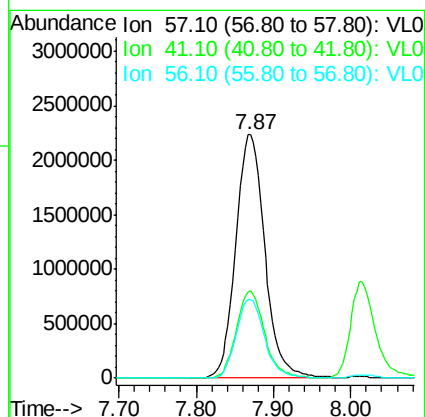
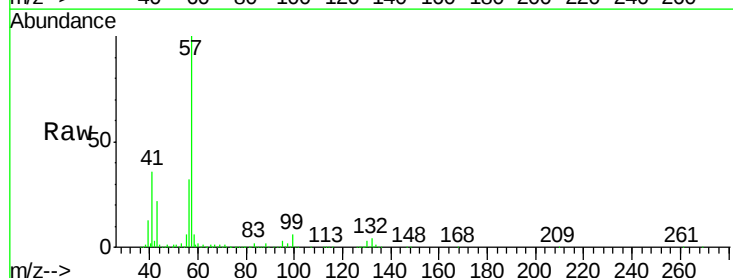
Manual Integrations
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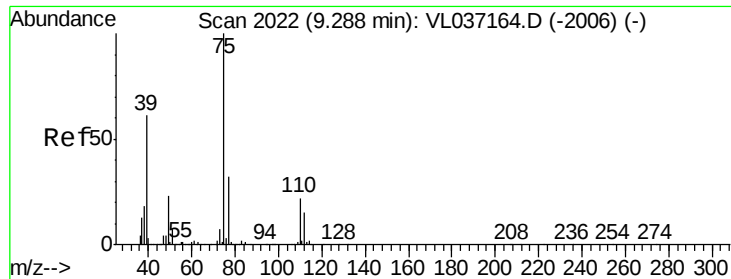
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#44
2,2,4-Trimethylpentane
Concen: 9.602 ppbv
RT: 7.87 min Scan# 1581
Delta R.T. -0.01 min
Lab File: VL037193.D
Acq: 17 Jun 2021 7:23

Tgt Ion: 57 Resp: 5817093
Ion Ratio Lower Upper
57 100
41 34.6 27.6 41.4
56 31.5 25.3 37.9





#45

t-1,3-Dichloropropene

Concen: 11.992 ppbv

RT: 9.28 min Scan# 2019

Delta R.T. -0.01 min

Lab File: VL037193.D

Acq: 17 Jun 2021 7:23

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 75 Resp: 1314545

Ion Ratio Lower Upper

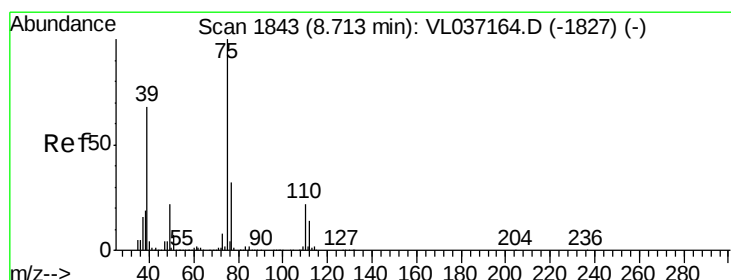
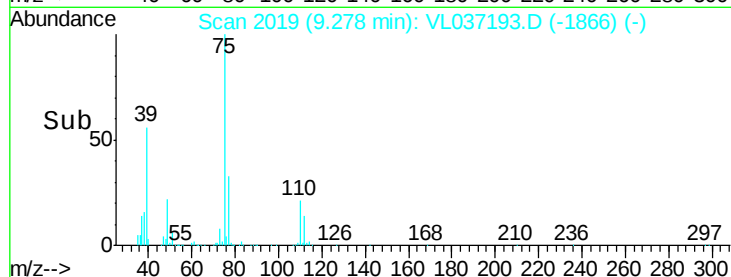
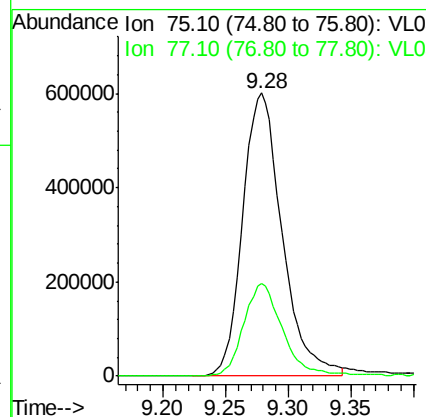
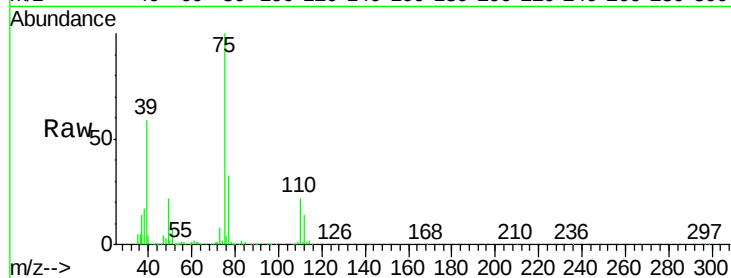
75 100

77 32.6 25.6 38.4

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#46

cis-1,3-Dichloropropene

Concen: 11.154 ppbv

RT: 8.70 min Scan# 1840

Delta R.T. -0.01 min

Lab File: VL037193.D

Acq: 17 Jun 2021 7:23

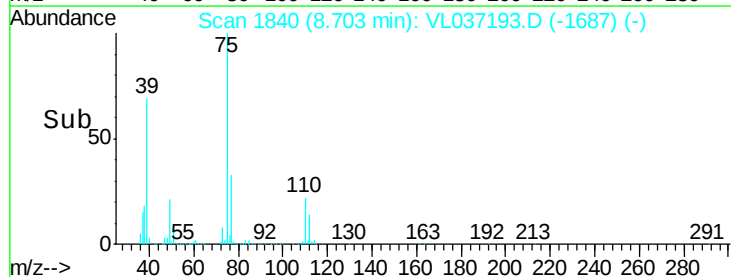
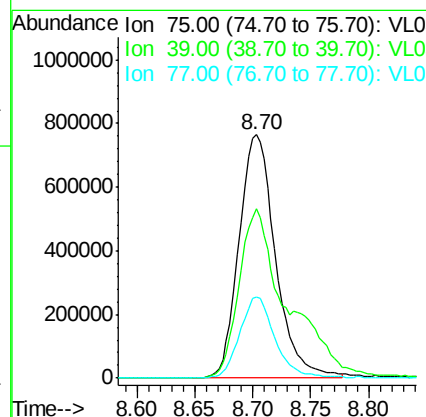
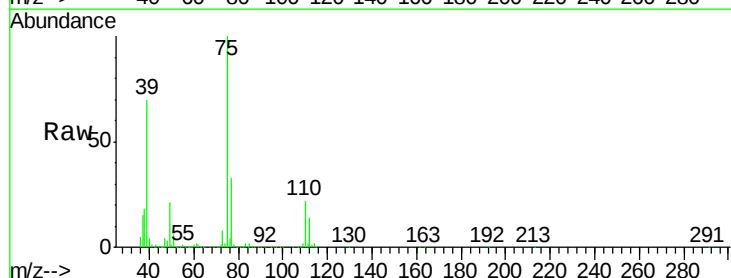
Tgt Ion: 75 Resp: 1672574

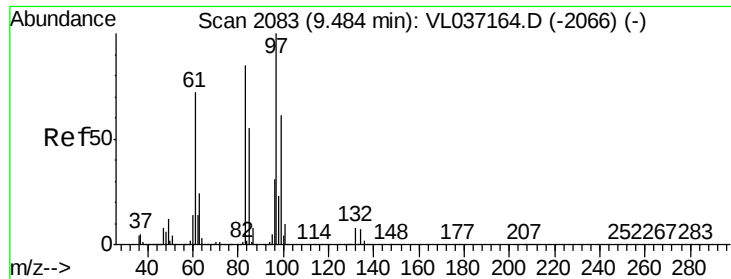
Ion Ratio Lower Upper

75 100

39 69.5 54.7 82.1

77 33.5 25.8 38.8





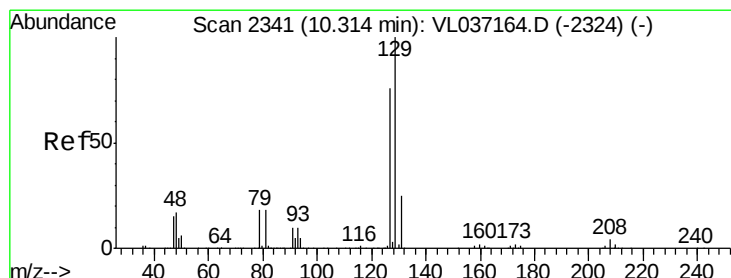
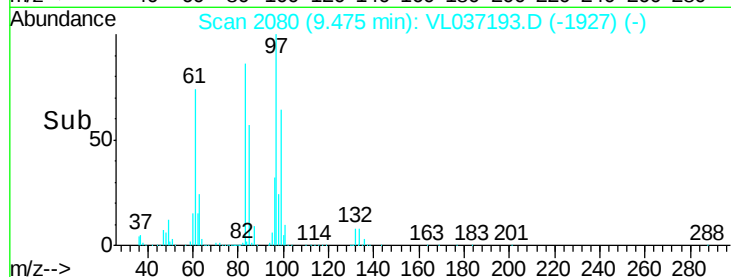
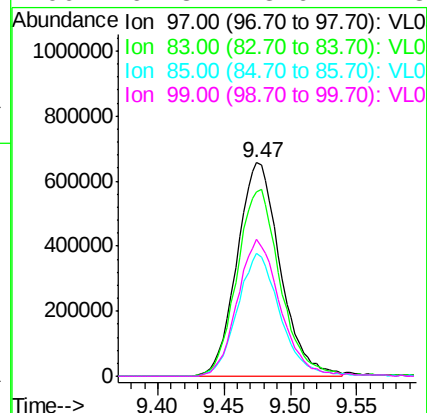
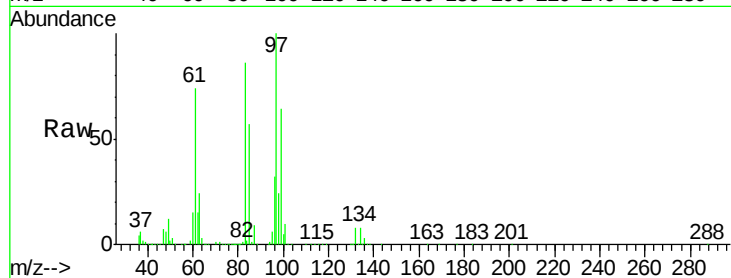
#47
 1,1,2-Trichloroethane
 Concen: 9.698 ppbv
 RT: 9.47 min Scan# 2080
 Delta R.T. -0.01 min
 Lab File: VL037193.D
 Acq: 17 Jun 2021 7:23

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ion	Ratio	Lower	Upper
97	100			
83	86.3	68.3	102.5	
85	57.5	44.1	66.1	
99	64.3	48.6	72.8	

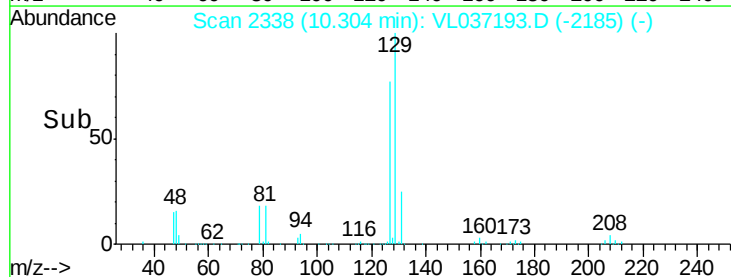
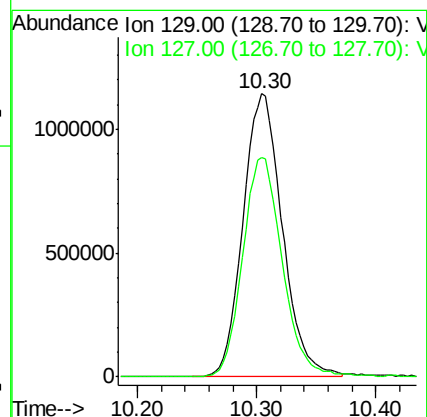
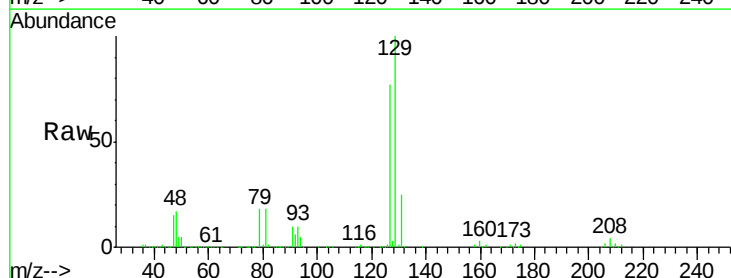
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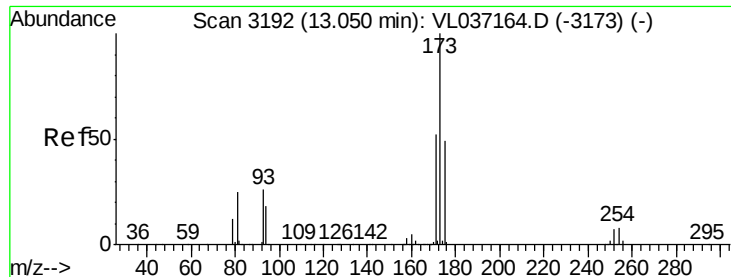
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#48
 Dibromochloromethane
 Concen: 10.881 ppbv
 RT: 10.30 min Scan# 2338
 Delta R.T. -0.01 min
 Lab File: VL037193.D
 Acq: 17 Jun 2021 7:23

