

Data Path : Z:\voasrv\HPCHEM1\MSVOA L\Data\VL091721\
 Data File : VL037638.D
 Acq On : 17 Sep 2021 12:08
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Manual Integrations
 APPROVED

MMDadoda
 9/20/2021 5:28:27 PM

Quant Time: Sep 18 06:56:50 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL091621AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Sep 18 06:56:50 2021
 QLast Update : Thu Sep 16 13:42:46 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1444788	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.16	114	4320009	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.07	117	4074968	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.39	95	2905532	9.87	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.70%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.03	85	1943049	7.432	ppbv	98
3) Chlorodifluoromethane	2.98	51	2737136	10.044	ppbv	100
4) Chloromethane	3.13	50	1025533	10.185	ppbv	96
5) Vinyl Chloride	3.24	62	1011860	10.699	ppbv	98
6) Bromomethane	3.46	94	572167	10.409	ppbv	100
7) Chloroethane	3.54	64	363355	10.281	ppbv	95
8) Dichlorotetrafluoroethane	3.18	85	2310376	10.244	ppbv	98
9) Propene	3.00	41	973199	10.124	ppbv	97
10) Heptane	8.10	43	2482058	11.065	ppbv	100
11) Trichlorofluoromethane	3.93	101	2064332	9.835	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.47	101	1572121	10.147	ppbv	100
13) Ethanol	3.60	45	93334	9.926	ppbv	84
14) Bromoethene	3.73	108	713414	10.116	ppbv	100
15) Acetone	3.83	43	1205045	8.028	ppbv	97
16) 1,3-Butadiene	3.31	39	980795	10.456	ppbv	99
17) tert-Butyl alcohol	4.27	59	1495206	11.746	ppbv	99
18) 1,1-Dichloroethene	4.27	96	731342	10.133	ppbv	94
19) Isopropyl Alcohol	3.94	45	824435	10.094	ppbv	98
20) Methylene Chloride	4.33	84	632419	8.825	ppbv	97
21) Allyl Chloride	4.40	41	1152983	10.281	ppbv	99
22) trans-1,2-Dichloroethene	4.87	96	720418	9.921	ppbv	97
23) Vinyl Acetate	5.05	43	2062615	9.930	ppbv #	98
24) 1,1-Dichloroethane	4.99	63	1484700	9.977	ppbv	98
25) Ethyl Acetate	5.66	43	3849854	10.589	ppbv	99
26) Hexane	5.67	57	1818889	10.532	ppbv	99
27) Carbon Disulfide	4.53	76	1768173	11.192	ppbv	99
28) Methyl tert-Butyl Ether	5.01	73	1522567	10.009	ppbv	99
29) Chloroform	5.74	83	2600027	10.310	ppbv	98
30) Cyclohexane	7.11	84	1575070	10.664	ppbv	96
31) cis-1,2-Dichloroethene	5.53	61	1742915	11.117	ppbv	98
32) 1,1,1-Trichloroethane	6.49	97	2500380	10.650	ppbv	99
34) 2-Butanone	5.23	43	1655691	9.431	ppbv	99
35) Carbon Tetrachloride	7.00	117	2614637	10.700	ppbv	99
36) Benzene	6.87	78	3796502	10.539	ppbv	99
37) 1,2-Dichloroethane	6.29	62	1824882	10.300	ppbv	100
38) Trichloroethene	7.81	130	1500927	9.974	ppbv	98
39) 1,2-Dichloropropane	7.59	63	1462378	10.599	ppbv	98
40) 1,4-Dioxane	7.81	88	330089m	9.835	ppbv	
41) Tetrahydrofuran	6.03	42	907796	11.000	ppbv	99
42) Bromodichloromethane	7.77	83	2755549	10.852	ppbv	99
43) Methyl Methacrylate	7.99	69	1359010	11.340	ppbv	98

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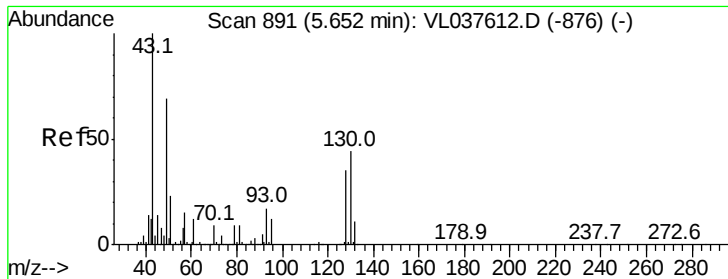
Manual Integrations
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Quant Time: Sep 18 06:56:50 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL091621AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Sep 18 06:56:50 2021
 QLast Update : Thu Sep 16 13:42:46 2021
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.85	57	6335524	10.462	ppbv	99
45) t-1,3-Dichloropropene	9.26	75	1183269	12.570	ppbv	98
46) cis-1,3-Dichloropropene	8.68	75	1551079	12.198	ppbv	99
47) 1,1,2-Trichloroethane	9.45	97	1562676	10.239	ppbv	97
48) Dibromochloromethane	10.28	129	2423720	11.383	ppbv	98
49) Bromoform	13.02	173	2005930	11.771	ppbv	97
50) 4-Methyl-2-Pentanone	8.72	43	2445183	10.973	ppbv	100
51) 2-Hexanone	10.11	43	1139153	11.587	ppbv #	100
52) Tetrachloroethene	11.20	164	1416929	10.246	ppbv	98
53) Toluene	9.79	91	4449907	11.113	ppbv	99
54) 1,2-Dibromoethane	10.59	107	2227941	10.661	ppbv	100
56) 1,1,1,2-Tetrachloroethane	12.10	131	1684966	9.969	ppbv	93
57) Chlorobenzene	12.13	112	3308316	9.765	ppbv	98
58) Ethyl Benzene	12.69	91	5697081	10.532	ppbv	99
59) m/p-Xylene	12.98	91	9536020m	20.229	ppbv	
60) o-Xylene	13.67	91	4475310	9.975	ppbv	99
61) Styrene	13.50	104	2583929	11.679	ppbv	99
62) Isopropylbenzene	14.64	105	6149251	9.811	ppbv	98
63) 1,1,2,2-Tetrachloroethane	13.65	83	3226750	9.189	ppbv	100
64) n-propylbenzene	15.54	120	1682388	10.402	ppbv	90
65) tert-Butylbenzene	16.72	119	5484920	9.706	ppbv	100
66) Benzyl Chloride	16.97	91	363597	11.773	ppbv	98
67) sec-Butylbenzene	17.27	105	7609232	9.924	ppbv	99
69) p-Isopropyltoluene	17.63	119	6365341	10.162	ppbv	100
70) n-Butylbenzene	18.53	91	6227819	10.508	ppbv	100
71) 2-Chlorotoluene	15.43	91	4598245	10.237	ppbv	98
72) 4-Ethyltoluene	15.81	105	5258664	10.210	ppbv	99
73) 1,3,5-Trimethylbenzene	15.97	105	4817857	10.036	ppbv	98
74) 1,2,4-Trimethylbenzene	16.74	105	5050367	9.988	ppbv	99
75) 1,3-Dichlorobenzene	16.97	146	3128519	9.958	ppbv	100
76) 1,4-Dichlorobenzene	17.11	146	3024194	9.760	ppbv	100
77) 1,2-Dichlorobenzene	17.79	146	2966821	9.957	ppbv	99
78) Hexachloro-1,3-Butadiene	23.35	225	2164840	8.632	ppbv	99
79) Naphthalene	22.17	128	3648813	11.752	ppbv	99
80) Naphthalene, 2-methyl-	24.95	142	1138081	16.037	ppbv	95
81) 1,2,4-Trichlorobenzene	21.90	180	2163475	10.853	ppbv	100

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 890

Delta R.T. -0.00 min

Lab File: VL037638.D

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Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 49 Resp: 1444788

Ion Ratio Lower Upper

49 100

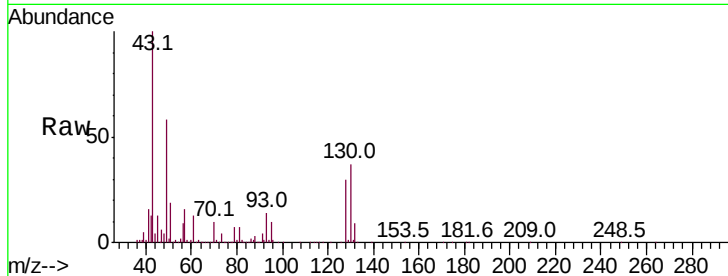
128 55.9 27.9 83.6

130 67.6 33.9 101.7

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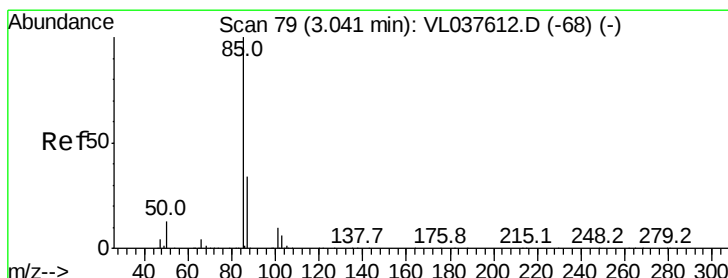
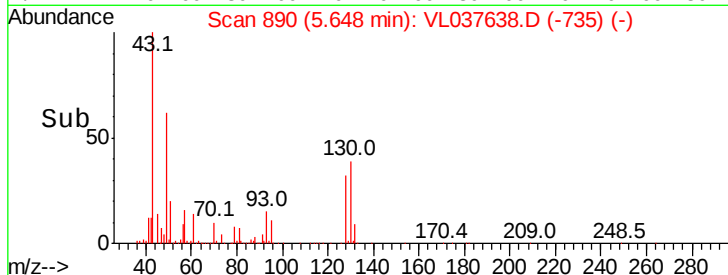
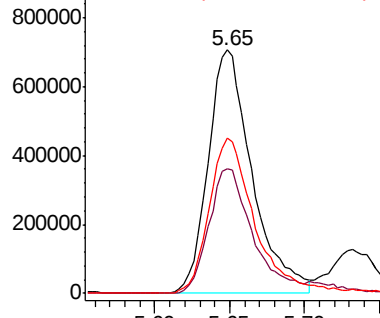
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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 7.432 ppbv

RT: 3.03 min Scan# 77

Delta R.T. -0.01 min

Lab File: VL037638.D

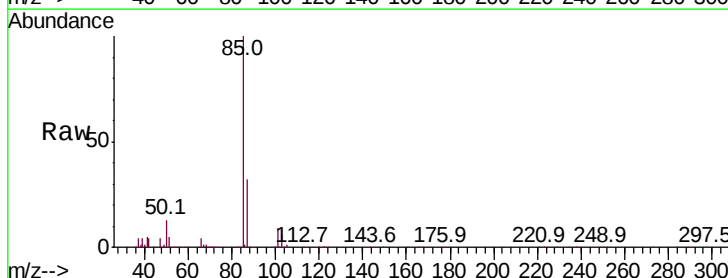
Acq: 17 Sep 2021 12:08

Tgt Ion: 85 Resp: 1943049

Ion Ratio Lower Upper

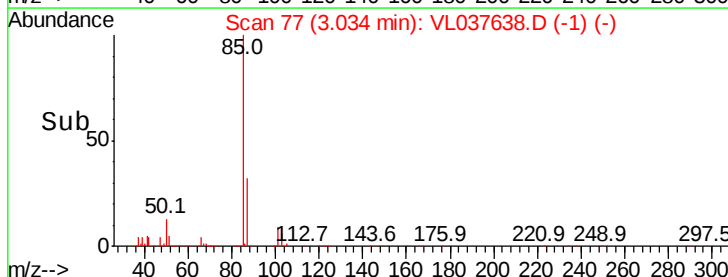
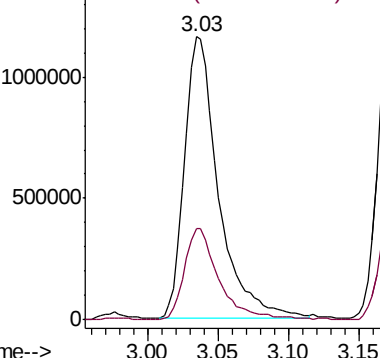
85 100

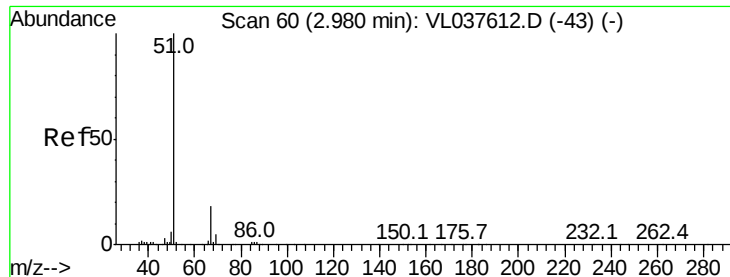
87 32.3 26.8 40.2



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 10.044 ppbv

RT: 2.98 min Scan# 59

Delta R.T. -0.00 min

Lab File: VL037638.D

Acq: 17 Sep 2021 12:08

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 51 Resp: 2737136

Ion Ratio Lower Upper

51 100

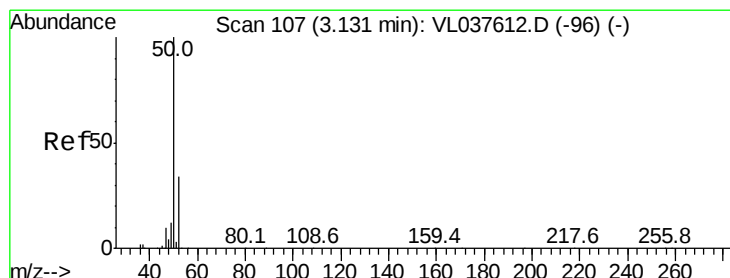
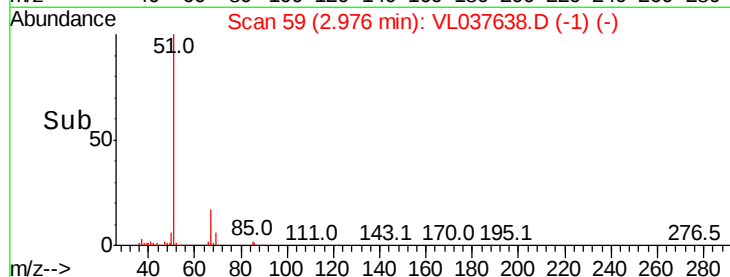
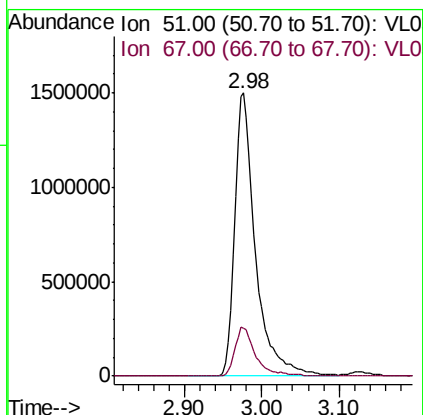
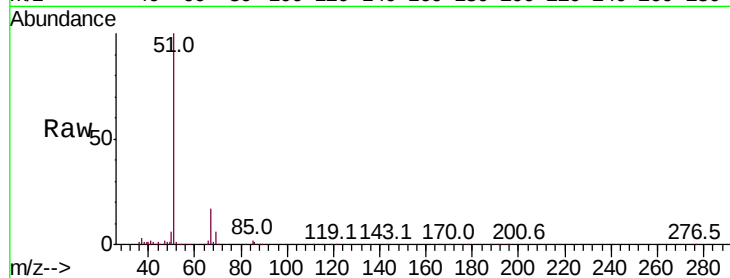
67 17.5 14.0 21.0

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#4

Chloromethane

Concen: 10.185 ppbv

RT: 3.13 min Scan# 106

Delta R.T. -0.00 min

Lab File: VL037638.D

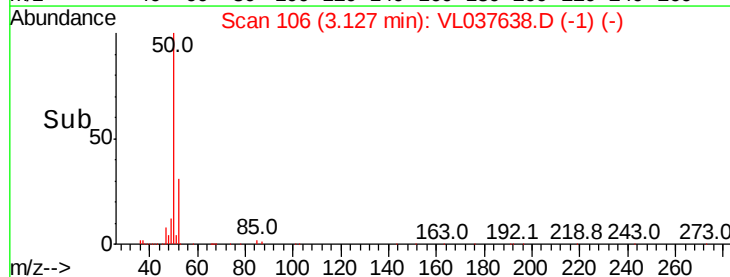
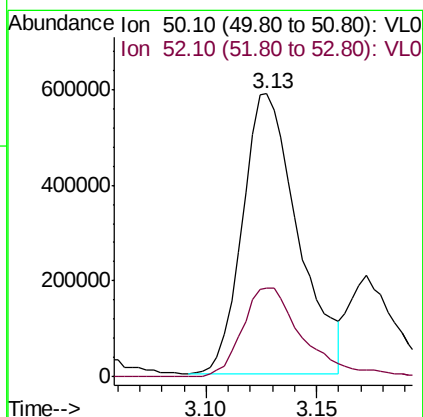
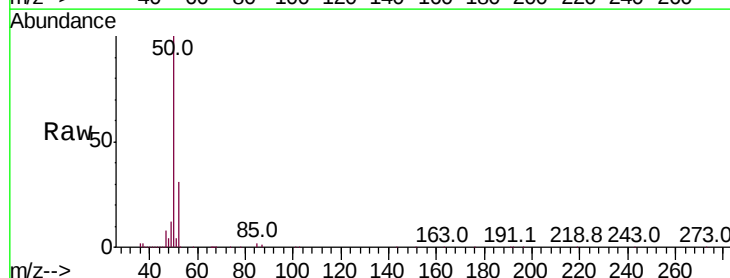
Acq: 17 Sep 2021 12:08

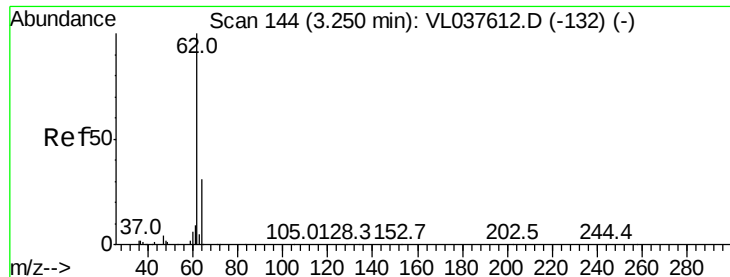
Tgt Ion: 50 Resp: 1025533

Ion Ratio Lower Upper

50 100

52 31.4 27.1 40.7





#5

Vinyl Chloride

Concen: 10.699 ppbv

RT: 3.24 min Scan# 142

Delta R.T. -0.01 min

Lab File: VL037638.D

Acq: 17 Sep 2021 12:08

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 62 Resp: 1011860

Ion Ratio Lower Upper

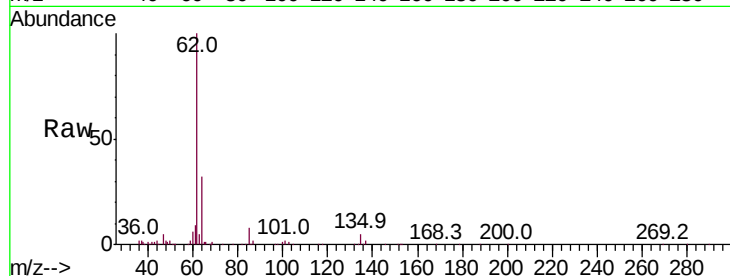
62 100

64 32.2 24.9 37.3

Manual Integrations
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Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0

3.24

600000

500000

400000

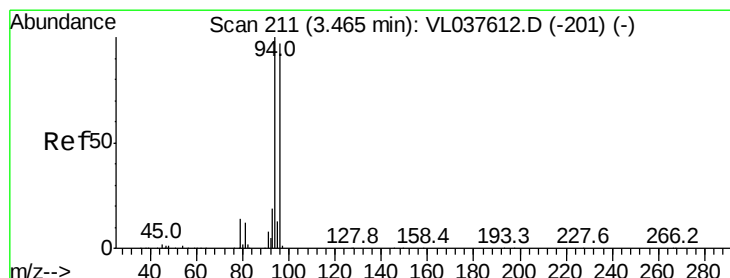
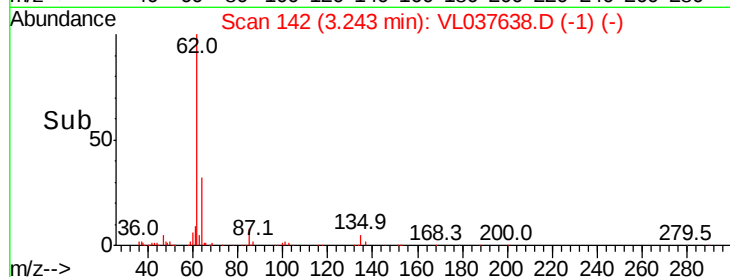
300000

200000

100000

0

Time-->



#6

Bromomethane

Concen: 10.409 ppbv

RT: 3.46 min Scan# 210

Delta R.T. -0.00 min

Lab File: VL037638.D

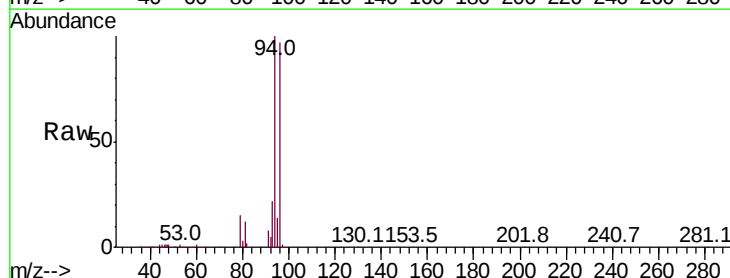
Acq: 17 Sep 2021 12:08

Tgt Ion: 94 Resp: 572167

Ion Ratio Lower Upper

94 100

96 97.1 77.3 115.9



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0

3.46

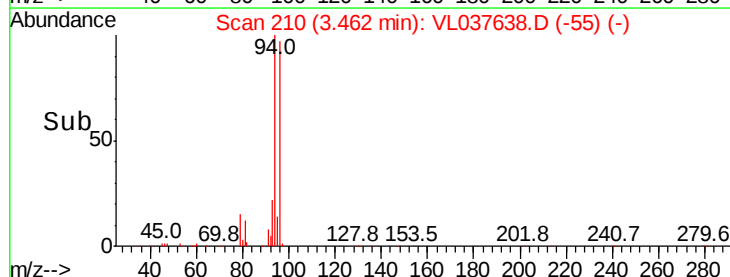
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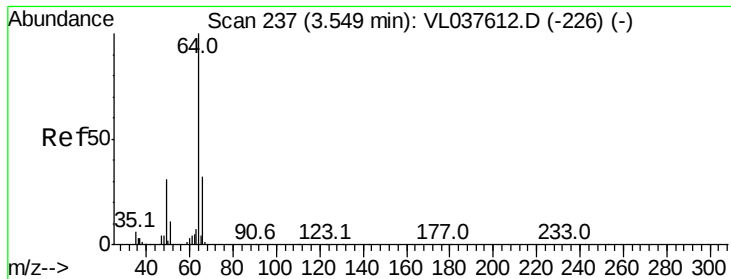
200000

100000

0

Time-->





#7

Chloroethane

Concen: 10.281 ppbv

RT: 3.54 min Scan# 235

Delta R.T. -0.01 min

Lab File: VL037638.D

Acq: 17 Sep 2021 12:08

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 64 Resp: 363355

Ion Ratio Lower Upper

64 100

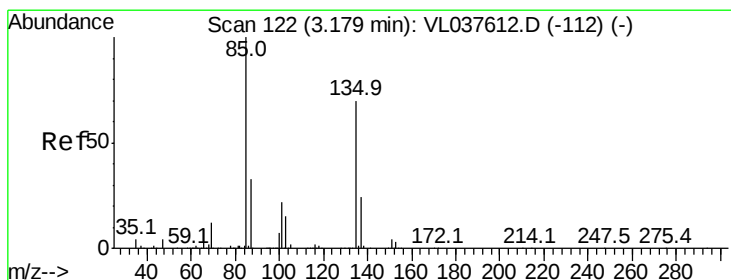
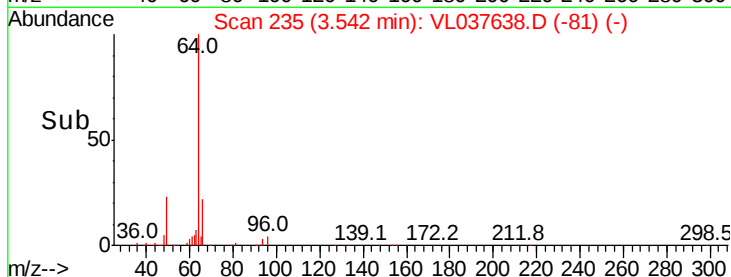
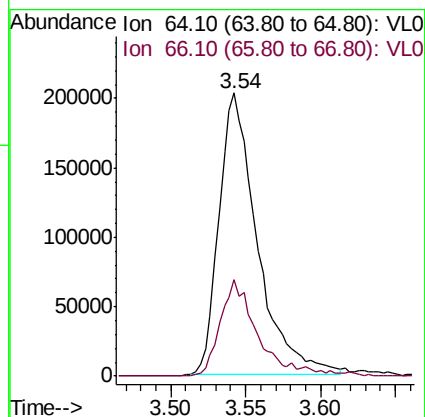
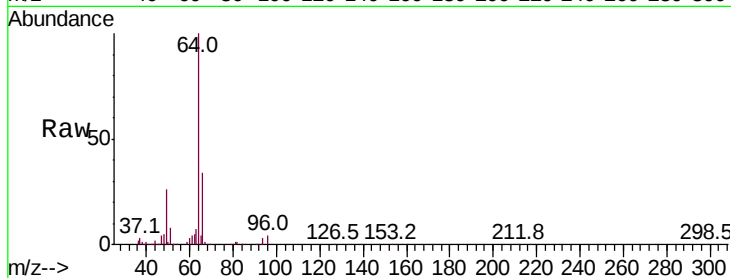
66 34.1 25.3 37.9

Manual Integrations

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#8

Dichlorotetrafluoroethane

Concen: 10.244 ppbv

RT: 3.18 min Scan# 121

Delta R.T. -0.00 min

Lab File: VL037638.D

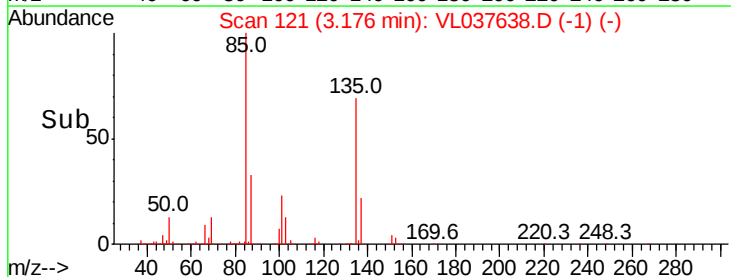
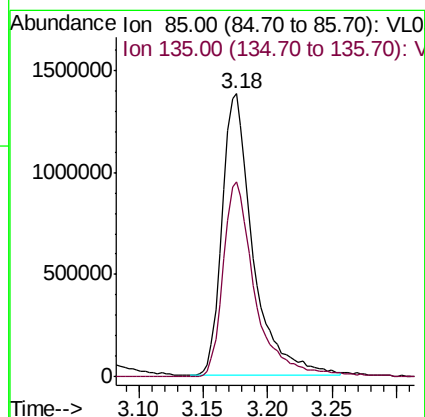
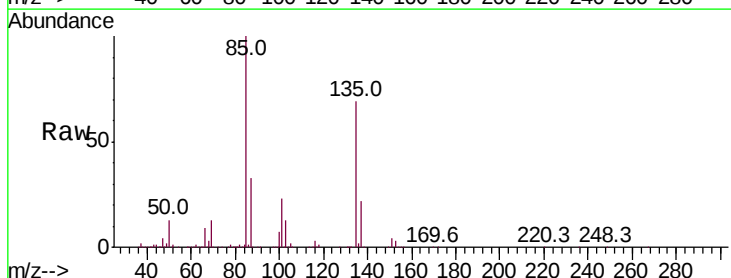
Acq: 17 Sep 2021 12:08

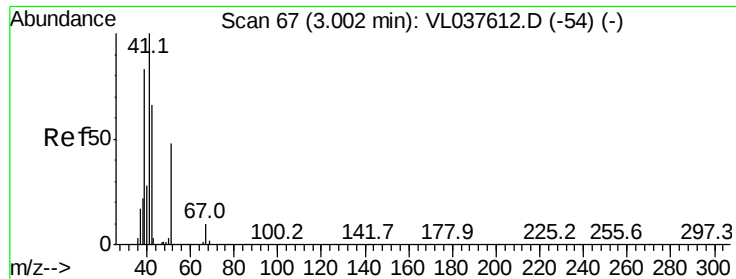
Tgt Ion: 85 Resp: 2310376

Ion Ratio Lower Upper

85 100

135 72.2 59.3 88.9





#9

Propene

Concen: 10.124 ppbv

RT: 3.00 min Scan# 65

Delta R.T. -0.01 min

Lab File: VL037638.D

Acq: 17 Sep 2021 12:08

Instrument :

MSVOA_L

ClientSampleId :

