

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL061421\
 Data File : VL037146.D
 Acq On : 14 Jun 2021 13:01
 Operator : SY/AP
 Sample : VSTDIC002
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Manual Integrations
 APPROVED

MMDadoda
 6/15/2021 5:17:06 PM

Quant Time: Jun 14 14:11:48 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL061421AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue May 18 2021
 QLast Update : Tue May 18 12:00:15 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	1575657	10.00	ppbv	0.03
33) 1,4-Difluorobenzene	7.18	114	4590487	10.00	ppbv	0.03
55) Chlorobenzene-d5	12.10	117	4398387	10.00	ppbv	0.03

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.43	95	3166196	9.58	ppbv	0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	95.80%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.05	85	475839	1.780 ppbv	97
3) Chlorodifluoromethane	2.99	51	639478	2.215 ppbv	98
4) Chloromethane	3.14	50	216348	2.203 ppbv	98
5) Vinyl Chloride	3.27	62	226705	2.111 ppbv	90
6) Bromomethane	3.48	94	131286	2.320 ppbv	98
7) Chloroethane	3.56	64	83374	2.391 ppbv	92
8) Dichlorotetrafluoroethane	3.19	85	578719	2.306 ppbv	97
9) Propene	3.01	41	208750	2.020 ppbv	98
10) Heptane	8.13	43	503741	1.956 ppbv	99
11) Trichlorofluoromethane	3.96	101	614797	2.485 ppbv	100
12) 1,1,2-Trichlorotrifluoroet	4.49	101	414387	2.351 ppbv	94
13) Ethanol	3.62	45	29076m	2.108 ppbv	
14) Bromoethene	3.74	108	176924	2.279 ppbv	97
15) Acetone	3.86	43	462815	2.868 ppbv #	78
16) 1,3-Butadiene	3.33	39	215644	2.151 ppbv	98
17) tert-Butyl alcohol	4.30	59	354295	2.397 ppbv	98
18) 1,1-Dichloroethene	4.29	96	185738	2.279 ppbv	93
19) Isopropyl Alcohol	3.98	45	221196	2.550 ppbv #	39
20) Methylene Chloride	4.35	84	180673	2.088 ppbv	95
21) Allyl Chloride	4.42	41	265401	2.180 ppbv	96
22) trans-1,2-Dichloroethene	4.89	96	172791	2.212 ppbv	90
23) Vinyl Acetate	5.08	43	509369	1.988 ppbv	98
24) 1,1-Dichloroethane	5.02	63	422131	2.289 ppbv	98
25) Ethyl Acetate	5.69	43	797646	2.057 ppbv	99
26) Hexane	5.69	57	402582	2.032 ppbv	98
27) Carbon Disulfide	4.56	76	388114	1.944 ppbv	98
28) Methyl tert-Butyl Ether	5.05	73	500839	2.109 ppbv	99
29) Chloroform	5.76	83	629285	2.248 ppbv	99
30) Cyclohexane	7.14	84	347160	2.062 ppbv	90
31) cis-1,2-Dichloroethene	5.56	61	374180	2.107 ppbv	94
32) 1,1,1-Trichloroethane	6.52	97	637355	2.121 ppbv	99
34) 2-Butanone	5.26	43	373682	2.236 ppbv	91
35) Carbon Tetrachloride	7.03	117	668103	2.190 ppbv	98
36) Benzene	6.90	78	800301	2.024 ppbv	96
37) 1,2-Dichloroethane	6.31	62	458594	2.339 ppbv	100
38) Trichloroethene	7.84	130	350445	2.072 ppbv	96
39) 1,2-Dichloropropane	7.63	63	308783m	2.027 ppbv	
40) 1,4-Dioxane	7.86	88	82196m	2.285 ppbv	
41) Tetrahydrofuran	6.07	42	185753m	1.951 ppbv	
42) Bromodichloromethane	7.80	83	627632	2.116 ppbv	99
43) Methyl Methacrylate	8.02	69	271250	1.990 ppbv	95

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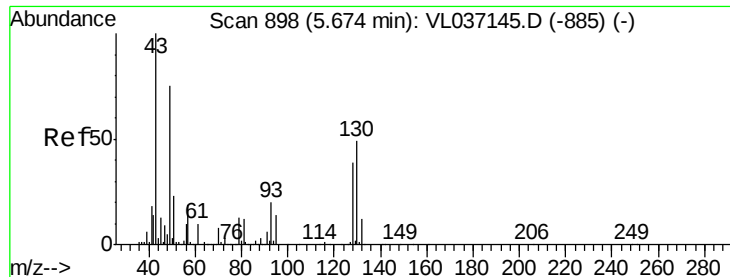
Manual Integrations
 APPROVED

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Quant Time: Jun 14 14:11:48 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL061421AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue May 18 2021
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.87	57	1374369	2.026	ppbv	99
45) t-1,3-Dichloropropene	9.29	75	233241	2.240	ppbv	98
46) cis-1,3-Dichloropropene	8.72	75	322396	2.302	ppbv	99
47) 1,1,2-Trichloroethane	9.49	97	337739	2.119	ppbv	96
48) Dibromochloromethane	10.32	129	561069	2.174	ppbv	99
49) Bromoform	13.05	173	433978	2.036	ppbv	99
50) 4-Methyl-2-Pentanone	8.76	43	543862	1.972	ppbv	99
51) 2-Hexanone	10.16	43	261203	1.791	ppbv #	100
52) Tetrachloroethene	11.23	164	343270	2.183	ppbv	96
53) Toluene	9.82	91	970263	2.062	ppbv	99
54) 1,2-Dibromoethane	10.62	107	493744	2.178	ppbv	97
56) 1,1,1,2-Tetrachloroethane	12.14	131	412160	2.227	ppbv #	1
57) Chlorobenzene	12.16	112	776484	2.277	ppbv	100
58) Ethyl Benzene	12.72	91	1330329	2.143	ppbv	98
59) m/p-Xylene	13.01	91	2242884m	4.371	ppbv	
60) o-Xylene	13.70	91	1080520	2.208	ppbv	97
61) Styrene	13.54	104	557360	2.022	ppbv	96
62) Isopropylbenzene	14.68	105	1530954	2.177	ppbv	98
63) 1,1,2,2-Tetrachloroethane	13.69	83	722488	1.977	ppbv	99
64) n-propylbenzene	15.57	120	390461	2.152	ppbv	86
65) tert-Butylbenzene	16.76	119	1425262m	2.246	ppbv	
66) Benzyl Chloride	17.00	91	53787m	1.527	ppbv	
67) sec-Butylbenzene	17.31	105	1882302	2.174	ppbv	99
69) p-Isopropyltoluene	17.67	119	1595087	2.143	ppbv	99
70) n-Butylbenzene	18.56	91	1456635	2.060	ppbv	98
71) 2-Chlorotoluene	15.46	91	1107588	2.180	ppbv	99
72) 4-Ethyltoluene	15.85	105	1220121	2.101	ppbv	99
73) 1,3,5-Trimethylbenzene	16.00	105	1144449	2.098	ppbv	92
74) 1,2,4-Trimethylbenzene	16.77	105	1218318	2.160	ppbv	95
75) 1,3-Dichlorobenzene	17.00	146	724300	2.103	ppbv	98
76) 1,4-Dichlorobenzene	17.15	146	676505	1.943	ppbv	98
77) 1,2-Dichlorobenzene	17.83	146	717179	2.078	ppbv	99
78) Hexachloro-1,3-Butadiene	23.39	225	510552	1.840	ppbv	98
79) Naphthalene	22.22	128	705201m	1.594	ppbv	
80) Naphthalene, 2-methyl-	24.99	142	143700m	1.493	ppbv	
81) 1,2,4-Trichlorobenzene	21.94	180	460706m	1.708	ppbv	

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 min Scan# 898

Delta R.T. 0.03 min

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ClientSampleId :

VSTDIC002

Tot Ion: 49 Resp: 1575657

Ion Ratio Lower Upper

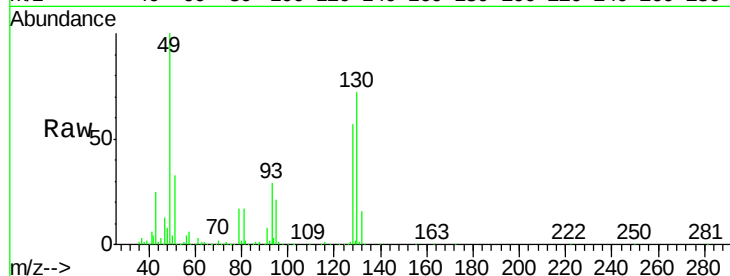
49 100

128 58.1 26.9 80.7

130 72.9 33.8 101.4

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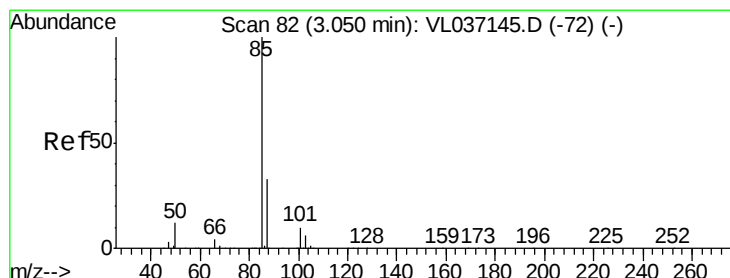
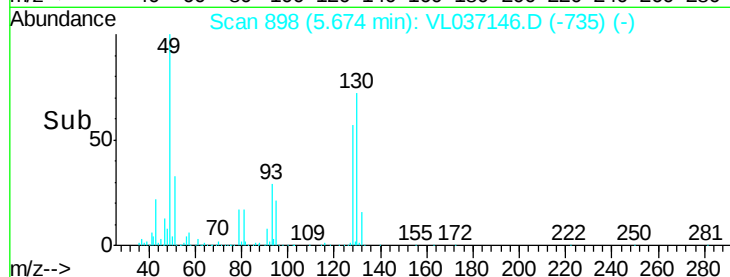
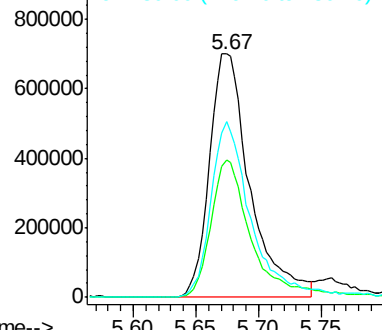
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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 1.780 ppbv

RT: 3.05 min Scan# 82

Delta R.T. 0.02 min

Lab File: VL037146.D

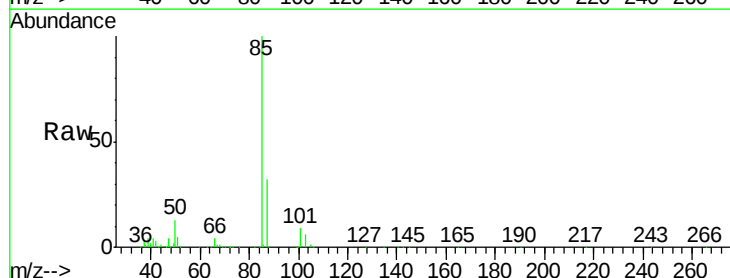
Acq: 14 Jun 2021 13:01

Tgt Ion: 85 Resp: 475839

Ion Ratio Lower Upper

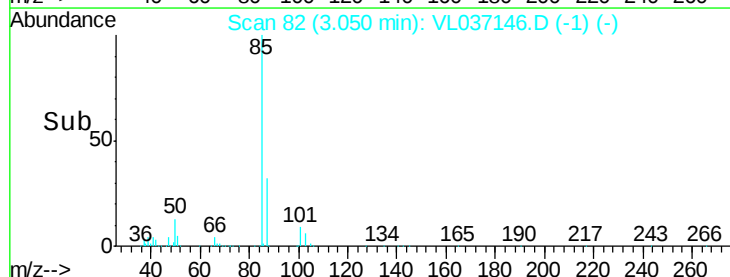
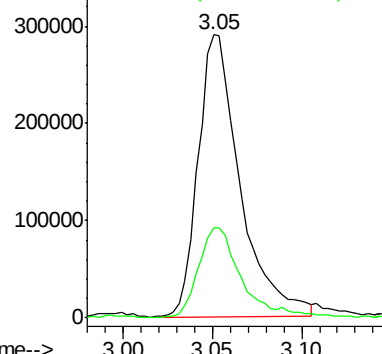
85 100

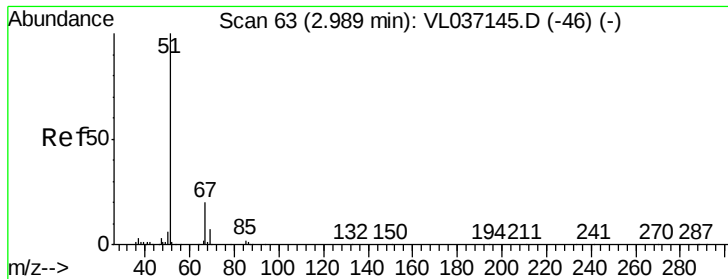
87 31.7 26.6 39.8



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 2.215 ppbv

RT: 2.99 min Scan# 64

Delta R.T. 0.02 min

Lab File: VL037146.D

Acq: 14 Jun 2021 13:01

Tot Ion: 51 Resp: 639478

Ion Ratio Lower Upper

51 100

67 19.2 14.6 21.8

Instrument :

MSVOA_L

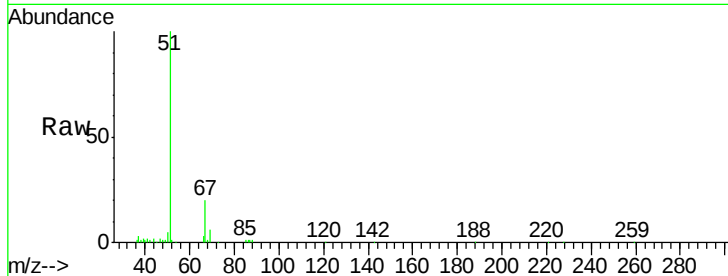
ClientSampleId :

VSTDIC002

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Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0

2.99

400000

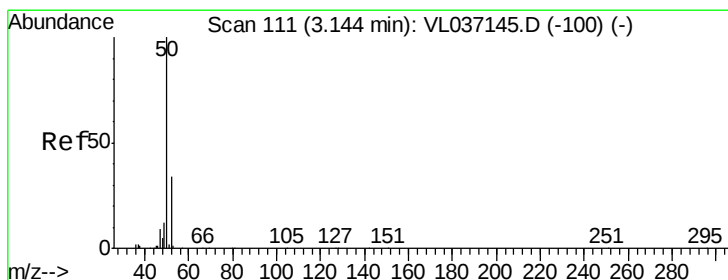
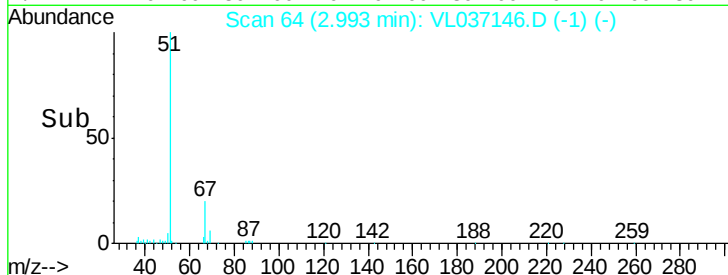
300000

200000

100000

0

Time-->



#4

Chloromethane

Concen: 2.203 ppbv

RT: 3.14 min Scan# 111

Delta R.T. 0.02 min

Lab File: VL037146.D

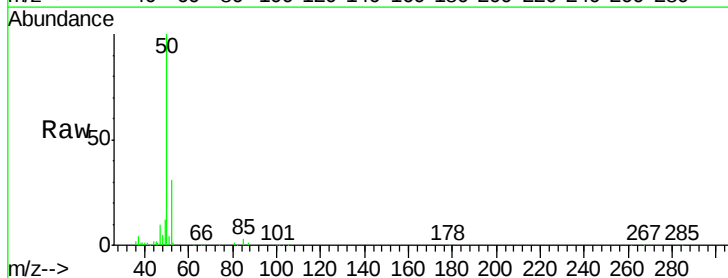
Acq: 14 Jun 2021 13:01

Tgt Ion: 50 Resp: 216348

Ion Ratio Lower Upper

50 100

52 31.4 26.1 39.1



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0

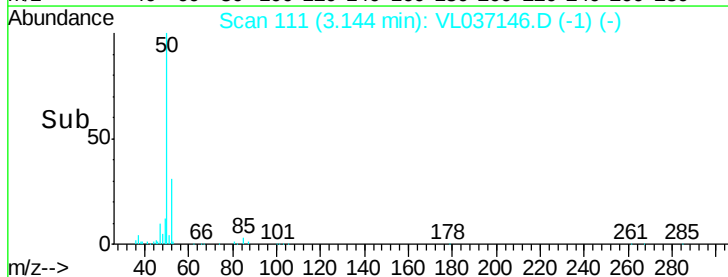
3.14

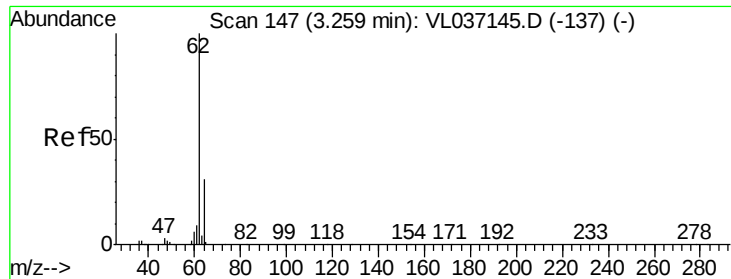
100000

50000

0

Time-->





#5

Vinyl Chloride

Concen: 2.111 ppbv

RT: 3.27 min Scan# 149

Delta R.T. 0.02 min

Lab File: VL037146.D

Acq: 14 Jun 2021 13:01

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tot Ion: 62 Resp: 226705

Ion Ratio Lower Upper

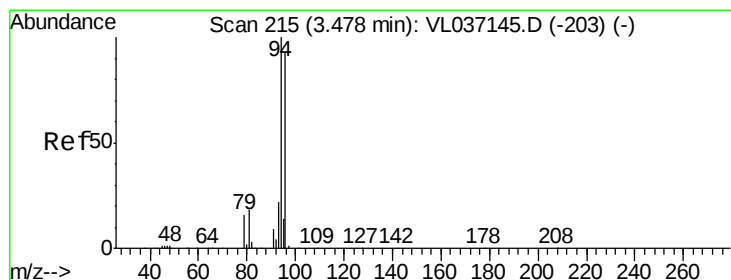
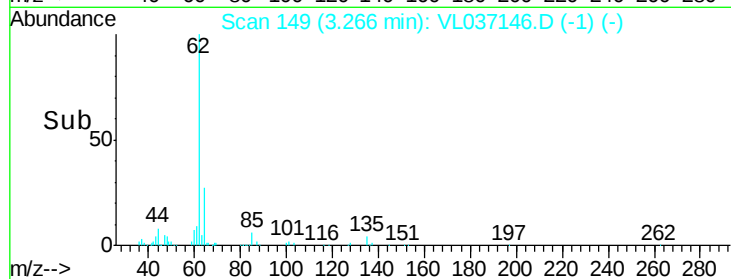
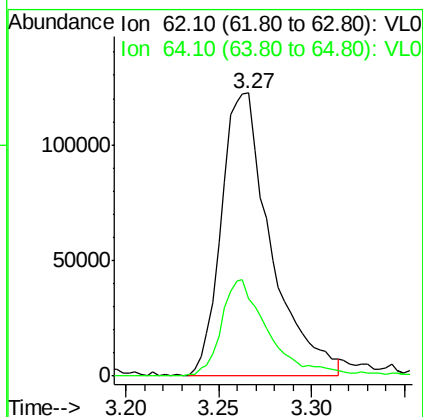
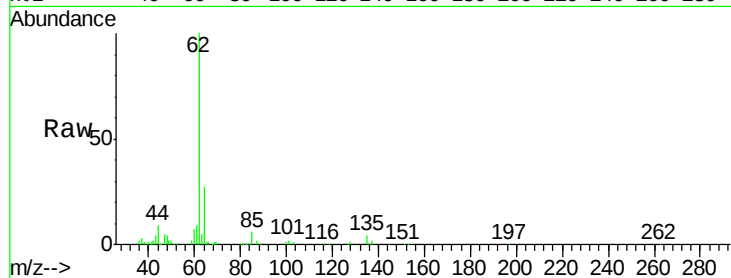
62 100

64 26.8 25.9 38.9

Manual Integrations
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#6

Bromomethane

Concen: 2.320 ppbv

RT: 3.48 min Scan# 216

Delta R.T. 0.02 min

Lab File: VL037146.D

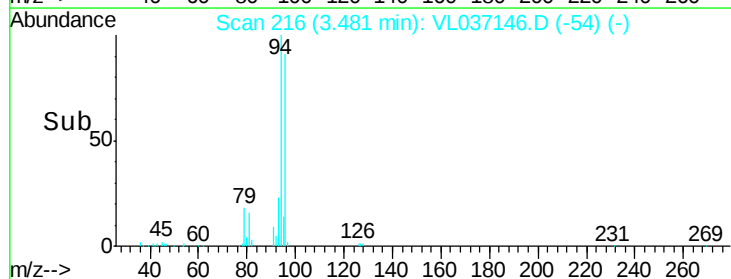
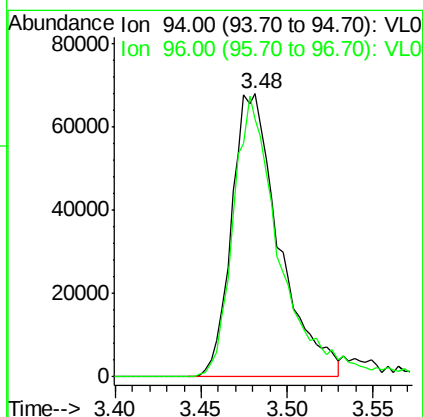
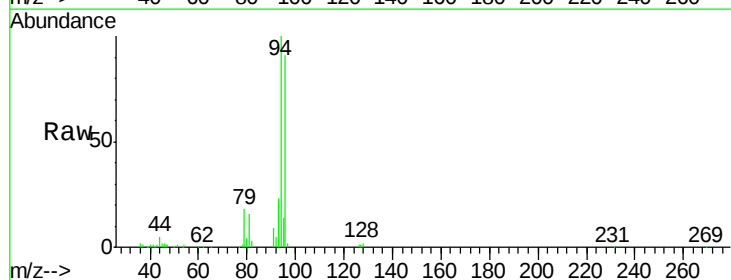
Acq: 14 Jun 2021 13:01

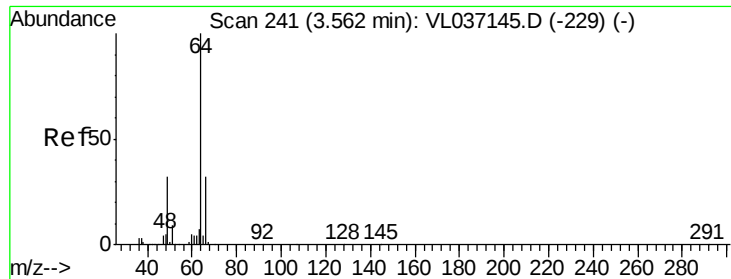
Tgt Ion: 94 Resp: 131286

Ion Ratio Lower Upper

94 100

96 90.8 74.0 111.0





#7

Chloroethane

Concen: 2.391 ppbv

RT: 3.56 min Scan# 241

Delta R.T. 0.02 min

Lab File: VL037146.D

Acq: 14 Jun 2021 13:01

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tot Ion: 64 Resp: 83374

Ion Ratio Lower Upper

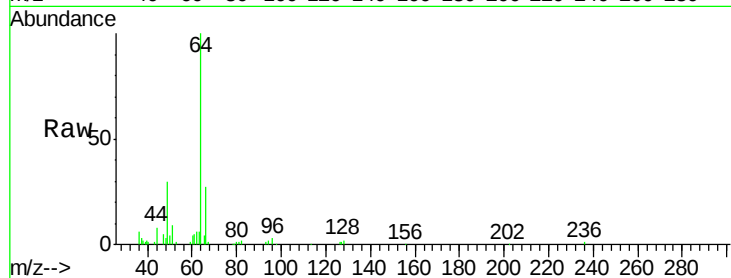
64 100

66 27.2 25.4 38.2

Manual Integrations
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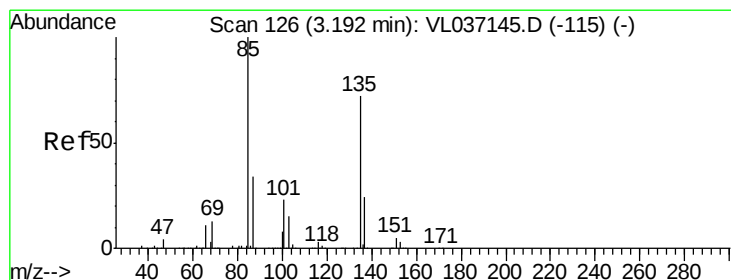
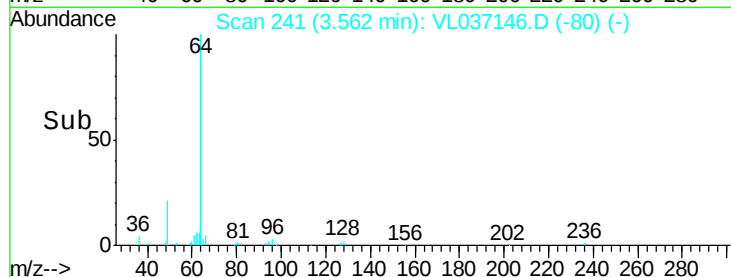
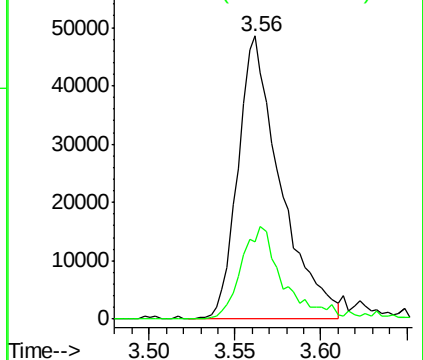
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Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0



#8

Dichlorotetrafluoroethane

Concen: 2.306 ppbv

RT: 3.19 min Scan# 125

Delta R.T. 0.01 min

Lab File: VL037146.D

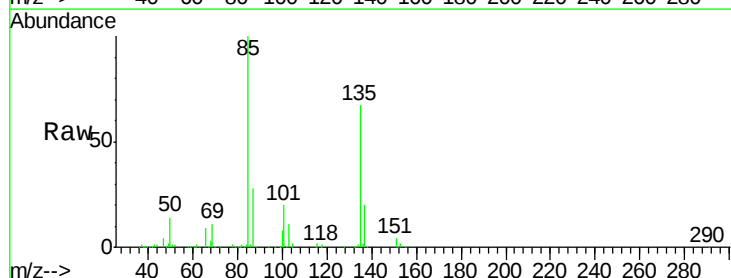
Acq: 14 Jun 2021 13:01

Tgt Ion: 85 Resp: 578719

Ion Ratio Lower Upper

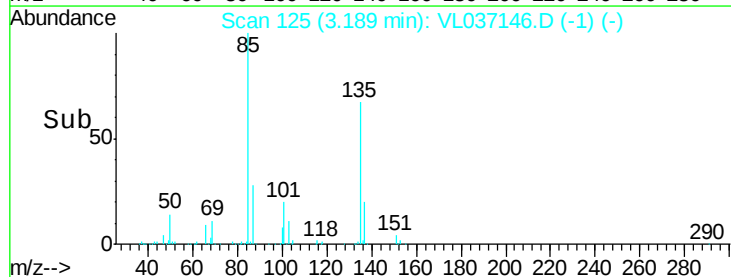
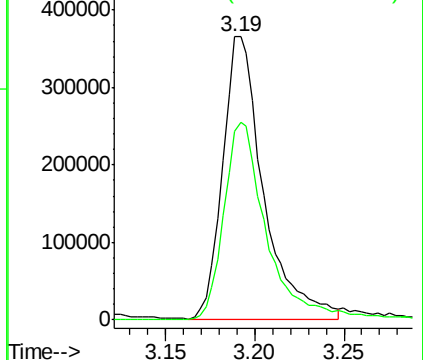
85 100

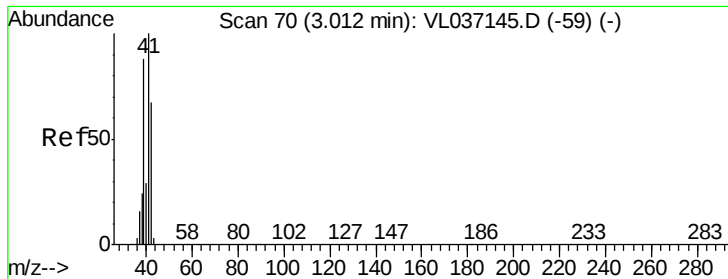
135 74.6 57.7 86.5



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V





#9

Propene

Concen: 2.020 ppbv

RT: 3.01 min Scan# 70

Delta R.T. 0.02 min

Lab File: VL037146.D

Acq: 14 Jun 2021 13:01

Instrument :