Tgt Ion	Ion	Ratio	Lower	Upper
129	100			
127	78.7	39.1	117.2	





#49

Bromoform

Concen: 11.893 ppbv

RT: 13.04 min Scan# 3189

Delta R.T. -0.01 min

Lab File: VL037193.D

Acq: 17 Jun 2021 7:23

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:173 Resp: 2133228

Ion Ratio Lower Upper

173 100

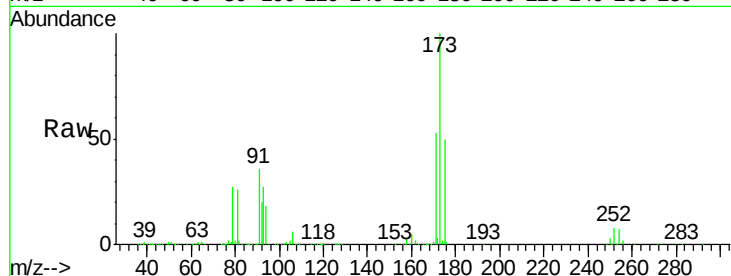
175 50.1 40.2 60.4

171 53.3 41.8 62.8

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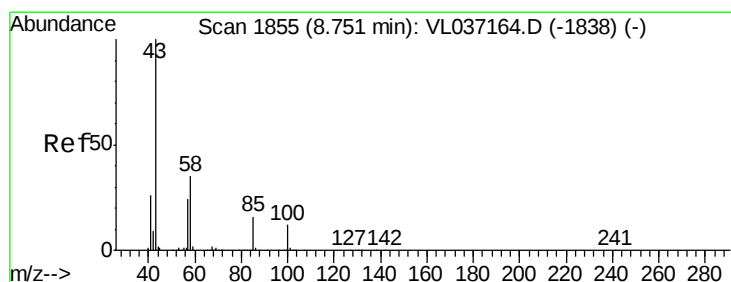
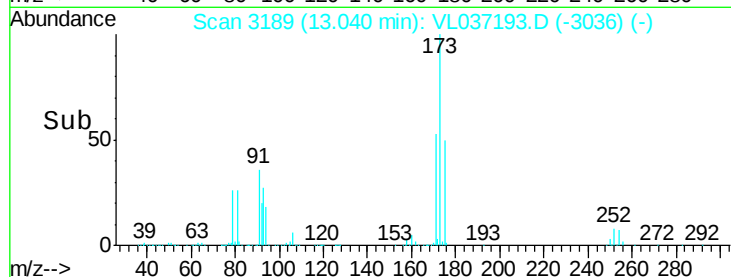
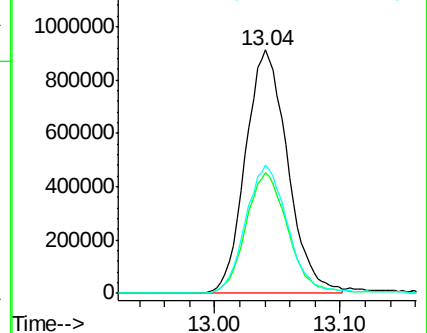
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Abundance Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 170.90 (170.60 to 171.60): V



#50

4-Methyl-2-Pentanone

Concen: 10.482 ppbv

RT: 8.74 min Scan# 1853

Delta R.T. -0.01 min

Lab File: VL037193.D

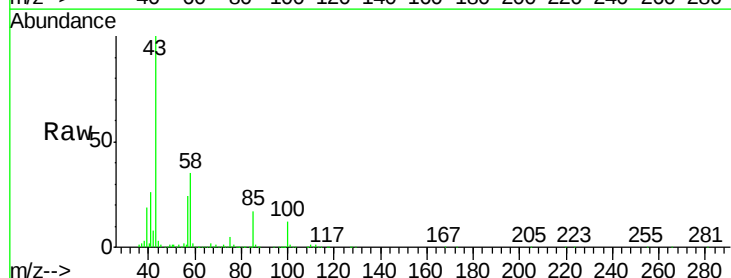
Acq: 17 Jun 2021 7:23

Tgt Ion: 43 Resp: 2491228

Ion Ratio Lower Upper

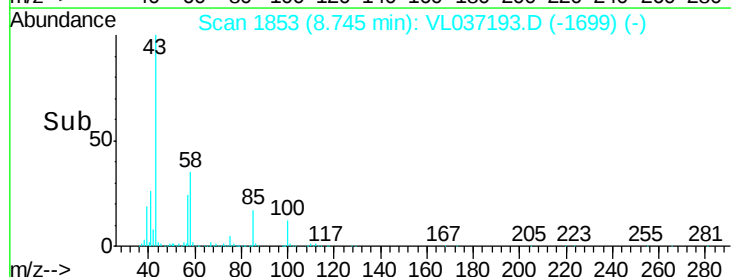
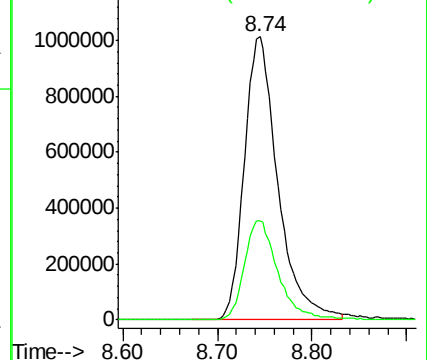
43 100

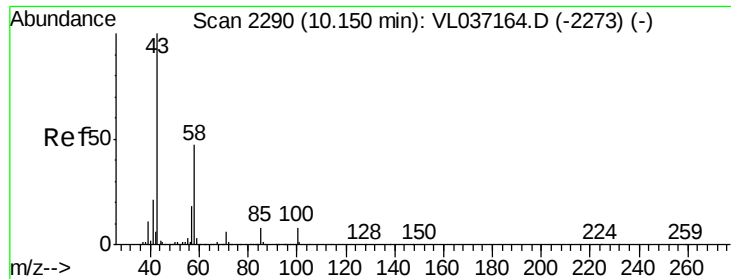
58 35.8 28.4 42.6



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0





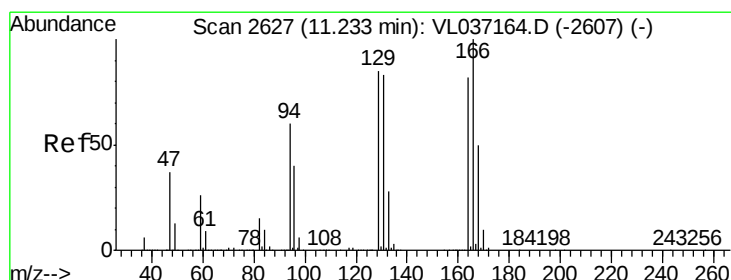
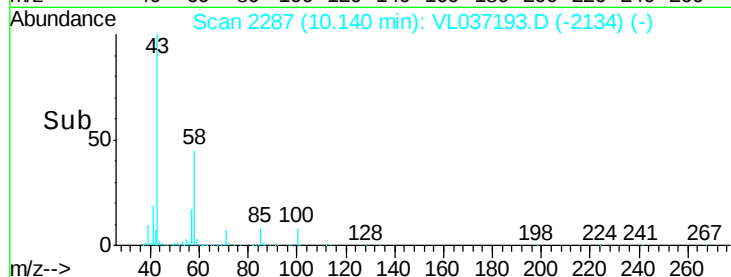
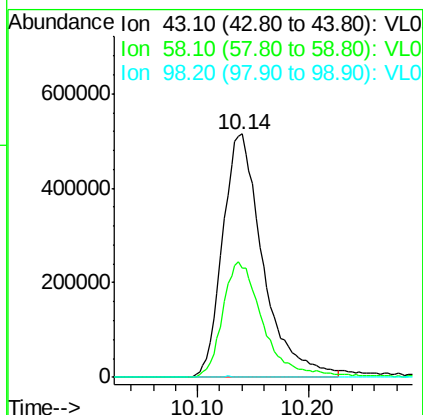
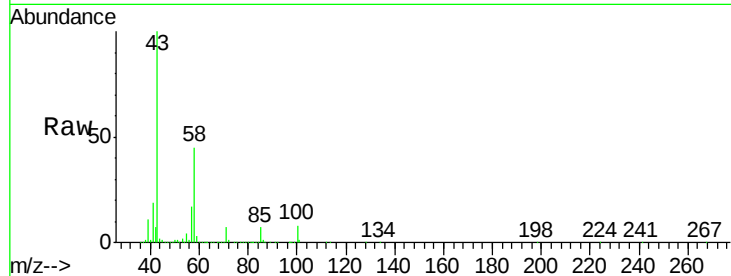
#51
2-Hexanone
Concen: 11.198 ppbv
RT: 10.14 min Scan# 2287
Delta R.T. -0.01 min
Lab File: VL037193.D
Acq: 17 Jun 2021 7:23

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 43 Resp: 1294828
Ion Ratio Lower Upper
43 100
58 48.5 38.4 57.6
98 0.3 0.3 0.5#

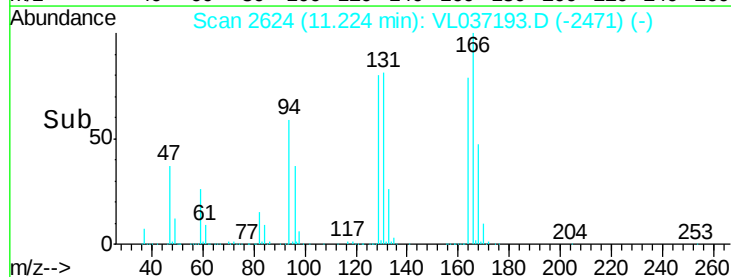
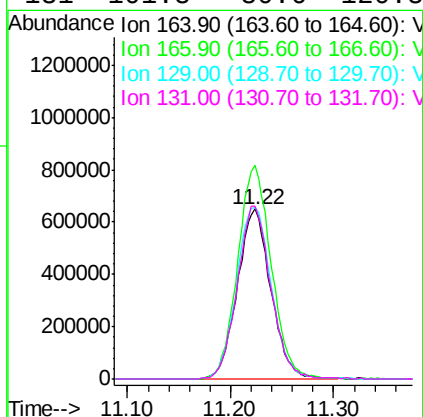
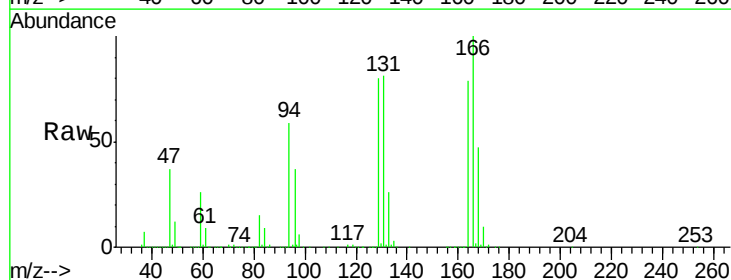
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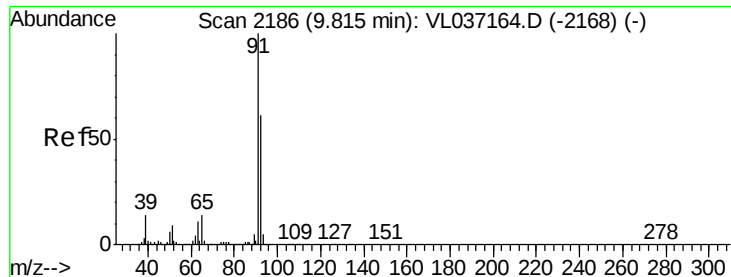
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#52
Tetrachloroethene
Concen: 8.767 ppbv
RT: 11.22 min Scan# 2624
Delta R.T. -0.01 min
Lab File: VL037193.D
Acq: 17 Jun 2021 7:23

Tgt Ion: 164 Resp: 1465585
Ion Ratio Lower Upper
164 100
166 125.9 97.6 146.4
129 101.2 82.9 124.3
131 101.8 80.6 120.8





