

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL061421\
 Data File : VL037151.D
 Acq On : 14 Jun 2021 16:11
 Operator : SY/AP
 Sample : VSTDIC015
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

Manual Integrations
 APPROVED

MMDadoda
 6/15/2021 5:17:13 PM

Quant Time: Jun 14 16:43:37 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL061421AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Jun 14 16:43:37 2021
 QLast Update : Mon Jun 14 16:38:23 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.68	49	1622631	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.20	114	4829389	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.10	117	4717207m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.44	95	3559282	10.04	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.40%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	3.05	85	2808753	10.204	ppbv 97
3) Chlorodifluoromethane	3.00	51	4031781	13.563	ppbv 99
4) Chloromethane	3.15	50	1445199	14.287	ppbv 99
5) Vinyl Chloride	3.26	62	1543580	13.960	ppbv 98
6) Bromomethane	3.48	94	912888	15.668	ppbv 99
7) Chloroethane	3.56	64	561917	15.651	ppbv 96
8) Dichlorotetrafluoroethane	3.20	85	3511085	13.585	ppbv 100
9) Propene	3.02	41	1325055	12.448	ppbv 100
10) Heptane	8.14	43	3424933	12.911	ppbv 99
11) Trichlorofluoromethane	3.96	101	4035184	15.837	ppbv 99
12) 1,1,2-Trichlorotrifluoroet	4.50	101	2843040	15.665	ppbv 98
13) Ethanol	3.63	45	169073m	11.904	ppbv
14) Bromoethene	3.75	108	1252259	15.665	ppbv 100
15) Acetone	3.86	43	2107199	12.679	ppbv 98
16) 1,3-Butadiene	3.33	39	1517289	14.694	ppbv 98
17) tert-Butyl alcohol	4.30	59	2415305	15.865	ppbv 100
18) 1,1-Dichloroethene	4.30	96	1291379	15.388	ppbv 96
19) Isopropyl Alcohol	3.98	45	1494832	16.732	ppbv # 98
20) Methylene Chloride	4.35	84	997256	11.194	ppbv 95
21) Allyl Chloride	4.42	41	1896334	15.125	ppbv 98
22) trans-1,2-Dichloroethene	4.90	96	1289745	16.036	ppbv 98
23) Vinyl Acetate	5.09	43	3816915	14.469	ppbv 99
24) 1,1-Dichloroethane	5.02	63	2842902	14.972	ppbv 99
25) Ethyl Acetate	5.69	43	5305742	13.285	ppbv 99
26) Hexane	5.70	57	2524267	12.372	ppbv 99
27) Carbon Disulfide	4.56	76	3061404	14.888	ppbv 100
28) Methyl tert-Butyl Ether	5.05	73	3247675	13.280	ppbv 99
29) Chloroform	5.77	83	4260972	14.783	ppbv 100
30) Cyclohexane	7.15	84	2305021	13.295	ppbv 99
31) cis-1,2-Dichloroethene	5.56	61	2626892	14.361	ppbv 98
32) 1,1,1-Trichloroethane	6.53	97	4396638	14.205	ppbv 100
34) 2-Butanone	5.26	43	2562096	14.570	ppbv 99
35) Carbon Tetrachloride	7.03	117	4742273	14.779	ppbv 99
36) Benzene	6.91	78	5330020	12.813	ppbv 99
37) 1,2-Dichloroethane	6.32	62	3191727	15.476	ppbv 100
38) Trichloroethene	7.85	130	2360307	13.264	ppbv 97
39) 1,2-Dichloropropane	7.63	63	2085585	13.015	ppbv 98
40) 1,4-Dioxane	7.85	88	559895	14.798	ppbv 97
41) Tetrahydrofuran	6.07	42	1289744	12.878	ppbv 99
42) Bromodichloromethane	7.81	83	4669611	14.966	ppbv 100
43) Methyl Methacrylate	8.03	69	2034514	14.190	ppbv 99

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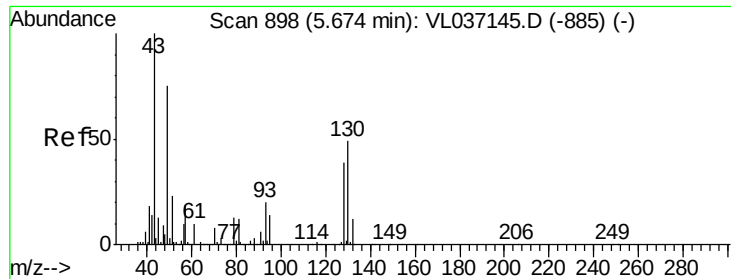
Manual Integrations
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Quant Time: Jun 14 16:43:37 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL061421AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Jun 14 16:43:37 2021
 QLast Update : Mon Jun 14 16:38:23 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.89	57	8496076	11.905	ppbv	98
45) t-1,3-Dichloropropene	9.30	75	2116544	19.323	ppbv	98
46) cis-1,3-Dichloropropene	8.72	75	2591747	17.591	ppbv	97
47) 1,1,2-Trichloroethane	9.50	97	2337416	13.937	ppbv	99
48) Dibromochloromethane	10.32	129	4271531	15.729	ppbv	99
49) Bromoform	13.06	173	3581848	15.971	ppbv	100
50) 4-Methyl-2-Pentanone	8.76	43	3932491	13.552	ppbv	99
51) 2-Hexanone	10.15	43	2161574	14.091	ppbv #	97
52) Tetrachloroethene	11.24	164	2274095	13.748	ppbv	97
53) Toluene	9.83	91	6434738	13.000	ppbv	99
54) 1,2-Dibromoethane	10.63	107	3542605	14.857	ppbv	100
56) 1,1,1,2-Tetrachloroethane	12.15	131	2862991	14.424	ppbv	98
57) Chlorobenzene	12.17	112	4939338	13.504	ppbv	99
58) Ethyl Benzene	12.73	91	8468115	12.719	ppbv	98
59) m/p-Xylene	13.02	91	14211722m	25.824	ppbv	
60) o-Xylene	13.72	91	6863086	13.076	ppbv	99
61) Styrene	13.55	104	4156925	14.058	ppbv	100
62) Isopropylbenzene	14.69	105	9432061	12.504	ppbv	98
63) 1,1,2,2-Tetrachloroethane	13.70	83	4714718	12.027	ppbv	100
64) n-propylbenzene	15.58	120	2684594	13.794	ppbv	92
65) tert-Butylbenzene	16.76	119	8639834	12.693	ppbv	99
66) Benzyl Chloride	17.00	91	514609	13.626	ppbv	98
67) sec-Butylbenzene	17.32	105	11263477	12.130	ppbv	98
69) p-Isopropyltoluene	17.67	119	9898625	12.398	ppbv	98
70) n-Butylbenzene	18.57	91	9461189	12.475	ppbv	98
71) 2-Chlorotoluene	15.47	91	7062406	12.963	ppbv	98
72) 4-Ethyltoluene	15.86	105	8259892	13.259	ppbv	99
73) 1,3,5-Trimethylbenzene	16.02	105	7619999	13.026	ppbv	100
74) 1,2,4-Trimethylbenzene	16.79	105	7800871	12.897	ppbv	99
75) 1,3-Dichlorobenzene	17.02	146	5013580	13.574	ppbv	99
76) 1,4-Dichlorobenzene	17.16	146	4875041	13.054	ppbv	97
77) 1,2-Dichlorobenzene	17.84	146	4821043	13.026	ppbv	99
78) Hexachloro-1,3-Butadiene	23.40	225	3061088	10.286	ppbv	100
79) Naphthalene	22.22	128	6406833	13.499	ppbv	99
80) Naphthalene, 2-methyl-	24.99	142	1949150	18.887	ppbv	95
81) 1,2,4-Trichlorobenzene	21.95	180	3643912	12.595	ppbv	100

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



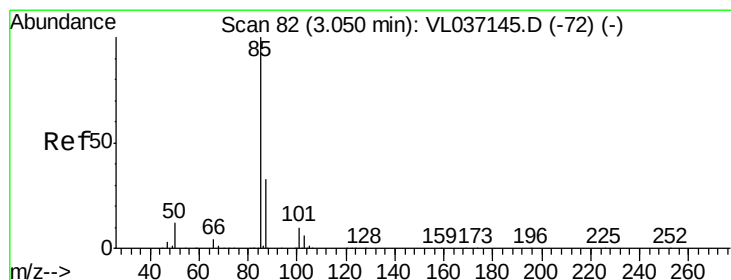
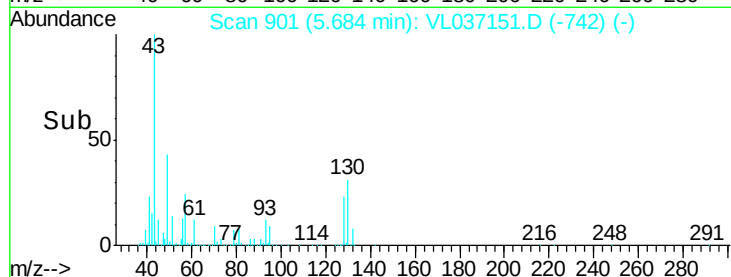
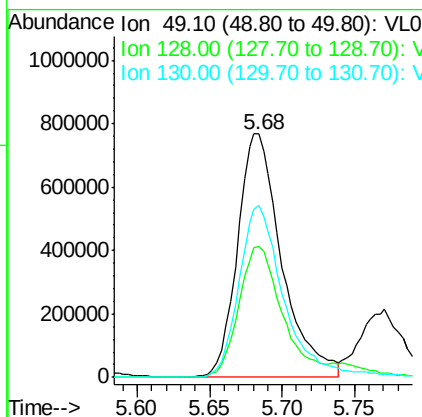
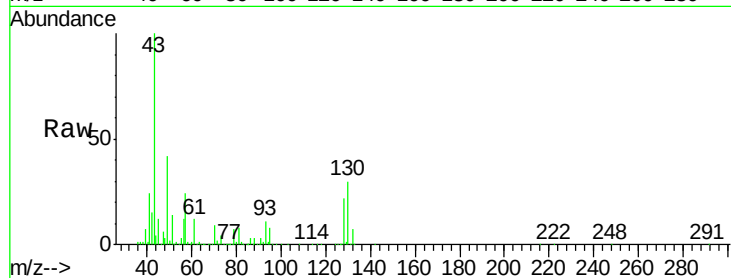
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.68 min Scan# 901
Delta R.T. 0.01 min
Lab File: VL037151.D
Acq: 14 Jun 2021 16:11

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tot Ion: 49 Resp: 1622631
Ion Ratio Lower Upper
49 100
128 59.4 28.8 86.5
130 73.0 36.0 108.0

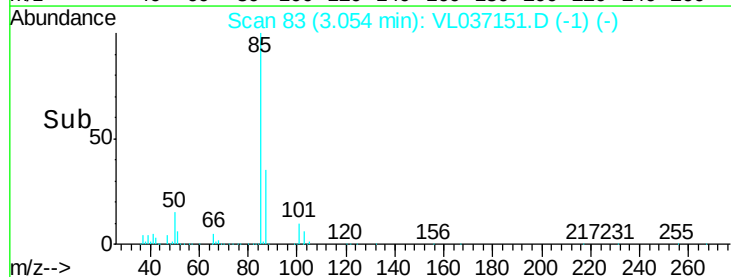
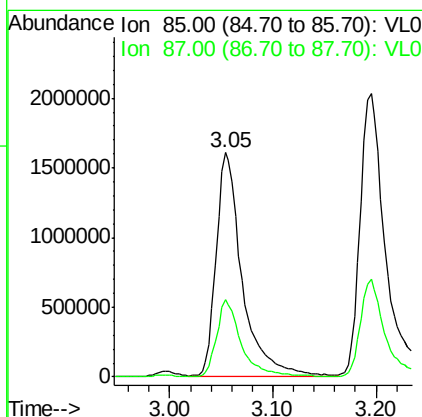
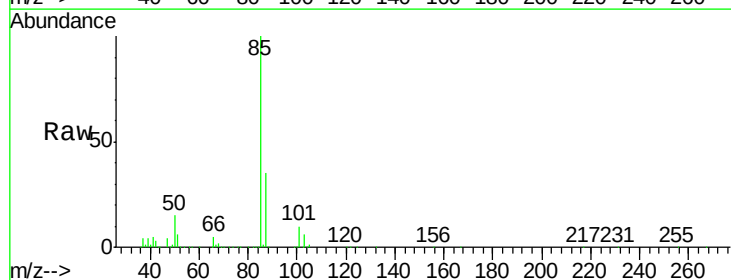
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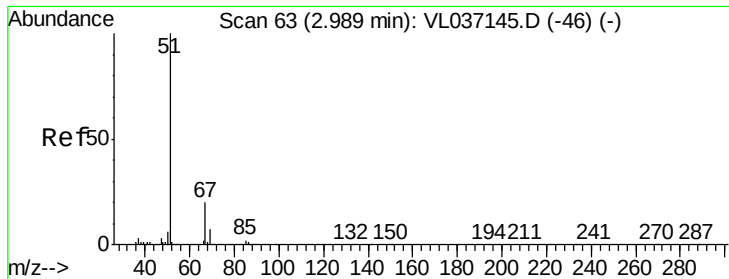
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#2
Dichlorodifluoromethane
Concen: 10.204 ppbv
RT: 3.05 min Scan# 83
Delta R.T. 0.00 min
Lab File: VL037151.D
Acq: 14 Jun 2021 16:11

Tgt Ion: 85 Resp: 2808753
Ion Ratio Lower Upper
85 100
87 34.7 26.4 39.6





#3

Chlorodifluoromethane

Concen: 13.563 ppbv

RT: 3.00 min Scan# 65

Delta R.T. 0.01 min

Lab File: VL037151.D

Acq: 14 Jun 2021 16:11

Tot Ion: 51 Resp: 4031781

Ion Ratio Lower Upper

51 100

67 20.3 15.9 23.9

Instrument :

MSVOA_L

ClientSampleId :

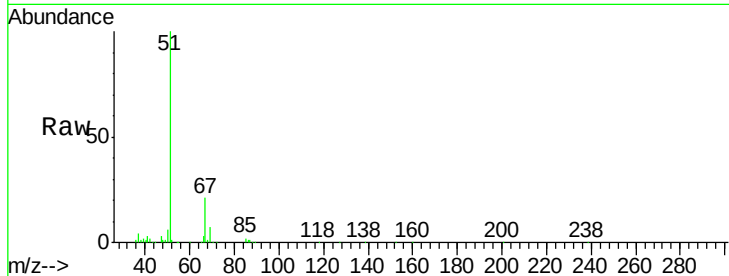
VSTDIC015

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Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0

2500000

2000000

1500000

1000000

500000

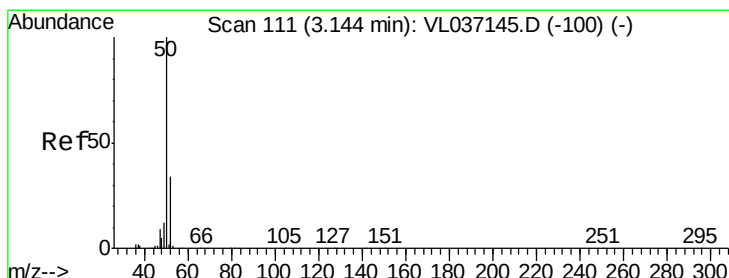
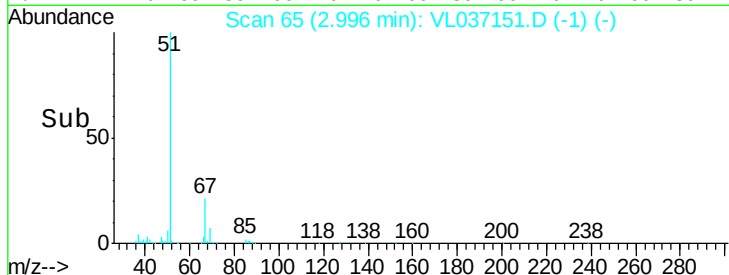
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Time-->

2.90

3.00

3.10



#4

Chloromethane

Concen: 14.287 ppbv

RT: 3.15 min Scan# 112

Delta R.T. 0.00 min

Lab File: VL037151.D

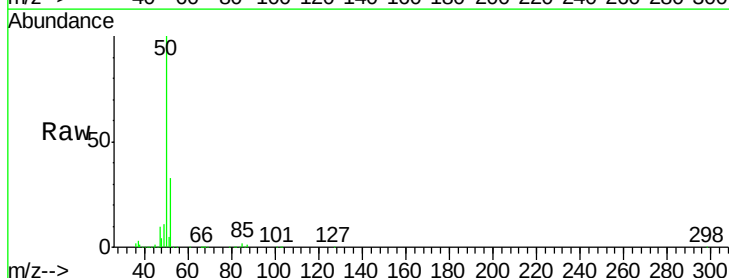
Acq: 14 Jun 2021 16:11

Tgt Ion: 50 Resp: 1445199

Ion Ratio Lower Upper

50 100

52 33.7 27.4 41.2



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0

800000

600000

400000

200000

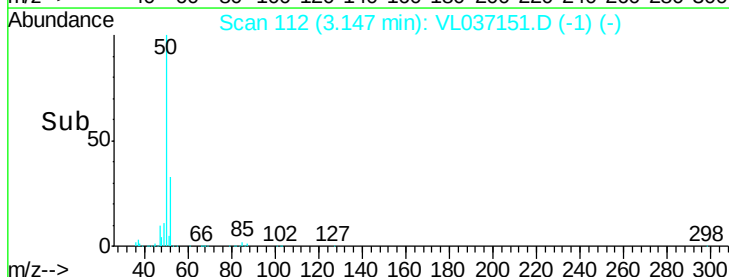
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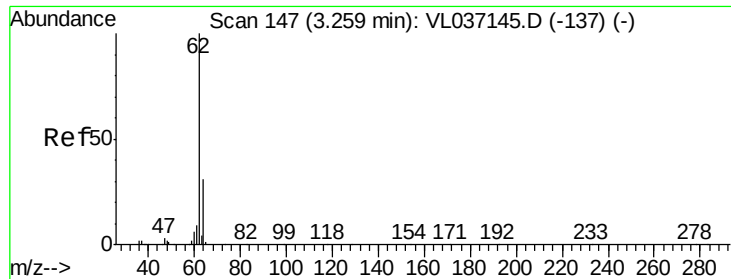
Time-->

3.10

3.15

3.20





#5

Vinyl Chloride

Concen: 13.960 ppbv

RT: 3.26 min Scan# 148

Delta R.T. 0.00 min

Lab File: VL037151.D

Acq: 14 Jun 2021 16:11

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tot Ion: 62 Resp: 1543580

Ion Ratio Lower Upper

62 100

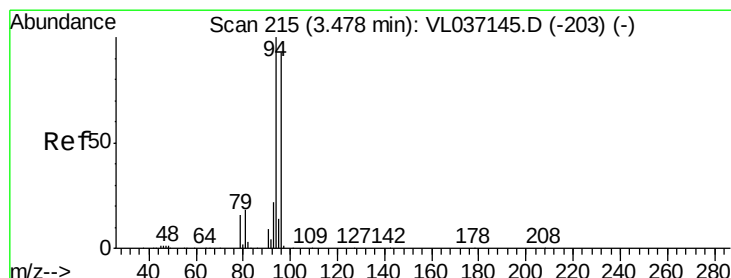
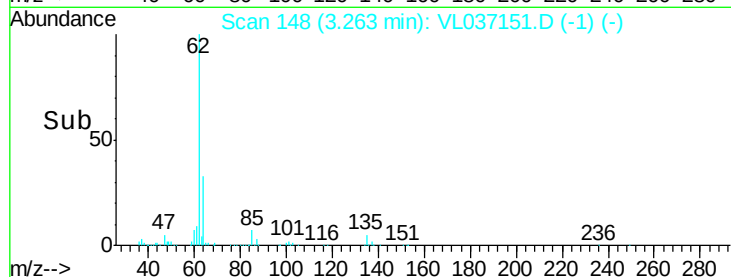
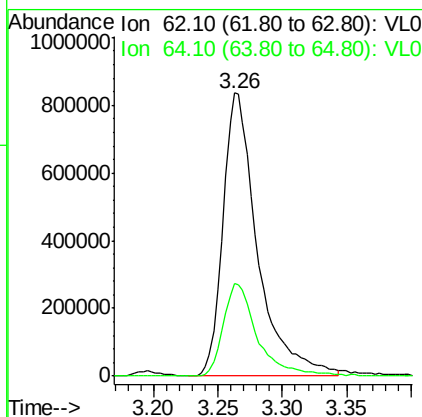
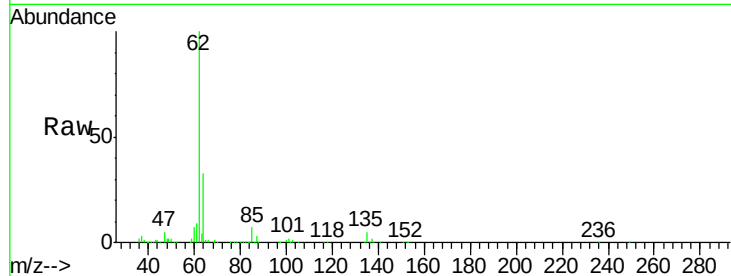
64 32.7 25.2 37.8

Manual Integrations

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#6

Bromomethane

Concen: 15.668 ppbv

RT: 3.48 min Scan# 216

Delta R.T. 0.00 min

Lab File: VL037151.D

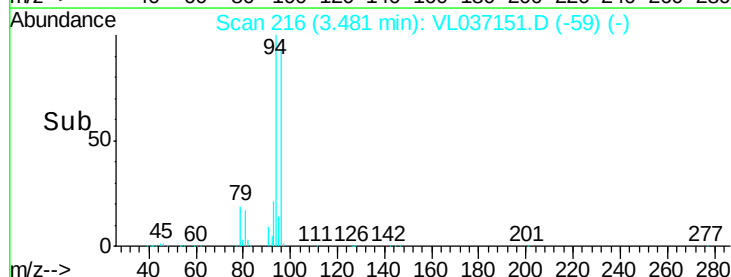
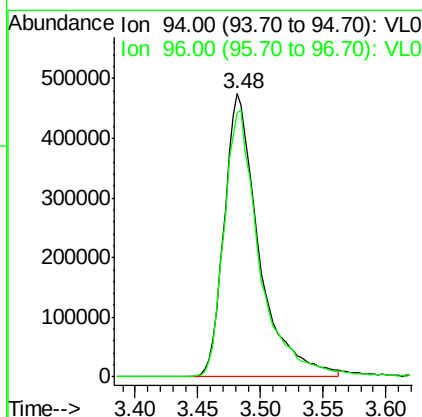
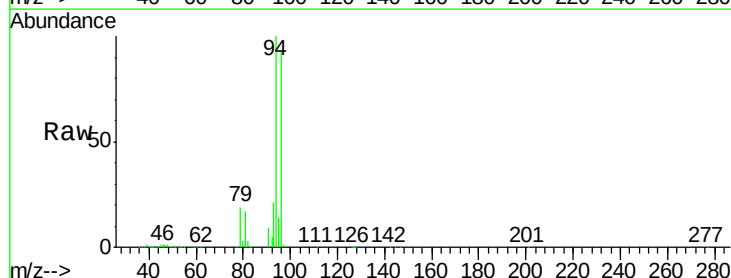
Acq: 14 Jun 2021 16:11

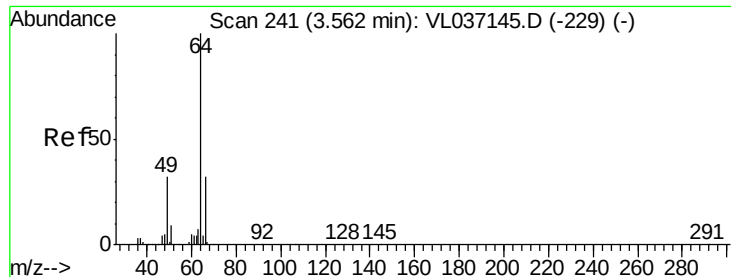
Tgt Ion: 94 Resp: 912888

Ion Ratio Lower Upper

94 100

96 93.4 74.2 111.2





#7

Chloroethane

Concen: 15.651 ppbv

RT: 3.56 min Scan# 242

Delta R.T. 0.00 min

Lab File: VL037151.D

Acq: 14 Jun 2021 16:11

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tot Ion: 64 Resp: 561917

Ion Ratio Lower Upper

64 100

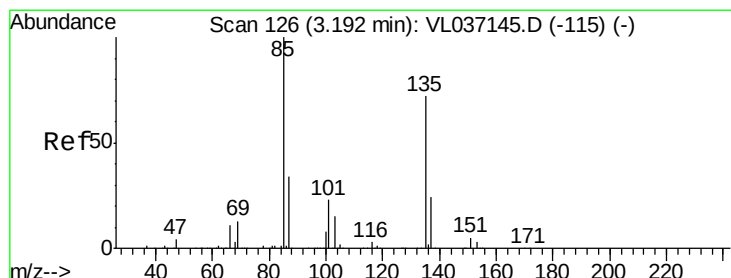
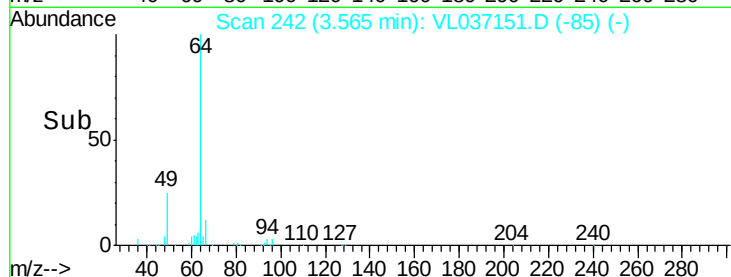
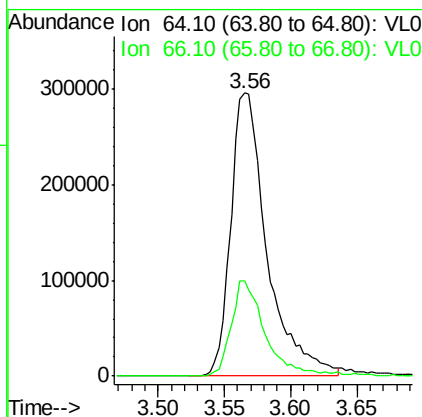
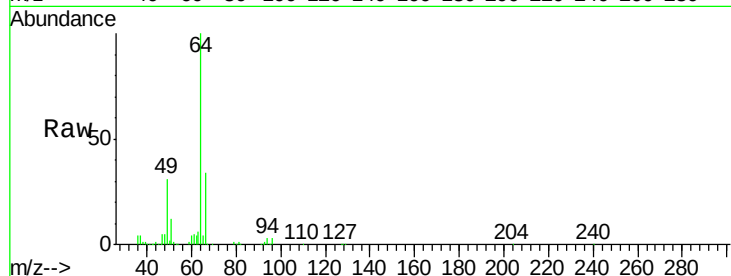
66 33.6 25.3 37.9

Manual Integrations

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#8

Dichlorotetrafluoroethane

Concen: 13.585 ppbv

RT: 3.20 min Scan# 127

Delta R.T. 0.00 min

Lab File: VL037151.D

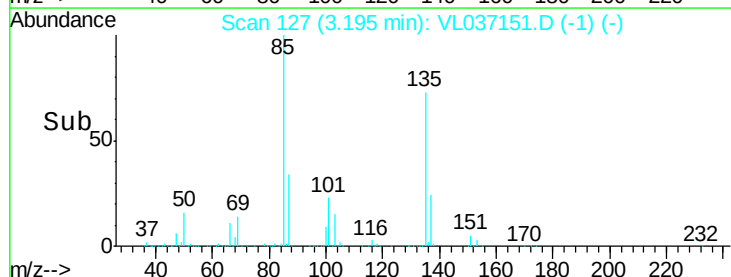
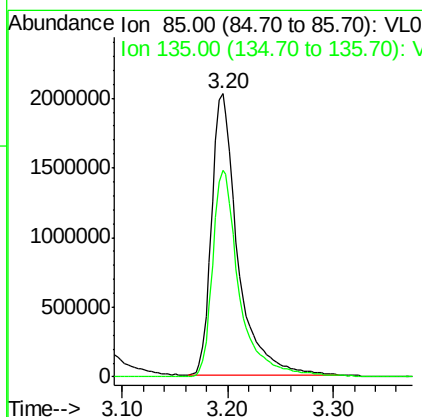
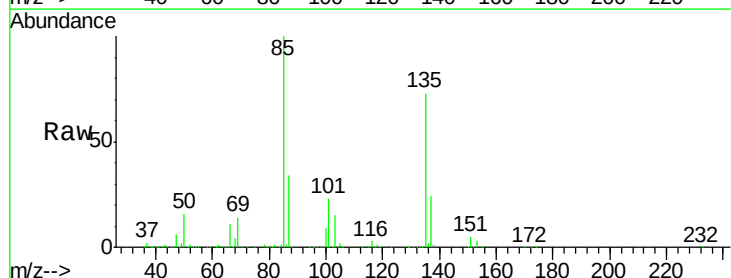
Acq: 14 Jun 2021 16:11