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Tot Ion: 41 Resp: 208750

Ion Ratio Lower Upper

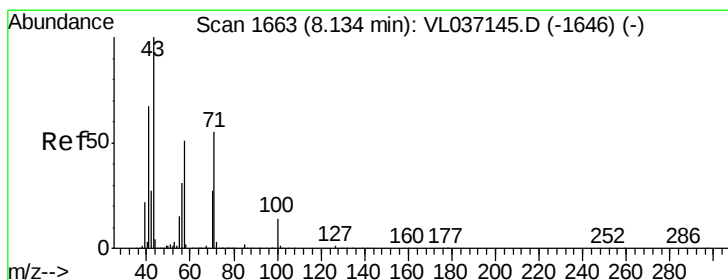
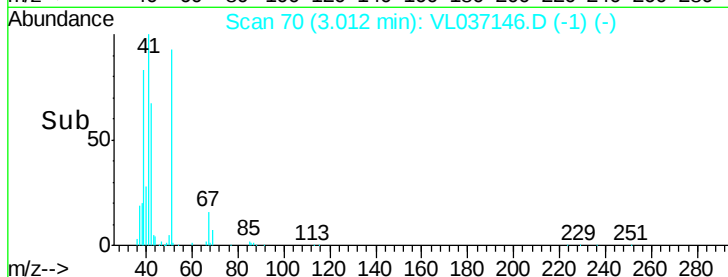
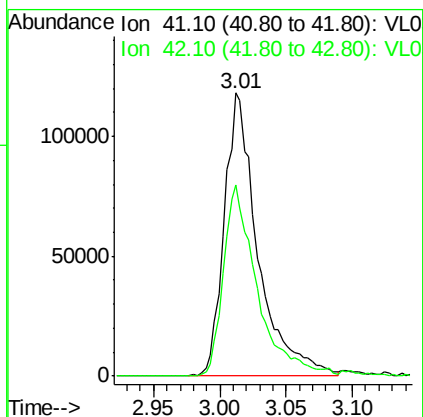
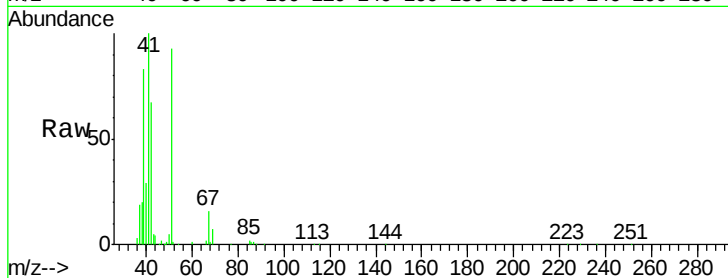
41 100

42 69.0 53.9 80.9

Manual Integrations
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#10

Heptane

Concen: 1.956 ppbv

RT: 8.13 min Scan# 1662

Delta R.T. 0.03 min

Lab File: VL037146.D

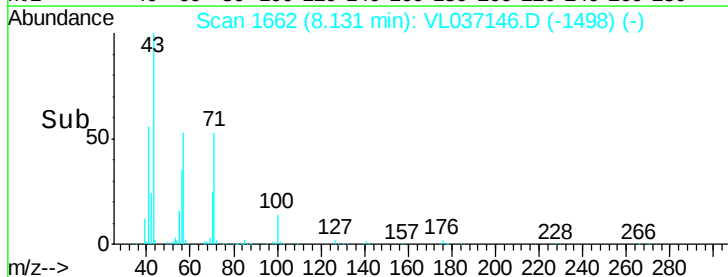
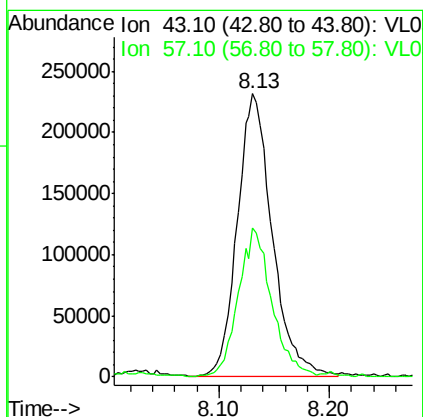
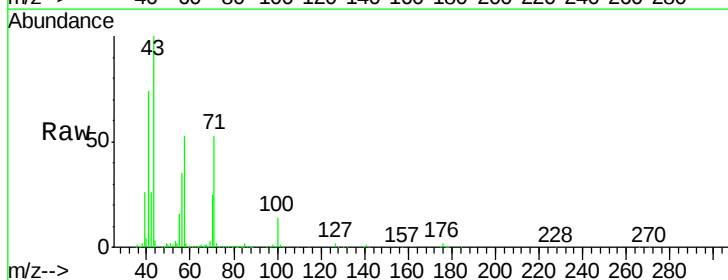
Acq: 14 Jun 2021 13:01

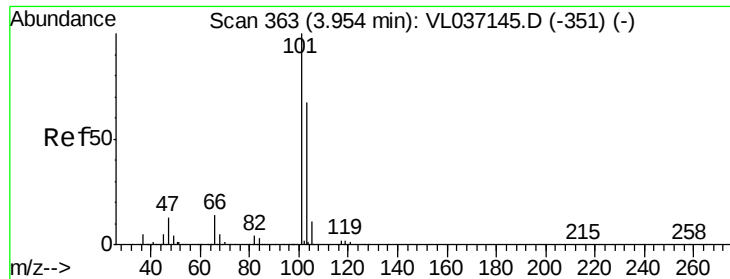
Tgt Ion: 43 Resp: 503741

Ion Ratio Lower Upper

43 100

57 50.8 41.0 61.6





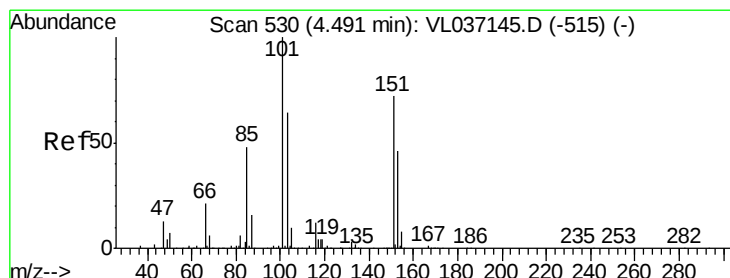
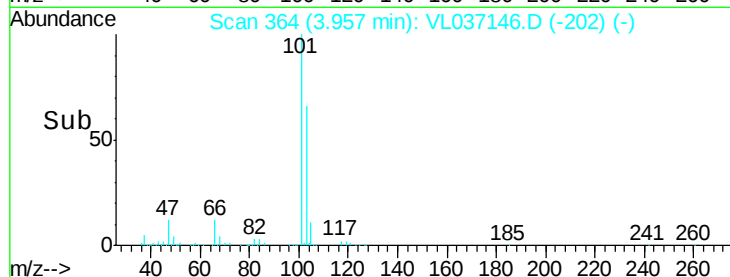
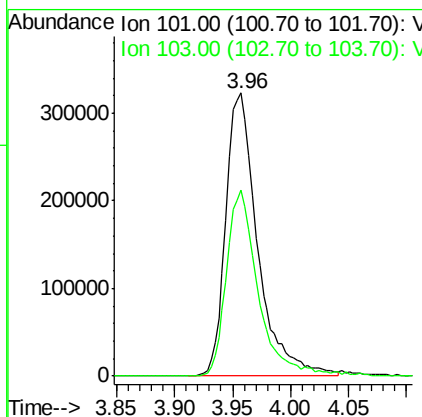
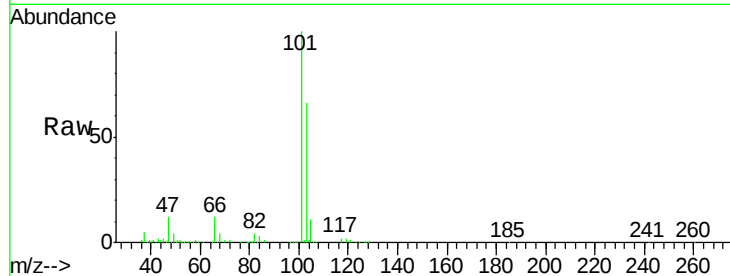
#11
 Trichlorofluoromethane
 Concen: 2.485 ppbv
 RT: 3.96 min Scan# 364
 Delta R.T. 0.02 min
 Lab File: VL037146.D
 Acq: 14 Jun 2021 13:01

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.7	52.6	79.0

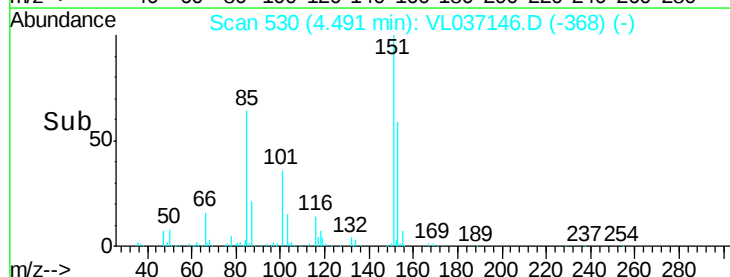
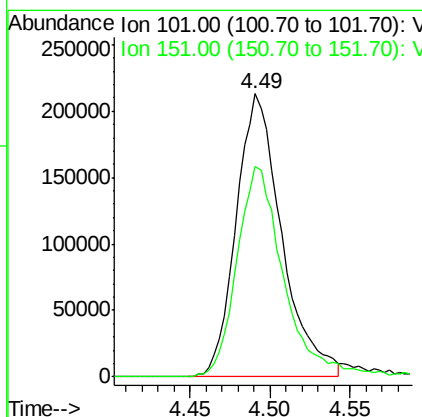
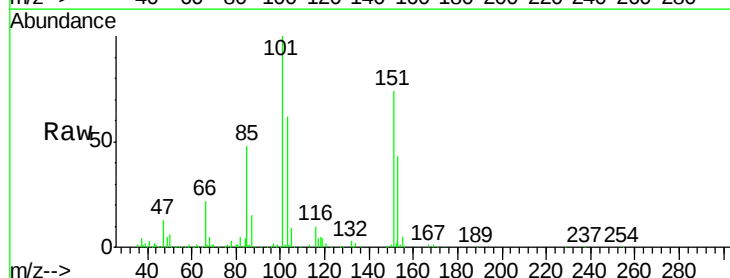
Manual Integrations
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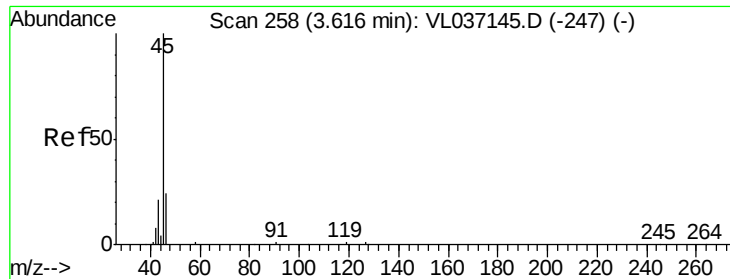
MMDadoda
 6/15/2021 5:17:06 PM



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 2.351 ppbv
 RT: 4.49 min Scan# 530
 Delta R.T. 0.02 min
 Lab File: VL037146.D
 Acq: 14 Jun 2021 13:01

Tgt Ion	Ratio	Lower	Upper
101	100		
151	77.3	57.7	86.5





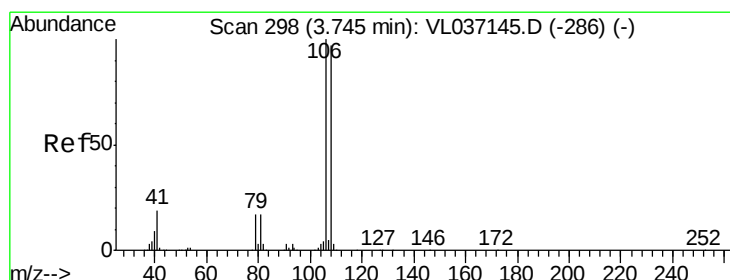
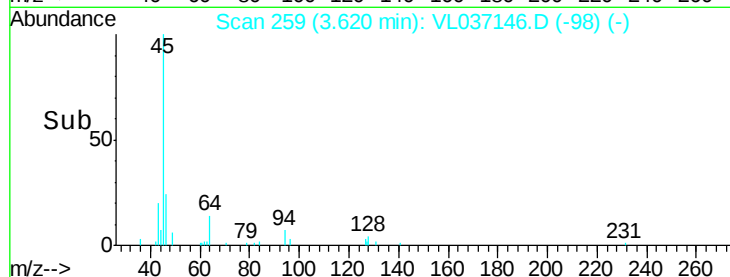
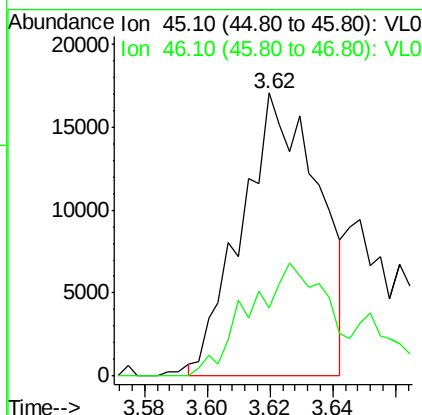
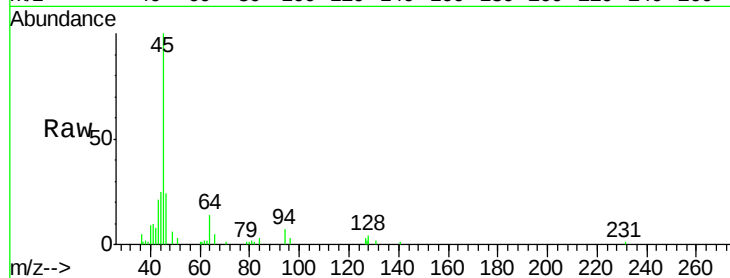
#13
Ethanol
Concen: 2.108 ppbv m
RT: 3.62 min Scan# 259
Delta R.T. 0.02 min
Lab File: VL037146.D
Acq: 14 Jun 2021 13:01

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion	Ratio	Lower	Upper
45	100		
46	58.8	16.3	65.3

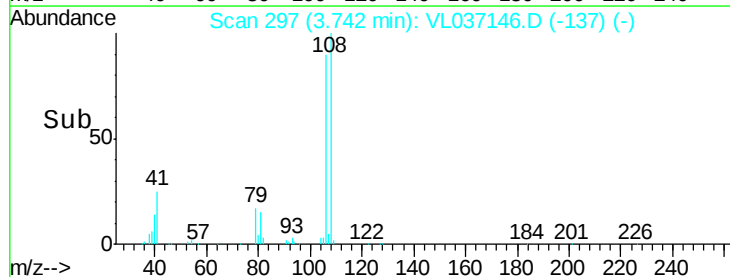
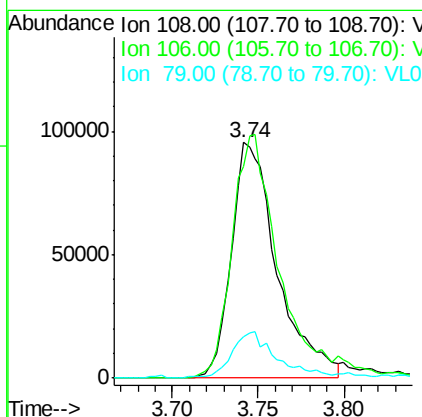
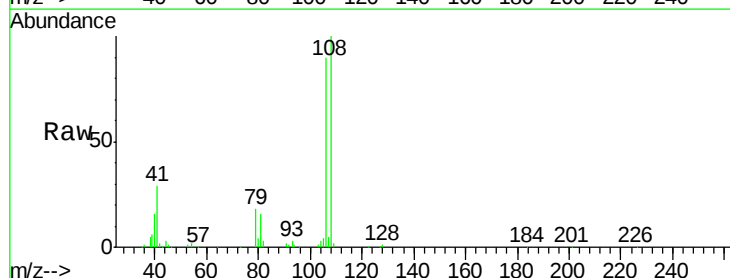
Manual Integrations
APPROVED

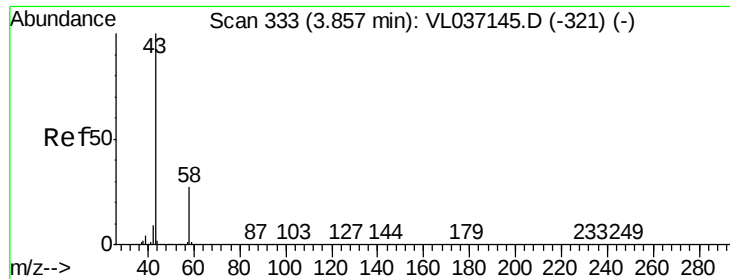
MMDadoda
6/15/2021 5:17:06 PM



#14
Bromoethene
Concen: 2.279 ppbv
RT: 3.74 min Scan# 297
Delta R.T. 0.02 min
Lab File: VL037146.D
Acq: 14 Jun 2021 13:01

Tgt Ion	Ratio	Lower	Upper
108	100		
106	110.4	86.5	129.7
79	22.3	15.0	22.4





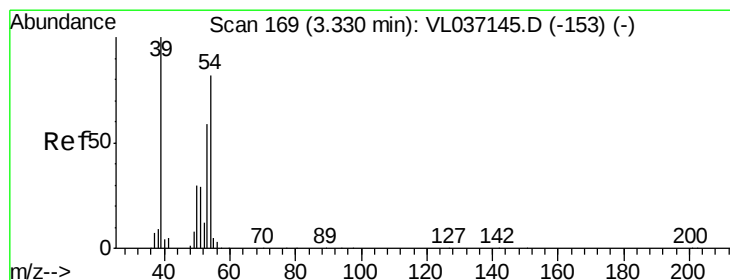
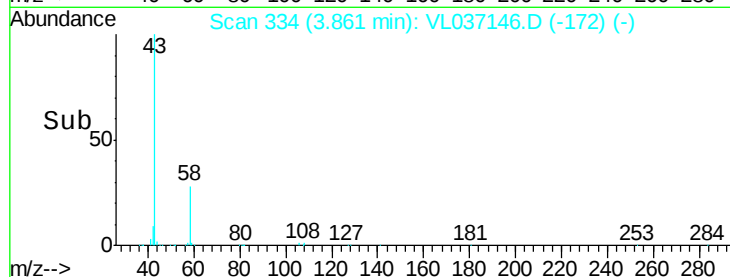
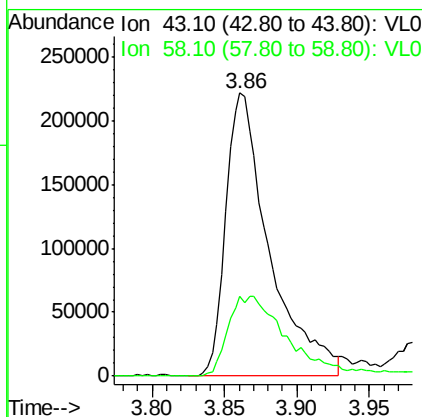
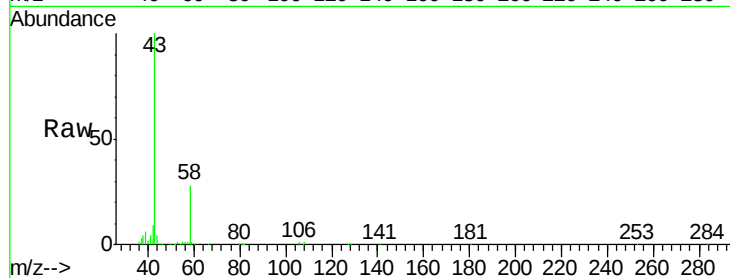
#15
Acetone
Concen: 2.868 ppbv
RT: 3.86 min Scan# 334
Delta R.T. 0.02 min
Lab File: VL037146.D
Acq: 14 Jun 2021 13:01

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion: 43 Resp: 462815
Ion Ratio Lower Upper
43 100
58 41.7 24.0 36.0#

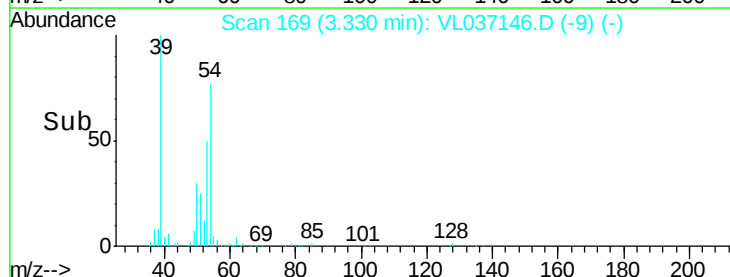
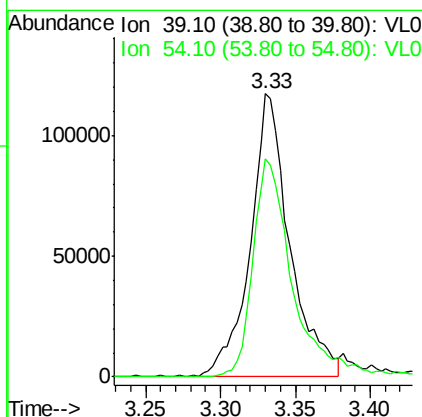
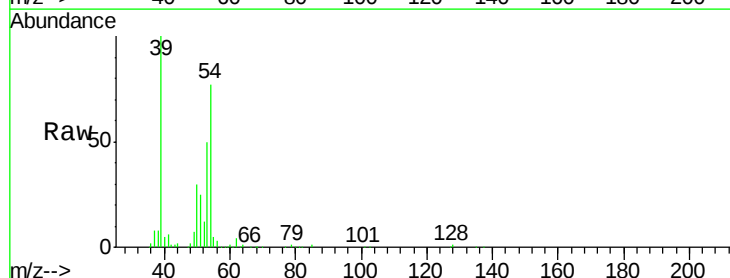
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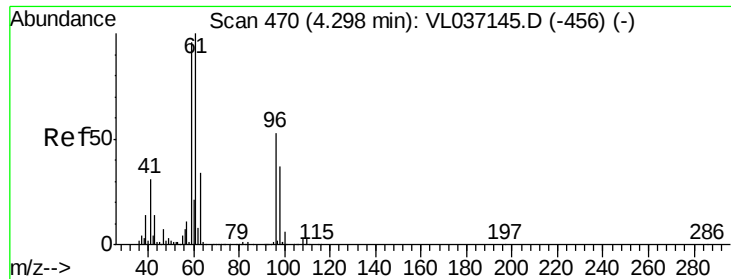
MMDadoda
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#16
1,3-Butadiene
Concen: 2.151 ppbv
RT: 3.33 min Scan# 169
Delta R.T. 0.02 min
Lab File: VL037146.D
Acq: 14 Jun 2021 13:01

Tgt Ion: 39 Resp: 215644
Ion Ratio Lower Upper
39 100
54 77.4 63.2 94.8





#17

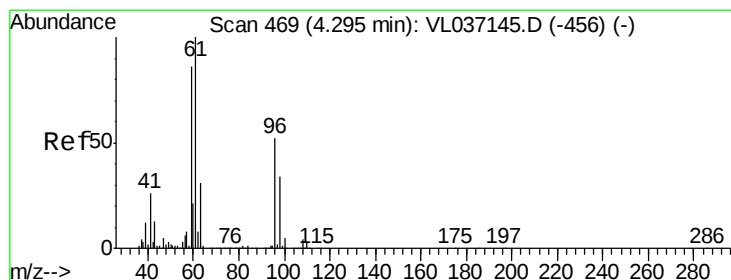
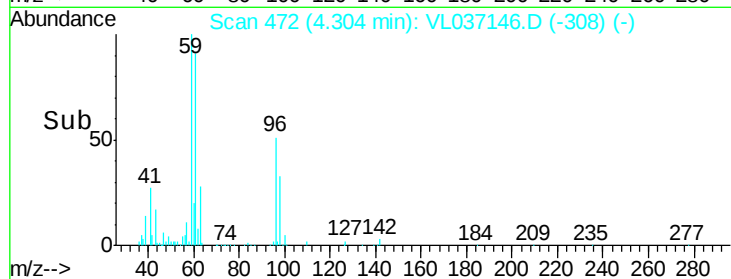
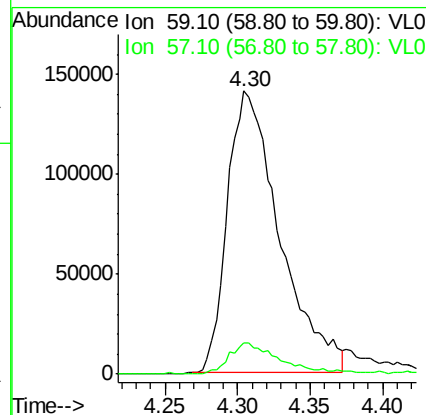
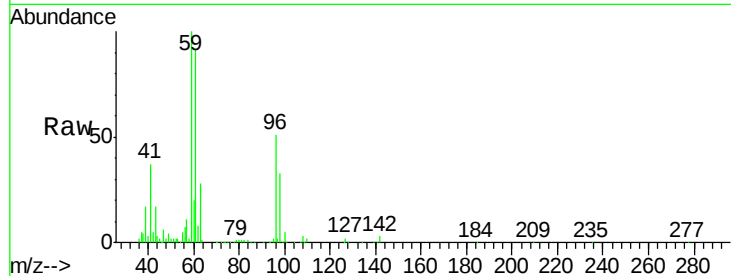
tert-Butyl alcohol
Concen: 2.397 ppbv
RT: 4.30 min Scan# 472
Delta R.T. 0.03 min
Lab File: VL037146.D
Acq: 14 Jun 2021 13:01

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion	Ratio	Lower	Upper
59	100		
57	11.0	8.3	12.5

Manual Integrations
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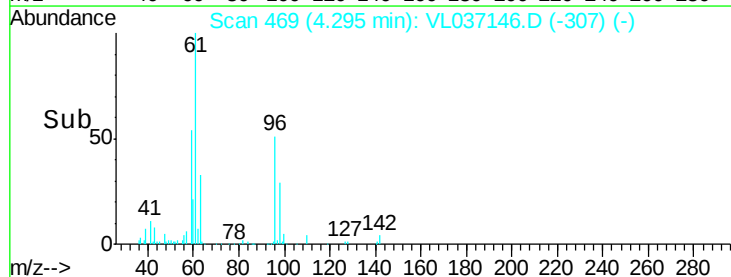
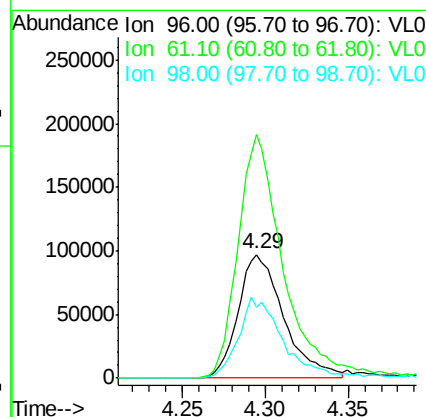
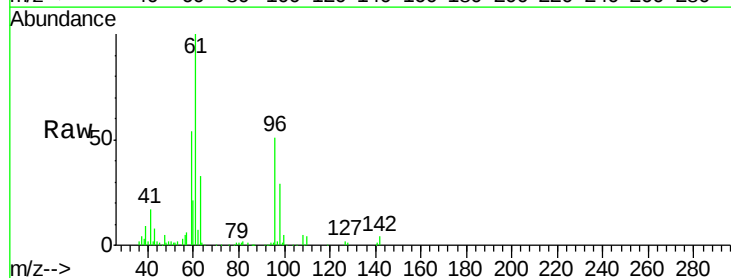
MMDadoda
6/15/2021 5:17:06 PM

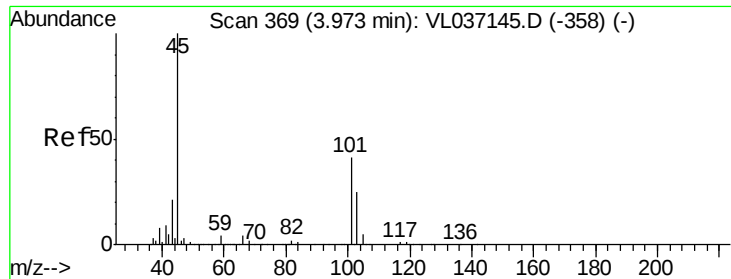


#18

1,1-Dichloroethene
Concen: 2.279 ppbv
RT: 4.29 min Scan# 469
Delta R.T. 0.02 min
Lab File: VL037146.D
Acq: 14 Jun 2021 13:01

Tgt Ion	Ratio	Lower	Upper
96	100		
61	196.5	148.2	222.4
98	57.1	47.8	71.6





#19

Isopropyl Alcohol

Concen: 2.550 ppbv

RT: 3.98 min Scan# 372

Delta R.T. 0.03 min

Lab File: VL037146.D

Acq: 14 Jun 2021 13:01

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tot Ion: 45 Resp: 221196

Ion Ratio Lower Upper

45 100

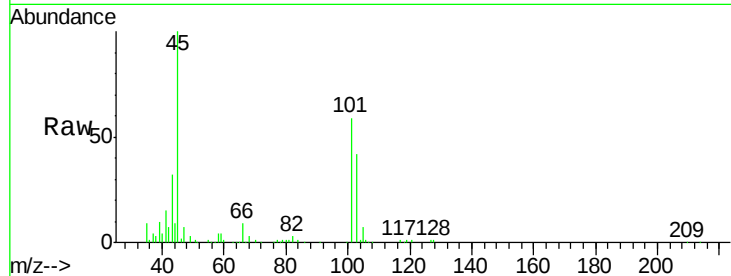
58 87.2 37.2 55.8#

Manual Integrations

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Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