#53

Toluene

Concen: 9.886 ppbv

RT: 9.81 min Scan# 2183

Delta R.T. -0.01 min

Lab File: VL037193.D

Acq: 17 Jun 2021 7:23

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 91 Resp: 4248525

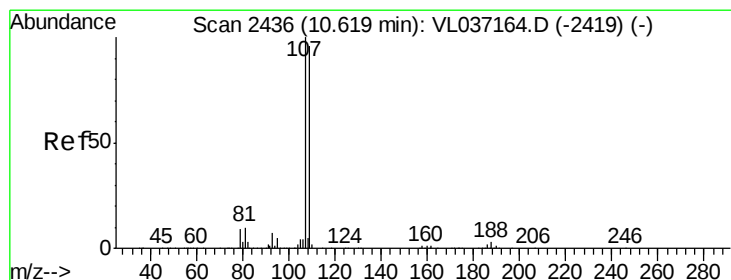
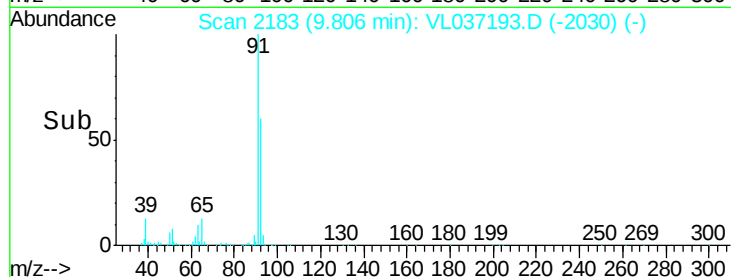
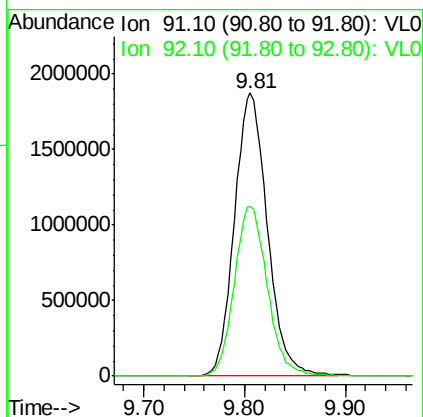
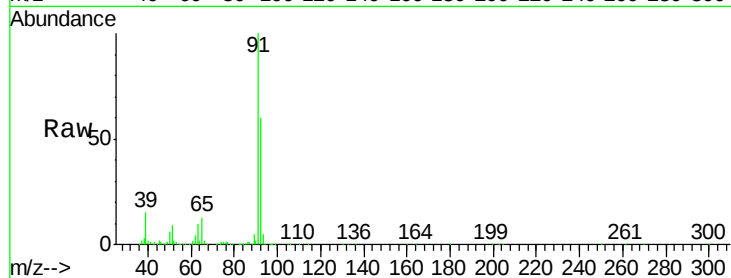
Ion Ratio Lower Upper

91 100

92 60.4 48.3 72.5

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#54

1,2-Dibromoethane

Concen: 10.343 ppbv

RT: 10.61 min Scan# 2433

Delta R.T. -0.01 min

Lab File: VL037193.D

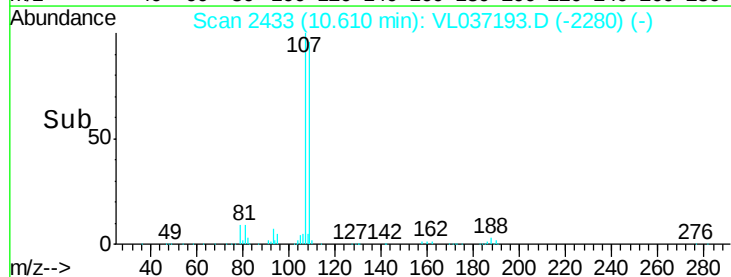
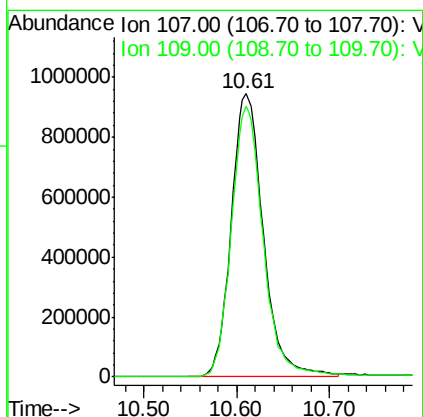
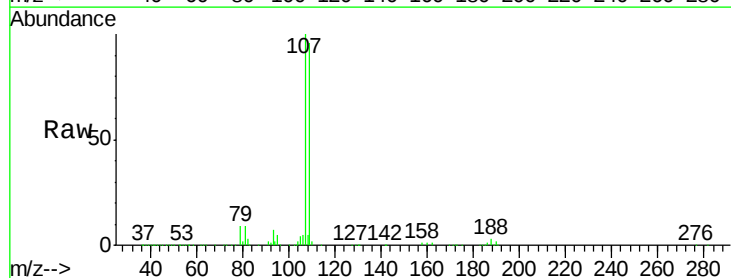
Acq: 17 Jun 2021 7:23

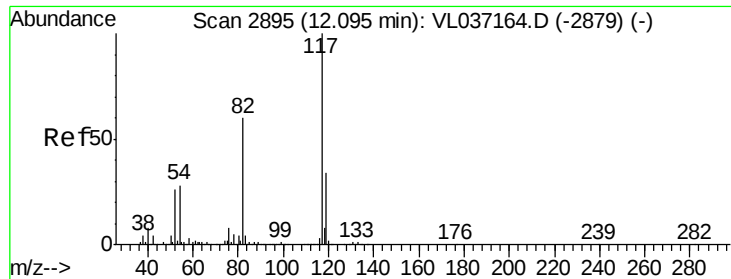
Tgt Ion: 107 Resp: 2267084

Ion Ratio Lower Upper

107 100

109 95.7 77.0 115.6





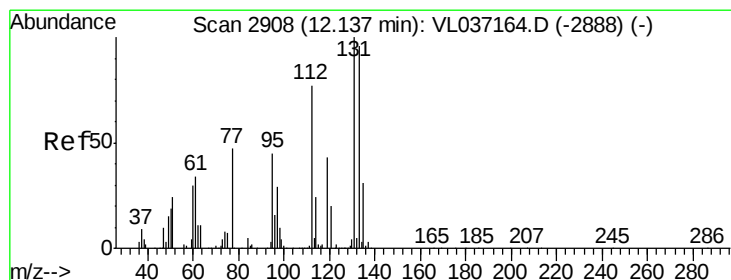
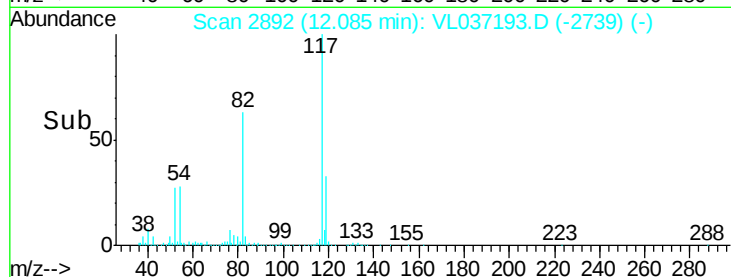
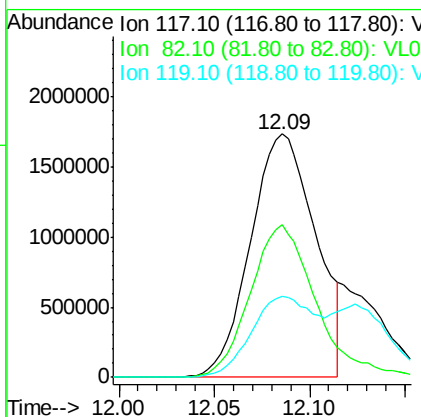
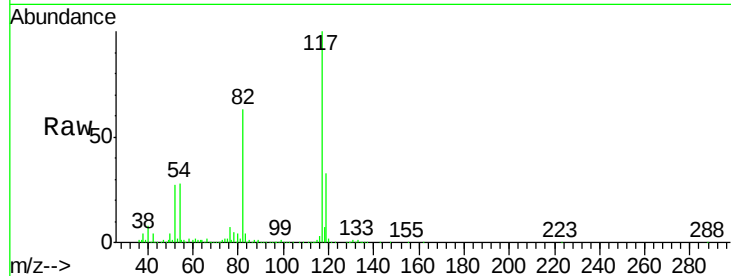
#55
Chlorobenzene-d5
Concen: 10.000 ppbv m
RT: 12.09 min Scan# 2892
Delta R.T. -0.01 min
Lab File: VL037193.D
Acq: 17 Jun 2021 7:23

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion:117 Resp: 4111713
Ion Ratio Lower Upper
117 100
82 63.8 51.7 77.5
119 35.3 47.6 71.4#

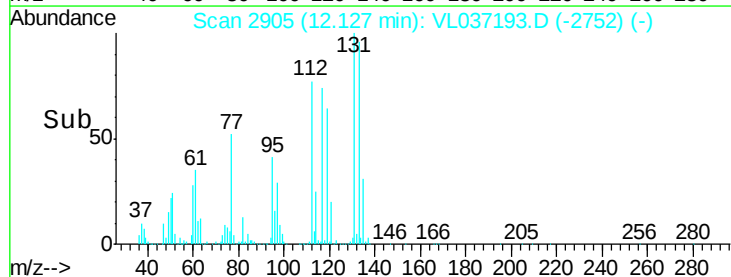
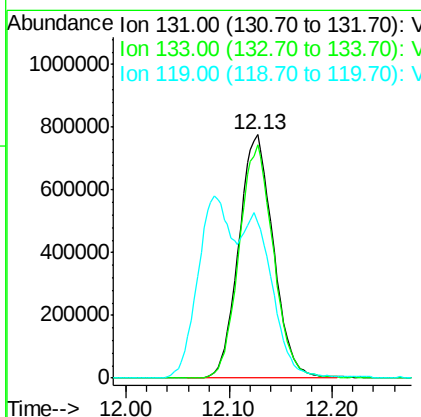
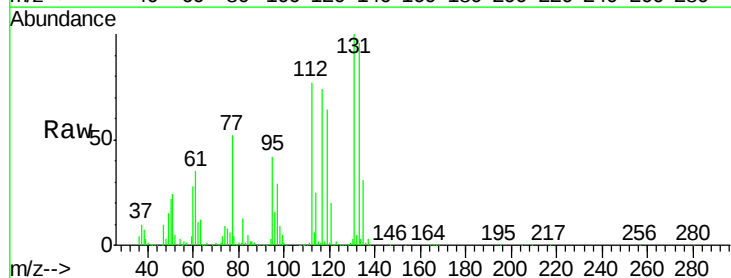
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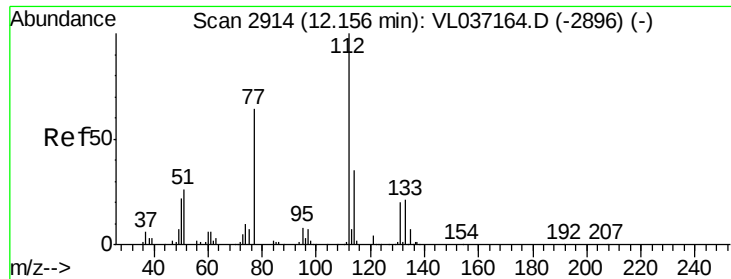
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#56
1,1,1,2-Tetrachloroethane
Concen: 10.072 ppbv
RT: 12.13 min Scan# 2905
Delta R.T. -0.01 min
Lab File: VL037193.D
Acq: 17 Jun 2021 7:23

Tgt Ion:131 Resp: 1810635
Ion Ratio Lower Upper
131 100
133 95.5 76.5 114.7
119 55.1 48.6 72.8





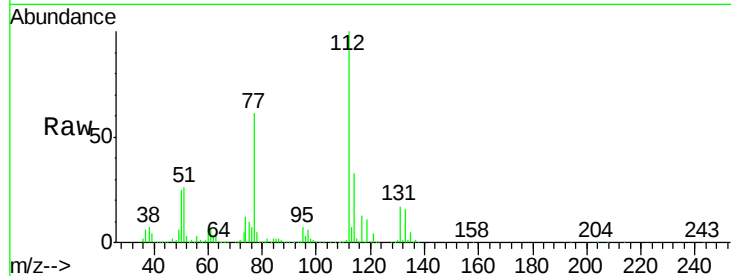
#57
Chlorobenzene
Concen: 9.675 ppbv
RT: 12.15 min Scan# 2912
Delta R.T. -0.01 min
Lab File: VL037193.D
Acq: 17 Jun 2021 7:23

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

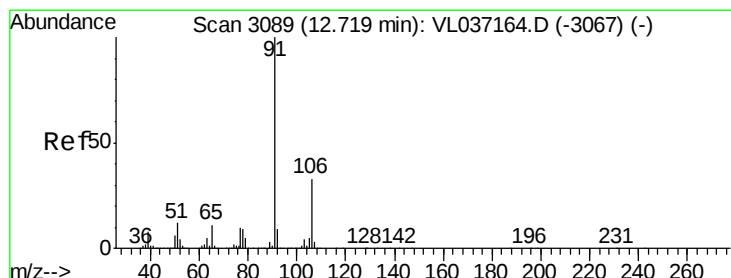
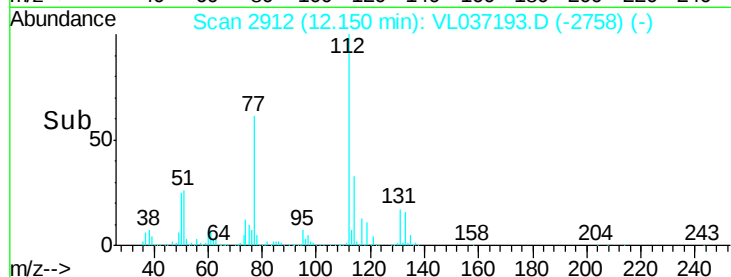
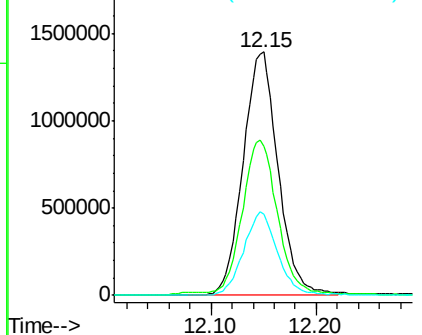
Tot Ion: 112 Resp: 3226233
Ion Ratio Lower Upper
112 100
77 60.6 52.2 78.4
114 33.1 31.1 38.1

