

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL073021\
 Data File : VL037294.D
 Acq On : 30 Jul 2021 21:13
 Operator : SY/AP
 Sample : VSTDIC015
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

Manual Integrations
 APPROVED

MMDadoda
 8/2/2021 8:57:52 AM

Quant Time: Jul 30 23:17:11 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL073021AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Jul 30 2021
 QLast Update : Fri Jul 30 22:49:48 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1230051	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	3910910	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.09	117	3882807	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.42	95	2827940	9.71	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.10%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.03	85	1573526	7.680	ppbv	100
3) Chlorodifluoromethane	2.97	51	3222731	13.416	ppbv	99
4) Chloromethane	3.13	50	1140400	14.228	ppbv	99
5) Vinyl Chloride	3.24	62	1255691	14.273	ppbv	99
6) Bromomethane	3.46	94	715707	13.665	ppbv	97
7) Chloroethane	3.55	64	453354	14.396	ppbv	99
8) Dichlorotetrafluoroethane	3.18	85	2202278	10.059	ppbv	98
9) Propene	2.99	41	1039481	13.551	ppbv	96
10) Heptane	8.12	43	2846433	15.243	ppbv	99
11) Trichlorofluoromethane	3.94	101	2861144	12.655	ppbv	97
12) 1,1,2-Trichlorotrifluoroet	4.48	101	2244475	13.959	ppbv	98
13) Ethanol	3.59	45	166555	13.587	ppbv	99
14) Bromoethene	3.73	108	958405	14.189	ppbv	100
15) Acetone	3.84	43	1634455	11.640	ppbv	99
16) 1,3-Butadiene	3.31	39	1168497	14.316	ppbv	99
17) tert-Butyl alcohol	4.28	59	1846750	14.403	ppbv	100
18) 1,1-Dichloroethene	4.28	96	990376	13.846	ppbv	99
19) Isopropyl Alcohol	3.96	45	1125795	13.449	ppbv	99
20) Methylene Chloride	4.34	84	1015606	11.600	ppbv	99
21) Allyl Chloride	4.41	41	1417833	13.564	ppbv	99
22) trans-1,2-Dichloroethene	4.88	96	1041797	14.592	ppbv	98
23) Vinyl Acetate	5.07	43	2479884	12.738	ppbv	99
24) 1,1-Dichloroethane	5.01	63	2001946	12.784	ppbv	99
25) Ethyl Acetate	5.67	43	4535673	14.825	ppbv	98
26) Hexane	5.68	57	2343785	14.931	ppbv	99
27) Carbon Disulfide	4.54	76	2378687	16.060	ppbv	100
28) Methyl tert-Butyl Ether	5.03	73	2101329	11.932	ppbv	99
29) Chloroform	5.75	83	3372133	14.317	ppbv	98
30) Cyclohexane	7.13	84	1928439	15.023	ppbv	98
31) cis-1,2-Dichloroethene	5.54	61	2110225	14.959	ppbv	98
32) 1,1,1-Trichloroethane	6.51	97	3446168	13.724	ppbv	100
34) 2-Butanone	5.24	43	1987239	13.074	ppbv	99
35) Carbon Tetrachloride	7.02	117	3661286	14.086	ppbv	98
36) Benzene	6.89	78	4582427	14.443	ppbv	98
37) 1,2-Dichloroethane	6.30	62	2484193	13.668	ppbv	99
38) Trichloroethene	7.83	130	1968897	12.998	ppbv	99
39) 1,2-Dichloropropane	7.61	63	1738289	14.805	ppbv	98
40) 1,4-Dioxane	7.83	88	459797	14.376	ppbv	98
41) Tetrahydrofuran	6.04	42	1049913	14.860	ppbv	99
42) Bromodichloromethane	7.79	83	3631287	14.471	ppbv	98
43) Methyl Methacrylate	8.01	69	1693020	15.525	ppbv	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.87	57	7302854	13.708	ppbv	100
45) t-1,3-Dichloropropene	9.28	75	1692955	17.833	ppbv	100
46) cis-1,3-Dichloropropene	8.70	75	2119237	16.266	ppbv	98
47) 1,1,2-Trichloroethane	9.48	97	1963923	14.589	ppbv	97
48) Dibromochloromethane	10.31	129	3423317	16.184	ppbv	100
49) Bromoform	13.05	173	2950223	18.472	ppbv	99
50) 4-Methyl-2-Pentanone	8.74	43	3067675	14.825	ppbv	100
51) 2-Hexanone	10.14	43	1541159	15.322	ppbv	99
52) Tetrachloroethene	11.23	164	1953220	13.226	ppbv	97
53) Toluene	9.81	91	5533804	14.565	ppbv	99
54) 1,2-Dibromoethane	10.62	107	2953036	15.292	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.13	131	2347465	13.908	ppbv #	73
57) Chlorobenzene	12.15	112	4317488	13.707	ppbv	99
58) Ethyl Benzene	12.72	91	7230489	13.583	ppbv	96
59) m/p-Xylene	13.00	91	12153742m	26.940	ppbv	
60) o-Xylene	13.70	91	5824397	13.540	ppbv	99
61) Styrene	13.53	104	3489536	15.750	ppbv	100
62) Isopropylbenzene	14.67	105	8100058	13.212	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.68	83	4096353	14.189	ppbv	99
64) n-propylbenzene	15.57	120	2275546	14.785	ppbv	92
65) tert-Butylbenzene	16.75	119	7418123	13.553	ppbv	99
66) Benzyl Chloride	16.99	91	524730	20.785	ppbv	98
67) sec-Butylbenzene	17.30	105	9833343	13.463	ppbv	98
69) p-Isopropyltoluene	17.66	119	8593583	13.920	ppbv	99
70) n-Butylbenzene	18.55	91	8195412	14.343	ppbv	98
71) 2-Chlorotoluene	15.46	91	5993836	13.960	ppbv	99
72) 4-Ethyltoluene	15.84	105	7222545	14.594	ppbv	99
73) 1,3,5-Trimethylbenzene	16.00	105	6558731	13.768	ppbv	98
74) 1,2,4-Trimethylbenzene	16.77	105	6742229	13.747	ppbv	98
75) 1,3-Dichlorobenzene	17.00	146	4406559	14.660	ppbv	99
76) 1,4-Dichlorobenzene	17.14	146	4365149	14.447	ppbv	100
77) 1,2-Dichlorobenzene	17.82	146	4200495	14.396	ppbv	99
78) Hexachloro-1,3-Butadiene	23.38	225	2779151	11.337	ppbv	100
79) Naphthalene	22.20	128	5520755	13.966	ppbv	99
80) Naphthalene, 2-methyl-	24.98	142	1911858	18.532	ppbv	98
81) 1,2,4-Trichlorobenzene	21.93	180	3291932	14.216	ppbv	98