3.98

80000

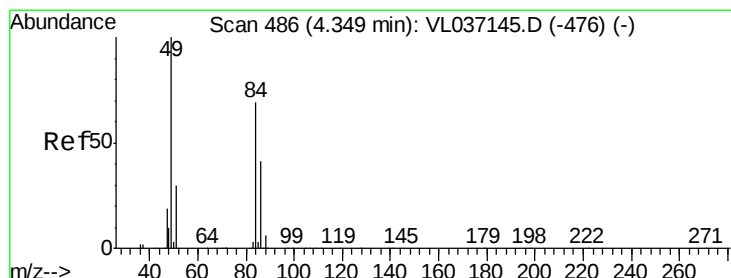
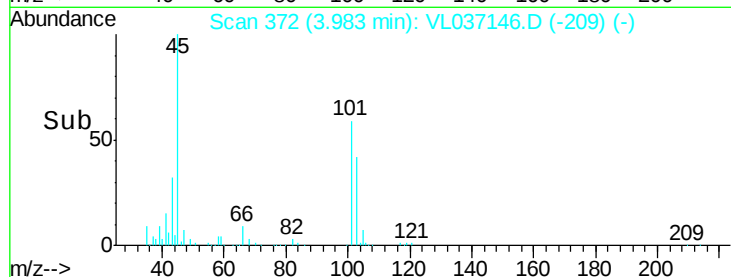
60000

40000

20000

0

Time--> 3.90 3.95 4.00 4.05



#20

Methylene Chloride

Concen: 2.088 ppbv

RT: 4.35 min Scan# 486

Delta R.T. 0.02 min

Lab File: VL037146.D

Acq: 14 Jun 2021 13:01

Tgt Ion: 84 Resp: 180673

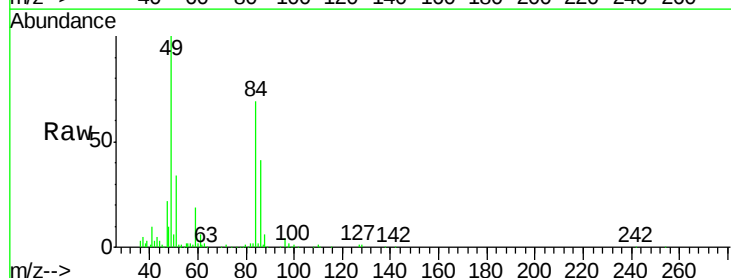
Ion Ratio Lower Upper

84 100

49 142.1 119.8 179.6

51 46.6 35.1 52.7

86 59.7 50.9 76.3



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

200000

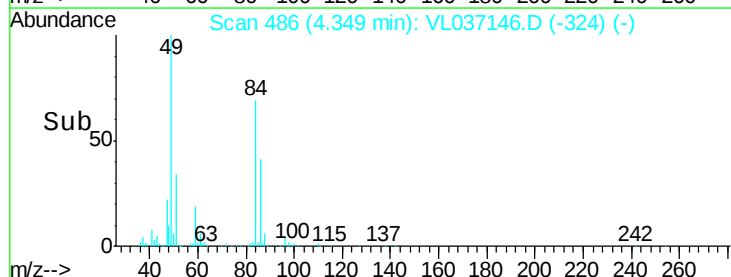
150000

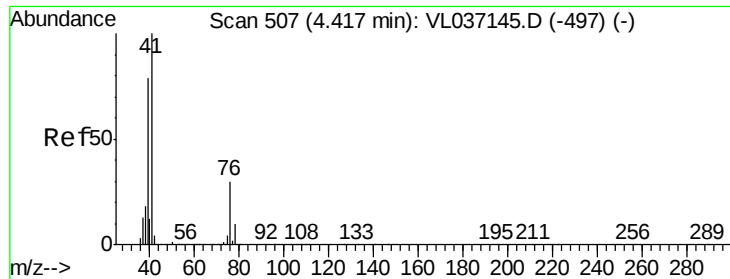
100000

50000

0

Time--> 4.30 4.35 4.40





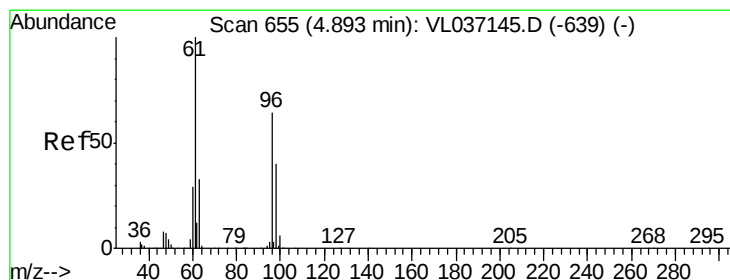
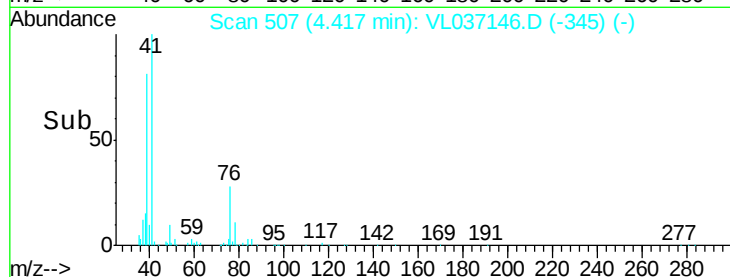
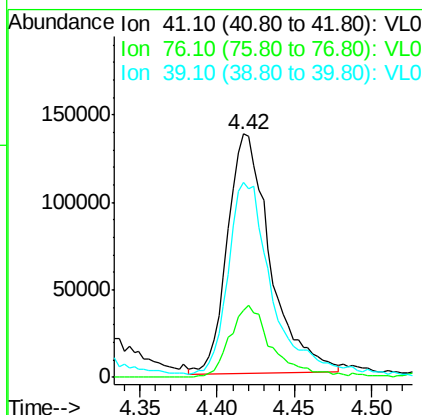
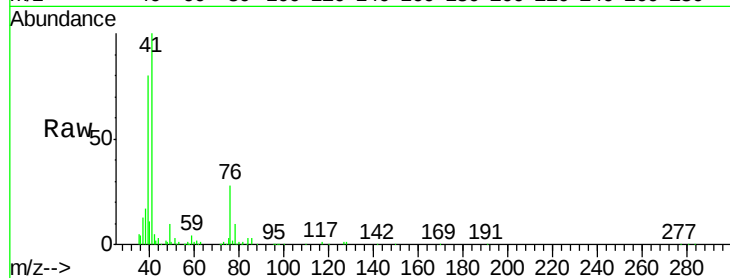
#21
Allv1 Chloride
Concen: 2.180 ppbv
RT: 4.42 min Scan# 507
Delta R.T. 0.02 min
Lab File: VL037146.D
Acq: 14 Jun 2021 13:01

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion	Ratio	Lower	Upper
41	100		
76	30.2	24.9	37.3
39	84.1	63.7	95.5

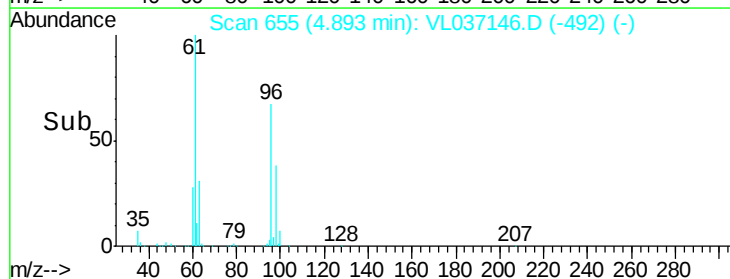
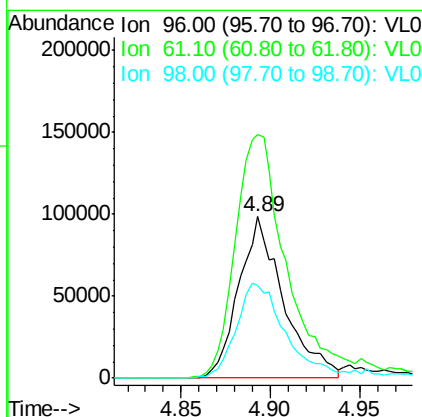
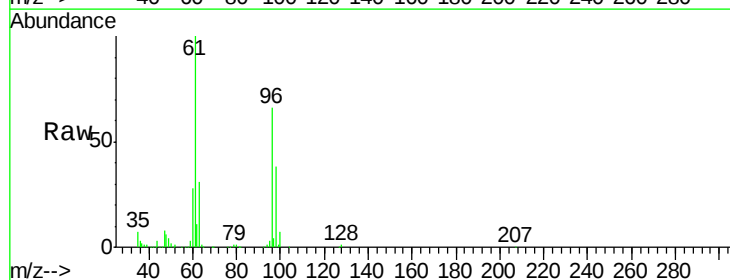
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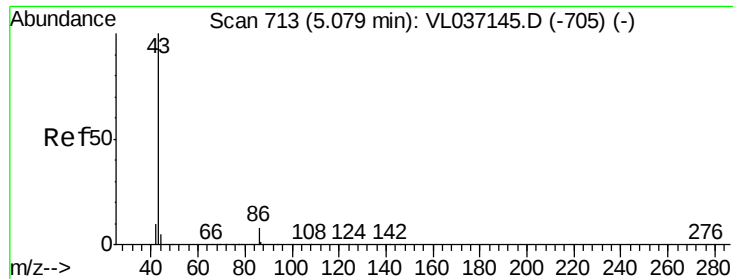
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#22
trans-1,2-Dichloroethene
Concen: 2.212 ppbv
RT: 4.89 min Scan# 655
Delta R.T. 0.03 min
Lab File: VL037146.D
Acq: 14 Jun 2021 13:01

Tgt Ion	Ratio	Lower	Upper
96	100		
61	150.1	130.6	196.0
98	56.8	50.8	76.2





#23

Vinyl Acetate

Concen: 1.988 ppbv

RT: 5.08 min Scan# 713

Delta R.T. 0.02 min

Lab File: VL037146.D

Acq: 14 Jun 2021 13:01

Instrument :

MSVOA_L

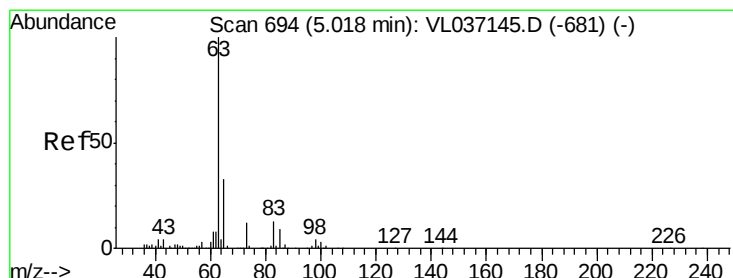
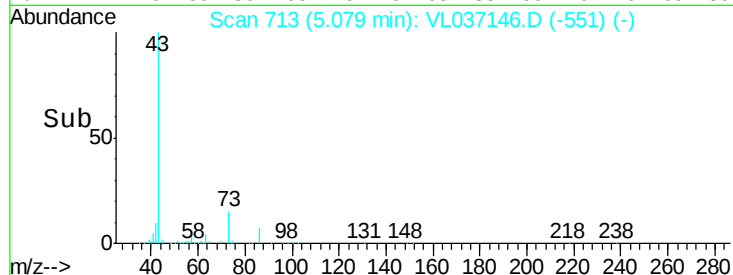
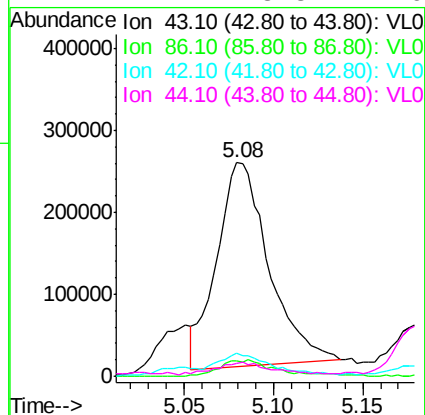
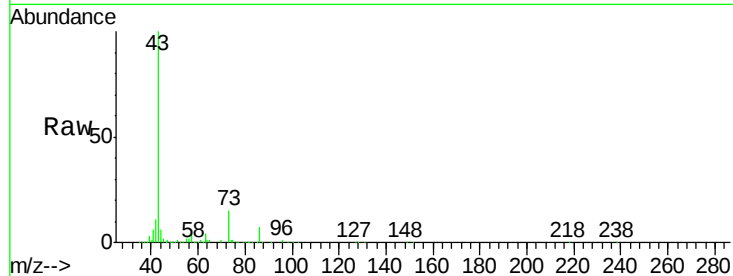
ClientSampleId :

VSTDIC002

Tot Ion	43	Resp	509369
Ion Ratio	Lower	Upper	
43	100		
86	7.1	5.8	8.8
42	10.7	7.4	11.2
44	4.7	3.3	4.9

Manual Integrations
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#24

1,1-Dichloroethane

Concen: 2.289 ppbv

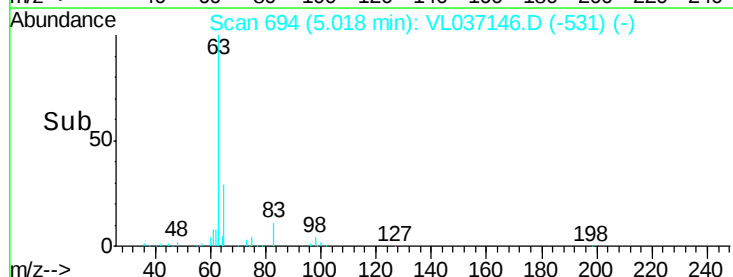
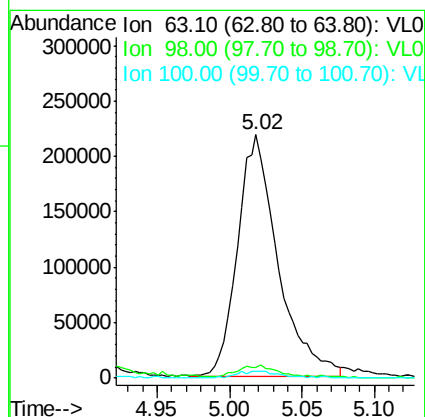
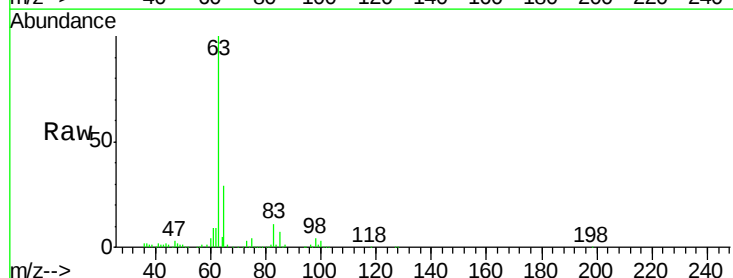
RT: 5.02 min Scan# 694

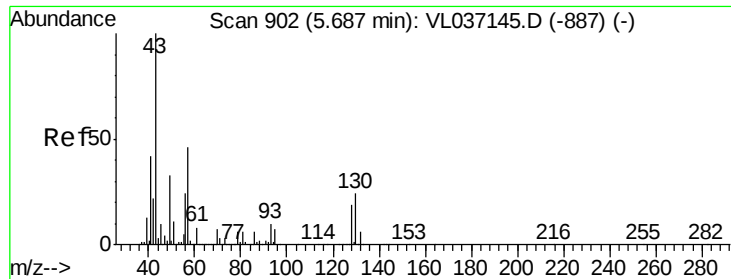
Delta R.T. 0.03 min

Lab File: VL037146.D

Acq: 14 Jun 2021 13:01

Tgt Ion	63	Resp	422131
Ion Ratio	Lower	Upper	
63	100		
98	3.8	2.3	6.9
100	2.7	1.4	4.0





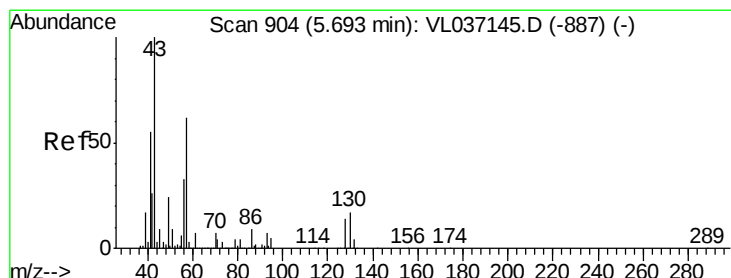
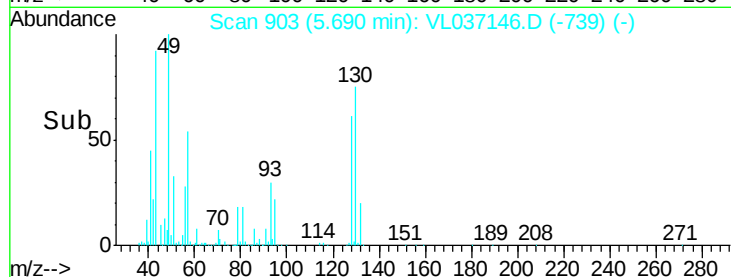
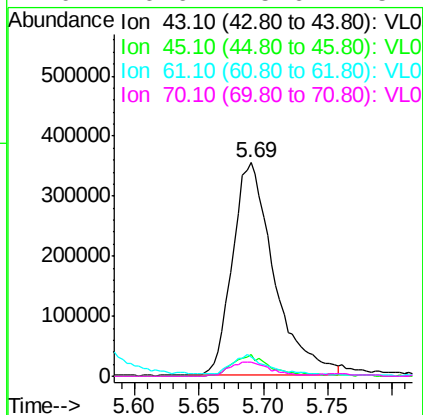
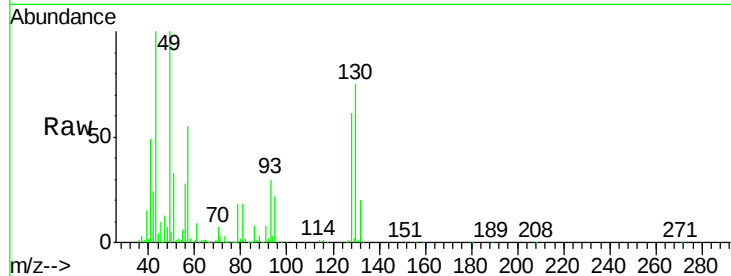
#25
Ethyl Acetate
Concen: 2.057 ppbv
RT: 5.69 min Scan# 903
Delta R.T. 0.03 min
Lab File: VL037146.D
Acq: 14 Jun 2021 13:01

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion	43	Resp	797646
Ion Ratio	Lower	Upper	
43	100		
45	9.8	7.8	11.8
61	10.6	7.8	11.8
70	6.6	5.6	8.4

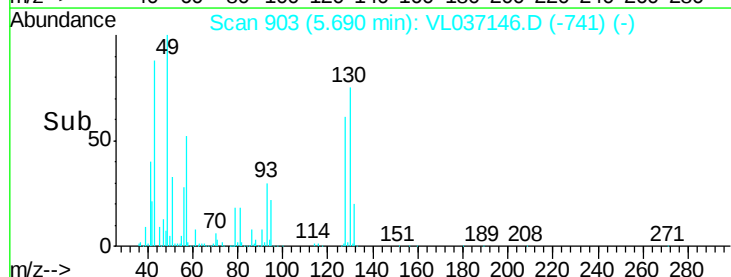
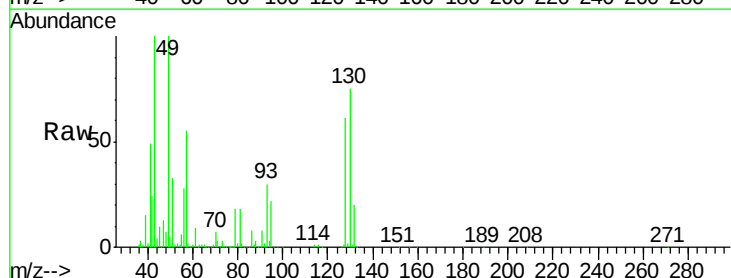
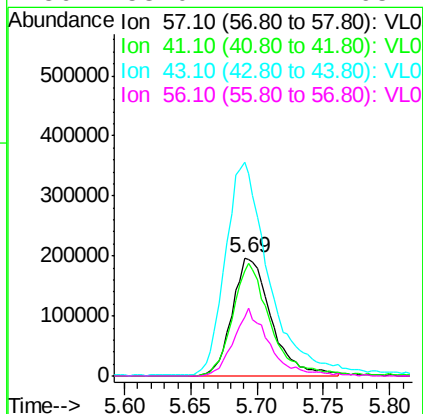
Manual Integrations
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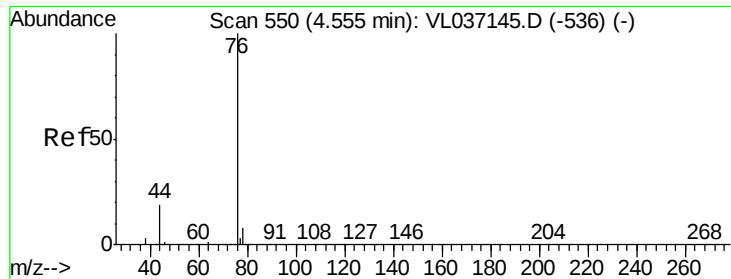
MMDadoda
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#26
Hexane
Concen: 2.032 ppbv
RT: 5.69 min Scan# 903
Delta R.T. 0.02 min
Lab File: VL037146.D
Acq: 14 Jun 2021 13:01

Tgt Ion	57	Resp	402582
Ion Ratio	Lower	Upper	
57	100		
41	93.5	70.5	105.7
43	208.1	165.8	248.8
56	53.0	42.2	63.4





#27

Carbon Disulfide

Concen: 1.944 ppbv

RT: 4.56 min Scan# 551

Delta R.T. 0.03 min

Lab File: VL037146.D

Acq: 14 Jun 2021 13:01

Instrument :

MSVOA_L

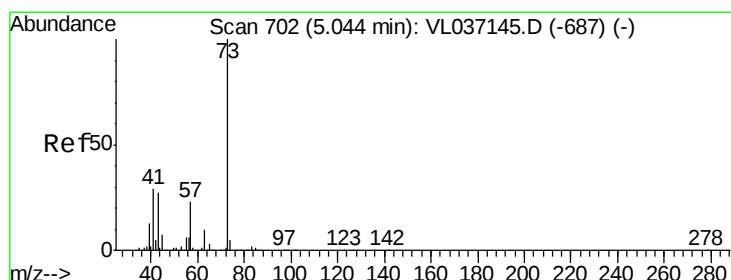
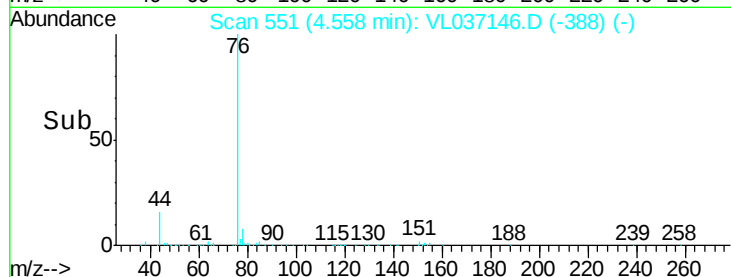
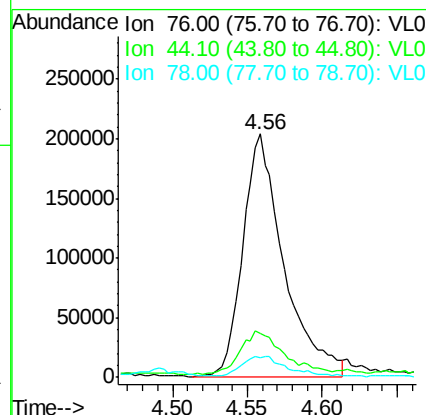
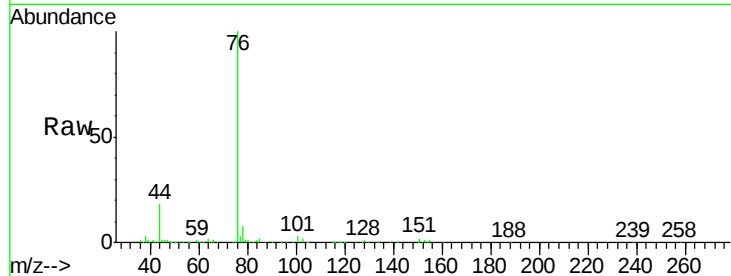
ClientSampleId :

VSTDIC002

Tot Ion:	76	Resp:	388114
Ion Ratio	Lower	Upper	
76	100		
44	20.1	15.5	23.3
78	10.3	7.8	11.6

Manual Integrations
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#28

Methyl tert-Butyl Ether

Concen: 2.109 ppbv

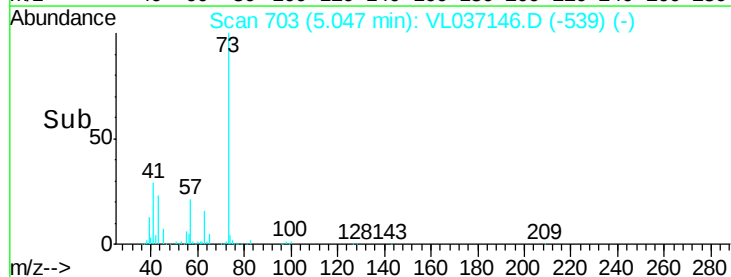
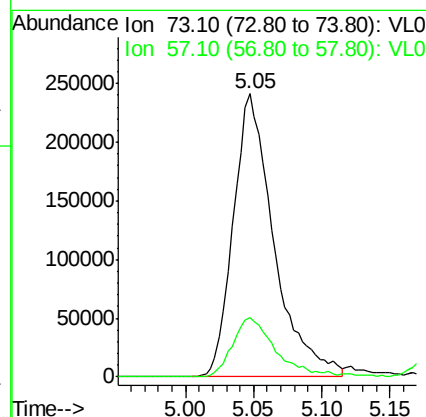
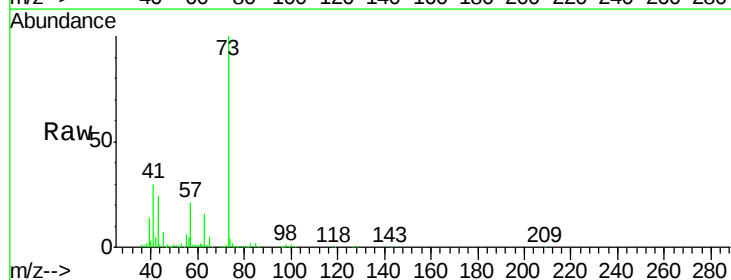
RT: 5.05 min Scan# 703

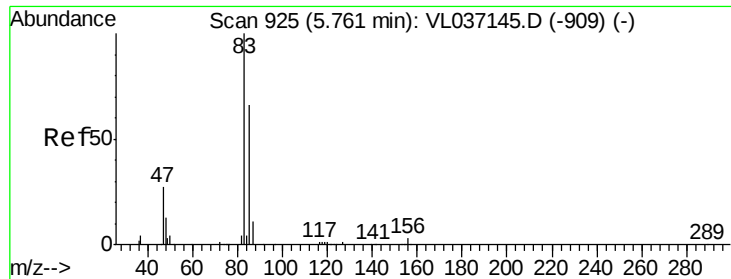
Delta R.T. 0.03 min

Lab File: VL037146.D

Acq: 14 Jun 2021 13:01

Tgt Ion:	73	Resp:	500839
Ion Ratio	Lower	Upper	
73	100		
57	22.6	18.3	27.5





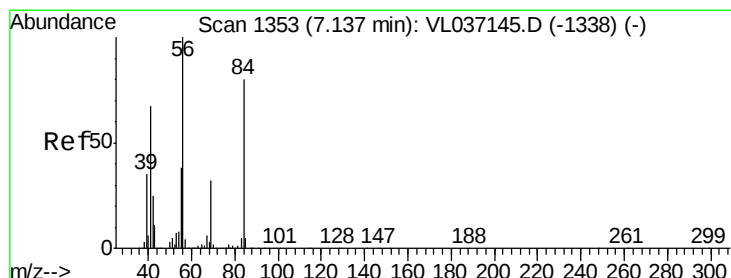
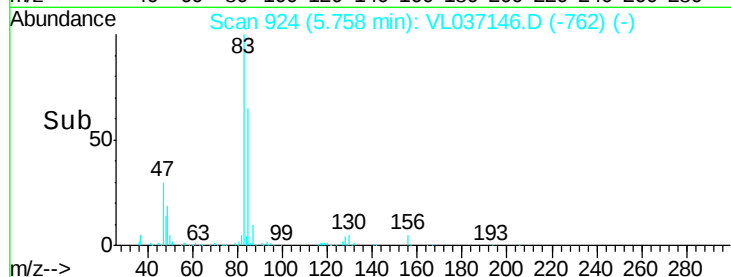
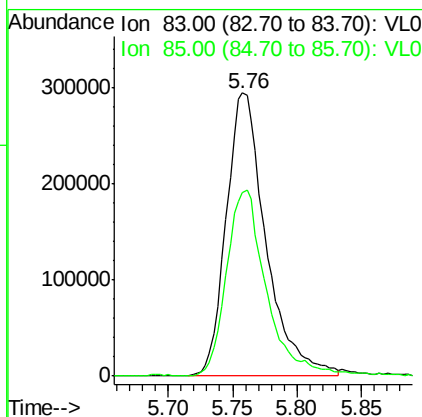
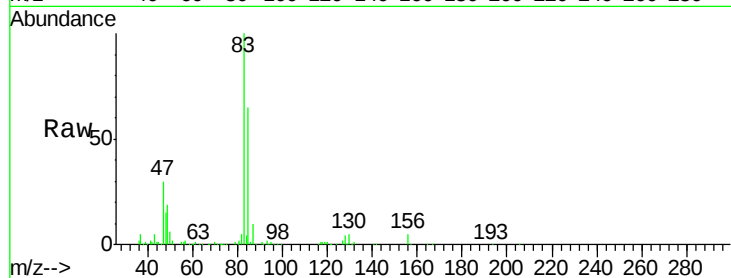
#29
Chloroform
Concen: 2.248 ppbv
RT: 5.76 min Scan# 924
Delta R.T. 0.02 min
Lab File: VL037146.D
Acq: 14 Jun 2021 13:01