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Tot Ion: 41 Resp: 973199

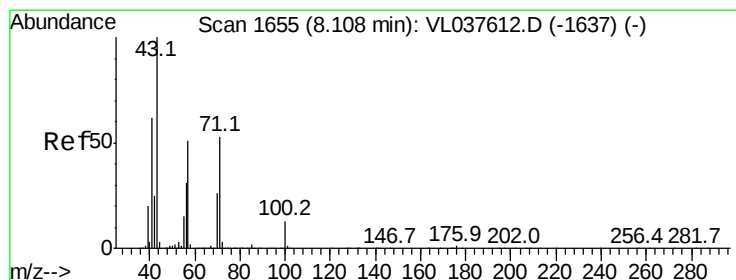
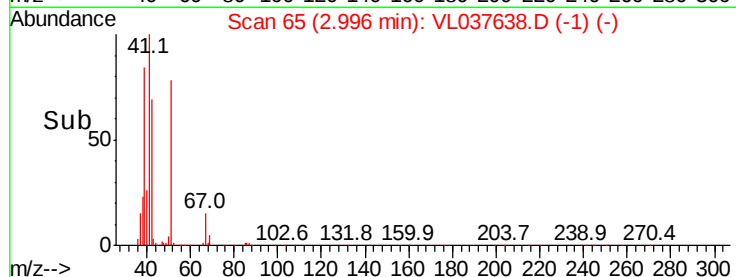
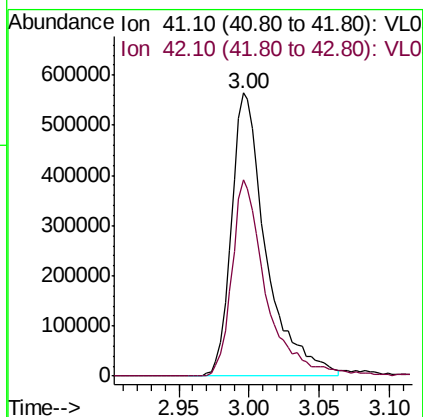
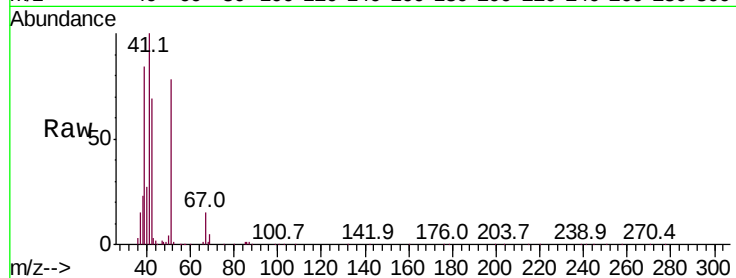
Ion Ratio Lower Upper

41 100

42 69.1 57.2 85.8

Manual Integrations
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#10

Heptane

Concen: 11.065 ppbv

RT: 8.10 min Scan# 1653

Delta R.T. -0.01 min

Lab File: VL037638.D

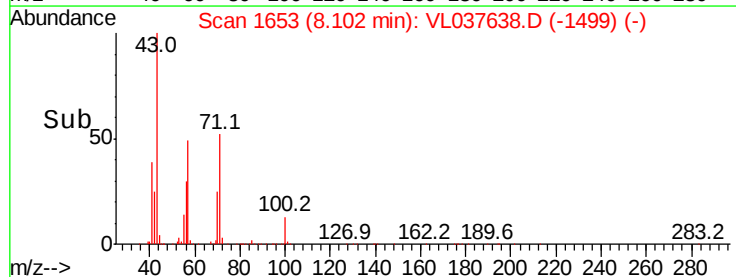
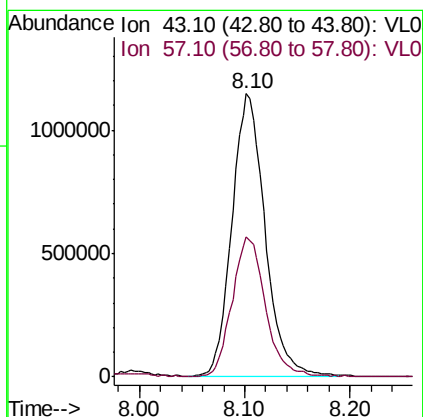
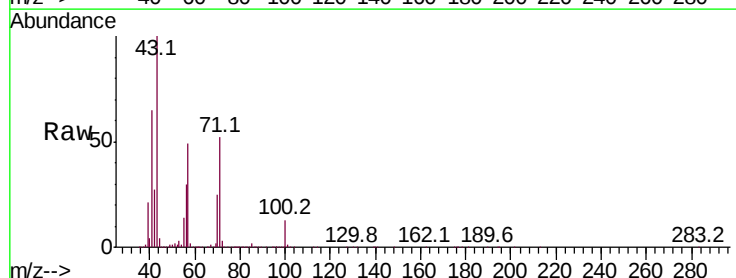
Acq: 17 Sep 2021 12:08

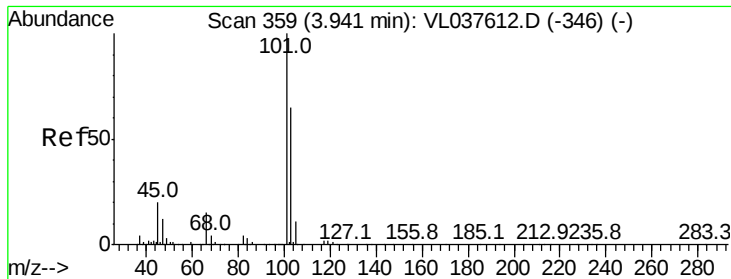
Tgt Ion: 43 Resp: 2482058

Ion Ratio Lower Upper

43 100

57 50.0 40.1 60.1





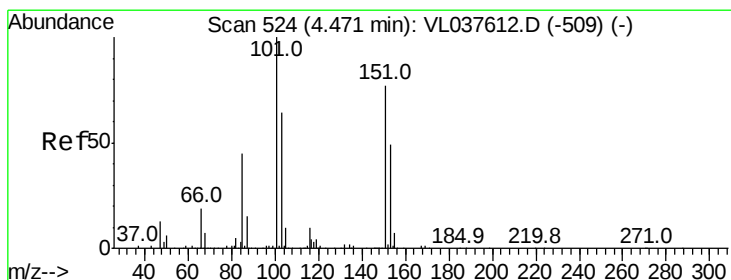
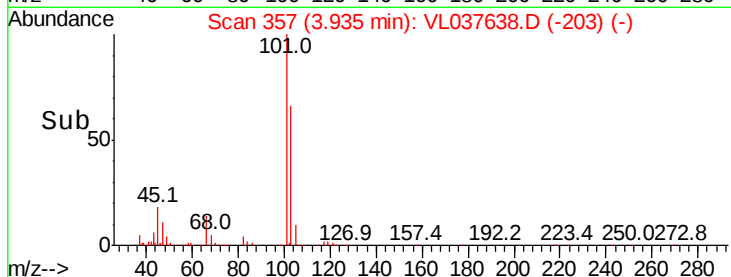
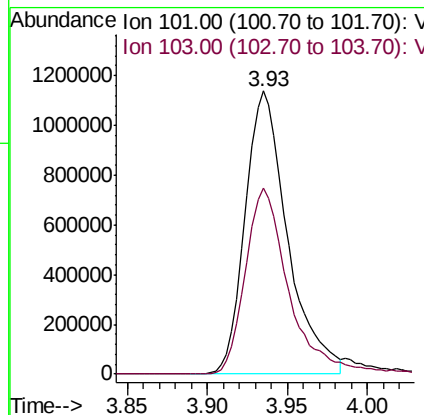
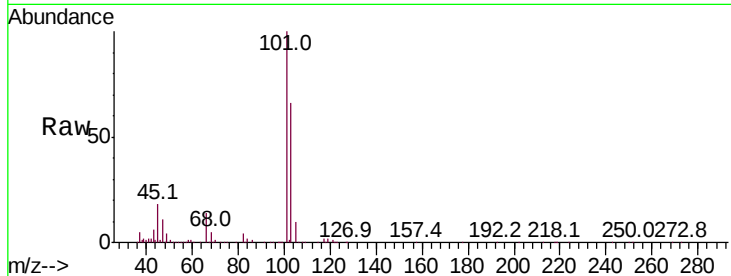
#11
 Trichlorofluoromethane
 Concen: 9.835 ppbv
 RT: 3.93 min Scan# 357
 Delta R.T. -0.01 min
 Lab File: VL037638.D
 Acq: 17 Sep 2021 12:08

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.8	51.9	77.9

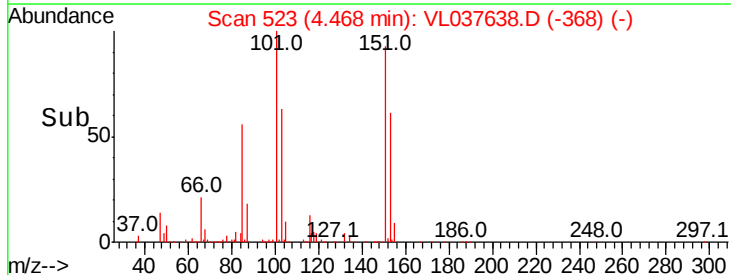
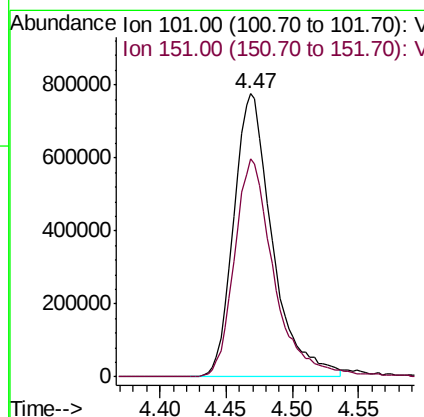
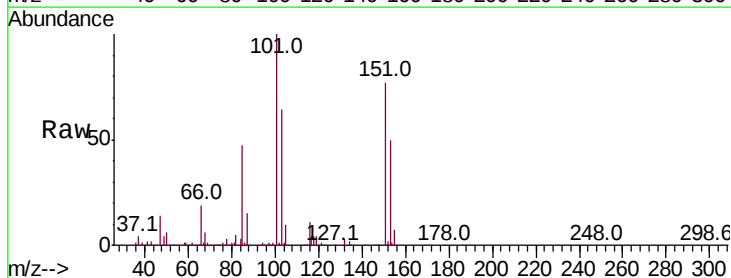
Manual Integrations
 APPROVED

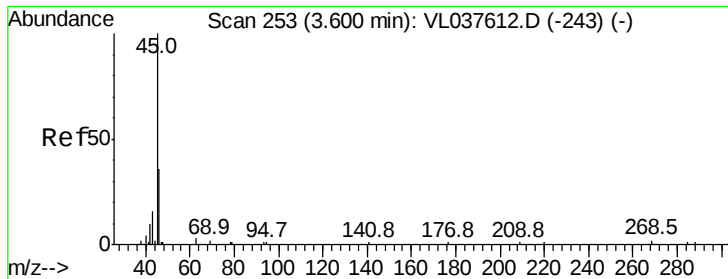
MMDadoda
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#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 10.147 ppbv
 RT: 4.47 min Scan# 523
 Delta R.T. -0.00 min
 Lab File: VL037638.D
 Acq: 17 Sep 2021 12:08

Tgt Ion	Ratio	Lower	Upper
101	100		
151	79.8	63.5	95.3





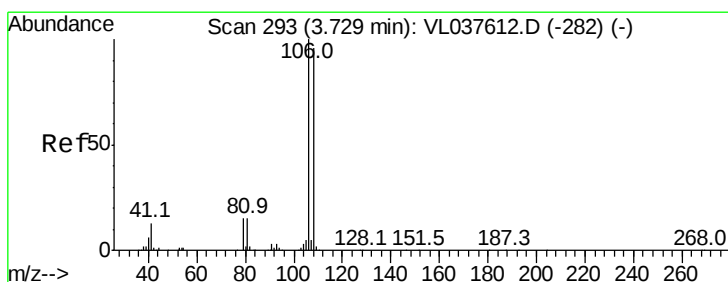
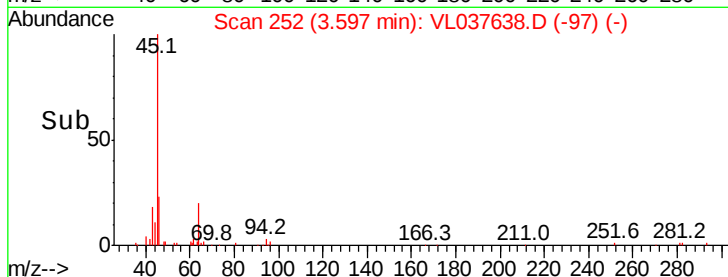
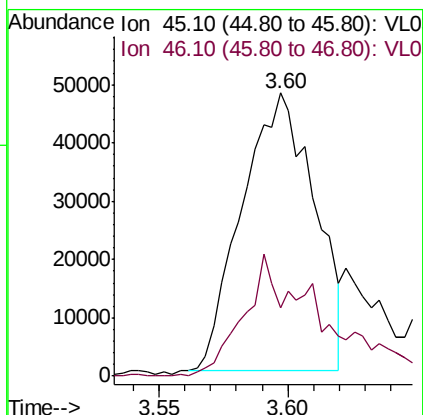
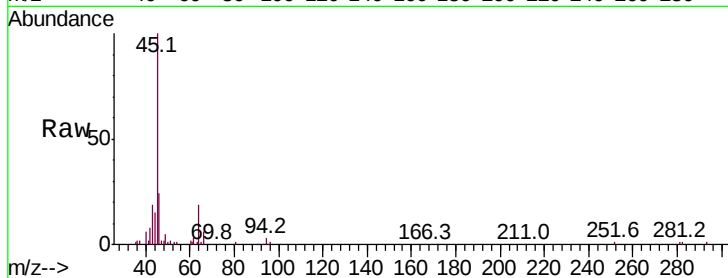
#13
Ethanol
Concen: 9.926 ppbv
RT: 3.60 min Scan# 252
Delta R.T. -0.00 min
Lab File: VL037638.D
Acq: 17 Sep 2021 12:08

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	45	46	Ratio	100	53.3	Resp	93334	Lower	Upper
45	100								
46		53.3						17.2	68.8

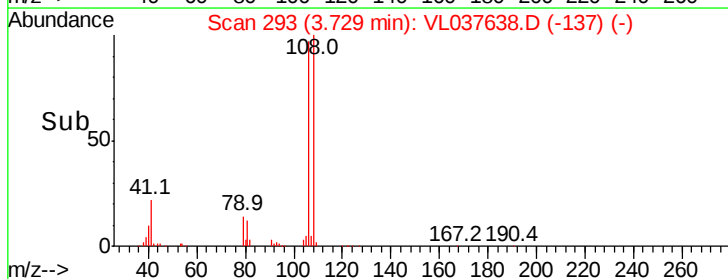
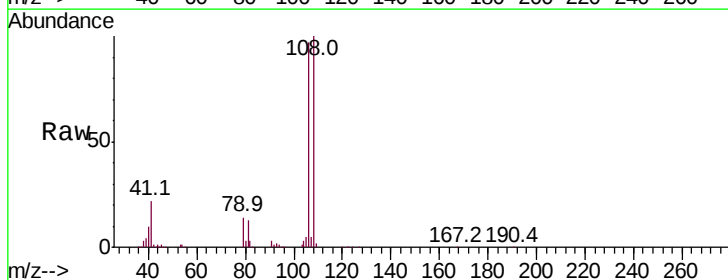
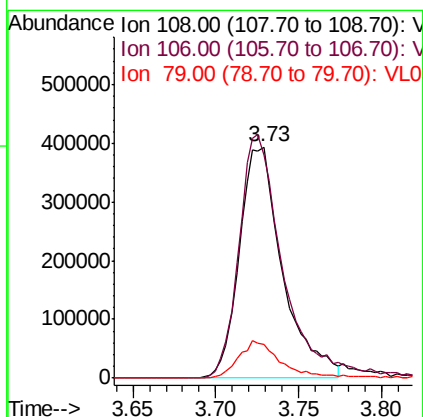
Manual Integrations
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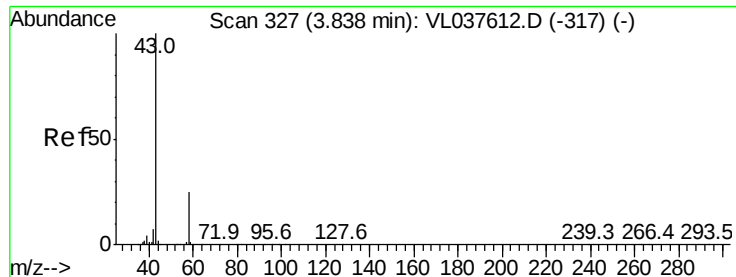
MMDadoda
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#14
Bromoethene
Concen: 10.116 ppbv
RT: 3.73 min Scan# 293
Delta R.T. 0.00 min
Lab File: VL037638.D
Acq: 17 Sep 2021 12:08

Tgt Ion	108	106	79	Ratio	100	110.3	16.1	Resp	713414	Lower	Upper
108	100										
106		110.3								88.2	132.4
79			16.1							12.8	19.2





#15

Acetone

Concen: 8.028 ppbv

RT: 3.83 min Scan# 325

Delta R.T. -0.01 min

Lab File: VL037638.D

Acq: 17 Sep 2021 12:08

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 43 Resp: 1205045

Ion Ratio Lower Upper

43 100

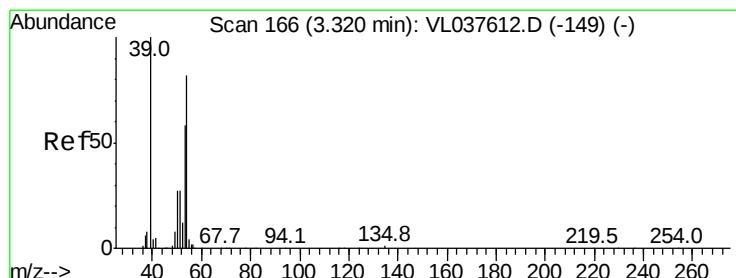
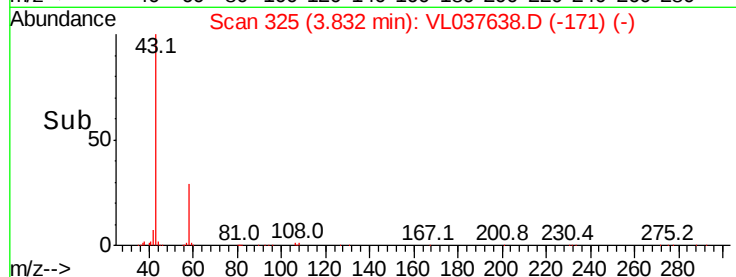
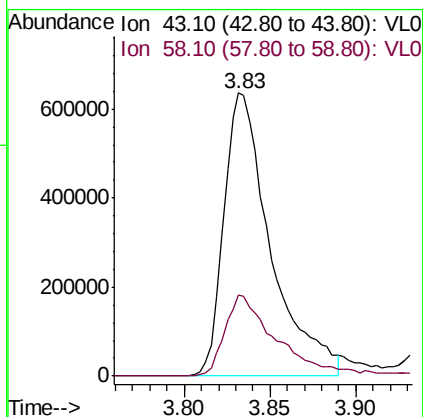
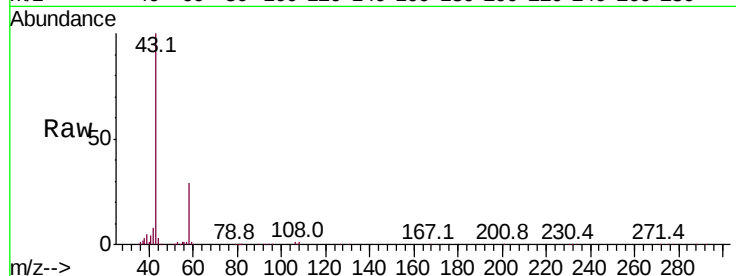
58 32.6 24.9 37.3

Manual Integrations

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#16

1,3-Butadiene

Concen: 10.456 ppbv

RT: 3.31 min Scan# 164

Delta R.T. -0.01 min

Lab File: VL037638.D

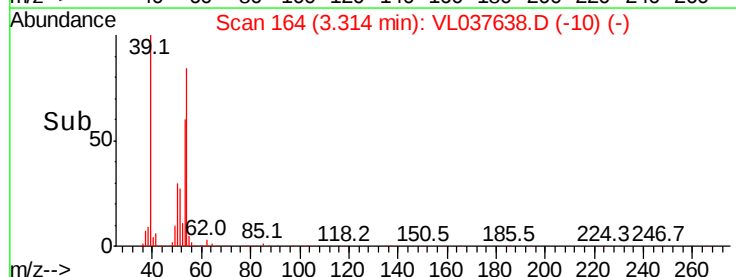
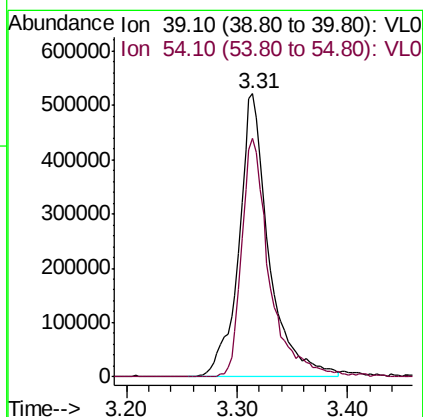
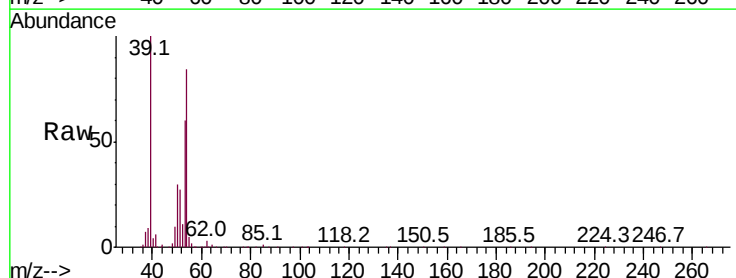
Acq: 17 Sep 2021 12:08

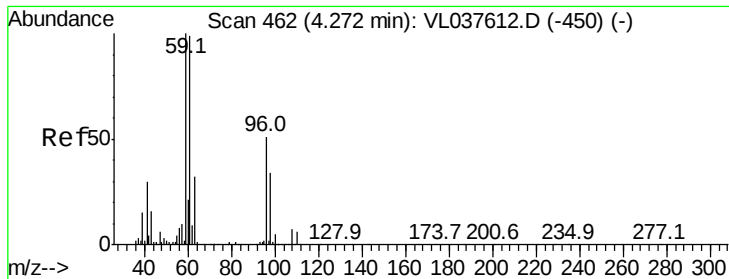
Tgt Ion: 39 Resp: 980795

Ion Ratio Lower Upper

39 100

54 78.8 62.6 93.8





#17

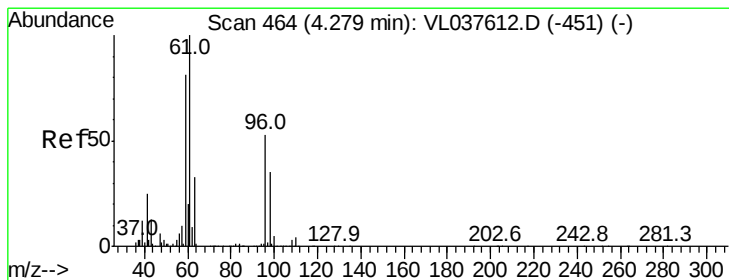
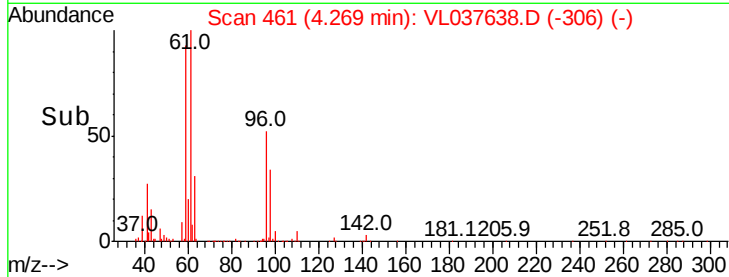
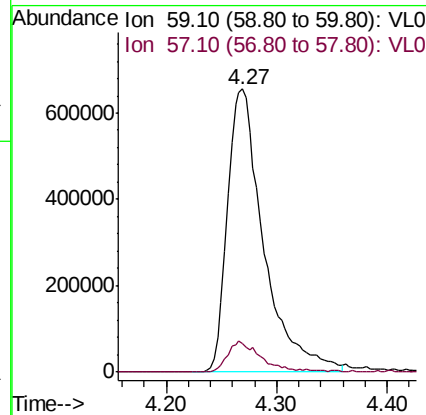
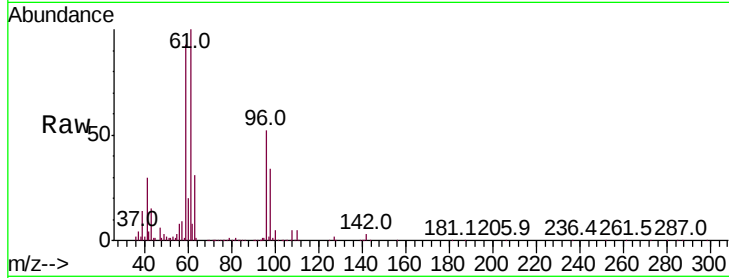
tert-Butyl alcohol
 Concen: 11.746 ppbv
 RT: 4.27 min Scan# 461
 Delta R.T. -0.00 min
 Lab File: VL037638.D
 Acq: 17 Sep 2021 12:08

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion: 59 Resp: 1495206
 Ion Ratio Lower Upper
 59 100
 57 10.9 8.4 12.6

Manual Integrations
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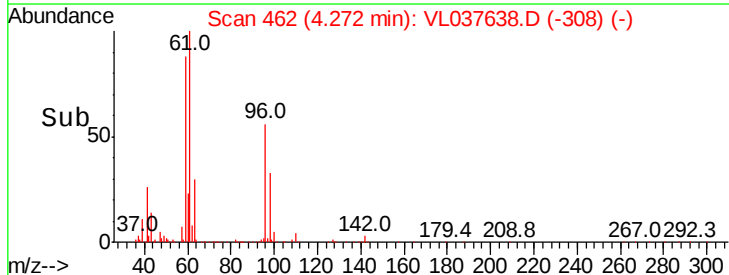
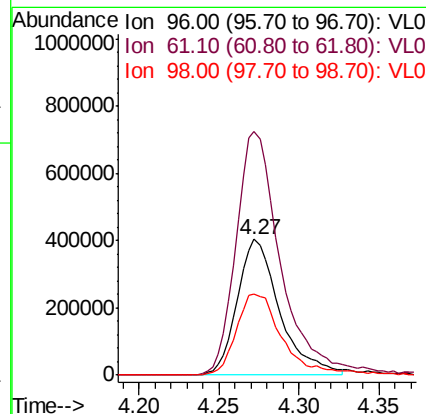
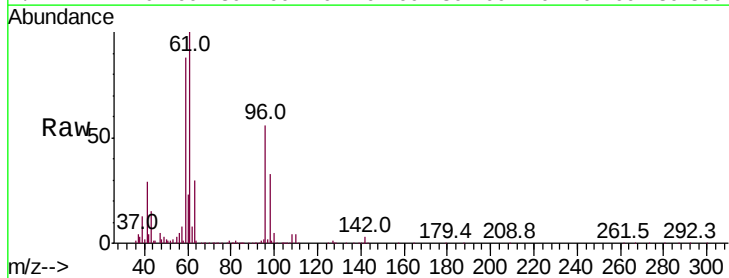
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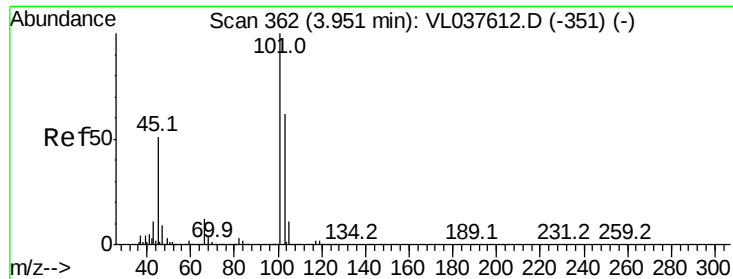


#18

1,1-Dichloroethene
 Concen: 10.133 ppbv
 RT: 4.27 min Scan# 462
 Delta R.T. -0.01 min
 Lab File: VL037638.D
 Acq: 17 Sep 2021 12:08

Tgt Ion: 96 Resp: 731342
 Ion Ratio Lower Upper
 96 100
 61 179.6 150.4 225.6
 98 60.0 52.1 78.1





#19

Isopropyl Alcohol

Concen: 10.094 ppbv

RT: 3.94 min Scan# 360

Delta R.T. -0.01 min

Lab File: VL037638.D

Acq: 17 Sep 2021 12:08

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 45 Resp: 824435

Ion Ratio Lower Upper

45 100

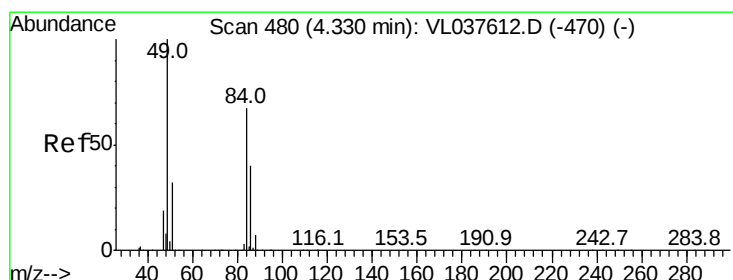
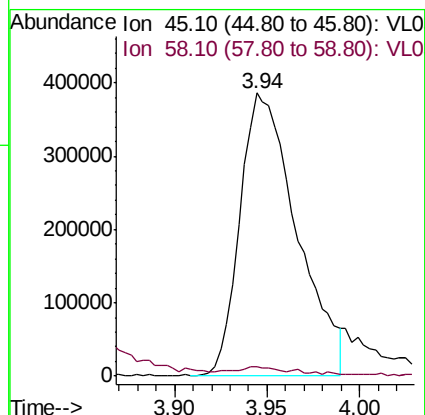
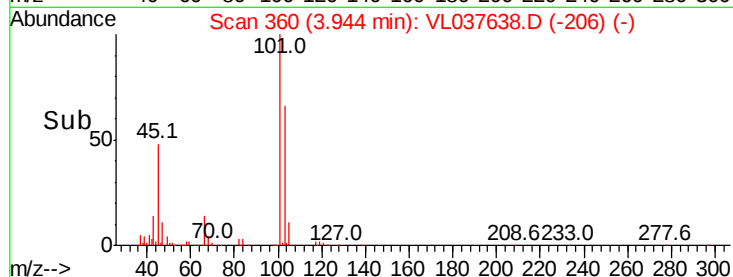
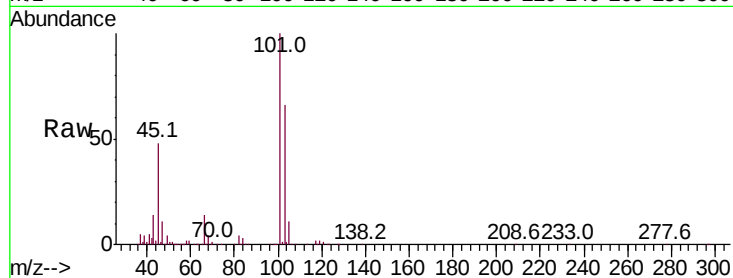
58 2.9 2.9 4.3