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

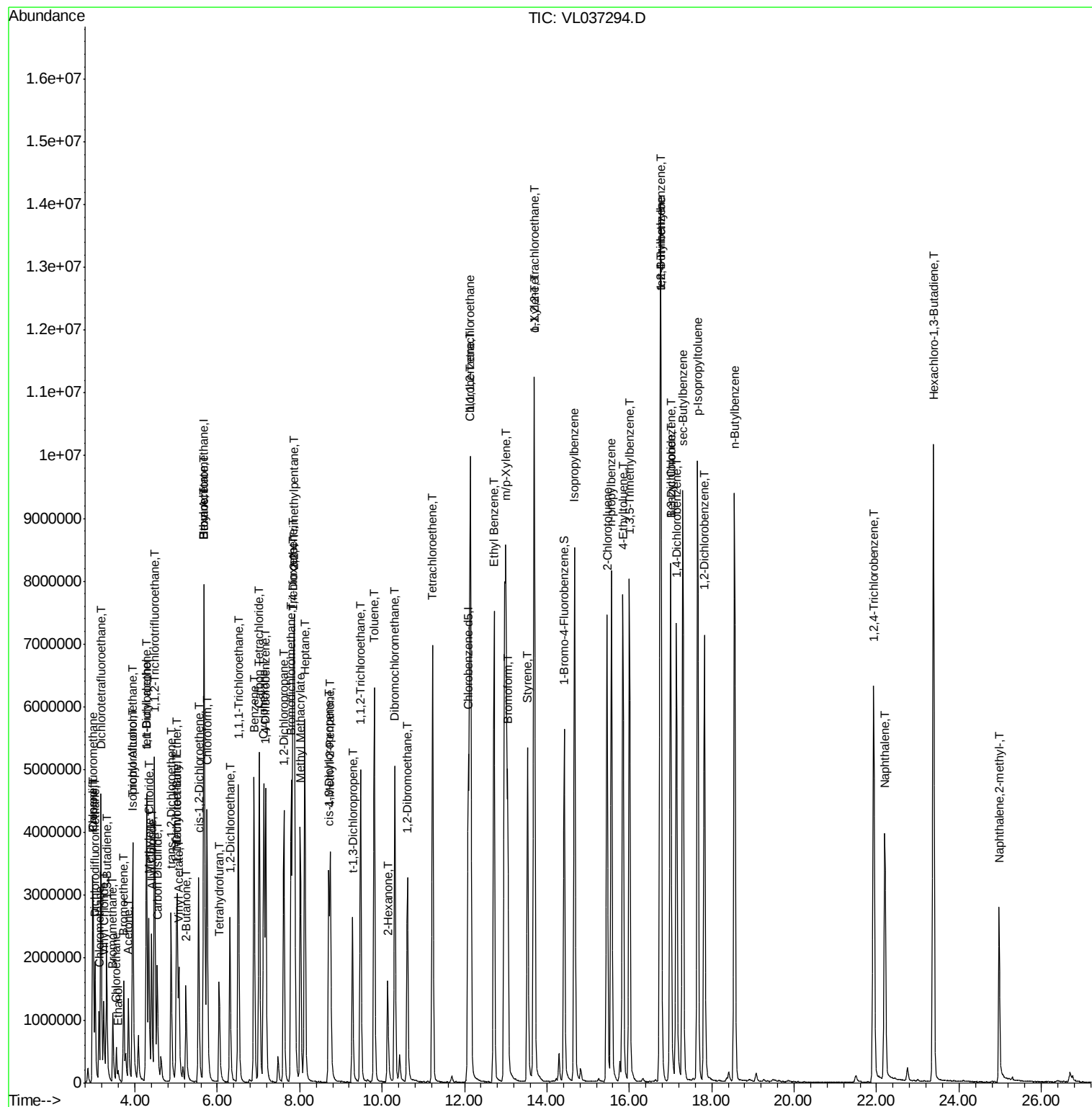
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL073021\
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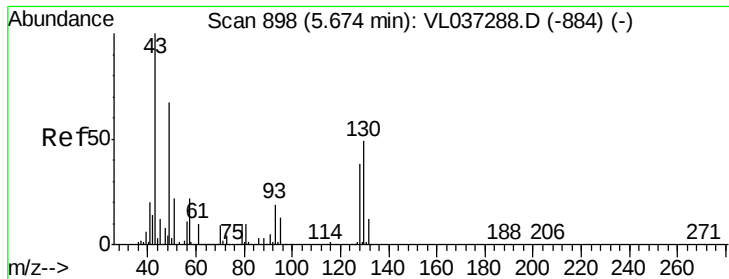
Instrument :
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QLast Update : Fri Jul 30 22:49:48 2021