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion	Ratio	Lower	Upper
83	100		
85	64.6	51.1	76.7

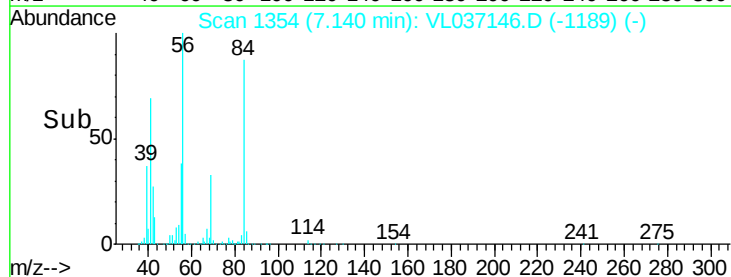
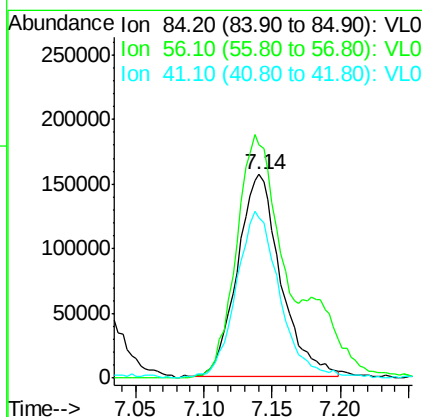
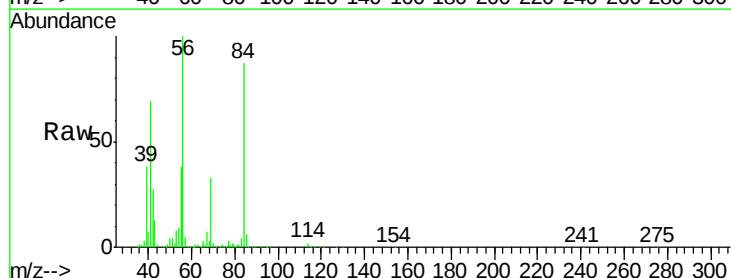
Manual Integrations
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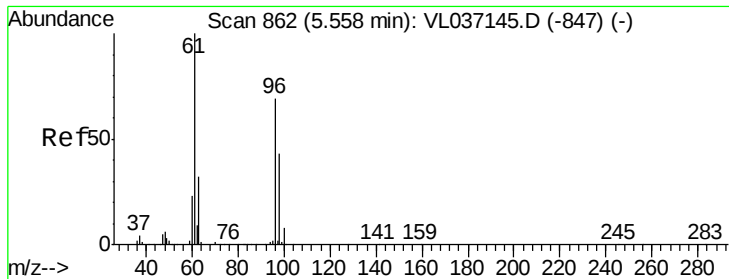
MMDadoda
6/15/2021 5:17:06 PM



#30
Cyclohexane
Concen: 2.062 ppbv
RT: 7.14 min Scan# 1354
Delta R.T. 0.03 min
Lab File: VL037146.D
Acq: 14 Jun 2021 13:01

Tgt Ion	Ratio	Lower	Upper
84	100		
56	153.3	107.9	161.9
41	81.8	65.5	98.3





#31

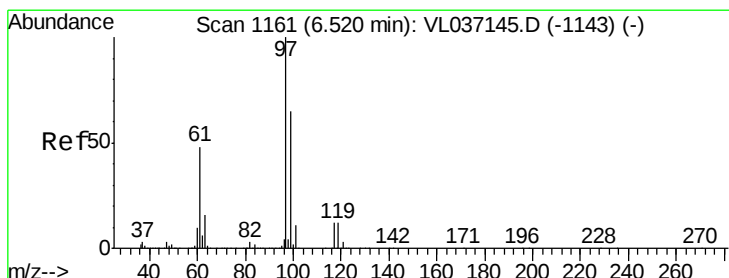
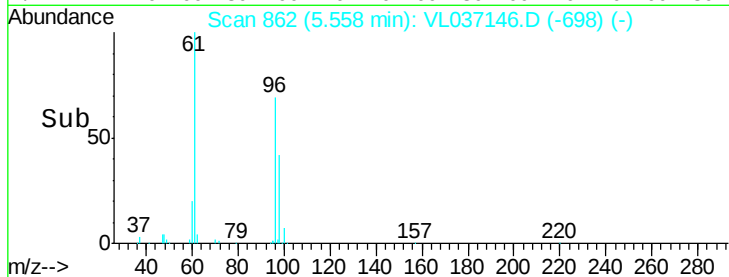
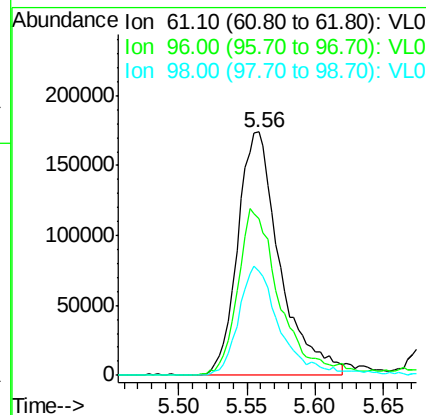
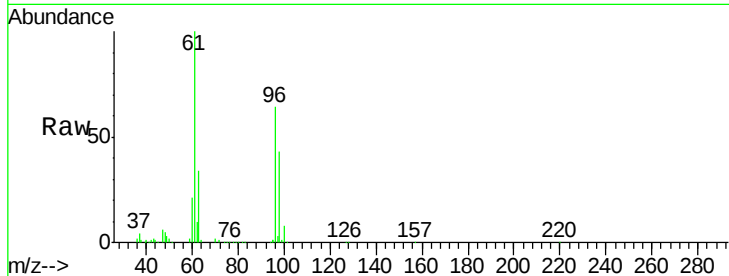
cis-1,2-Dichloroethene
 Concen: 2.107 ppbv
 RT: 5.56 min Scan# 862
 Delta R.T. 0.03 min
 Lab File: VL037146.D
 Acq: 14 Jun 2021 13:01

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Tot Ion	61	Resp	374180
Ion Ratio	Lower	Upper	
61	100		
96	63.9	55.9	83.9
98	42.7	35.6	53.4

Manual Integrations
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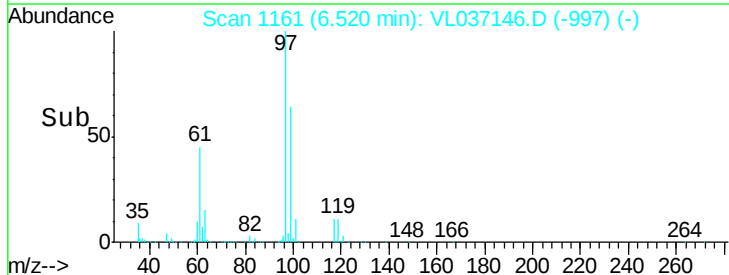
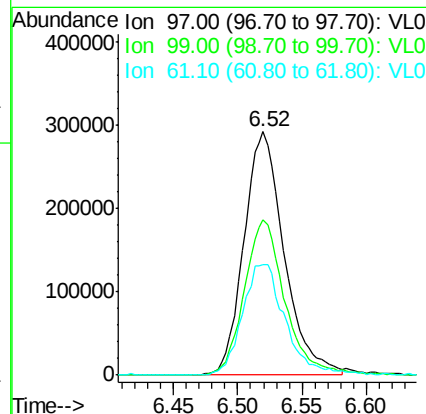
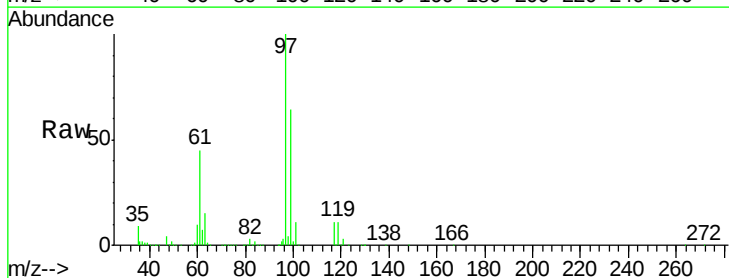
MMDadoda
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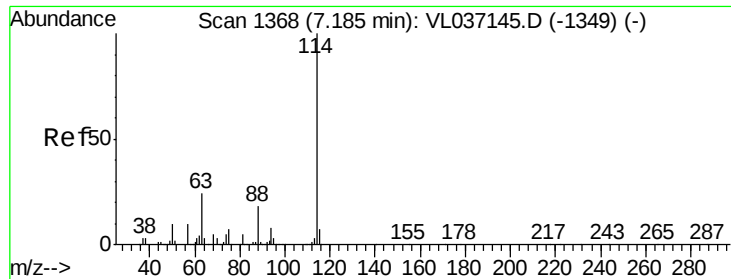


#32

1,1,1-Trichloroethane
 Concen: 2.121 ppbv
 RT: 6.52 min Scan# 1161
 Delta R.T. 0.03 min
 Lab File: VL037146.D
 Acq: 14 Jun 2021 13:01

Tgt Ion	97	Resp	637355
Ion Ratio	Lower	Upper	
97	100		
99	64.6	51.9	77.9
61	48.1	37.6	56.4





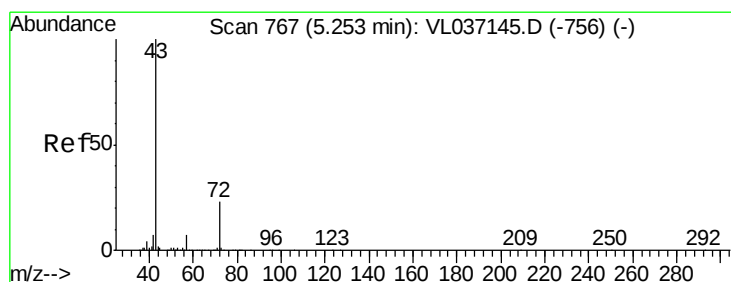
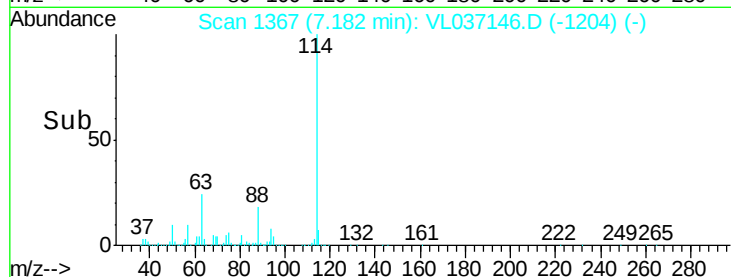
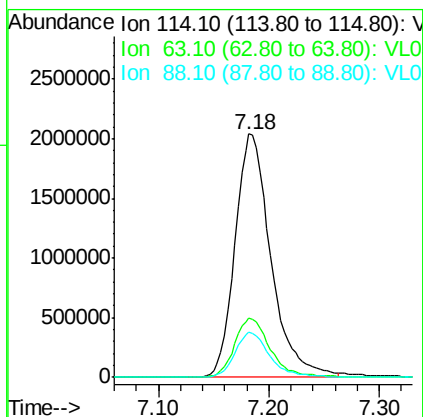
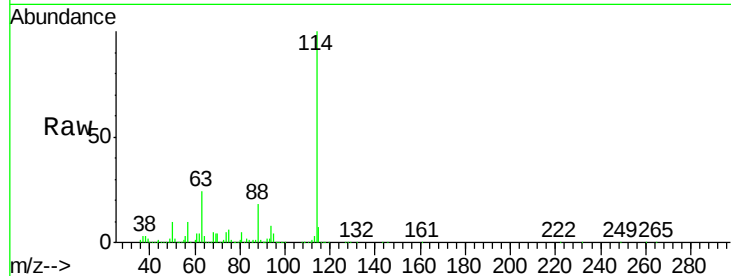
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.18 min Scan# 1367
 Delta R.T. 0.03 min
 Lab File: VL037146.D
 Acq: 14 Jun 2021 13:01

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Tot Ion:114 Resp: 4590487
 Ion Ratio Lower Upper
 114 100
 63 24.8 19.6 29.4
 88 18.0 14.6 21.8

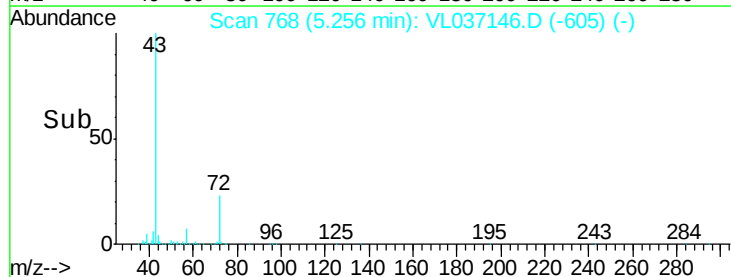
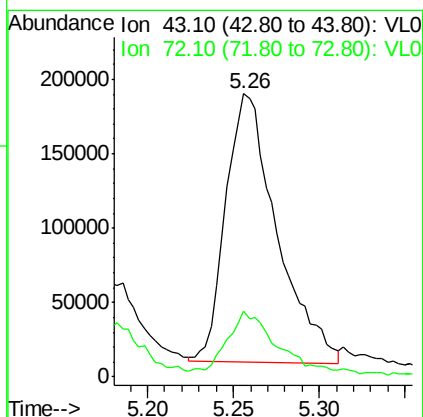
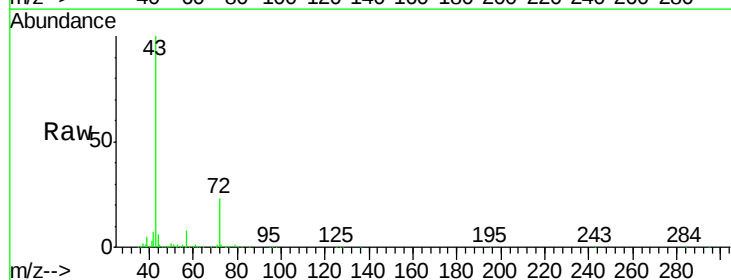
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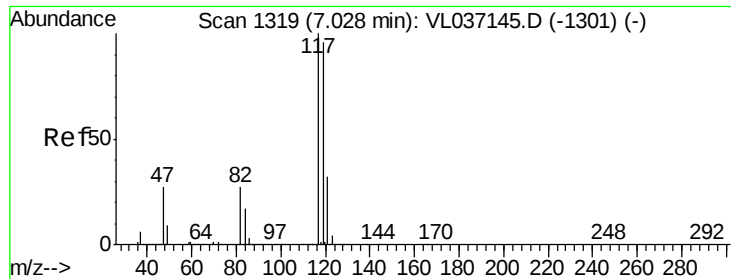
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#34
 2-Butanone
 Concen: 2.236 ppbv
 RT: 5.26 min Scan# 768
 Delta R.T. 0.03 min
 Lab File: VL037146.D
 Acq: 14 Jun 2021 13:01

Tgt Ion: 43 Resp: 373682
 Ion Ratio Lower Upper
 43 100
 72 28.0 19.0 28.4





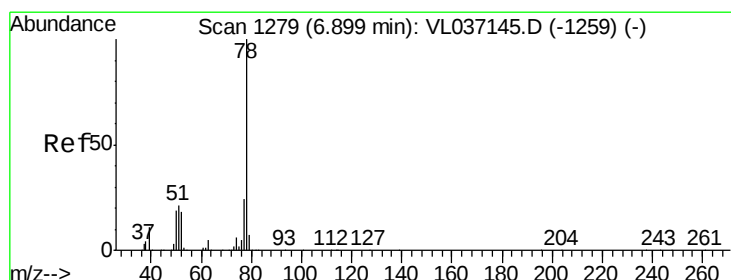
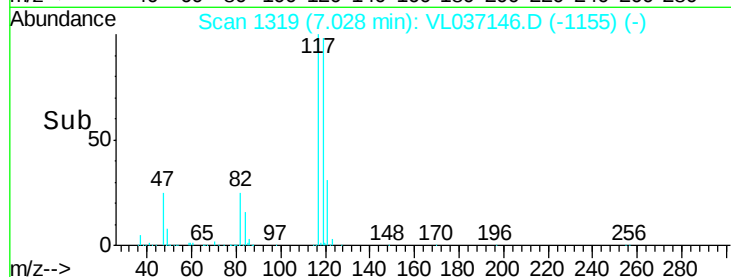
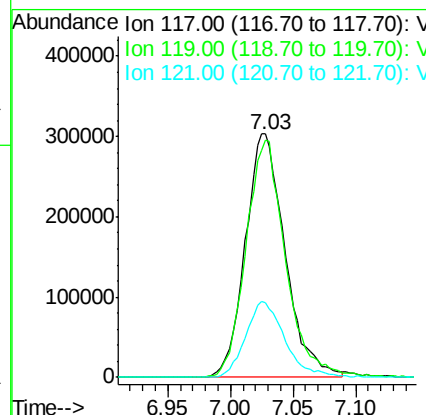
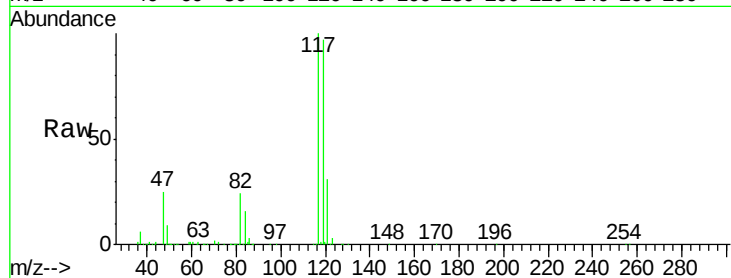
#35
Carbon Tetrachloride
Concen: 2.190 ppbv
RT: 7.03 min Scan# 1319
Delta R.T. 0.03 min
Lab File: VL037146.D
Acq: 14 Jun 2021 13:01

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion	Ratio	Lower	Upper
117	100		
119	97.3	76.6	114.8
121	30.5	25.8	38.6

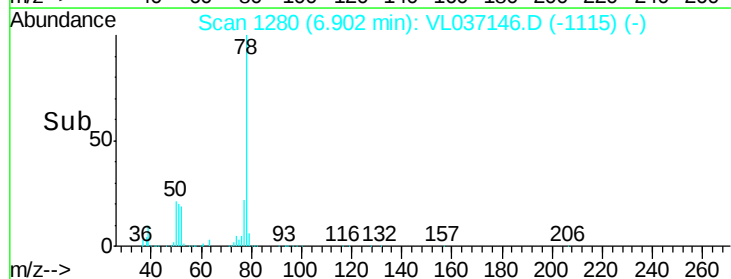
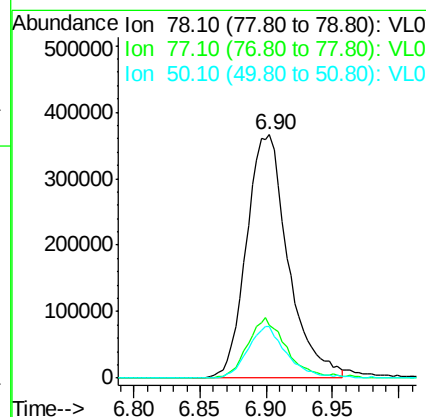
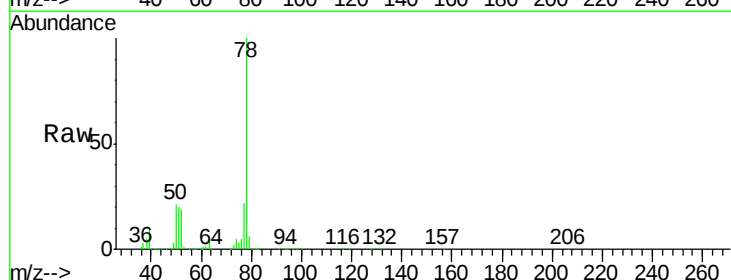
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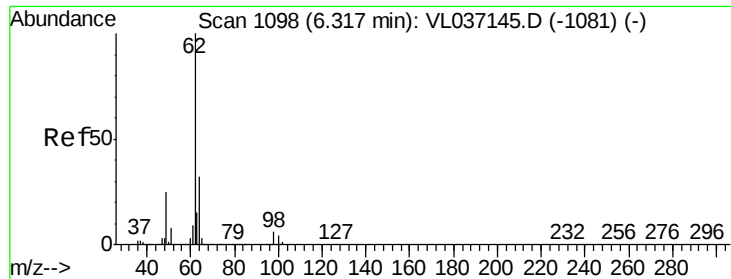
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#36
Benzene
Concen: 2.024 ppbv
RT: 6.90 min Scan# 1280
Delta R.T. 0.03 min
Lab File: VL037146.D
Acq: 14 Jun 2021 13:01

Tgt Ion	Ratio	Lower	Upper
78	100		
77	21.4	18.6	28.0
50	21.0	15.0	22.4





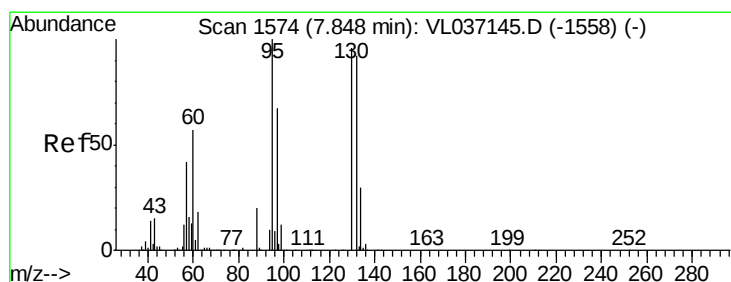
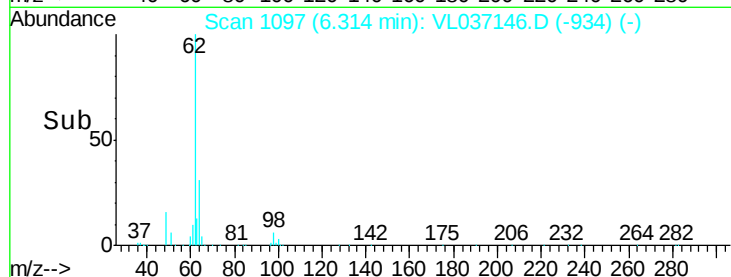
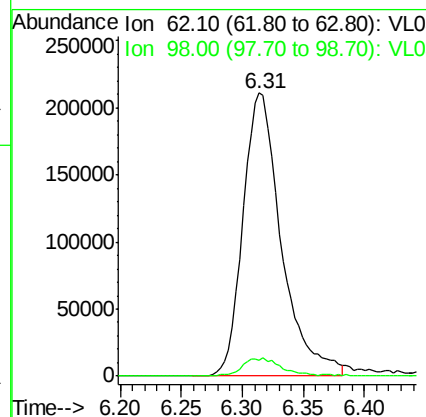
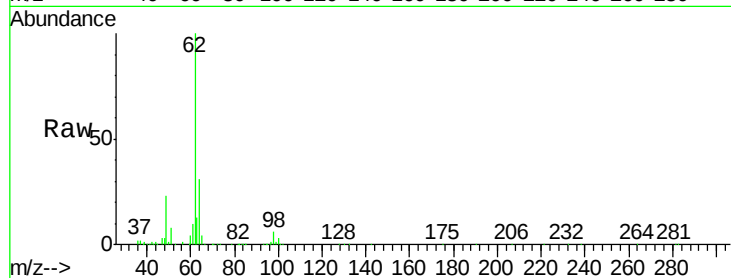
#37
 1,2-Dichloroethane
 Concen: 2.339 ppbv
 RT: 6.31 min Scan# 1097
 Delta R.T. 0.03 min
 Lab File: VL037146.D
 Acq: 14 Jun 2021 13:01

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Tot Ion	Ratio	Lower	Upper
62	100		
98	6.8	5.5	8.3

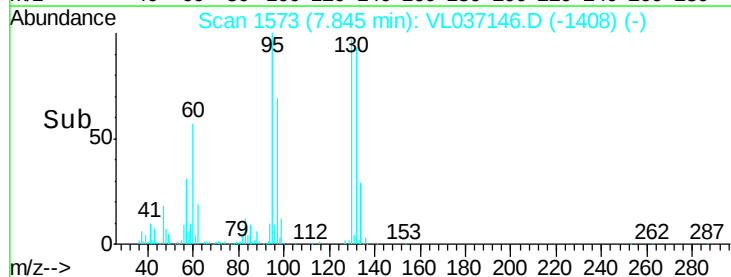
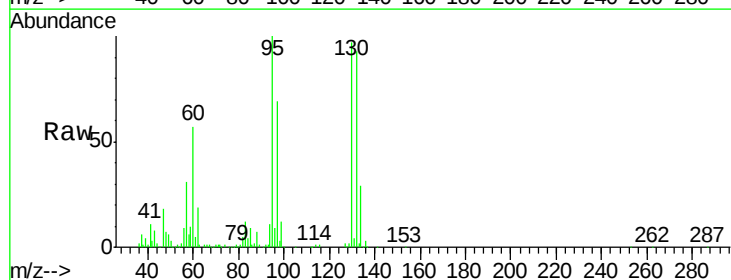
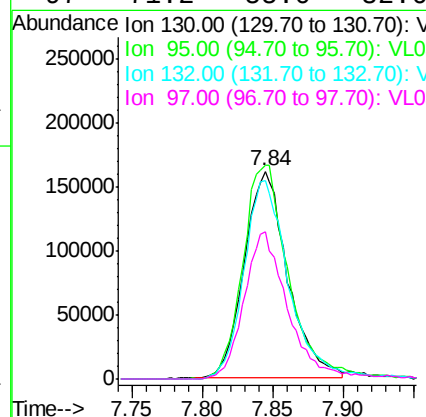
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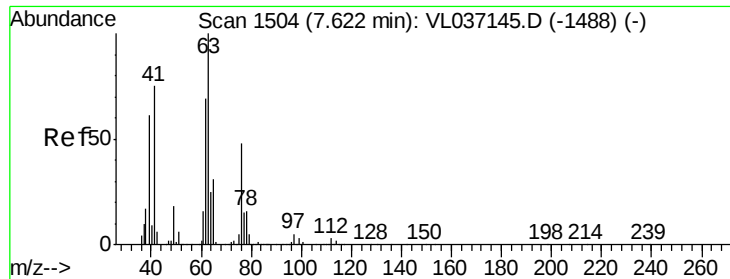
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#38
 Trichloroethene
 Concen: 2.072 ppbv
 RT: 7.84 min Scan# 1573
 Delta R.T. 0.03 min
 Lab File: VL037146.D
 Acq: 14 Jun 2021 13:01

Tgt Ion	Ratio	Lower	Upper
130	100		
95	103.0	86.9	130.3
132	96.2	78.4	117.6
97	71.2	55.0	82.6





#39

1,2-Dichloropropane

Concen: 2.027 ppbv m

RT: 7.63 min Scan# 1505

Delta R.T. 0.03 min

Lab File: VL037146.D

Acq: 14 Jun 2021 13:01

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tot Ion: 63 Resp: 308783

Ion Ratio Lower Upper

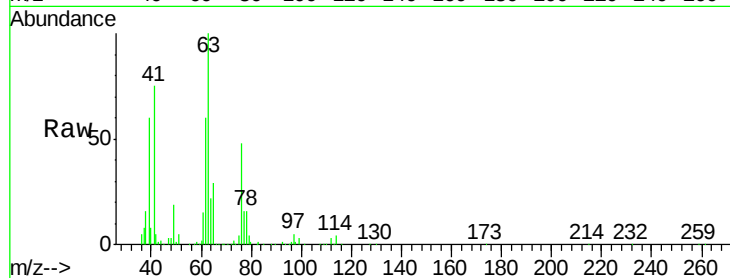
63 100

41 74.7 55.7 83.5

62 60.4 56.2 84.4

Manual Integrations
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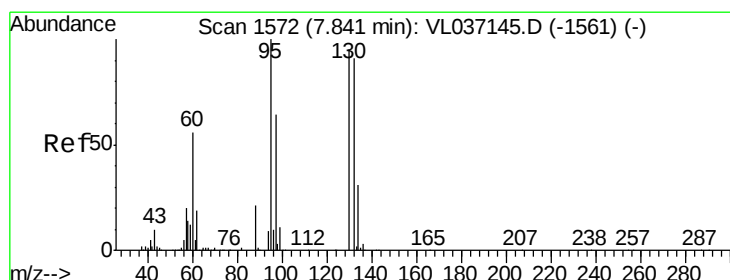
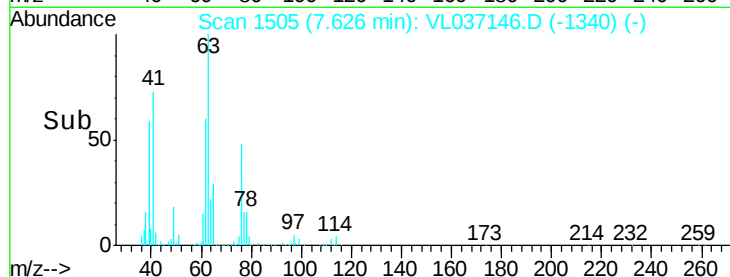
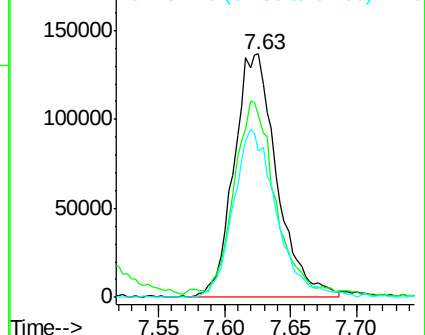
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Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 62.10 (61.80 to 62.80): VL0