Manual Integrations

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#20

Methylene Chloride

Concen: 8.825 ppbv

RT: 4.33 min Scan# 480

Delta R.T. 0.00 min

Lab File: VL037638.D

Acq: 17 Sep 2021 12:08

Tgt Ion: 84 Resp: 632419

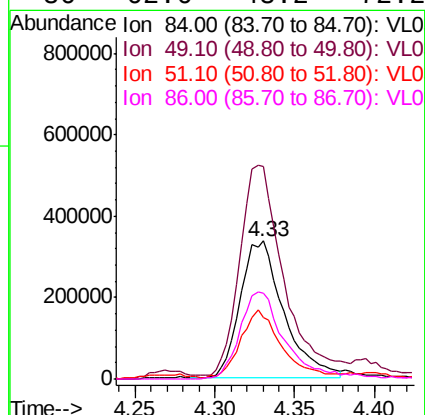
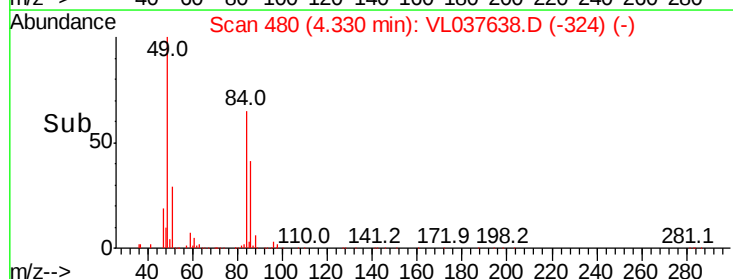
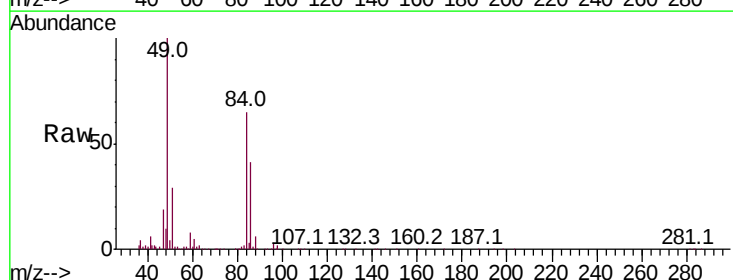
Ion Ratio Lower Upper

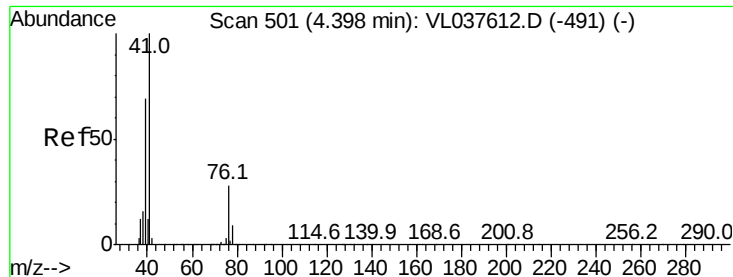
84 100

49 152.1 120.0 180.0

51 43.5 38.0 57.0

86 62.6 48.2 72.2





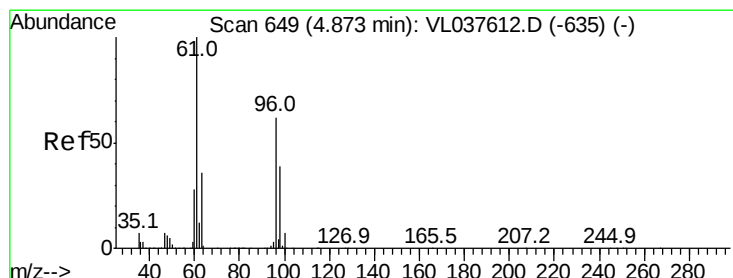
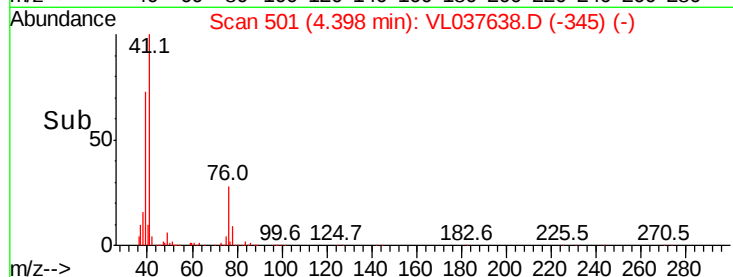
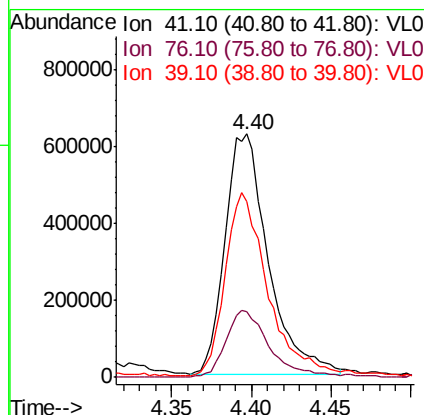
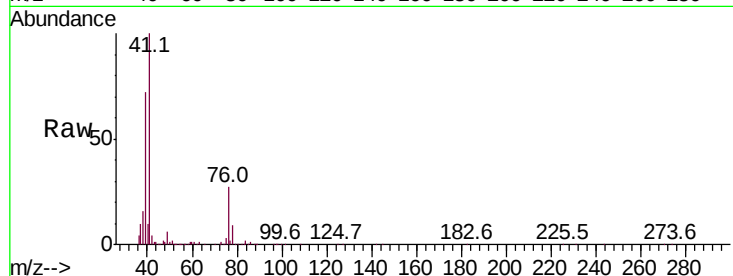
#21
Allvl Chloride
Concen: 10.281 ppbv
RT: 4.40 min Scan# 501
Delta R.T. 0.00 min
Lab File: VL037638.D
Acq: 17 Sep 2021 12:08

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 41 Resp: 1152983
Ion Ratio Lower Upper
41 100
76 28.7 23.1 34.7
39 77.3 61.0 91.6

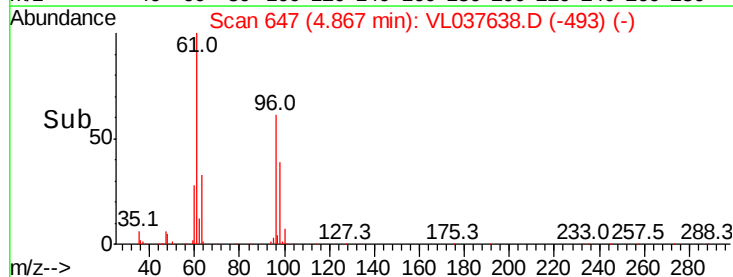
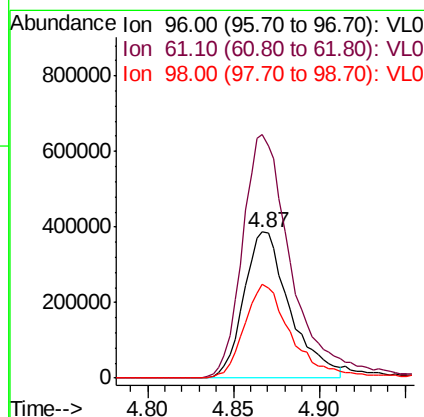
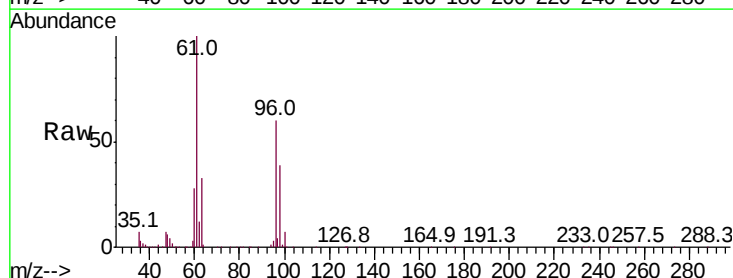
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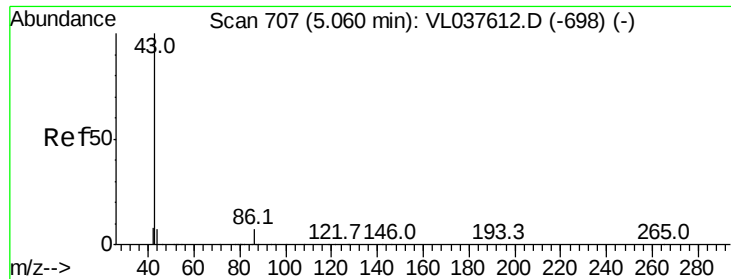
MMDadoda
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#22
trans-1,2-Dichloroethene
Concen: 9.921 ppbv
RT: 4.87 min Scan# 647
Delta R.T. -0.01 min
Lab File: VL037638.D
Acq: 17 Sep 2021 12:08

Tgt Ion: 96 Resp: 720418
Ion Ratio Lower Upper
96 100
61 166.5 129.2 193.8
98 64.3 50.4 75.6





#23

Vinyl Acetate

Concen: 9.930 ppbv

RT: 5.05 min Scan# 705

Delta R.T. -0.01 min

Lab File: VL037638.D

Acq: 17 Sep 2021 12:08

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 43 Resp: 2062615

Ion Ratio Lower Upper

43 100

86 7.0 5.0 7.6

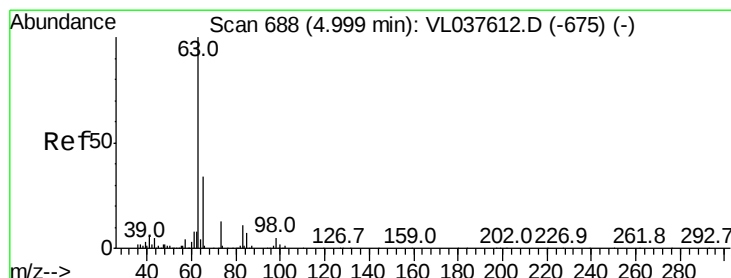
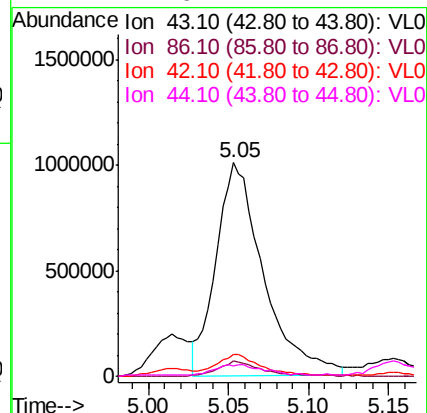
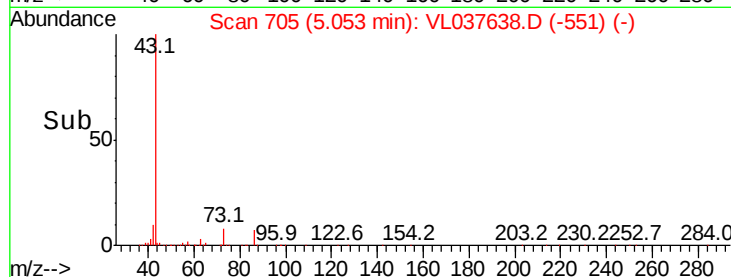
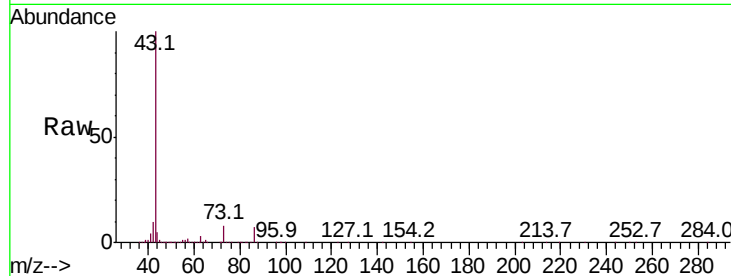
42 10.0 7.5 11.3

44 4.6 4.7 7.1#

Manual Integrations
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#24

1,1-Dichloroethane

Concen: 9.977 ppbv

RT: 4.99 min Scan# 686

Delta R.T. -0.01 min

Lab File: VL037638.D

Acq: 17 Sep 2021 12:08

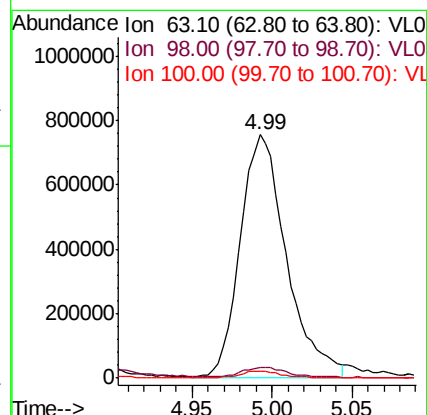
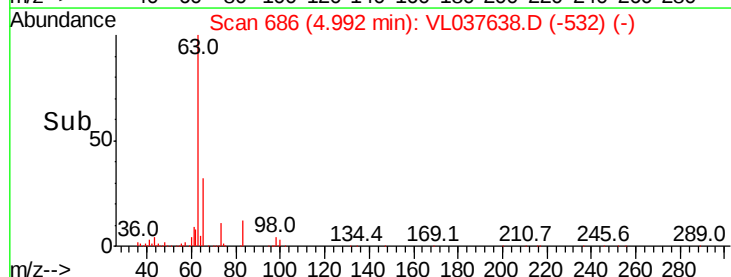
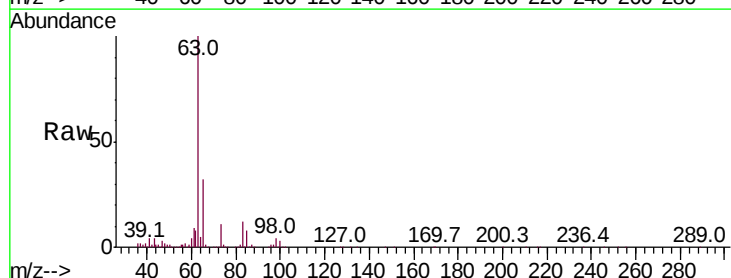
Tgt Ion: 63 Resp: 1484700

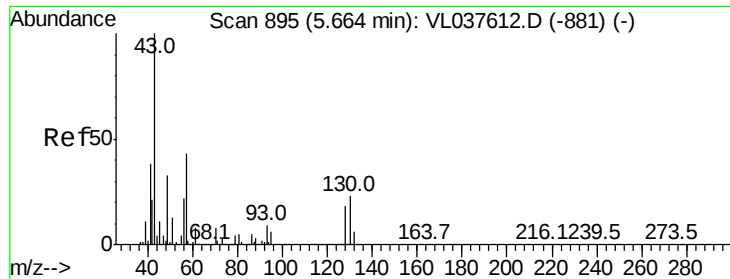
Ion Ratio Lower Upper

63 100

98 3.9 2.4 7.2

100 2.4 1.1 3.5





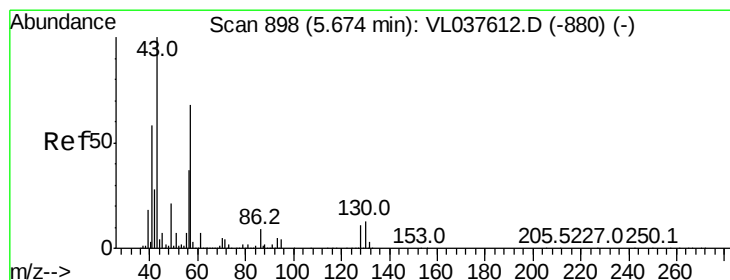
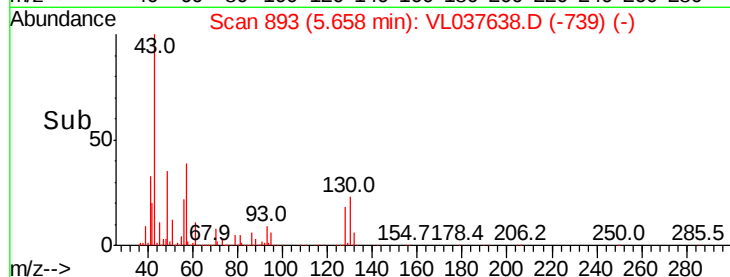
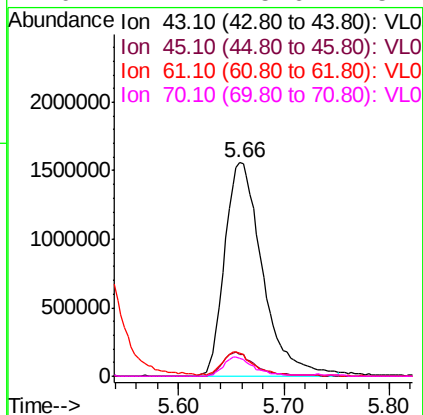
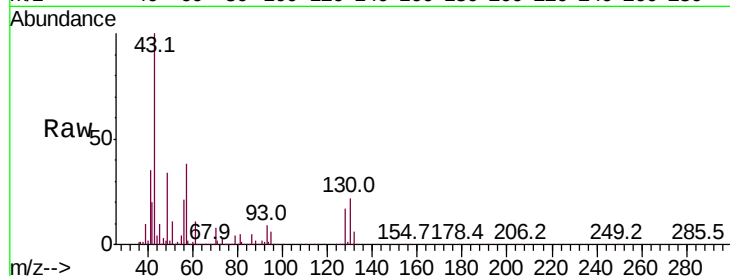
#25
Ethyl Acetate
Concen: 10.589 ppbv
RT: 5.66 min Scan# 893
Delta R.T. -0.01 min
Lab File: VL037638.D
Acq: 17 Sep 2021 12:08

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	43	Resp	3849854
Ion	Ratio	Lower	Upper
43	100		
45	10.1	8.0	12.0
61	10.1	7.5	11.3
70	7.4	5.6	8.4

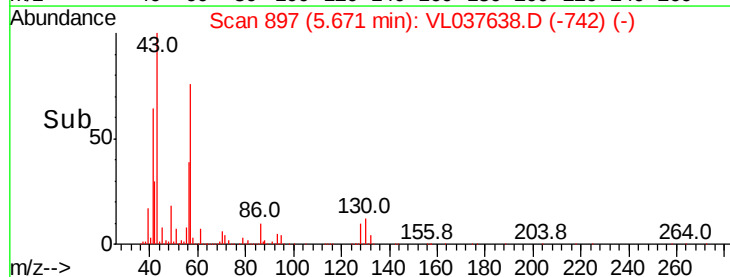
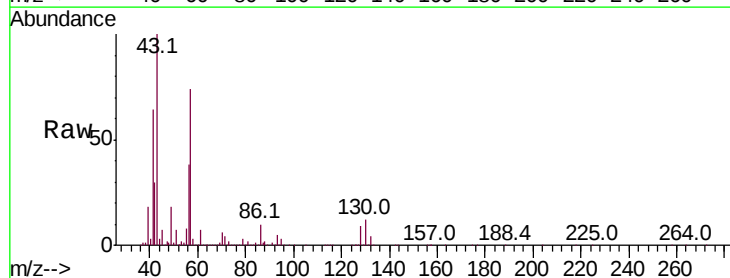
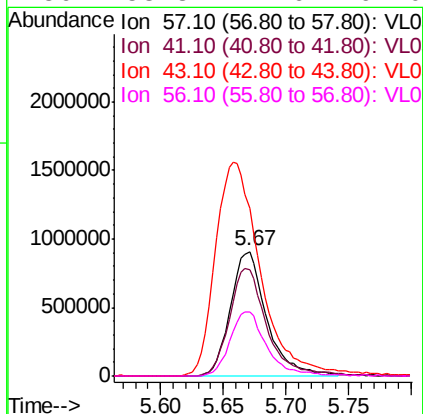
Manual Integrations
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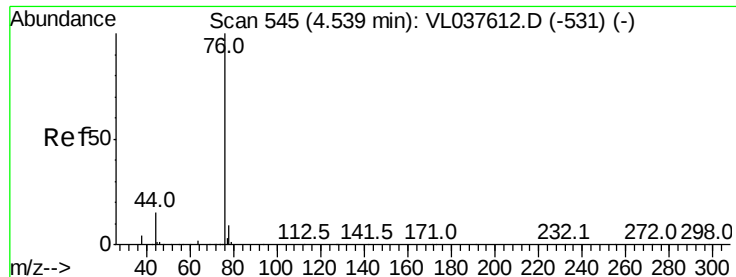
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#26
Hexane
Concen: 10.532 ppbv
RT: 5.67 min Scan# 897
Delta R.T. -0.00 min
Lab File: VL037638.D
Acq: 17 Sep 2021 12:08

Tgt Ion	57	Resp	1818889
Ion	Ratio	Lower	Upper
57	100		
41	90.0	70.9	106.3
43	214.5	170.4	255.6
56	53.3	42.6	64.0





#27

Carbon Disulfide

Concen: 11.192 ppbv

RT: 4.53 min Scan# 543

Delta R.T. -0.01 min

Lab File: VL037638.D

Acq: 17 Sep 2021 12:08

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 76 Resp: 1768173

Ion Ratio Lower Upper

76 100

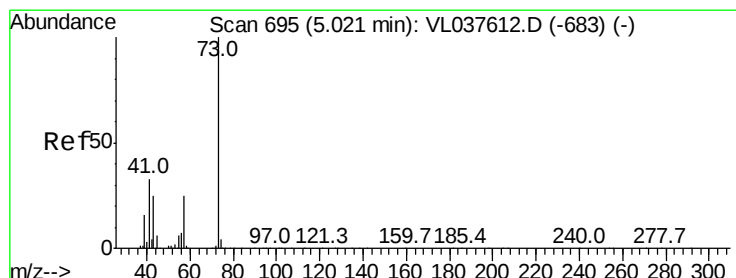
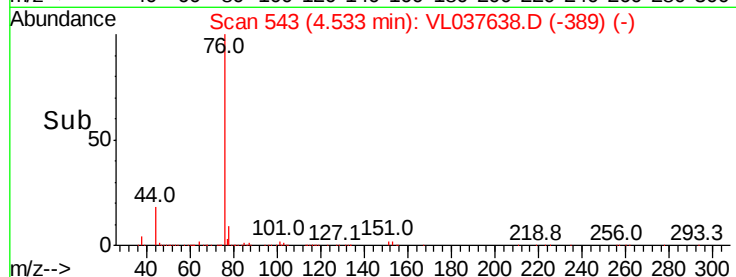
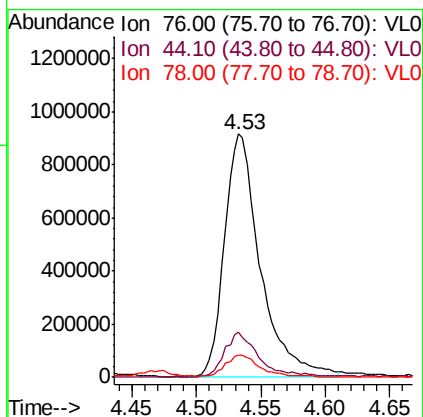
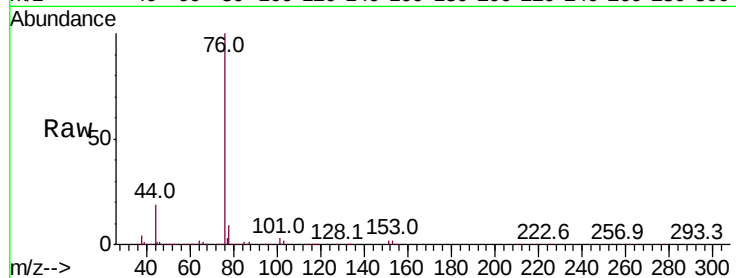
44 17.5 14.2 21.2

78 9.4 7.4 11.0

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#28

Methyl tert-Butyl Ether

Concen: 10.009 ppbv

RT: 5.01 min Scan# 693

Delta R.T. -0.01 min

Lab File: VL037638.D

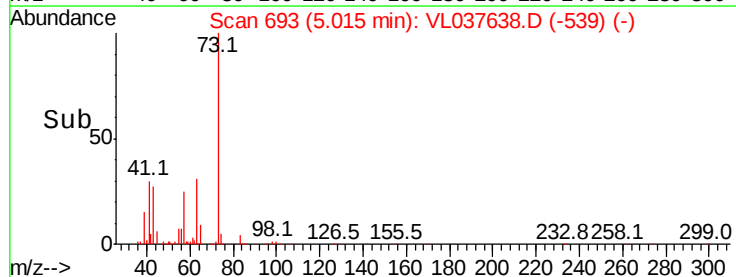
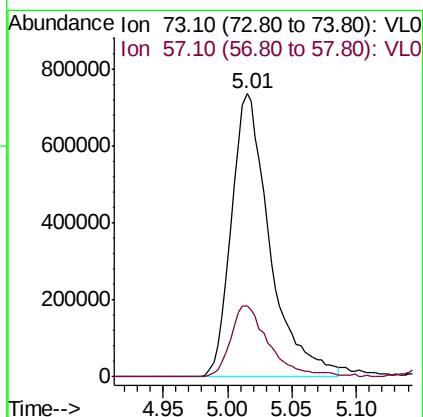
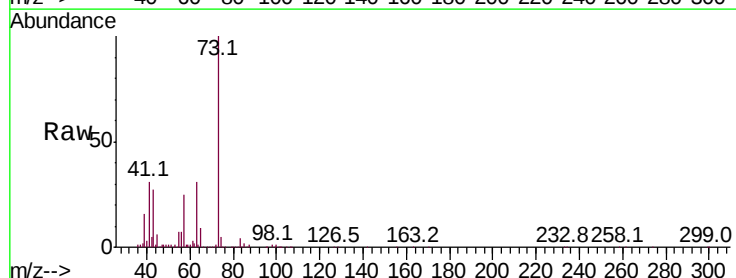
Acq: 17 Sep 2021 12:08

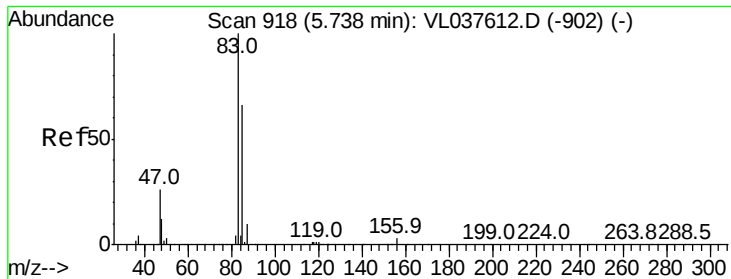
Tgt Ion: 73 Resp: 1522567

Ion Ratio Lower Upper

73 100

57 25.6 20.1 30.1





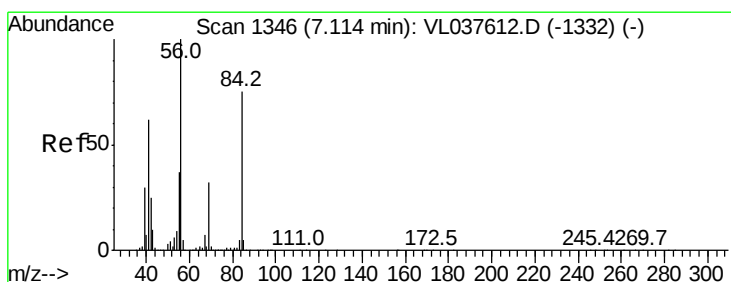
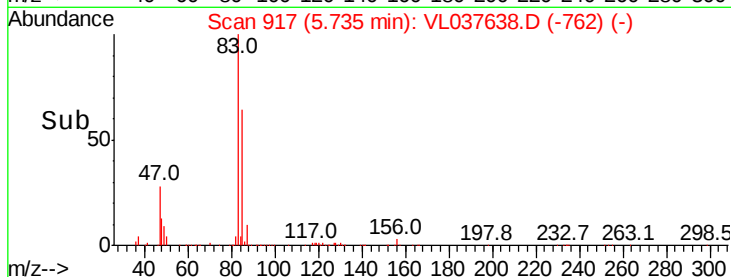
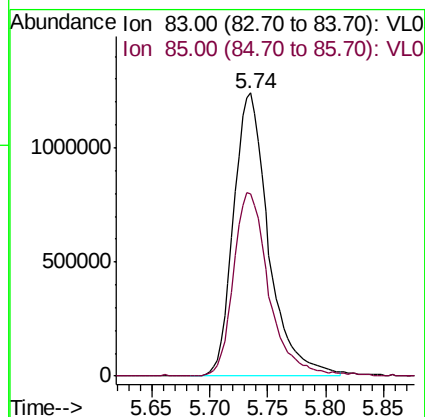
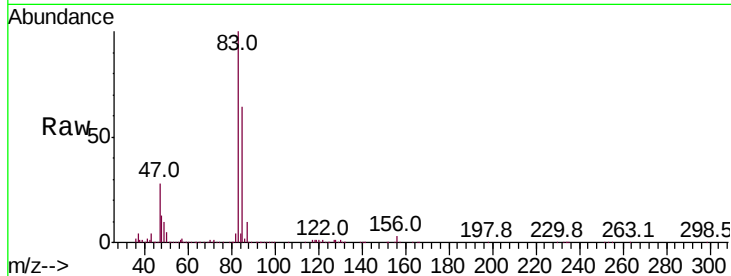
#29
Chloroform
Concen: 10.310 ppbv
RT: 5.74 min Scan# 917
Delta R.T. -0.00 min
Lab File: VL037638.D
Acq: 17 Sep 2021 12:08