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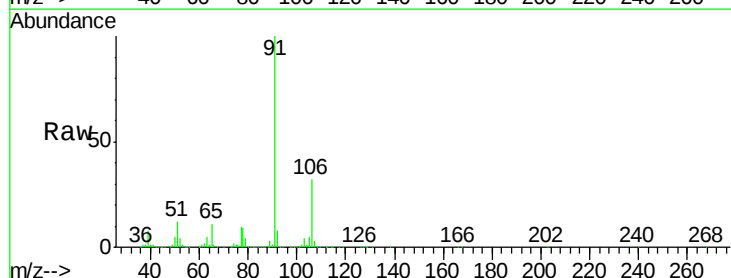


Abundance Ion 112.10 (111.80 to 112.80): V
Ion 77.10 (76.80 to 77.80): VL0
Ion 114.10 (113.80 to 114.80): V

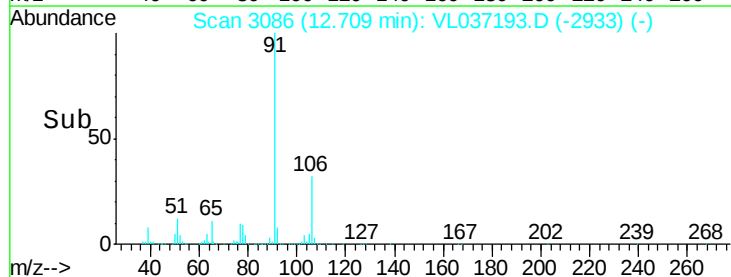
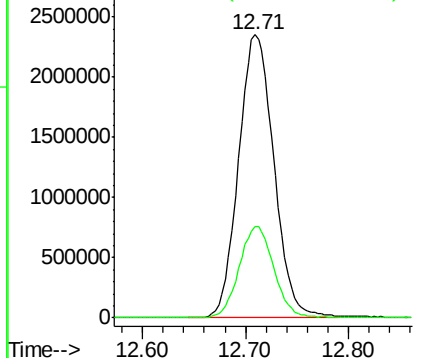


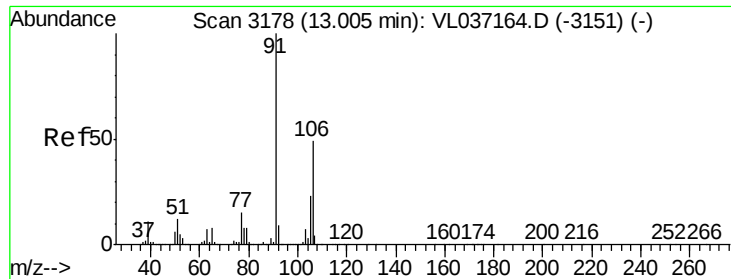
#58
Ethyl Benzene
Concen: 9.917 ppbv
RT: 12.71 min Scan# 3086
Delta R.T. -0.01 min
Lab File: VL037193.D
Acq: 17 Jun 2021 7:23

Tgt Ion: 91 Resp: 5613234
Ion Ratio Lower Upper
91 100
106 32.3 26.3 39.5



Abundance Ion 91.10 (90.80 to 91.80): VL0
Ion 106.10 (105.80 to 106.80): V





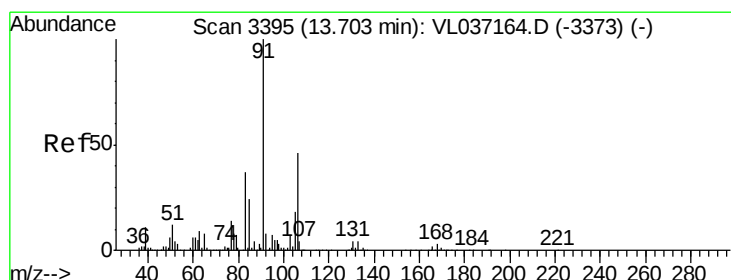
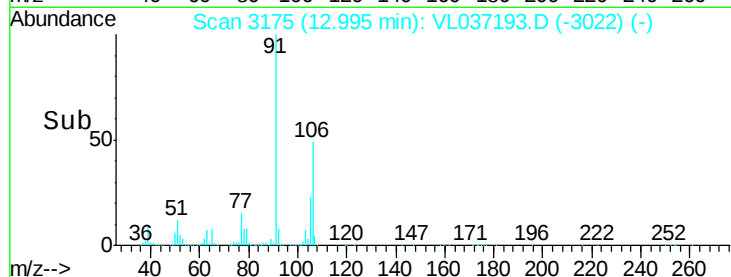
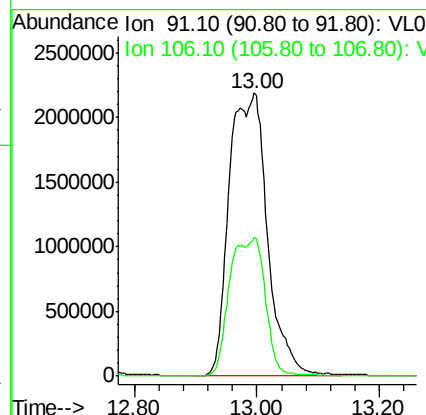
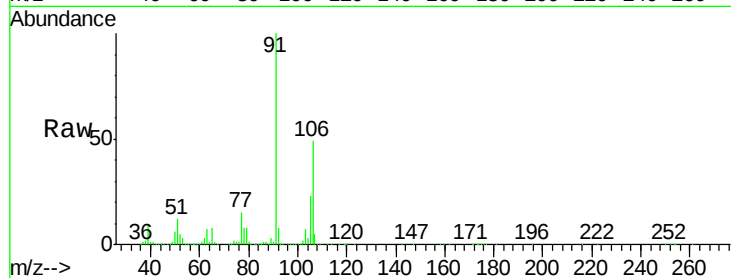
#59
m/p-Xylene
Concen: 19.830 ppbv m
RT: 13.00 min Scan# 3175
Delta R.T. -0.01 min
Lab File: VL037193.D
Acq: 17 Jun 2021 7:23

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 91 Resp: 9512233
Ion Ratio Lower Upper
91 100
106 45.7 37.0 55.4

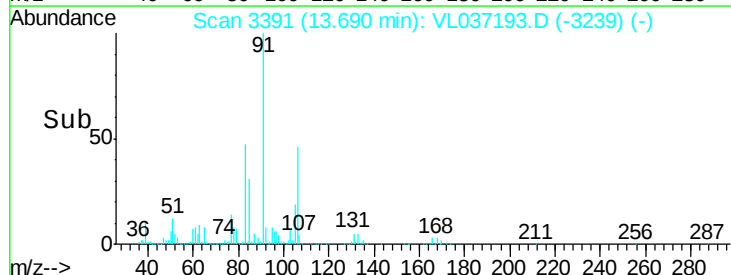
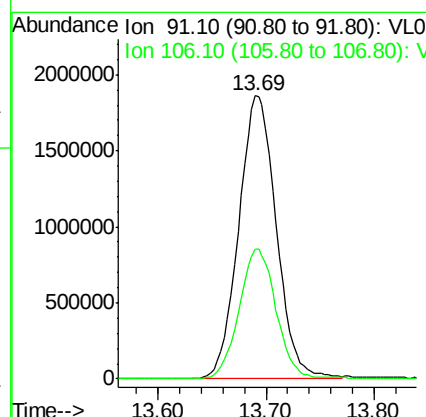
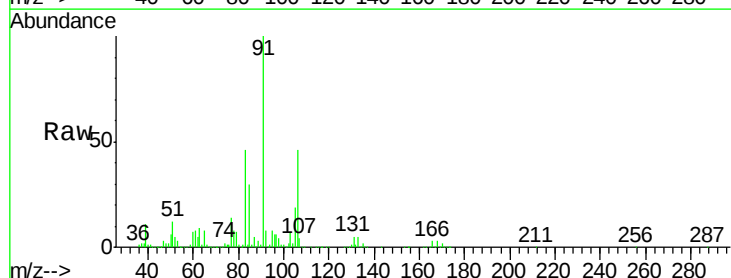
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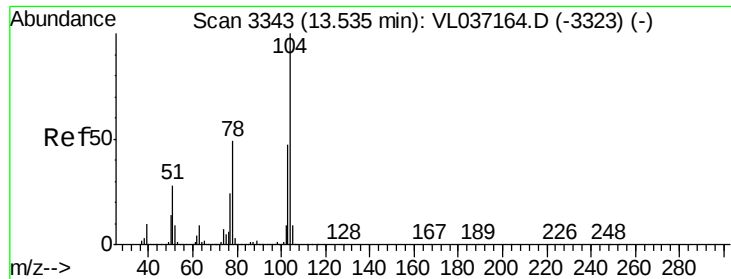
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#60
o-Xylene
Concen: 9.863 ppbv
RT: 13.69 min Scan# 3391
Delta R.T. -0.01 min
Lab File: VL037193.D
Acq: 17 Jun 2021 7:23

Tgt Ion: 91 Resp: 4504778
Ion Ratio Lower Upper
91 100
106 45.6 23.0 69.0





#61

Stvrene

Concen: 10.994 ppbv

RT: 13.53 min Scan# 3340

Delta R.T. -0.01 min

Lab File: VL037193.D

Acq: 17 Jun 2021 7:23

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:104 Resp: 2591595

Ion Ratio Lower Upper

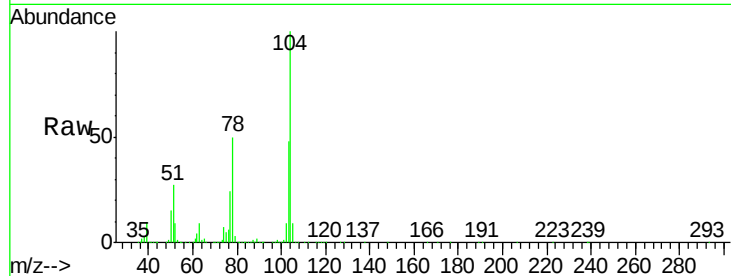
104 100

78 50.8 39.7 59.5

103 48.3 37.6 56.4

Manual Integrations
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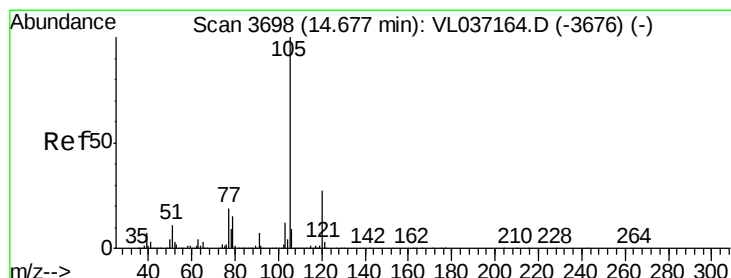
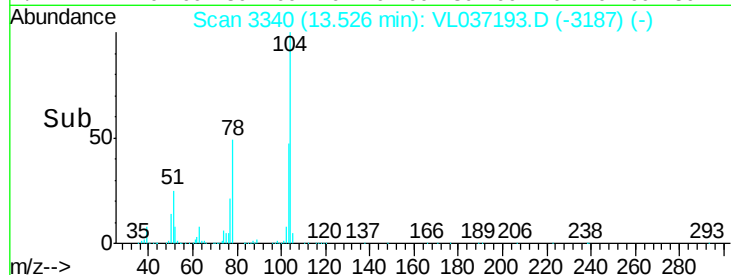
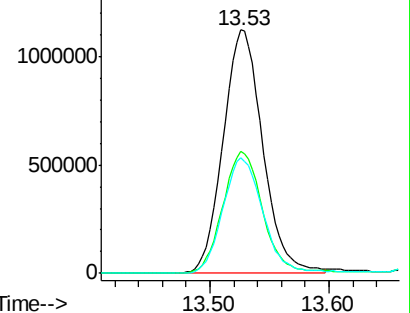
MMDadoda
6/17/2021 5:38:56 PM



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VL0

Ion 103.10 (102.80 to 103.80): V



#62

Isopropylbenzene

Concen: 9.614 ppbv

RT: 14.67 min Scan# 3695

Delta R.T. -0.01 min

Lab File: VL037193.D

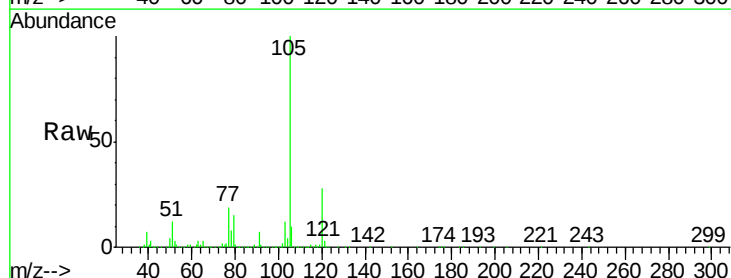
Acq: 17 Jun 2021 7:23

Tgt Ion:105 Resp: 6243855

Ion Ratio Lower Upper

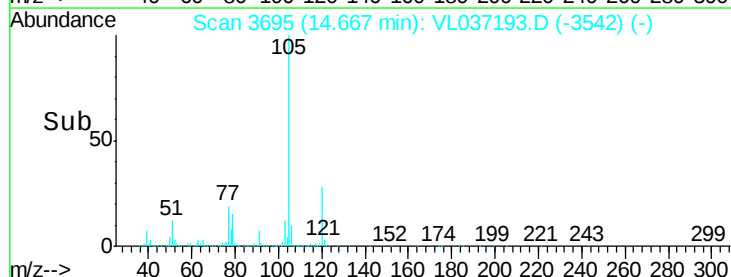
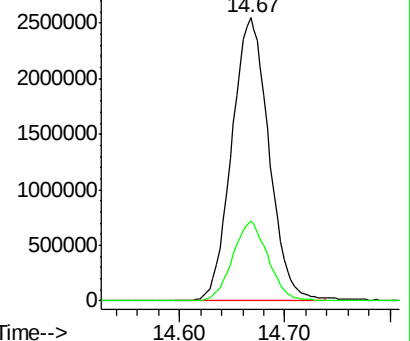
105 100