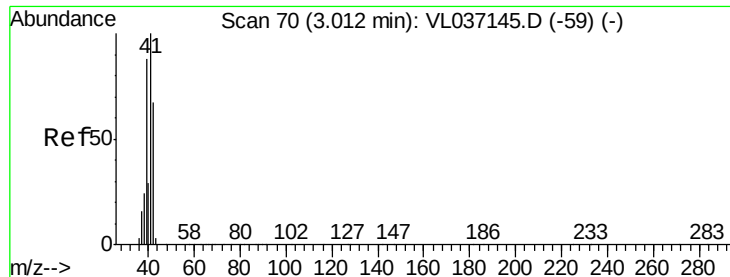
Tgt Ion: 85 Resp: 3511085

Ion Ratio Lower Upper

85 100

135 75.2 60.3 90.5





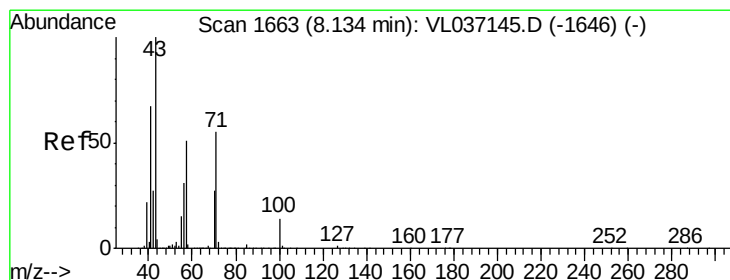
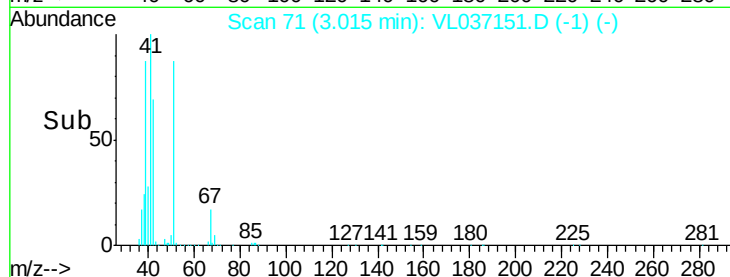
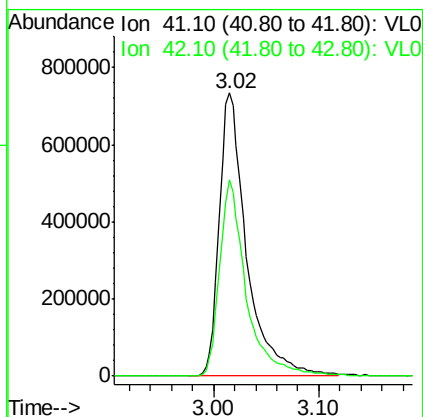
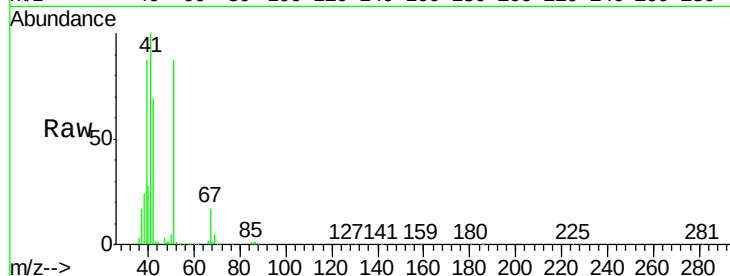
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 Propene
 Concen: 12.448 ppbv
 RT: 3.02 min Scan# 71
 Delta R.T. 0.00 min
 Lab File: VL037151.D
 Acq: 14 Jun 2021 16:11

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

Tot Ion: 41 Resp: 1325055
 Ion Ratio Lower Upper
 41 100
 42 67.5 53.8 80.8

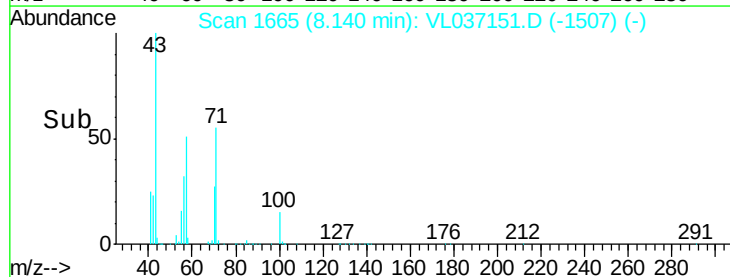
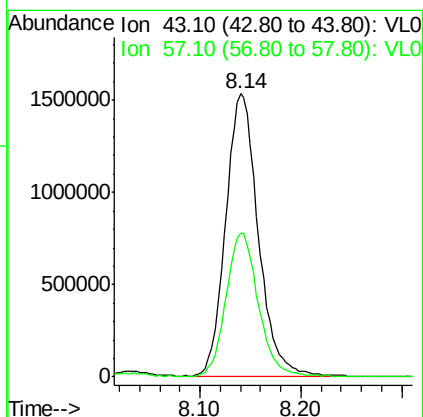
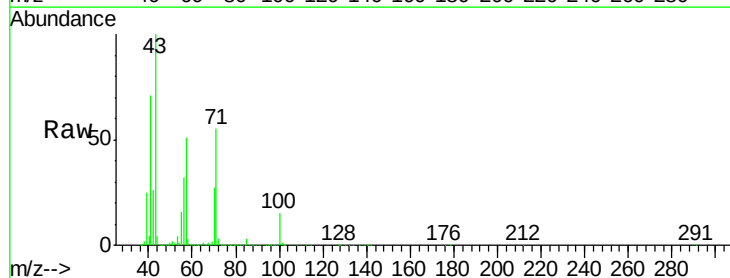
Manual Integrations
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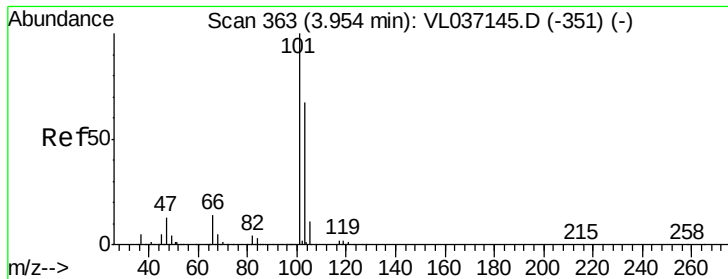
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 6/15/2021 5:17:13 PM



#10
 Heptane
 Concen: 12.911 ppbv
 RT: 8.14 min Scan# 1665
 Delta R.T. 0.01 min
 Lab File: VL037151.D
 Acq: 14 Jun 2021 16:11

Tgt Ion: 43 Resp: 3424933
 Ion Ratio Lower Upper
 43 100
 57 51.1 40.5 60.7





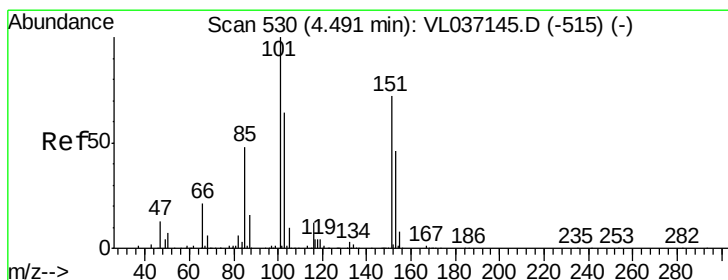
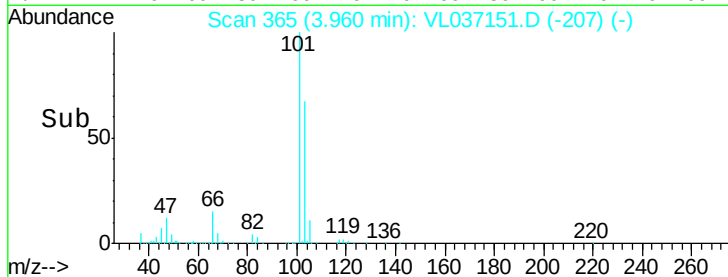
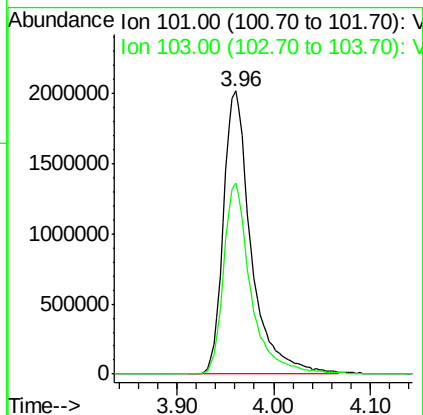
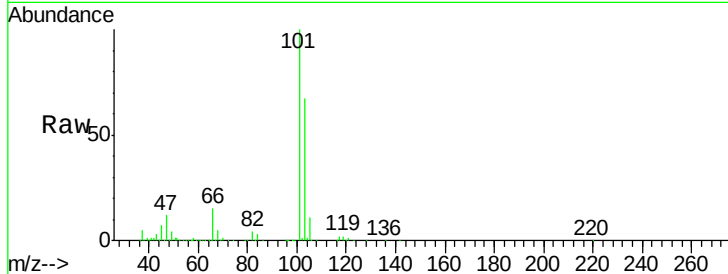
#11
 Trichlorofluoromethane
 Concen: 15.837 ppbv
 RT: 3.96 min Scan# 365
 Delta R.T. 0.01 min
 Lab File: VL037151.D
 Acq: 14 Jun 2021 16:11

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

Tot Ion:101 Resp: 4035184
 Ion Ratio Lower Upper
 101 100
 103 67.4 53.6 80.4

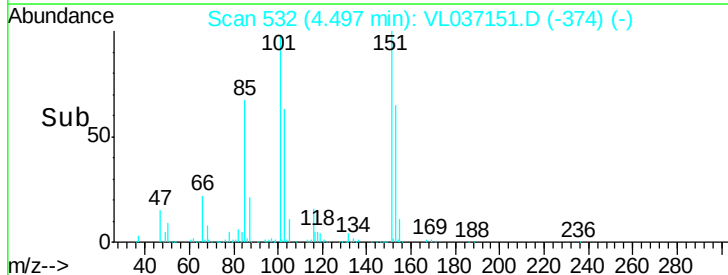
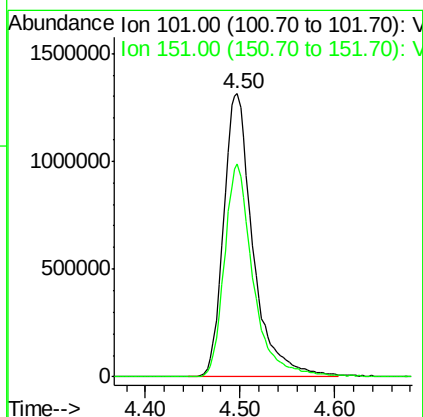
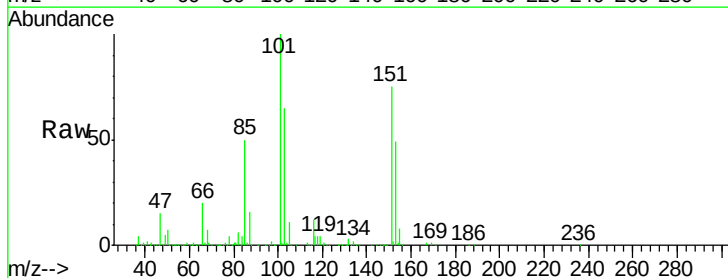
Manual Integrations
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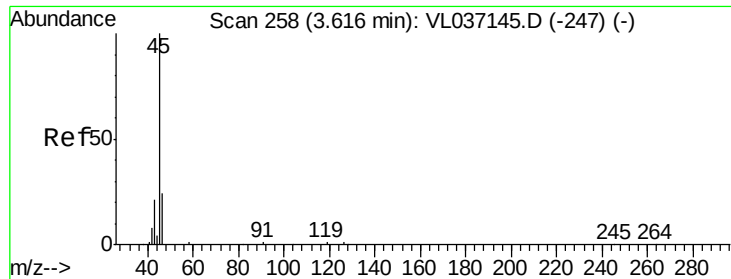
MMDadoda
 6/15/2021 5:17:13 PM



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 15.665 ppbv
 RT: 4.50 min Scan# 532
 Delta R.T. 0.01 min
 Lab File: VL037151.D
 Acq: 14 Jun 2021 16:11

Tgt Ion:101 Resp: 2843040
 Ion Ratio Lower Upper
 101 100
 151 74.1 60.5 90.7





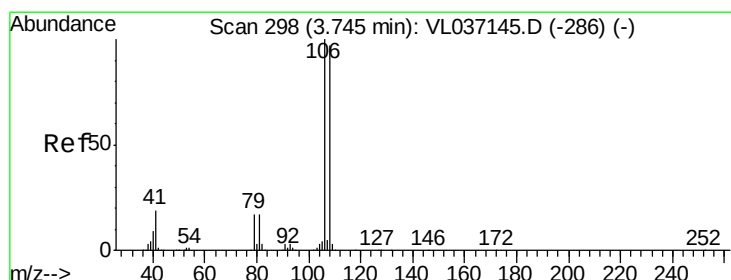
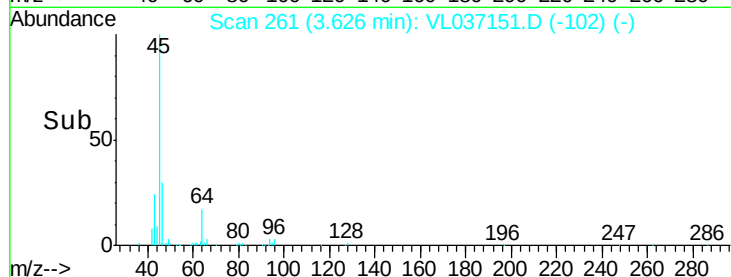
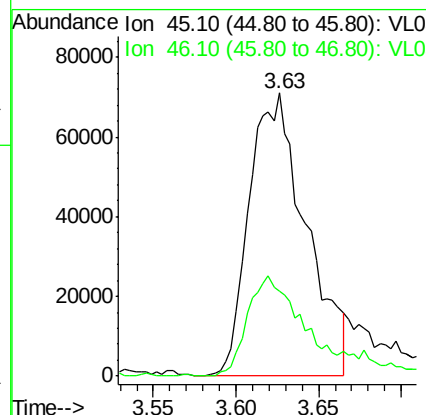
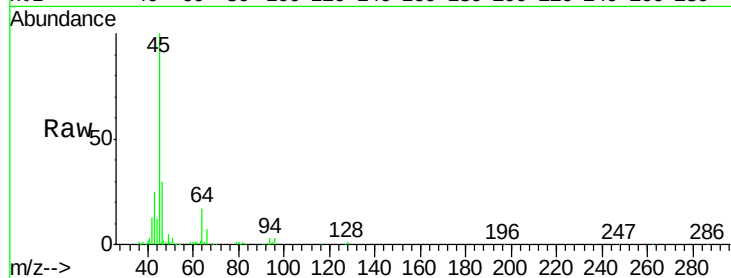
#13
Ethanol
Concen: 11.904 ppbv m
RT: 3.63 min Scan# 261
Delta R.T. 0.01 min
Lab File: VL037151.D
Acq: 14 Jun 2021 16:11

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tot Ion	45	Resp	169073
Ion Ratio	100	Lower	Upper
46	40.4	15.4	61.8

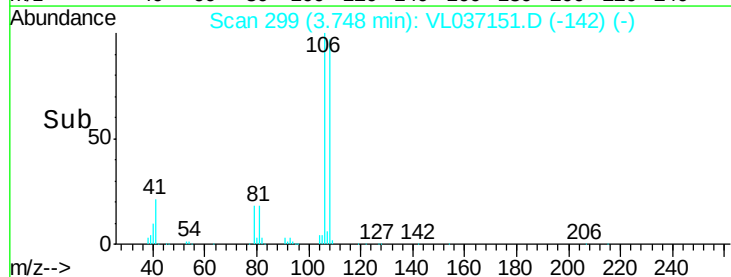
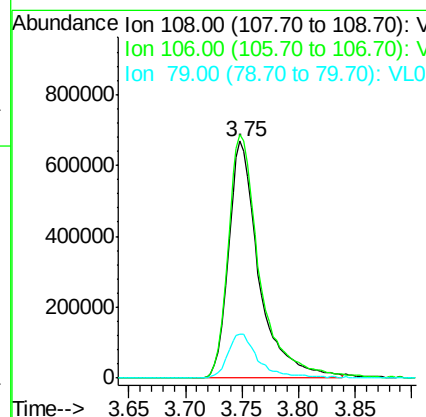
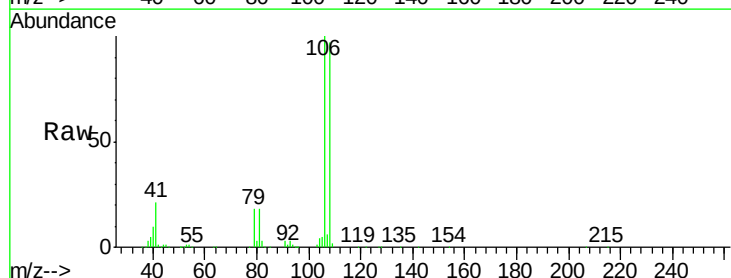
Manual Integrations
APPROVED

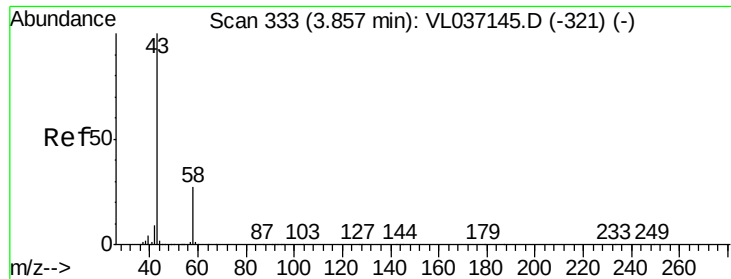
MMDadoda
6/15/2021 5:17:13 PM



#14
Bromoethene
Concen: 15.665 ppbv
RT: 3.75 min Scan# 299
Delta R.T. 0.00 min
Lab File: VL037151.D
Acq: 14 Jun 2021 16:11

Tgt Ion	108	Resp	1252259
Ion Ratio	100	Lower	Upper
106	107.6	86.5	129.7
79	19.2	15.4	23.2





#15

Acetone

Concen: 12.679 ppbv

RT: 3.86 min Scan# 333

Delta R.T. 0.00 min

Lab File: VL037151.D

Acq: 14 Jun 2021 16:11

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tot Ion: 43 Resp: 2107199

Ion Ratio Lower Upper

43 100

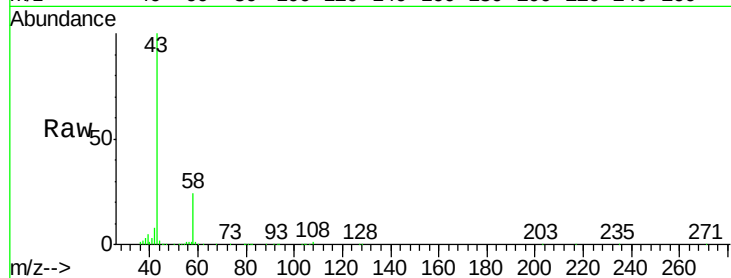
58 27.6 23.0 34.6

Manual Integrations

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Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

1200000

1000000

800000

600000

400000

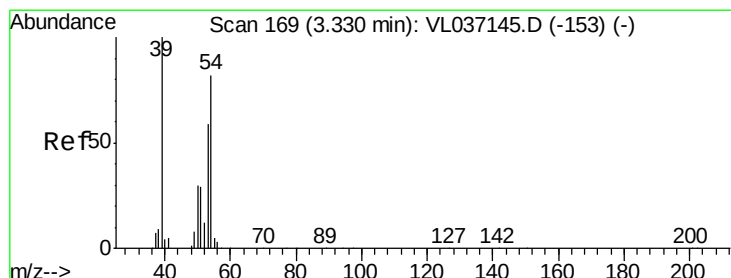
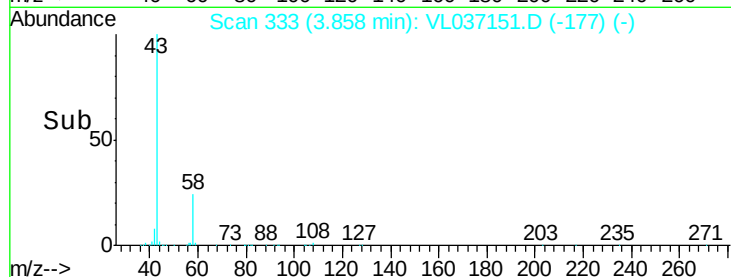
200000

0

3.86

3.85 3.90 3.95

Time-->



#16

1,3-Butadiene

Concen: 14.694 ppbv

RT: 3.33 min Scan# 170

Delta R.T. 0.00 min

Lab File: VL037151.D

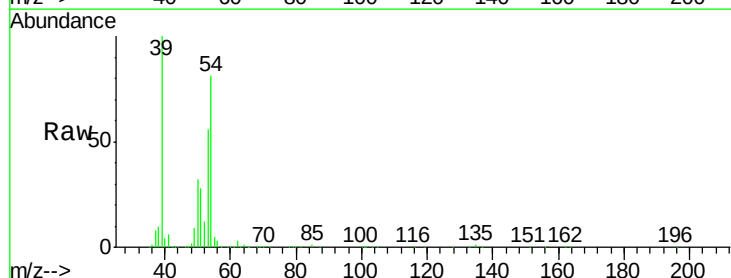
Acq: 14 Jun 2021 16:11

Tgt Ion: 39 Resp: 1517289

Ion Ratio Lower Upper

39 100

54 75.5 61.8 92.6



Abundance Ion 39.10 (38.80 to 39.80): VL0

Ion 54.10 (53.80 to 54.80): VL0

800000

600000

400000

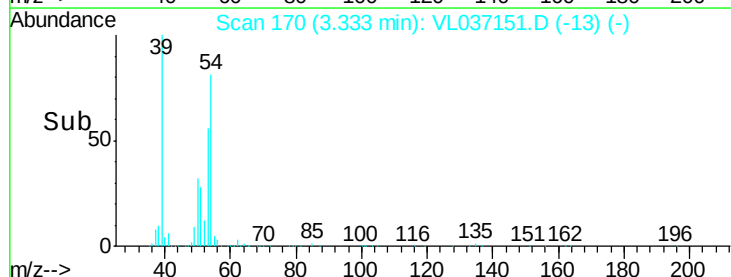
200000

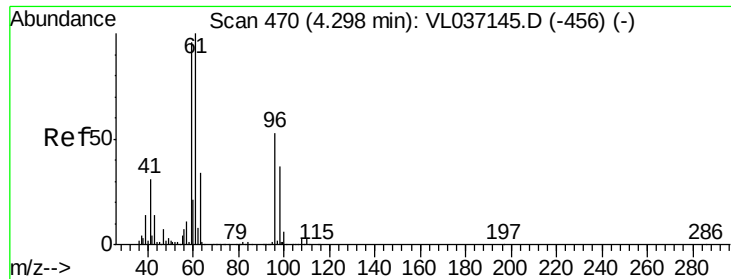
0

3.33

3.30 3.40

Time-->





#17

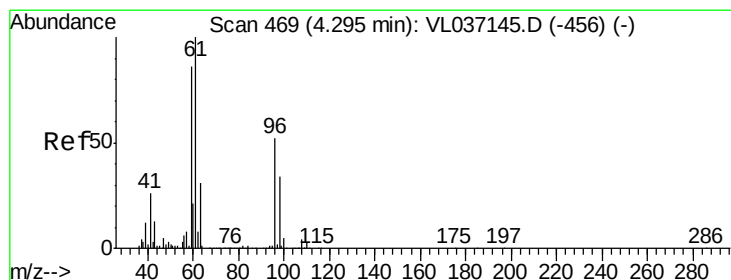
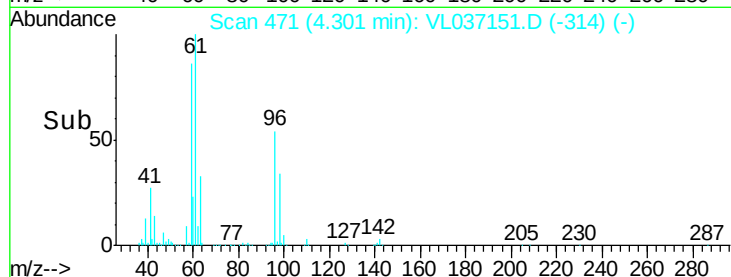
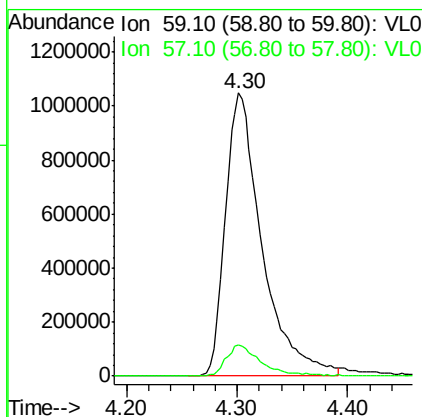
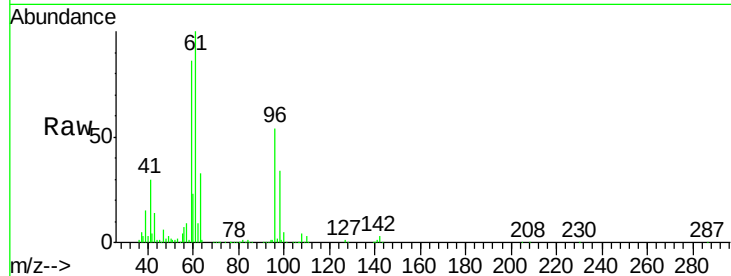
tert-Butyl alcohol
Concen: 15.865 ppbv
RT: 4.30 min Scan# 471
Delta R.T. 0.00 min
Lab File: VL037151.D
Acq: 14 Jun 2021 16:11

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tot Ion: 59 Resp: 2415305
Ion Ratio Lower Upper
59 100
57 11.0 8.8 13.2

Manual Integrations
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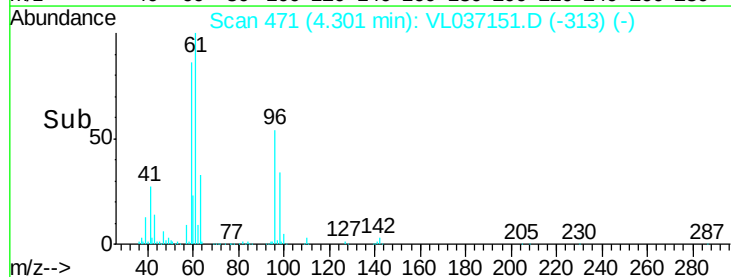
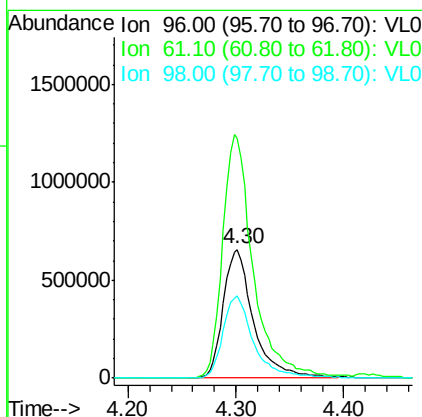
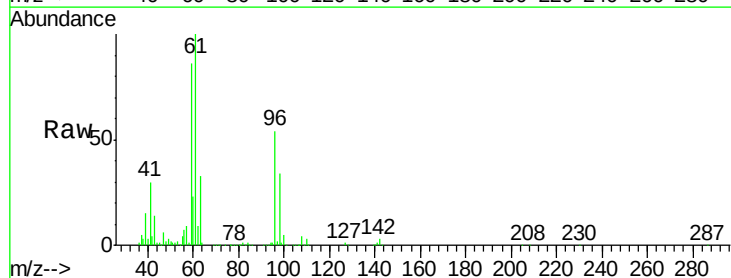
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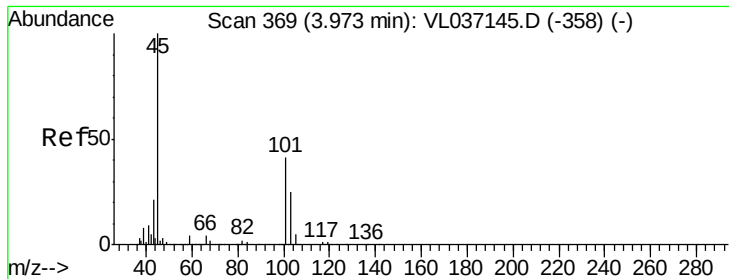


#18

1,1-Dichloroethene
Concen: 15.388 ppbv
RT: 4.30 min Scan# 471
Delta R.T. 0.01 min
Lab File: VL037151.D
Acq: 14 Jun 2021 16:11

Tgt Ion: 96 Resp: 1291379
Ion Ratio Lower Upper
96 100
61 185.9 154.0 231.0
98 63.9 52.3 78.5





#19

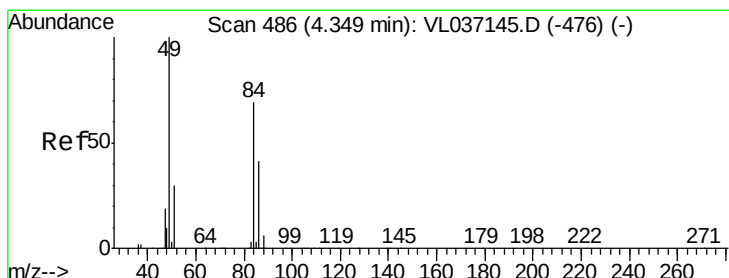
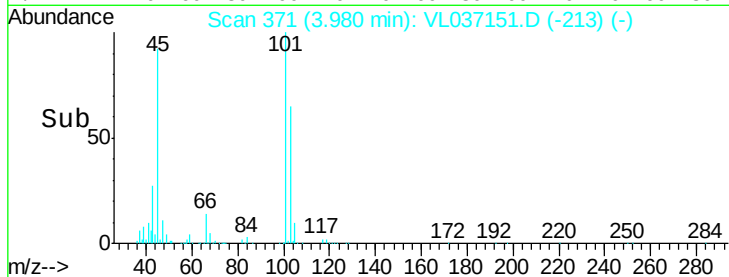
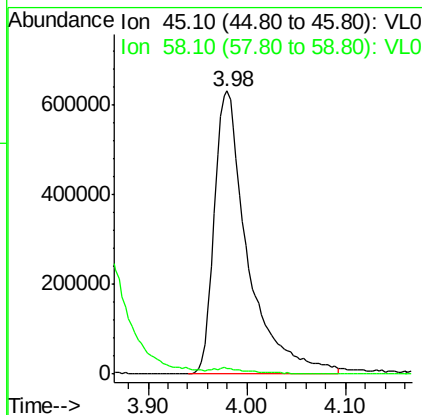
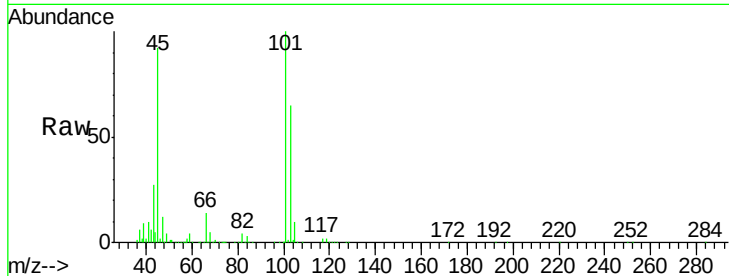
Isopropyl Alcohol
 Concen: 16.732 ppbv
 RT: 3.98 min Scan# 371
 Delta R.T. 0.01 min
 Lab File: VL037151.D
 Acq: 14 Jun 2021 16:11