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 83 Resp: 2600027
Ion Ratio Lower Upper
83 100
85 64.1 52.6 79.0

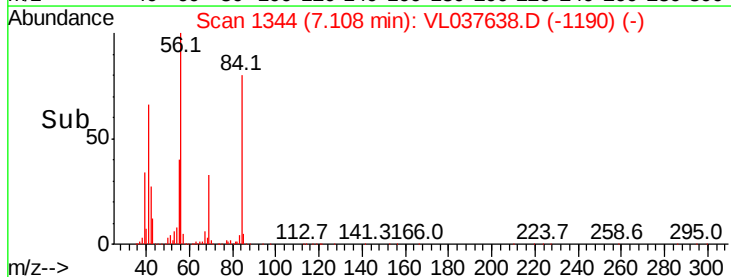
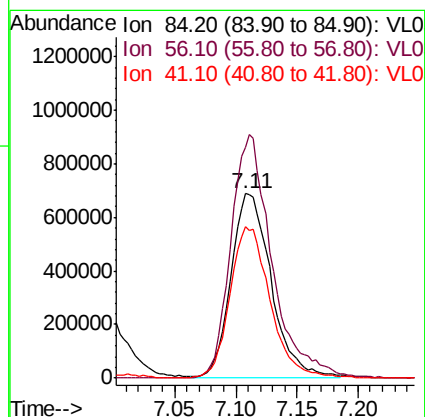
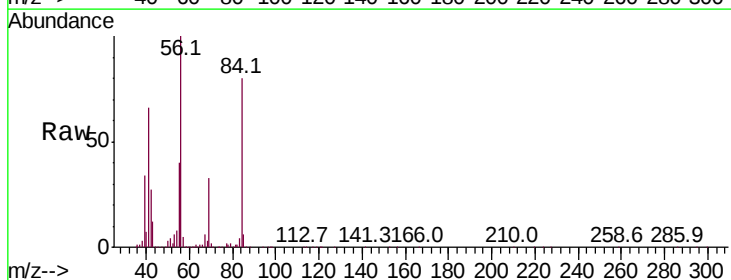
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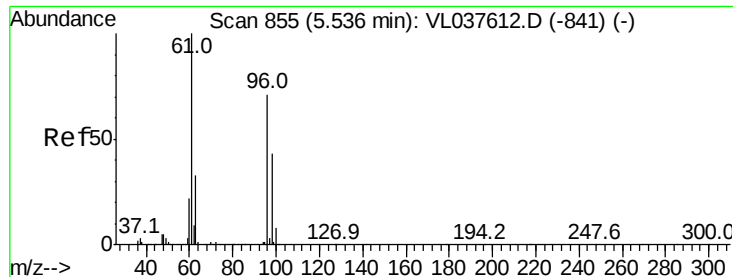
MMDadoda
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#30
Cyclohexane
Concen: 10.664 ppbv
RT: 7.11 min Scan# 1344
Delta R.T. -0.01 min
Lab File: VL037638.D
Acq: 17 Sep 2021 12:08

Tgt Ion: 84 Resp: 1575070
Ion Ratio Lower Upper
84 100
56 135.6 113.6 170.4
41 82.0 67.9 101.9





#31

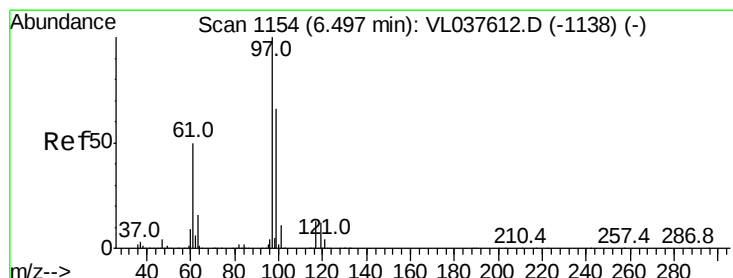
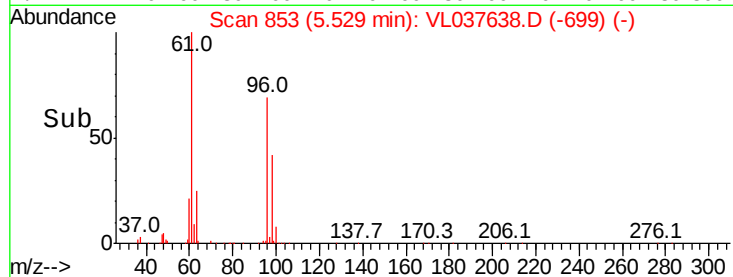
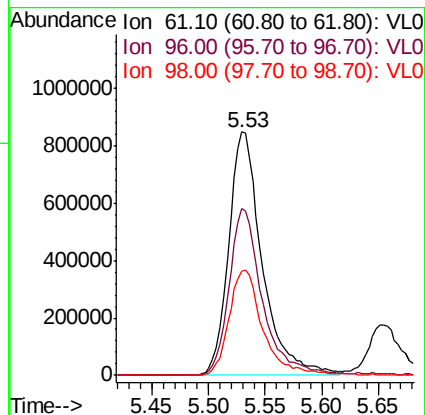
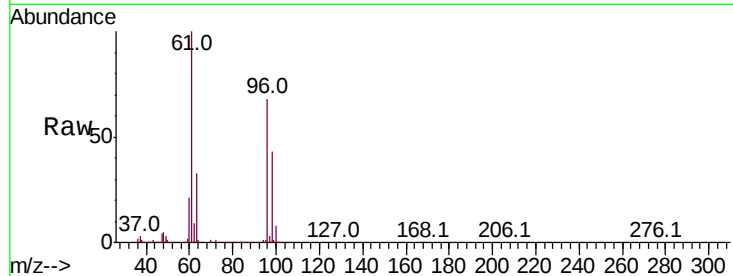
cis-1,2-Dichloroethene
Concen: 11.117 ppbv
RT: 5.53 min Scan# 853
Delta R.T. -0.01 min
Lab File: VL037638.D
Acq: 17 Sep 2021 12:08

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
61	100		
96	68.3	56.7	85.1
98	42.5	34.6	52.0

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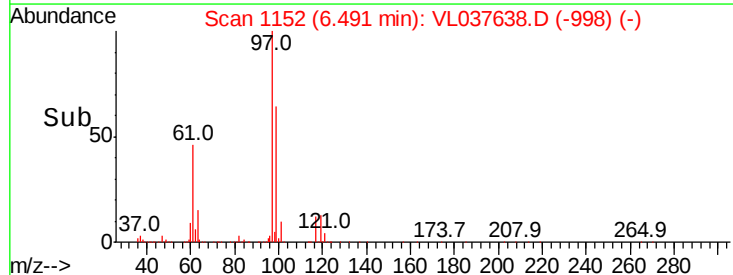
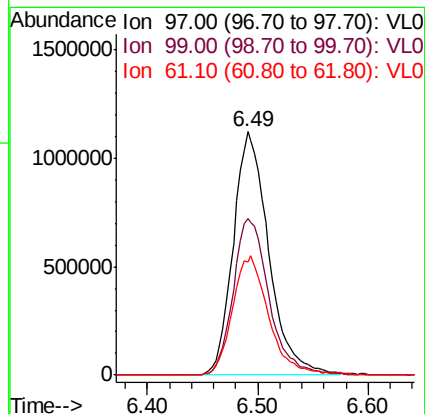
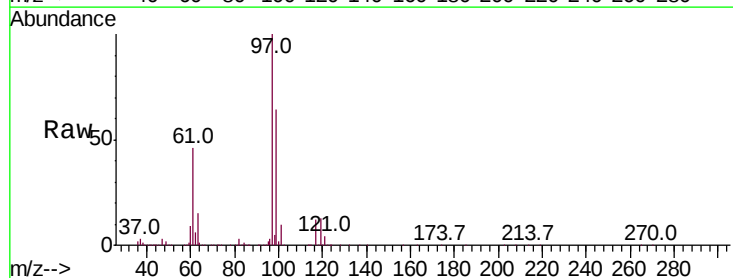
MMDadoda
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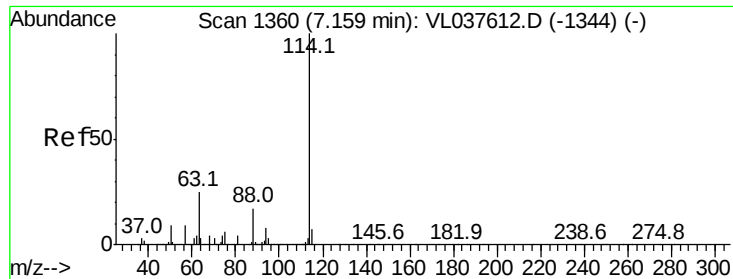


#32

1,1,1-Trichloroethane
Concen: 10.650 ppbv
RT: 6.49 min Scan# 1152
Delta R.T. -0.01 min
Lab File: VL037638.D
Acq: 17 Sep 2021 12:08

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.4	52.3	78.5
61	50.3	39.5	59.3





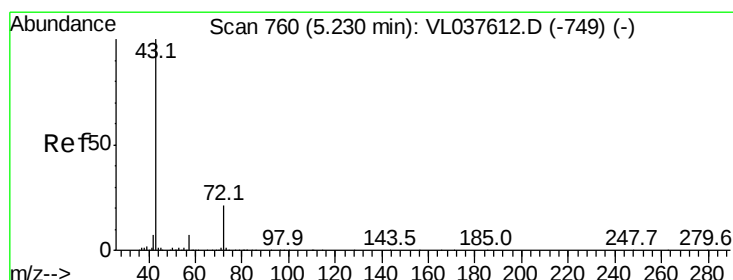
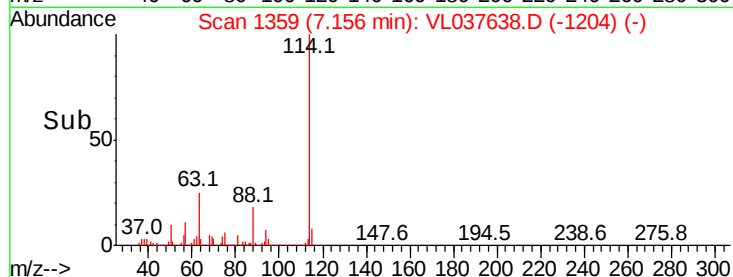
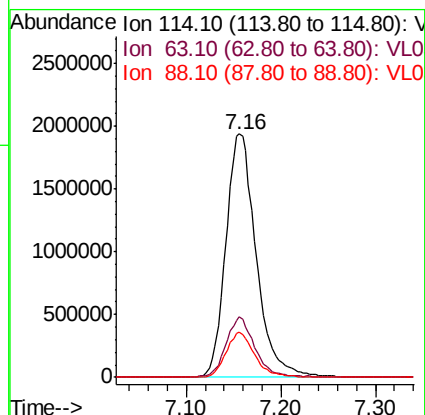
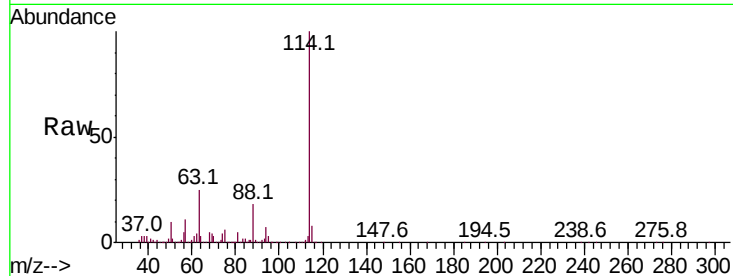
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.16 min Scan# 1359
 Delta R.T. -0.00 min
 Lab File: VL037638.D
 Acq: 17 Sep 2021 12:08

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion:114 Resp: 4320009
 Ion Ratio Lower Upper
 114 100
 63 24.0 19.6 29.4
 88 17.6 14.2 21.4

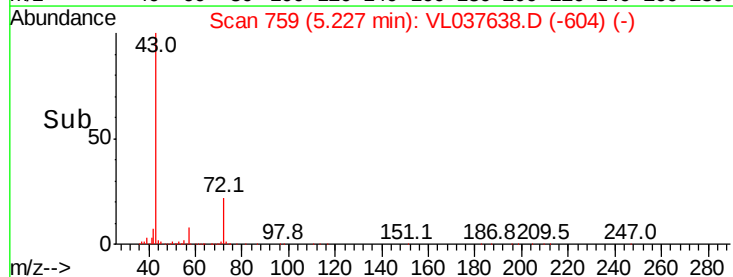
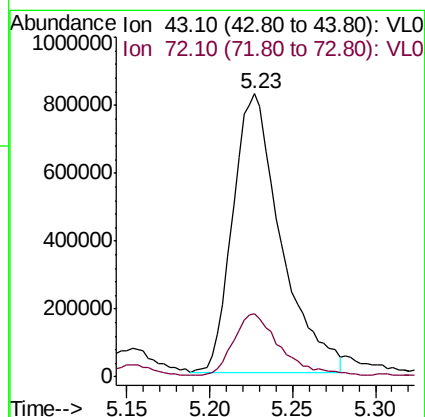
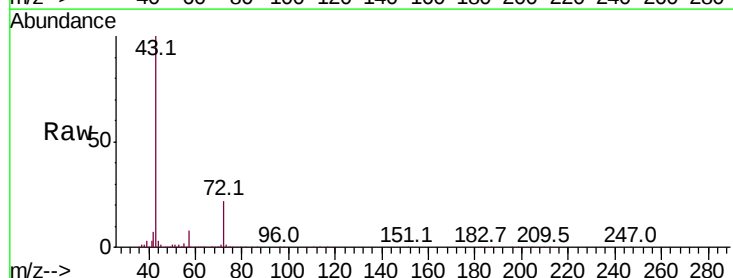
Manual Integrations
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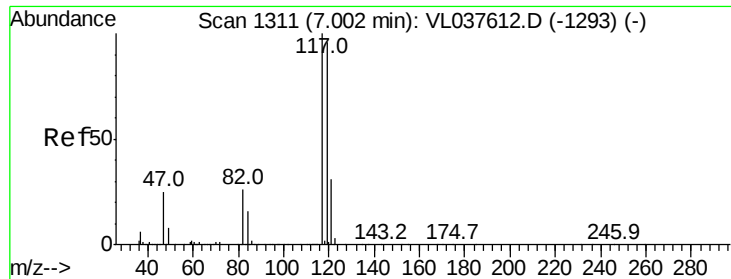
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#34
 2-Butanone
 Concen: 9.431 ppbv
 RT: 5.23 min Scan# 759
 Delta R.T. -0.00 min
 Lab File: VL037638.D
 Acq: 17 Sep 2021 12:08

Tgt Ion: 43 Resp: 1655691
 Ion Ratio Lower Upper
 43 100
 72 23.5 18.4 27.6





#35

Carbon Tetrachloride

Concen: 10.700 ppbv

RT: 7.00 min Scan# 1310

Delta R.T. -0.00 min

Lab File: VL037638.D

Acq: 17 Sep 2021 12:08

Instrument :

MSVOA_L

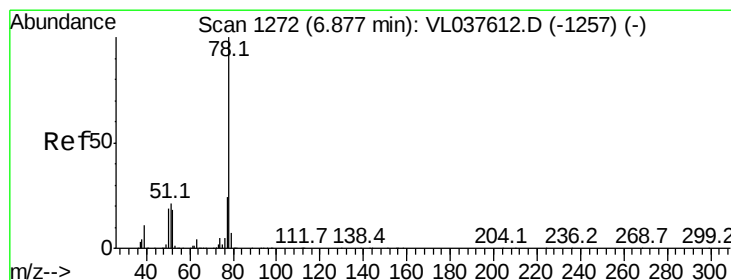
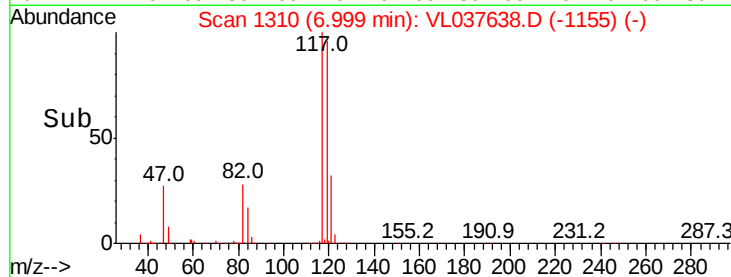
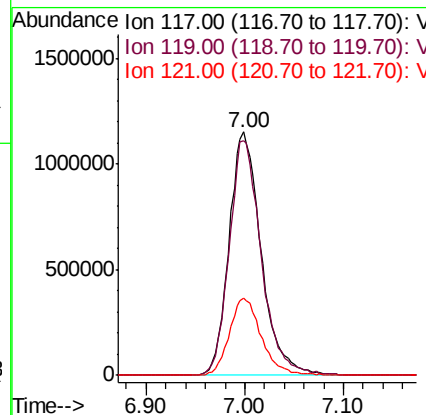
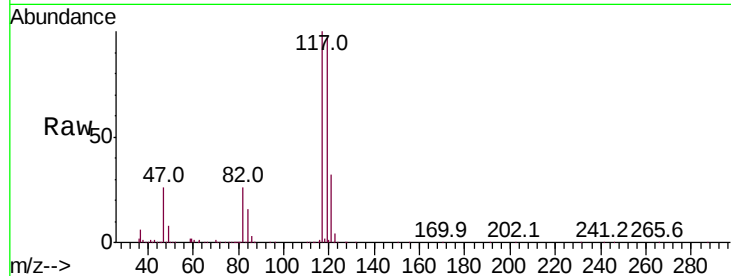
ClientSampleId :

VSTDCCC010

Tot Ion:	117	Resp:	2614637
Ion	Ratio	Lower	Upper
117	100		
119	96.6	77.0	115.6
121	31.7	24.5	36.7

Manual Integrations
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#36

Benzene

Concen: 10.539 ppbv

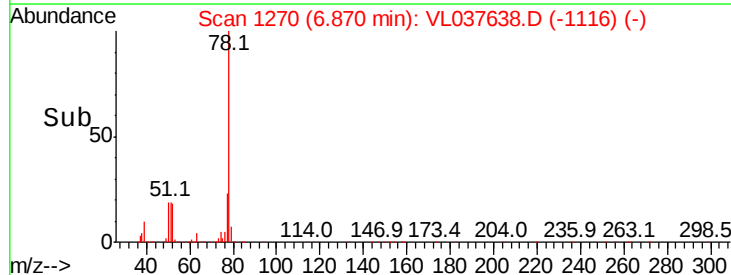
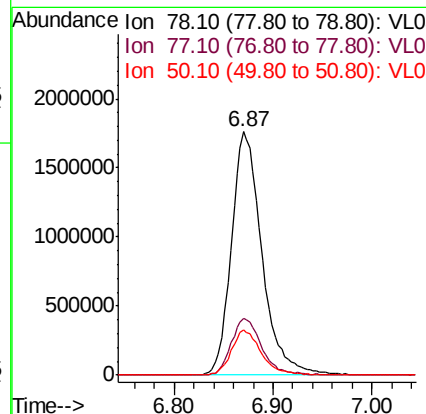
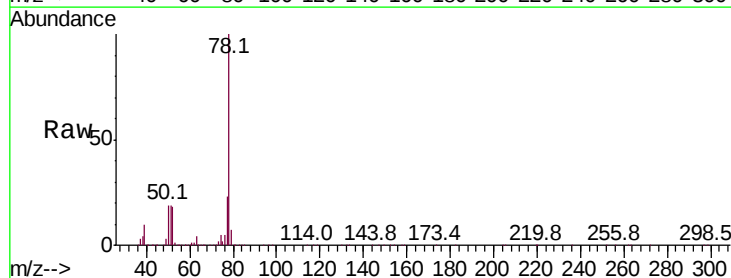
RT: 6.87 min Scan# 1270

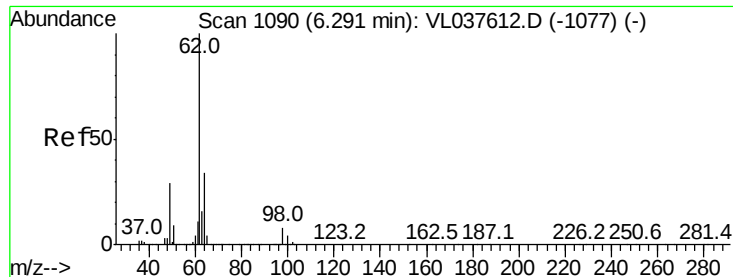
Delta R.T. -0.01 min

Lab File: VL037638.D

Acq: 17 Sep 2021 12:08

Tgt Ion:	78	Resp:	3796502
Ion	Ratio	Lower	Upper
78	100		
77	23.1	19.0	28.4
50	18.5	14.8	22.2





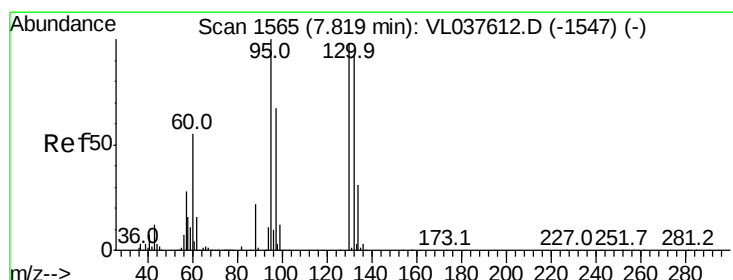
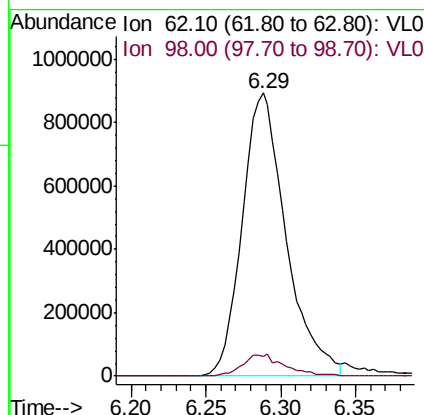
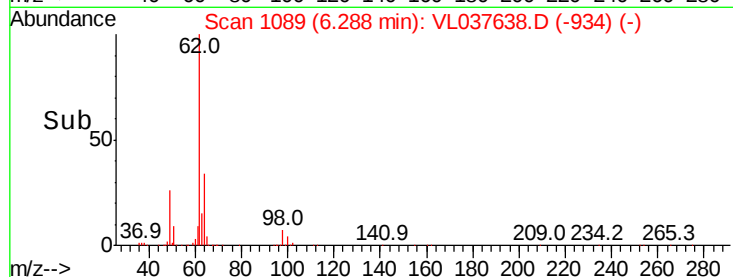
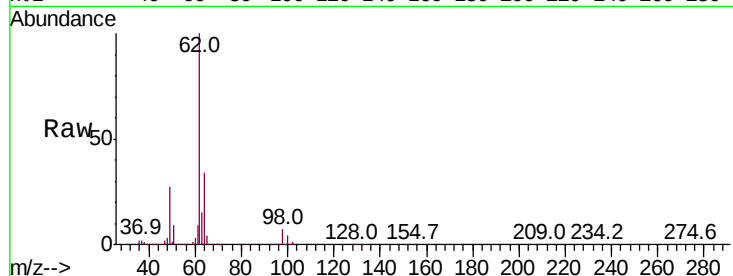
#37
1,2-Dichloroethane
Concen: 10.300 ppbv
RT: 6.29 min Scan# 1089
Delta R.T. -0.00 min
Lab File: VL037638.D
Acq: 17 Sep 2021 12:08

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 62 Resp: 1824882
Ion Ratio Lower Upper
62 100
98 7.5 6.1 9.1

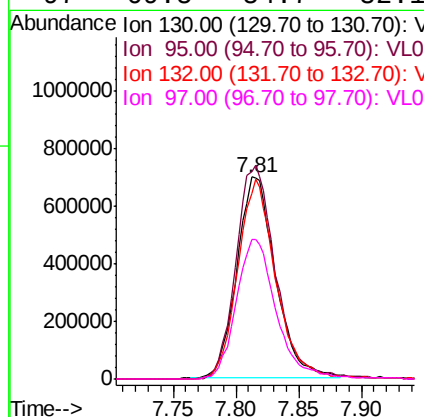
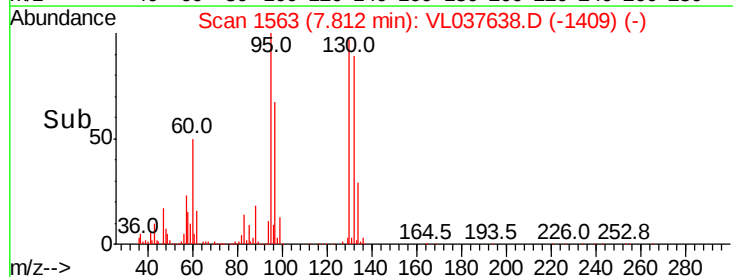
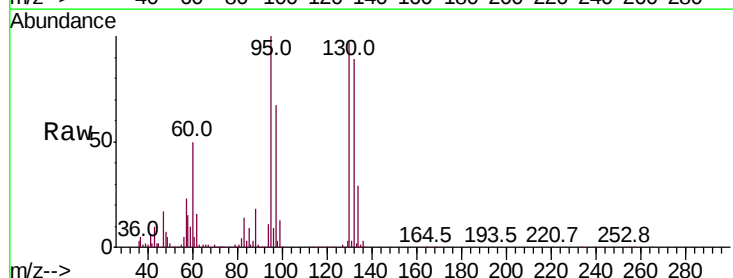
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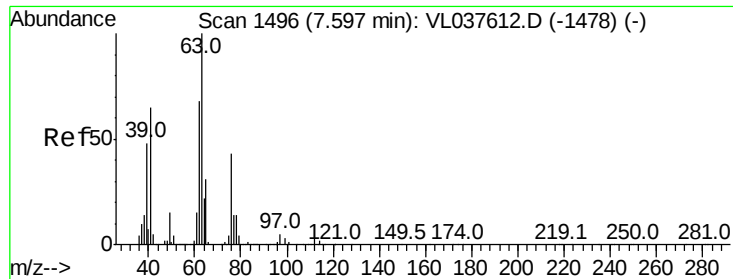
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#38
Trichloroethene
Concen: 9.974 ppbv
RT: 7.81 min Scan# 1563
Delta R.T. -0.01 min
Lab File: VL037638.D
Acq: 17 Sep 2021 12:08

Tgt Ion:130 Resp: 1500927
Ion Ratio Lower Upper
130 100
95 103.3 81.8 122.6
132 91.9 75.3 112.9
97 69.5 54.7 82.1





#39

1,2-Dichloropropane

Concen: 10.599 ppbv

RT: 7.59 min Scan# 1495

Delta R.T. -0.00 min

Lab File: VL037638.D

Acq: 17 Sep 2021 12:08

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 63 Resp: 1462378

Ion Ratio Lower Upper

63 100

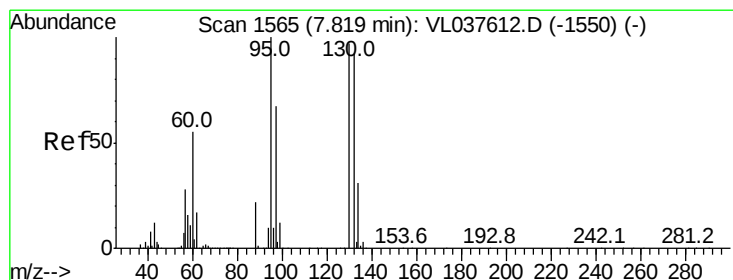
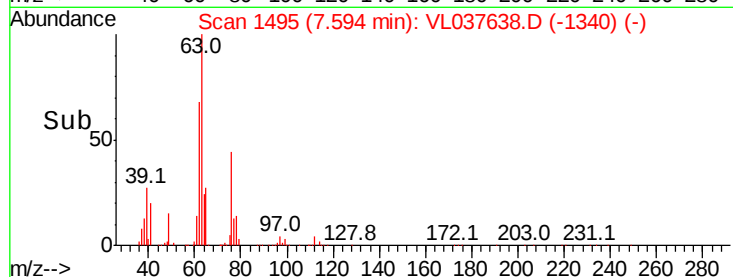
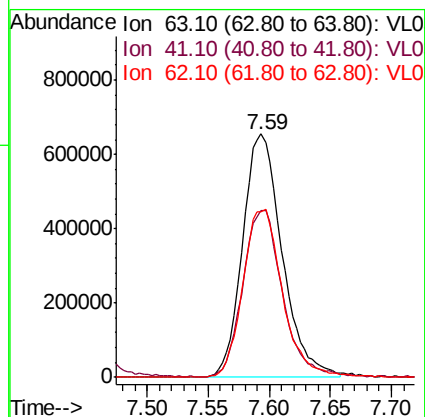
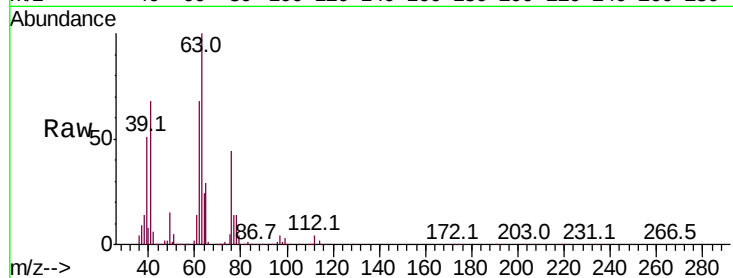
41 67.9 51.6 77.4