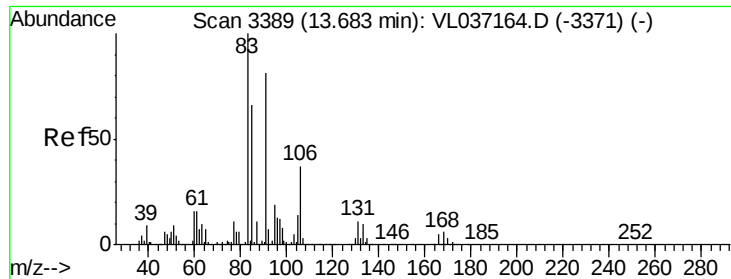
120 27.1 21.6 32.4



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V





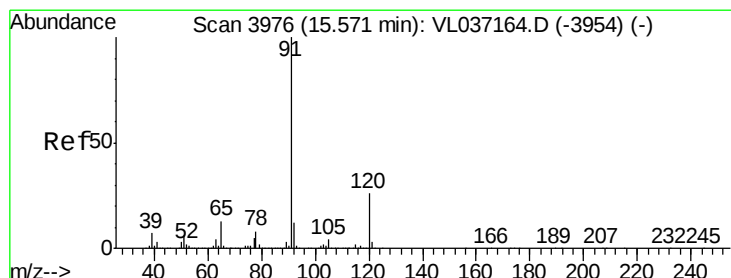
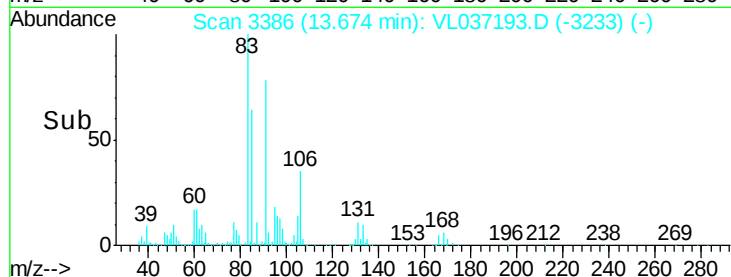
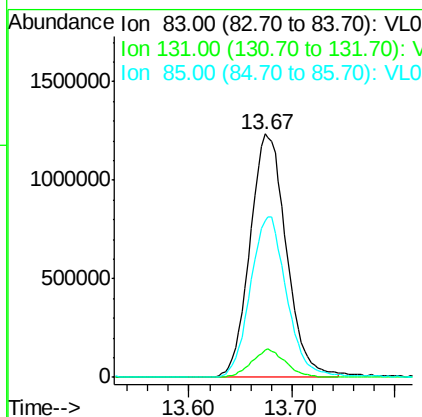
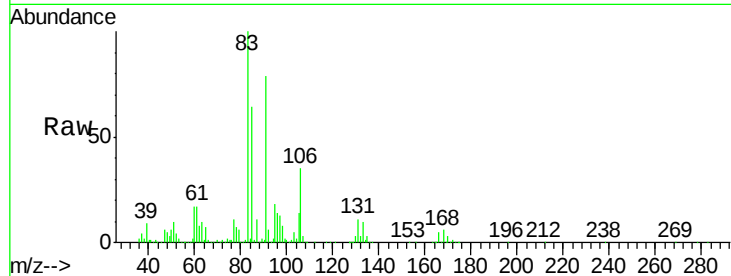
#63
 1,1,2,2-Tetrachloroethane
 Concen: 9.942 ppbv
 RT: 13.67 min Scan# 3386
 Delta R.T. -0.01 min
 Lab File: VL037193.D
 Acq: 17 Jun 2021 7:23

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion: 83 Resp: 3023599
 Ion Ratio Lower Upper
 83 100
 131 11.0 5.4 16.2
 85 66.8 33.1 99.2

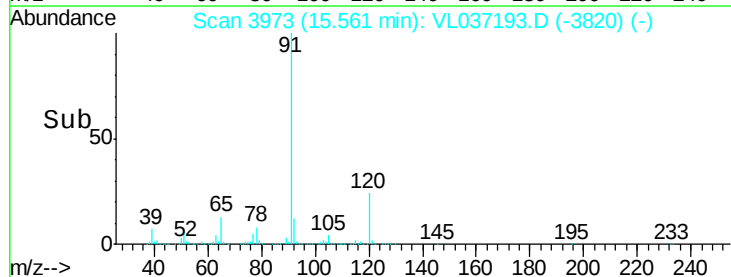
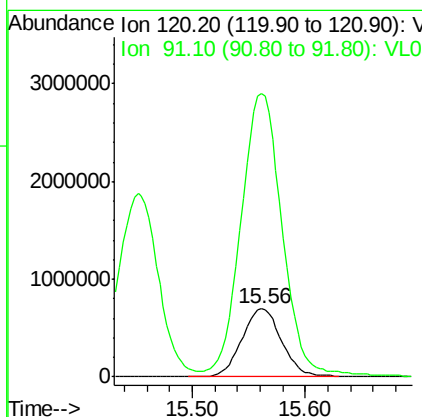
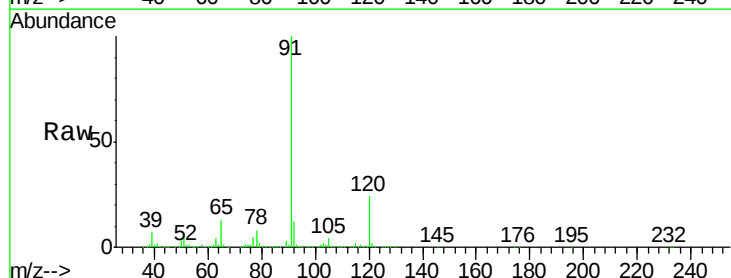
Manual Integrations
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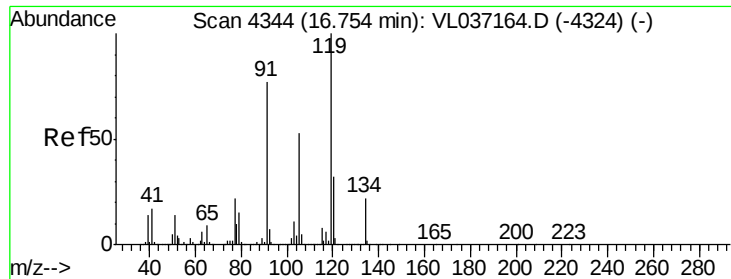
MMDadoda
 6/17/2021 5:38:56 PM



#64
 n-propylbenzene
 Concen: 10.449 ppbv
 RT: 15.56 min Scan# 3973
 Delta R.T. -0.01 min
 Lab File: VL037193.D
 Acq: 17 Jun 2021 7:23

Tgt Ion: 120 Resp: 1699609
 Ion Ratio Lower Upper
 120 100
 91 434.8 343.3 514.9





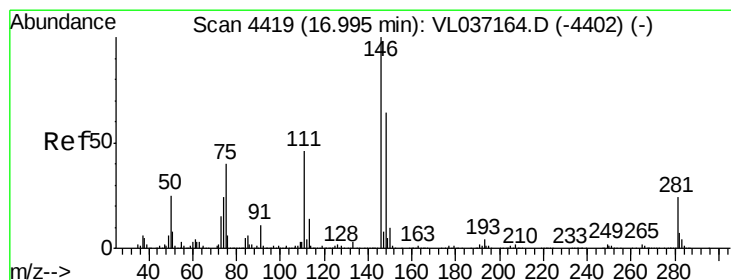
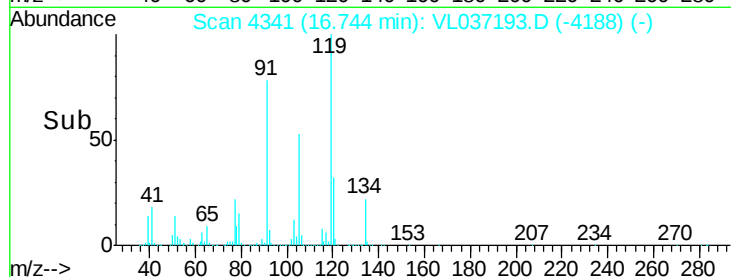
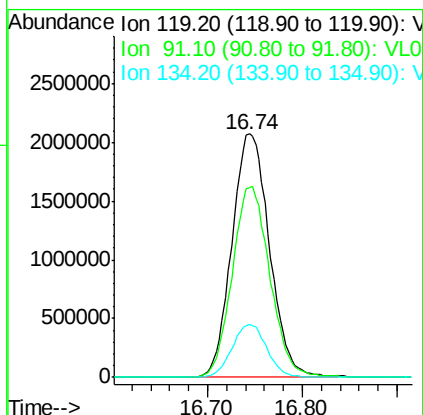
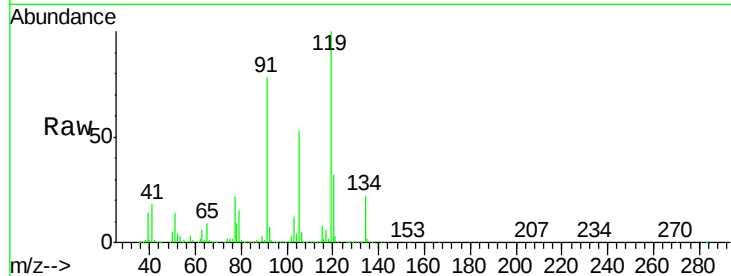
#65
tert-Butylbenzene
Concen: 9.912 ppbv
RT: 16.74 min Scan# 4341
Delta R.T. -0.01 min
Lab File: VL037193.D
Acq: 17 Jun 2021 7:23

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	78.7	62.6	93.8
134	20.3	16.2	24.4

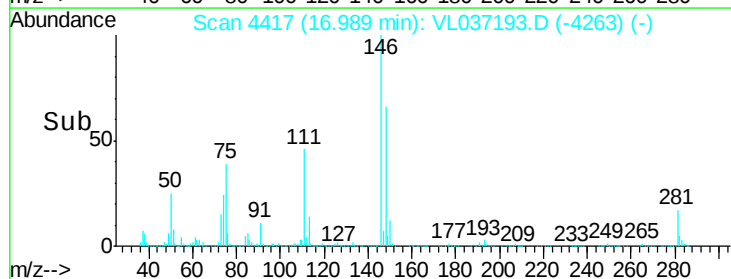
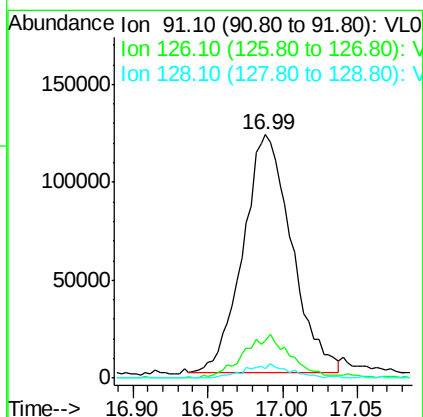
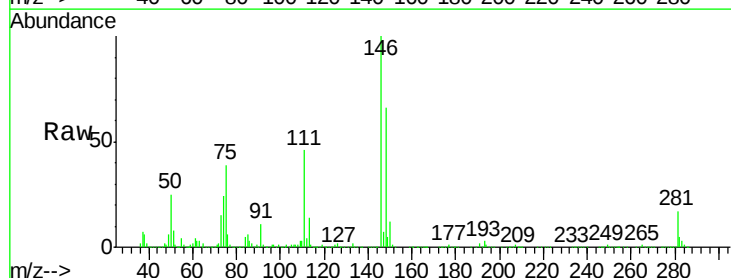
Manual Integrations
APPROVED

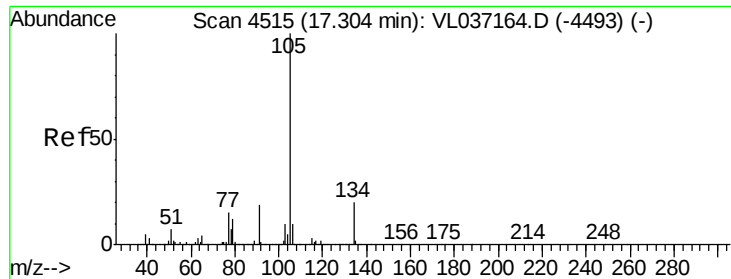
MMDadoda
6/17/2021 5:38:56 PM



#66
Benzyl Chloride
Concen: 11.207 ppbv
RT: 16.99 min Scan# 4417
Delta R.T. -0.01 min
Lab File: VL037193.D
Acq: 17 Jun 2021 7:23