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

Tot Ion: 45 Resp: 1494832
 Ion Ratio Lower Upper
 45 100
 58 2.5 1.4 2.2#

Manual Integrations
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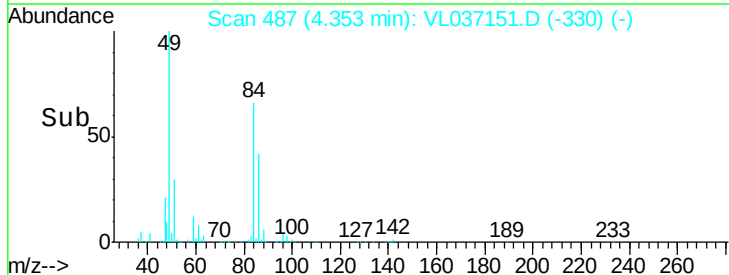
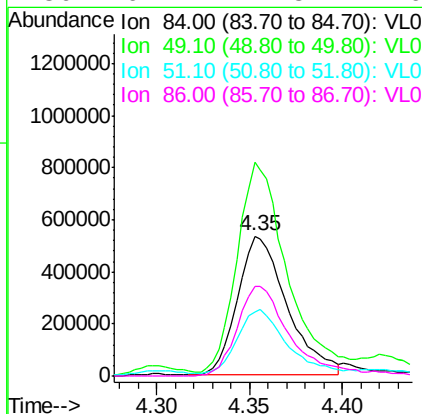
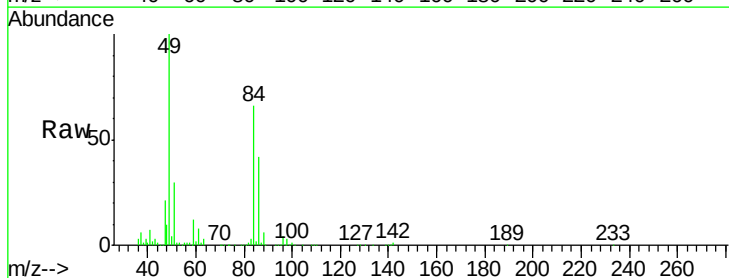
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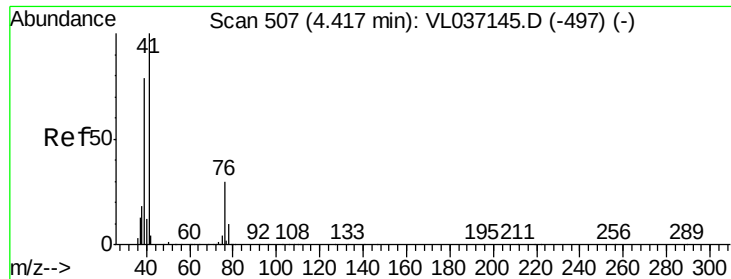


#20

Methylene Chloride
 Concen: 11.194 ppbv
 RT: 4.35 min Scan# 487
 Delta R.T. 0.00 min
 Lab File: VL037151.D
 Acq: 14 Jun 2021 16:11

Tgt Ion: 84 Resp: 997256
 Ion Ratio Lower Upper
 84 100
 49 150.2 115.3 172.9
 51 44.0 34.2 51.4
 86 64.1 47.8 71.6





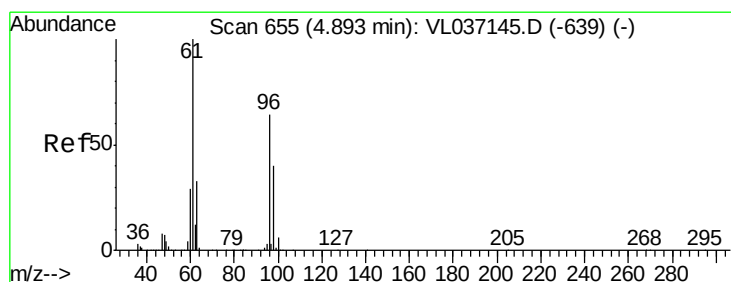
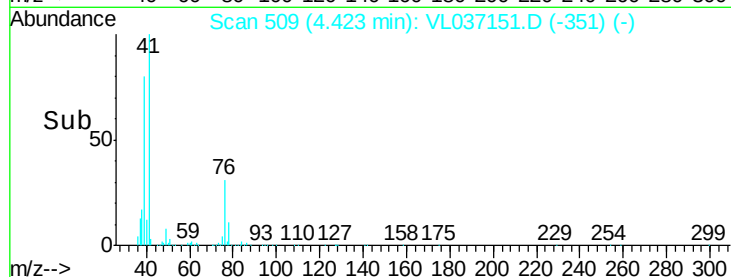
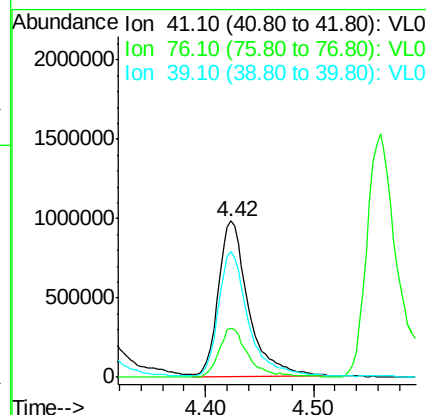
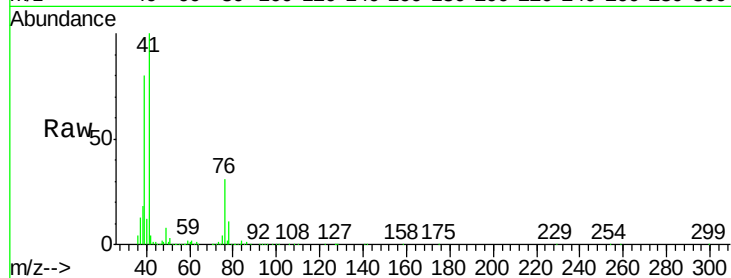
#21
Allvl Chloride
Concen: 15.125 ppbv
RT: 4.42 min Scan# 509
Delta R.T. 0.01 min
Lab File: VL037151.D
Acq: 14 Jun 2021 16:11

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tot Ion	Ratio	Lower	Upper
41	100		
76	31.2	25.2	37.8
39	80.5	66.2	99.2

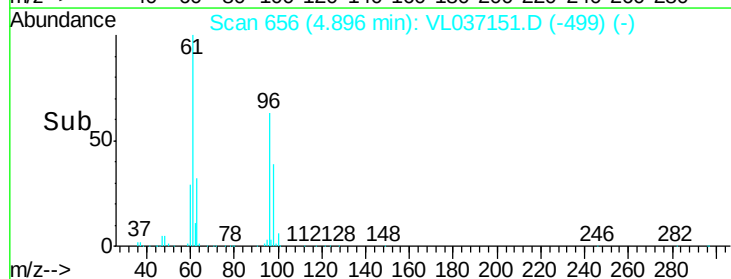
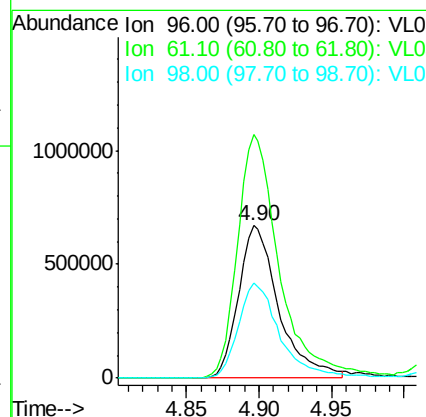
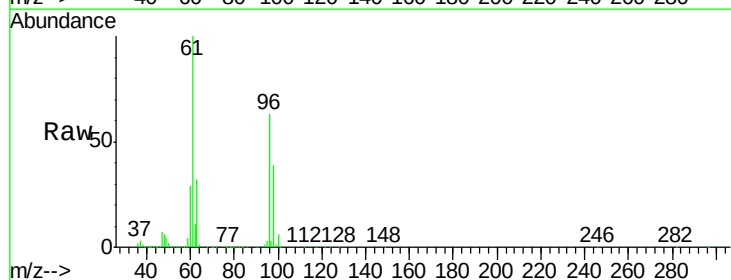
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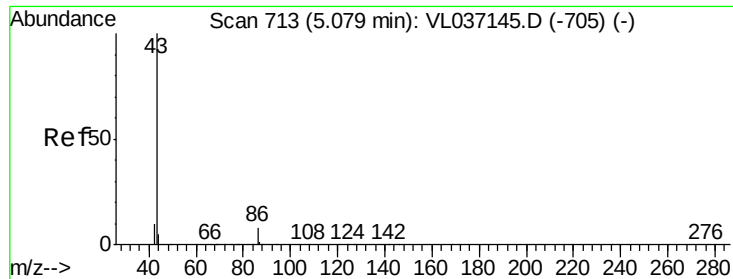
MMDadoda
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#22
trans-1,2-Dichloroethene
Concen: 16.036 ppbv
RT: 4.90 min Scan# 656
Delta R.T. 0.00 min
Lab File: VL037151.D
Acq: 14 Jun 2021 16:11

Tgt Ion	Ratio	Lower	Upper
96	100		
61	159.8	125.3	187.9
98	62.8	50.3	75.5





#23

Vinyl Acetate

Concen: 14.469 ppbv

RT: 5.09 min Scan# 715

Delta R.T. 0.01 min

Lab File: VL037151.D

Acq: 14 Jun 2021 16:11

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tot Ion: 43 Resp: 3816915

Ion Ratio Lower Upper

43 100

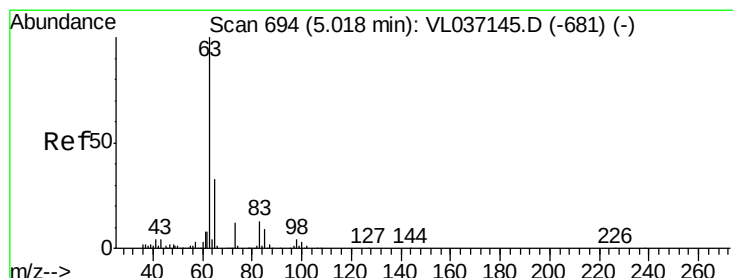
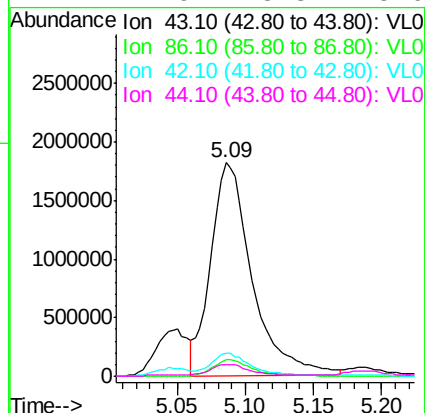
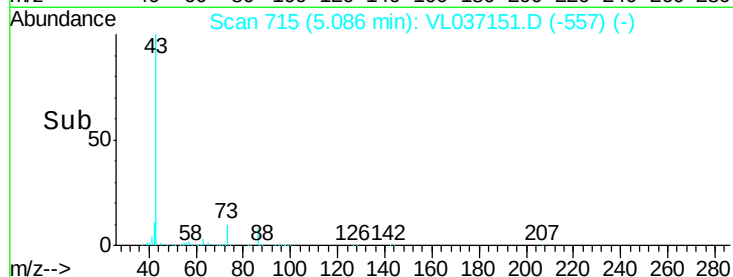
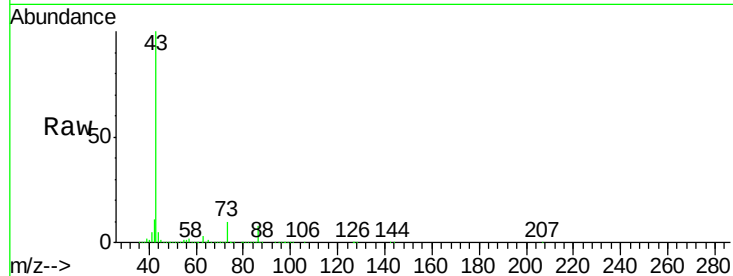
86 8.0 5.4 8.2

42 10.6 8.6 12.8

44 4.9 3.8 5.6

Manual Integrations
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#24

1,1-Dichloroethane

Concen: 14.972 ppbv

RT: 5.02 min Scan# 696

Delta R.T. 0.01 min

Lab File: VL037151.D

Acq: 14 Jun 2021 16:11

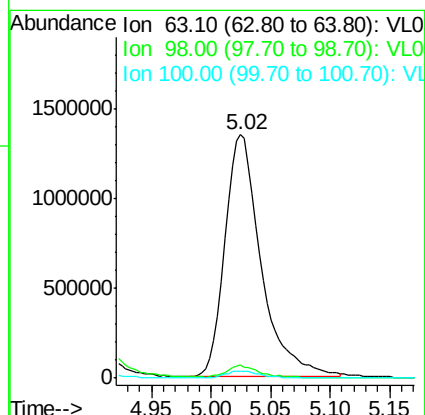
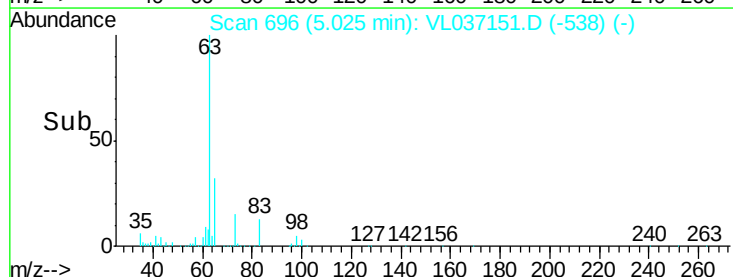
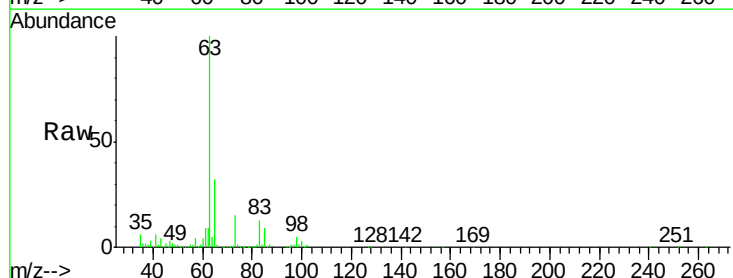
Tgt Ion: 63 Resp: 2842902

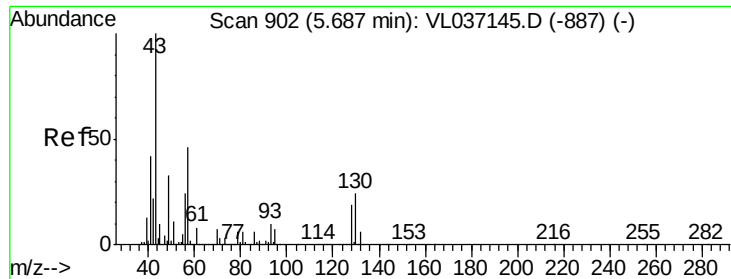
Ion Ratio Lower Upper

63 100

98 4.9 2.4 7.1

100 2.8 1.6 4.8





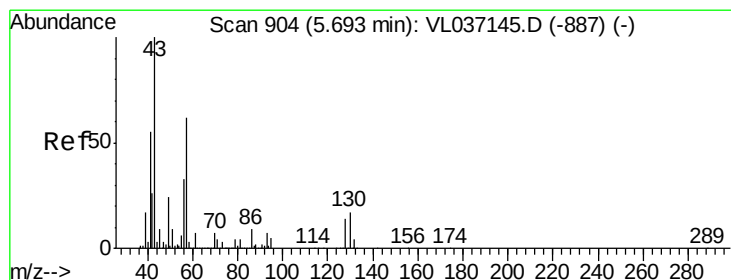
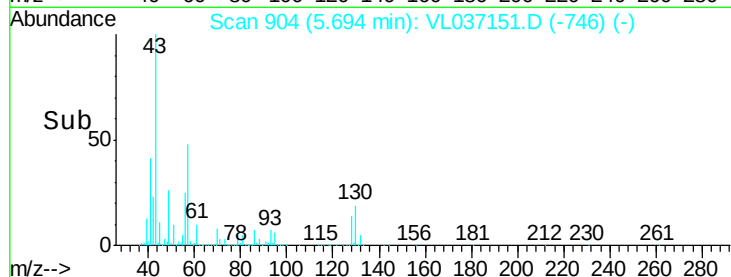
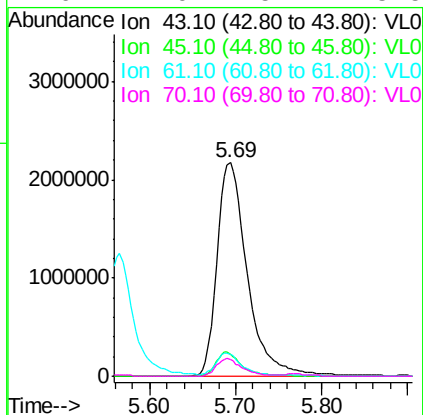
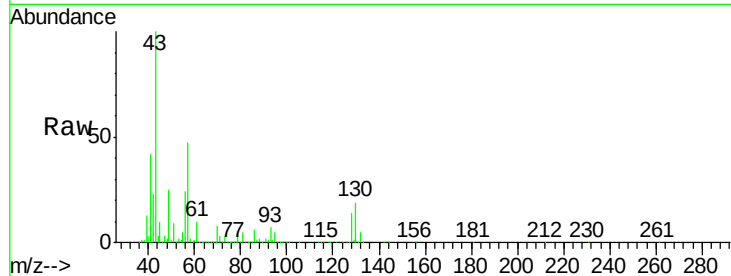
#25
Ethyl Acetate
Concen: 13.285 ppbv
RT: 5.69 min Scan# 904
Delta R.T. 0.01 min
Lab File: VL037151.D
Acq: 14 Jun 2021 16:11

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tot Ion:	43	Resp:	5305742
Ion	Ratio	Lower	Upper
43	100		
45	10.0	7.8	11.8
61	10.2	7.5	11.3
70	7.0	5.7	8.5

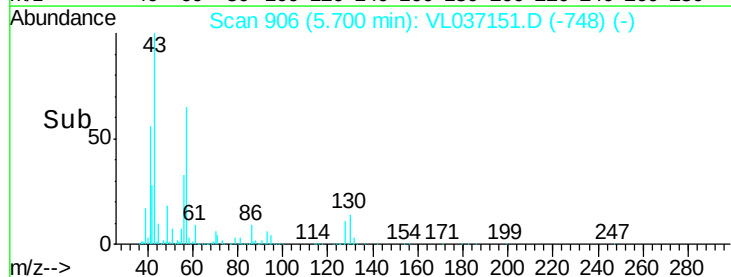
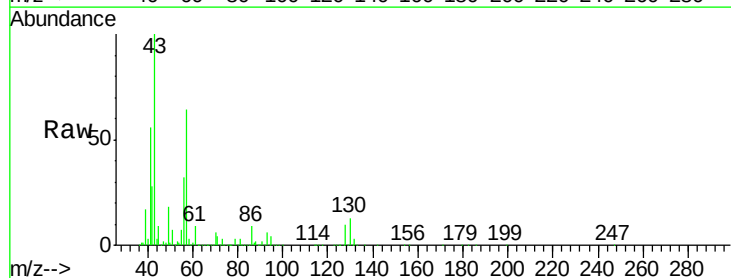
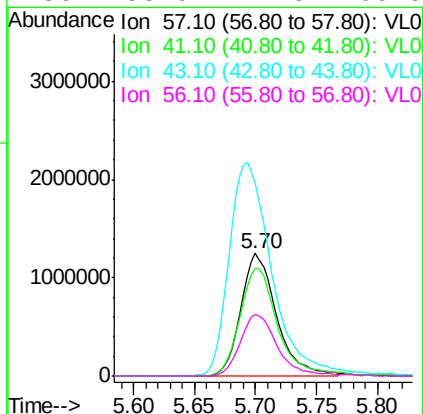
Manual Integrations
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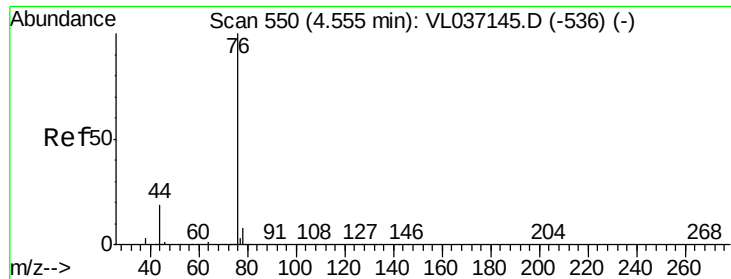
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#26
Hexane
Concen: 12.372 ppbv
RT: 5.70 min Scan# 906
Delta R.T. 0.01 min
Lab File: VL037151.D
Acq: 14 Jun 2021 16:11

Tgt Ion:	57	Resp:	2524267
Ion	Ratio	Lower	Upper
57	100		
41	93.9	73.6	110.4
43	211.6	168.8	253.2
56	53.0	42.3	63.5





#27

Carbon Disulfide

Concen: 14.888 ppbv

RT: 4.56 min Scan# 552

Delta R.T. 0.01 min

Lab File: VL037151.D

Acq: 14 Jun 2021 16:11

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tot Ion: 76 Resp: 3061404

Ion Ratio Lower Upper

76 100

44 19.3 15.6 23.4

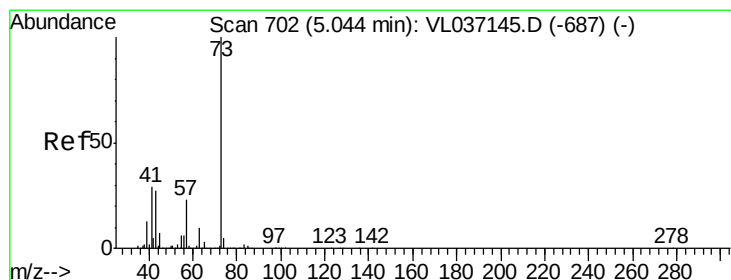
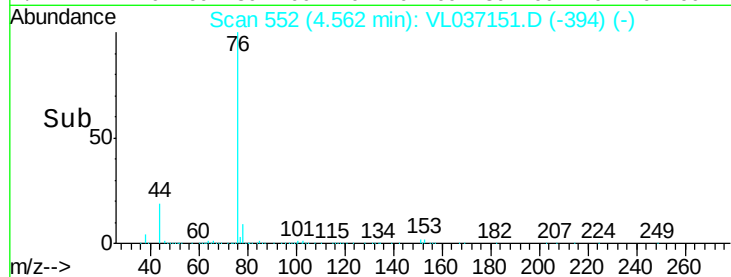
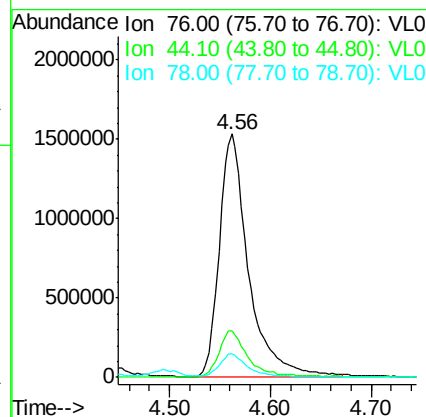
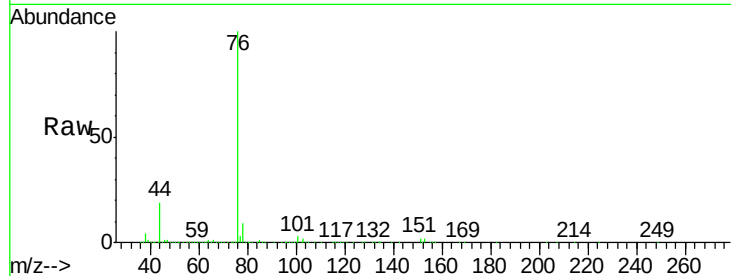
78 9.5 7.6 11.4

Manual Integrations

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#28

Methyl tert-Butyl Ether

Concen: 13.280 ppbv

RT: 5.05 min Scan# 703

Delta R.T. 0.00 min

Lab File: VL037151.D

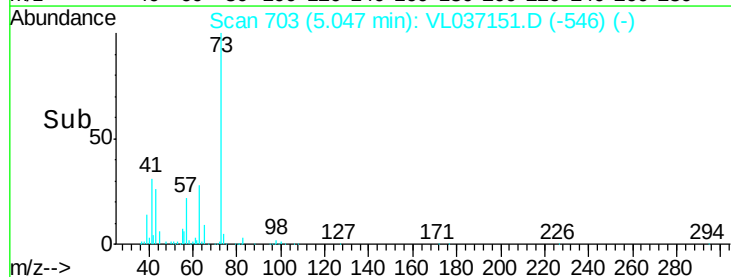
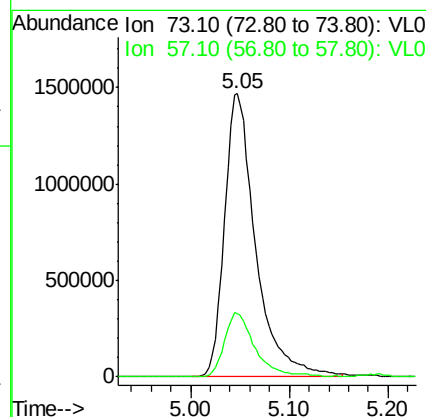
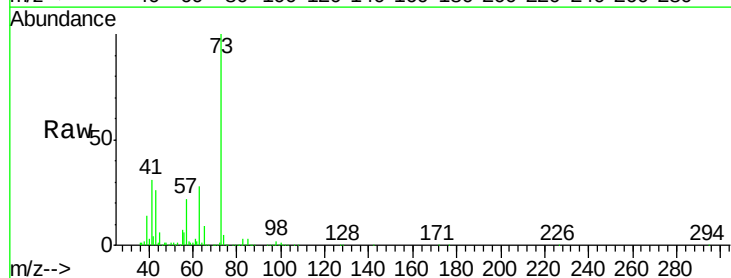
Acq: 14 Jun 2021 16:11

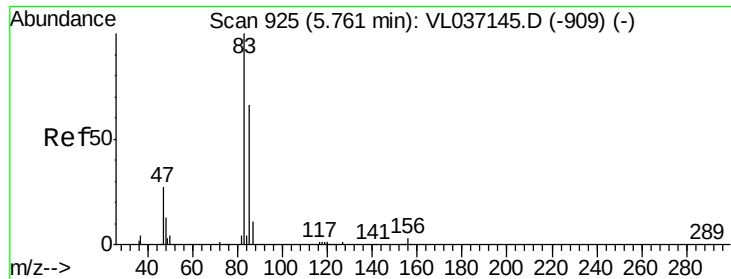
Tgt Ion: 73 Resp: 3247675

Ion Ratio Lower Upper

73 100

57 22.6 18.2 27.4





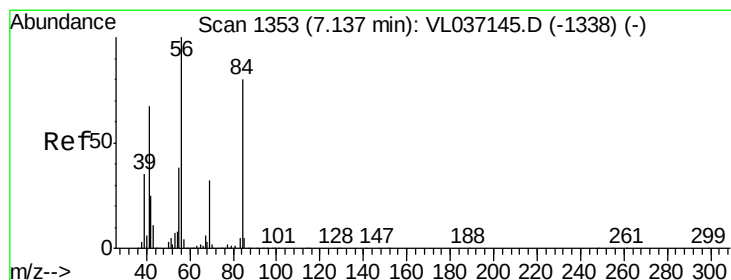
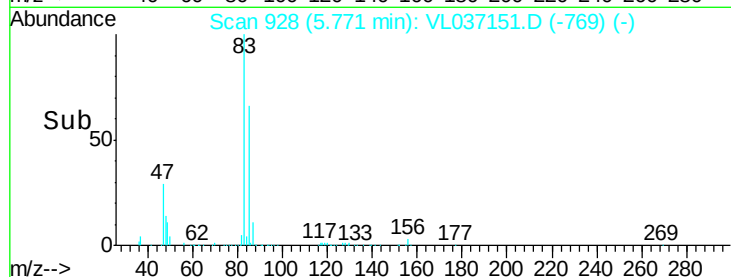
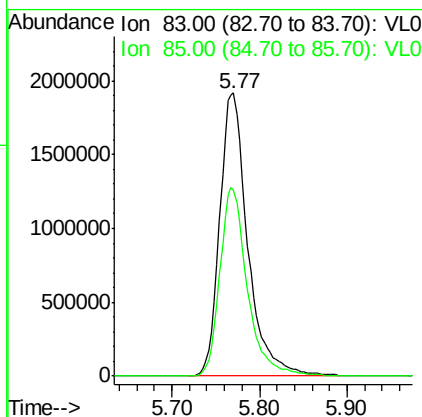
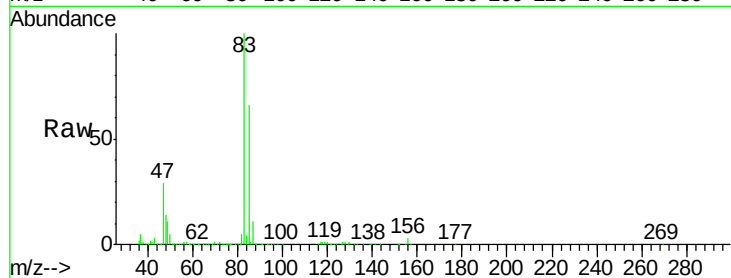
#29
Chloroform
Concen: 14.783 ppbv
RT: 5.77 min Scan# 928
Delta R.T. 0.01 min
Lab File: VL037151.D
Acq: 14 Jun 2021 16:11