62 67.7 54.6 81.8

Manual Integrations
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#40

1,4-Dioxane

Concen: 9.835 ppbv m

RT: 7.81 min Scan# 1563

Delta R.T. -0.01 min

Lab File: VL037638.D

Acq: 17 Sep 2021 12:08

Tgt Ion: 88 Resp: 330089

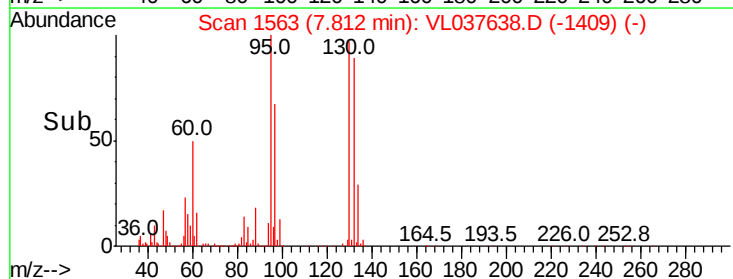
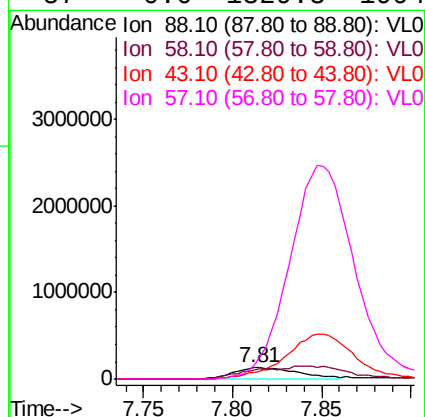
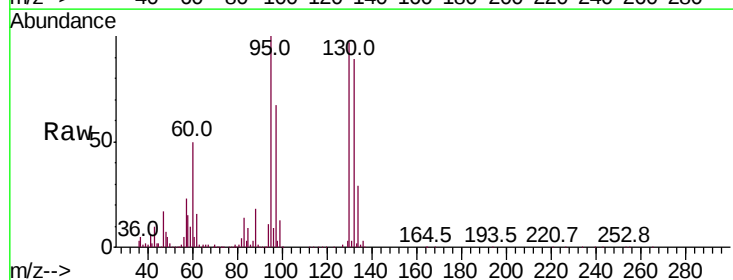
Ion Ratio Lower Upper

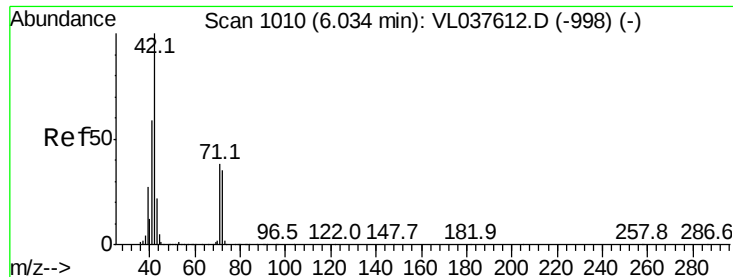
88 100

58 0.0 122.4 183.6#

43 0.0 297.4 446.0#

57 0.0 1329.8 1994.8#





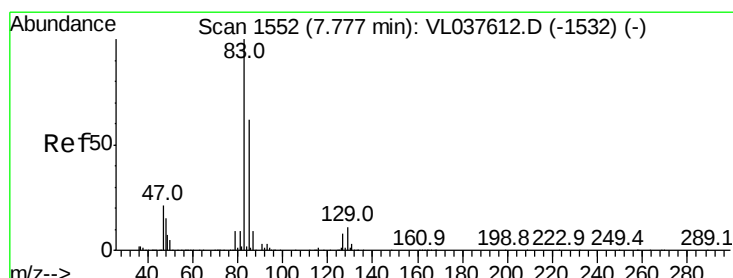
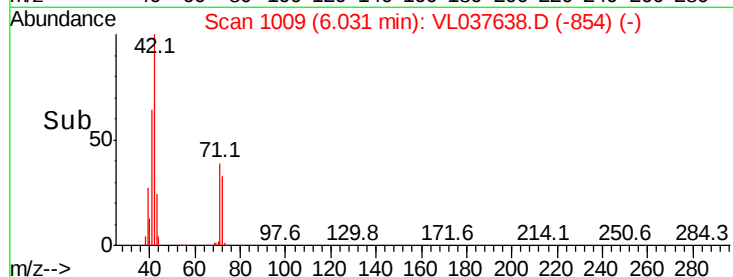
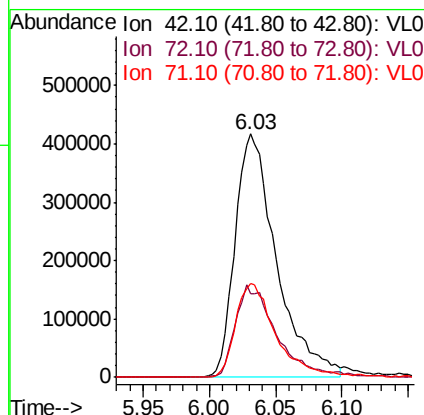
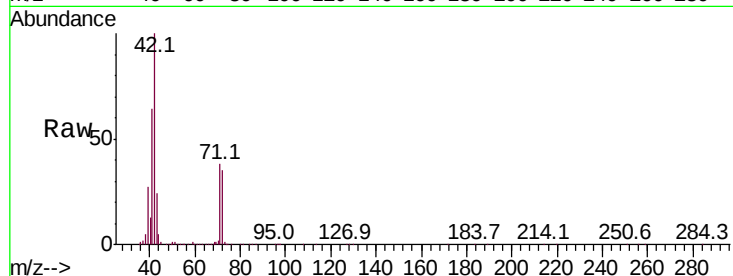
#41
Tetrahydrofuran
Concen: 11.000 ppbv
RT: 6.03 min Scan# 1009
Delta R.T. -0.00 min
Lab File: VL037638.D
Acq: 17 Sep 2021 12:08

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
42	100		
72	38.2	31.4	47.2
71	38.3	30.6	46.0

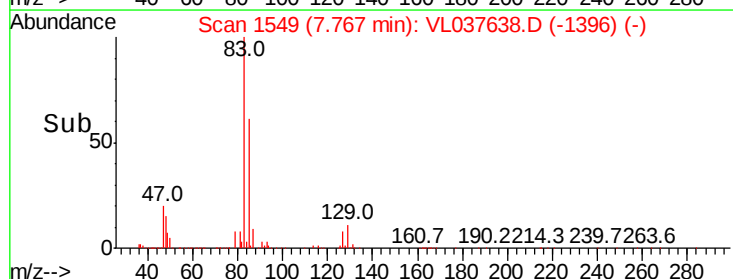
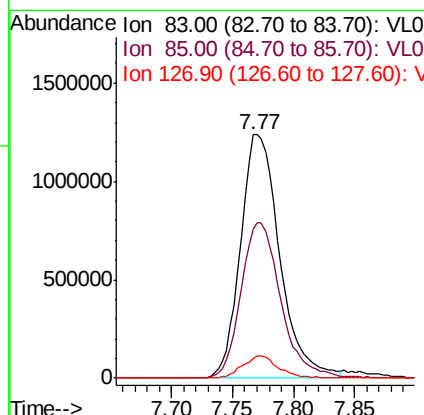
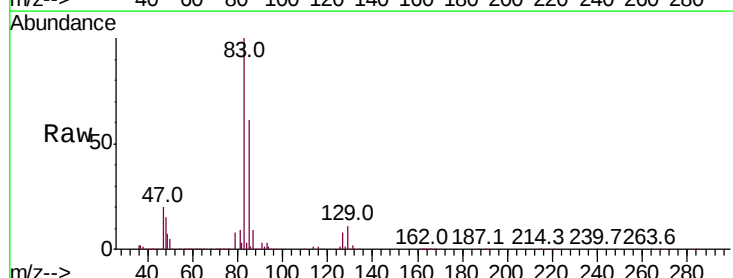
Manual Integrations
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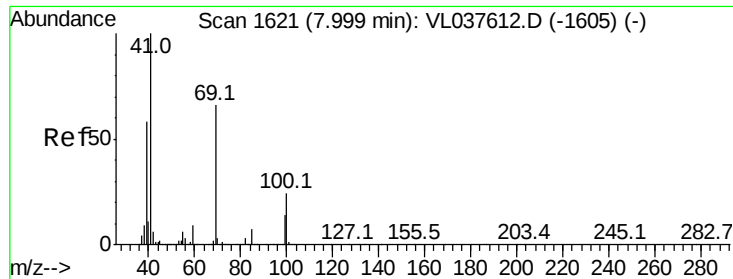
MMDadoda
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#42
Bromodichloromethane
Concen: 10.852 ppbv
RT: 7.77 min Scan# 1549
Delta R.T. -0.01 min
Lab File: VL037638.D
Acq: 17 Sep 2021 12:08

Tgt Ion	Ratio	Lower	Upper
83	100		
85	61.1	49.8	74.6
127	8.1	6.4	9.6





#43

Methvl Methacrylate

Concen: 11.340 ppbv

RT: 7.99 min Scan# 1619

Delta R.T. -0.01 min

Lab File: VL037638.D

Acq: 17 Sep 2021 12:08

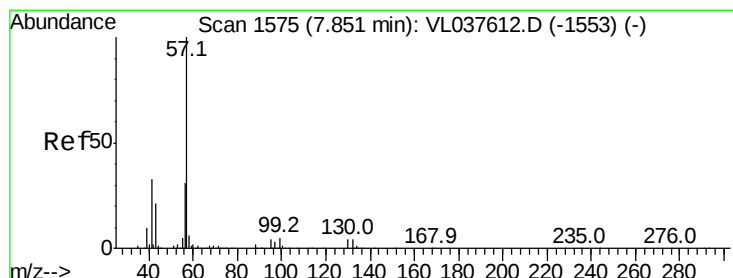
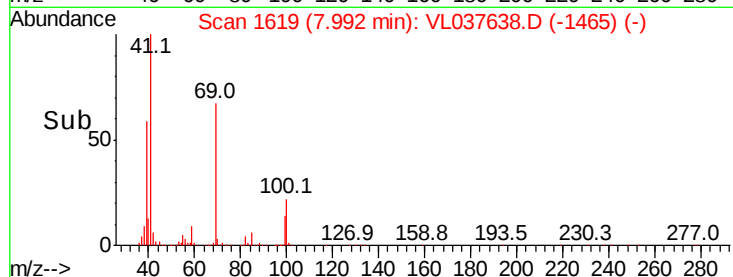
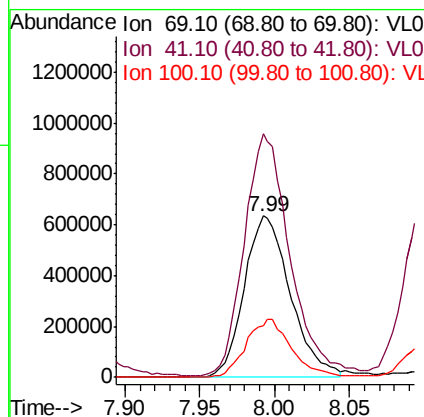
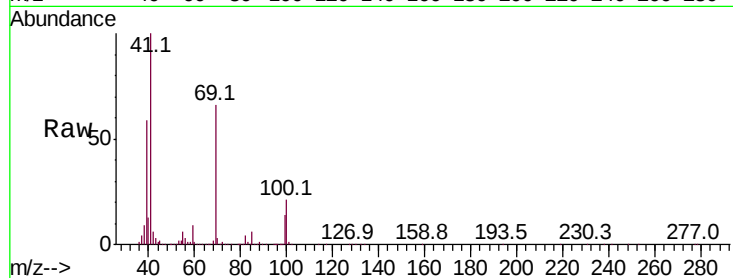
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 69 Resp: 1359010

Ion	Ratio	Lower	Upper
69	100		
41	151.8	119.0	178.4
100	35.6	27.6	41.4

Manual Integrations
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#44

2,2,4-Trimethylpentane

Concen: 10.462 ppbv

RT: 7.85 min Scan# 1574

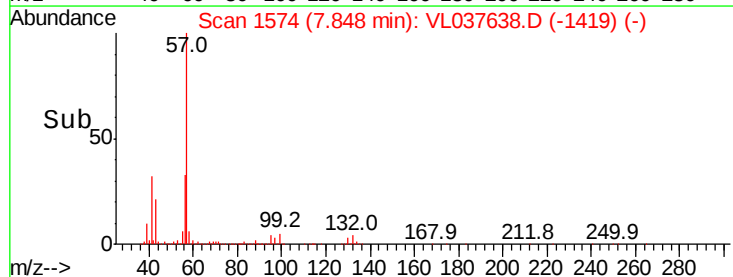
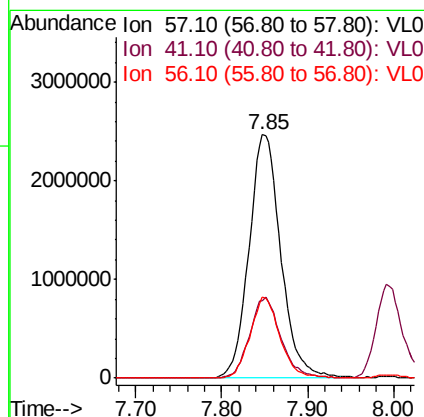
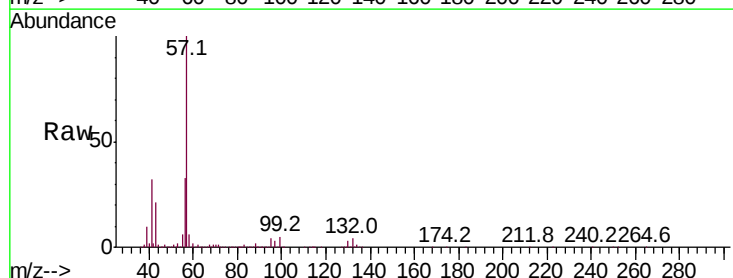
Delta R.T. -0.00 min

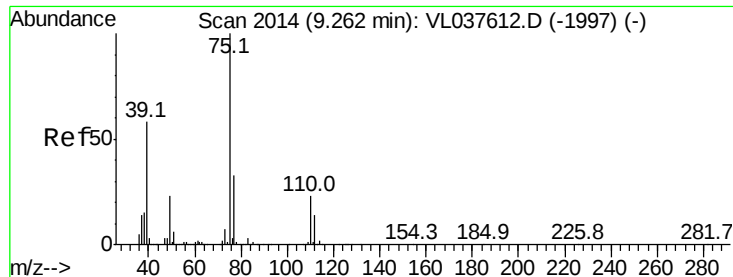
Lab File: VL037638.D

Acq: 17 Sep 2021 12:08

Tgt Ion: 57 Resp: 6335524

Ion	Ratio	Lower	Upper
57	100		
41	32.5	26.1	39.1
56	31.5	25.7	38.5





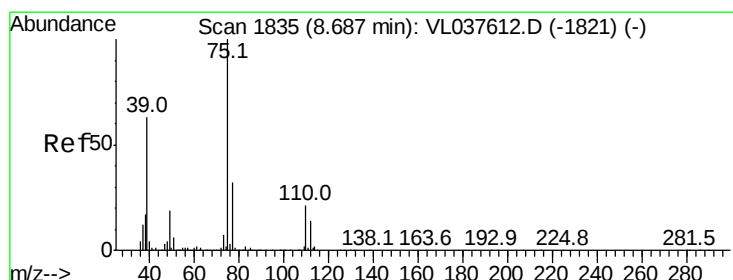
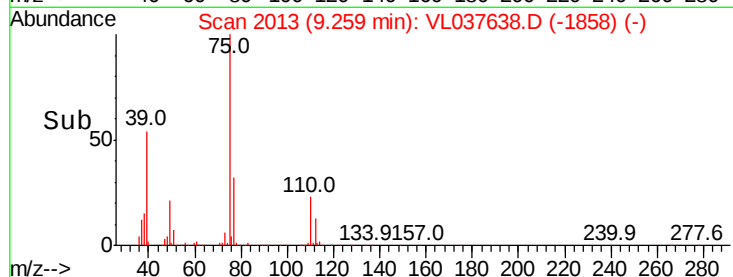
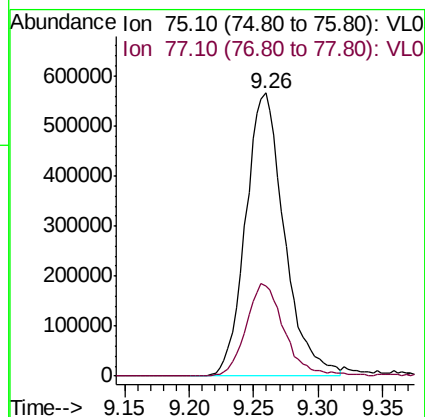
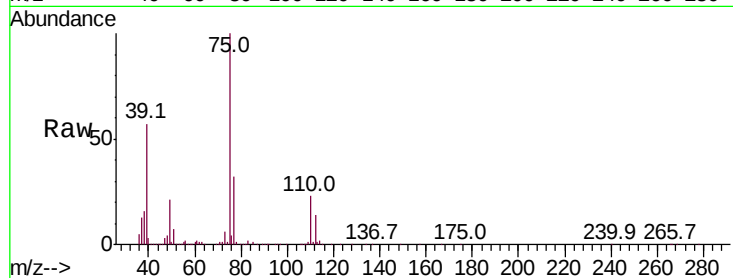
#45
t-1,3-Dichloropropene
Concen: 12.570 ppbv
RT: 9.26 min Scan# 2013
Delta R.T. -0.00 min
Lab File: VL037638.D
Acq: 17 Sep 2021 12:08

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 75 Resp: 1183269
Ion Ratio Lower Upper
75 100
77 31.9 26.3 39.5

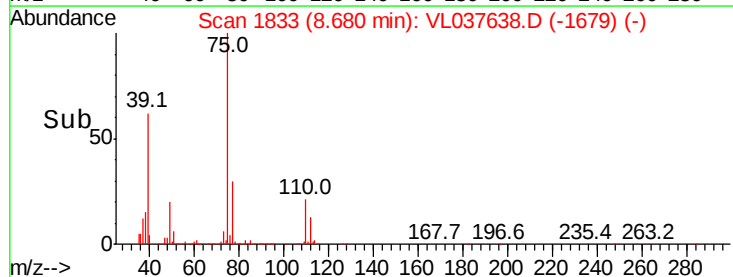
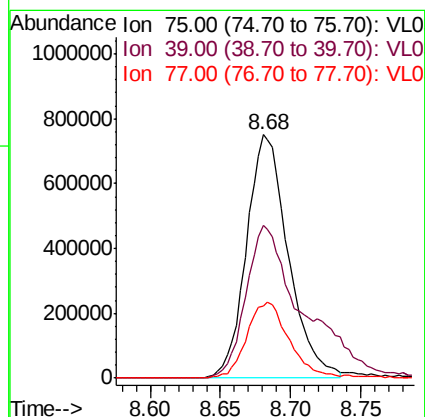
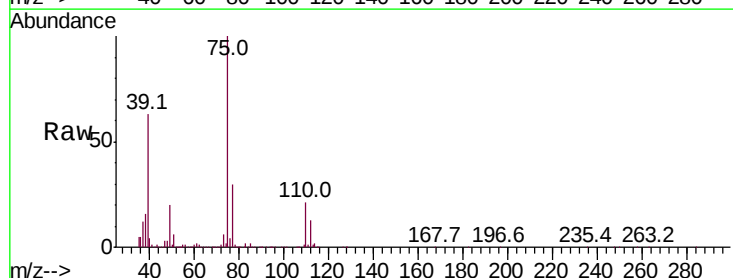
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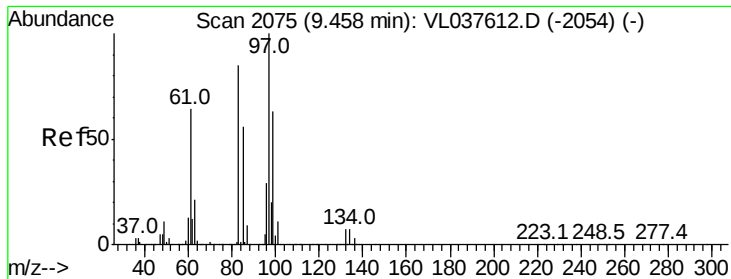
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#46
cis-1,3-Dichloropropene
Concen: 12.198 ppbv
RT: 8.68 min Scan# 1833
Delta R.T. -0.01 min
Lab File: VL037638.D
Acq: 17 Sep 2021 12:08

Tgt Ion: 75 Resp: 1551079
Ion Ratio Lower Upper
75 100
39 62.6 50.2 75.4
77 29.8 25.2 37.8





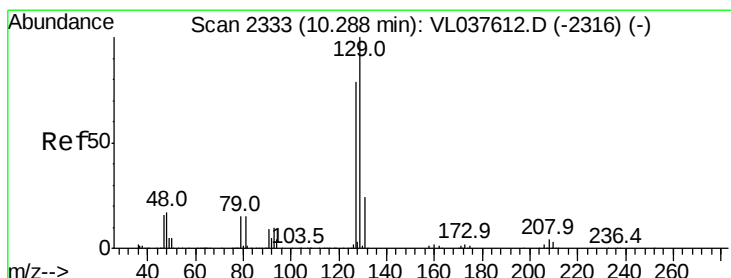
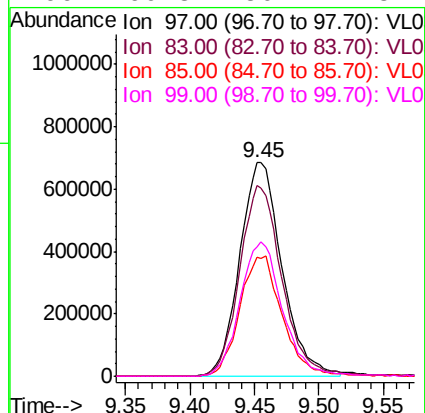
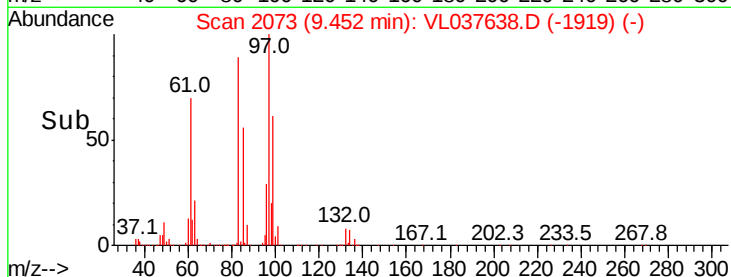
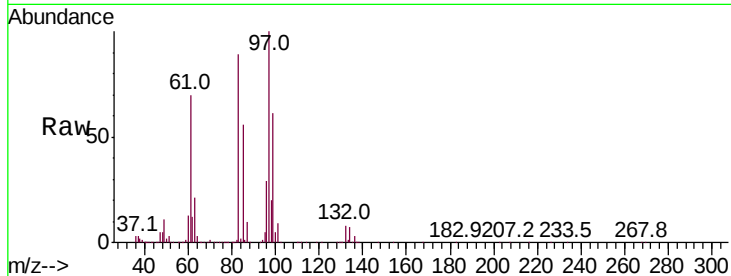
#47
 1,1,2-Trichloroethane
 Concen: 10.239 ppbv
 RT: 9.45 min Scan# 2073
 Delta R.T. -0.01 min
 Lab File: VL037638.D
 Acq: 17 Sep 2021 12:08

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion	97	Resp	1562676
Ion	Ratio	Lower	Upper
97	100		
83	89.3	67.9	101.9
85	55.6	44.8	67.2
99	60.8	50.1	75.1

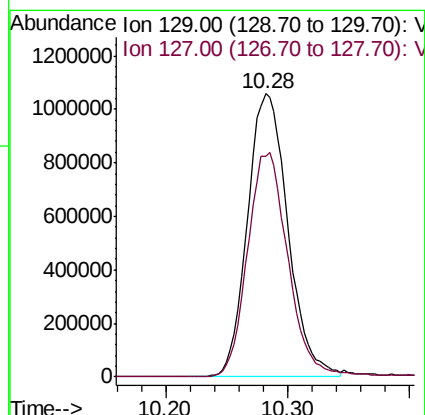
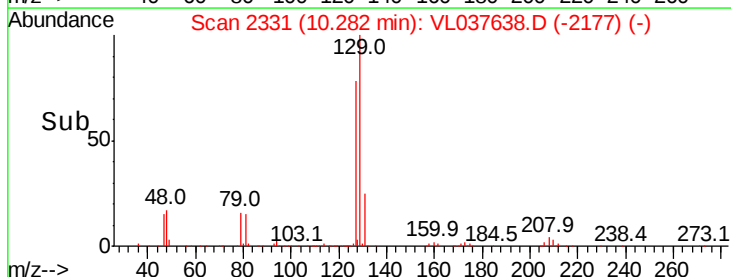
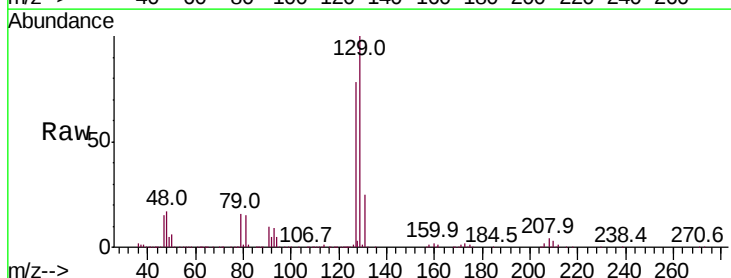
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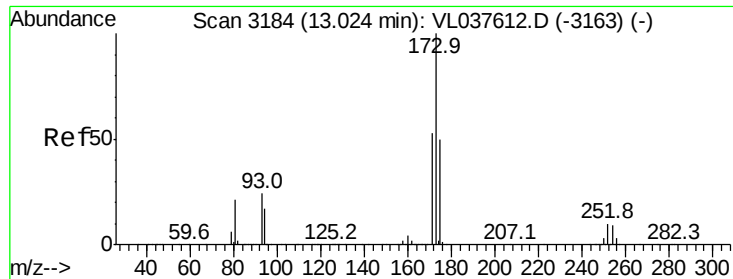
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#48
 Dibromochloromethane
 Concen: 11.383 ppbv
 RT: 10.28 min Scan# 2331
 Delta R.T. -0.01 min
 Lab File: VL037638.D
 Acq: 17 Sep 2021 12:08

Tgt Ion	129	Resp	2423720
Ion	Ratio	Lower	Upper
129	100		
127	80.4	39.3	117.8





#49

Bromoform

Concen: 11.771 ppbv

RT: 13.02 min Scan# 3183

Delta R.T. -0.00 min

Lab File: VL037638.D

Acq: 17 Sep 2021 12:08

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion:173 Resp: 2005930

Ion Ratio Lower Upper

173 100

175 51.2 39.8 59.8

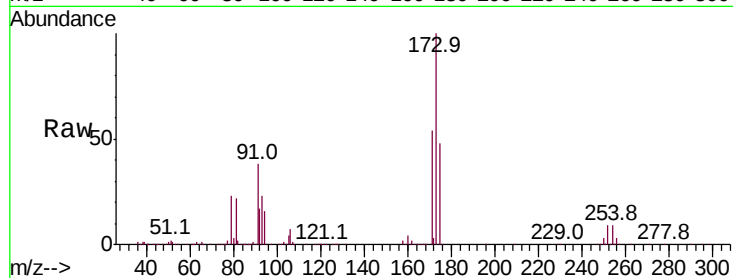
171 55.3 42.2 63.4

Manual Integrations

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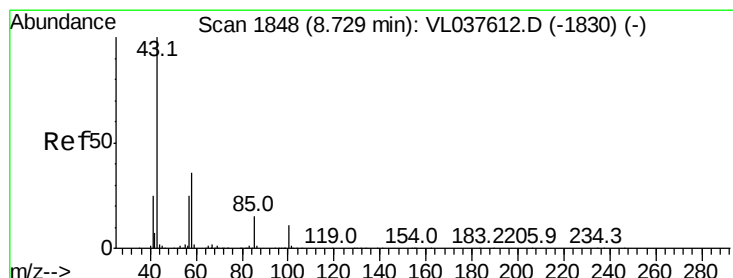
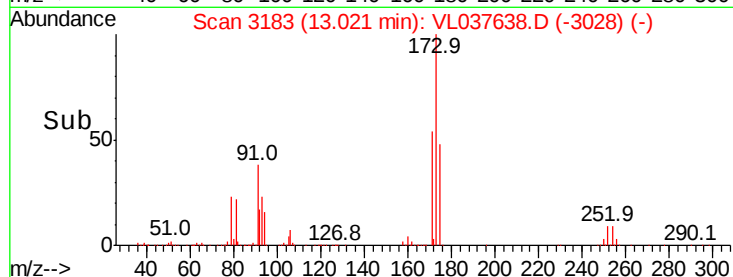
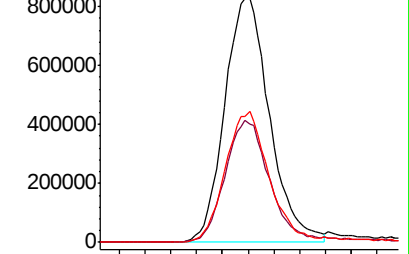
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Abundance Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 170.90 (170.60 to 171.60): V