Tgt Ion	Ratio	Lower	Upper
91	100		
126	19.2	15.5	23.3
128	5.8	5.7	8.5





#67

sec-Butylbenzene

Concen: 9.894 ppbv

RT: 17.29 min Scan# 4512

Delta R.T. -0.01 min

Lab File: VL037193.D

Acq: 17 Jun 2021 7:23

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 105 Resp: 7600088

Ion Ratio Lower Upper

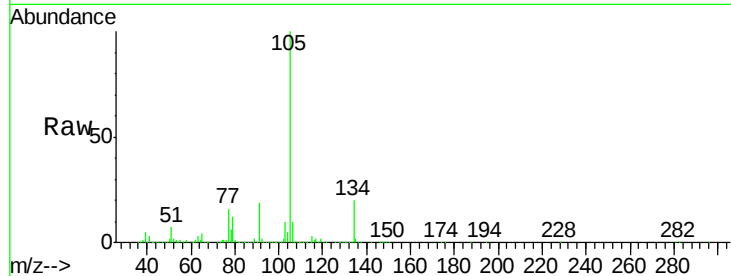
105 100

134 19.9 15.8 23.6

Manual Integrations
APPROVED

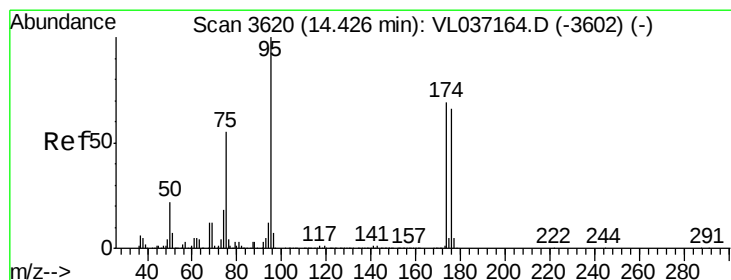
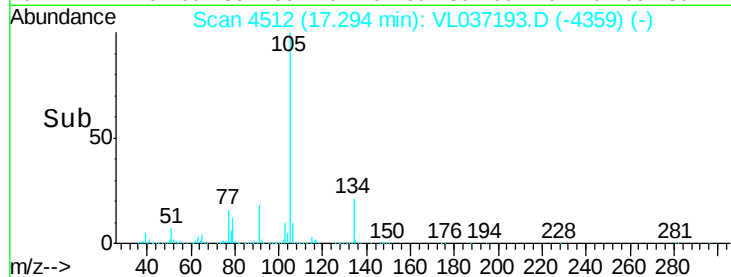
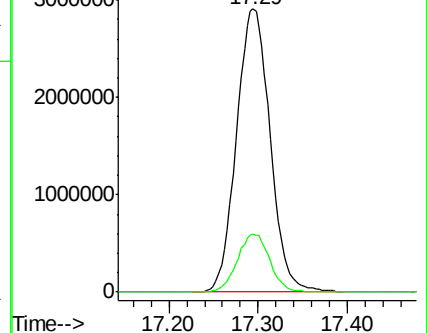
MMDadoda

6/17/2021 5:38:56 PM



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V



#68

1-Bromo-4-Fluorobenzene

Concen: 10.345 ppbv

RT: 14.41 min Scan# 3616

Delta R.T. -0.01 min

Lab File: VL037193.D

Acq: 17 Jun 2021 7:23

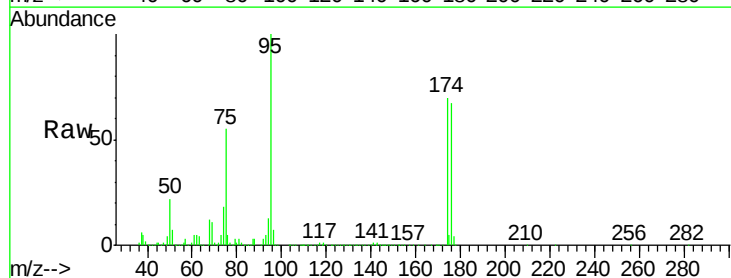
Tgt Ion: 95 Resp: 3223115

Ion Ratio Lower Upper

95 100

174 71.2 57.0 85.4

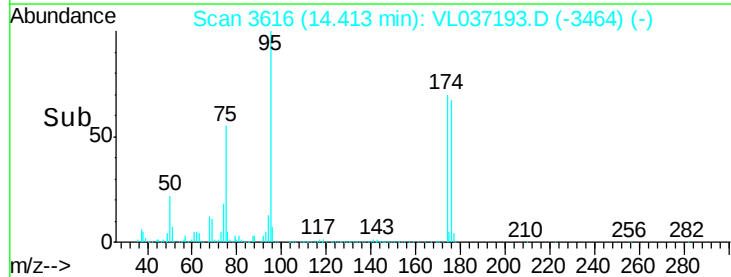
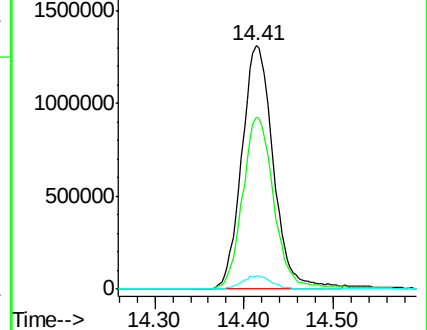
175 5.4 4.4 6.6

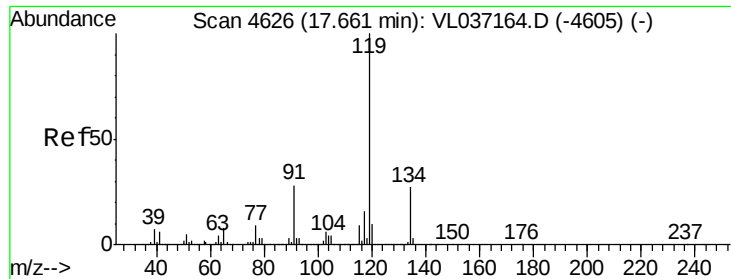


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V





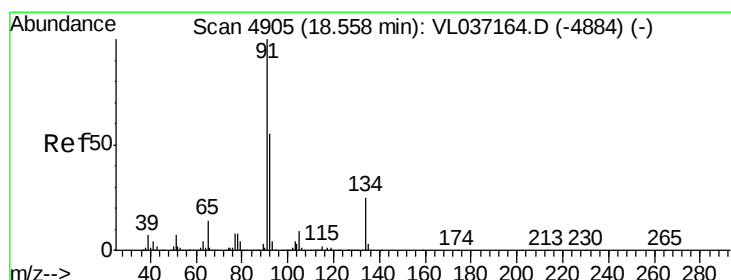
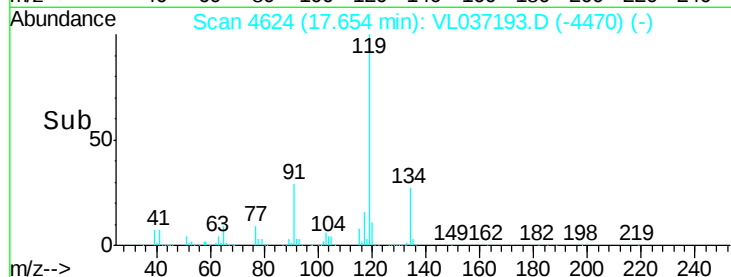
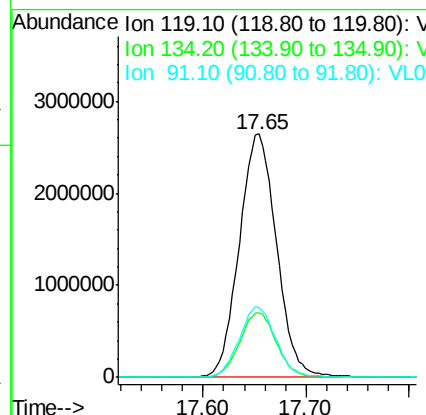
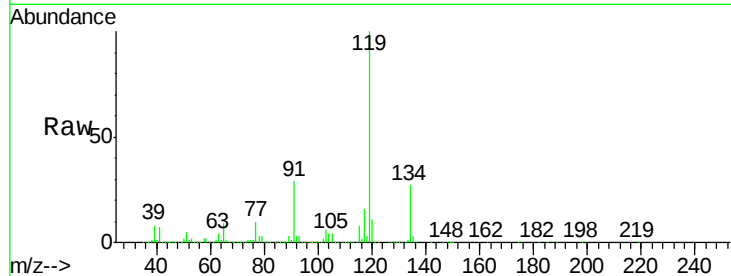
#69
 p-Isopropyltoluene
 Concen: 10.217 ppbv
 RT: 17.65 min Scan# 4624
 Delta R.T. -0.01 min
 Lab File: VL037193.D
 Acq: 17 Jun 2021 7:23

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
119	100		
134	26.3	20.9	31.3
91	28.4	22.6	34.0

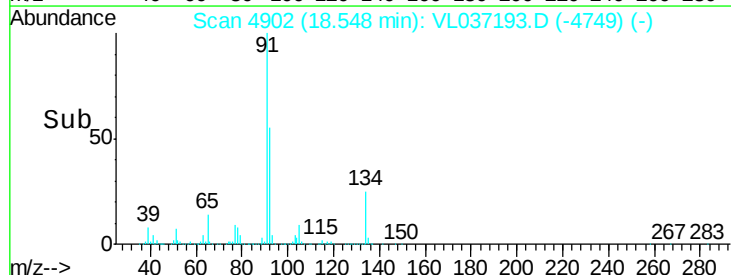
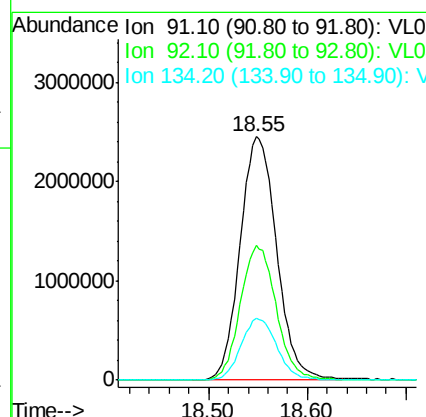
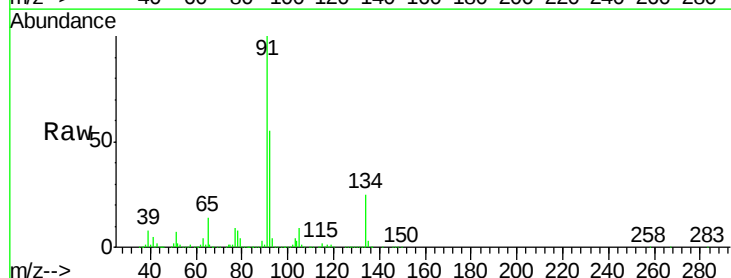
Manual Integrations
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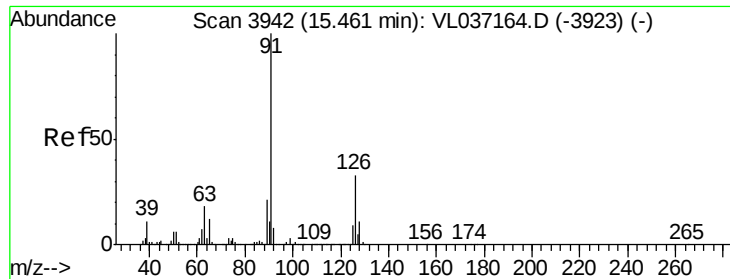
MMDadoda
 6/17/2021 5:38:56 PM



#70
 n-Butylbenzene
 Concen: 10.493 ppbv
 RT: 18.55 min Scan# 4902
 Delta R.T. -0.01 min
 Lab File: VL037193.D
 Acq: 17 Jun 2021 7:23

Tgt Ion	Ratio	Lower	Upper
91	100		
92	54.8	44.0	66.0
134	25.1	20.2	30.4





#71

2-Chlorotoluene

Concen: 10.108 ppbv

RT: 15.45 min Scan# 3939

Delta R.T. -0.01 min

Lab File: VL037193.D

Acq: 17 Jun 2021 7:23

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 91 Resp: 4590100

Ion Ratio Lower Upper

91 100

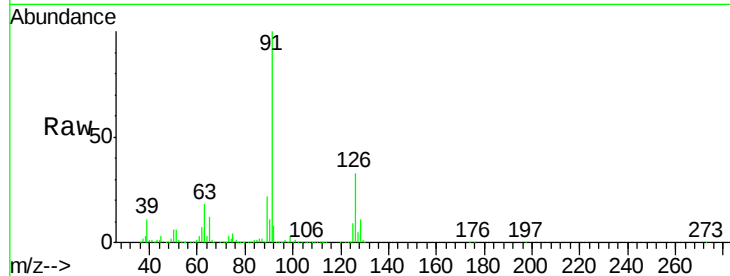
126 34.0 13.5 54.1

Manual Integrations

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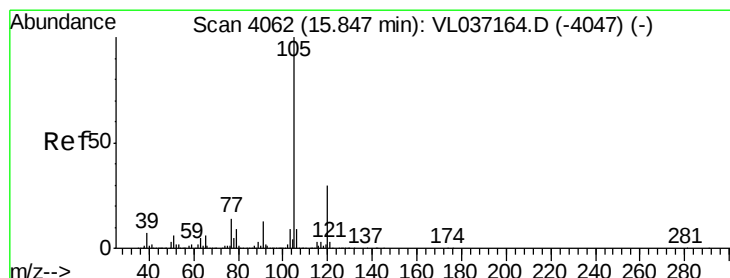
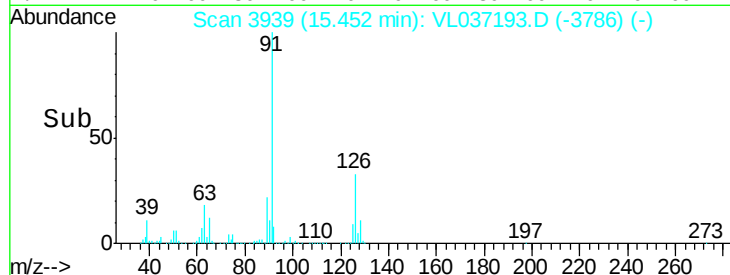
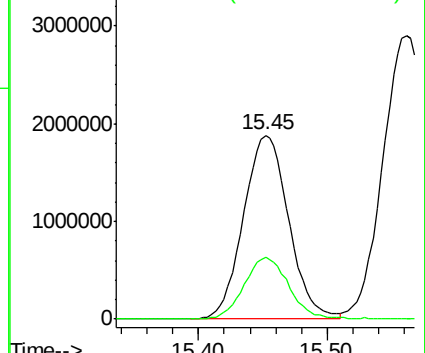
MMDadoda