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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 min Scan# 895

Delta R.T. -0.01 min

Lab File: VL037294.D

Acq: 30 Jul 2021 21:13

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tot Ion: 49 Resp: 1230051

Ion Ratio Lower Upper

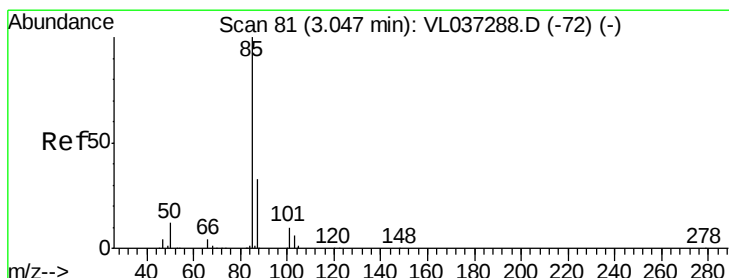
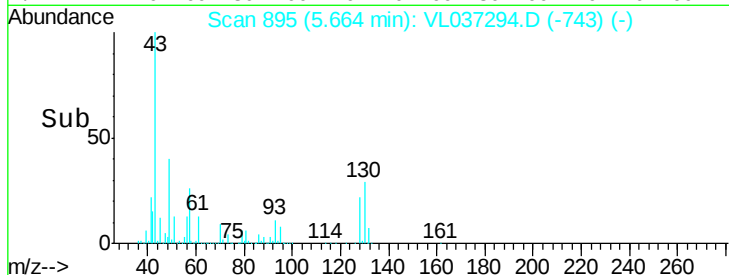
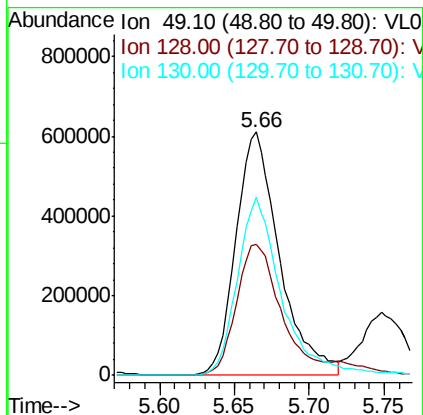
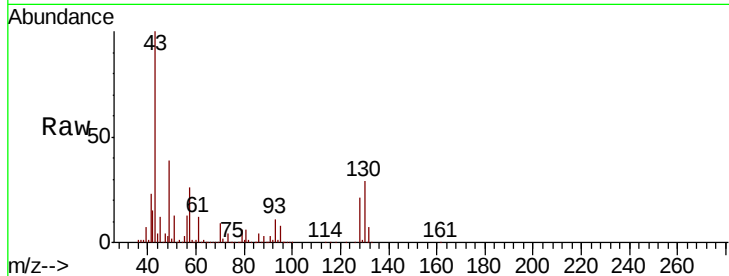
49 100