#50

4-Methyl-2-Pentanone

Concen: 10.973 ppbv

RT: 8.72 min Scan# 1845

Delta R.T. -0.01 min

Lab File: VL037638.D

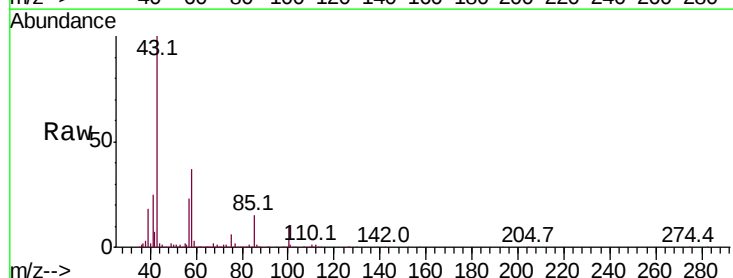
Acq: 17 Sep 2021 12:08

Tgt Ion: 43 Resp: 2445183

Ion Ratio Lower Upper

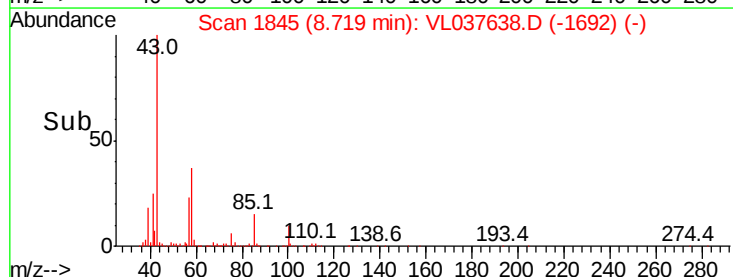
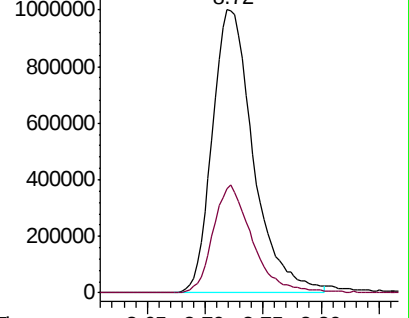
43 100

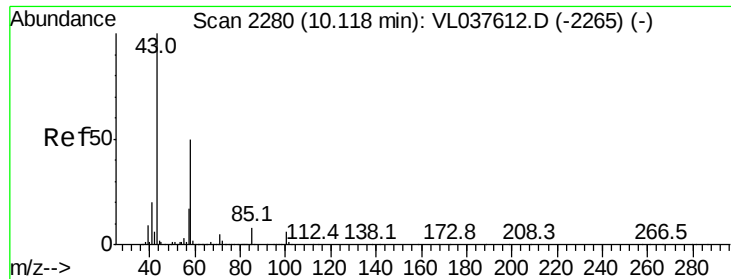
58 36.7 29.4 44.2



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0





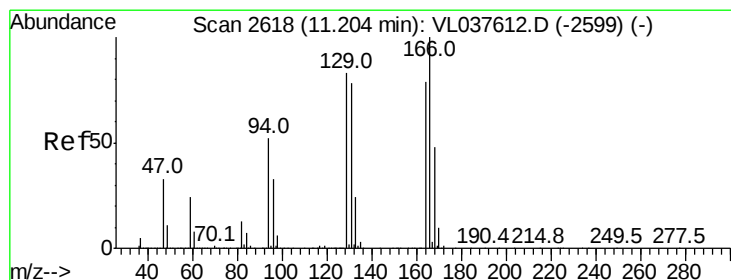
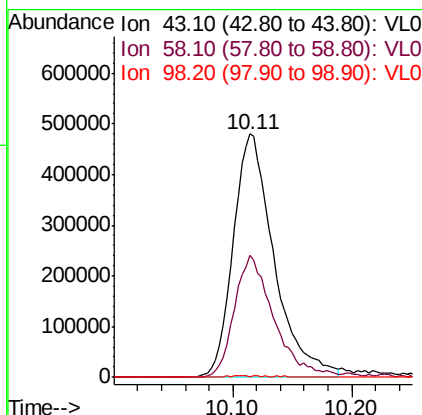
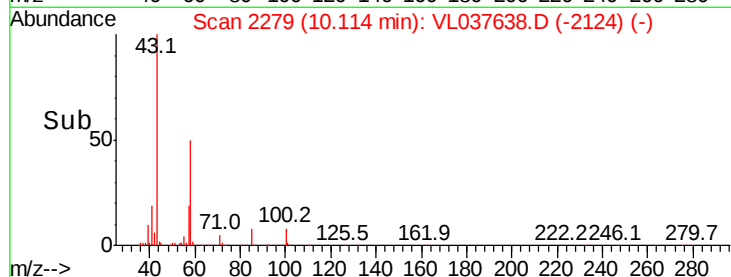
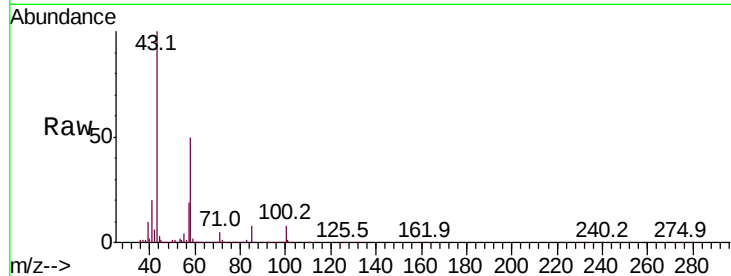
#51
2-Hexanone
Concen: 11.587 ppbv
RT: 10.11 min Scan# 2279
Delta R.T. -0.00 min
Lab File: VL037638.D
Acq: 17 Sep 2021 12:08

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 43 Resp: 1139153
Ion Ratio Lower Upper
43 100
58 49.1 39.3 58.9
98 0.6 0.4 0.6#

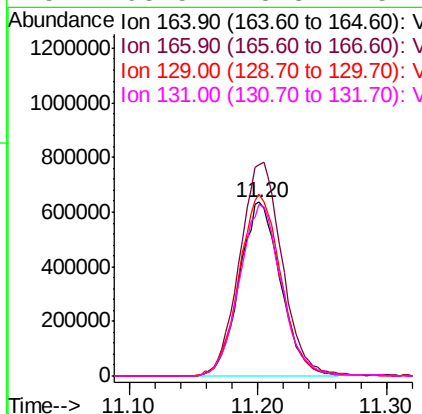
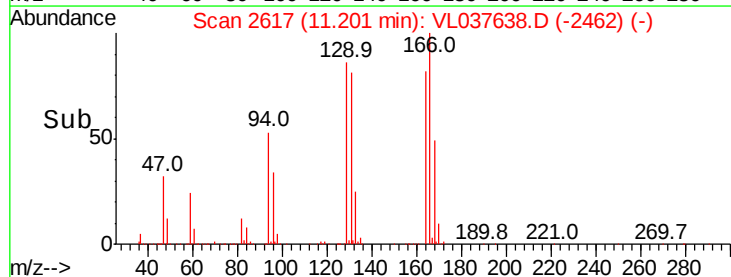
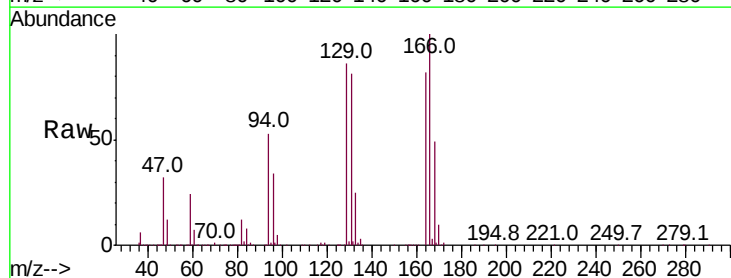
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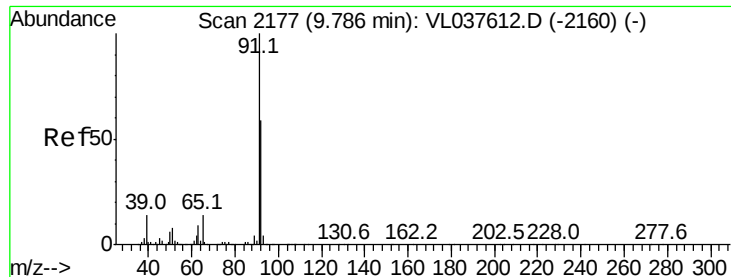
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#52
Tetrachloroethene
Concen: 10.246 ppbv
RT: 11.20 min Scan# 2617
Delta R.T. -0.00 min
Lab File: VL037638.D
Acq: 17 Sep 2021 12:08

Tgt Ion: 164 Resp: 1416929
Ion Ratio Lower Upper
164 100
166 121.4 101.2 151.8
129 104.1 84.0 126.0
131 98.5 78.8 118.2





#53

Toluene

Concen: 11.113 ppbv

RT: 9.79 min Scan# 2177

Delta R.T. 0.00 min

Lab File: VL037638.D

Acq: 17 Sep 2021 12:08

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 91 Resp: 4449907

Ion Ratio Lower Upper

91 100

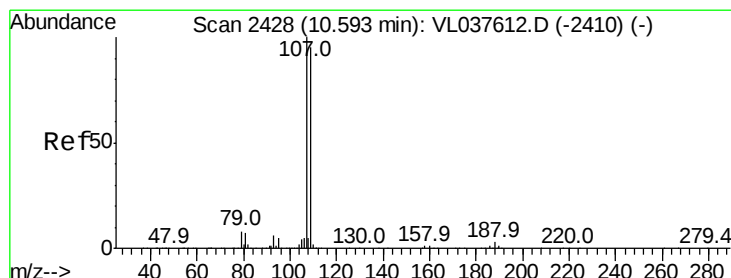
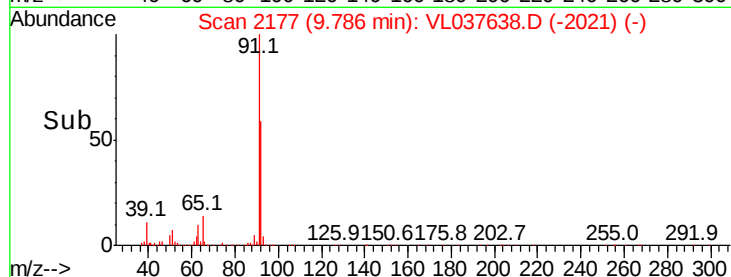
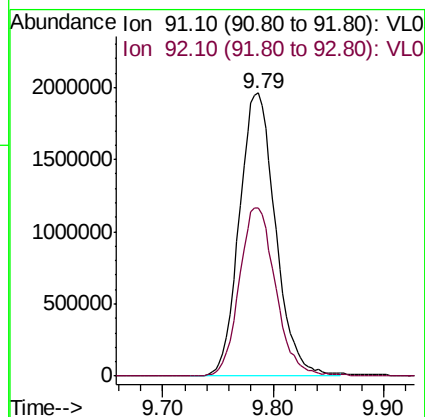
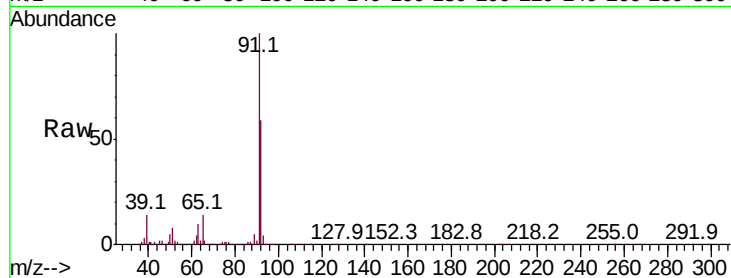
92 60.1 48.9 73.3

Manual Integrations

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#54

1,2-Dibromoethane

Concen: 10.661 ppbv

RT: 10.59 min Scan# 2427

Delta R.T. -0.00 min

Lab File: VL037638.D

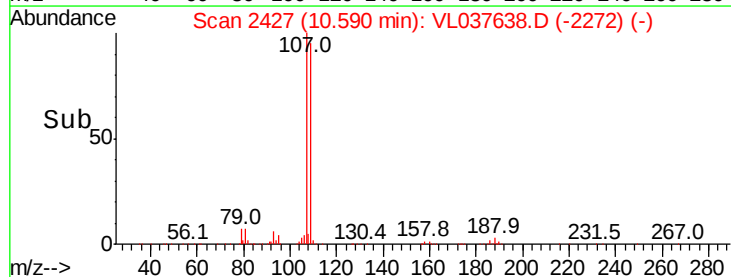
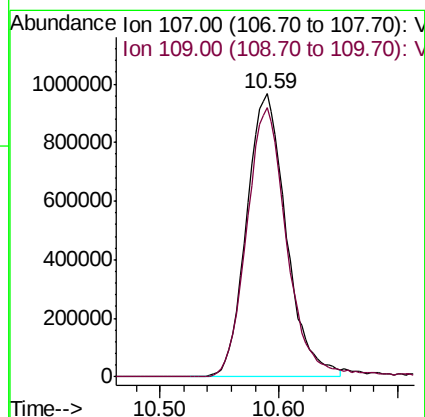
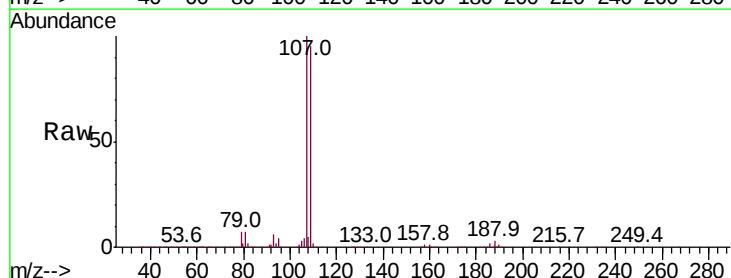
Acq: 17 Sep 2021 12:08

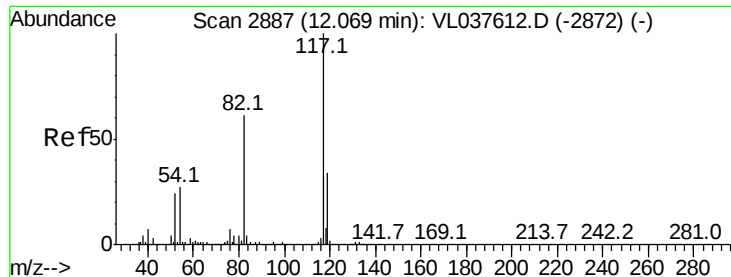
Tgt Ion: 107 Resp: 2227941

Ion Ratio Lower Upper

107 100

109 95.1 76.0 114.0





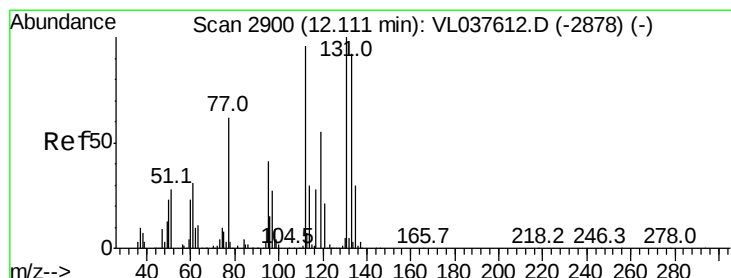
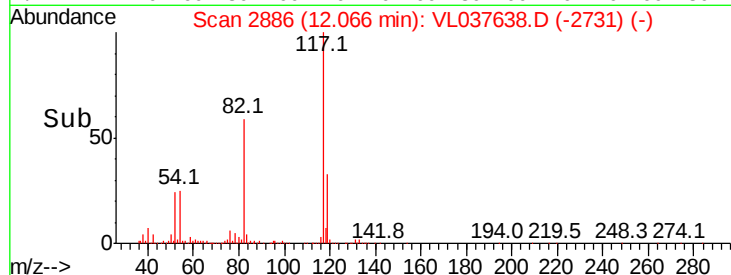
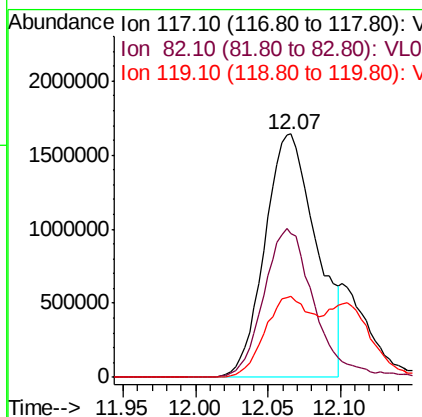
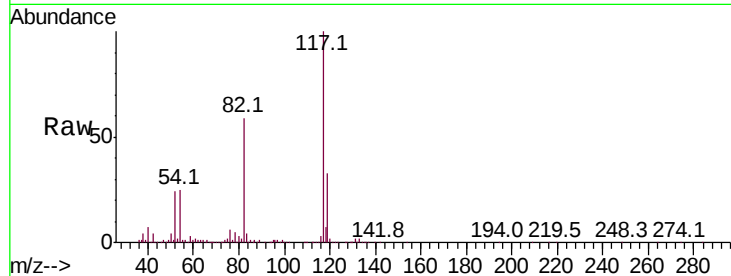
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.07 min Scan# 2886
Delta R.T. -0.00 min
Lab File: VL037638.D
Acq: 17 Sep 2021 12:08

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
117	100		
82	60.5	50.6	75.8
119	30.8	26.2	39.2

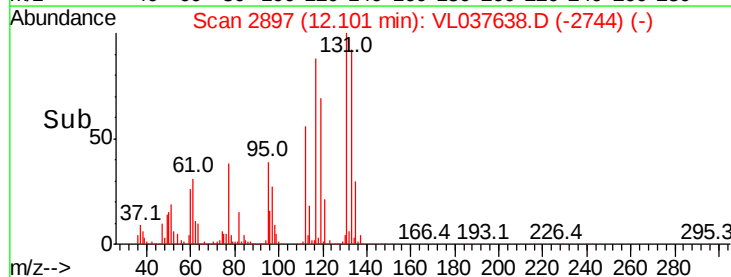
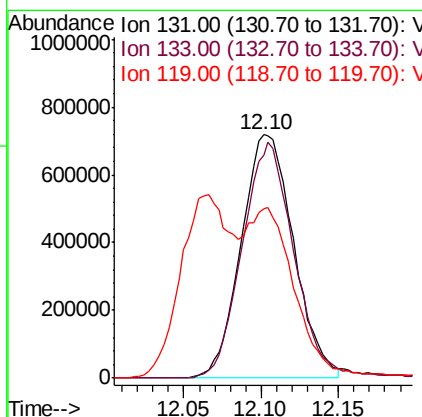
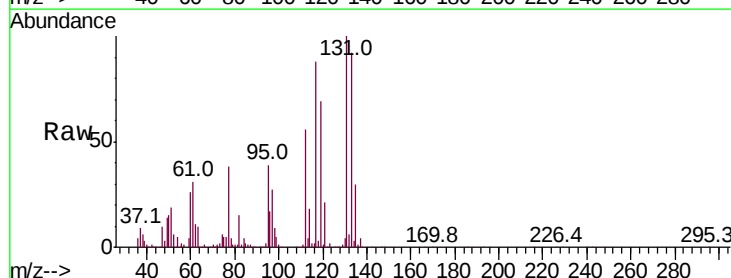
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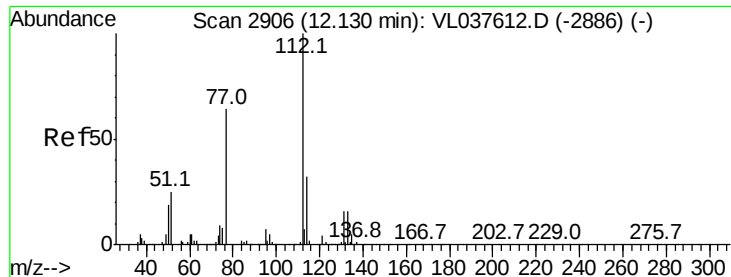
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#56
1,1,1,2-Tetrachloroethane
Concen: 9.969 ppbv
RT: 12.10 min Scan# 2897
Delta R.T. -0.01 min
Lab File: VL037638.D
Acq: 17 Sep 2021 12:08

Tgt Ion	Ratio	Lower	Upper
131	100		
133	98.4	76.8	115.2
119	70.8	47.8	71.8





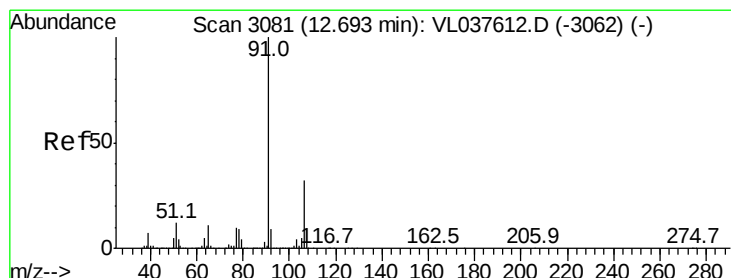
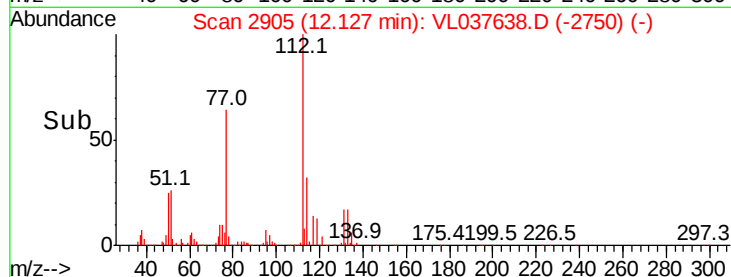
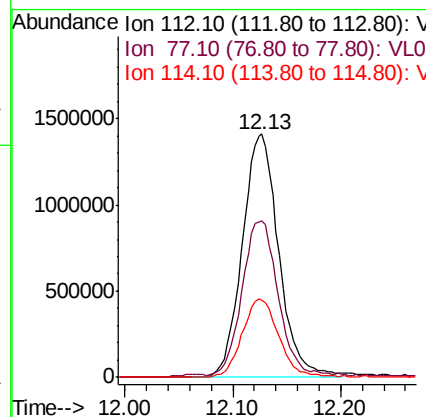
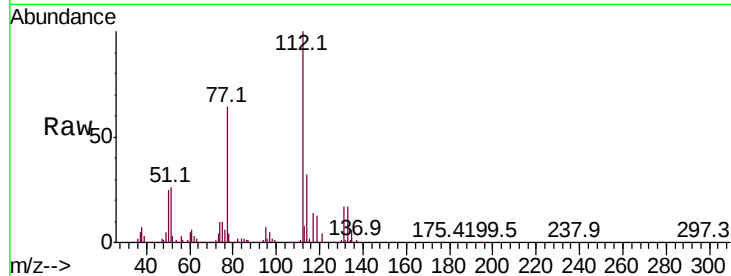
#57
Chlorobenzene
Concen: 9.765 ppbv
RT: 12.13 min Scan# 2905
Delta R.T. -0.00 min
Lab File: VL037638.D
Acq: 17 Sep 2021 12:08

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
112	100		
77	63.0	52.1	78.1
114	31.7	29.2	35.6

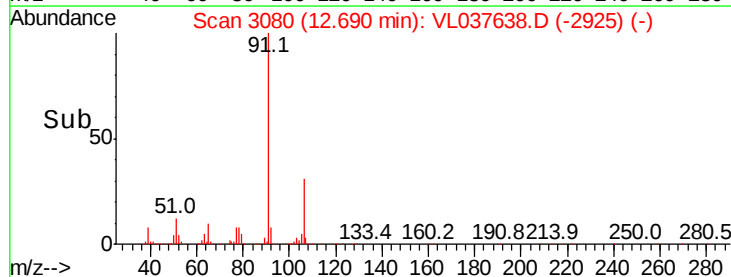
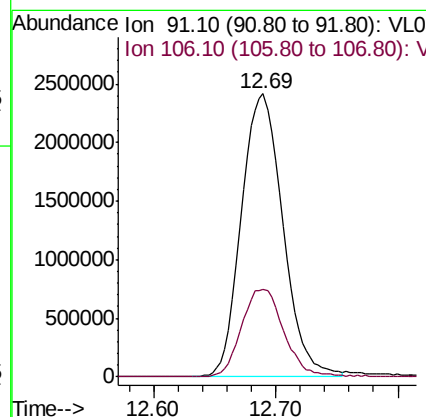
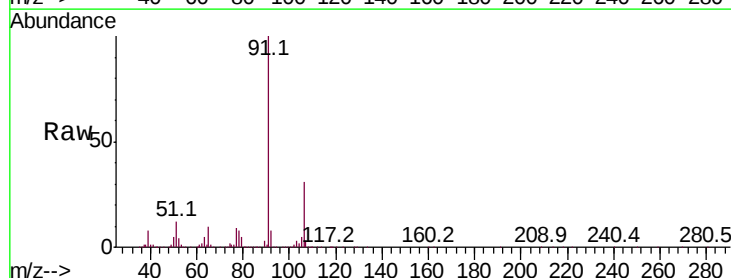
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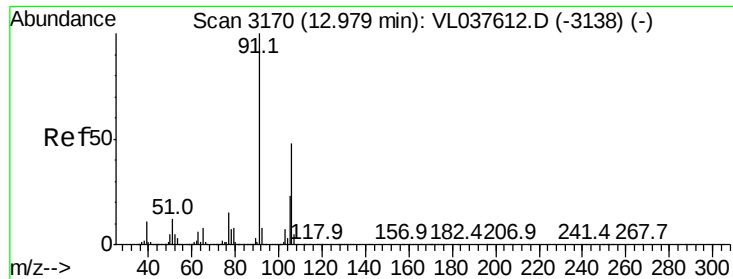
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#58
Ethyl Benzene
Concen: 10.532 ppbv
RT: 12.69 min Scan# 3080
Delta R.T. -0.00 min
Lab File: VL037638.D
Acq: 17 Sep 2021 12:08

Tgt Ion	Ratio	Lower	Upper
91	100		
106	30.8	25.3	37.9





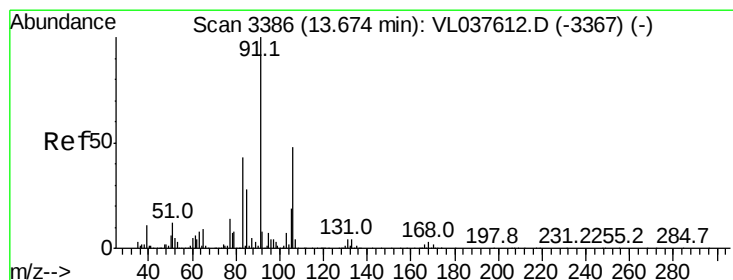
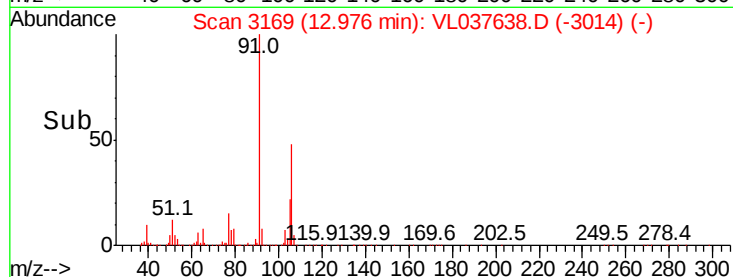
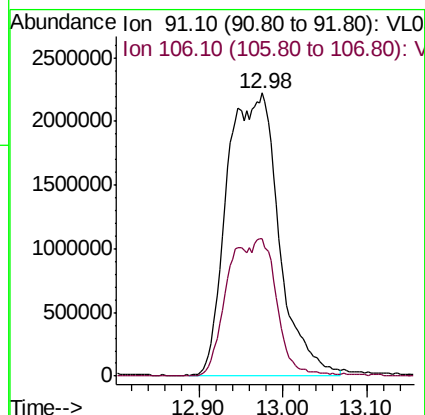
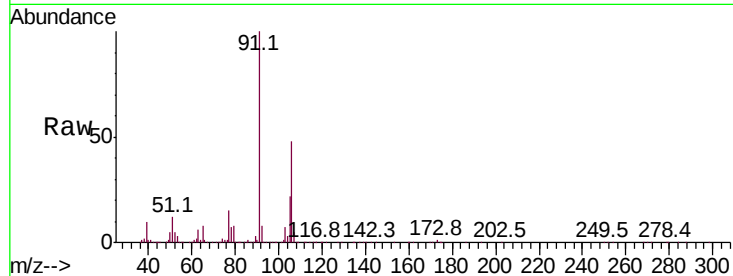
#59
m/p-Xylene
Concen: 20.229 ppbv m
RT: 12.98 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VL037638.D
Acq: 17 Sep 2021 12:08

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 91 Resp: 9536020
Ion Ratio Lower Upper
91 100
106 46.4 36.6 55.0

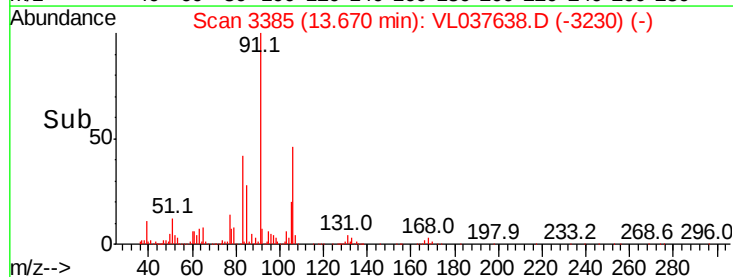
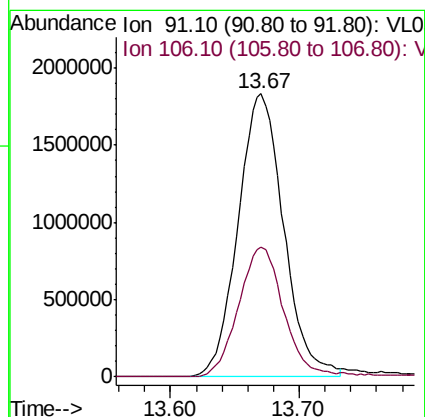
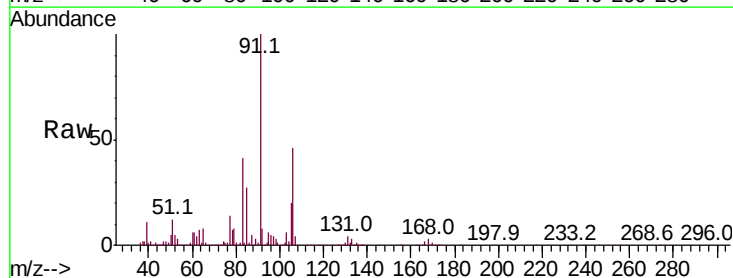
Manual Integrations
APPROVED