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tot Ion: 83 Resp: 4260972
Ion Ratio Lower Upper
83 100
85 65.4 52.6 78.8

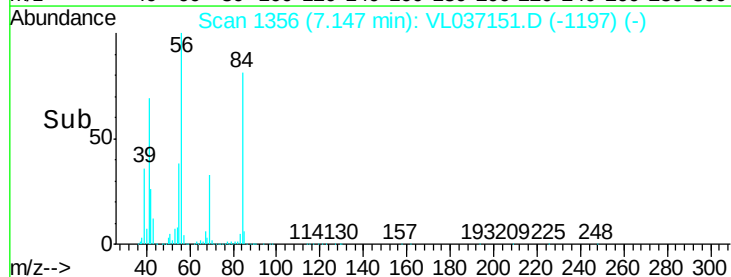
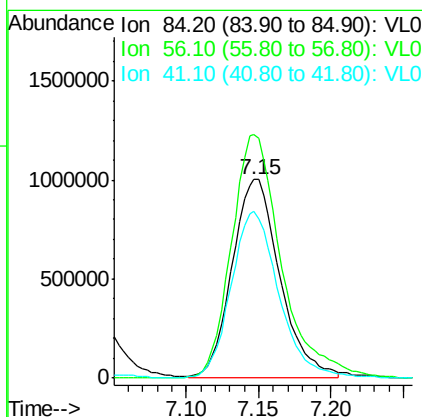
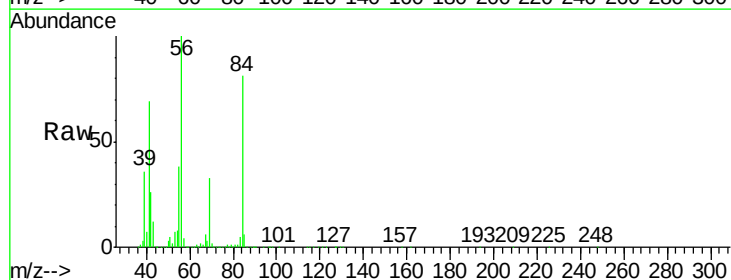
Manual Integrations
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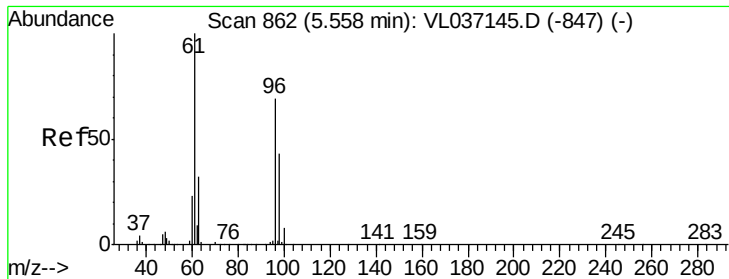
MMDadoda
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#30
Cyclohexane
Concen: 13.295 ppbv
RT: 7.15 min Scan# 1356
Delta R.T. 0.01 min
Lab File: VL037151.D
Acq: 14 Jun 2021 16:11

Tgt Ion: 84 Resp: 2305021
Ion Ratio Lower Upper
84 100
56 128.6 103.9 155.9
41 84.1 66.5 99.7





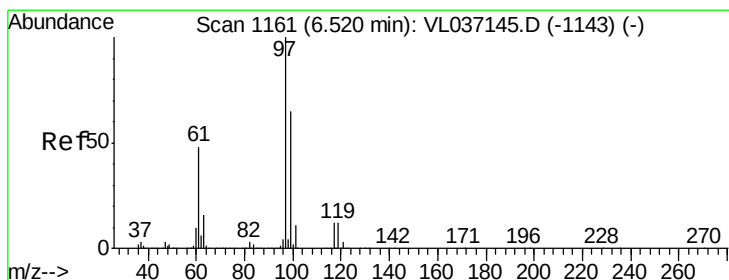
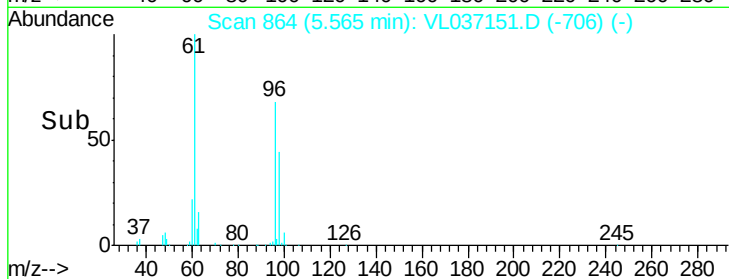
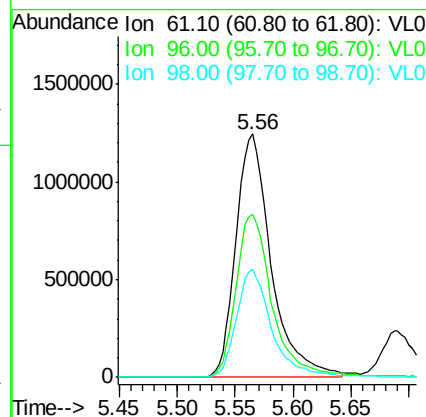
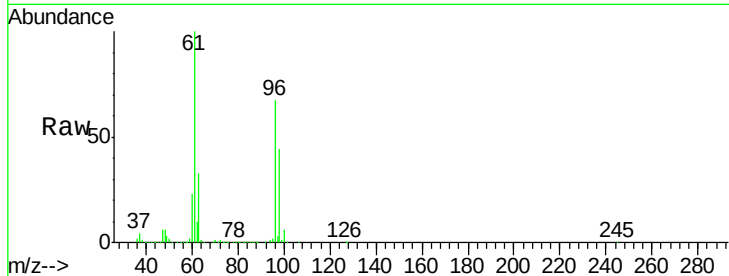
#31
 cis-1,2-Dichloroethene
 Concen: 14.361 ppbv
 RT: 5.56 min Scan# 864
 Delta R.T. 0.01 min
 Lab File: VL037151.D
 Acq: 14 Jun 2021 16:11

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

Tot Ion	Ratio	Lower	Upper
61	100		
96	67.0	55.3	82.9
98	44.2	34.7	52.1

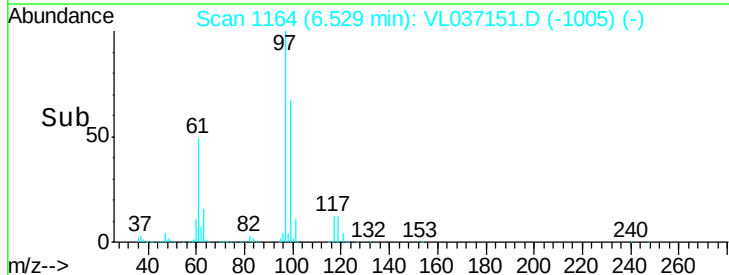
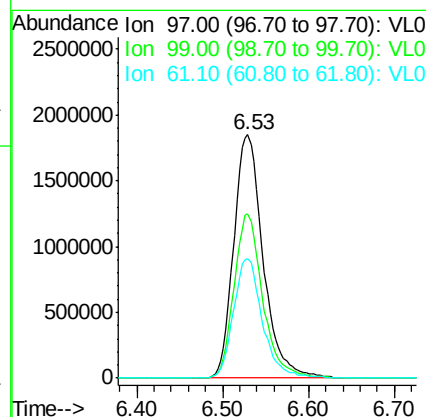
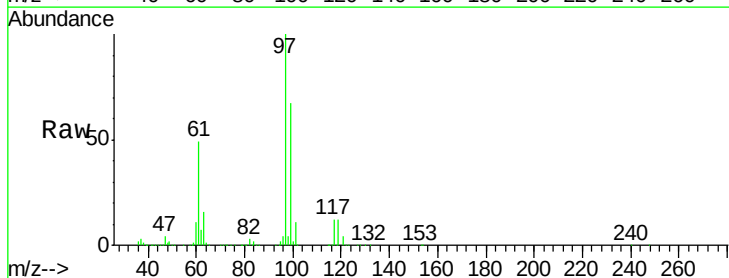
Manual Integrations
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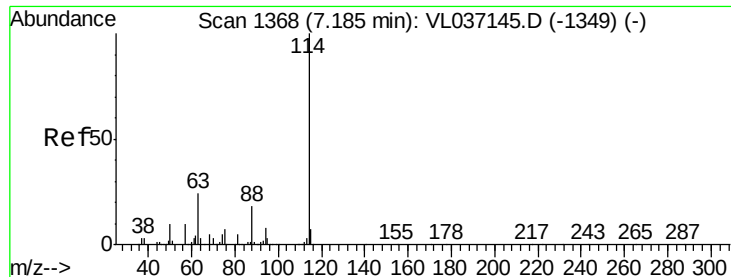
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#32
 1,1,1-Trichloroethane
 Concen: 14.205 ppbv
 RT: 6.53 min Scan# 1164
 Delta R.T. 0.01 min
 Lab File: VL037151.D
 Acq: 14 Jun 2021 16:11

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.8	52.4	78.6
61	48.0	38.5	57.7





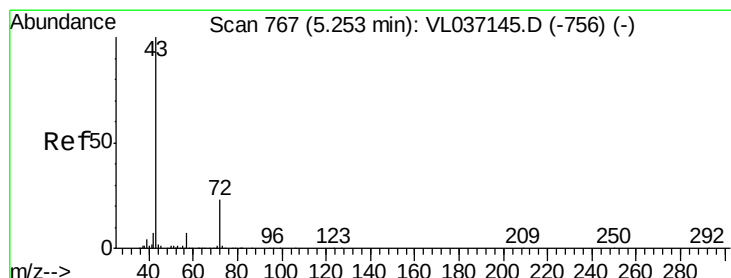
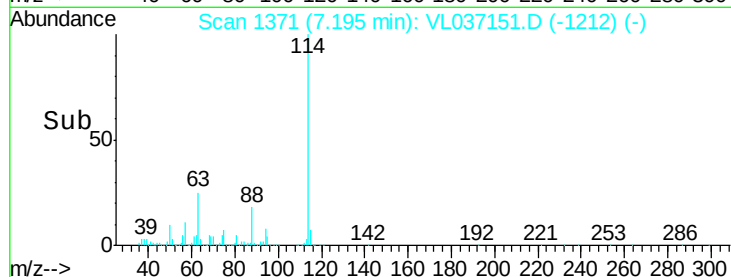
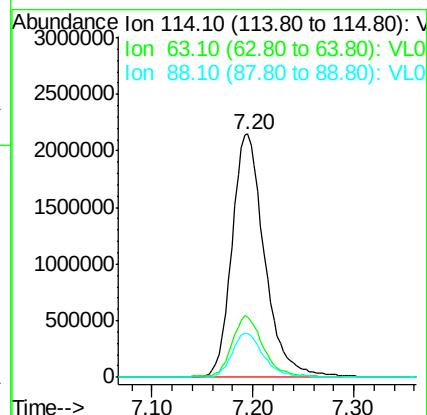
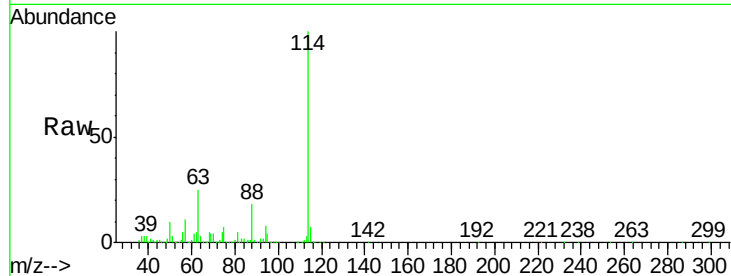
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.20 min Scan# 1371
 Delta R.T. 0.01 min
 Lab File: VL037151.D
 Acq: 14 Jun 2021 16:11

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

Tot Ion	Ratio	Lower	Upper
114	100		
63	24.8	19.8	29.6
88	17.8	14.3	21.5

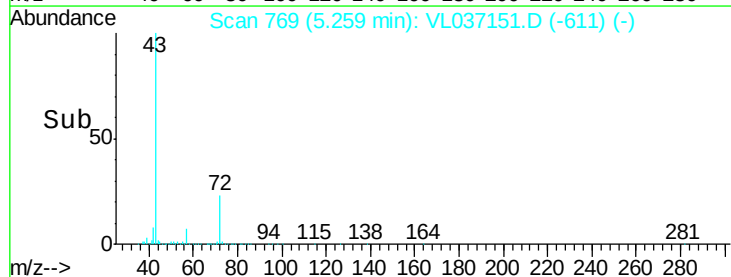
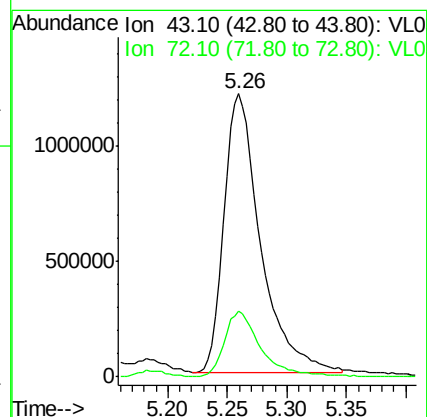
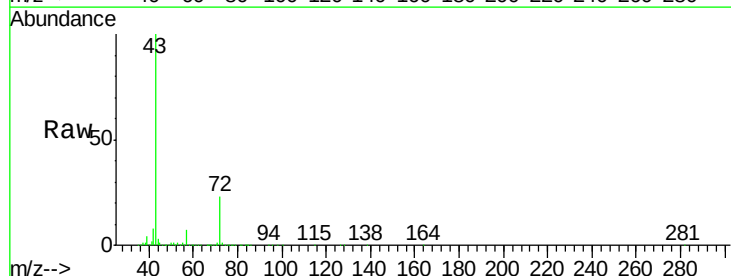
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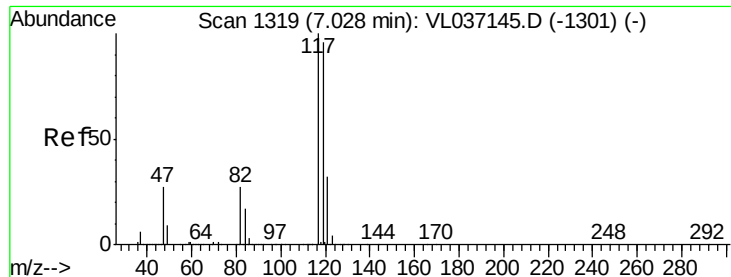
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#34
 2-Butanone
 Concen: 14.570 ppbv
 RT: 5.26 min Scan# 769
 Delta R.T. 0.01 min
 Lab File: VL037151.D
 Acq: 14 Jun 2021 16:11

Tgt Ion	Ratio	Lower	Upper
43	100		
72	23.8	18.6	28.0





#35

Carbon Tetrachloride

Concen: 14.779 ppbv

RT: 7.03 min Scan# 1321

Delta R.T. 0.01 min

Lab File: VL037151.D

Acq: 14 Jun 2021 16:11

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tot Ion:117 Resp: 4742273

Ion Ratio Lower Upper

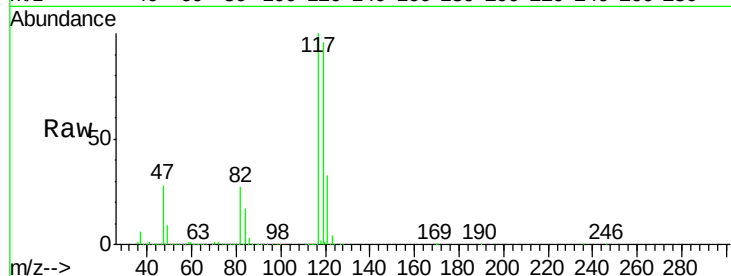
117 100

119 96.1 77.0 115.4

121 33.1 25.4 38.0

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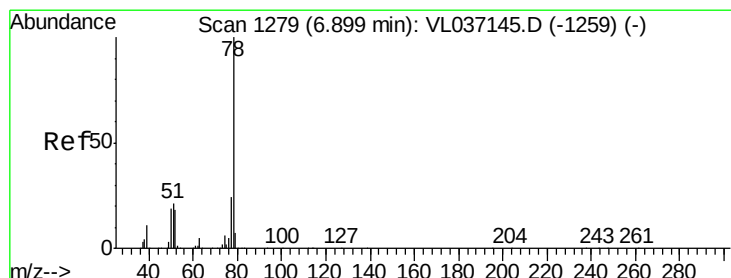
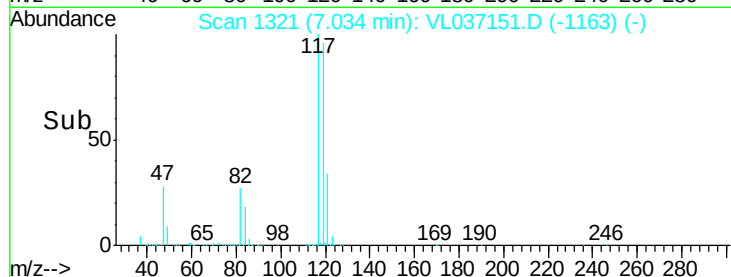
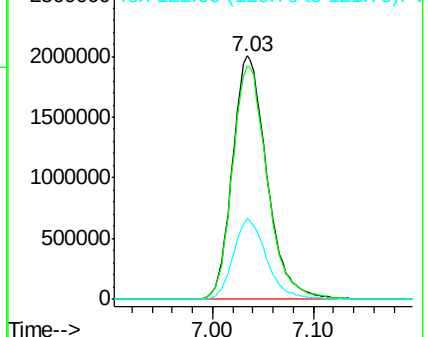
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Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#36

Benzene

Concen: 12.813 ppbv

RT: 6.91 min Scan# 1282

Delta R.T. 0.01 min

Lab File: VL037151.D

Acq: 14 Jun 2021 16:11

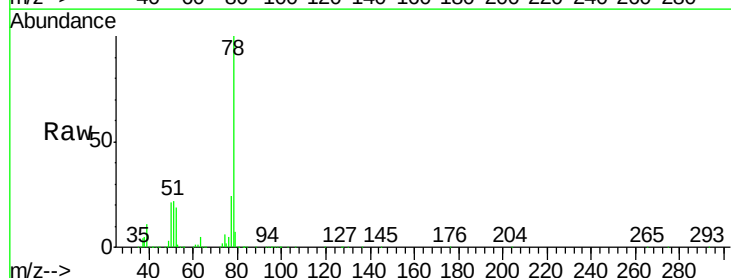
Tgt Ion: 78 Resp: 5330020

Ion Ratio Lower Upper

78 100

77 24.4 19.5 29.3

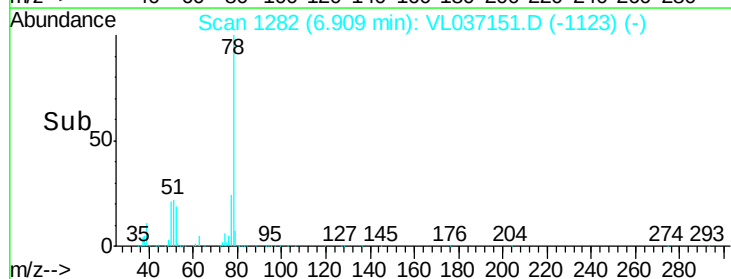
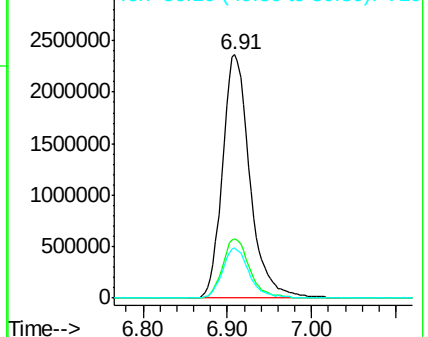
50 20.6 15.5 23.3

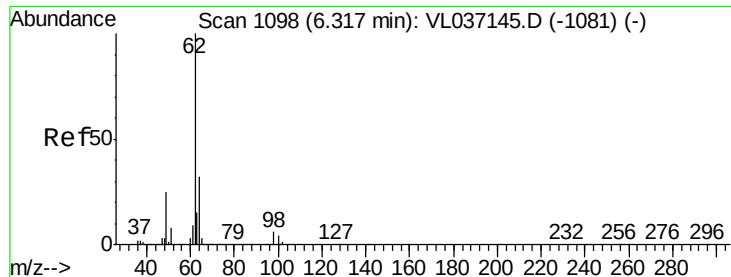


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0





#37

1,2-Dichloroethane

Concen: 15.476 ppbv

RT: 6.32 min Scan# 1099

Delta R.T. 0.00 min

Lab File: VL037151.D

Acq: 14 Jun 2021 16:11

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tot Ion: 62 Resp: 3191727

Ion Ratio Lower Upper

62 100

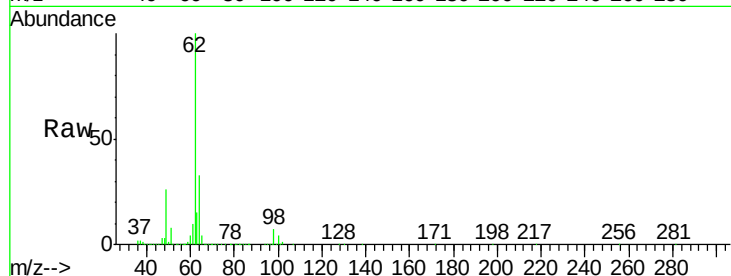
98 6.5 5.1 7.7

Manual Integrations

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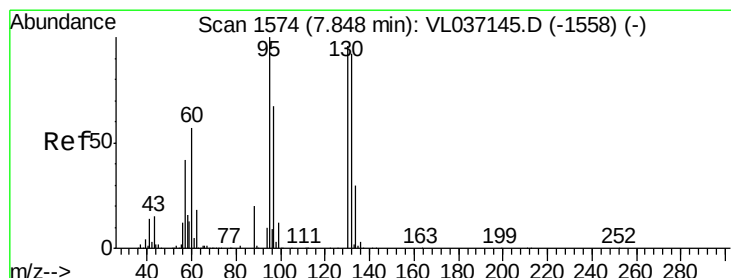
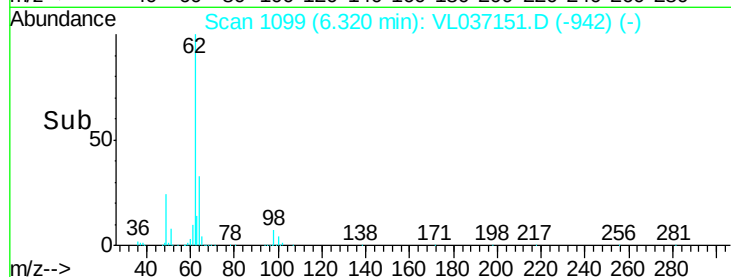
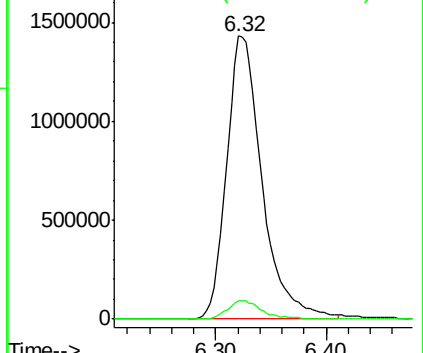
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Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 98.00 (97.70 to 98.70): VL0



#38

Trichloroethene

Concen: 13.264 ppbv

RT: 7.85 min Scan# 1575

Delta R.T. 0.00 min

Lab File: VL037151.D

Acq: 14 Jun 2021 16:11

Tgt Ion:130 Resp: 2360307

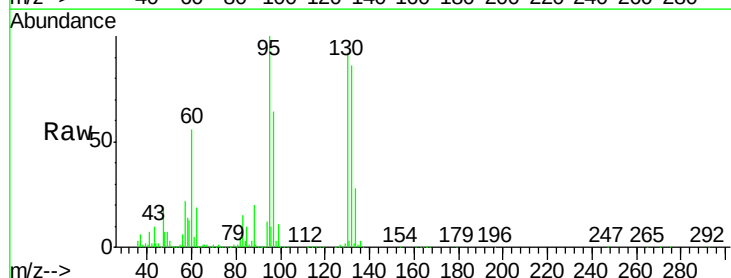
Ion Ratio Lower Upper

130 100

95 108.3 83.5 125.3

132 92.6 76.8 115.2

97 69.8 56.3 84.5

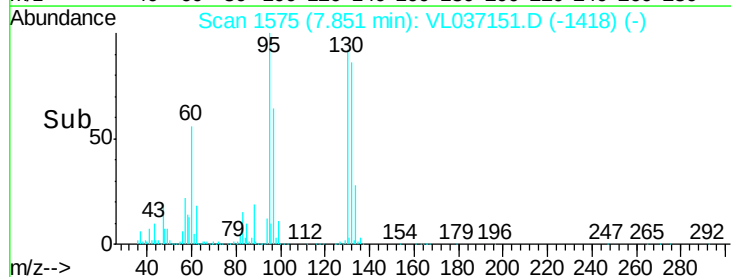
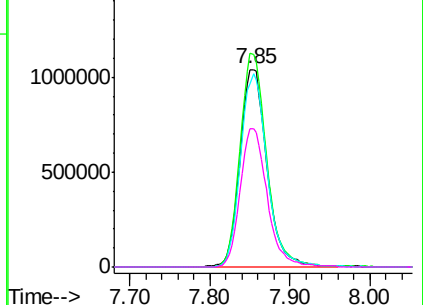


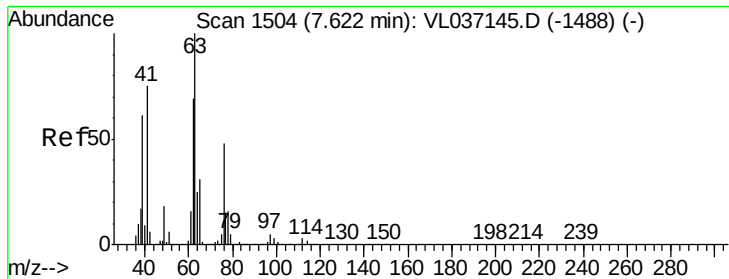
Abundance Ion 130.00 (129.70 to 130.70): V

Ion 95.00 (94.70 to 95.70): VL0

Ion 132.00 (131.70 to 132.70): V

Ion 97.00 (96.70 to 97.70): VL0





#39

1,2-Dichloropropane

Concen: 13.015 ppbv

RT: 7.63 min Scan# 1507

Delta R.T. 0.01 min

Lab File: VL037151.D

Acq: 14 Jun 2021 16:11

Instrument :

MSVOA_L

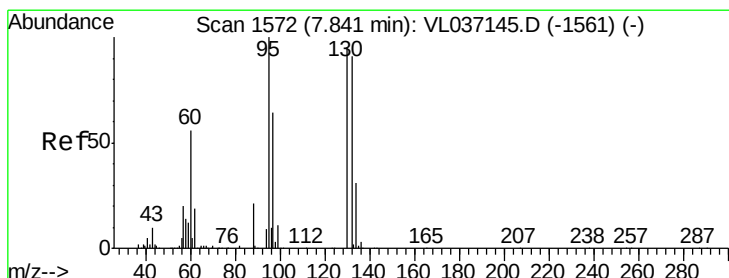
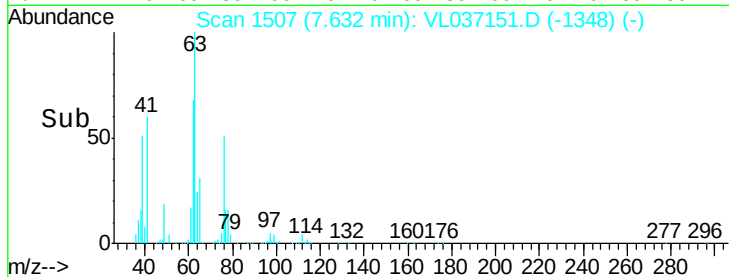
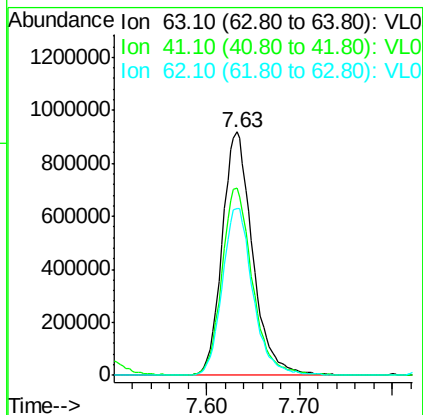
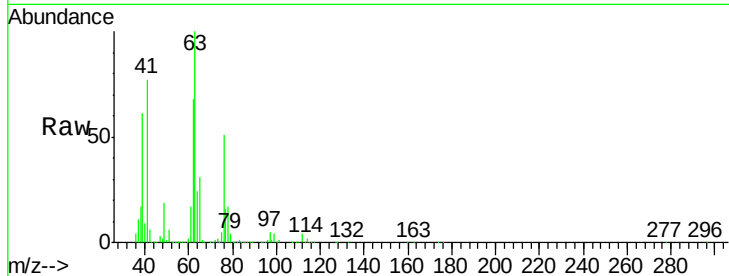
ClientSampleId :

VSTDIC015

Tot Ion:	63	Resp:	2085585
Ion	Ratio	Lower	Upper
63	100		
41	76.8	60.0	90.0
62	68.5	55.4	83.0