128 61.7 30.6 92.0

130 75.6 37.8 113.4

Manual Integrations
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#2

Dichlorodifluoromethane

Concen: 7.680 ppbv

RT: 3.03 min Scan# 76

Delta R.T. -0.02 min

Lab File: VL037294.D

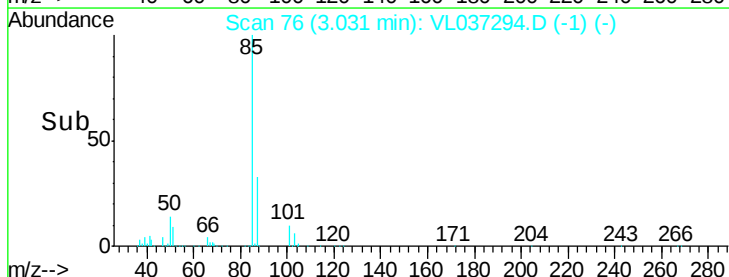
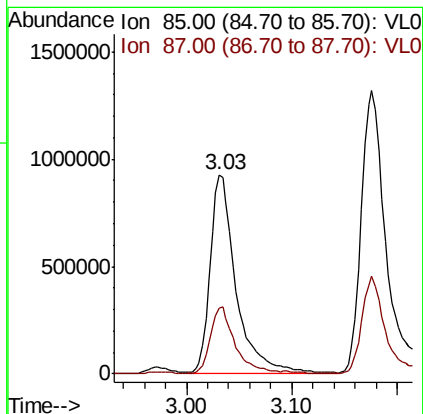
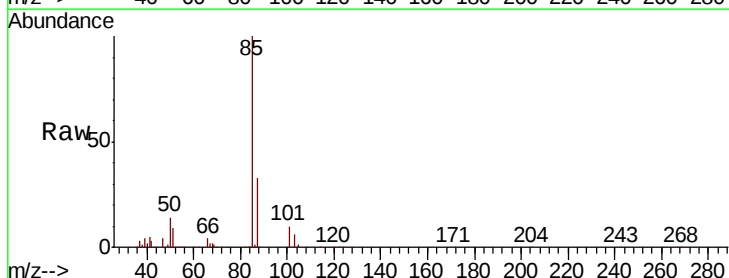
Acq: 30 Jul 2021 21:13