6/17/2021 5:38:56 PM



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V



#72

4-Ethyltoluene

Concen: 10.566 ppbv

RT: 15.84 min Scan# 4059

Delta R.T. -0.01 min

Lab File: VL037193.D

Acq: 17 Jun 2021 7:23

Tgt Ion:105 Resp: 5482571

Ion Ratio Lower Upper

105 100

120 30.8 24.7 37.1

91 13.0 10.2 15.4

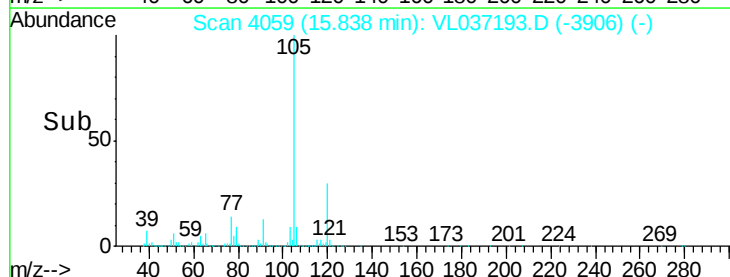
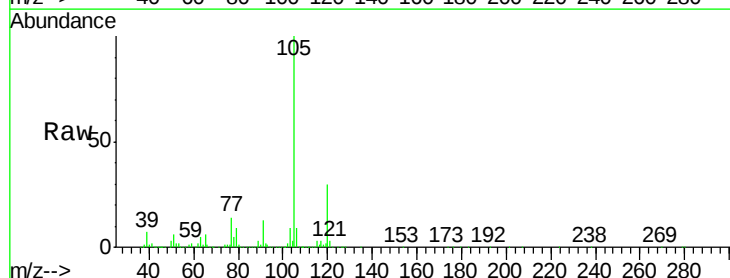
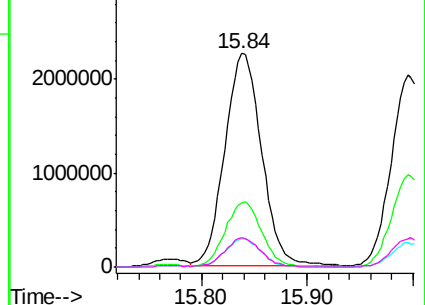
77 13.4 11.0 16.6

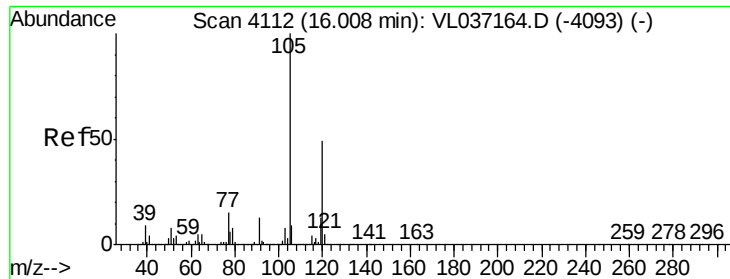
Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0





#73

1,3,5-Trimethylbenzene

Concen: 9.820 ppbv

RT: 16.00 min Scan# 4108

Delta R.T. -0.01 min

Lab File: VL037193.D

Acq: 17 Jun 2021 7:23

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:105 Resp: 4925297

Ion Ratio Lower Upper

105 100

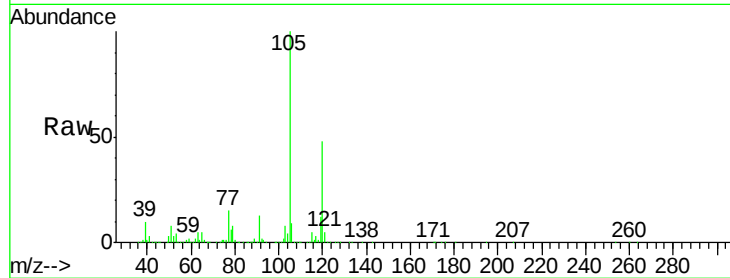
120 48.5 39.4 59.2

Manual Integrations

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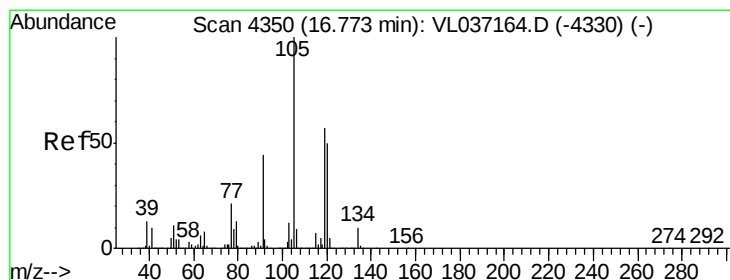
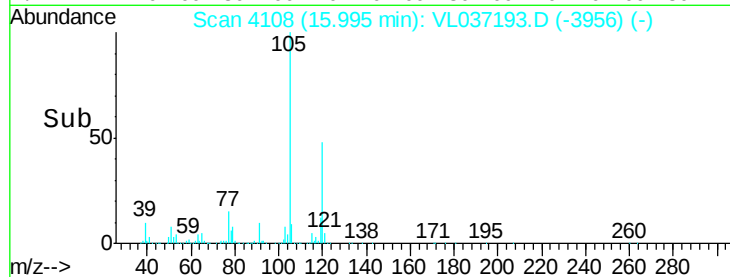
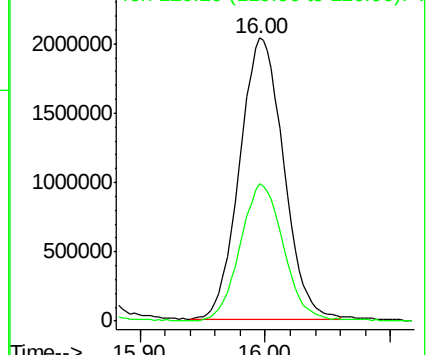
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6/17/2021 5:38:56 PM



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V



#74

1,2,4-Trimethylbenzene

Concen: 10.099 ppbv

RT: 16.77 min Scan# 4348

Delta R.T. -0.01 min

Lab File: VL037193.D

Acq: 17 Jun 2021 7:23

Tgt Ion:105 Resp: 5219224

Ion Ratio Lower Upper

105 100

120 48.5 39.8 59.8

91 39.3 37.0 55.4

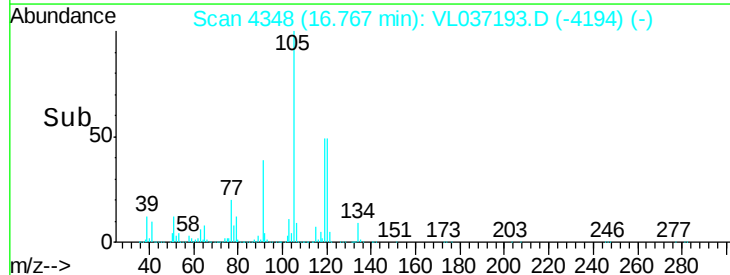
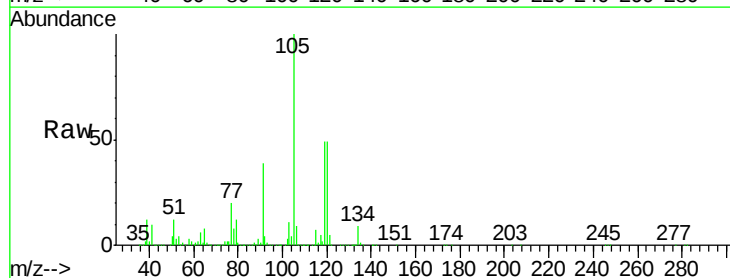
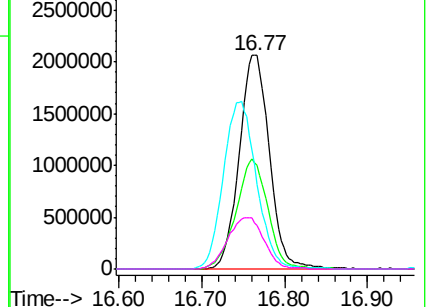
77 20.1 17.0 25.4

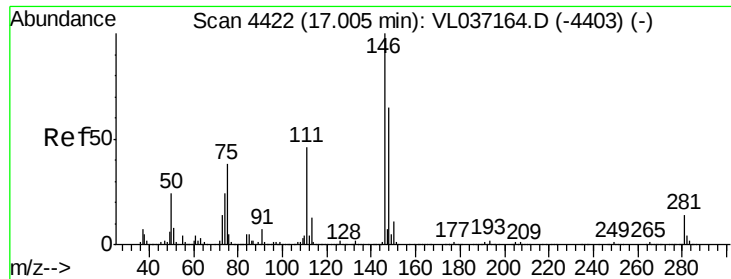
Abundance Ion 105.10 (104.80 to 105.80): V

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





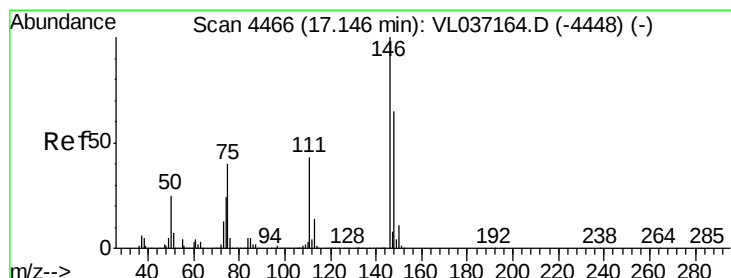
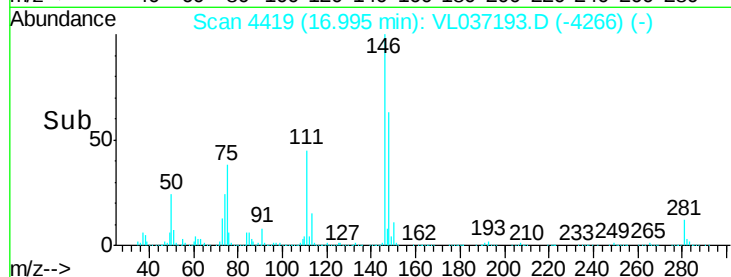
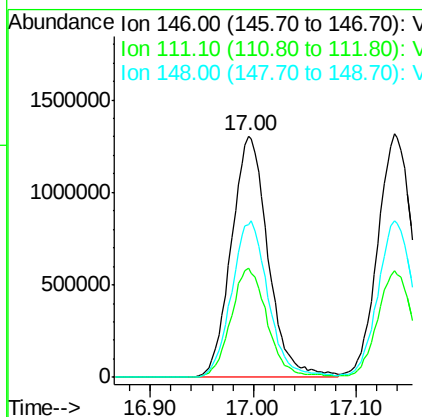
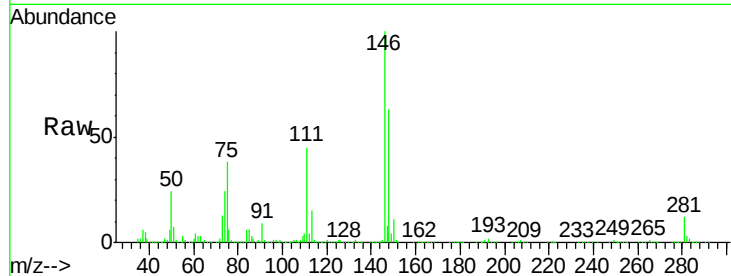
#75
 1,3-Dichlorobenzene
 Concen: 10.294 ppbv
 RT: 17.00 min Scan# 4419
 Delta R.T. -0.01 min
 Lab File: VL037193.D
 Acq: 17 Jun 2021 7:23

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion:146 Resp: 3234744
 Ion Ratio Lower Upper
 146 100
 111 44.9 22.2 66.6
 148 64.7 32.4 97.2

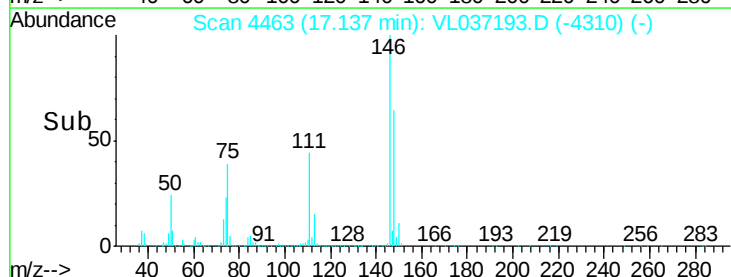
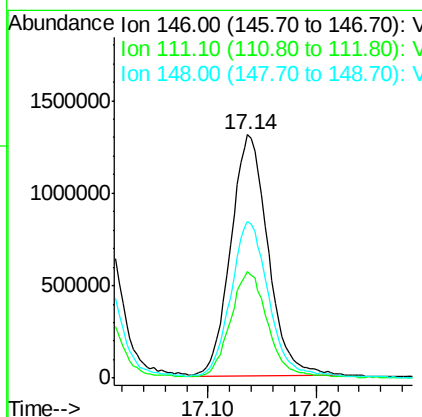
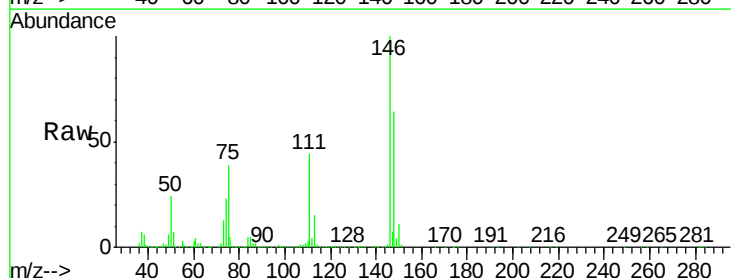
Manual Integrations
 APPROVED