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#40

1,4-Dioxane

Concen: 14.798 ppbv

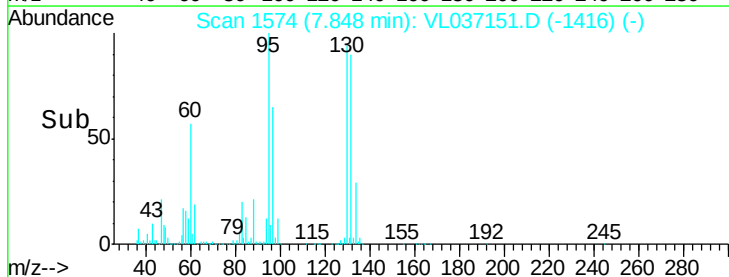
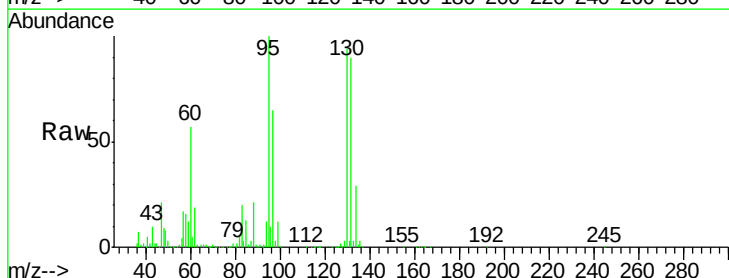
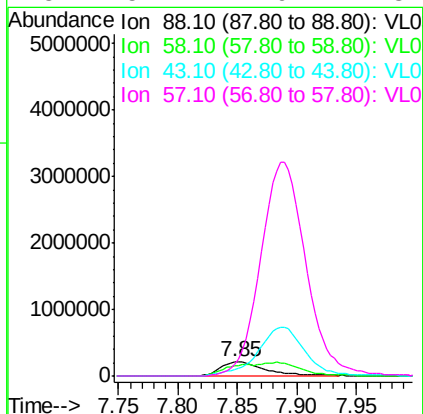
RT: 7.85 min Scan# 1574

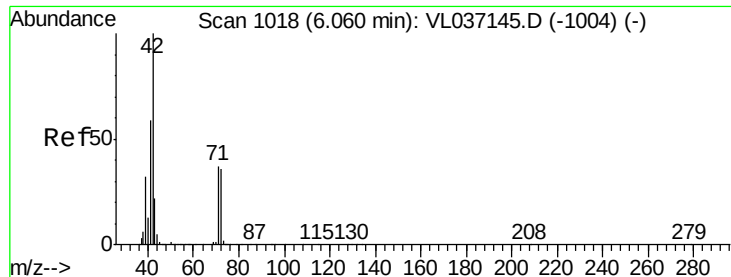
Delta R.T. 0.01 min

Lab File: VL037151.D

Acq: 14 Jun 2021 16:11

Tgt Ion:	88	Resp:	559895
Ion	Ratio	Lower	Upper
88	100		
58	146.8	115.6	173.4
43	359.5	278.3	417.5
57	1522.7	1207.4	1811.0





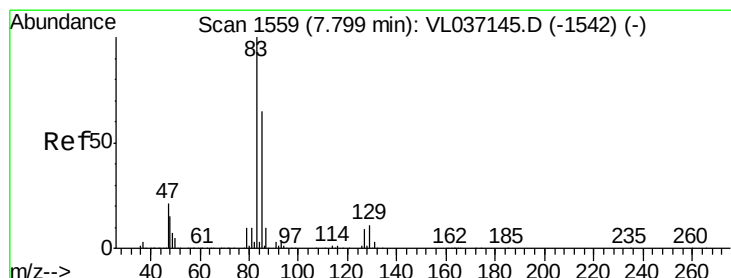
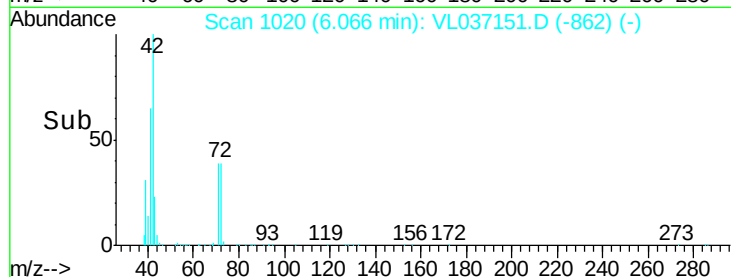
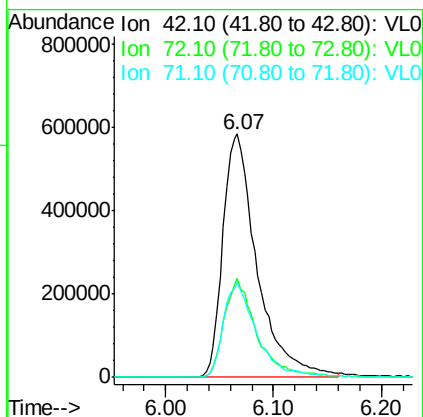
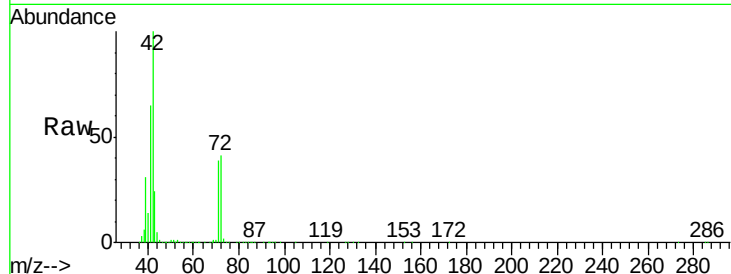
#41
Tetrahydrofuran
Concen: 12.878 ppbv
RT: 6.07 min Scan# 1020
Delta R.T. 0.01 min
Lab File: VL037151.D
Acq: 14 Jun 2021 16:11

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tot Ion: 42 Resp: 1289744
Ion Ratio Lower Upper
42 100
72 39.3 31.7 47.5
71 38.1 31.0 46.6

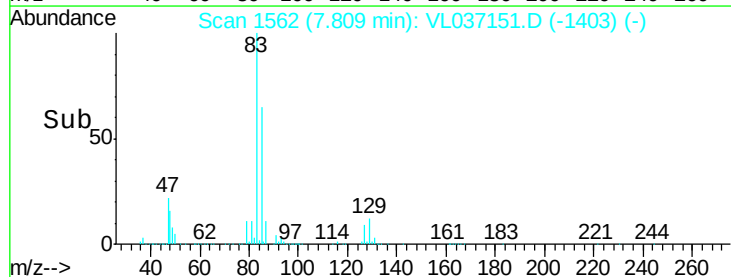
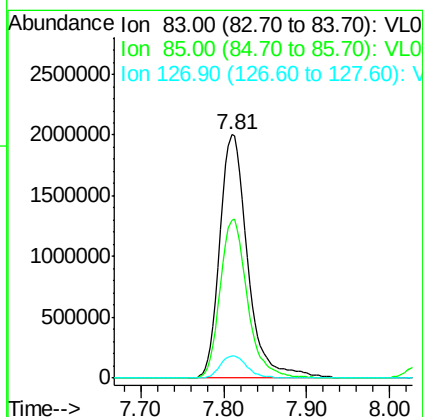
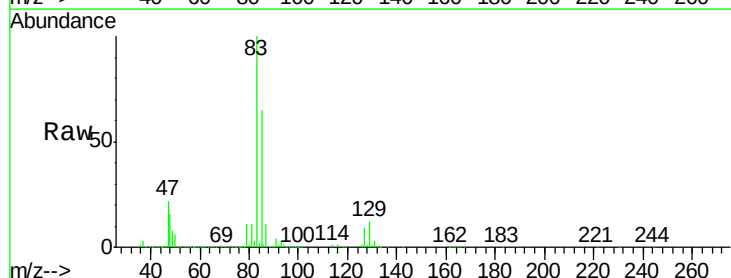
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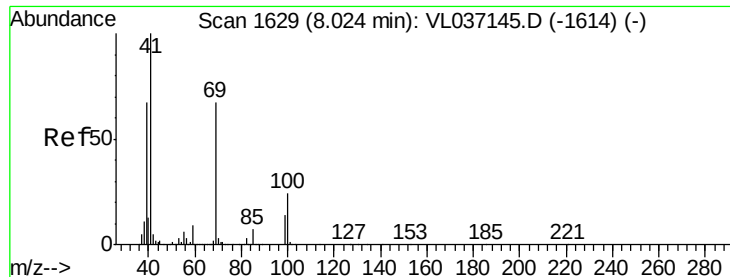
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#42
Bromodichloromethane
Concen: 14.966 ppbv
RT: 7.81 min Scan# 1562
Delta R.T. 0.01 min
Lab File: VL037151.D
Acq: 14 Jun 2021 16:11

Tgt Ion: 83 Resp: 4669611
Ion Ratio Lower Upper
83 100
85 64.6 51.7 77.5
127 9.3 7.4 11.0





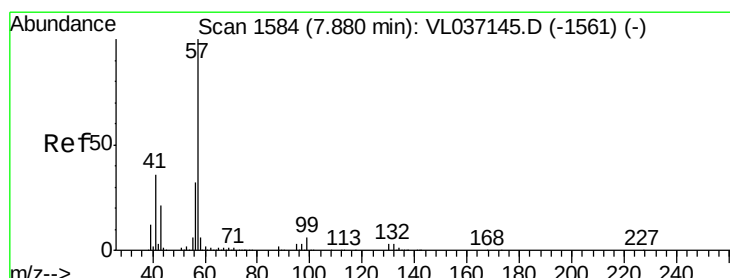
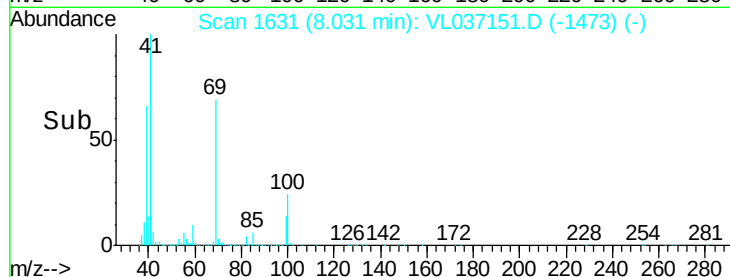
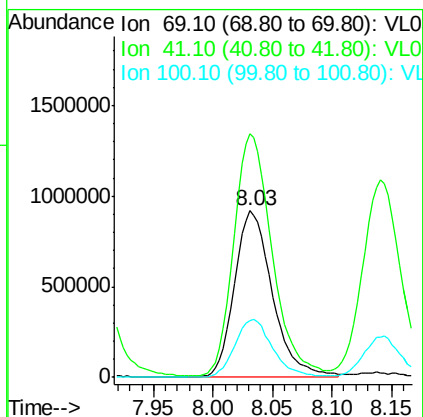
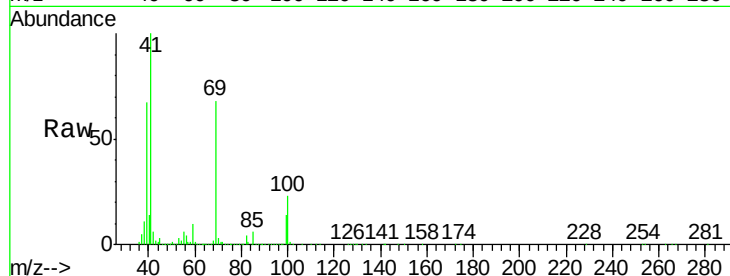
#43
Methyl Methacrylate
Concen: 14.190 ppbv
RT: 8.03 min Scan# 1631
Delta R.T. 0.01 min
Lab File: VL037151.D
Acq: 14 Jun 2021 16:11

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tot Ion: 69 Resp: 2034514
Ion Ratio Lower Upper
69 100
41 148.0 117.7 176.5
100 34.9 27.9 41.9

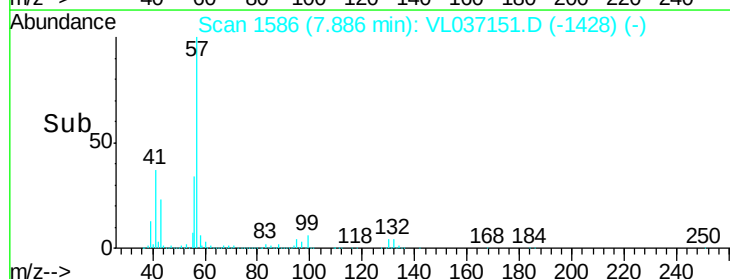
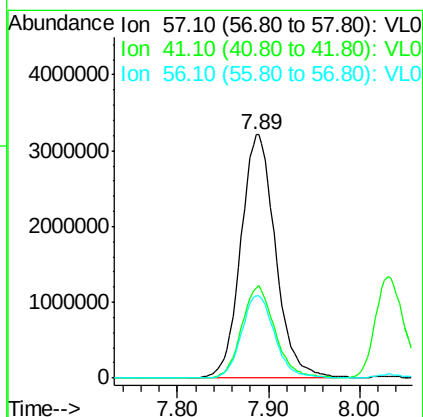
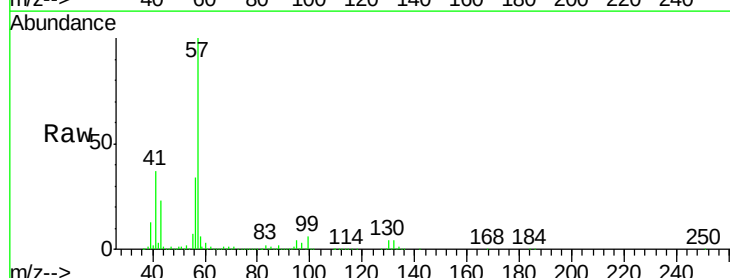
Manual Integrations
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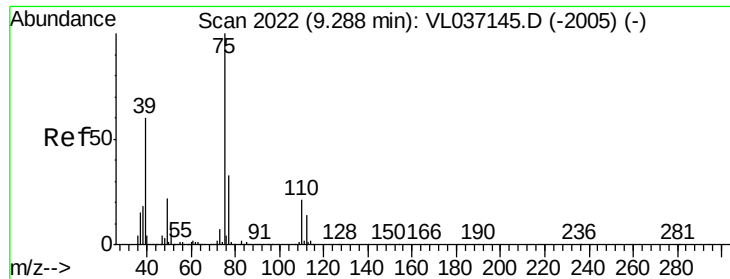
MMDadoda
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#44
2,2,4-Trimethylpentane
Concen: 11.905 ppbv
RT: 7.89 min Scan# 1586
Delta R.T. 0.01 min
Lab File: VL037151.D
Acq: 14 Jun 2021 16:11

Tgt Ion: 57 Resp: 8496076
Ion Ratio Lower Upper
57 100
41 36.2 28.1 42.1
56 32.6 25.4 38.2





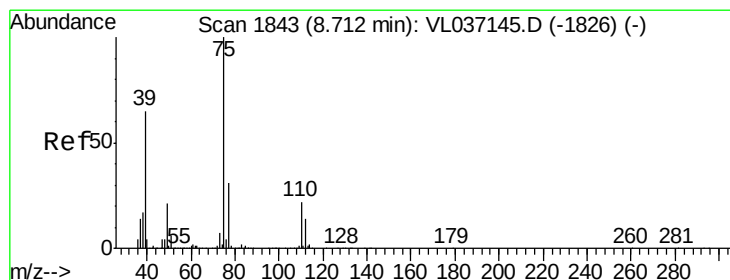
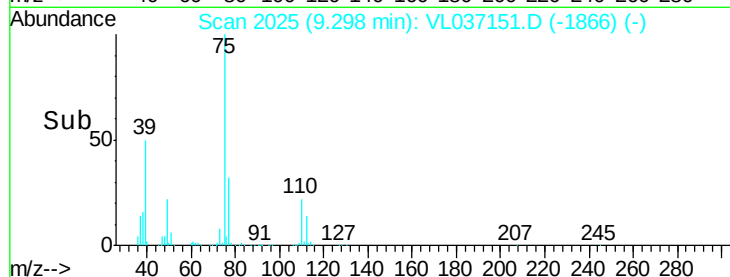
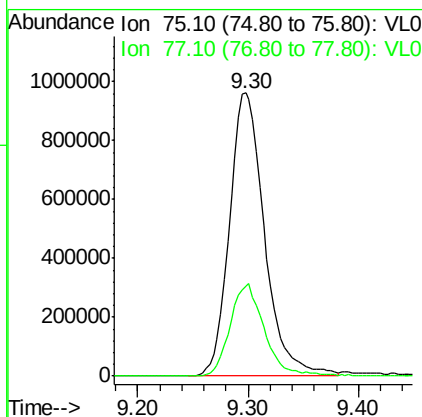
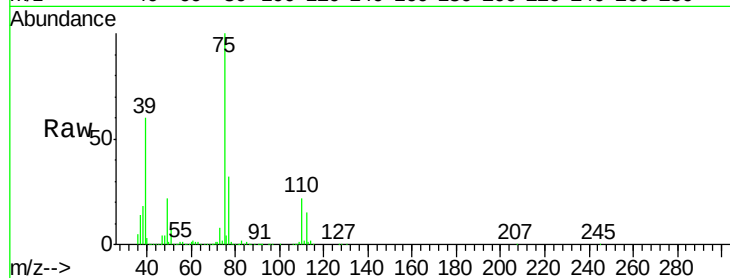
#45
t-1,3-Dichloropropene
Concen: 19.323 ppbv
RT: 9.30 min Scan# 2025
Delta R.T. 0.01 min
Lab File: VL037151.D
Acq: 14 Jun 2021 16:11

Instrument :
MSVOA_L
ClientSampled :
VSTDIC015

Tot Ion: 75 Resp: 2116544
Ion Ratio Lower Upper
75 100
77 31.7 26.2 39.2

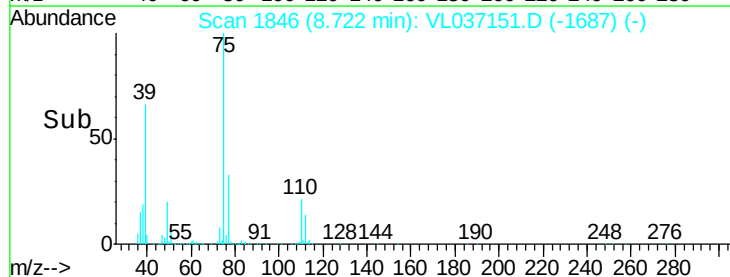
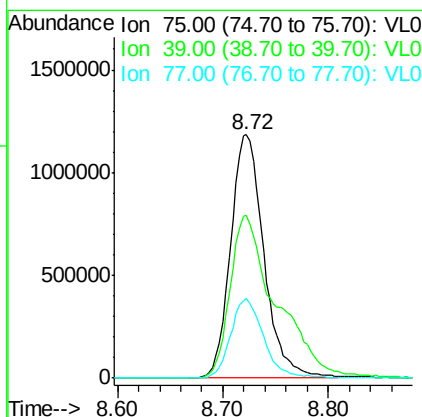
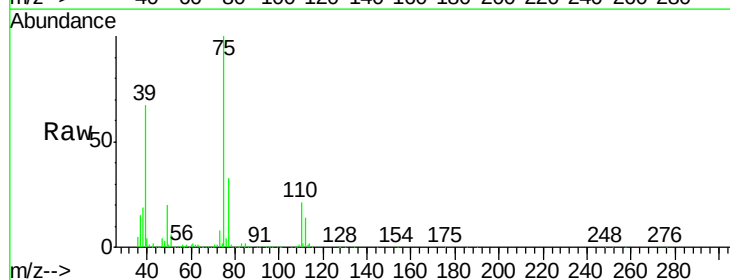
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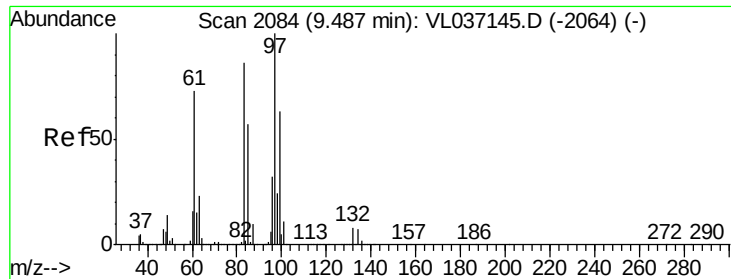
MMDadoda
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#46
cis-1,3-Dichloropropene
Concen: 17.591 ppbv
RT: 8.72 min Scan# 1846
Delta R.T. 0.01 min
Lab File: VL037151.D
Acq: 14 Jun 2021 16:11

Tgt Ion: 75 Resp: 2591747
Ion Ratio Lower Upper
75 100
39 66.9 52.2 78.4
77 32.6 24.5 36.7





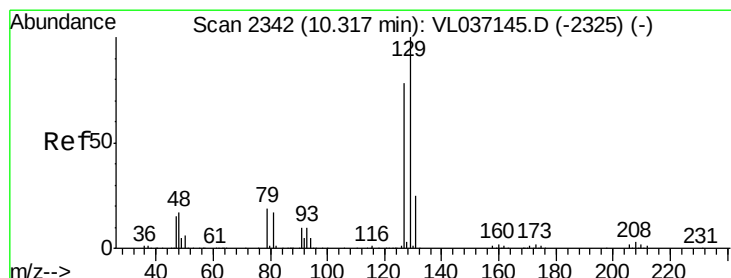
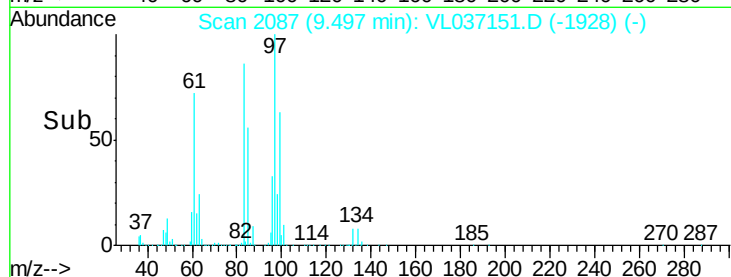
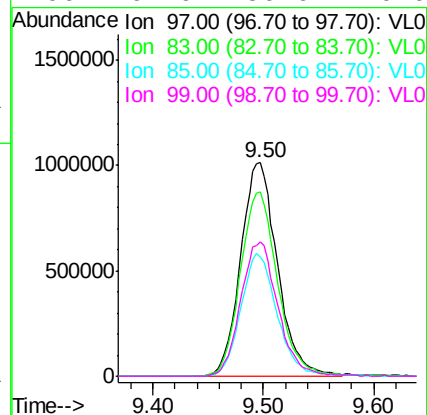
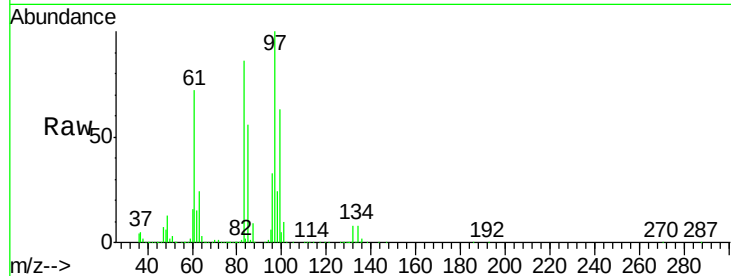
#47
 1,1,2-Trichloroethane
 Concen: 13.937 ppbv
 RT: 9.50 min Scan# 2087
 Delta R.T. 0.01 min
 Lab File: VL037151.D
 Acq: 14 Jun 2021 16:11

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

Tot Ion	Ion	Ratio	Lower	Upper
97	100			
83	86.1	69.0	103.4	
85	55.6	45.7	68.5	
99	62.9	50.6	76.0	

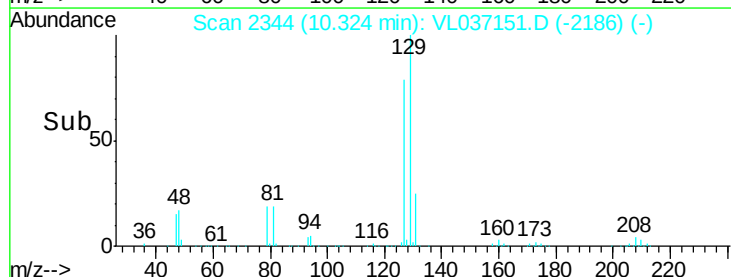
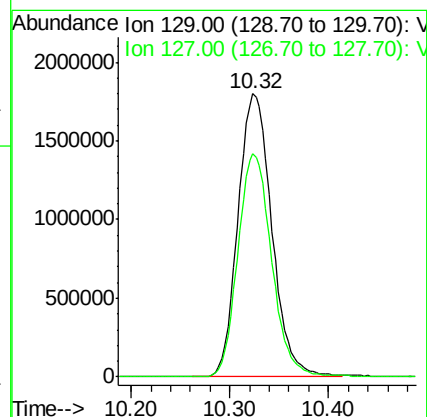
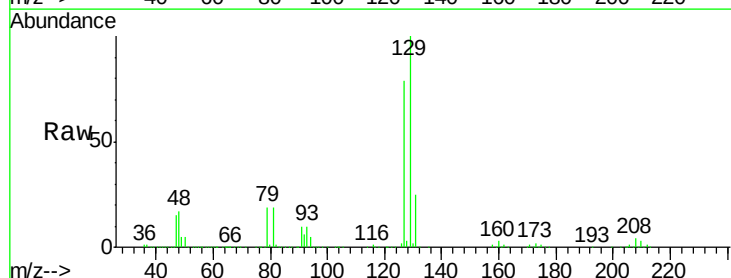
Manual Integrations
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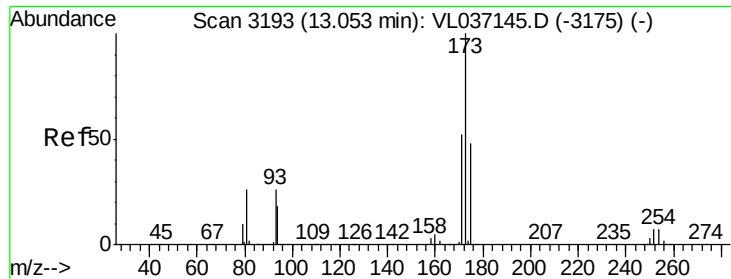
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#48
 Dibromochloromethane
 Concen: 15.729 ppbv
 RT: 10.32 min Scan# 2344
 Delta R.T. 0.01 min
 Lab File: VL037151.D
 Acq: 14 Jun 2021 16:11

Tgt Ion	Ion	Ratio	Lower	Upper
129	100			
127	79.3	39.4	118.2	





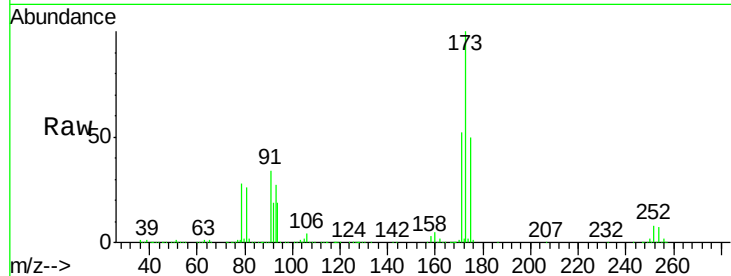
#49
Bromoform
Concen: 15.971 ppbv
RT: 13.06 min Scan# 3196
Delta R.T. 0.01 min
Lab File: VL037151.D
Acq: 14 Jun 2021 16:11

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

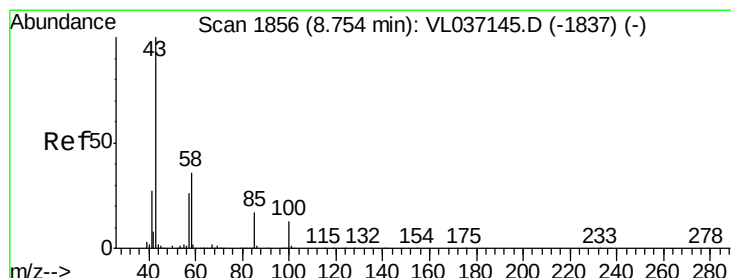
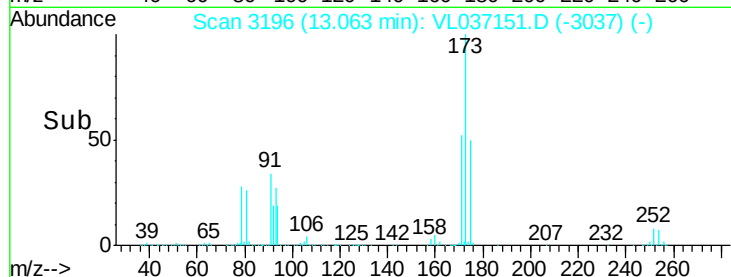
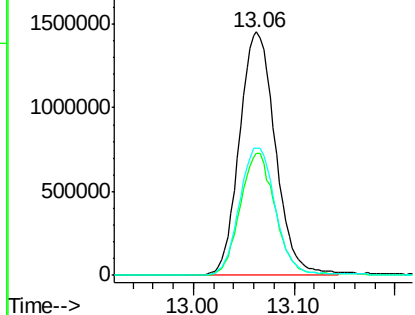
Tot Ion:173 Resp: 3581848
Ion Ratio Lower Upper
173 100
175 50.0 39.8 59.6
171 53.3 42.5 63.7

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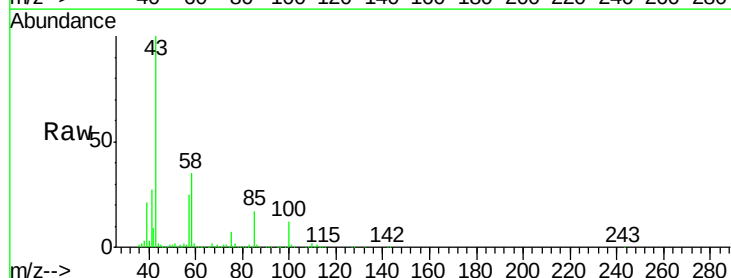


Abundance Ion 172.90 (172.60 to 173.60): V
2000000
Ion 174.90 (174.60 to 175.60): V
Ion 170.90 (170.60 to 171.60): V