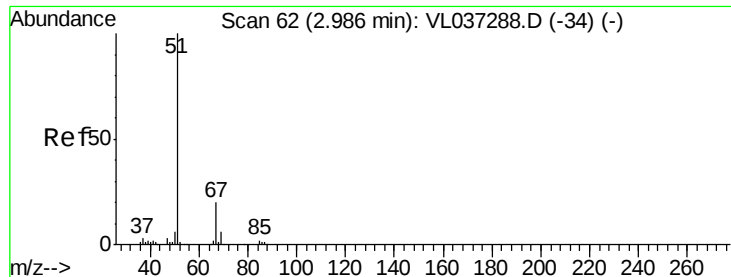
Tgt Ion: 85 Resp: 1573526

Ion Ratio Lower Upper

85 100

87 33.1 26.6 40.0





#3

Chlorodifluoromethane

Concen: 13.416 ppbv

RT: 2.97 min Scan# 58

Delta R.T. -0.01 min

Lab File: VL037294.D

Acq: 30 Jul 2021 21:13

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tot Ion: 51 Resp: 3222731

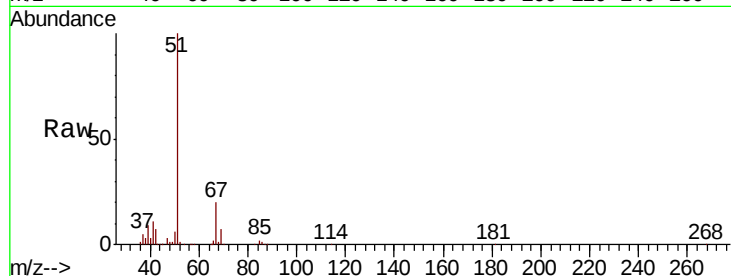
Ion Ratio Lower Upper

51 100

67 19.3 15.2 22.8

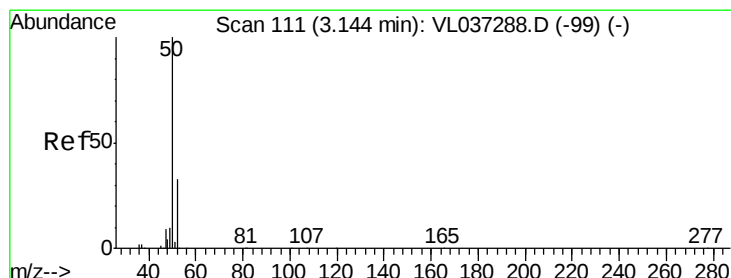
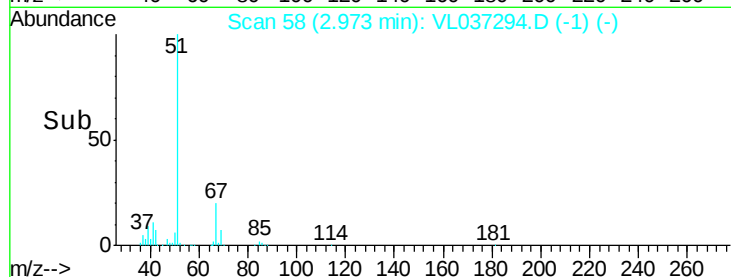
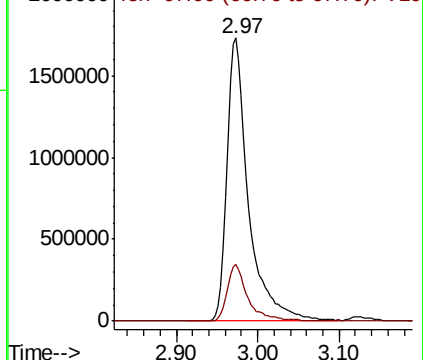
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Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 14.228 ppbv

RT: 3.13 min Scan# 106

Delta R.T. -0.02 min

Lab File: VL037294.D

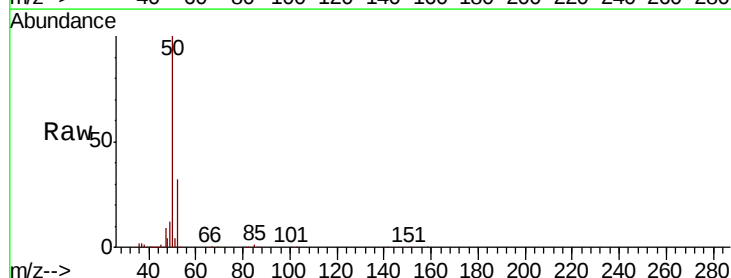
Acq: 30 Jul 2021 21:13

Tgt Ion: 50 Resp: 1140400

Ion Ratio Lower Upper

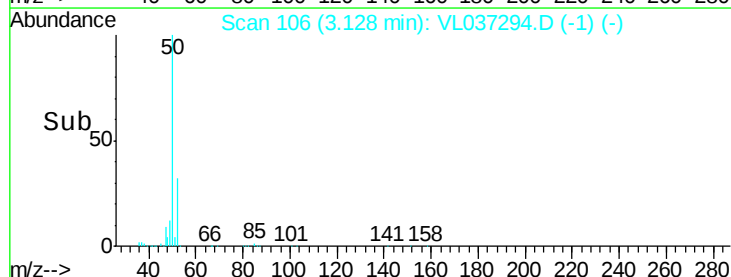
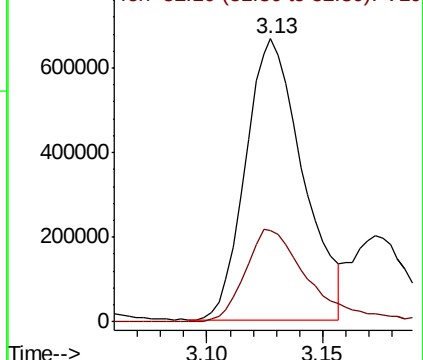
50 100