#40

1,4-Dioxane

Concen: 2.285 ppbv m

RT: 7.86 min Scan# 1579

Delta R.T. 0.05 min

Lab File: VL037146.D

Acq: 14 Jun 2021 13:01

Tgt Ion: 88 Resp: 82196

Ion Ratio Lower Upper

88 100

58 156.2 0.0 0.0#

43 373.1 0.0 0.0#

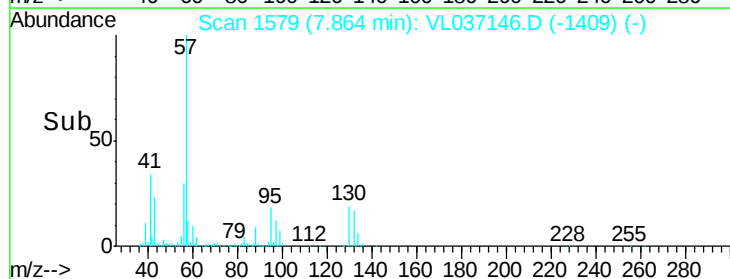
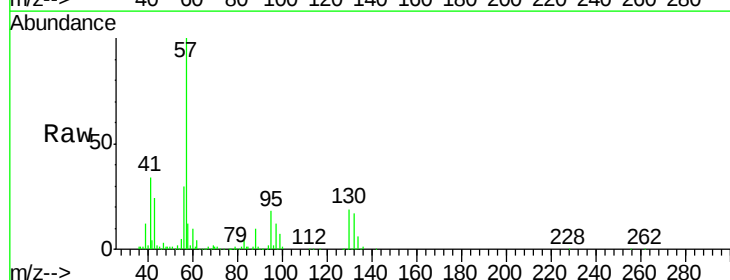
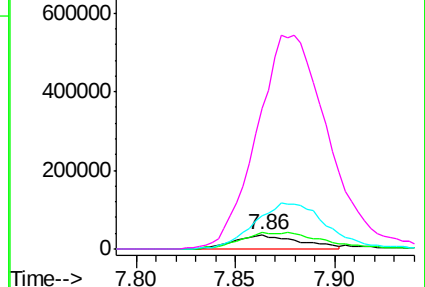
57 1682.0 0.0 0.0#

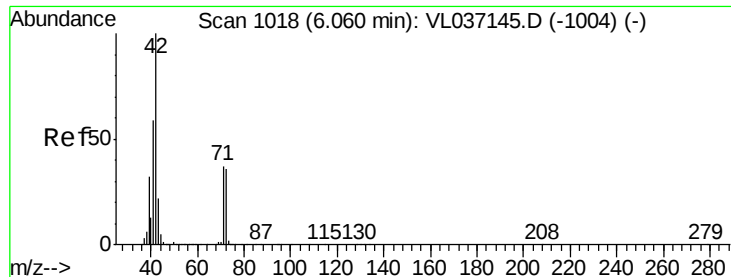
Abundance Ion 88.10 (87.80 to 88.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





#41

Tetrahydrofuran

Concen: 1.951 ppbv m

RT: 6.07 min Scan# 1022

Delta R.T. 0.04 min

Lab File: VL037146.D

Acq: 14 Jun 2021 13:01

Instrument :

MSVOA_L

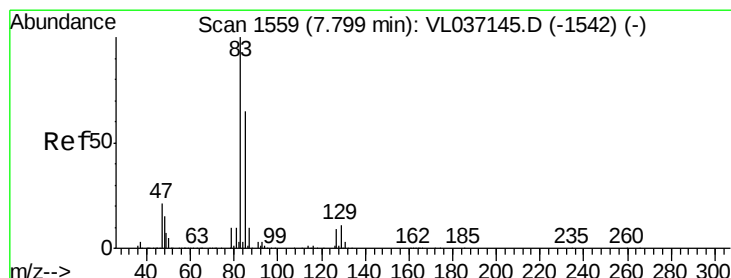
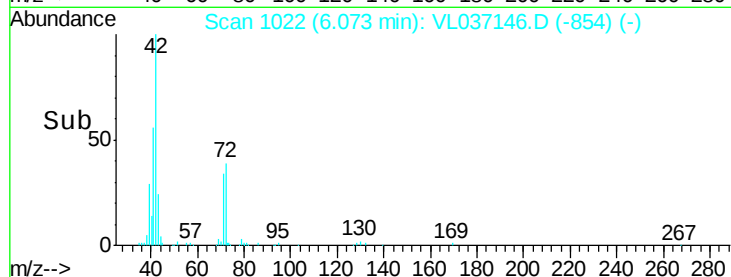
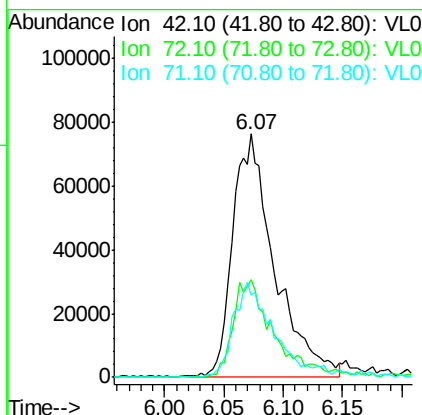
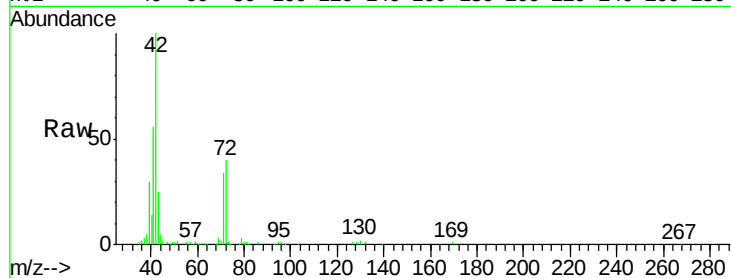
ClientSampleId :

VSTDIC002

Tot Ion:	42	Resp:	185753
Ion Ratio	Lower	Upper	
42	100		
72	0.0	31.4	47.2#
71	0.0	30.4	45.6#

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#42

Bromodichloromethane

Concen: 2.116 ppbv

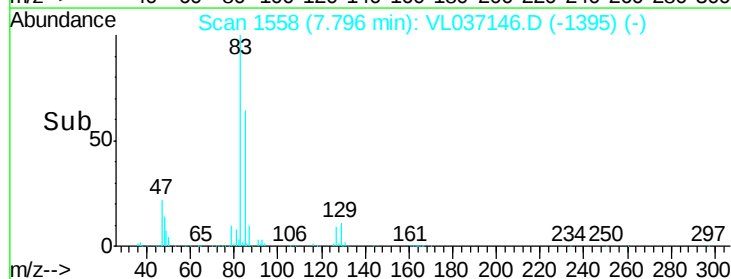
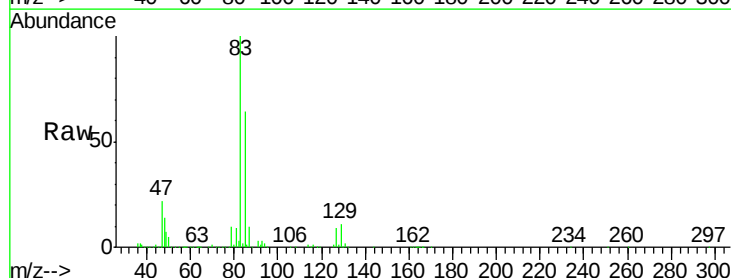
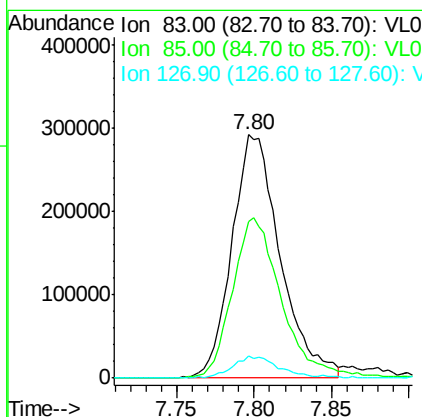
RT: 7.80 min Scan# 1558

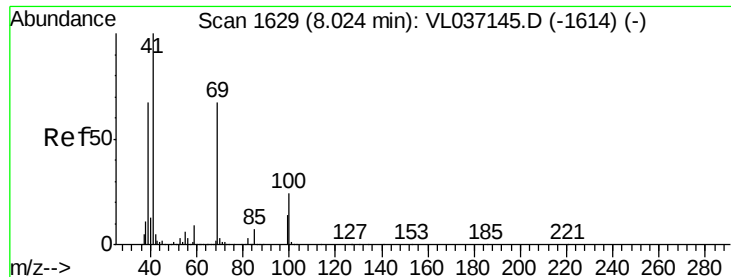
Delta R.T. 0.03 min

Lab File: VL037146.D

Acq: 14 Jun 2021 13:01

Tgt Ion:	83	Resp:	627632
Ion Ratio	Lower	Upper	
83	100		
85	64.2	51.7	77.5
127	9.0	6.9	10.3





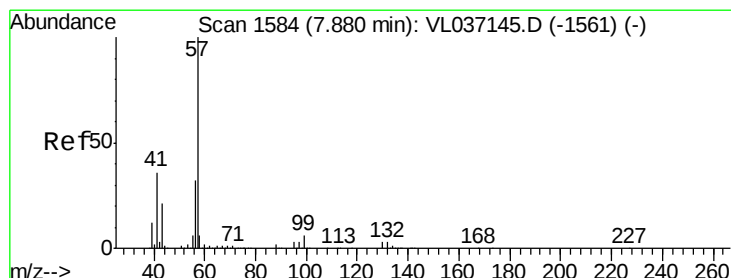
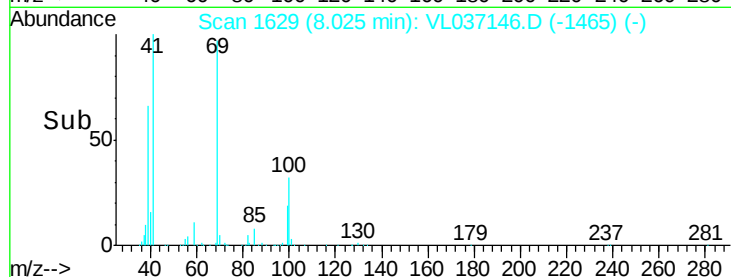
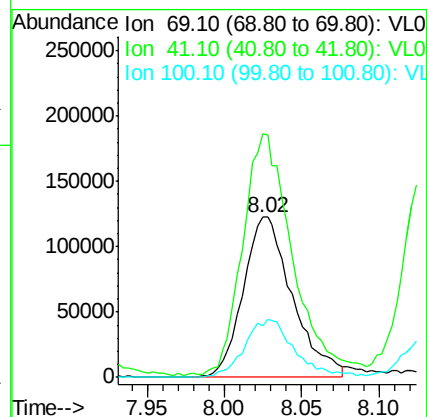
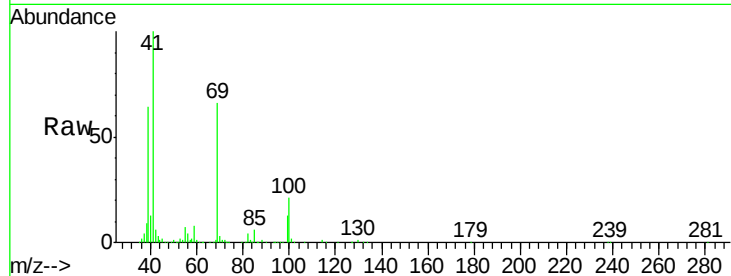
#43
Methvl Methacrilate
Concen: 1.990 ppbv
RT: 8.02 min Scan# 1629
Delta R.T. 0.03 min
Lab File: VL037146.D
Acq: 14 Jun 2021 13:01

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion	Ion	Ratio	Lower	Upper
69	100			
41	155.2	118.6	178.0	
100	36.9	28.2	42.4	

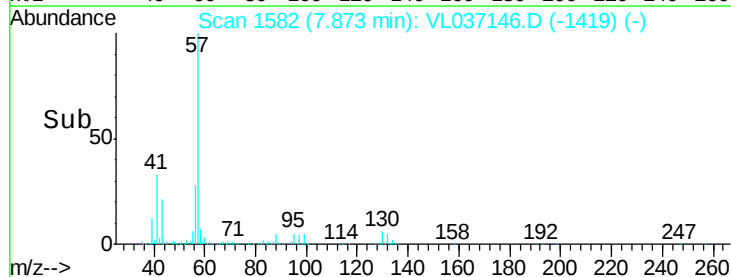
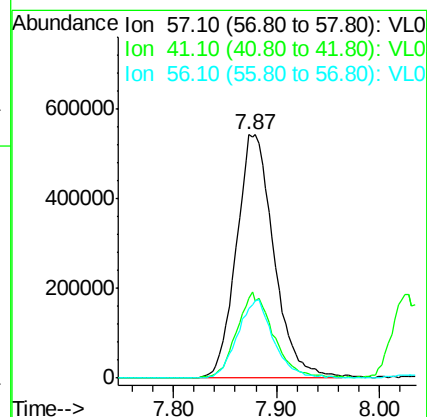
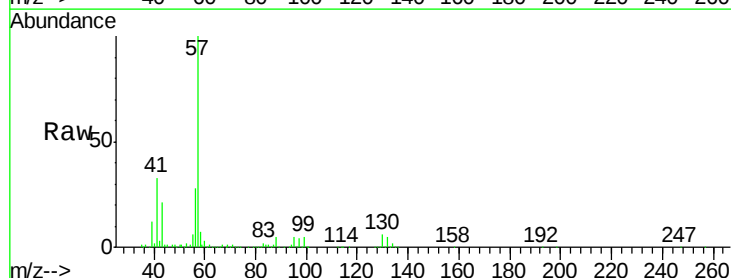
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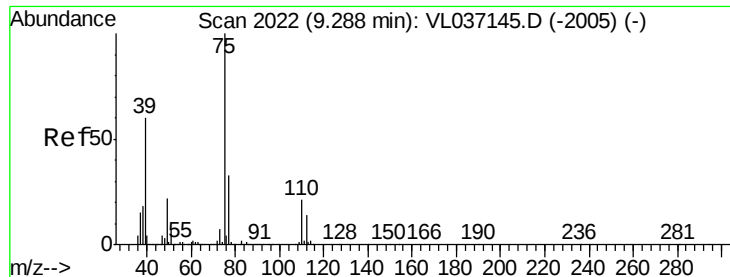
MMDadoda
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#44
2,2,4-Trimethylpentane
Concen: 2.026 ppbv
RT: 7.87 min Scan# 1582
Delta R.T. 0.03 min
Lab File: VL037146.D
Acq: 14 Jun 2021 13:01

Tgt Ion	Ion	Ratio	Lower	Upper
57	100			
41	34.2	27.0	40.4	
56	31.0	25.4	38.2	





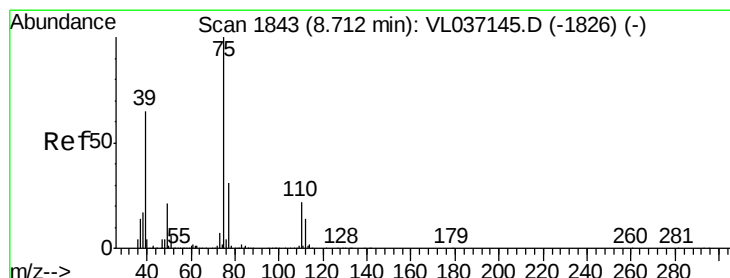
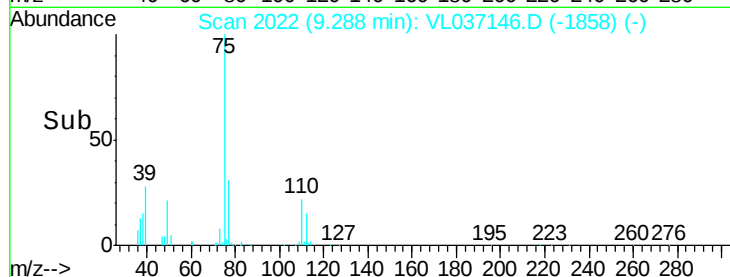
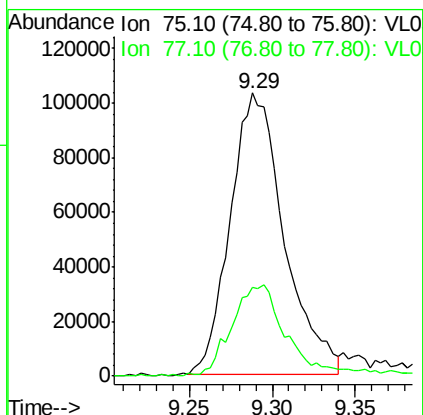
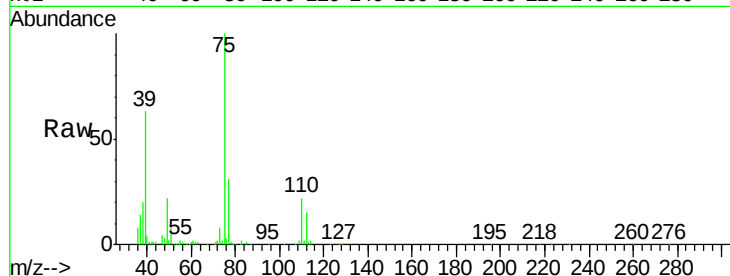
#45
t-1,3-Dichloropropene
Concen: 2.240 ppbv
RT: 9.29 min Scan# 2022
Delta R.T. 0.03 min
Lab File: VL037146.D
Acq: 14 Jun 2021 13:01

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.5	24.4	36.6

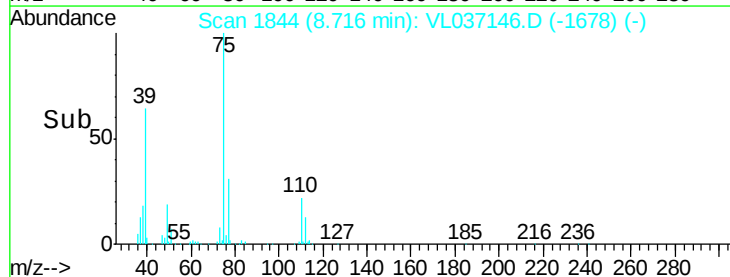
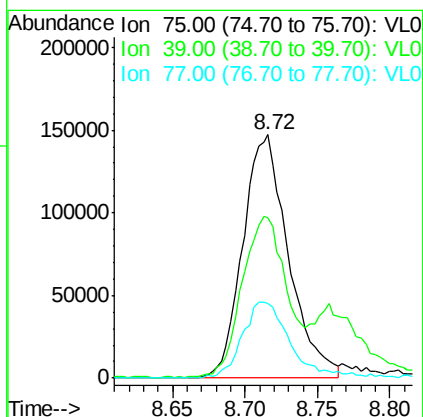
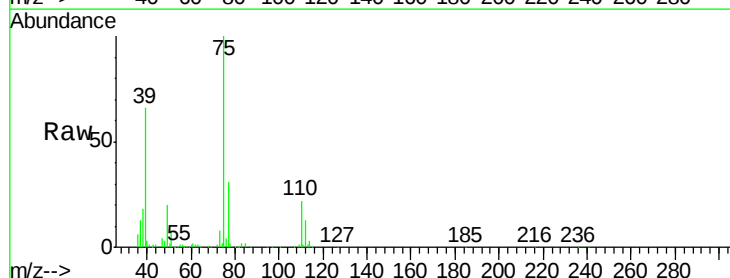
Manual Integrations
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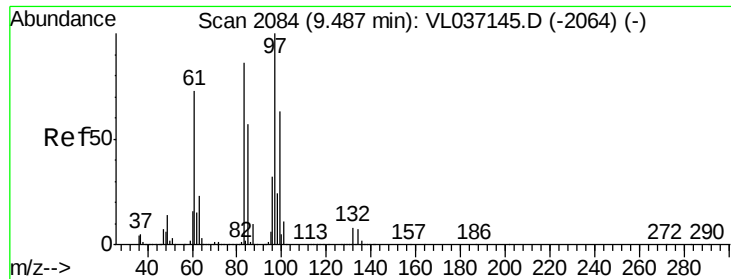
MMDadoda
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#46
cis-1,3-Dichloropropene
Concen: 2.302 ppbv
RT: 8.72 min Scan# 1844
Delta R.T. 0.04 min
Lab File: VL037146.D
Acq: 14 Jun 2021 13:01

Tgt Ion	Ratio	Lower	Upper
75	100		
39	64.9	51.5	77.3
77	30.8	25.9	38.9





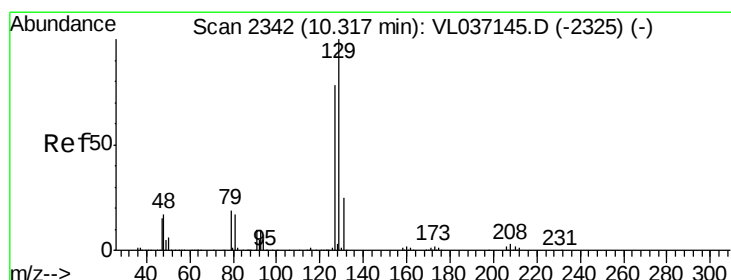
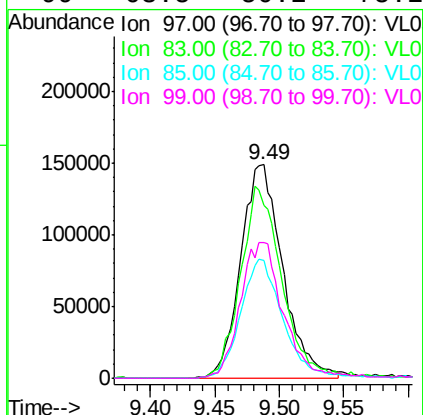
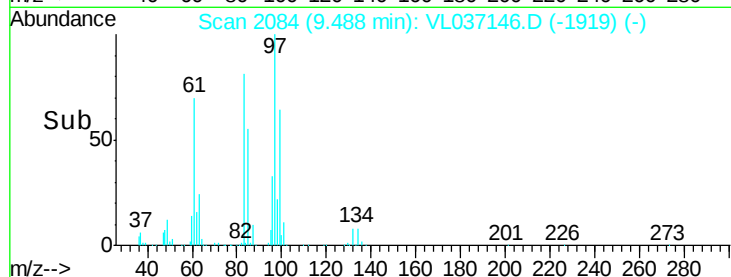
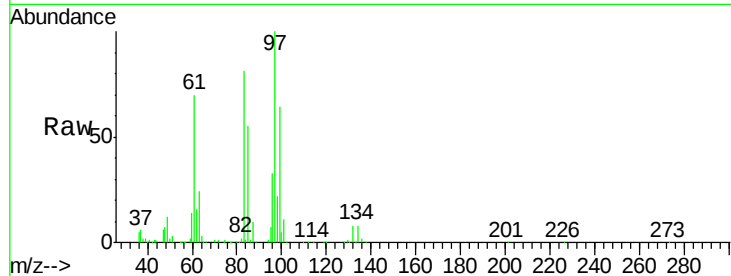
#47
 1,1,2-Trichloroethane
 Concen: 2.119 ppbv
 RT: 9.49 min Scan# 2084
 Delta R.T. 0.03 min
 Lab File: VL037146.D
 Acq: 14 Jun 2021 13:01

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		337739		
83	80.9	70.4	105.6		
85	55.3	45.5	68.3		
99	63.5	50.2	75.2		

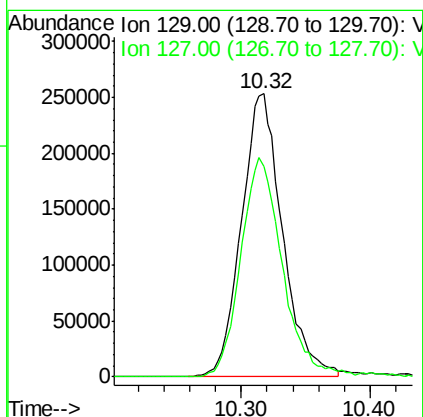
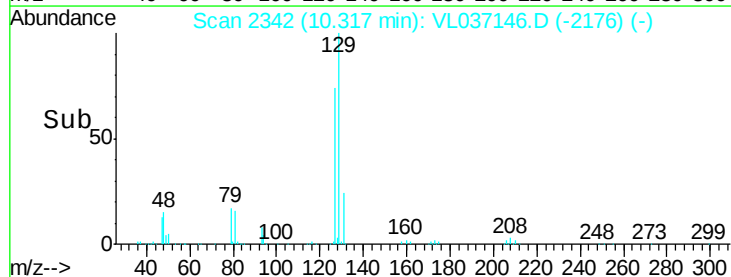
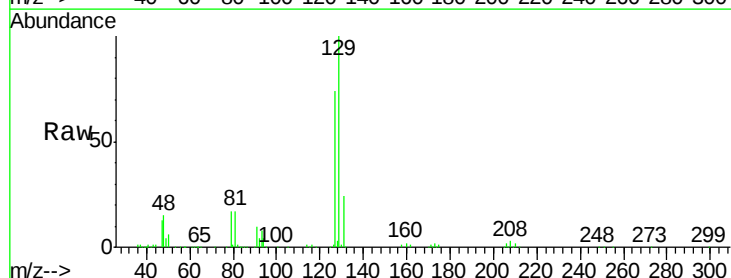
Manual Integrations
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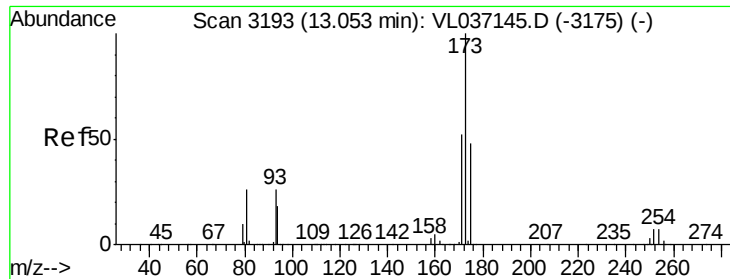
MMDadoda
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#48
 Dibromochloromethane
 Concen: 2.174 ppbv
 RT: 10.32 min Scan# 2342
 Delta R.T. 0.04 min
 Lab File: VL037146.D
 Acq: 14 Jun 2021 13:01

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
129	100		561069		
127	79.3	39.3	117.8		





#49

Bromoform

Concen: 2.036 ppbv

RT: 13.05 min Scan# 3192

Delta R.T. 0.03 min

Lab File: VL037146.D

Acq: 14 Jun 2021 13:01

Instrument :

MSVOA_L

ClientSampled :

VSTDIC002

Tot Ion: 173 Resp: 433978

Ion Ratio Lower Upper

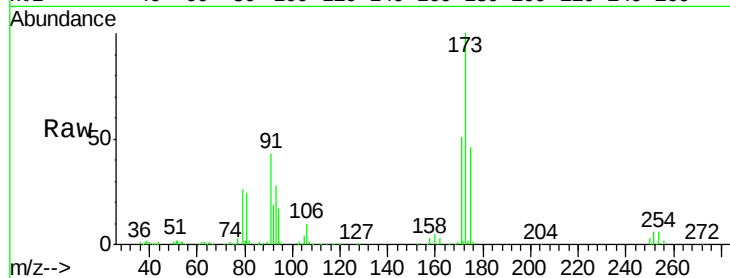
173 100

175 50.7 40.4 60.6

171 54.6 42.6 64.0

Manual Integrations
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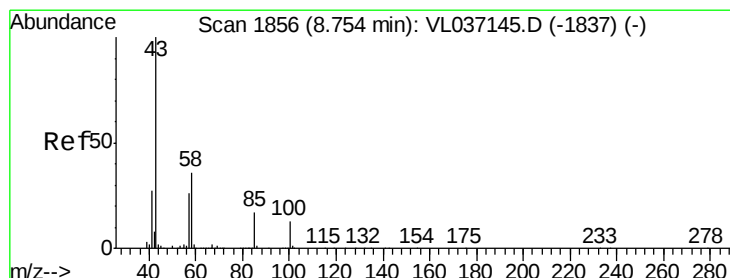
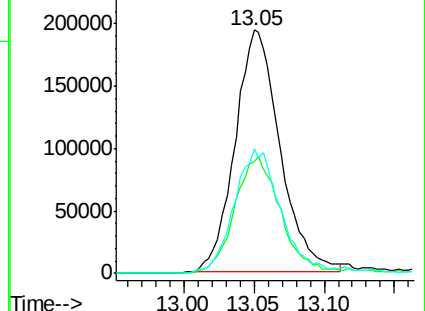
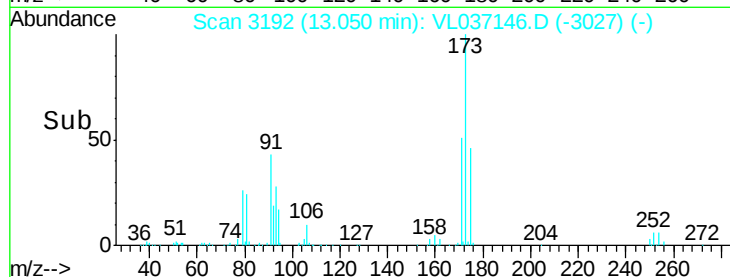
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Abundance Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 170.90 (170.60 to 171.60): V