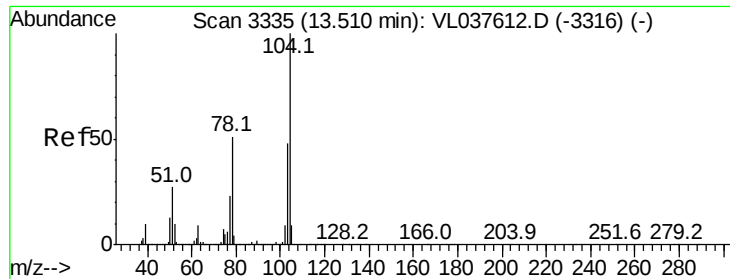
MMDadoda
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#60
o-Xylene
Concen: 9.975 ppbv
RT: 13.67 min Scan# 3385
Delta R.T. -0.00 min
Lab File: VL037638.D
Acq: 17 Sep 2021 12:08

Tgt Ion: 91 Resp: 4475310
Ion Ratio Lower Upper
91 100
106 46.9 23.0 69.0





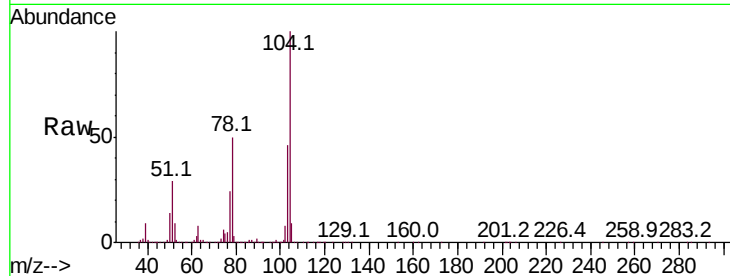
#61
Stvrene
Concen: 11.679 ppbv
RT: 13.50 min Scan# 3333
Delta R.T. -0.01 min
Lab File: VL037638.D
Acq: 17 Sep 2021 12:08

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

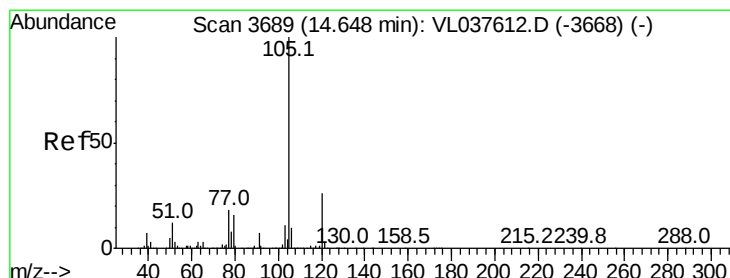
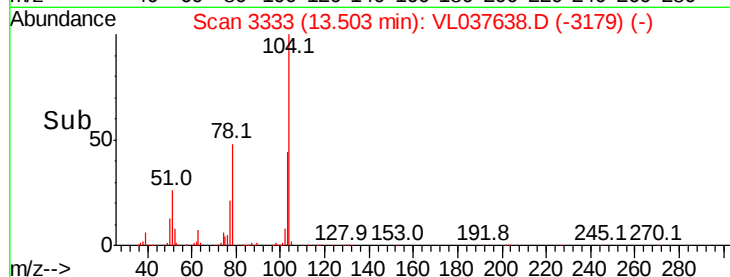
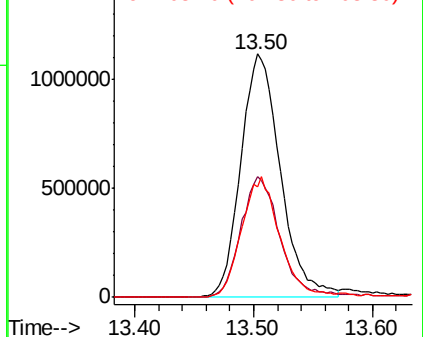
Tot Ion	Ratio	Lower	Upper
104	100		
78	49.8	39.7	59.5
103	49.0	38.8	58.2

Manual Integrations
APPROVED

MMDadoda
9/20/2021 5:28:27 PM

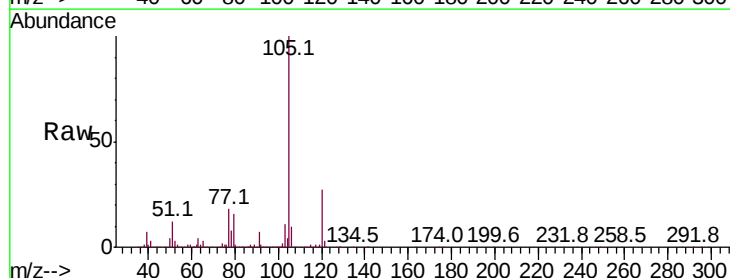


Abundance Ion 104.10 (103.80 to 104.80): V
1500000
Ion 78.10 (77.80 to 78.80): VL0
Ion 103.10 (102.80 to 103.80): V

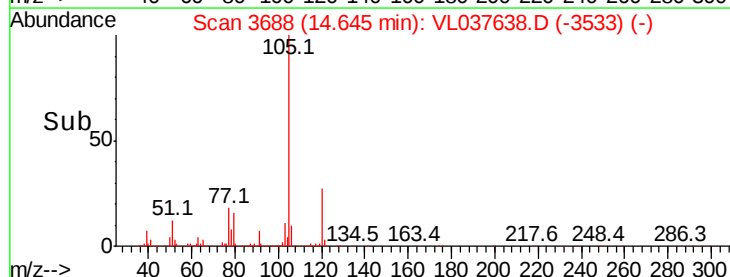
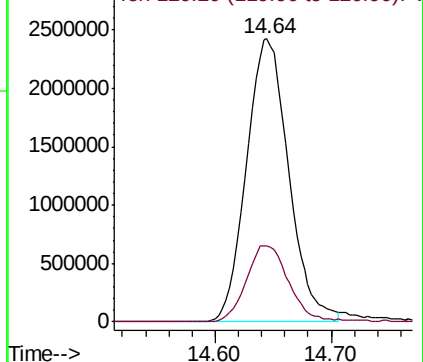


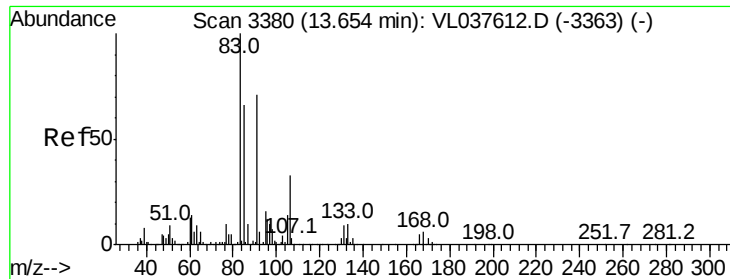
#62
Isopropylbenzene
Concen: 9.811 ppbv
RT: 14.64 min Scan# 3688
Delta R.T. -0.00 min
Lab File: VL037638.D
Acq: 17 Sep 2021 12:08

Tgt Ion	Ratio	Lower	Upper
105	100		
120	27.6	21.4	32.0



Abundance Ion 105.10 (104.80 to 105.80): V
2500000
Ion 120.20 (119.90 to 120.90): V





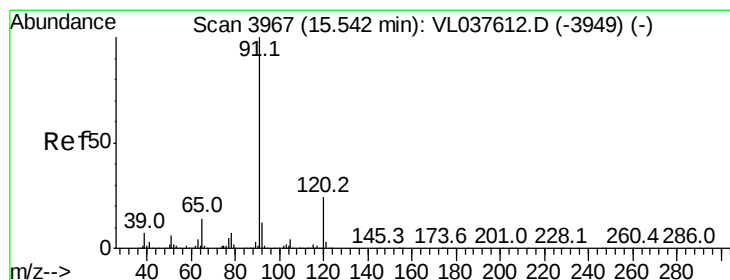
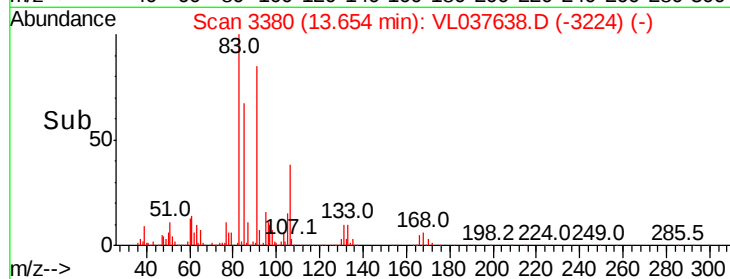
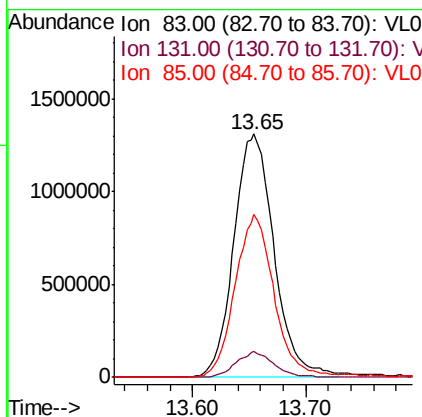
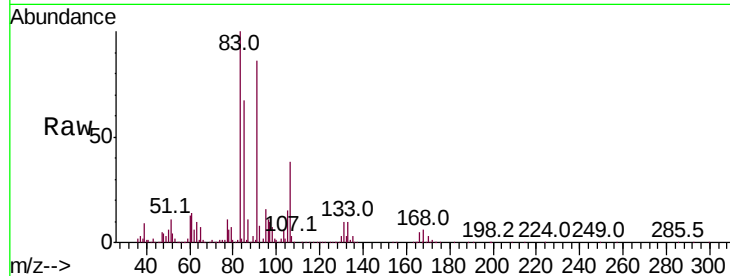
#63
 1,1,2,2-Tetrachloroethane
 Concen: 9.189 ppbv
 RT: 13.65 min Scan# 3380
 Delta R.T. 0.00 min
 Lab File: VL037638.D
 Acq: 17 Sep 2021 12:08

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion	Ratio	Lower	Upper
83	100		
131	10.2	5.1	15.3
85	66.7	33.3	99.9

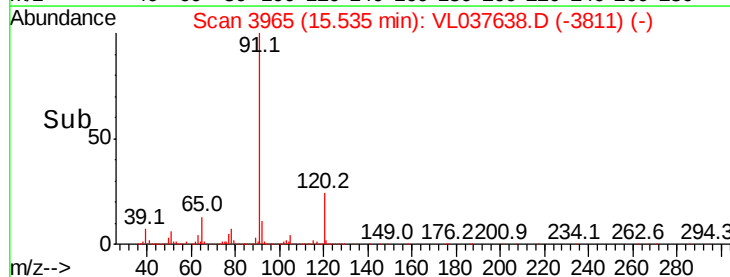
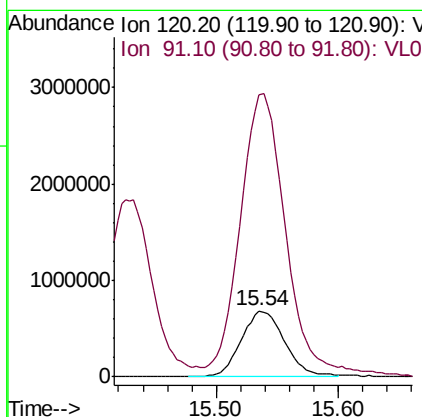
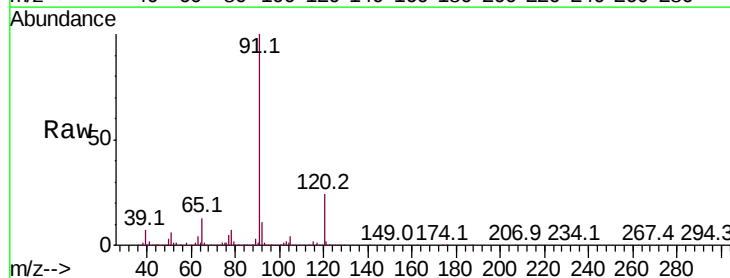
Manual Integrations
 APPROVED

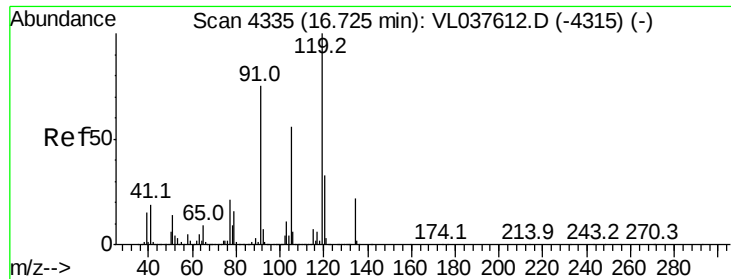
MMDadoda
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#64
 n-propylbenzene
 Concen: 10.402 ppbv
 RT: 15.54 min Scan# 3965
 Delta R.T. -0.01 min
 Lab File: VL037638.D
 Acq: 17 Sep 2021 12:08

Tgt Ion	Ratio	Lower	Upper
120	100		
91	457.2	345.0	517.4





#65

tert-Butylbenzene

Concen: 9.706 ppbv

RT: 16.72 min Scan# 4335

Delta R.T. -0.01 min

Lab File: VL037638.D

Acq: 17 Sep 2021 12:08

Instrument :

MSVOA_L

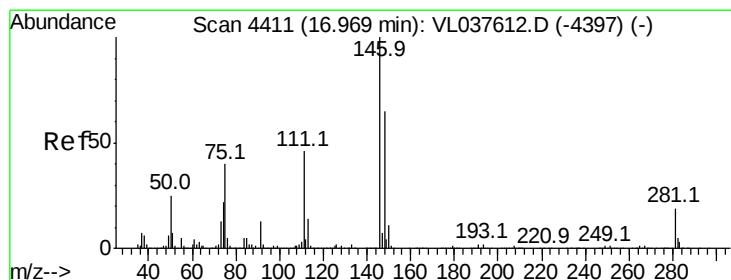
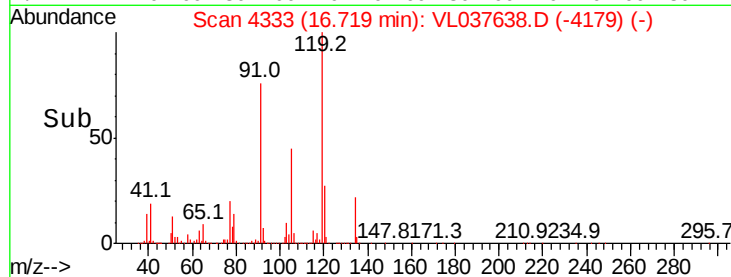
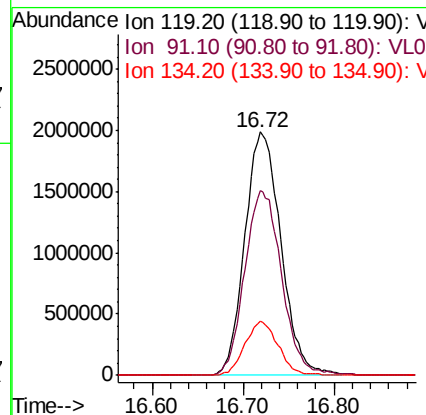
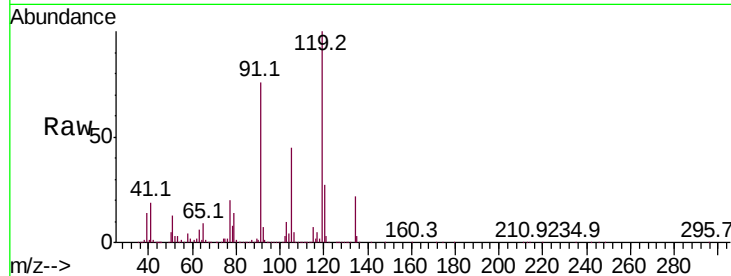
ClientSampleId :

VSTDCCC010

Tot Ion:	119	Resp:	5484920
Ion	Ratio	Lower	Upper
119	100		
91	77.4	61.9	92.9
134	20.5	16.5	24.7

Manual Integrations
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#66

Benzyl Chloride

Concen: 11.773 ppbv

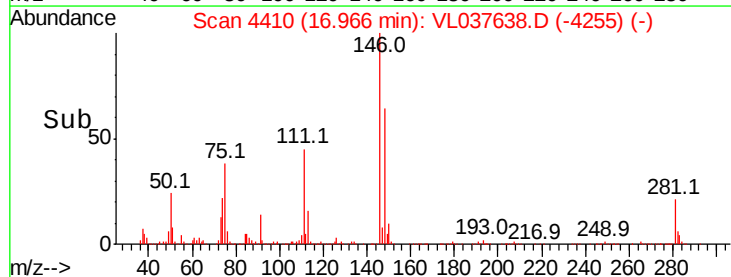
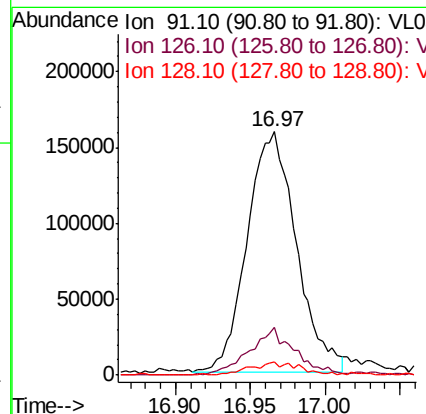
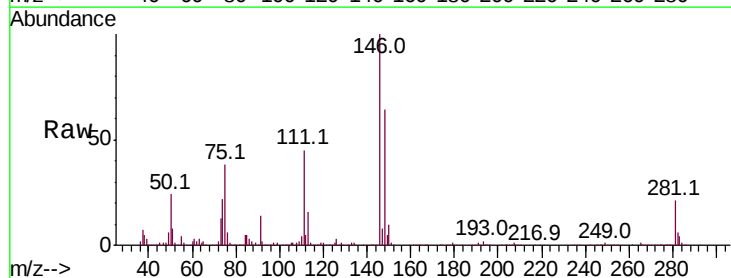
RT: 16.97 min Scan# 4410

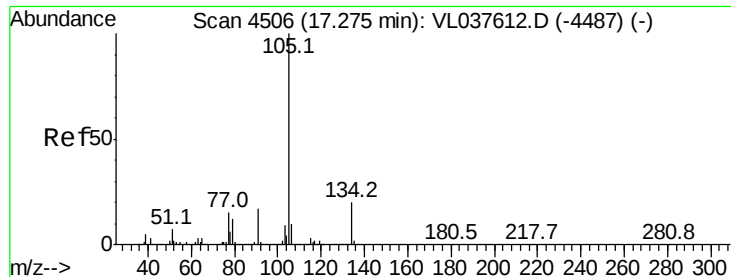
Delta R.T. -0.00 min

Lab File: VL037638.D

Acq: 17 Sep 2021 12:08

Tgt Ion:	91	Resp:	363597
Ion	Ratio	Lower	Upper
91	100		
126	18.8	14.4	21.6
128	5.9	5.7	8.5





#67

sec-Butylbenzene

Concen: 9.924 ppbv

RT: 17.27 min Scan# 4504

Delta R.T. -0.01 min

Lab File: VL037638.D

Acq: 17 Sep 2021 12:08

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion:105 Resp: 7609232

Ion Ratio Lower Upper

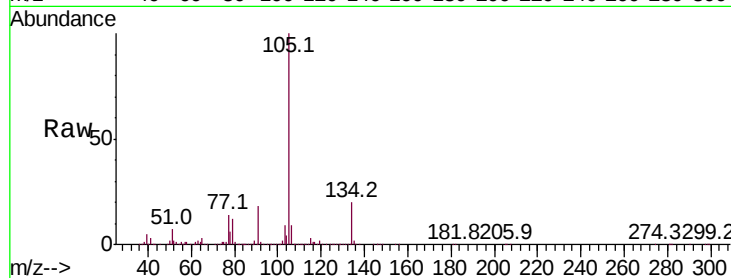
105 100

134 19.1 15.7 23.5

Manual Integrations
APPROVED

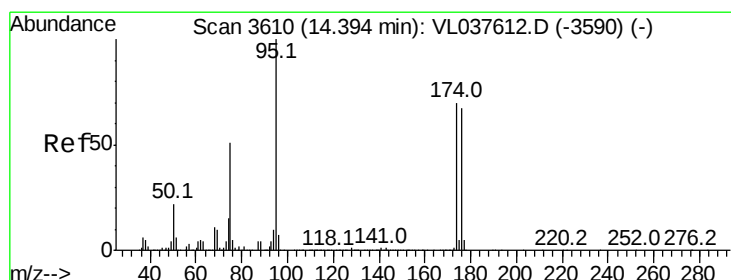
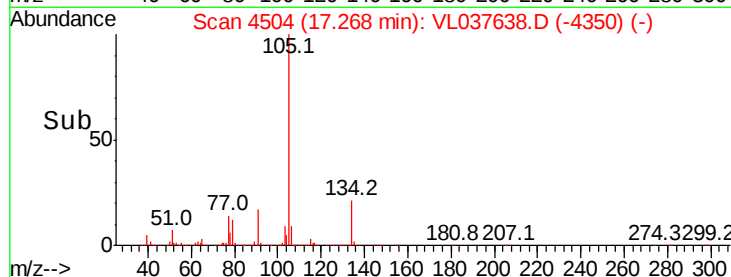
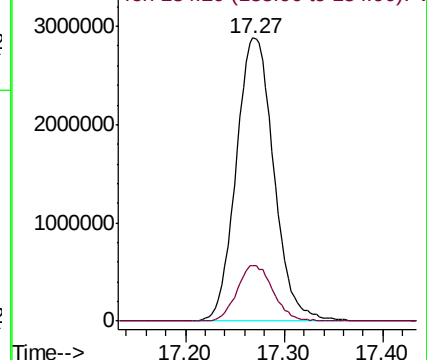
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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V



#68

1-Bromo-4-Fluorobenzene

Concen: 9.866 ppbv

RT: 14.39 min Scan# 3609

Delta R.T. -0.00 min

Lab File: VL037638.D

Acq: 17 Sep 2021 12:08

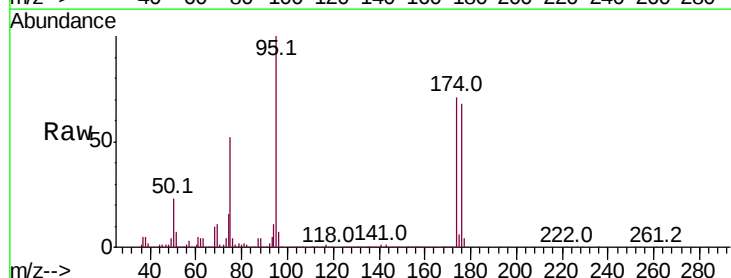
Tgt Ion: 95 Resp: 2905532

Ion Ratio Lower Upper

95 100

174 72.8 56.3 84.5

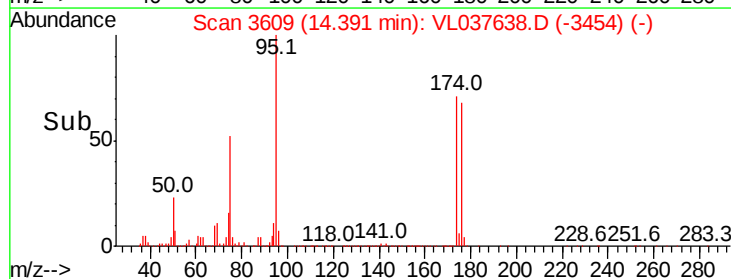
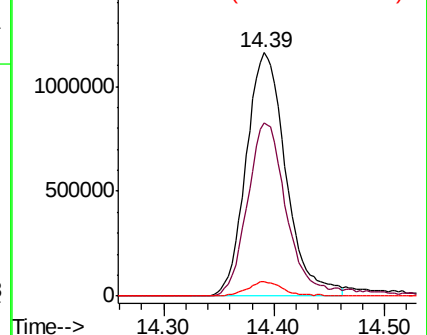
175 5.5 4.4 6.6

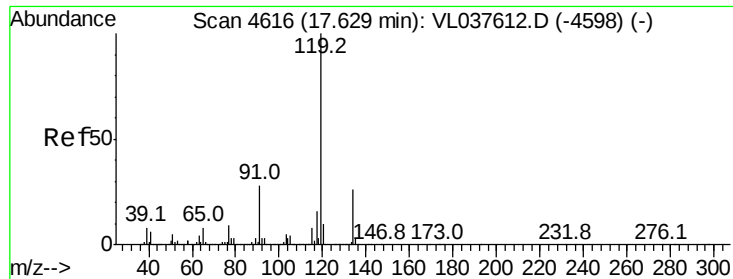


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V





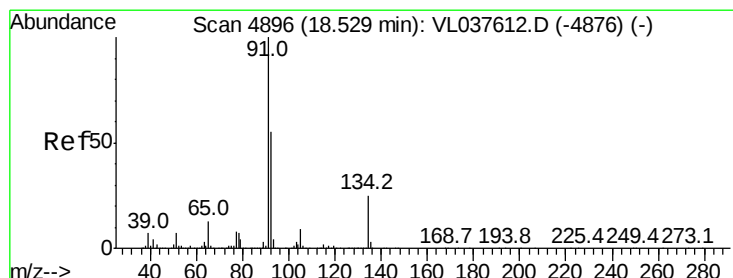
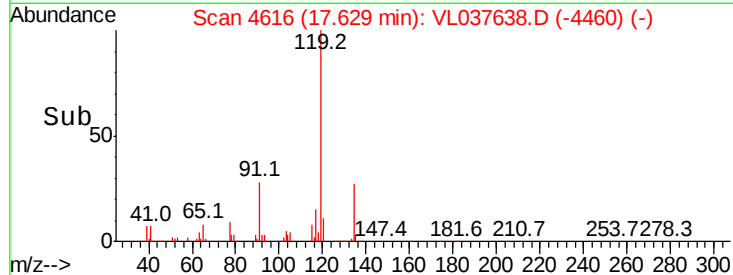
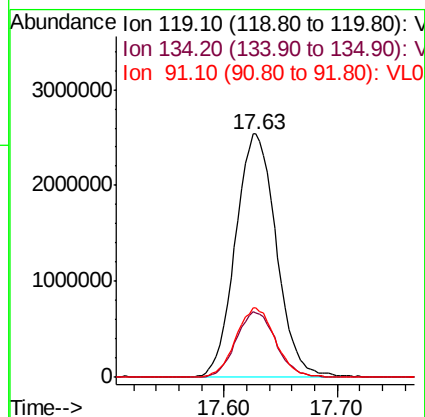
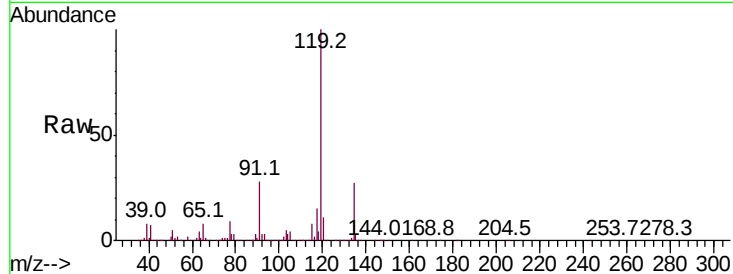
#69
p-Isopropyltoluene
Concen: 10.162 ppbv
RT: 17.63 min Scan# 4616
Delta R.T. 0.00 min
Lab File: VL037638.D
Acq: 17 Sep 2021 12:08

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
119	100		
134	26.5	21.2	31.8
91	27.7	22.2	33.2

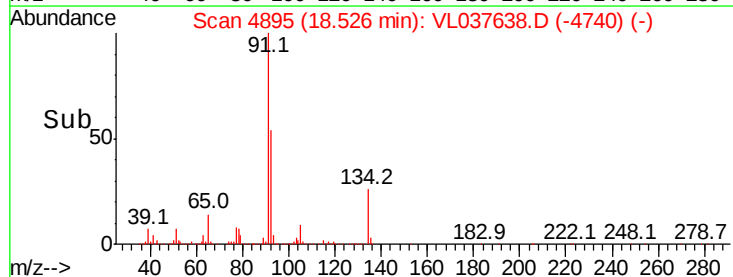
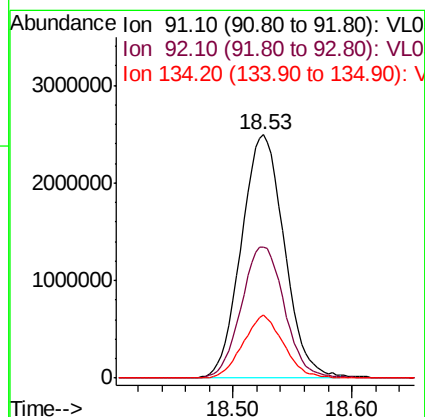
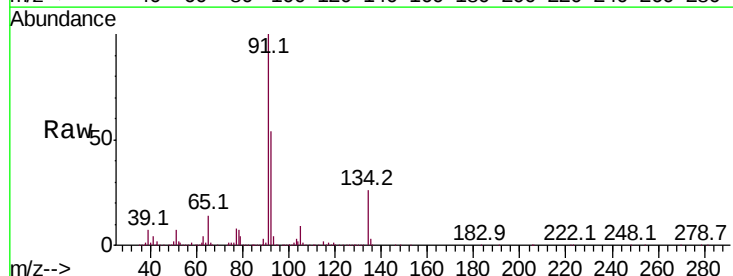
Manual Integrations
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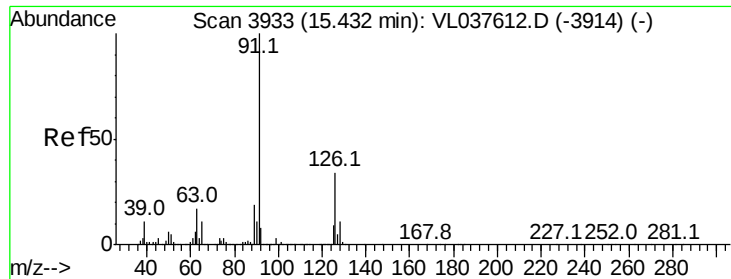
MMDadoda
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#70
n-Butylbenzene
Concen: 10.508 ppbv
RT: 18.53 min Scan# 4895
Delta R.T. -0.00 min
Lab File: VL037638.D
Acq: 17 Sep 2021 12:08