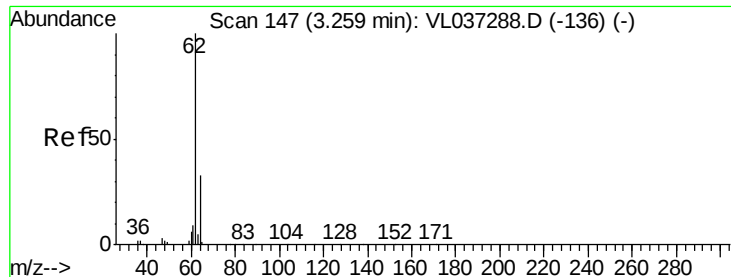
52 32.4 26.2 39.4



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 14.273 ppbv

RT: 3.24 min Scan# 142

Delta R.T. -0.02 min

Lab File: VL037294.D

Acq: 30 Jul 2021 21:13

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tot Ion: 62 Resp: 1255691

Ion Ratio Lower Upper

62 100

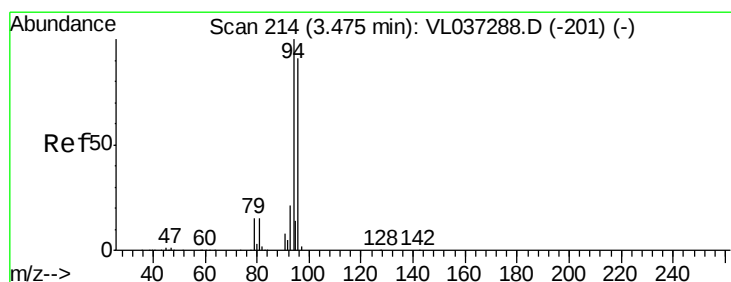
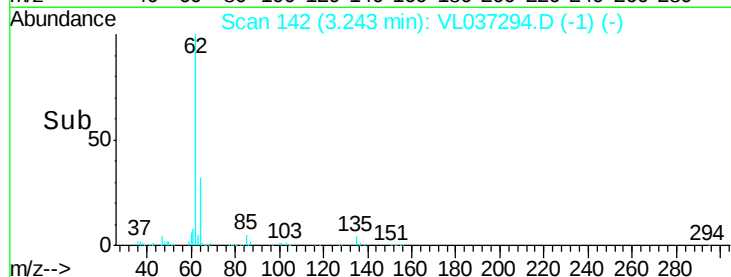
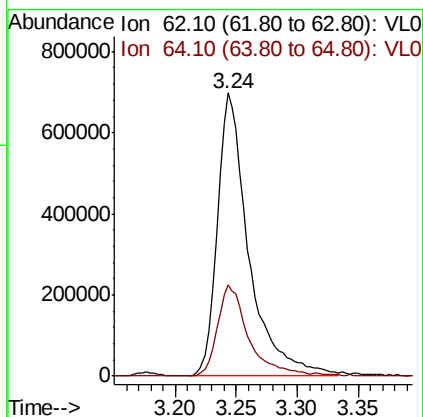
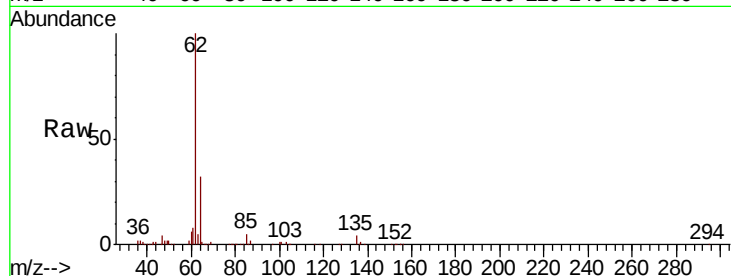
64 32.3 26.1 39.1