#50

4-Methyl-2-Pentanone

Concen: 1.972 ppbv

RT: 8.76 min Scan# 1859

Delta R.T. 0.04 min

Lab File: VL037146.D

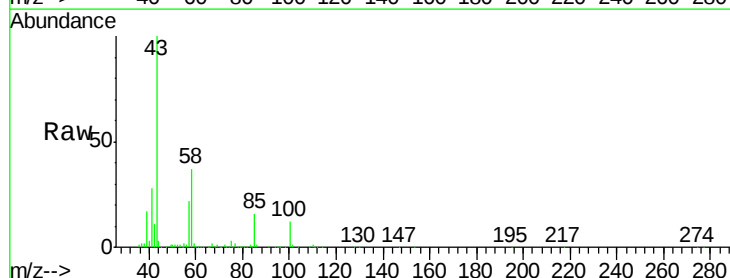
Acq: 14 Jun 2021 13:01

Tgt Ion: 43 Resp: 543862

Ion Ratio Lower Upper

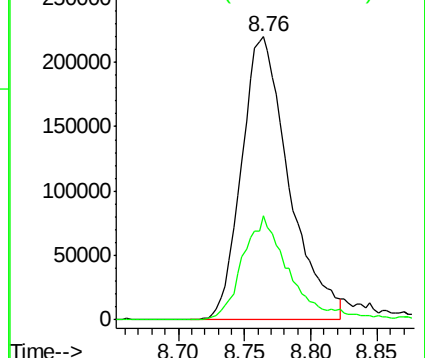
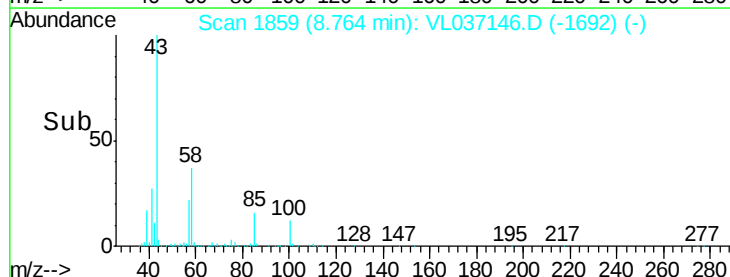
43 100

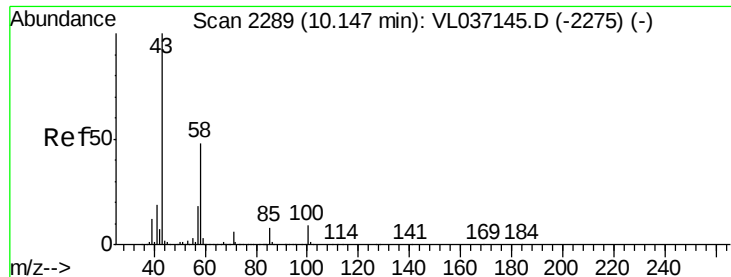
58 37.5 29.4 44.2



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0





#51

2-Hexanone

Concen: 1.791 ppbv

RT: 10.16 min Scan# 2294

Delta R.T. 0.05 min

Lab File: VL037146.D

Acq: 14 Jun 2021 13:01

Instrument :

MSVOA_L

ClientSampleId :

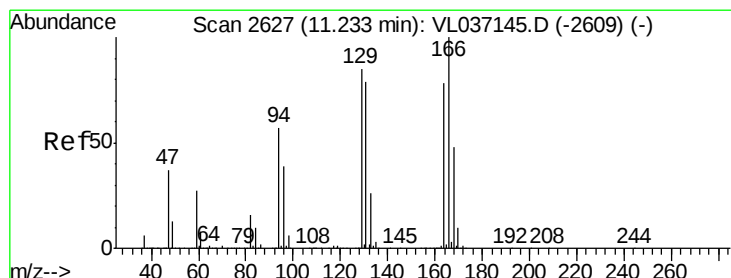
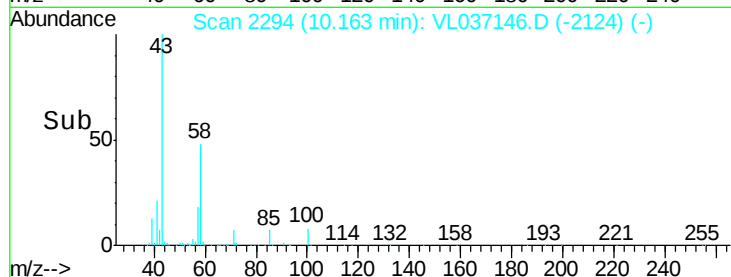
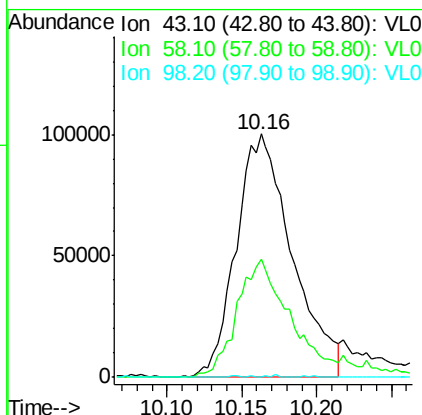
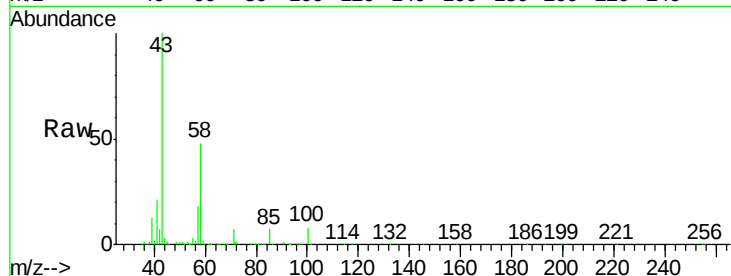
VSTDIC002

Tot Ion: 43 Resp: 261203

Ion	Ratio	Lower	Upper
43	100		
58	51.4	41.1	61.7
98	0.7	0.1	0.1#

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#52

Tetrachloroethene

Concen: 2.183 ppbv

RT: 11.23 min Scan# 2627

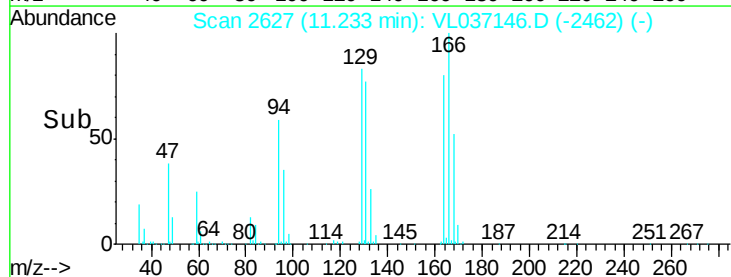
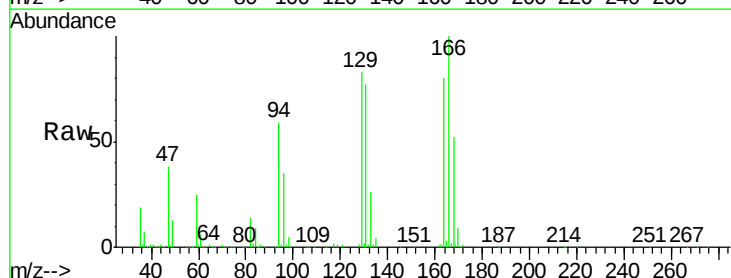
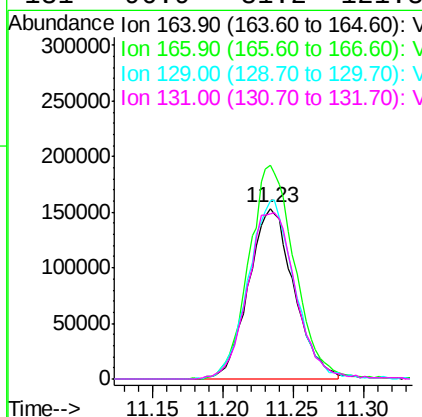
Delta R.T. 0.03 min

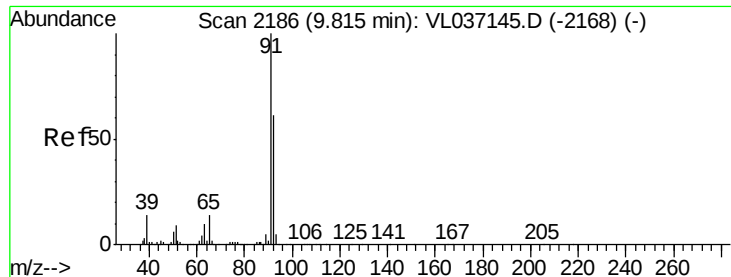
Lab File: VL037146.D

Acq: 14 Jun 2021 13:01

Tgt Ion: 164 Resp: 343270

Ion	Ratio	Lower	Upper
164	100		
166	125.3	105.5	158.3
129	104.3	81.8	122.8
131	96.9	81.2	121.8





#53

Toluene

Concen: 2.062 ppbv

RT: 9.82 min Scan# 2186

Delta R.T. 0.03 min

Lab File: VL037146.D

Acq: 14 Jun 2021 13:01

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tot Ion: 91 Resp: 970263

Ion Ratio Lower Upper

91 100

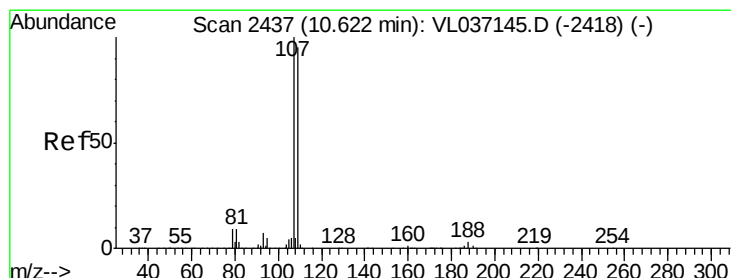
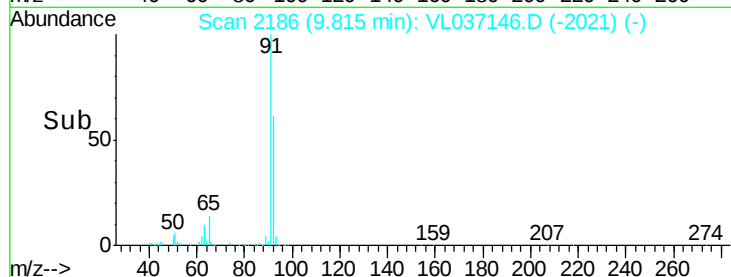
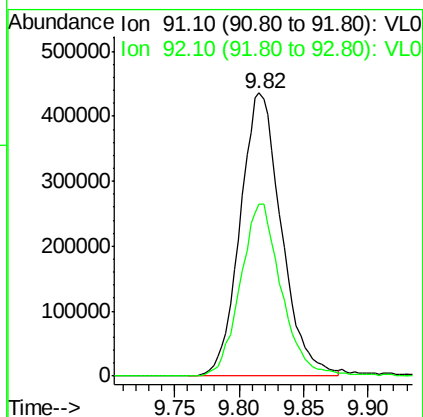
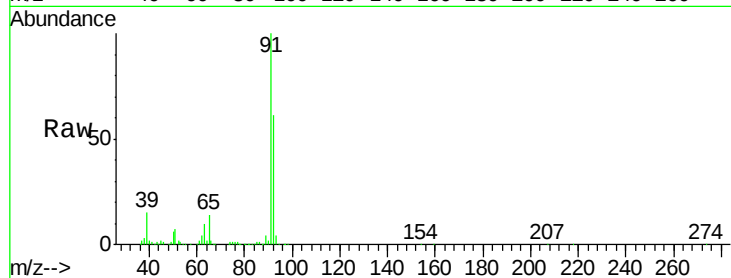
92 61.0 49.5 74.3

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#54

1,2-Dibromoethane

Concen: 2.178 ppbv

RT: 10.62 min Scan# 2437

Delta R.T. 0.04 min

Lab File: VL037146.D

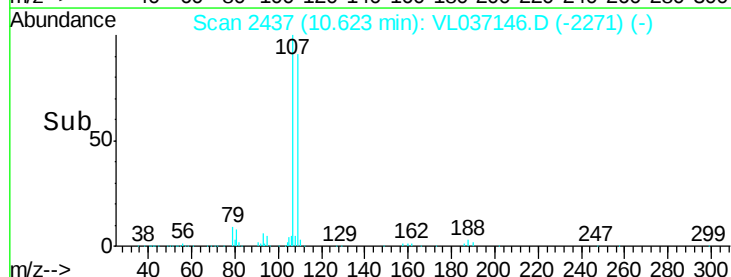
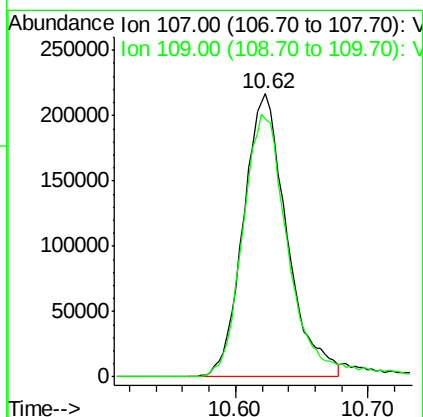
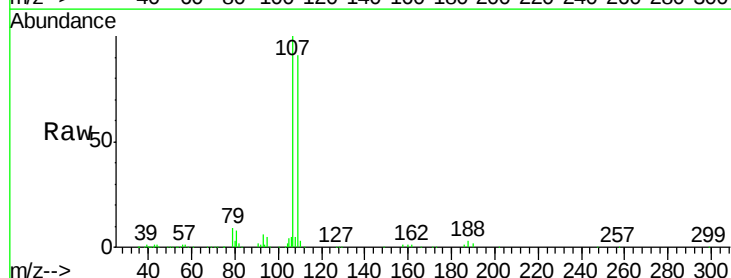
Acq: 14 Jun 2021 13:01

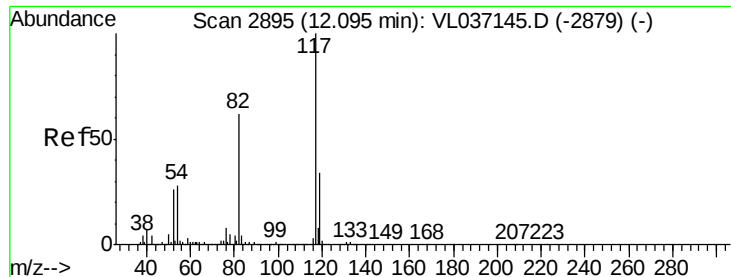
Tgt Ion: 107 Resp: 493744

Ion Ratio Lower Upper

107 100

109 91.1 75.0 112.4





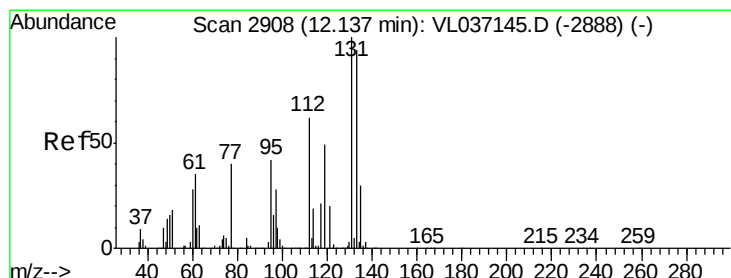
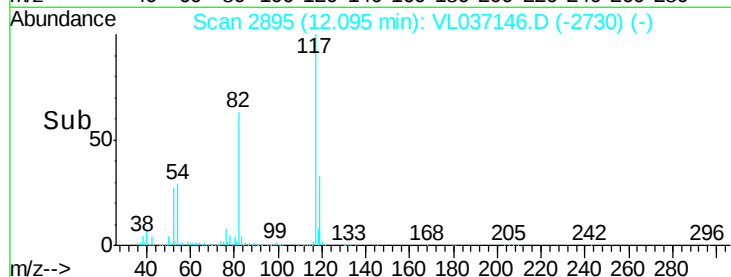
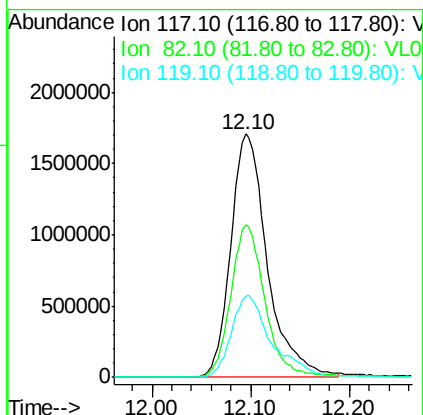
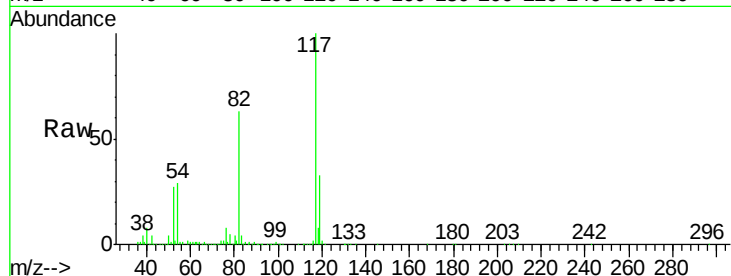
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.10 min Scan# 2895
Delta R.T. 0.03 min
Lab File: VL037146.D
Acq: 14 Jun 2021 13:01

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion	Ratio	Lower	Upper
117	100		
82	59.7	52.6	79.0
119	37.5	46.6	70.0#

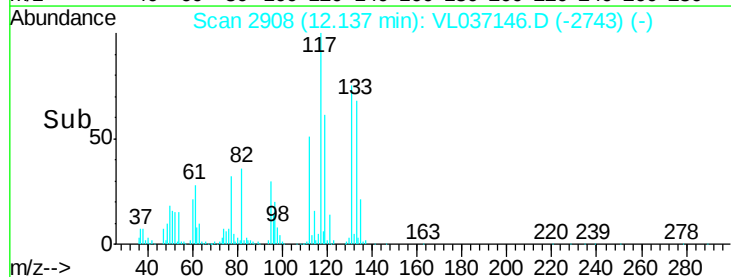
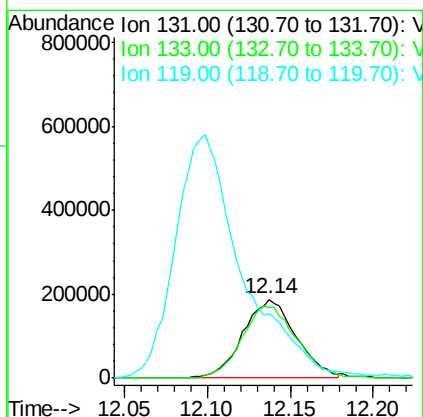
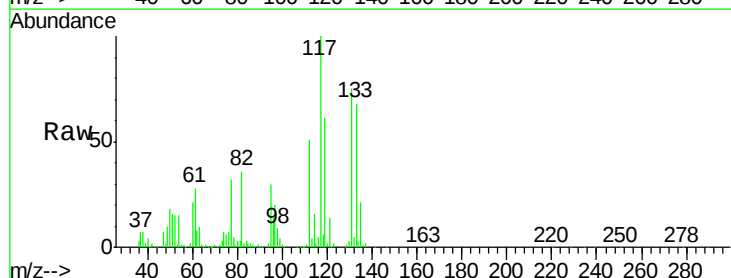
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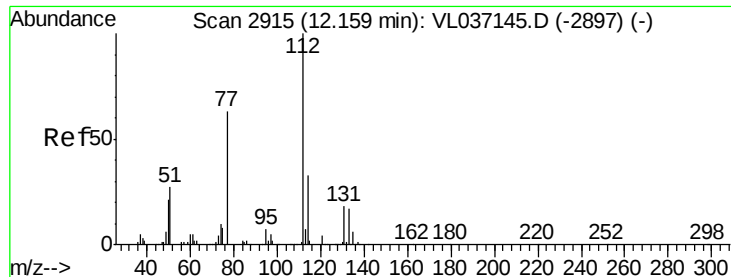
MMDadoda
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#56
1,1,1,2-Tetrachloroethane
Concen: 2.227 ppbv
RT: 12.14 min Scan# 2908
Delta R.T. 0.03 min
Lab File: VL037146.D
Acq: 14 Jun 2021 13:01

Tgt Ion	Ratio	Lower	Upper
131	100		
133	96.1	76.9	115.3
119	403.3	120.2	180.4#





#57

Chlorobenzene

Concen: 2.277 ppbv

RT: 12.16 min Scan# 2914

Delta R.T. 0.03 min

Lab File: VL037146.D

Acq: 14 Jun 2021 13:01

Instrument :

MSVOA_L

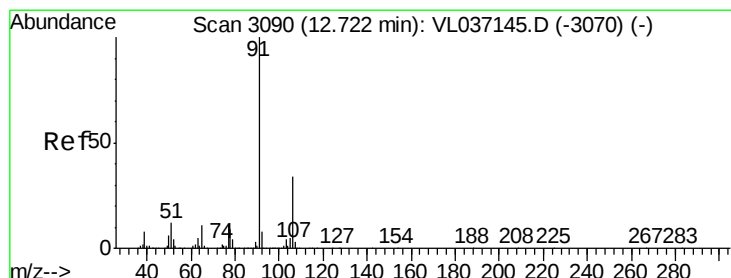
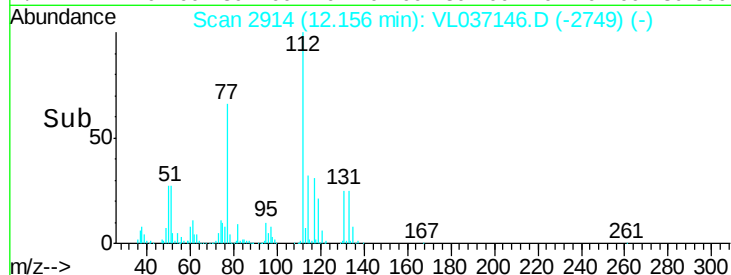
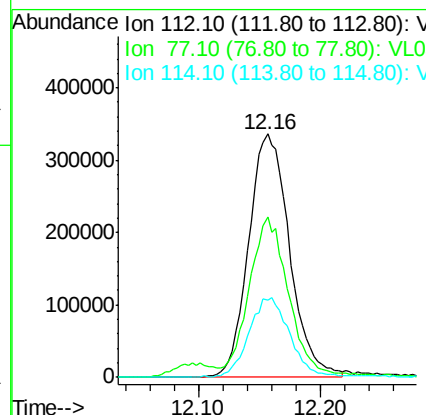
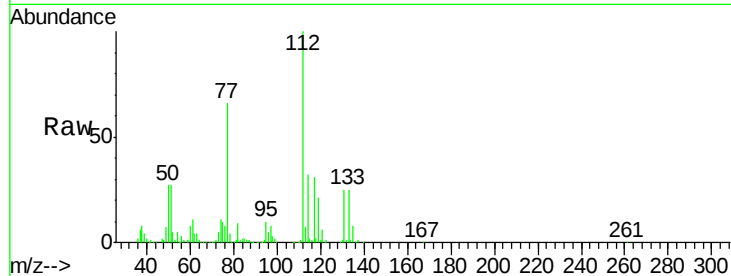
ClientSampleId :

VSTDIC002

Tot Ion:	112	Resp:	776484
Ion Ratio	Lower	Upper	
112	100		
77	64.0	51.0	76.6
114	31.3	28.3	34.5

Manual Integrations
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#58

Ethyl Benzene

Concen: 2.143 ppbv

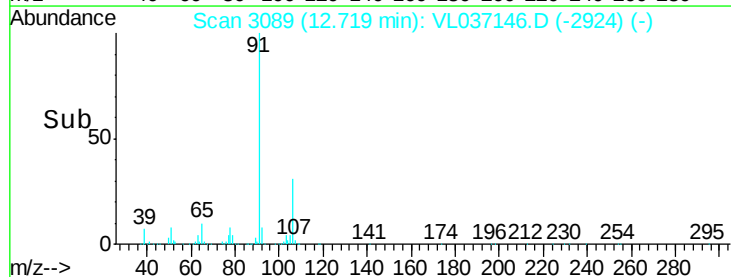
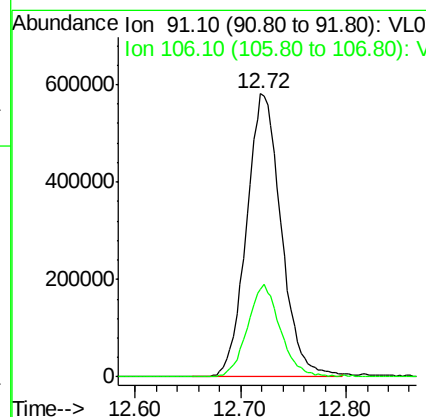
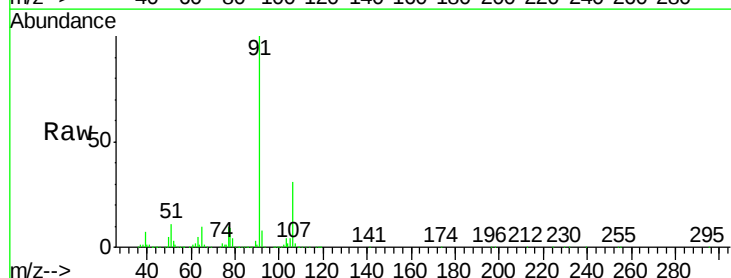
RT: 12.72 min Scan# 3089

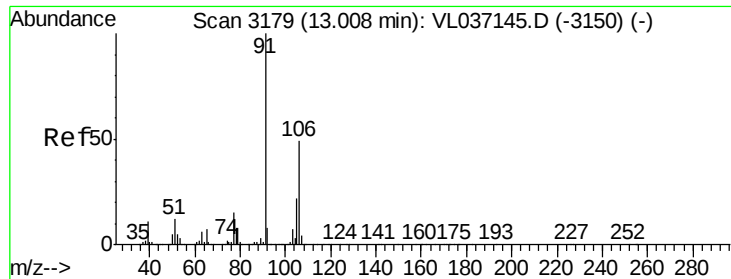
Delta R.T. 0.03 min

Lab File: VL037146.D

Acq: 14 Jun 2021 13:01

Tgt Ion:	91	Resp:	1330329
Ion Ratio	Lower	Upper	
91	100		
106	31.0	25.6	38.4





#59

m/p-Xylene

Concen: 4.371 ppbv m

RT: 13.01 min Scan# 3178

Delta R.T. 0.03 min

Lab File: VL037146.D

Acq: 14 Jun 2021 13:01

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tot Ion: 91 Resp: 2242884

Ion Ratio Lower Upper

91 100

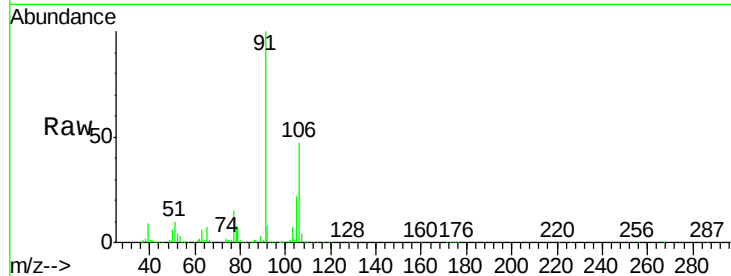
106 44.9 37.4 56.2

Manual Integrations

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Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V

13.01

600000

500000

400000

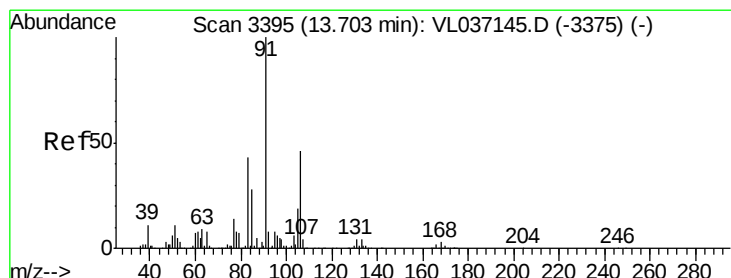
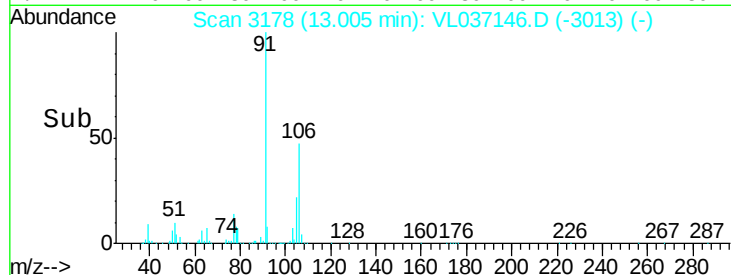
300000

200000

100000

0

Time-->



#60

o-Xylene

Concen: 2.208 ppbv

RT: 13.70 min Scan# 3395

Delta R.T. 0.03 min

Lab File: VL037146.D

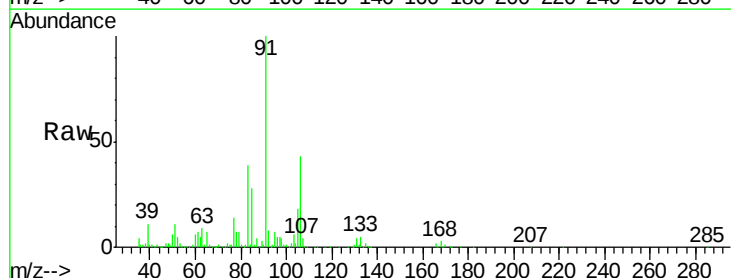
Acq: 14 Jun 2021 13:01

Tgt Ion: 91 Resp: 1080520

Ion Ratio Lower Upper

91 100

106 45.0 23.4 70.3



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V

13.70

500000

400000

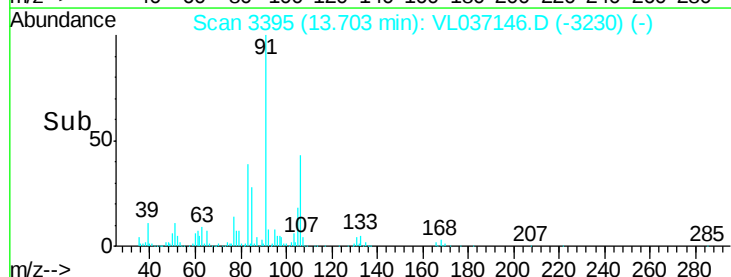
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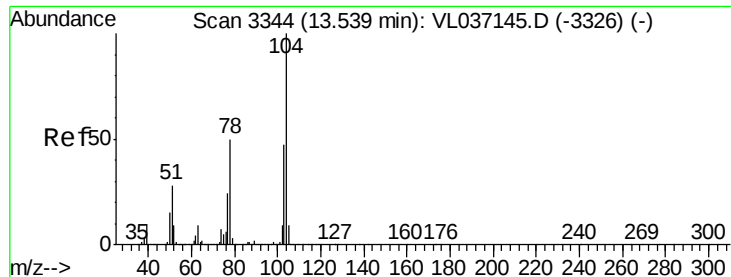
200000