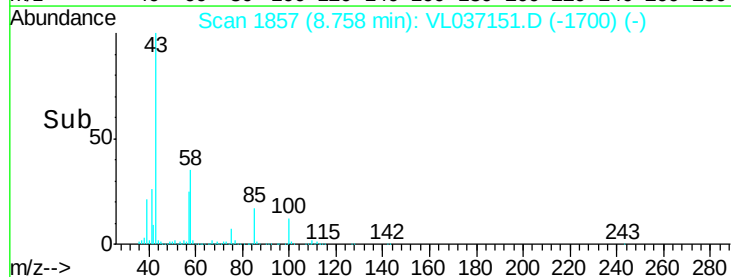
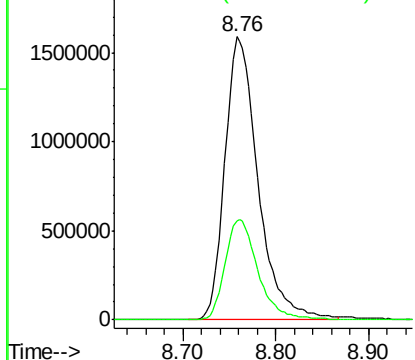


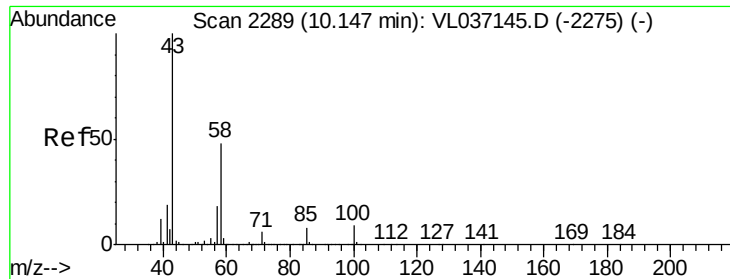
#50
4-Methyl-2-Pentanone
Concen: 13.552 ppbv
RT: 8.76 min Scan# 1857
Delta R.T. 0.00 min
Lab File: VL037151.D
Acq: 14 Jun 2021 16:11

Tgt Ion: 43 Resp: 3932491
Ion Ratio Lower Upper
43 100
58 35.8 29.0 43.6



Abundance Ion 43.10 (42.80 to 43.80): VL0
1500000
Ion 58.10 (57.80 to 58.80): VL0





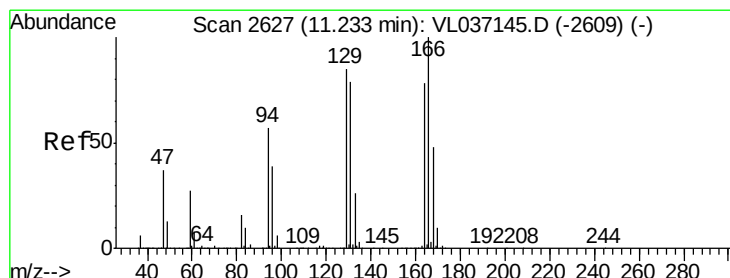
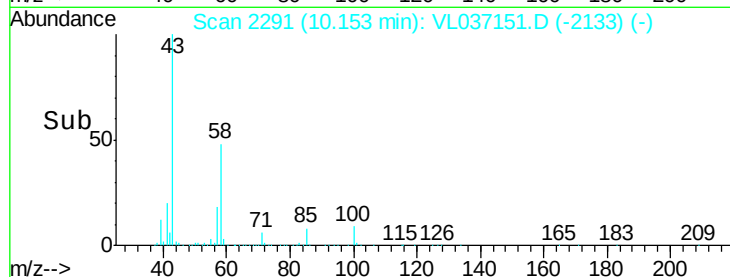
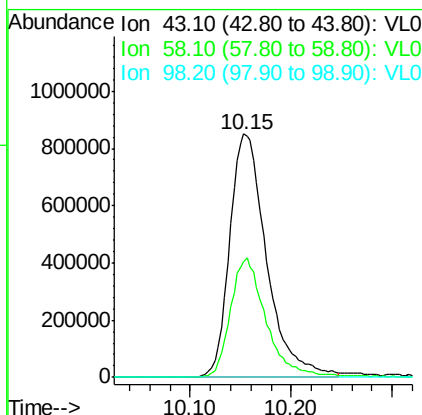
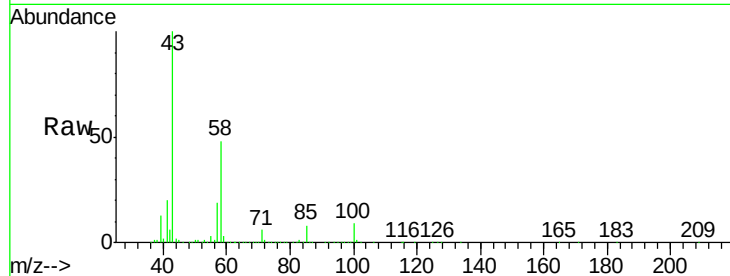
#51
2-Hexanone
Concen: 14.091 ppbv
RT: 10.15 min Scan# 2291
Delta R.T. 0.01 min
Lab File: VL037151.D
Acq: 14 Jun 2021 16:11

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tot Ion: 43 Resp: 2161574
Ion Ratio Lower Upper
43 100
58 47.8 40.1 60.1
98 0.4 0.2 0.4#

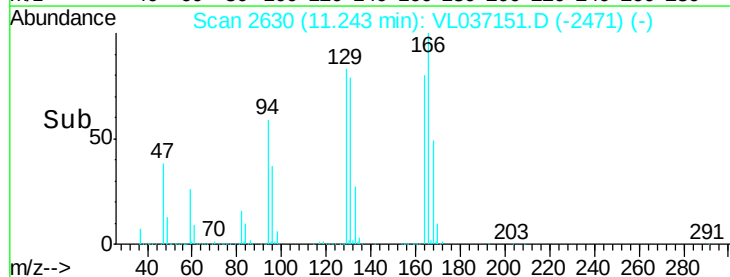
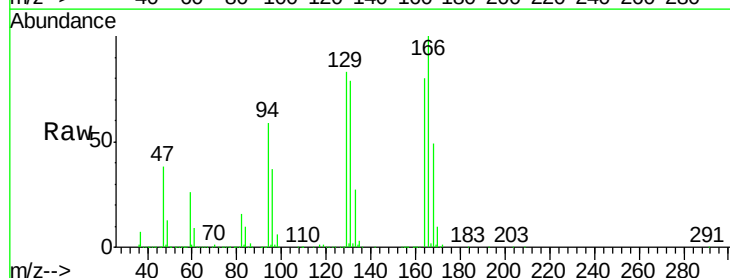
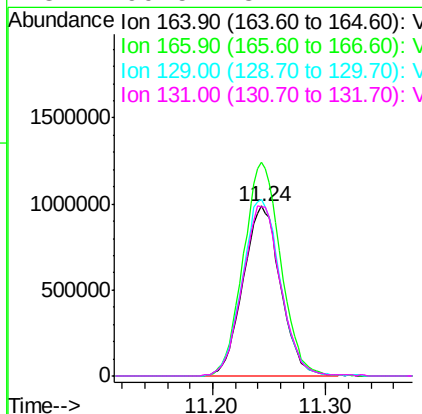
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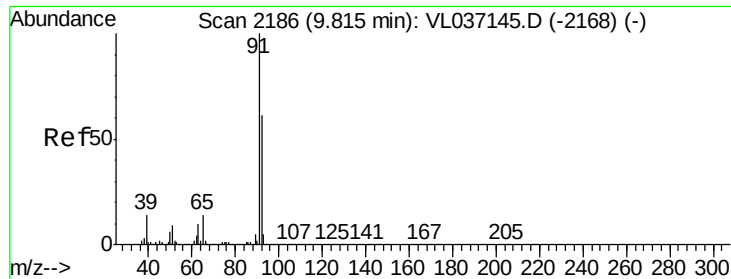
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#52
Tetrachloroethene
Concen: 13.748 ppbv
RT: 11.24 min Scan# 2630
Delta R.T. 0.01 min
Lab File: VL037151.D
Acq: 14 Jun 2021 16:11

Tgt Ion: 164 Resp: 2274095
Ion Ratio Lower Upper
164 100
166 125.6 102.6 154.0
129 103.9 87.4 131.2
131 99.5 81.4 122.2





#53

Toluene

Concen: 13.000 ppbv

RT: 9.83 min Scan# 2189

Delta R.T. 0.01 min

Lab File: VL037151.D

Acq: 14 Jun 2021 16:11

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tot Ion: 91 Resp: 6434738

Ion Ratio Lower Upper

91 100

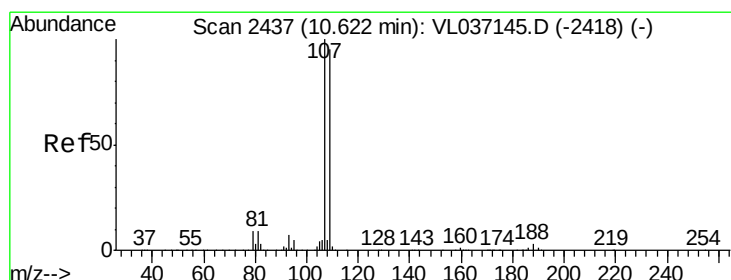
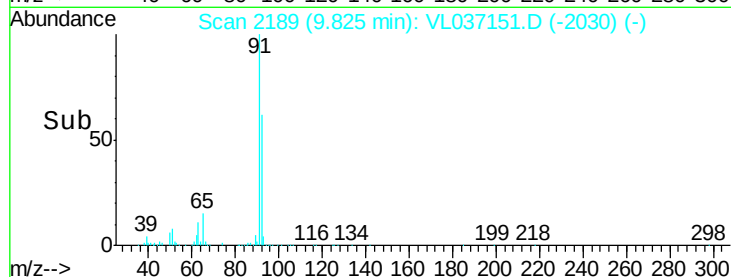
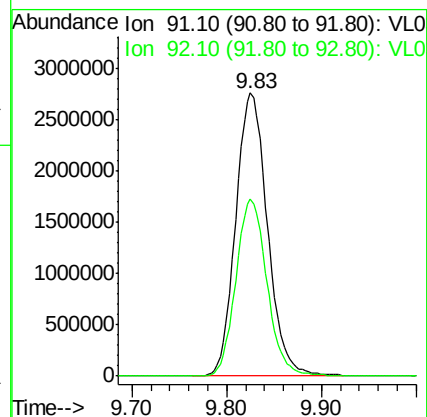
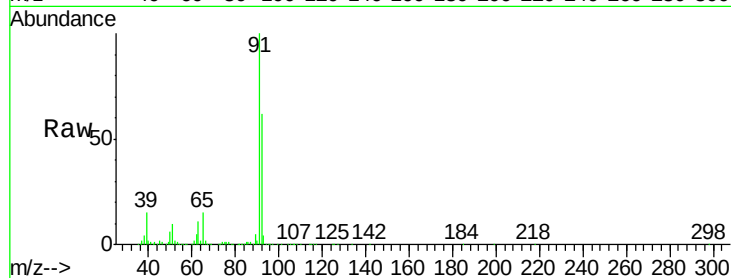
92 61.4 48.6 73.0

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#54

1,2-Dibromoethane

Concen: 14.857 ppbv

RT: 10.63 min Scan# 2440

Delta R.T. 0.01 min

Lab File: VL037151.D

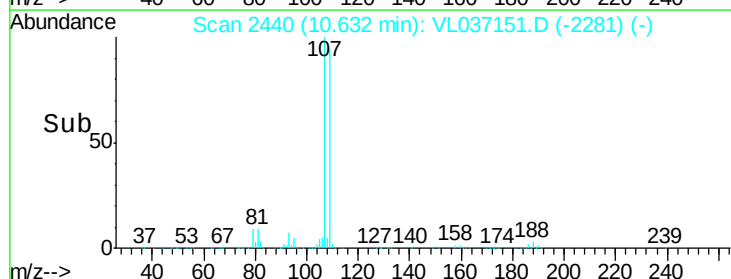
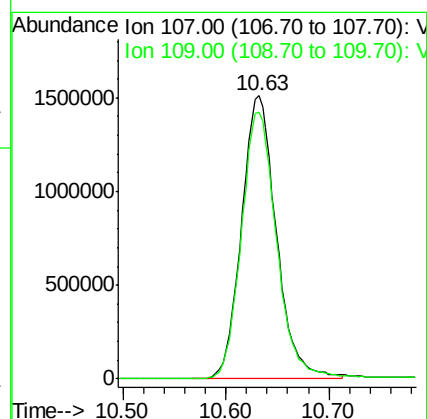
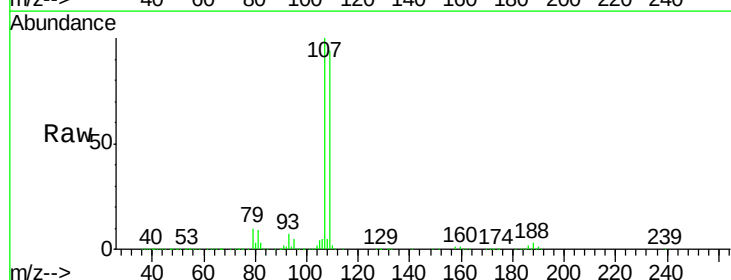
Acq: 14 Jun 2021 16:11

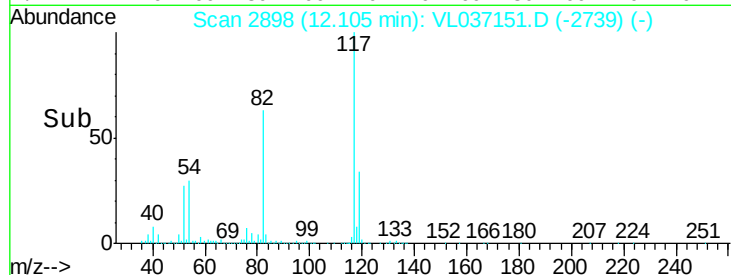
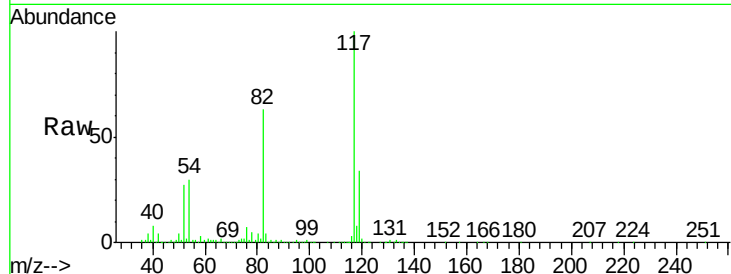
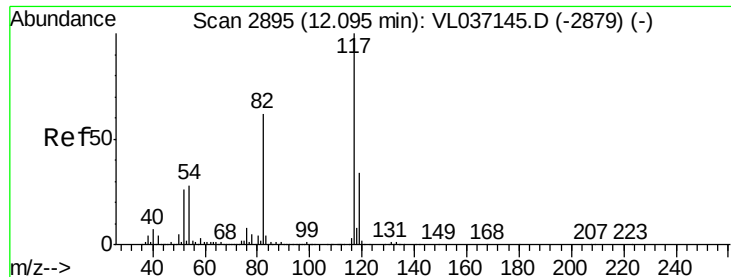
Tgt Ion: 107 Resp: 3542605

Ion Ratio Lower Upper

107 100

109 94.3 75.6 113.4





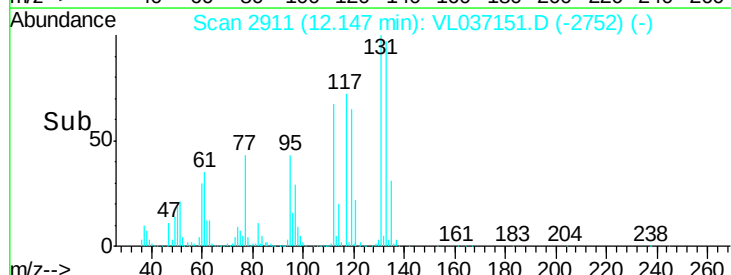
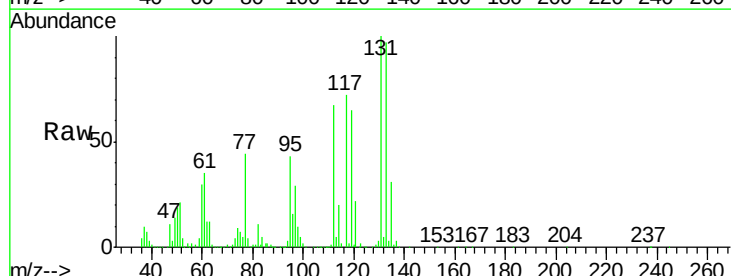
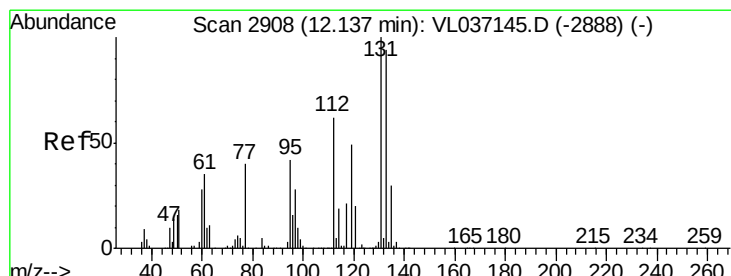
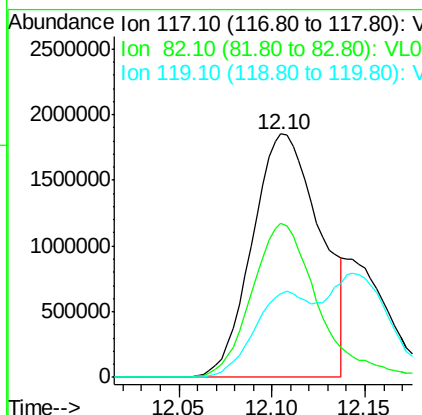
#55
Chlorobenzene-d5
Concen: 10.000 ppbv m
RT: 12.10 min Scan# 2898
Delta R.T. 0.01 min
Lab File: VL037151.D
Acq: 14 Jun 2021 16:11

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tot Ion:117 Resp: 4717207
Ion Ratio Lower Upper
117 100
82 61.6 50.6 76.0
119 69.2 27.1 40.7#

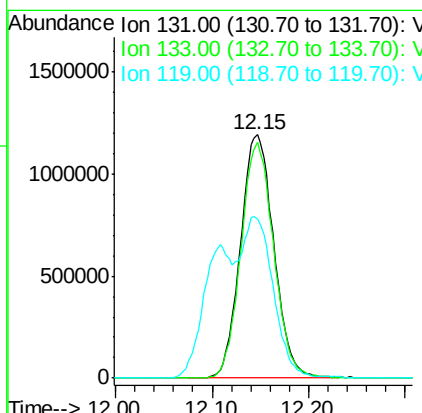
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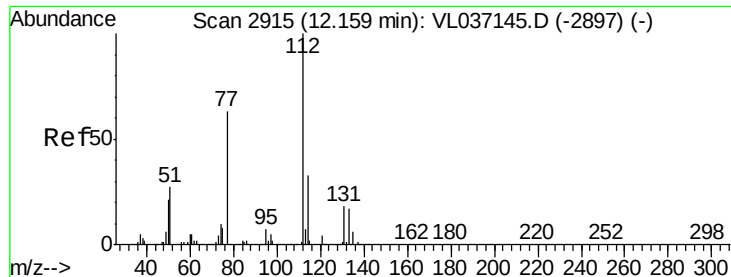
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#56
1,1,1,2-Tetrachloroethane
Concen: 14.424 ppbv
RT: 12.15 min Scan# 2911
Delta R.T. 0.01 min
Lab File: VL037151.D
Acq: 14 Jun 2021 16:11

Tgt Ion:131 Resp: 2862991
Ion Ratio Lower Upper
131 100
133 95.4 76.7 115.1
119 60.4 50.7 76.1





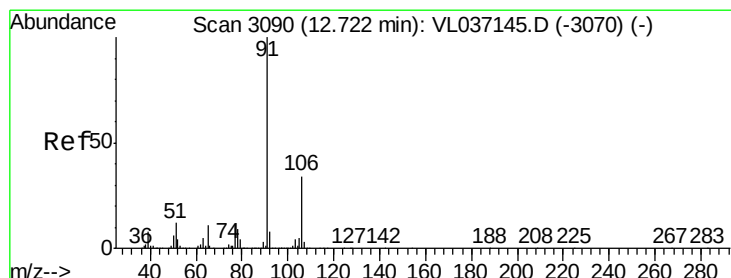
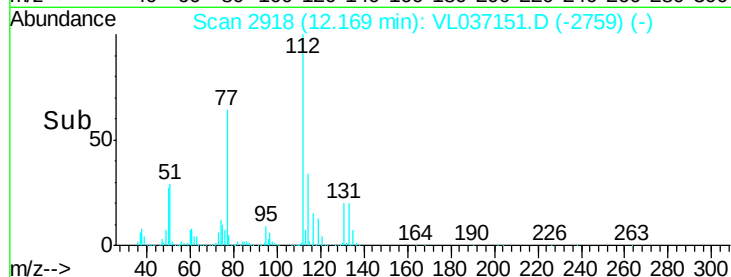
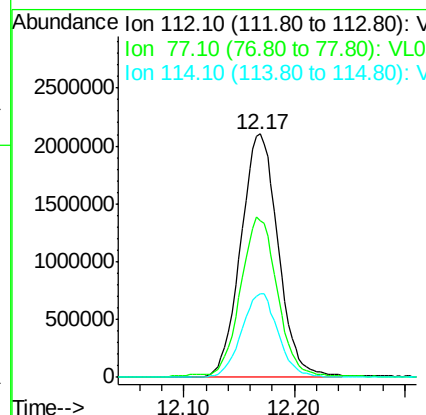
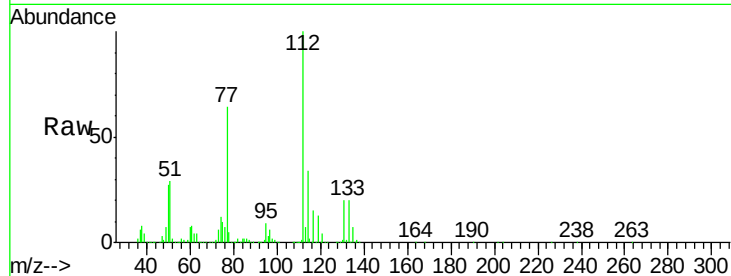
#57
Chlorobenzene
Concen: 13.504 ppbv
RT: 12.17 min Scan# 2918
Delta R.T. 0.01 min
Lab File: VL037151.D
Acq: 14 Jun 2021 16:11

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tot Ion: 112 Resp: 4939338
Ion Ratio Lower Upper
112 100
77 63.8 51.4 77.2
114 34.0 29.7 36.3

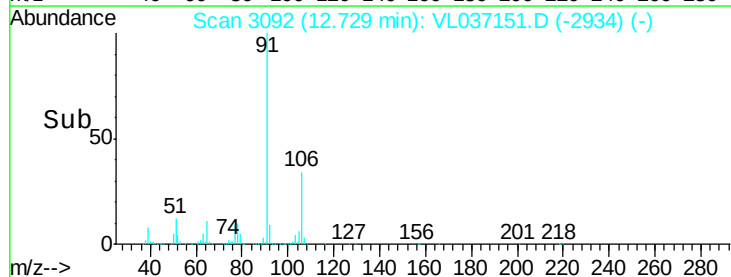
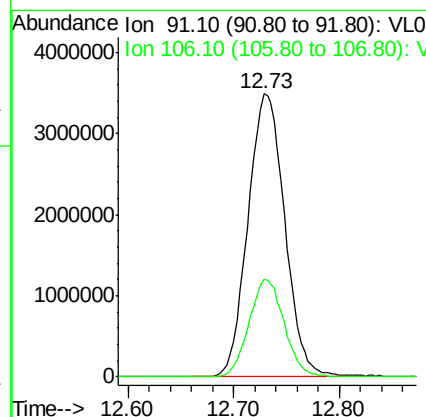
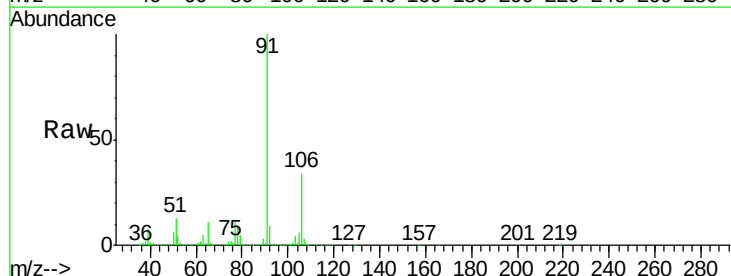
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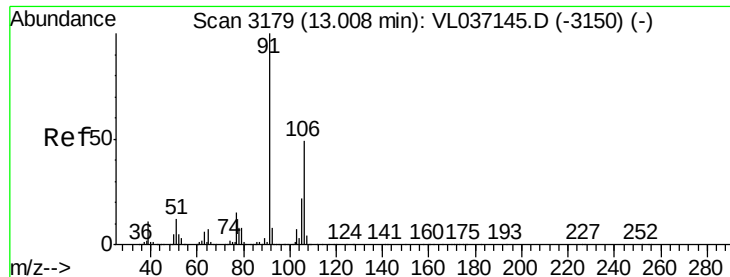
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#58
Ethyl Benzene
Concen: 12.719 ppbv
RT: 12.73 min Scan# 3092
Delta R.T. 0.01 min
Lab File: VL037151.D
Acq: 14 Jun 2021 16:11

Tgt Ion: 91 Resp: 8468115
Ion Ratio Lower Upper
91 100
106 34.4 26.8 40.2





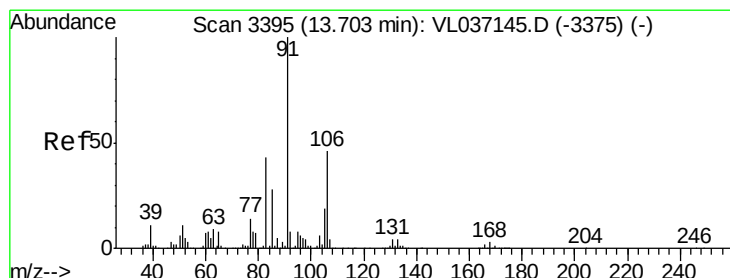
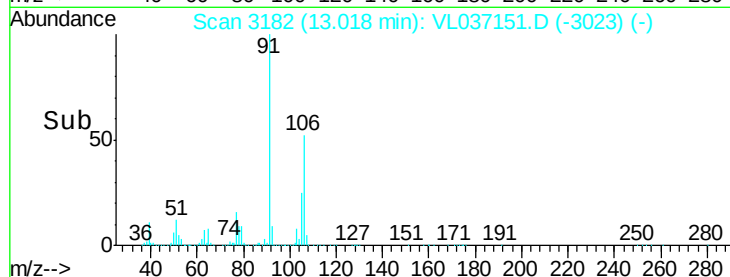
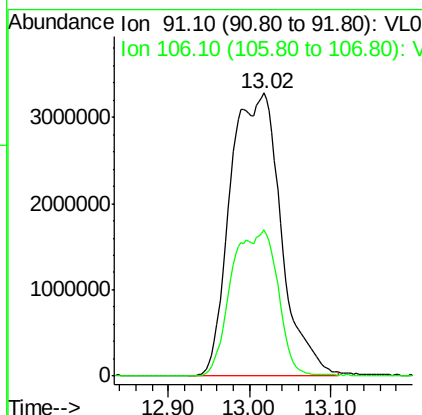
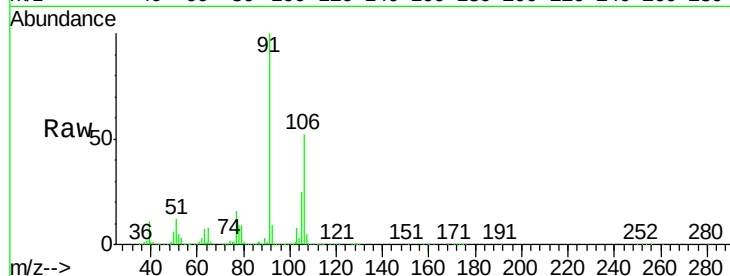
#59
m/p-Xylene
Concen: 25.824 ppbv m
RT: 13.02 min Scan# 3182
Delta R.T. 0.01 min
Lab File: VL037151.D
Acq: 14 Jun 2021 16:11

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tot Ion: 91 Resp:14211722
Ion Ratio Lower Upper
91 100
106 47.3 36.9 55.3

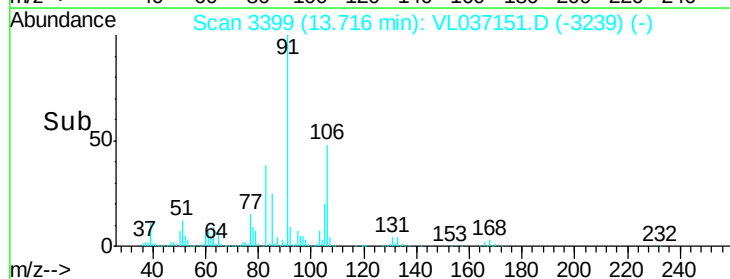
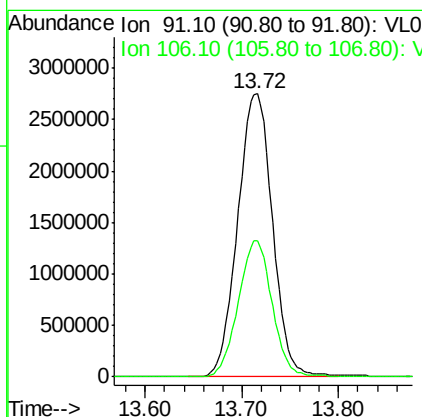
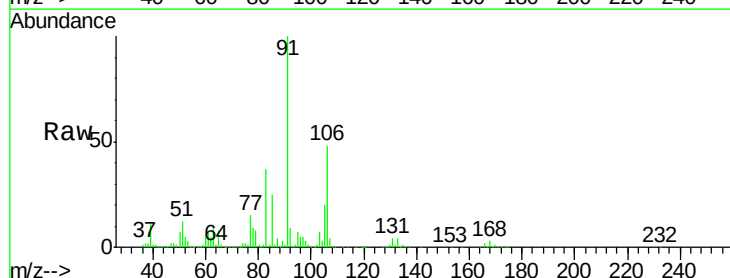
Manual Integrations
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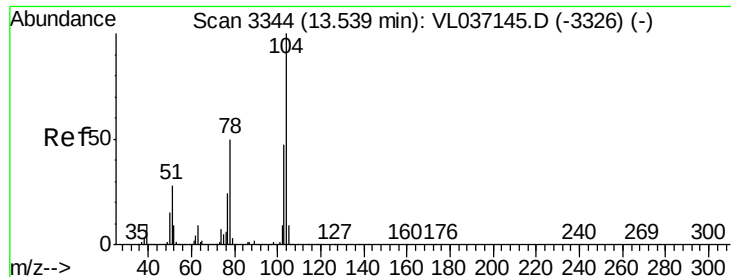
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#60
o-Xylene
Concen: 13.076 ppbv
RT: 13.72 min Scan# 3399
Delta R.T. 0.01 min
Lab File: VL037151.D
Acq: 14 Jun 2021 16:11