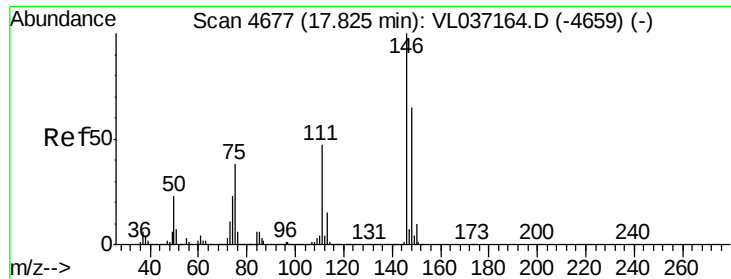
MMDadoda
 6/17/2021 5:38:56 PM



#76
 1,4-Dichlorobenzene
 Concen: 9.975 ppbv
 RT: 17.14 min Scan# 4463
 Delta R.T. -0.01 min
 Lab File: VL037193.D
 Acq: 17 Jun 2021 7:23

Tgt Ion:146 Resp: 3130592
 Ion Ratio Lower Upper
 146 100
 111 44.7 22.7 68.0
 148 66.6 33.7 101.1





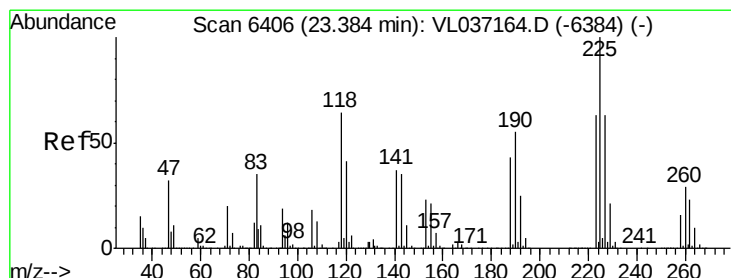
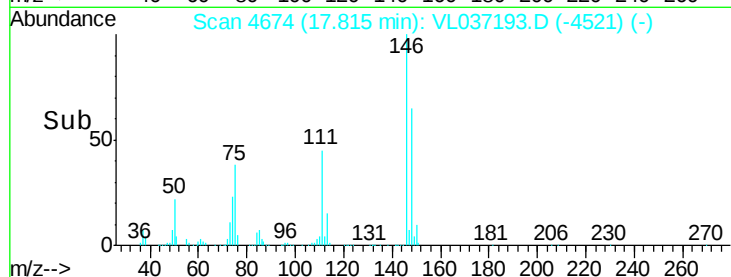
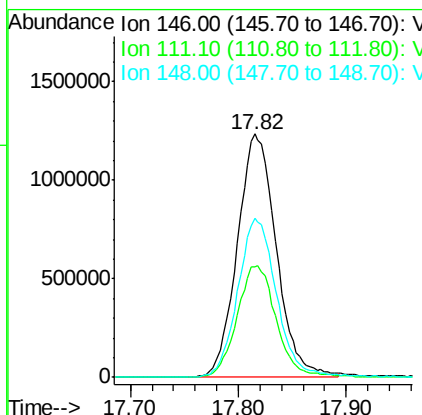
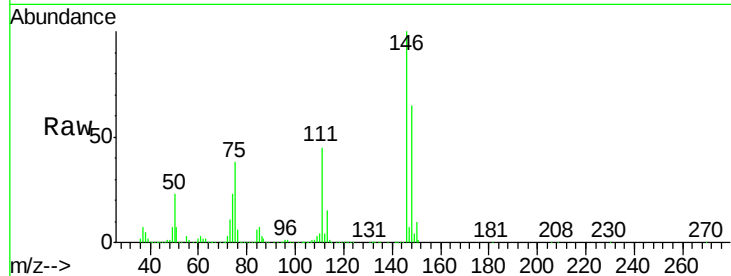
#77
 1,2-Dichlorobenzene
 Concen: 10.178 ppbv
 RT: 17.82 min Scan# 4674
 Delta R.T. -0.01 min
 Lab File: VL037193.D
 Acq: 17 Jun 2021 7:23

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion:146 Resp: 3093773
 Ion Ratio Lower Upper
 146 100
 111 46.3 23.3 69.8
 148 65.2 32.4 97.0

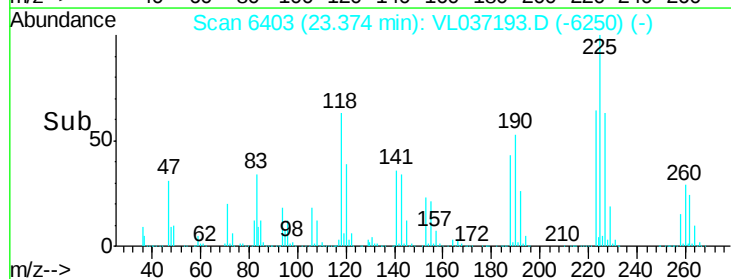
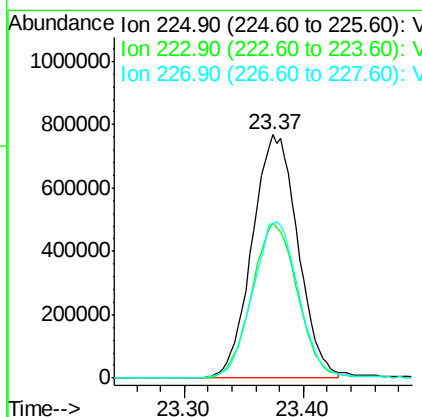
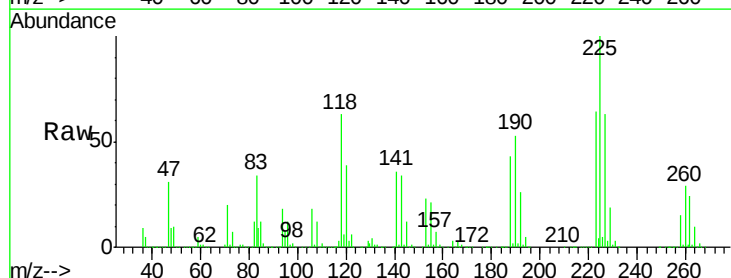
Manual Integrations
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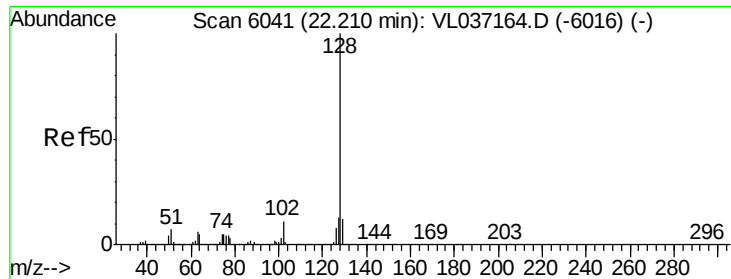
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#78
 Hexachloro-1,3-Butadiene
 Concen: 7.798 ppbv
 RT: 23.37 min Scan# 6403
 Delta R.T. -0.01 min
 Lab File: VL037193.D
 Acq: 17 Jun 2021 7:23

Tgt Ion:225 Resp: 2038127
 Ion Ratio Lower Upper
 225 100
 223 64.2 51.8 77.8
 227 65.2 51.4 77.0





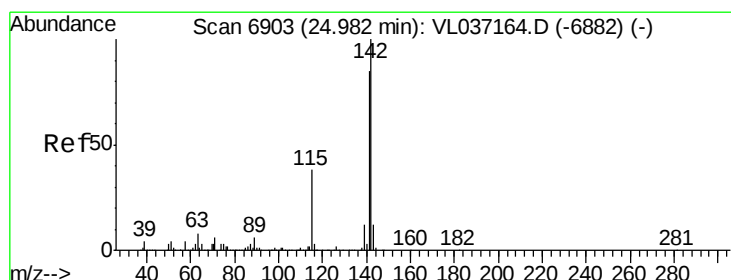
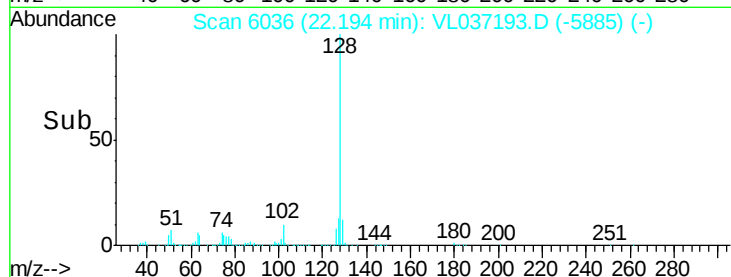
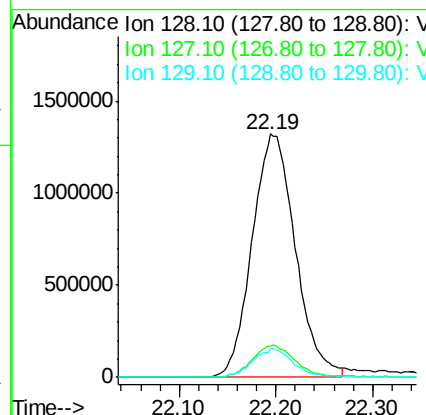
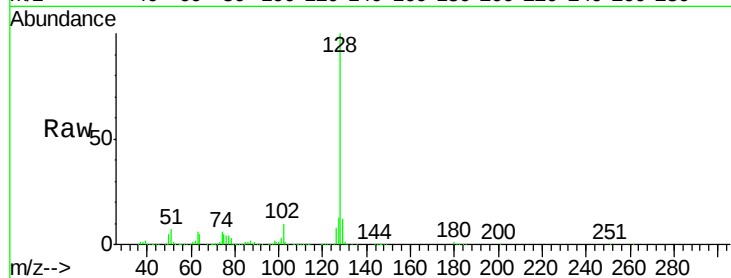
#79
Naphthalene
Concen: 9.511 ppbv
RT: 22.19 min Scan# 6036
Delta R.T. -0.02 min
Lab File: VL037193.D
Acq: 17 Jun 2021 7:23

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.7	16.1
129	11.7	9.3	13.9

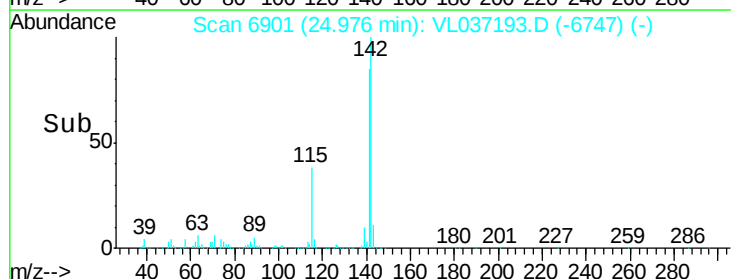
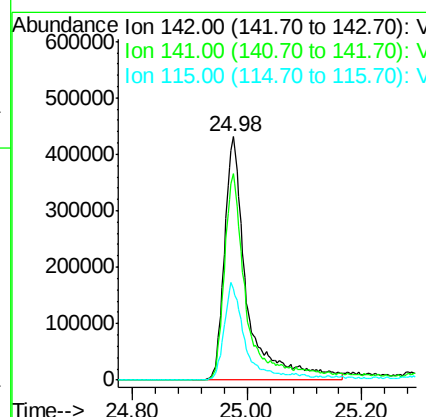
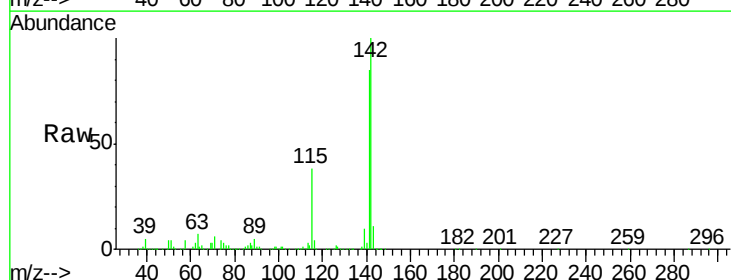
Manual Integrations
APPROVED

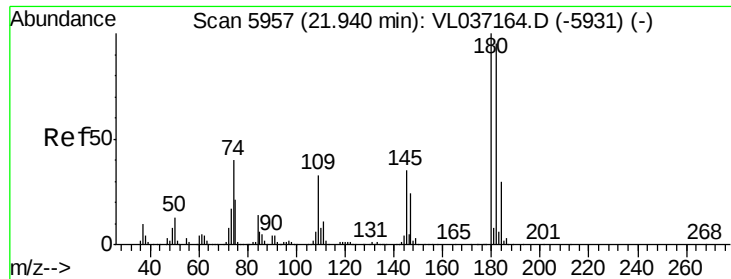
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#80
Naphthalene, 2-methyl-
Concen: 10.474 ppbv
RT: 24.98 min Scan# 6901
Delta R.T. -0.01 min
Lab File: VL037193.D
Acq: 17 Jun 2021 7:23

Tgt Ion	Ratio	Lower	Upper
142	100		
141	84.2	63.7	95.5
115	36.0	30.6	45.8





#81
 1,2,4-Trichlorobenzene
 Concen: 9.138 ppbv
 RT: 21.93 min Scan# 5953
 Delta R.T. -0.01 min
 Lab File: VL037193.D
 Acq: 17 Jun 2021 7:23

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.8	79.3	118.9
184	31.7	24.7	37.1

Manual Integrations
 APPROVED

MMDadoda
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