100000

0

Time-->





#61

Stvrene

Concen: 2.022 ppbv

RT: 13.54 min Scan# 3344

Delta R.T. 0.03 min

Lab File: VL037146.D

Acq: 14 Jun 2021 13:01

Instrument :

MSVOA_L

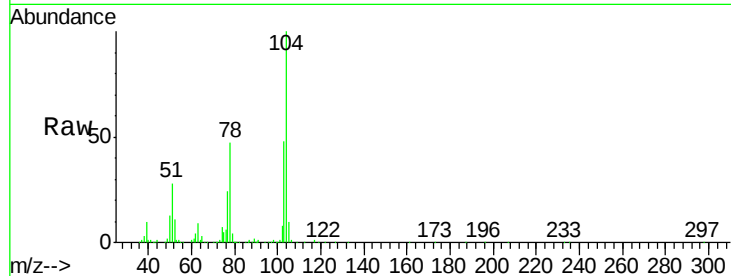
ClientSampleId :

VSTDIC002

Tot Ion:	104	Resp:	557360
Ion Ratio	Lower	Upper	
104	100		
78	52.1	39.0	58.6
103	50.1	38.0	57.0

Manual Integrations
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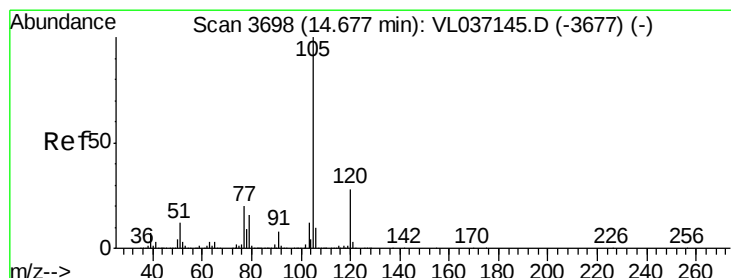
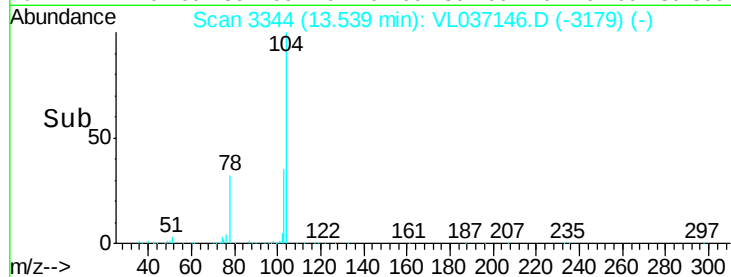
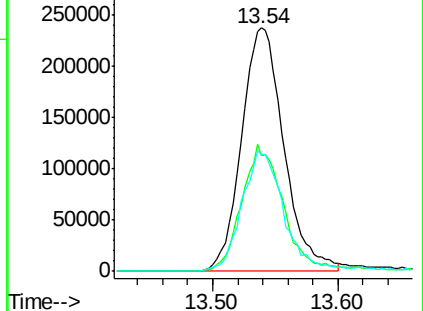
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Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VL0

Ion 103.10 (102.80 to 103.80): V



#62

Isopropylbenzene

Concen: 2.177 ppbv

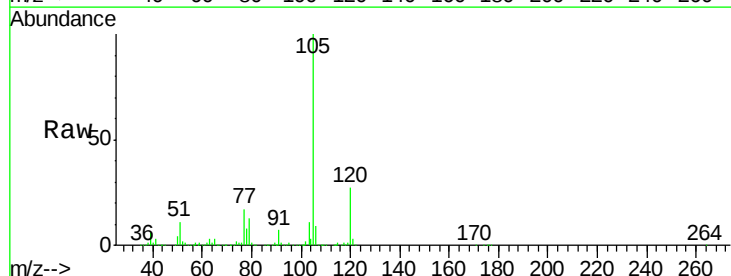
RT: 14.68 min Scan# 3699

Delta R.T. 0.04 min

Lab File: VL037146.D

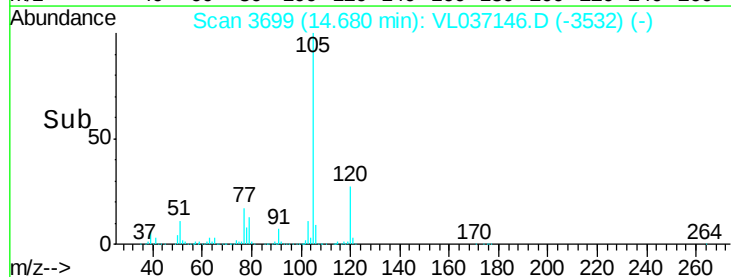
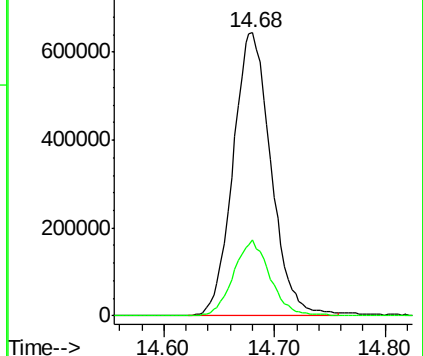
Acq: 14 Jun 2021 13:01

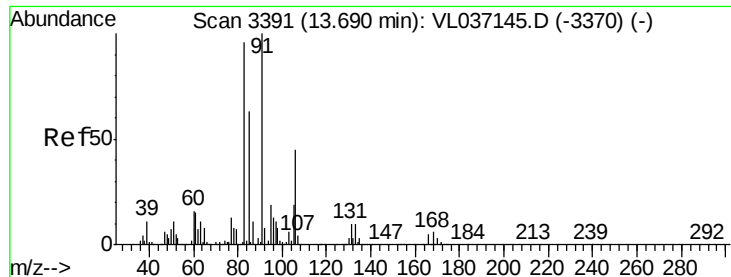
Tgt Ion:	105	Resp:	1530954
Ion Ratio	Lower	Upper	
105	100		
120	26.3	21.7	32.5



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: 1.977 ppbv

RT: 13.69 min Scan# 3390

Delta R.T. 0.03 min

Lab File: VL037146.D

Acq: 14 Jun 2021 13:01

Instrument :

MSVOA_L

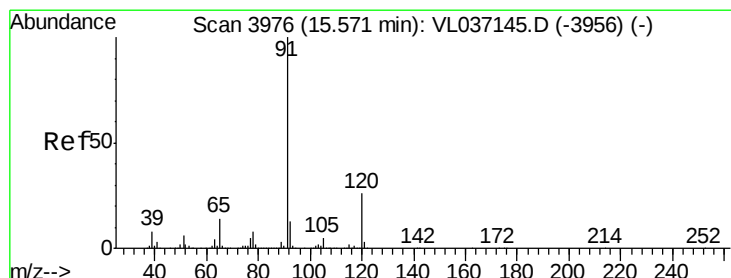
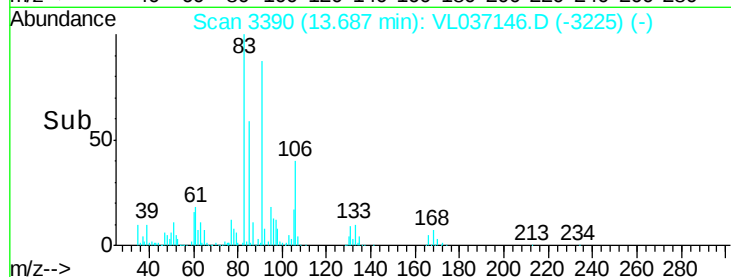
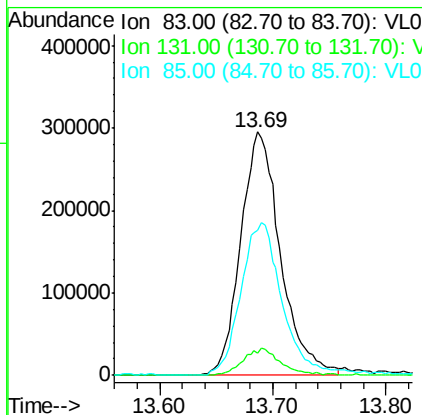
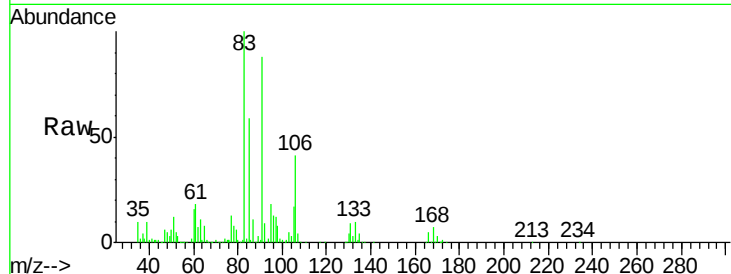
ClientSampleId :

VSTDIC002

Tot Ion:	83	Resp:	722488
Ion Ratio	Lower	Upper	
83	100		
131	10.8	5.0	15.0
85	66.1	32.9	98.6

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#64

n-propylbenzene

Concen: 2.152 ppbv

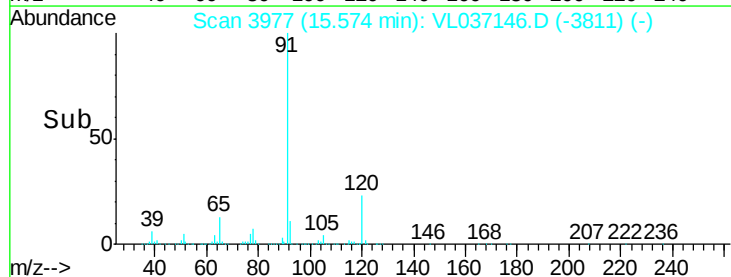
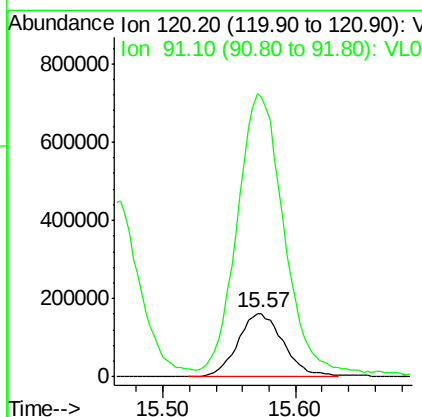
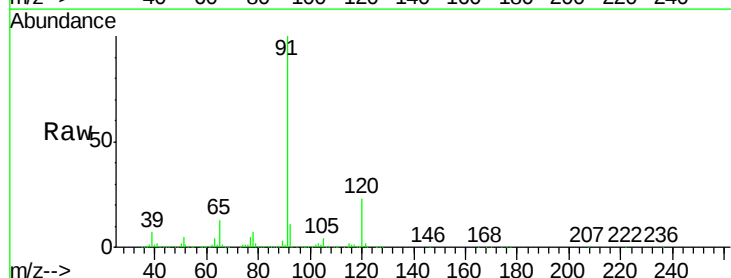
RT: 15.57 min Scan# 3977

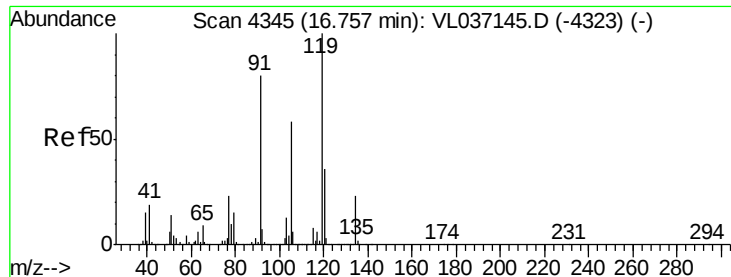
Delta R.T. 0.04 min

Lab File: VL037146.D

Acq: 14 Jun 2021 13:01

Tgt Ion:	120	Resp:	390461
Ion Ratio	Lower	Upper	
120	100		
91	465.3	343.8	515.6





#65

tert-Butylbenzene

Concen: 2.246 ppbv m

RT: 16.76 min Scan# 4345

Delta R.T. 0.04 min

Lab File: VL037146.D

Acq: 14 Jun 2021 13:01

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tot Ion:119 Resp: 1425262

Ion Ratio Lower Upper

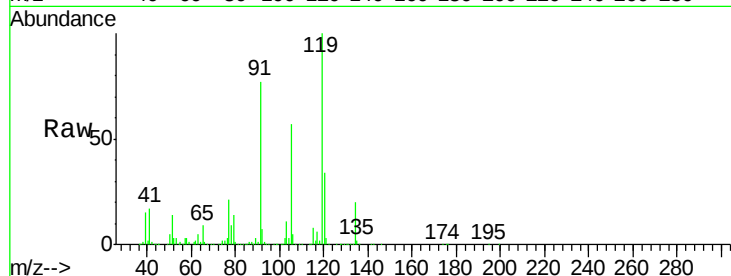
119 100

91 78.2 61.9 92.9

134 19.9 16.2 24.4

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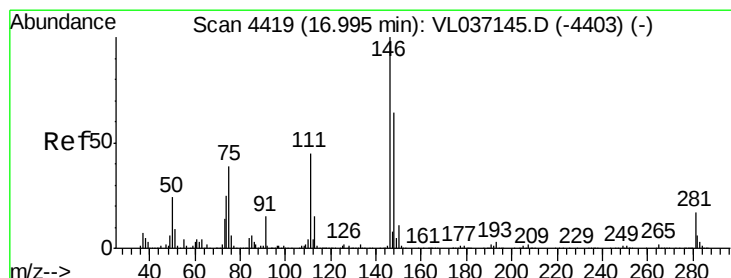
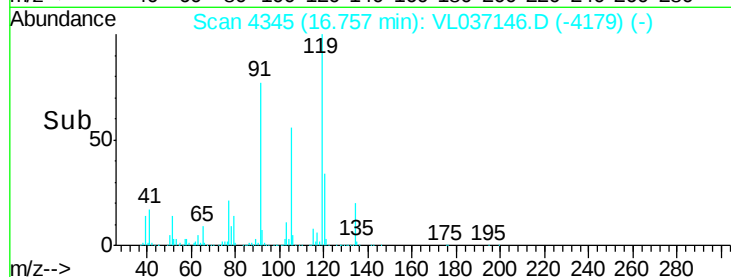
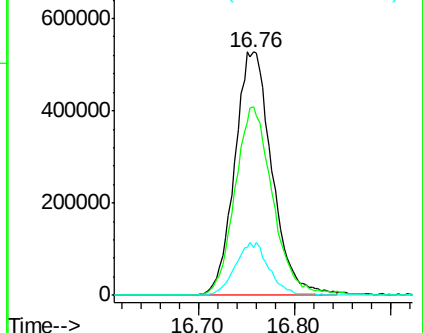
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Abundance Ion 119.20 (118.90 to 119.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 134.20 (133.90 to 134.90): V



#66

Benzyl Chloride

Concen: 1.527 ppbv m

RT: 17.00 min Scan# 4422

Delta R.T. 0.04 min

Lab File: VL037146.D

Acq: 14 Jun 2021 13:01

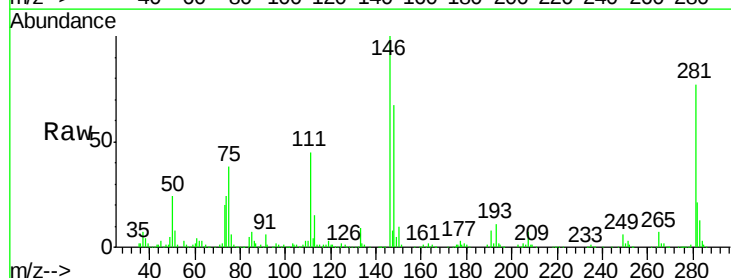
Tgt Ion: 91 Resp: 53787

Ion Ratio Lower Upper

91 100

126 0.0 16.5 24.7#

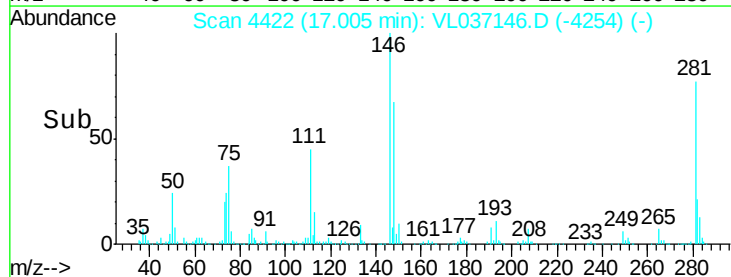
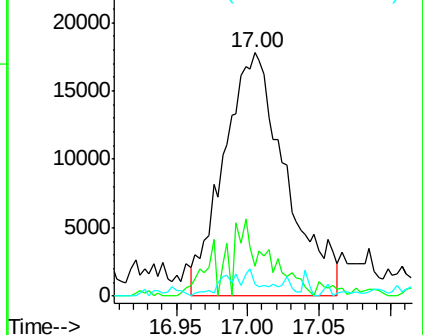
128 8.3 5.5 8.3

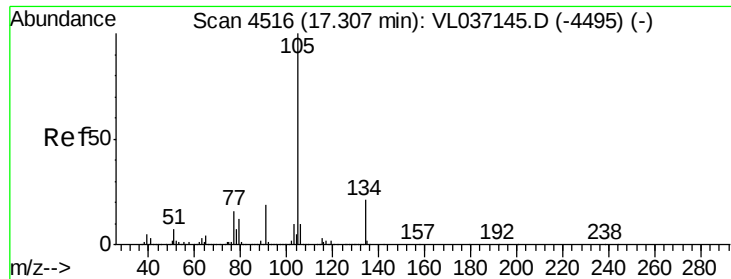


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V





#67

sec-Butylbenzene

Concen: 2.174 ppbv

RT: 17.31 min Scan# 4516

Delta R.T. 0.04 min

Lab File: VL037146.D

Acq: 14 Jun 2021 13:01

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tot Ion: 105 Resp: 1882302

Ion Ratio Lower Upper

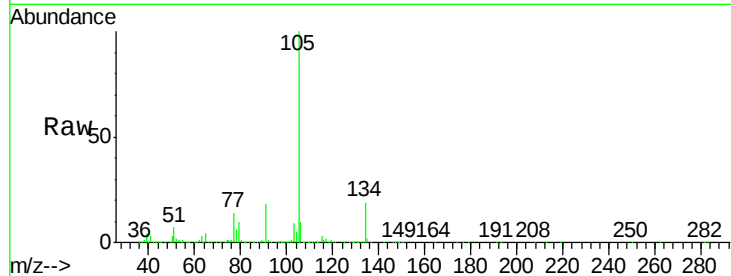
105 100

134 18.8 15.6 23.4

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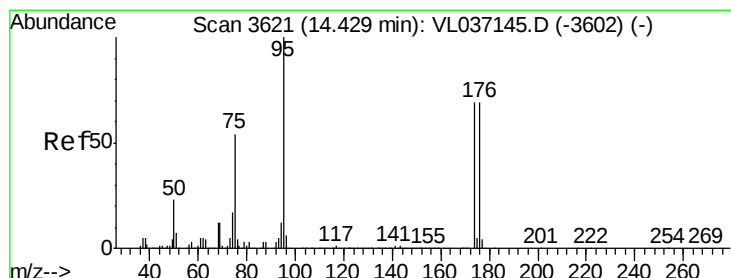
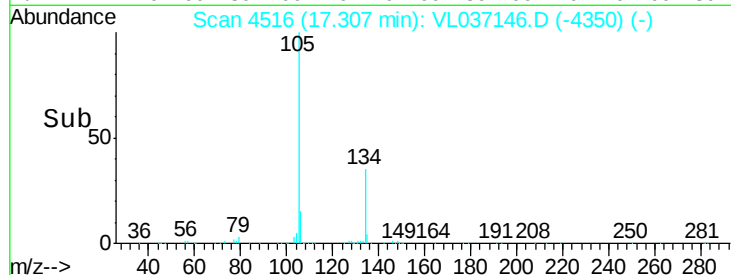
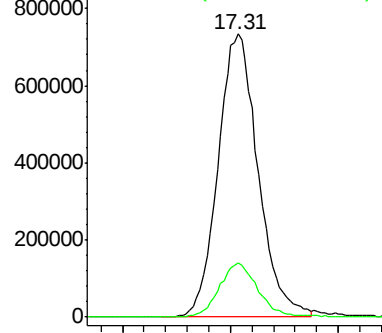
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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V



#68

1-Bromo-4-Fluorobenzene

Concen: 9.582 ppbv

RT: 14.43 min Scan# 3620

Delta R.T. 0.03 min

Lab File: VL037146.D

Acq: 14 Jun 2021 13:01

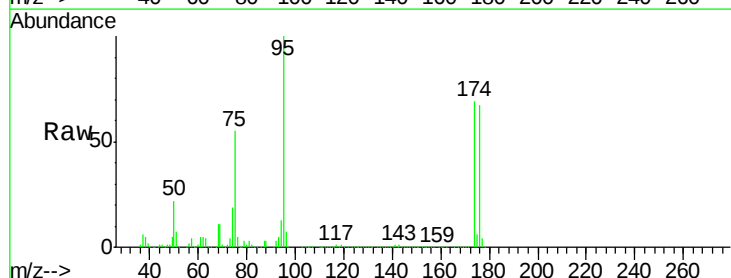
Tgt Ion: 95 Resp: 3166196

Ion Ratio Lower Upper

95 100

174 72.6 58.4 87.6

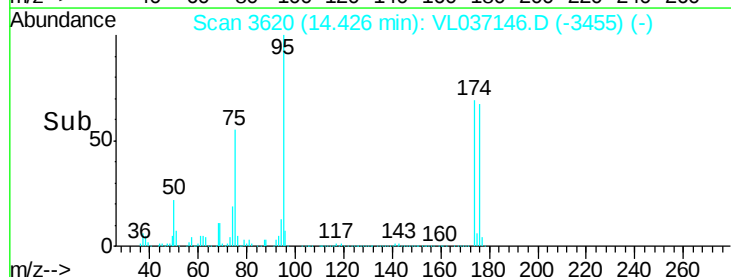
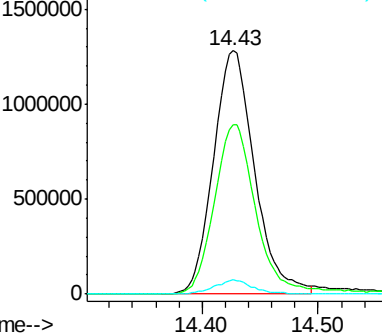
175 5.4 4.4 6.6

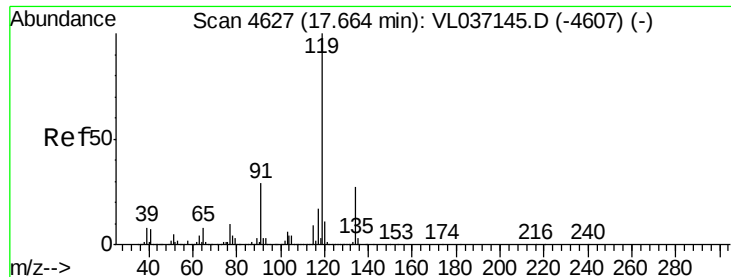


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V





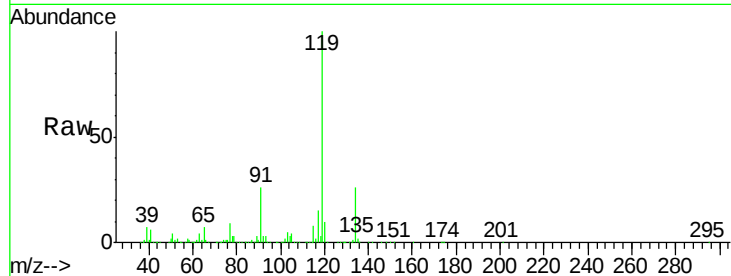
#69
 p-Isopropyltoluene
 Concen: 2.143 ppbv
 RT: 17.67 min Scan# 4628
 Delta R.T. 0.04 min
 Lab File: VL037146.D
 Acq: 14 Jun 2021 13:01

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

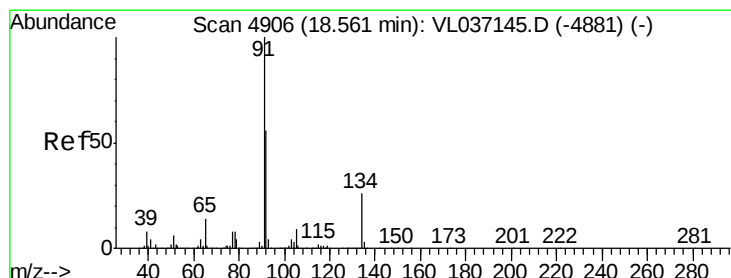
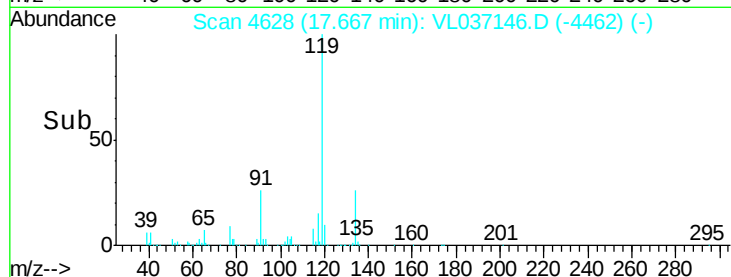
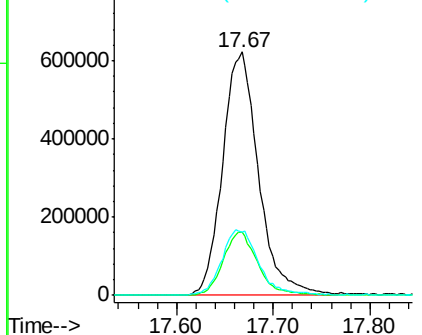
Tot Ion	Ratio	Lower	Upper
119	100		
134	25.6	21.2	31.8
91	27.5	22.2	33.4

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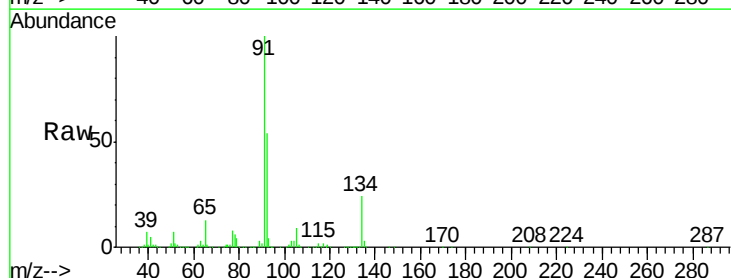


Abundance Ion 119.10 (118.80 to 119.80): V
 Ion 134.20 (133.90 to 134.90): V
 Ion 91.10 (90.80 to 91.80): V

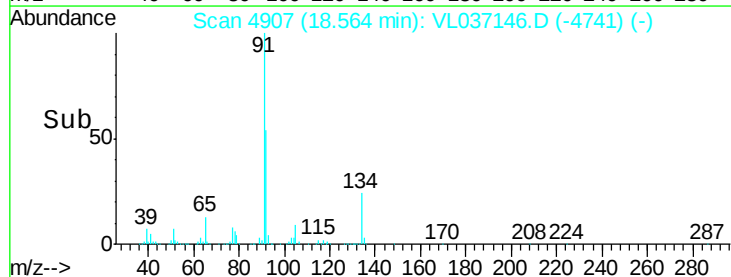
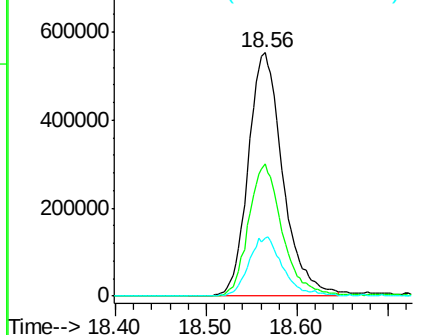


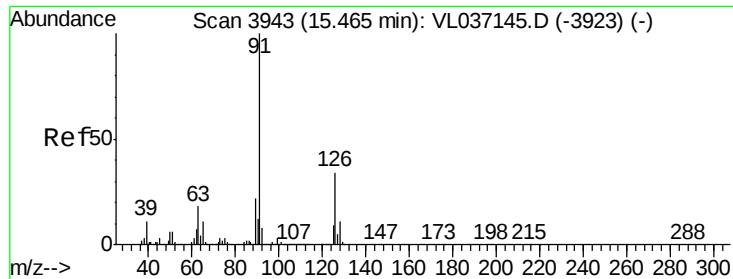
#70
 n-Butylbenzene
 Concen: 2.060 ppbv
 RT: 18.56 min Scan# 4907
 Delta R.T. 0.04 min
 Lab File: VL037146.D
 Acq: 14 Jun 2021 13:01