Tgt Ion: 91 Resp: 6863086
Ion Ratio Lower Upper
91 100
106 47.1 23.1 69.3





#61

Stvrene

Concen: 14.058 ppbv

RT: 13.55 min Scan# 3347

Delta R.T. 0.01 min

Lab File: VL037151.D

Acq: 14 Jun 2021 16:11

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tot Ion:104 Resp: 4156925

Ion Ratio Lower Upper

104 100

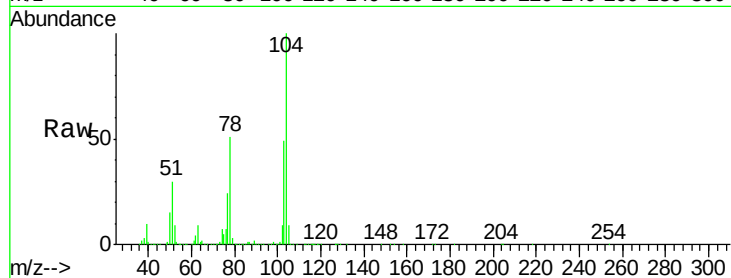
78 51.2 40.9 61.3

103 48.5 38.6 58.0

Manual Integrations
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MMDadoda

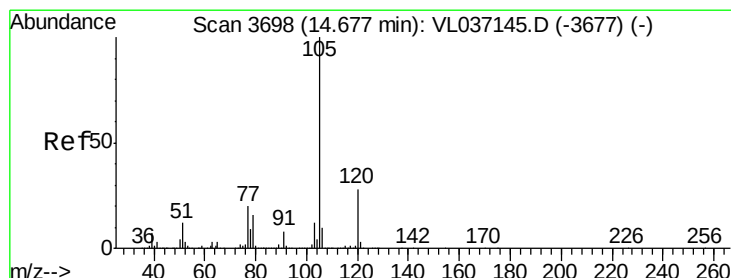
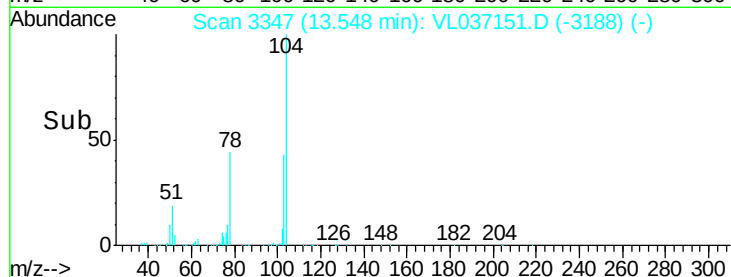
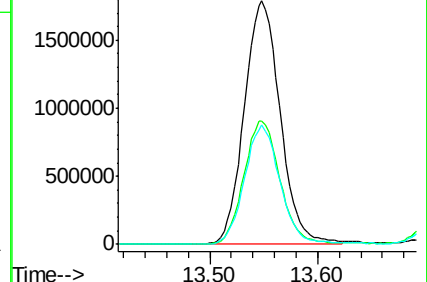
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Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VL0

Ion 103.10 (102.80 to 103.80): V



#62

Isopropylbenzene

Concen: 12.504 ppbv

RT: 14.69 min Scan# 3701

Delta R.T. 0.01 min

Lab File: VL037151.D

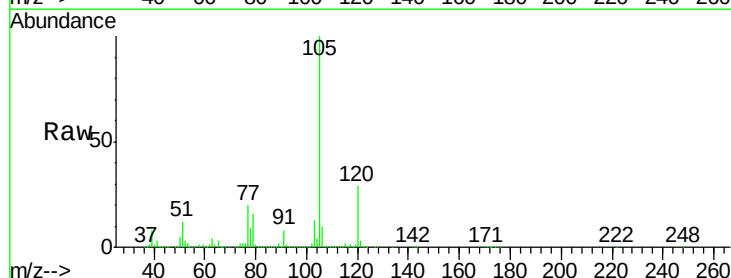
Acq: 14 Jun 2021 16:11

Tgt Ion:105 Resp: 9432061

Ion Ratio Lower Upper

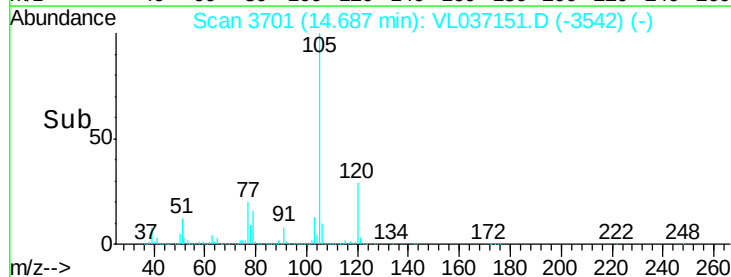
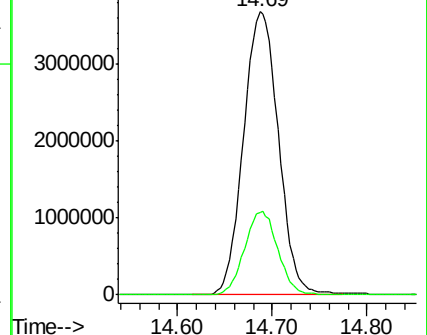
105 100

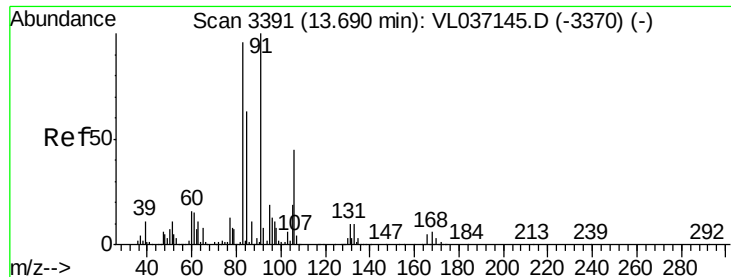
120 28.3 21.8 32.6



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V





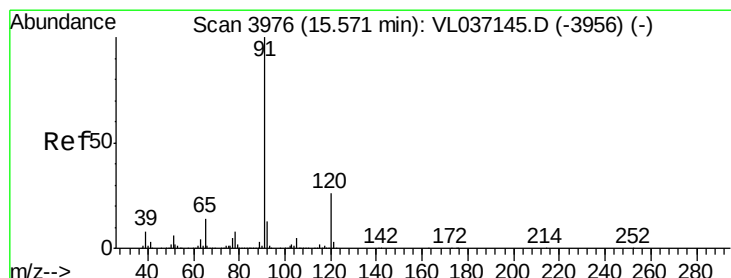
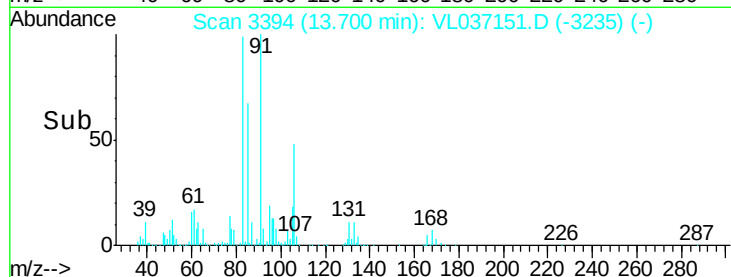
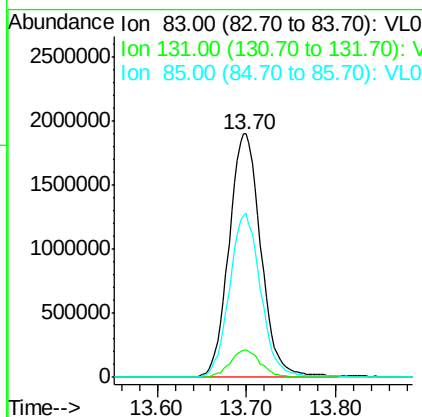
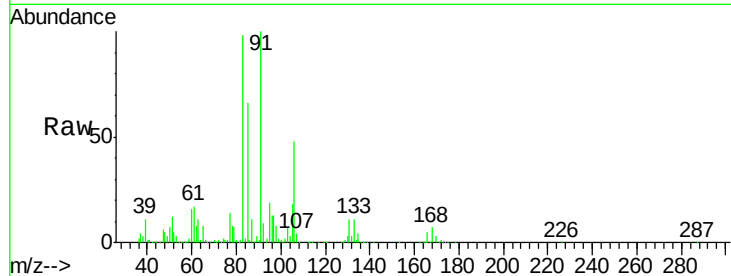
#63
 1,1,2,2-Tetrachloroethane
 Concen: 12.027 ppbv
 RT: 13.70 min Scan# 3394
 Delta R.T. 0.01 min
 Lab File: VL037151.D
 Acq: 14 Jun 2021 16:11

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

Tot Ion: 83 Resp: 4714718
 Ion Ratio Lower Upper
 83 100
 131 10.9 5.4 16.2
 85 66.9 33.3 99.9

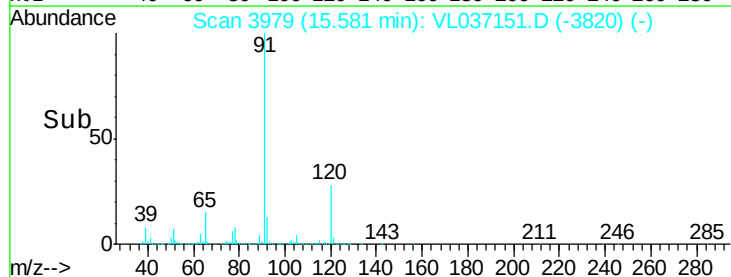
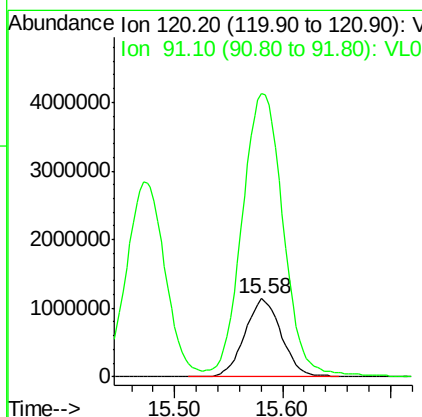
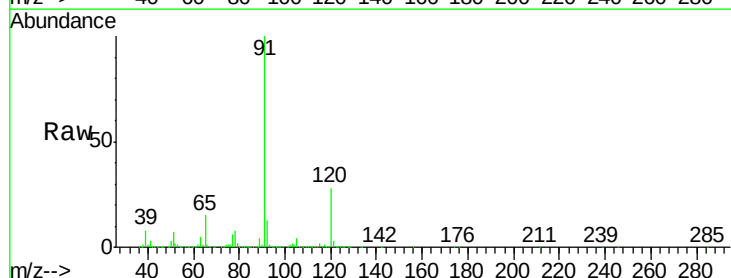
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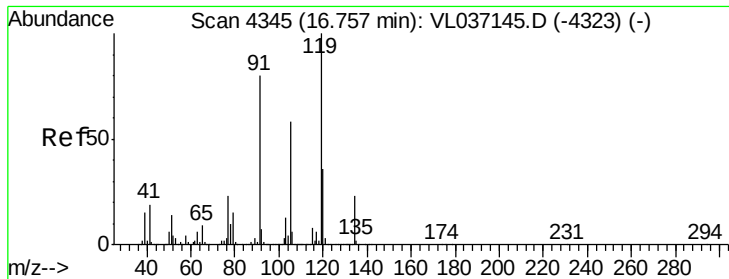
MMDadoda
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#64
 n-propylbenzene
 Concen: 13.794 ppbv
 RT: 15.58 min Scan# 3979
 Delta R.T. 0.01 min
 Lab File: VL037151.D
 Acq: 14 Jun 2021 16:11

Tgt Ion: 120 Resp: 2684594
 Ion Ratio Lower Upper
 120 100
 91 408.1 342.2 513.4





#65

tert-Butylbenzene

Concen: 12.693 ppbv

RT: 16.76 min Scan# 4347

Delta R.T. 0.01 min

Lab File: VL037151.D

Acq: 14 Jun 2021 16:11

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tot Ion:119 Resp: 8639834

Ion Ratio Lower Upper

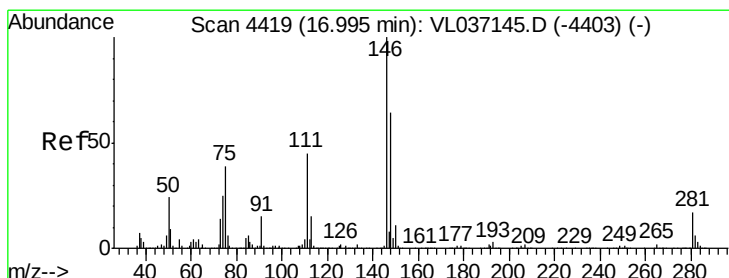
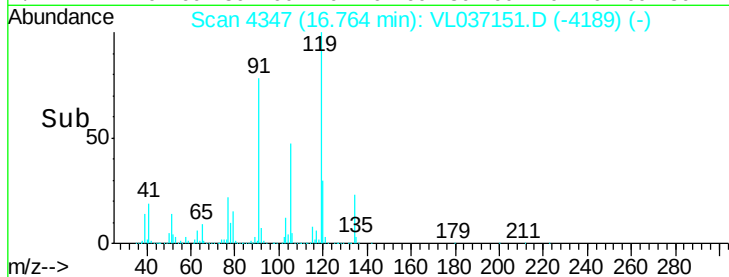
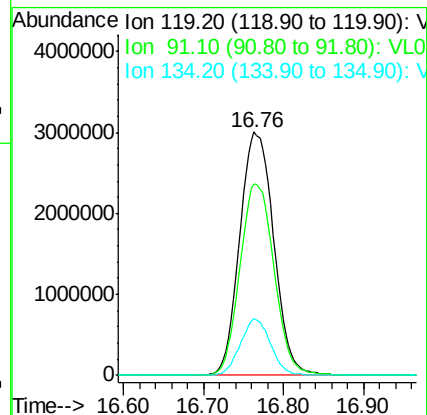
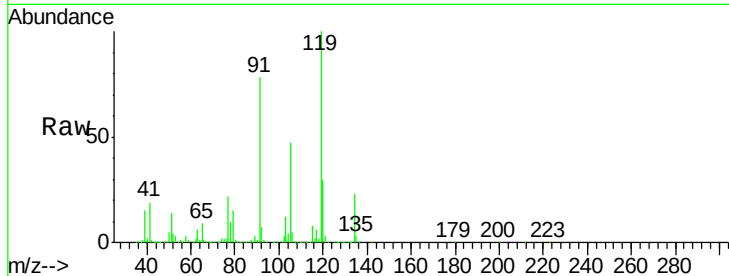
119 100

91 79.2 62.8 94.2

134 20.7 16.5 24.7

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#66

Benzyl Chloride

Concen: 13.626 ppbv

RT: 17.00 min Scan# 4422

Delta R.T. 0.01 min

Lab File: VL037151.D

Acq: 14 Jun 2021 16:11

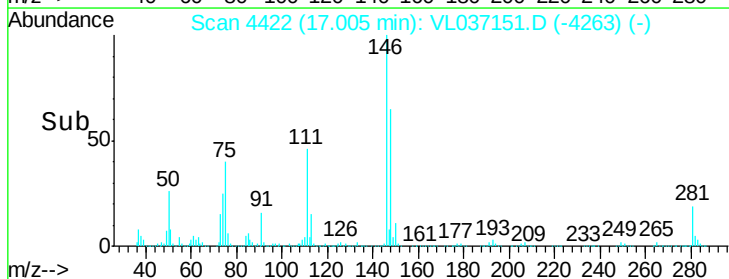
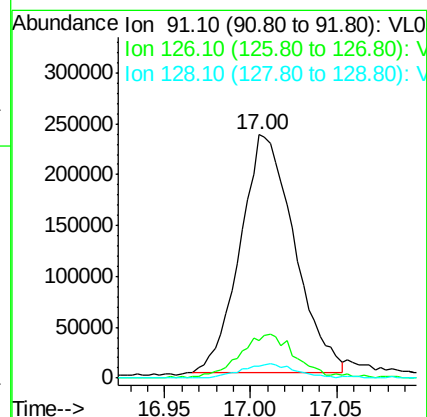
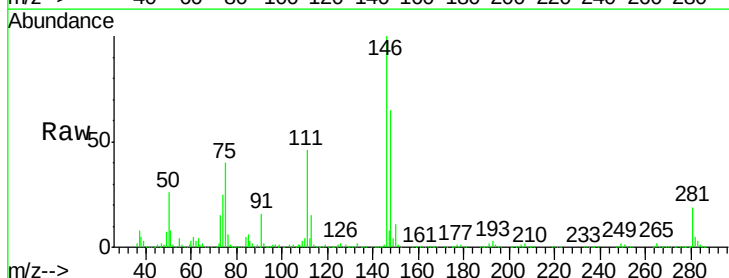
Tgt Ion: 91 Resp: 514609

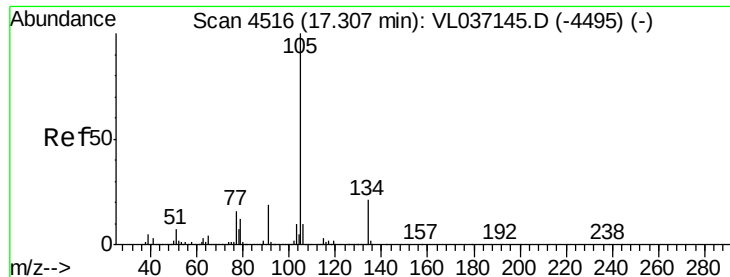
Ion Ratio Lower Upper

91 100

126 19.7 16.4 24.6

128 6.5 5.7 8.5





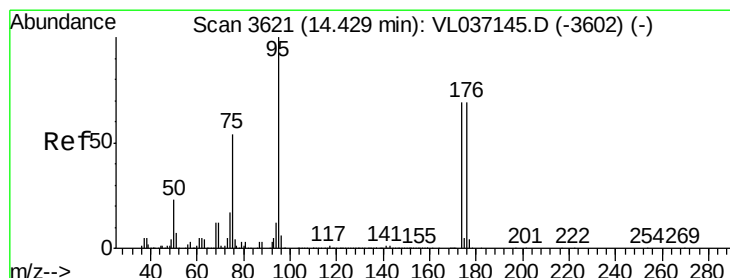
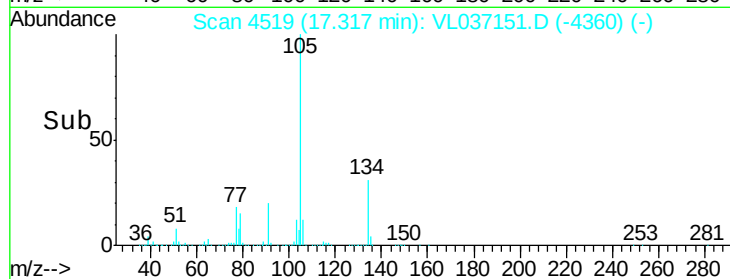
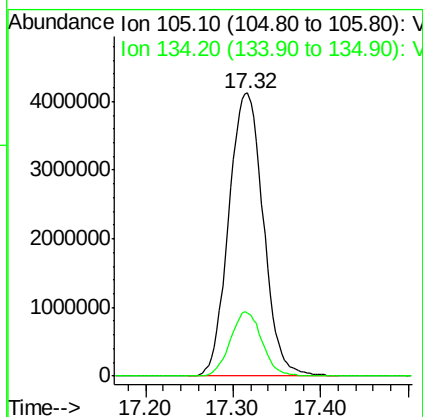
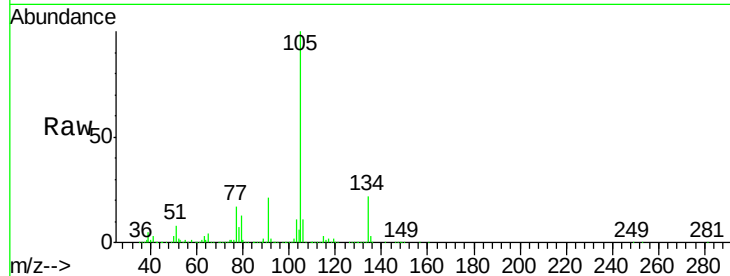
#67
 sec-Butylbenzene
 Concen: 12.130 ppbv
 RT: 17.32 min Scan# 4519
 Delta R.T. 0.01 min
 Lab File: VL037151.D
 Acq: 14 Jun 2021 16:11

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

Tot Ion:105 Resp:11263477
 Ion Ratio Lower Upper
 105 100
 134 21.0 16.0 24.0

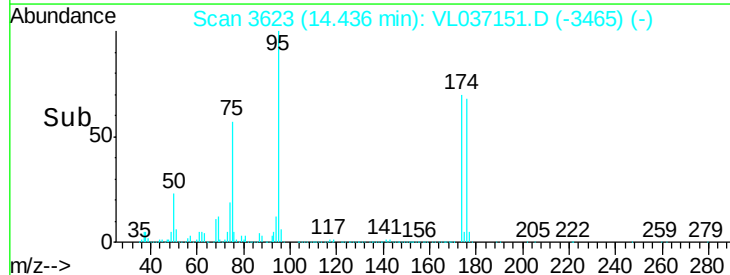
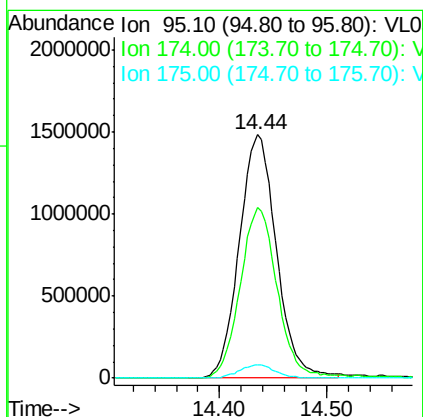
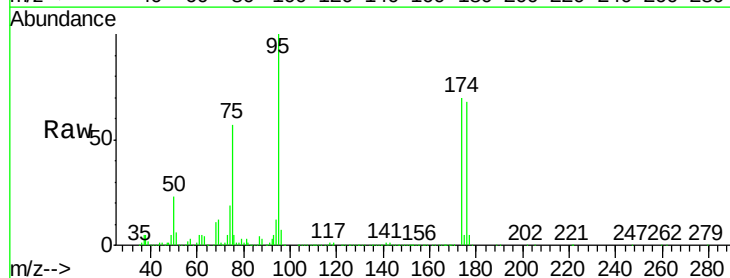
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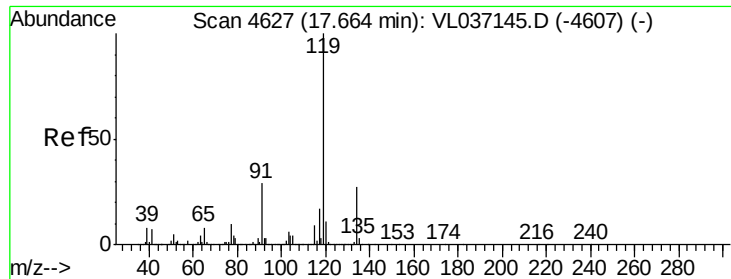
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#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.044 ppbv
 RT: 14.44 min Scan# 3623
 Delta R.T. 0.01 min
 Lab File: VL037151.D
 Acq: 14 Jun 2021 16:11

Tgt Ion: 95 Resp: 3559282
 Ion Ratio Lower Upper
 95 100
 174 70.9 57.6 86.4
 175 5.4 4.4 6.6





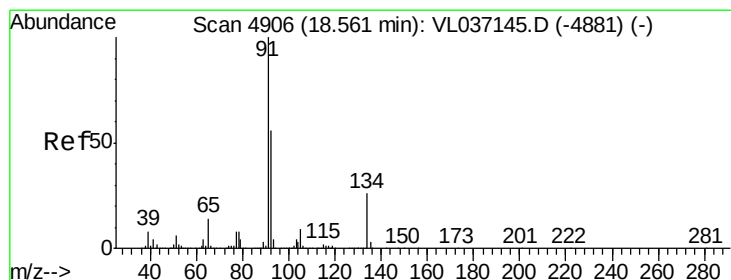
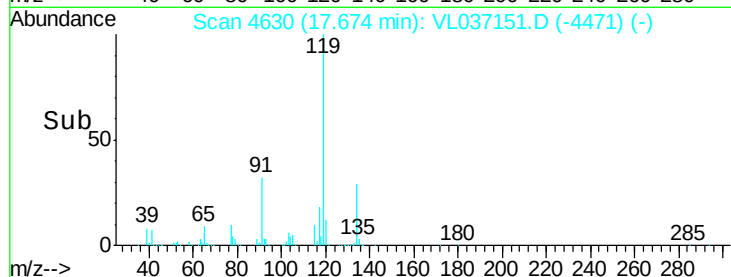
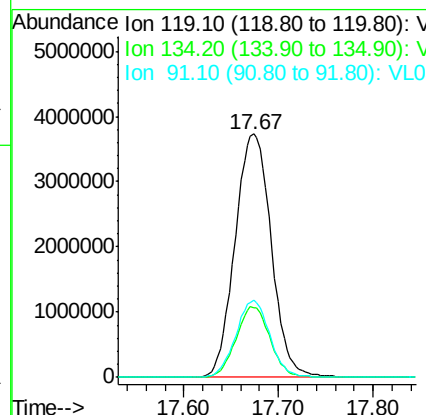
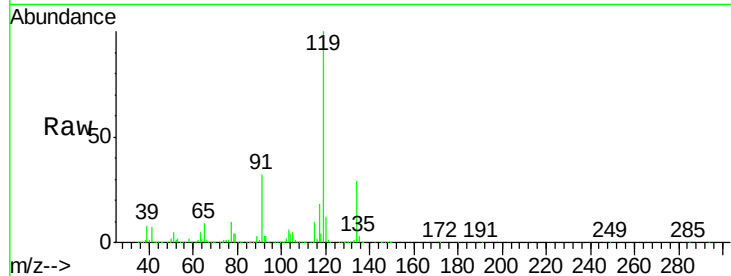
#69
 p-Isopropyltoluene
 Concen: 12.398 ppbv
 RT: 17.67 min Scan# 4630
 Delta R.T. 0.01 min
 Lab File: VL037151.D
 Acq: 14 Jun 2021 16:11

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

Tot Ion	Ratio	Lower	Upper
119	100		
134	27.4	21.2	31.8
91	29.6	22.9	34.3

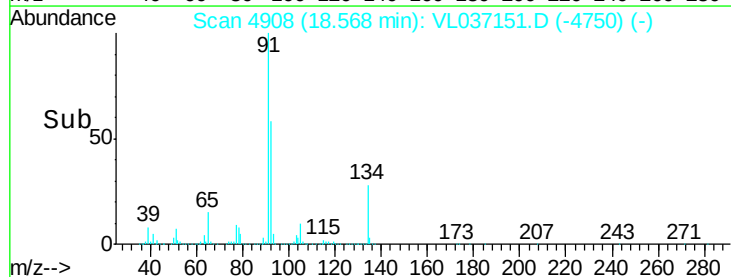
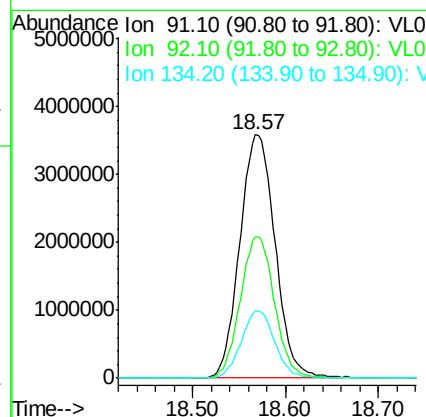
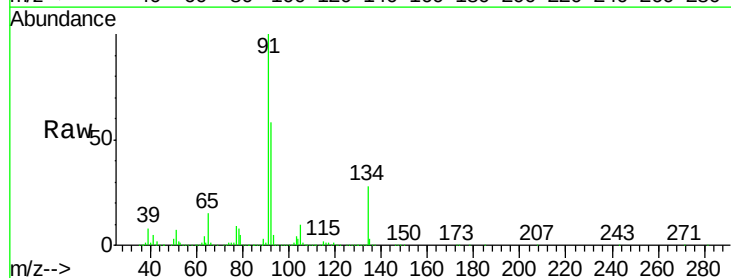
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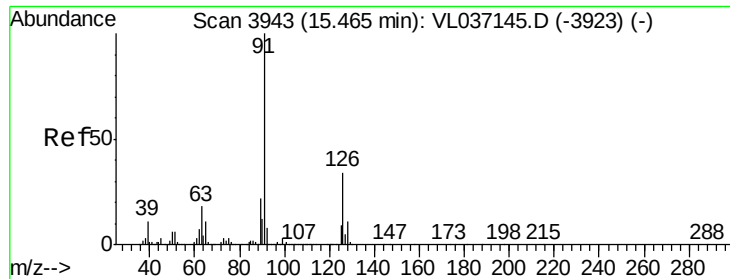
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#70
 n-Butylbenzene
 Concen: 12.475 ppbv
 RT: 18.57 min Scan# 4908
 Delta R.T. 0.01 min
 Lab File: VL037151.D
 Acq: 14 Jun 2021 16:11