Manual Integrations

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#6

Bromomethane

Concen: 13.665 ppbv

RT: 3.46 min Scan# 210

Delta R.T. -0.01 min

Lab File: VL037294.D

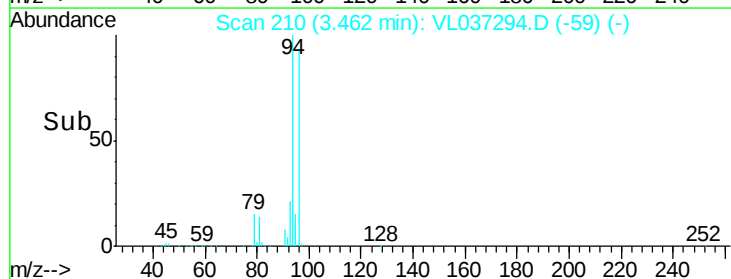
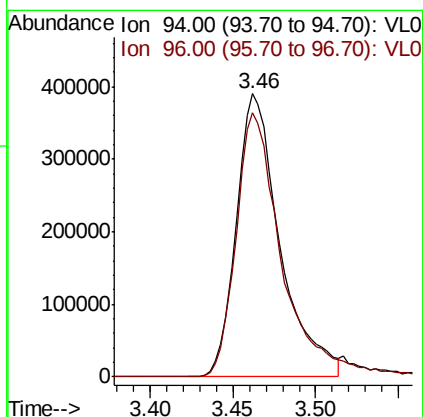
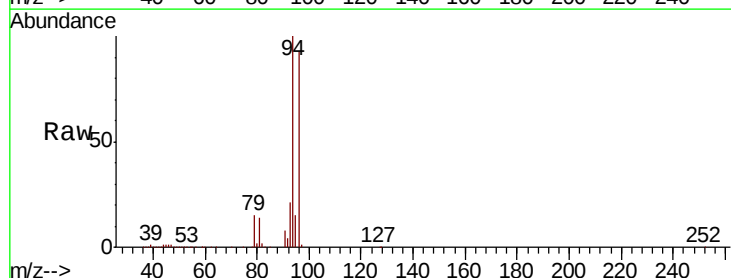
Acq: 30 Jul 2021 21:13

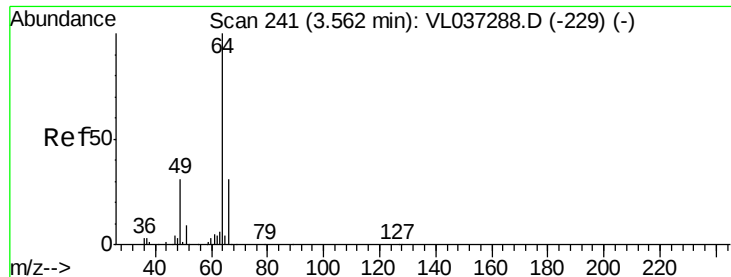
Tgt Ion: 94 Resp: 715707

Ion Ratio Lower Upper

94 100

96 93.4 72.7 109.1





#7

Chloroethane

Concen: 14.396 ppbv

RT: 3.55 min Scan# 236

Delta R.T. -0.02 min

Lab File: VL037294.D

Acq: 30 Jul 2021 21:13

Instrument :

MSVOA_L

ClientSampled :

VSTDIC015

Tot Ion: 64 Resp: 453354

Ion Ratio Lower Upper

64 100

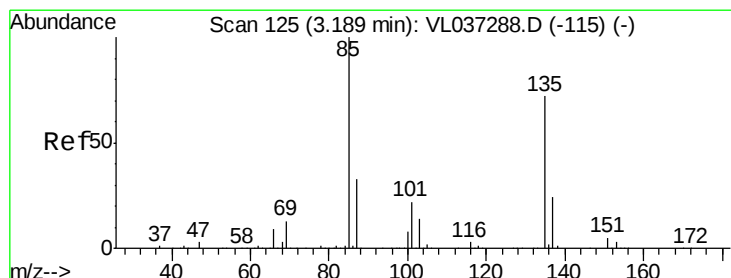
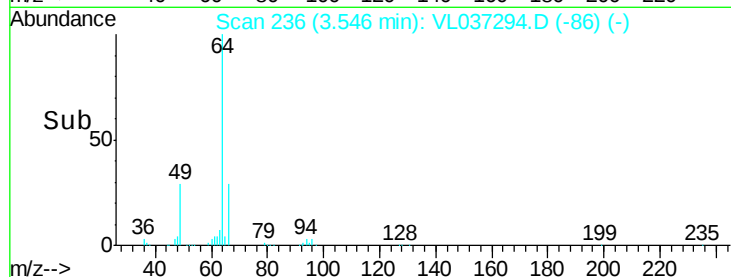
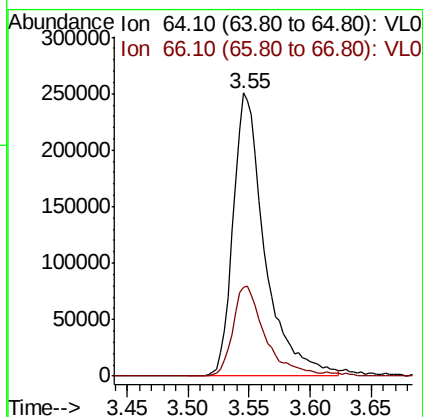
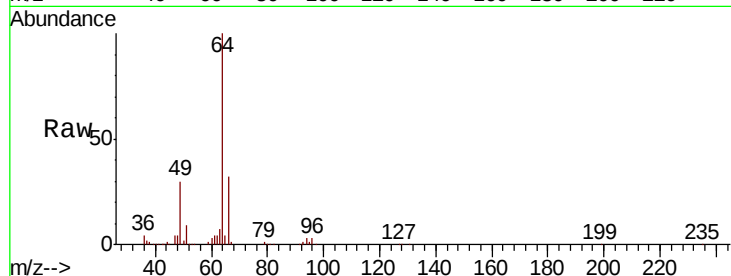
66 31.6 24.9 37.3