Tgt Ion	Ratio	Lower	Upper
91	100		
92	54.6	44.0	66.0
134	24.5	19.5	29.3





#71

2-Chlorotoluene

Concen: 10.237 ppbv

RT: 15.43 min Scan# 3931

Delta R.T. -0.01 min

Lab File: VL037638.D

Acq: 17 Sep 2021 12:08

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 91 Resp: 4598245

Ion Ratio Lower Upper

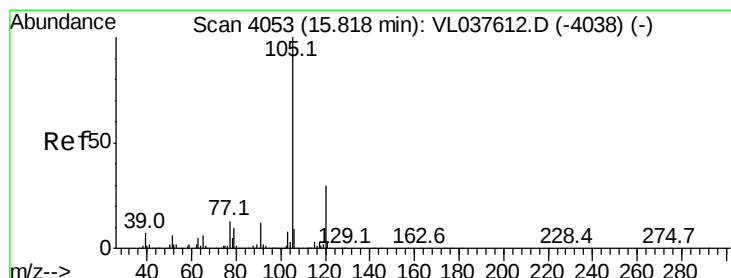
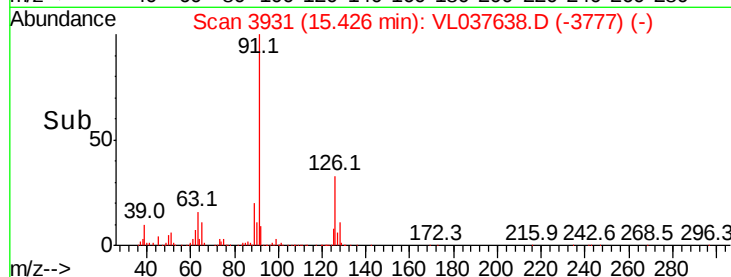
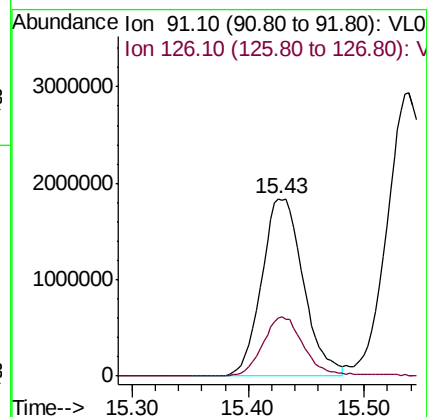
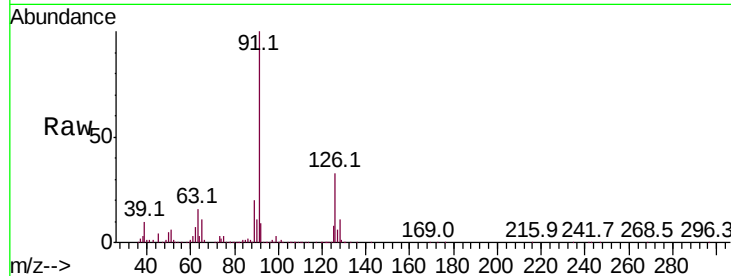
91 100

126 33.9 13.2 52.8

Manual Integrations
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#72

4-Ethyltoluene

Concen: 10.210 ppbv

RT: 15.81 min Scan# 4051

Delta R.T. -0.01 min

Lab File: VL037638.D

Acq: 17 Sep 2021 12:08

Tgt Ion:105 Resp: 5258664

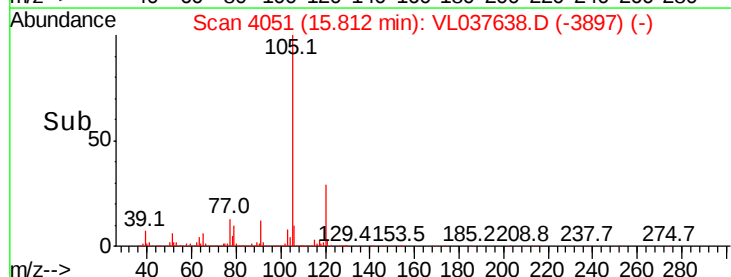
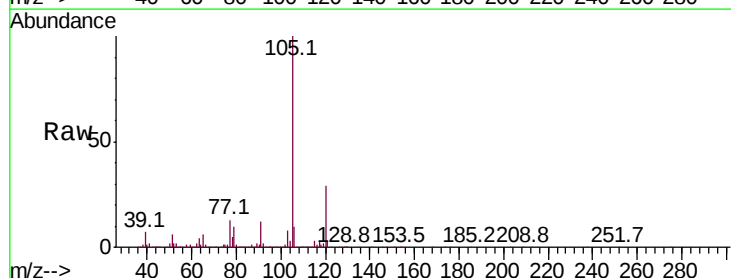
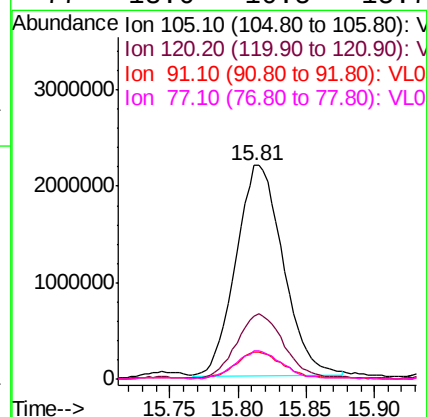
Ion Ratio Lower Upper

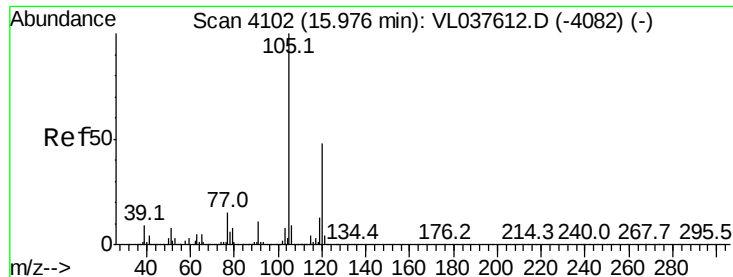
105 100

120 31.6 24.7 37.1

91 12.9 9.9 14.9

77 13.6 10.5 15.7





#73

1,3,5-Trimethylbenzene

Concen: 10.036 ppbv

RT: 15.97 min Scan# 4101

Delta R.T. -0.00 min

Lab File: VL037638.D

Acq: 17 Sep 2021 12:08

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion:105 Resp: 4817857

Ion Ratio Lower Upper

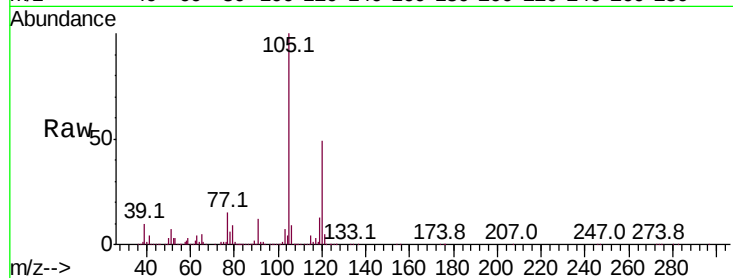
105 100

120 49.1 38.3 57.5

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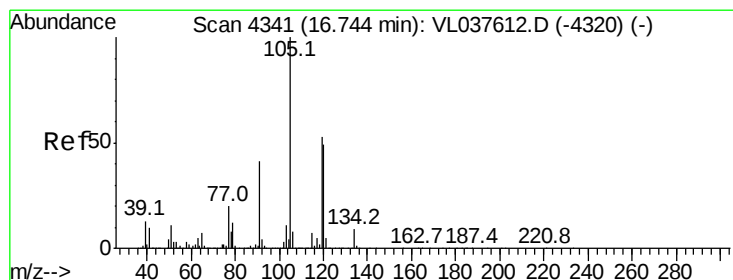
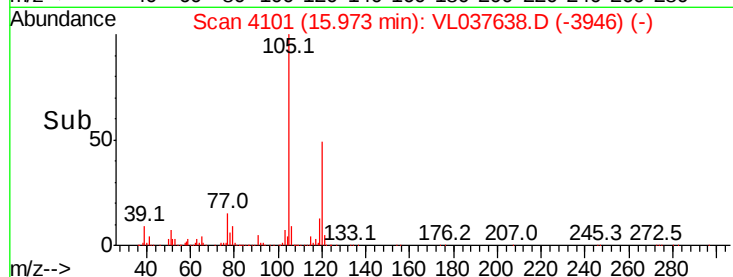
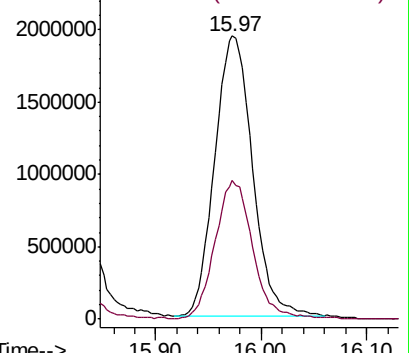
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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V



#74

1,2,4-Trimethylbenzene

Concen: 9.988 ppbv

RT: 16.74 min Scan# 4340

Delta R.T. -0.00 min

Lab File: VL037638.D

Acq: 17 Sep 2021 12:08

Tgt Ion:105 Resp: 5050367

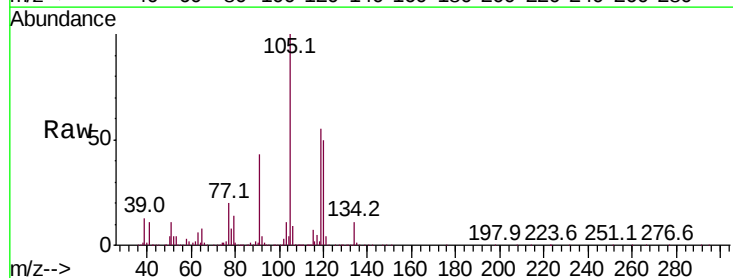
Ion Ratio Lower Upper

105 100

120 49.4 39.4 59.0

91 42.4 33.3 49.9

77 19.3 15.7 23.5

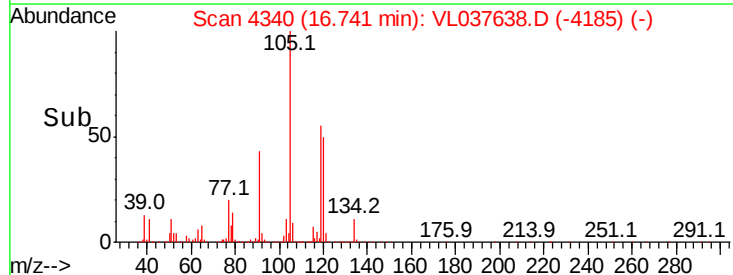
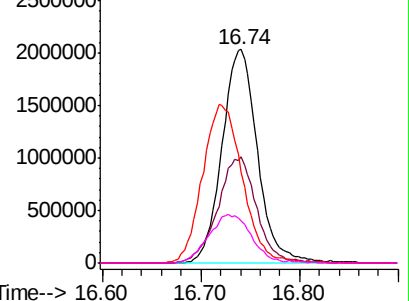


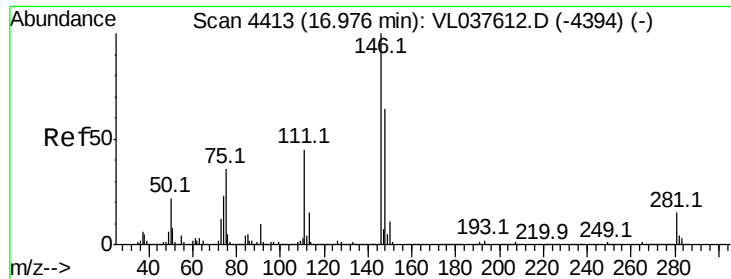
Abundance Ion 105.10 (104.80 to 105.80): V

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





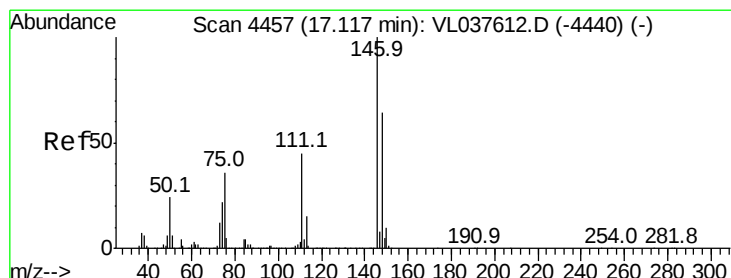
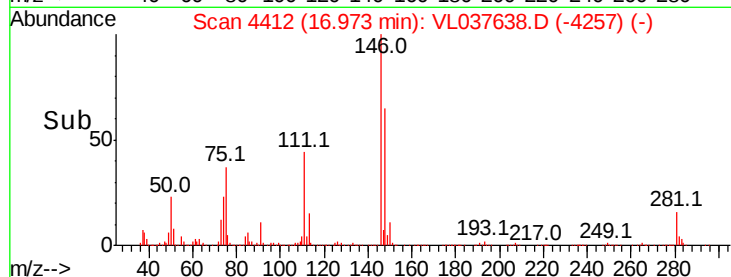
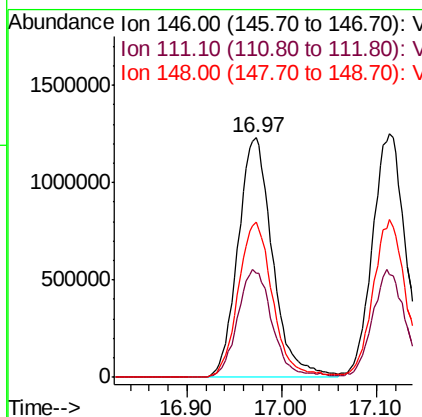
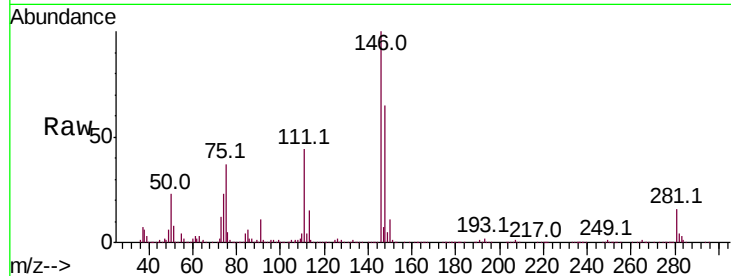
#75
 1,3-Dichlorobenzene
 Concen: 9.958 ppbv
 RT: 16.97 min Scan# 4412
 Delta R.T. -0.00 min
 Lab File: VL037638.D
 Acq: 17 Sep 2021 12:08

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion	Ratio	Lower	Upper
146	100		
111	45.2	22.8	68.3
148	64.3	32.1	96.5

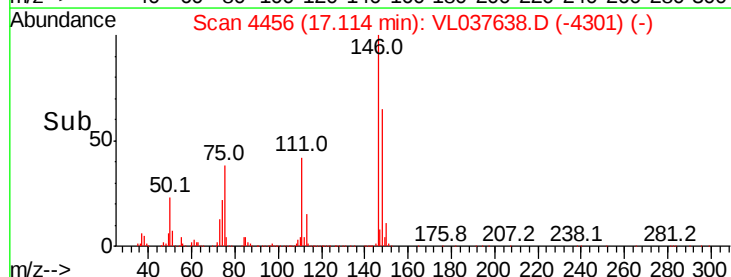
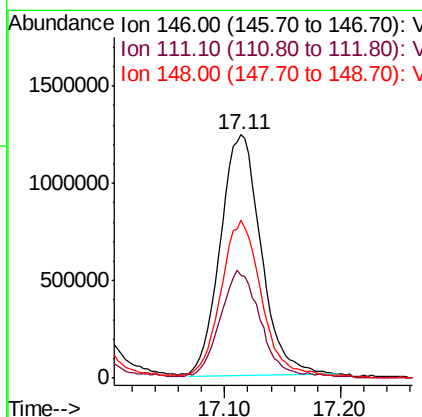
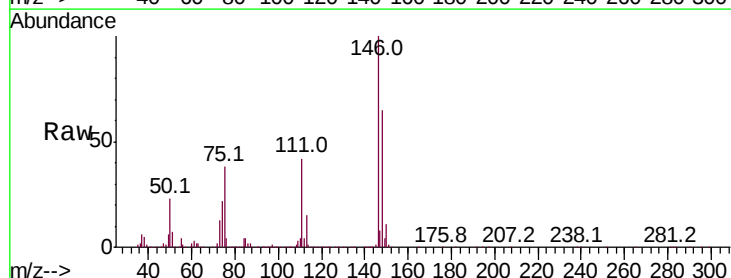
Manual Integrations
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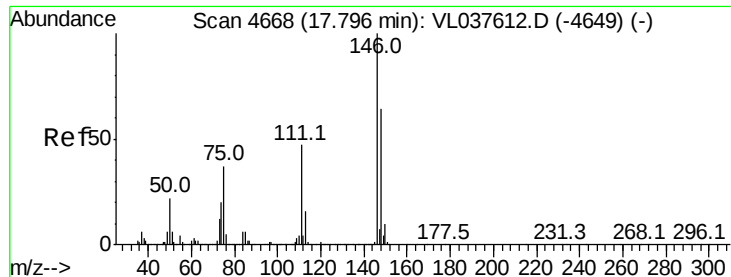
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#76
 1,4-Dichlorobenzene
 Concen: 9.760 ppbv
 RT: 17.11 min Scan# 4456
 Delta R.T. -0.00 min
 Lab File: VL037638.D
 Acq: 17 Sep 2021 12:08

Tgt Ion	Ratio	Lower	Upper
146	100		
111	45.0	22.5	67.5
148	66.3	32.9	98.6





#77

1,2-Dichlorobenzene

Concen: 9.957 ppbv

RT: 17.79 min Scan# 4667

Delta R.T. -0.00 min

Lab File: VL037638.D

Acq: 17 Sep 2021 12:08

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion:146 Resp: 2966821

Ion Ratio Lower Upper

146 100

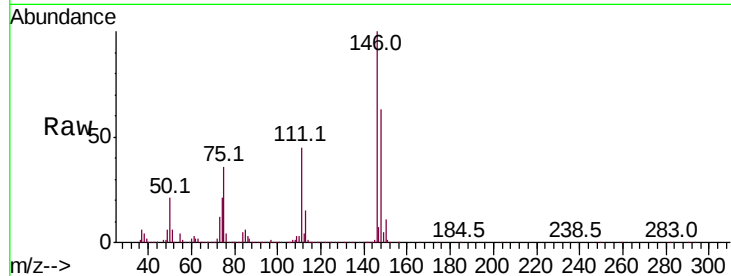
111 46.9 24.0 72.0

148 64.8 32.8 98.3

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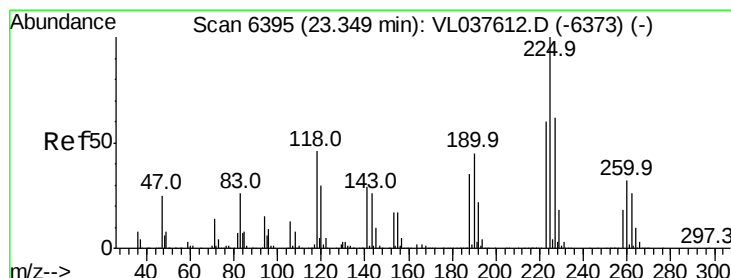
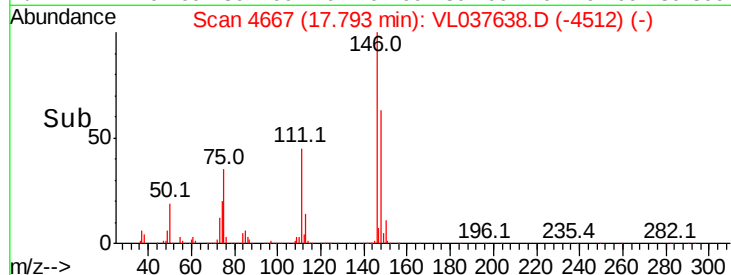
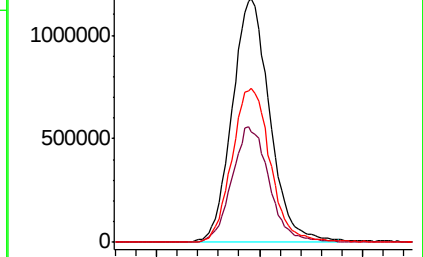
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Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V



#78

Hexachloro-1,3-Butadiene

Concen: 8.632 ppbv

RT: 23.35 min Scan# 6395

Delta R.T. 0.00 min

Lab File: VL037638.D

Acq: 17 Sep 2021 12:08

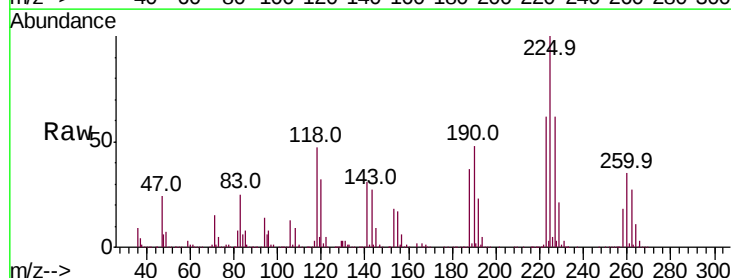
Tgt Ion:225 Resp: 2164840

Ion Ratio Lower Upper

225 100

223 63.5 51.1 76.7

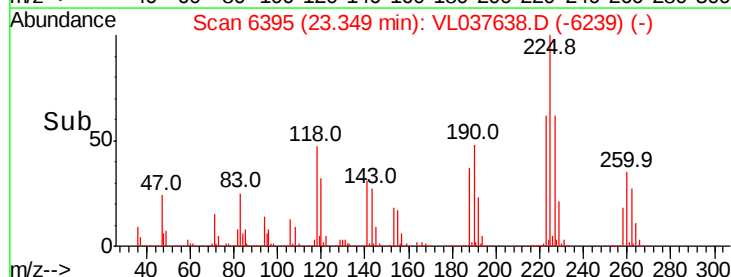
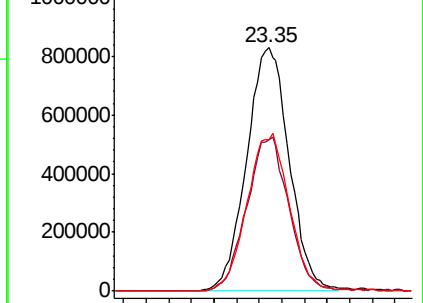
227 64.6 52.2 78.4

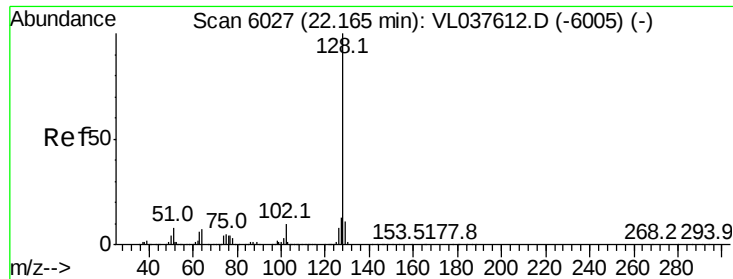


Abundance Ion 224.90 (224.60 to 225.60): V

Ion 222.90 (222.60 to 223.60): V

Ion 226.90 (226.60 to 227.60): V





#79

Naphthalene

Concen: 11.752 ppbv

RT: 22.17 min Scan# 6027

Delta R.T. 0.00 min

Lab File: VL037638.D

Acq: 17 Sep 2021 12:08

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion:128 Resp: 3648813

Ion Ratio Lower Upper

128 100

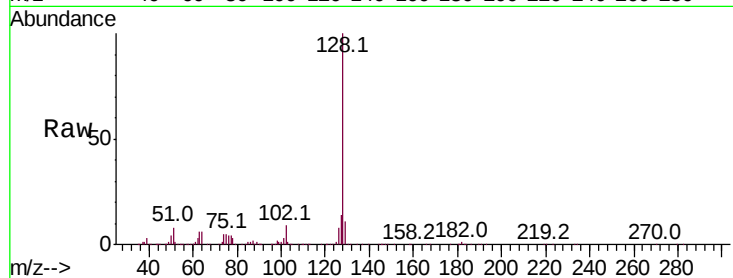
127 13.6 10.6 16.0

129 11.4 8.6 12.8

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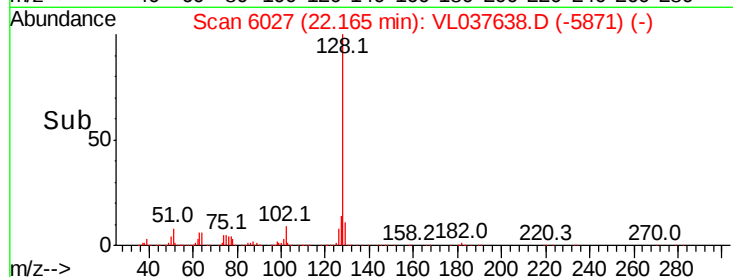


Abundance Ion 128.10 (127.80 to 128.80): V

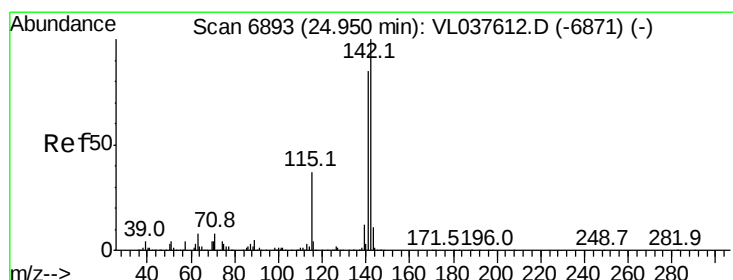
Ion 127.10 (126.80 to 127.80): V

Ion 129.10 (128.80 to 129.80): V

Time-->



Time-->



#80

Naphthalene, 2-methyl-

Concen: 16.037 ppbv

RT: 24.95 min Scan# 6892

Delta R.T. -0.00 min

Lab File: VL037638.D

Acq: 17 Sep 2021 12:08

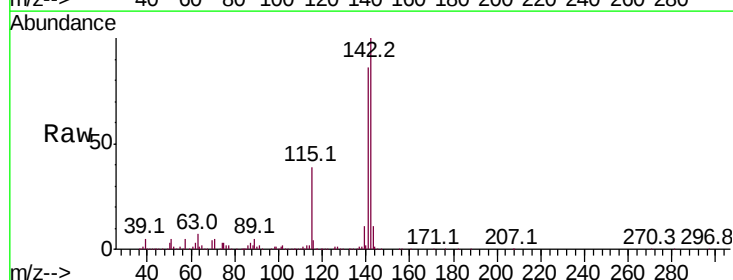
Tgt Ion:142 Resp: 1138081

Ion Ratio Lower Upper

142 100

141 84.0 70.9 106.3

115 34.5 29.6 44.4

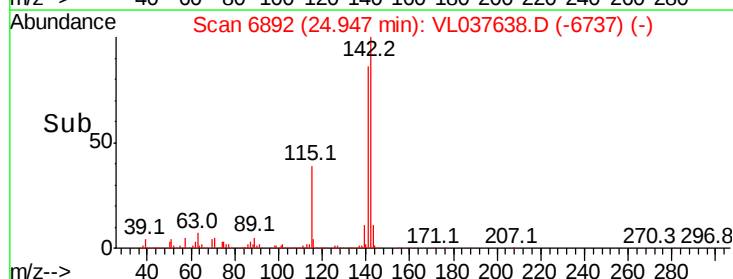


Abundance Ion 142.00 (141.70 to 142.70): V

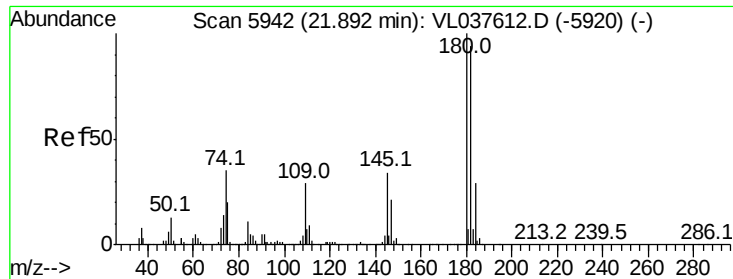
Ion 141.00 (140.70 to 141.70): V

Ion 115.00 (114.70 to 115.70): V

Time-->



Time-->



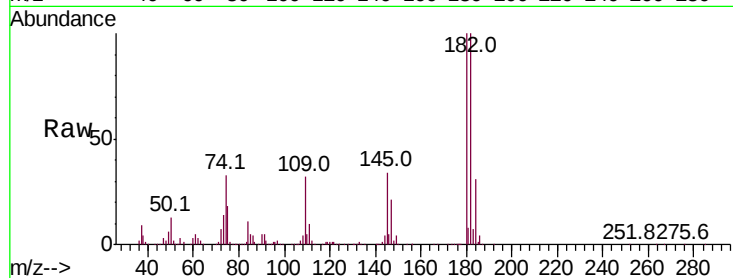
#81
 1,2,4-Trichlorobenzene
 Concen: 10.853 ppbv
 RT: 21.90 min Scan# 5943
 Delta R.T. 0.00 min
 Lab File: VL037638.D
 Acq: 17 Sep 2021 12:08

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion	Ratio	Lower	Upper
180	100		
182	98.4	78.9	118.3
184	31.2	24.7	37.1

Manual Integrations
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Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 184.00 (183.70 to 184.70): V