Tgt Ion	Ratio	Lower	Upper
91	100		
92	54.0	44.6	66.8
134	24.2	20.2	30.2



Abundance Ion 91.10 (90.80 to 91.80): V
 Ion 92.10 (91.80 to 92.80): V
 Ion 134.20 (133.90 to 134.90): V





#71

2-Chlorotoluene

Concen: 2.180 ppbv

RT: 15.46 min Scan# 3942

Delta R.T. 0.03 min

Lab File: VL037146.D

Acq: 14 Jun 2021 13:01

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tot Ion: 91 Resp: 1107588

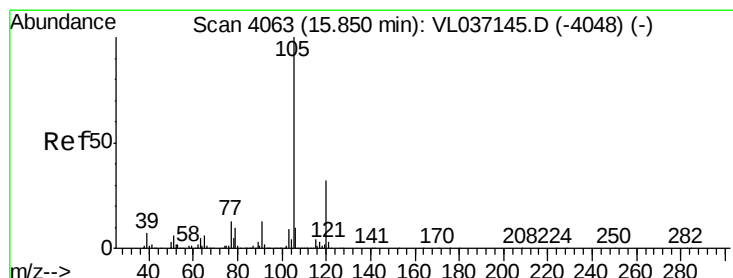
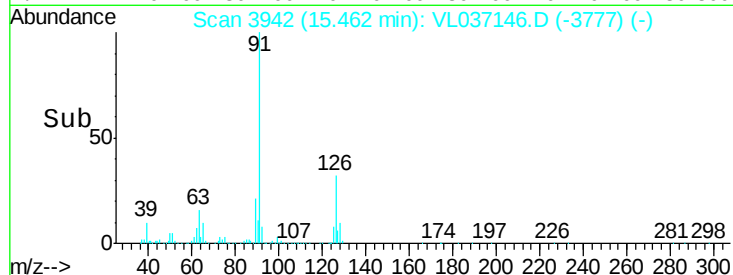
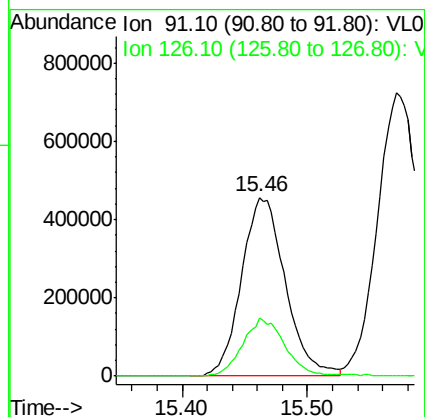
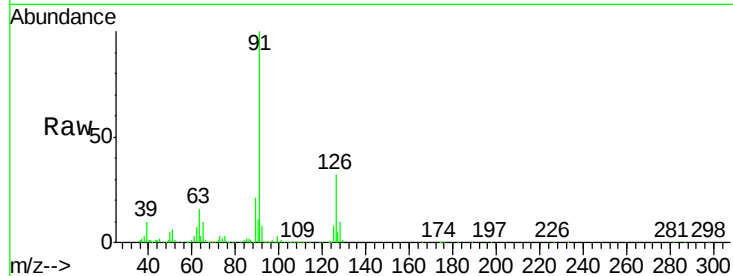
Ion Ratio Lower Upper

91 100

126 32.0 13.1 52.5

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#72

4-Ethyltoluene

Concen: 2.101 ppbv

RT: 15.85 min Scan# 4064

Delta R.T. 0.04 min

Lab File: VL037146.D

Acq: 14 Jun 2021 13:01

Tgt Ion: 105 Resp: 1220121

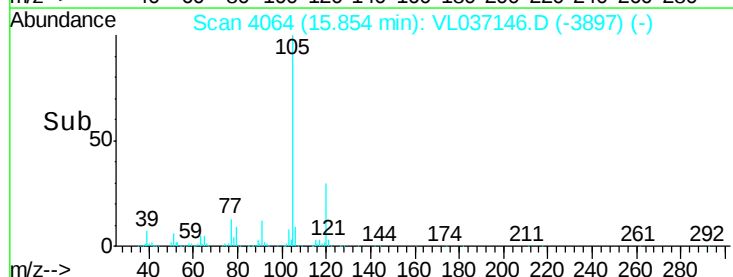
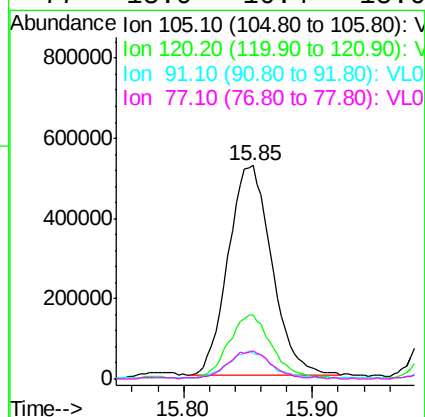
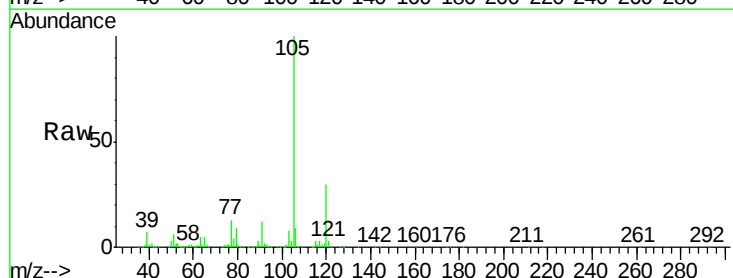
Ion Ratio Lower Upper

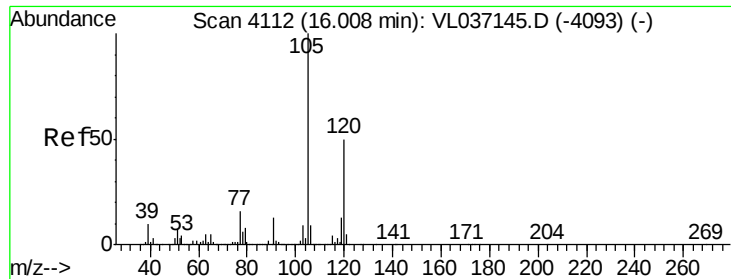
105 100

120 31.3 24.6 37.0

91 13.0 9.8 14.6

77 13.9 10.4 15.6





#73

1,3,5-Trimethylbenzene

Concen: 2.098 ppbv

RT: 16.00 min Scan# 4111

Delta R.T. 0.03 min

Lab File: VL037146.D

Acq: 14 Jun 2021 13:01

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tot Ion:105 Resp: 1144449

Ion Ratio Lower Upper

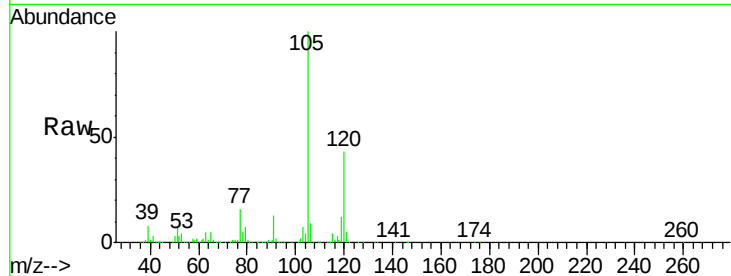
105 100

120 42.9 38.6 58.0

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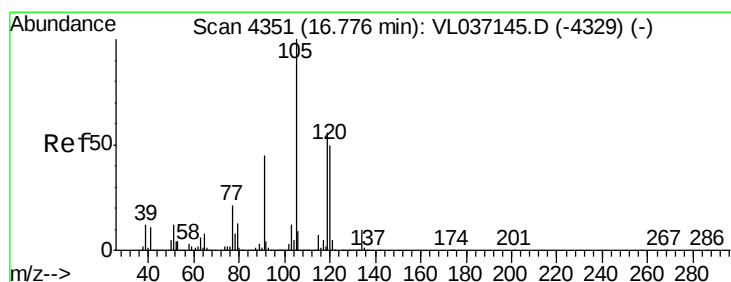
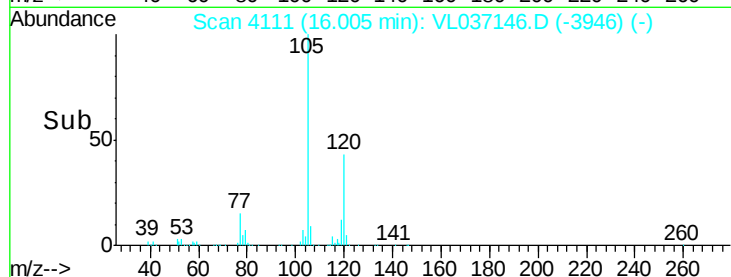
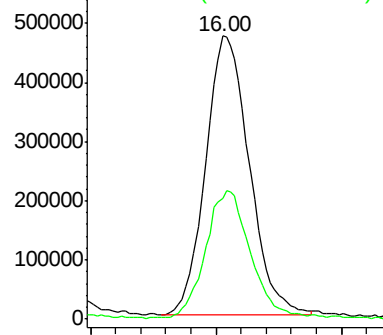
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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V



#74

1,2,4-Trimethylbenzene

Concen: 2.160 ppbv

RT: 16.77 min Scan# 4350

Delta R.T. 0.03 min

Lab File: VL037146.D

Acq: 14 Jun 2021 13:01

Tgt Ion:105 Resp: 1218318

Ion Ratio Lower Upper

105 100

120 48.2 40.6 61.0

91 51.5 37.4 56.0

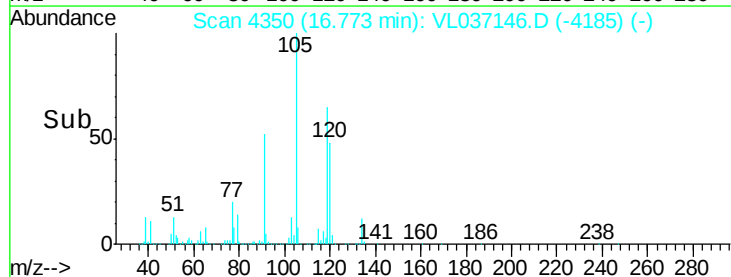
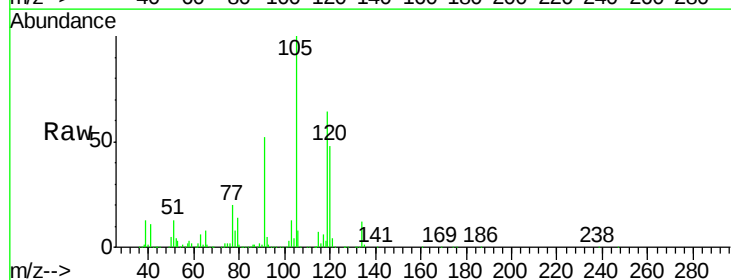
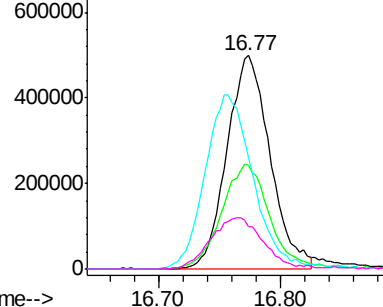
77 19.8 16.2 24.4

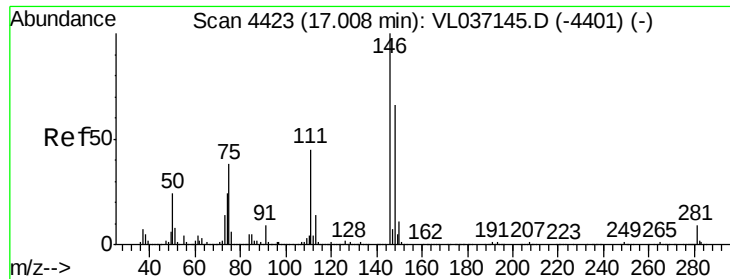
Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0





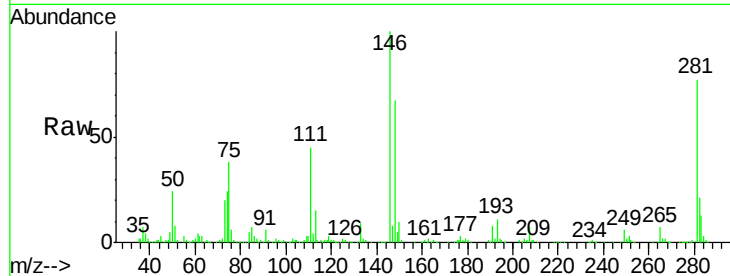
#75
 1,3-Dichlorobenzene
 Concen: 2.103 ppbv
 RT: 17.00 min Scan# 4422
 Delta R.T. 0.03 min
 Lab File: VL037146.D
 Acq: 14 Jun 2021 13:01

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

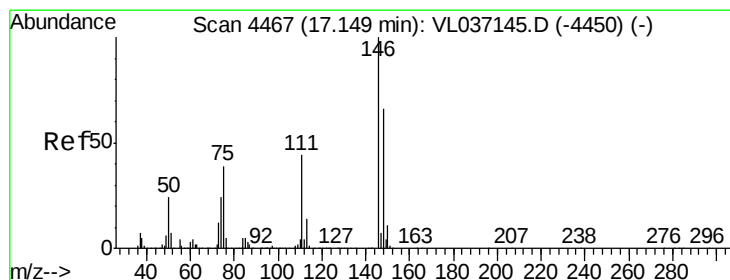
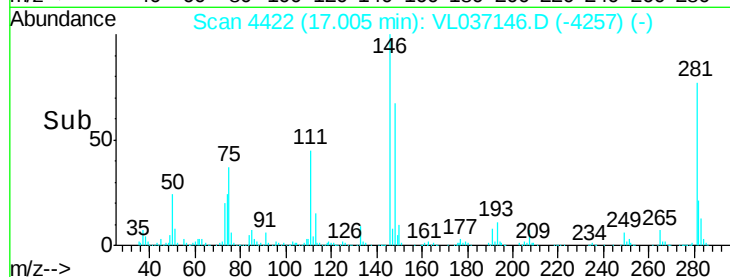
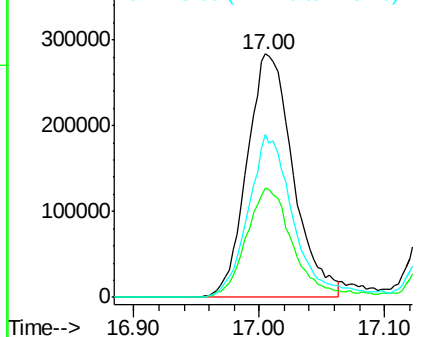
Tot Ion	Ratio	Lower	Upper
146	100		
111	45.8	22.2	66.6
148	65.8	32.3	96.8

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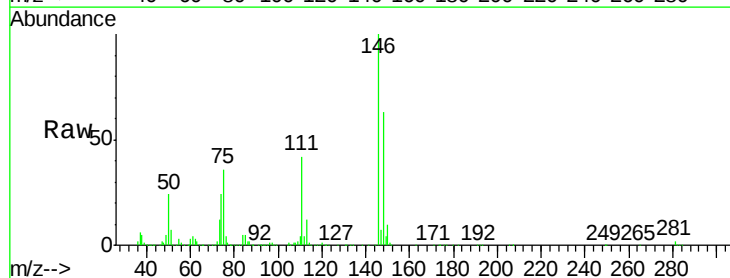


Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.10 (110.80 to 111.80): V
 Ion 148.00 (147.70 to 148.70): V

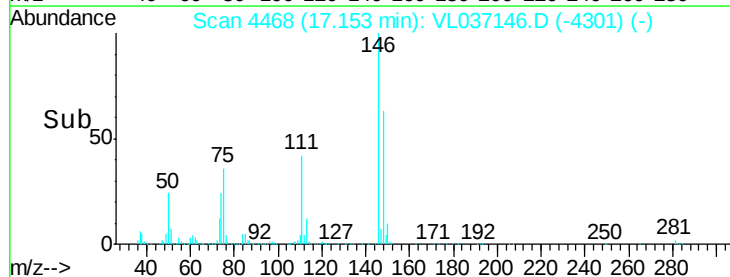
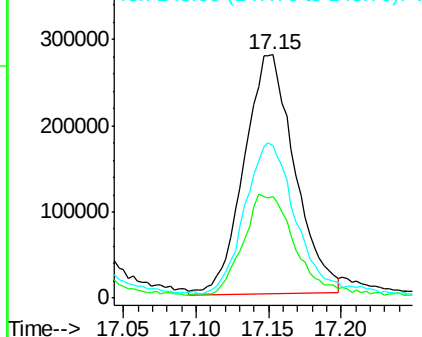


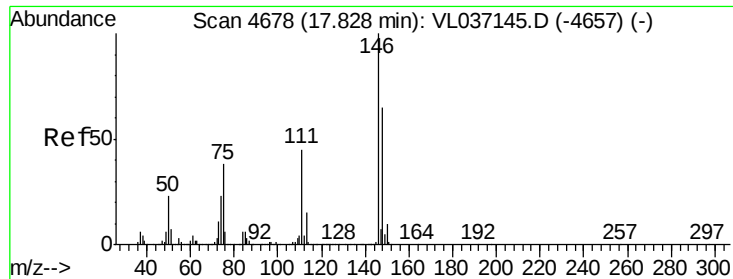
#76
 1,4-Dichlorobenzene
 Concen: 1.943 ppbv
 RT: 17.15 min Scan# 4468
 Delta R.T. 0.04 min
 Lab File: VL037146.D
 Acq: 14 Jun 2021 13:01

Tgt Ion	Ratio	Lower	Upper
146	100		
111	47.3	22.6	67.7
148	68.3	33.5	100.5



Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.10 (110.80 to 111.80): V
 Ion 148.00 (147.70 to 148.70): V





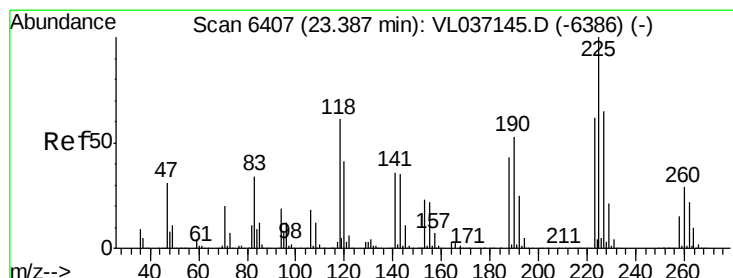
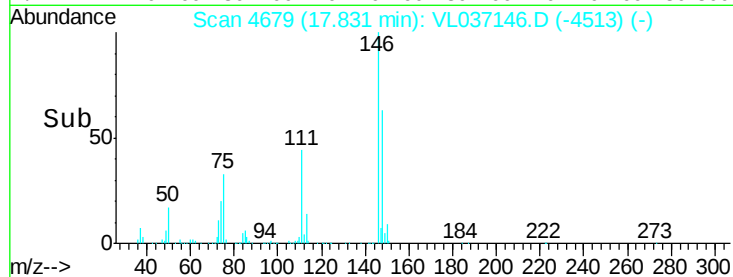
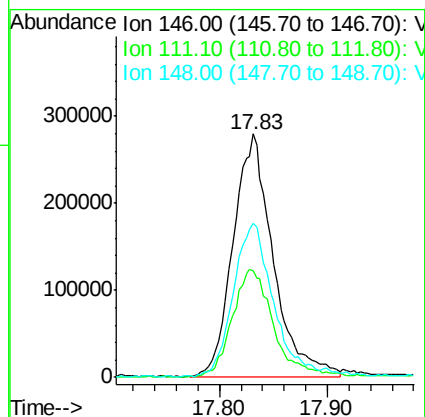
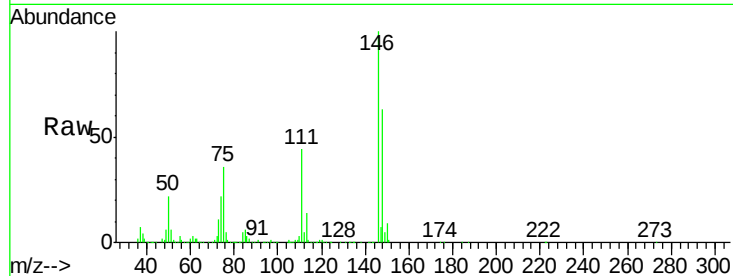
#77
 1,2-Dichlorobenzene
 Concen: 2.078 ppbv
 RT: 17.83 min Scan# 4679
 Delta R.T. 0.04 min
 Lab File: VL037146.D
 Acq: 14 Jun 2021 13:01

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Tot Ion	Ratio	Lower	Upper
146	100		
111	45.8	23.1	69.2
148	64.4	32.5	97.4

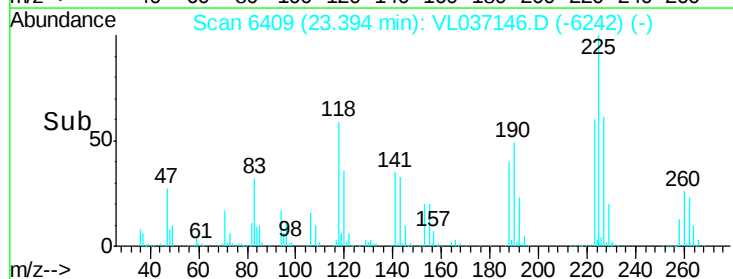
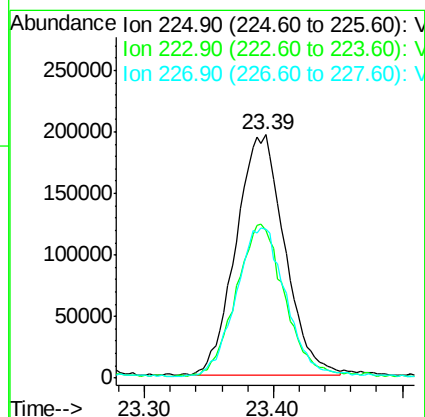
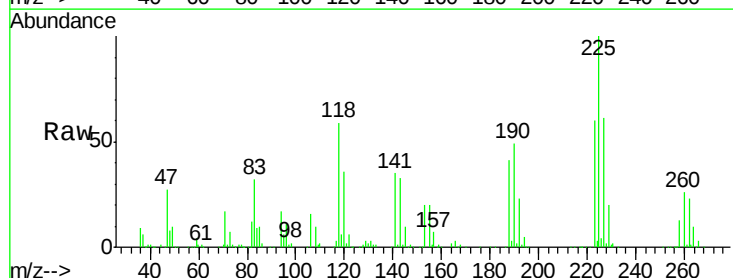
Manual Integrations
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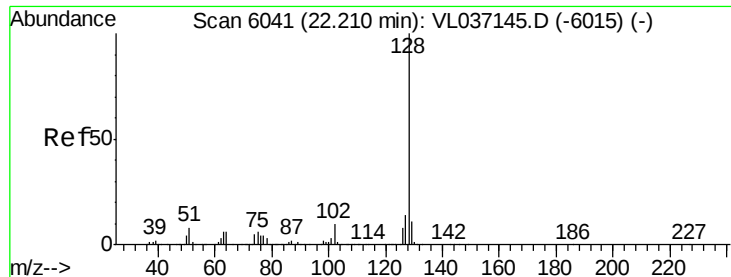
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#78
 Hexachloro-1,3-Butadiene
 Concen: 1.840 ppbv
 RT: 23.39 min Scan# 6409
 Delta R.T. 0.04 min
 Lab File: VL037146.D
 Acq: 14 Jun 2021 13:01

Tgt Ion	Ratio	Lower	Upper
225	100		
223	66.5	51.9	77.9
227	66.4	51.8	77.6





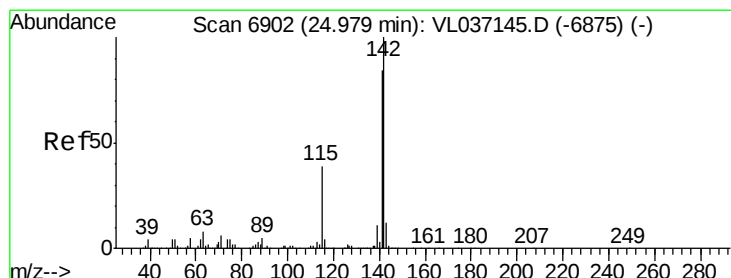
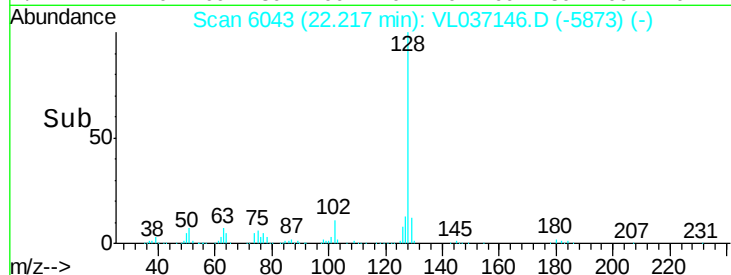
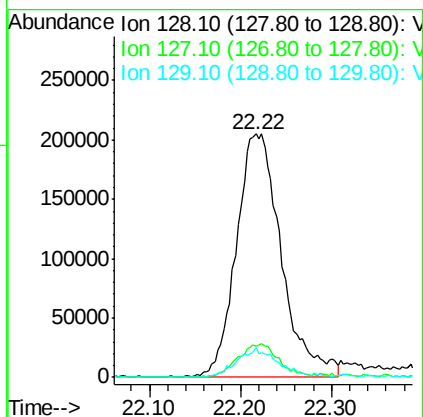
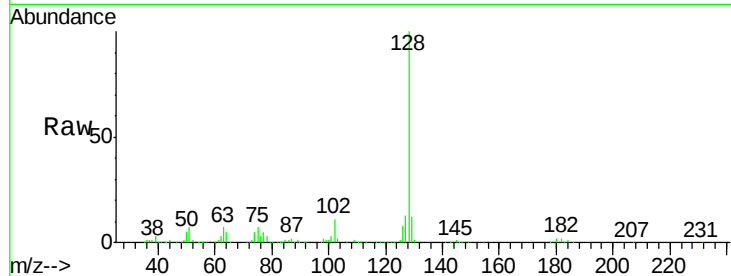
#79
Naphthalene
Concen: 1.594 ppbv m
RT: 22.22 min Scan# 6043
Delta R.T. 0.05 min
Lab File: VL037146.D
Acq: 14 Jun 2021 13:01

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.4	15.6
129	12.2	9.0	13.6

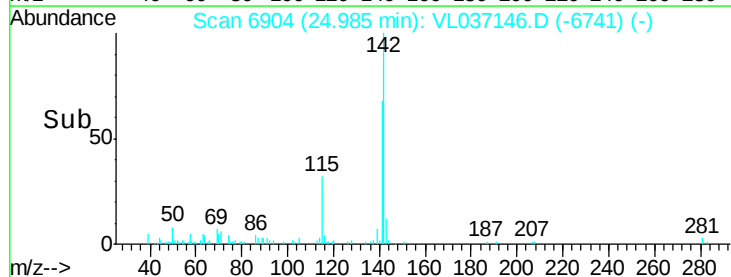
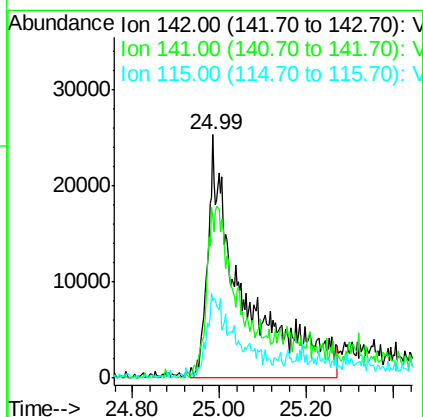
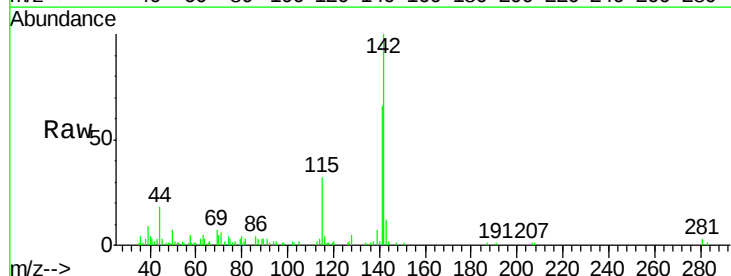
Manual Integrations
APPROVED

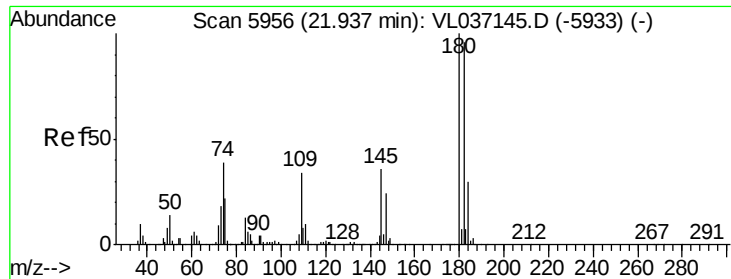
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#80
Naphthalene, 2-methyl-
Concen: 1.493 ppbv m
RT: 24.99 min Scan# 6904
Delta R.T. 0.03 min
Lab File: VL037146.D
Acq: 14 Jun 2021 13:01

Tgt Ion	Ratio	Lower	Upper
142	100		
141	64.9	69.3	103.9#
115	26.5	29.1	43.7#





#81
 1,2,4-Trichlorobenzene
 Concen: 1.708 ppbv m
 RT: 21.94 min Scan# 5957
 Delta R.T. 0.04 min
 Lab File: VL037146.D
 Acq: 14 Jun 2021 13:01

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Tot Ion:	180	Resp:	460706
Ion Ratio	Lower	Upper	
180	100		
182	95.3	81.7	122.5
184	29.6	24.9	37.3

Manual Integrations
 APPROVED

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