Tgt Ion	Ratio	Lower	Upper
91	100		
92	56.5	44.0	66.0
134	26.3	20.4	30.6





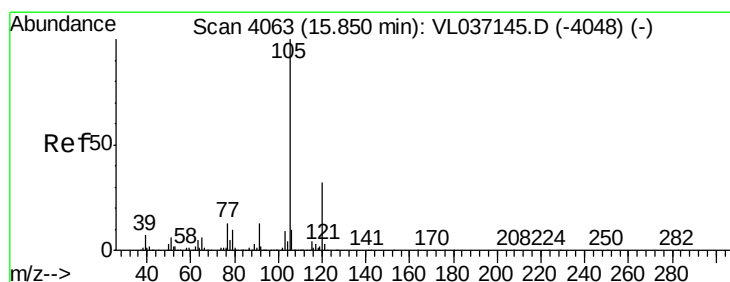
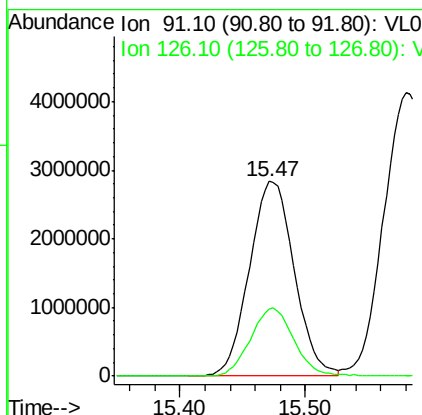
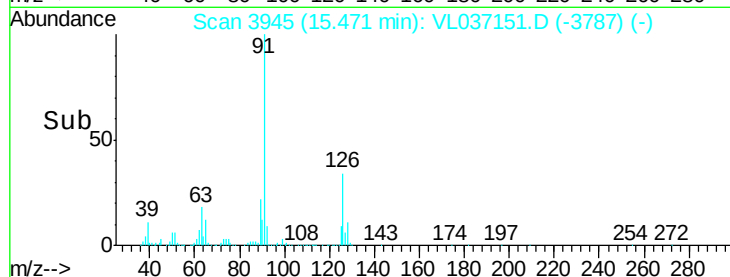
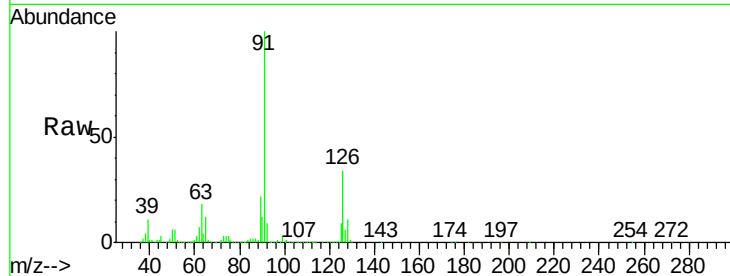
#71
 2-Chlorotoluene
 Concen: 12.963 ppbv
 RT: 15.47 min Scan# 3945
 Delta R.T. 0.01 min
 Lab File: VL037151.D
 Acq: 14 Jun 2021 16:11

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

Tot Ion: 91 Resp: 7062406
 Ion Ratio Lower Upper
 91 100
 126 34.5 13.4 53.6

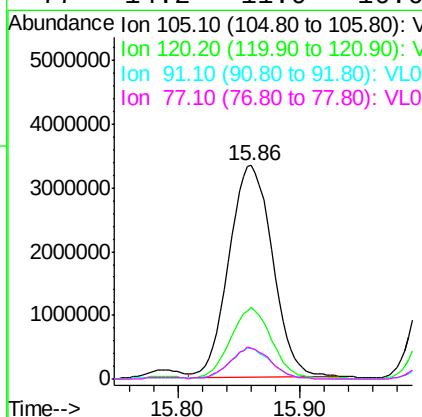
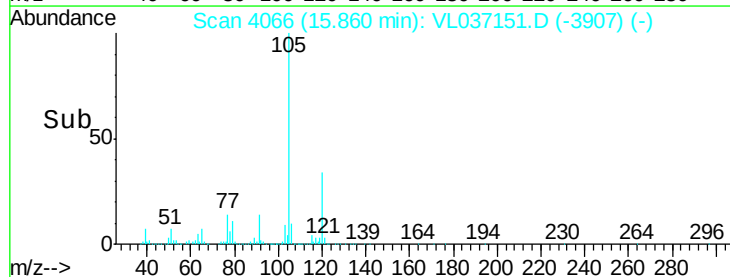
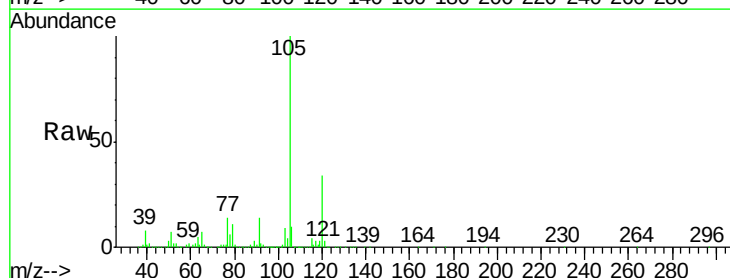
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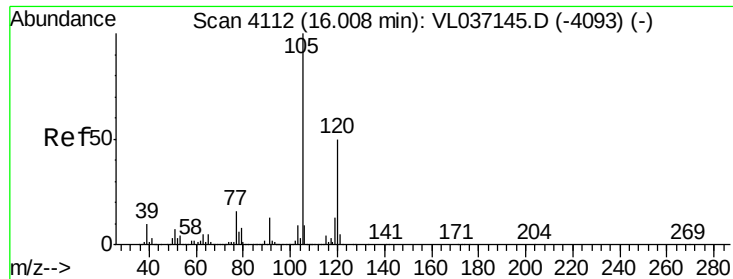
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#72
 4-Ethyltoluene
 Concen: 13.259 ppbv
 RT: 15.86 min Scan# 4066
 Delta R.T. 0.01 min
 Lab File: VL037151.D
 Acq: 14 Jun 2021 16:11

Tgt Ion: 105 Resp: 8259892
 Ion Ratio Lower Upper
 105 100
 120 32.3 25.1 37.7
 91 13.5 10.3 15.5
 77 14.2 11.0 16.6





#73

1,3,5-Trimethylbenzene

Concen: 13.026 ppbv

RT: 16.02 min Scan# 4115

Delta R.T. 0.01 min

Lab File: VL037151.D

Acq: 14 Jun 2021 16:11

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tot Ion:105 Resp: 7619999

Ion Ratio Lower Upper

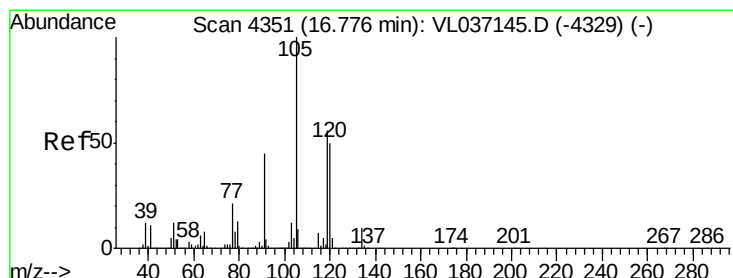
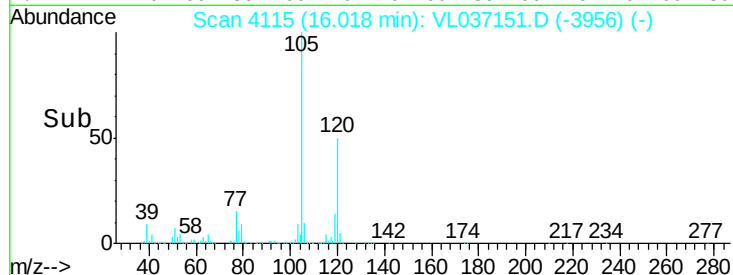
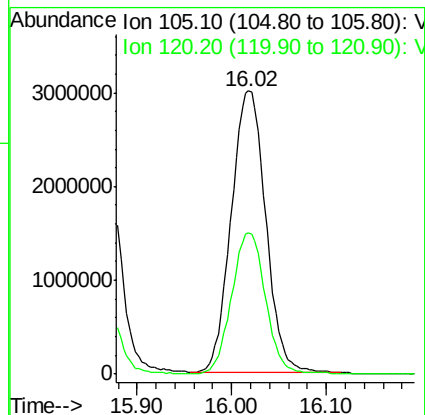
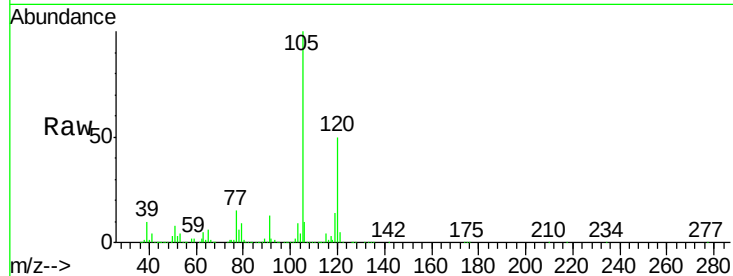
105 100

120 49.9 39.7 59.5

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#74

1,2,4-Trimethylbenzene

Concen: 12.897 ppbv

RT: 16.79 min Scan# 4354

Delta R.T. 0.01 min

Lab File: VL037151.D

Acq: 14 Jun 2021 16:11

Tgt Ion:105 Resp: 7800871

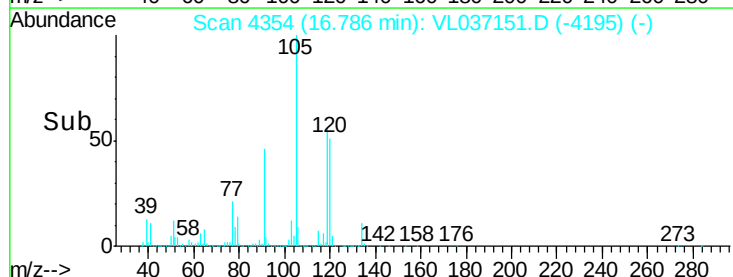
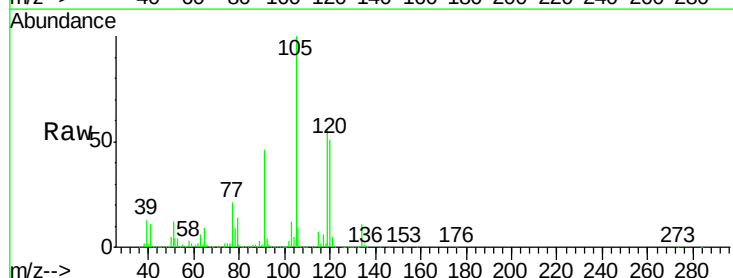
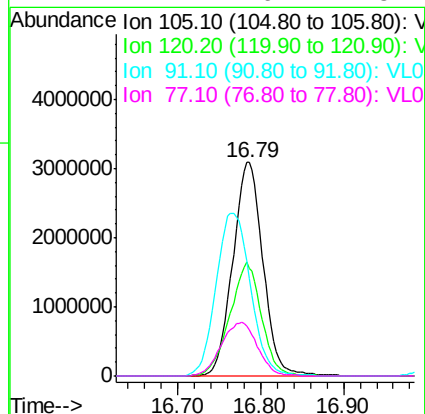
Ion Ratio Lower Upper

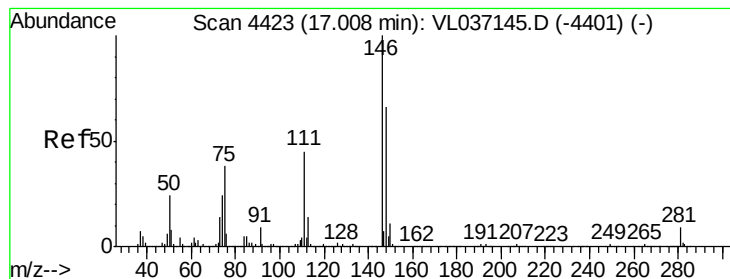
105 100

120 50.4 39.7 59.5

91 45.4 35.8 53.8

77 21.4 16.7 25.1





#75

1,3-Dichlorobenzene

Concen: 13.574 ppbv

RT: 17.02 min Scan# 4426

Delta R.T. 0.01 min

Lab File: VL037151.D

Acq: 14 Jun 2021 16:11

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tot Ion:146 Resp: 5013580

Ion Ratio Lower Upper

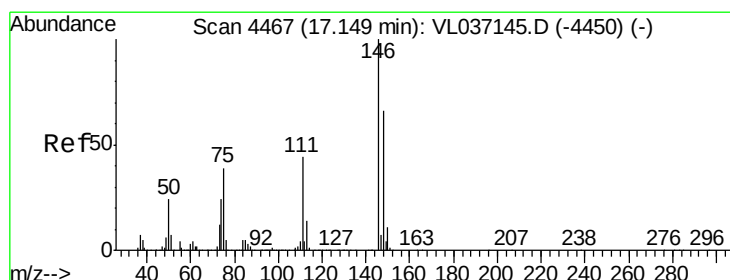
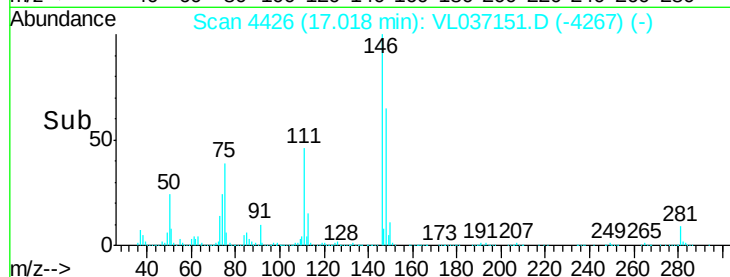
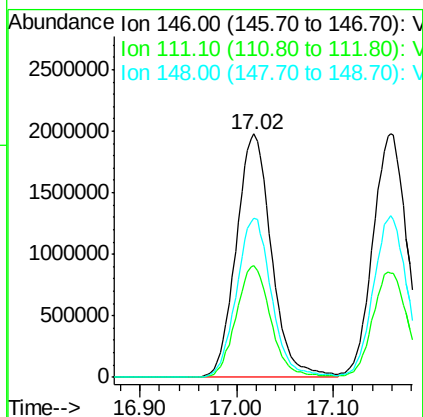
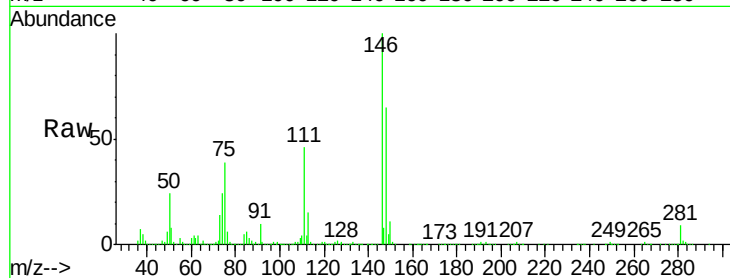
146 100

111 45.3 22.4 67.2

148 64.9 32.3 96.9

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#76

1,4-Dichlorobenzene

Concen: 13.054 ppbv

RT: 17.16 min Scan# 4470

Delta R.T. 0.01 min

Lab File: VL037151.D

Acq: 14 Jun 2021 16:11

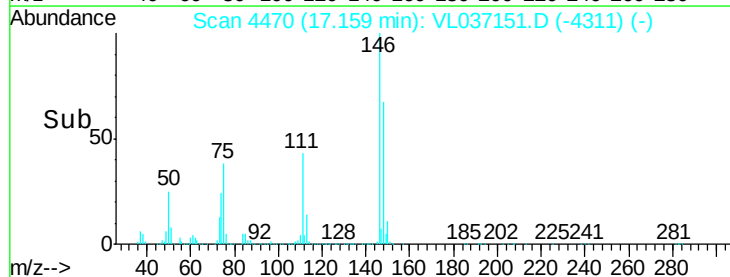
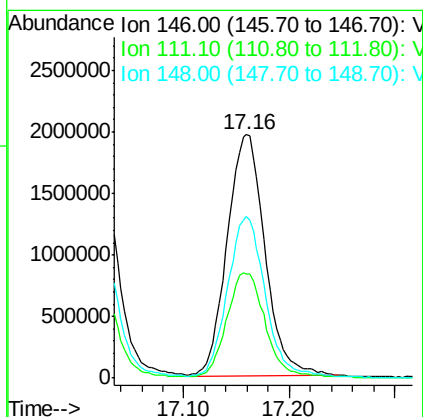
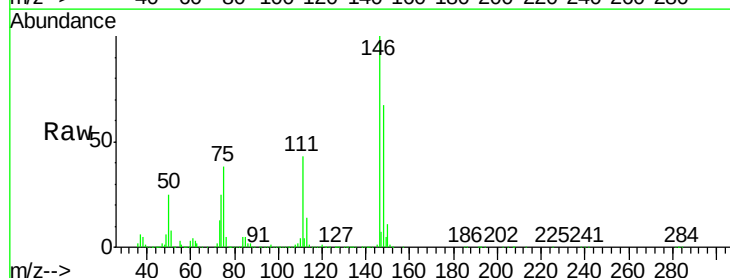
Tgt Ion:146 Resp: 4875041

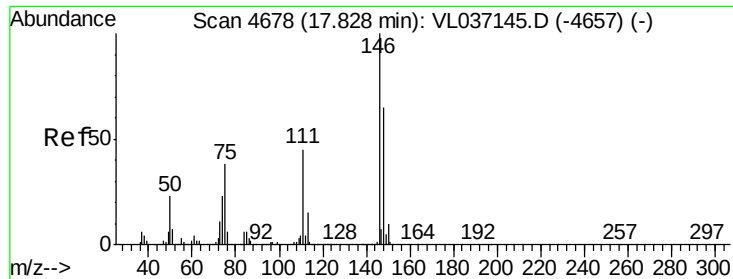
Ion Ratio Lower Upper

146 100

111 45.3 21.9 65.5

148 66.7 32.4 97.0





#77

1,2-Dichlorobenzene

Concen: 13.026 ppbv

RT: 17.84 min Scan# 4681

Delta R.T. 0.01 min

Lab File: VL037151.D

Acq: 14 Jun 2021 16:11

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tot Ion:146 Resp: 4821043

Ion Ratio Lower Upper

146 100

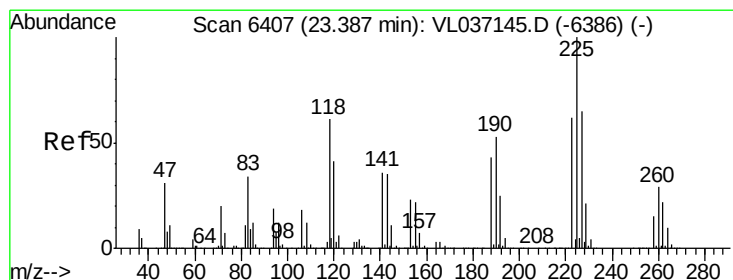
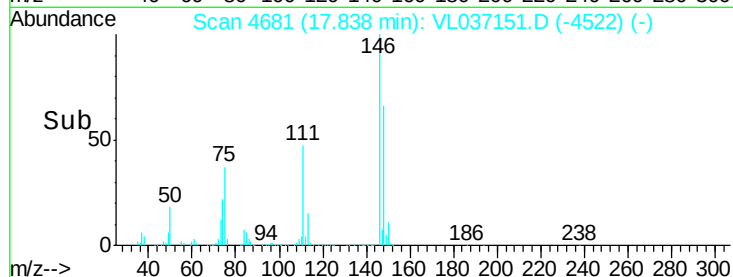
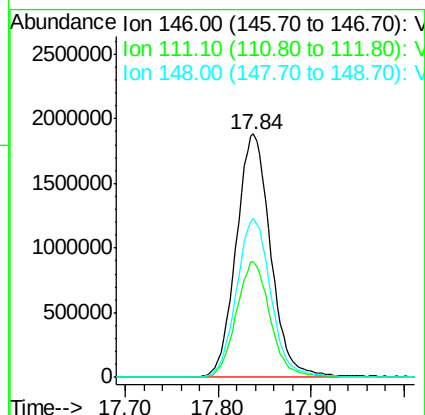
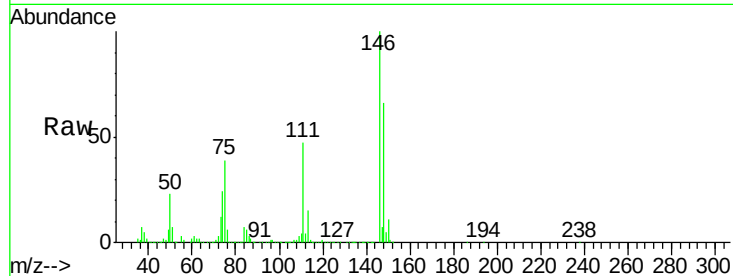
111 46.8 23.1 69.3

148 65.5 32.5 97.5

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#78

Hexachloro-1,3-Butadiene

Concen: 10.286 ppbv

RT: 23.40 min Scan# 6410

Delta R.T. 0.01 min

Lab File: VL037151.D

Acq: 14 Jun 2021 16:11

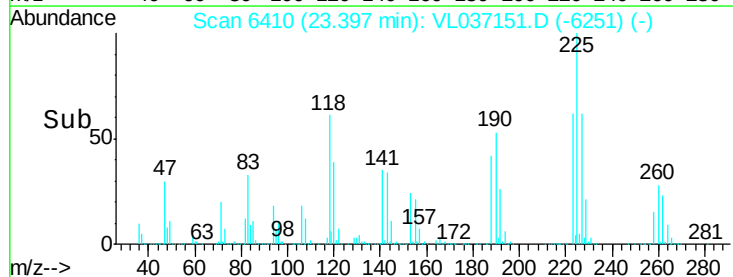
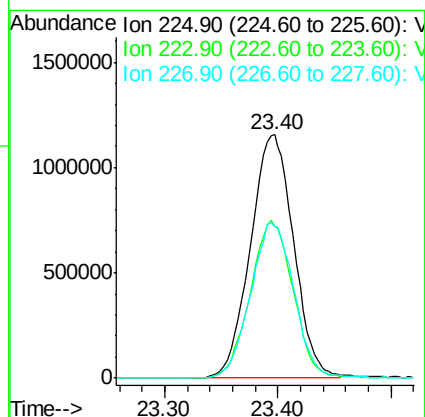
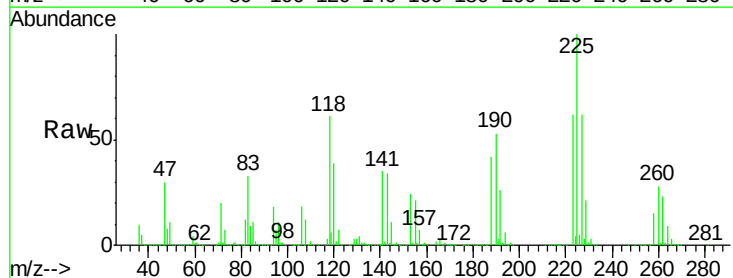
Tgt Ion:225 Resp: 3061088

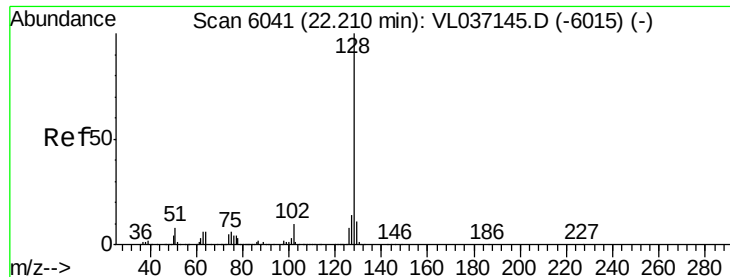
Ion Ratio Lower Upper

225 100

223 64.8 52.2 78.2

227 64.5 51.5 77.3





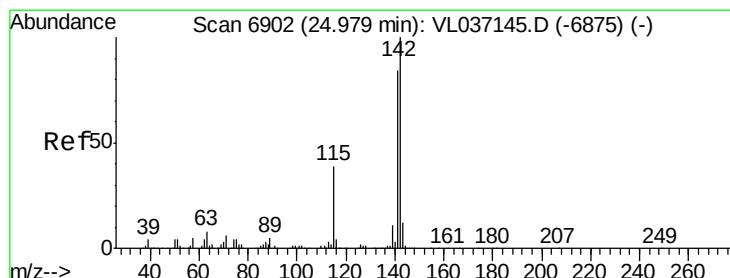
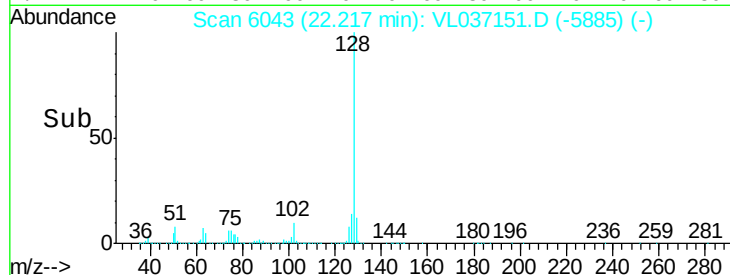
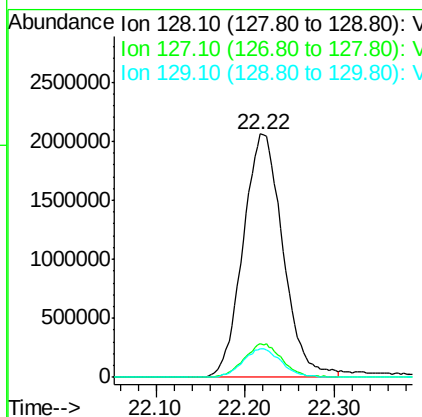
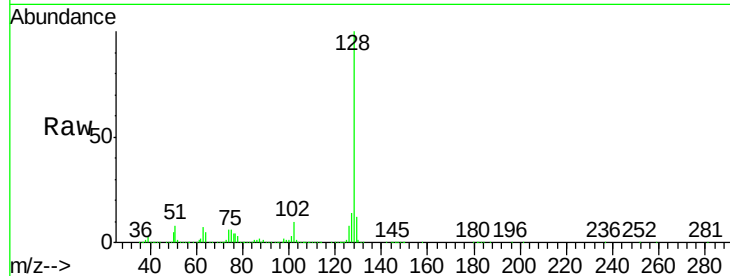
#79
Naphthalene
Concen: 13.499 ppbv
RT: 22.22 min Scan# 6043
Delta R.T. 0.01 min
Lab File: VL037151.D
Acq: 14 Jun 2021 16:11

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tot Ion	Ratio	Lower	Upper
128	100		
127	14.0	10.9	16.3
129	11.7	9.0	13.4

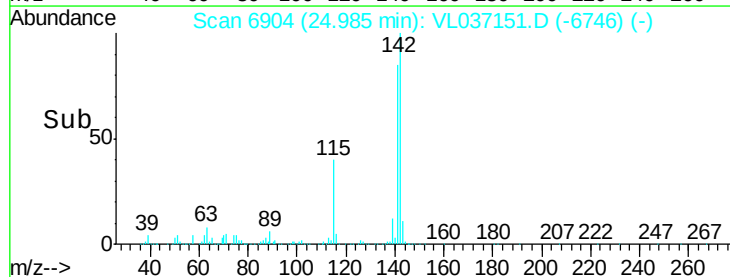
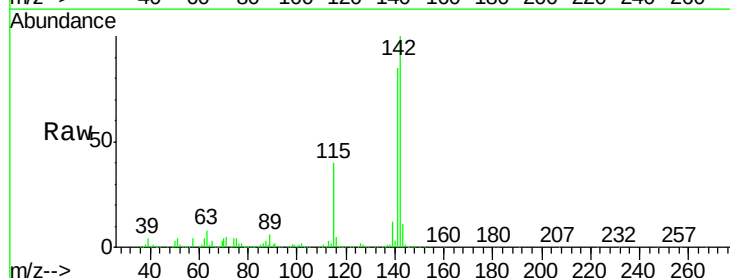
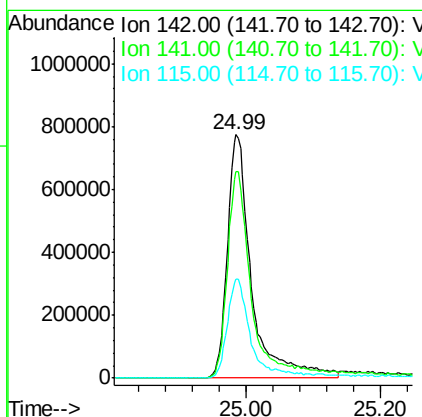
Manual Integrations
APPROVED

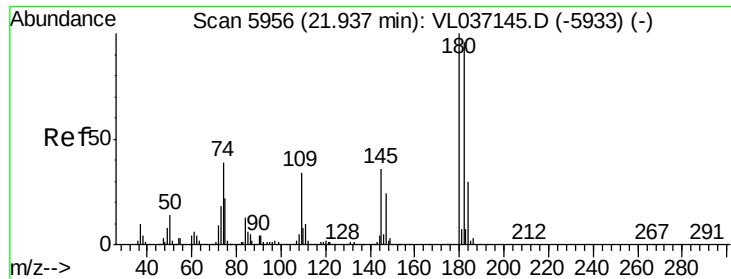
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#80
Naphthalene, 2-methyl-
Concen: 18.887 ppbv
RT: 24.99 min Scan# 6904
Delta R.T. 0.01 min
Lab File: VL037151.D
Acq: 14 Jun 2021 16:11

Tgt Ion	Ratio	Lower	Upper
142	100		
141	88.8	66.7	100.1
115	39.4	32.2	48.2





#81
 1,2,4-Trichlorobenzene
 Concen: 12.595 ppbv
 RT: 21.95 min Scan# 5960
 Delta R.T. 0.01 min
 Lab File: VL037151.D
 Acq: 14 Jun 2021 16:11

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

Tot Ion	Ratio	Lower	Upper
180	100		
182	99.6	79.8	119.6
184	31.6	25.1	37.7

Manual Integrations
 APPROVED

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