Manual Integrations

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#8

Dichlorotetrafluoroethane

Concen: 10.059 ppbv

RT: 3.18 min Scan# 121

Delta R.T. -0.01 min

Lab File: VL037294.D

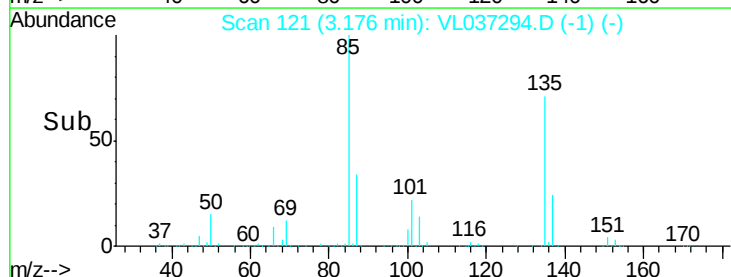
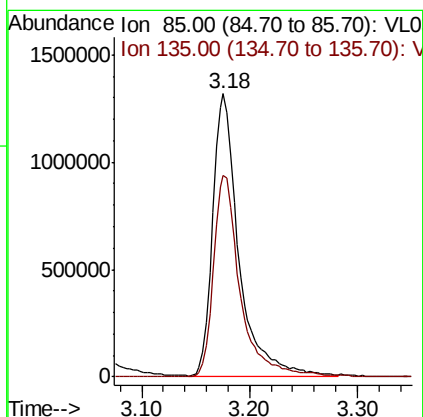
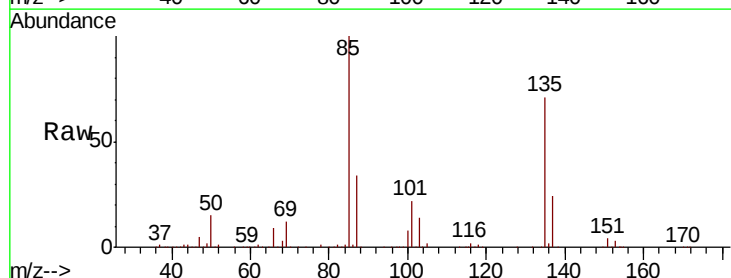
Acq: 30 Jul 2021 21:13

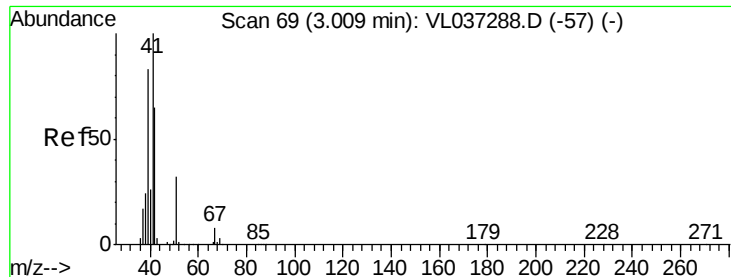
Tgt Ion: 85 Resp: 2202278

Ion Ratio Lower Upper

85 100

135 74.1 61.0 91.4





#9

Propene

Concen: 13.551 ppbv

RT: 2.99 min Scan# 63

Delta R.T. -0.02 min

Lab File: VL037294.D

Acq: 30 Jul 2021 21:13

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tot Ion: 41 Resp: 1039481

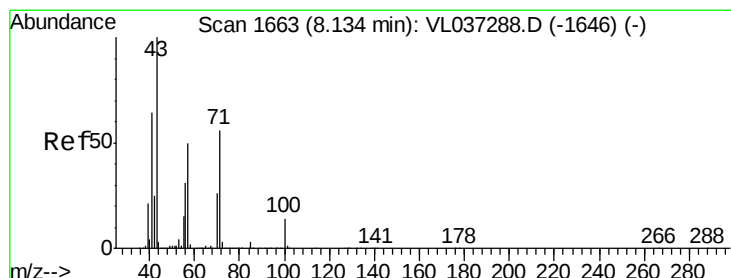
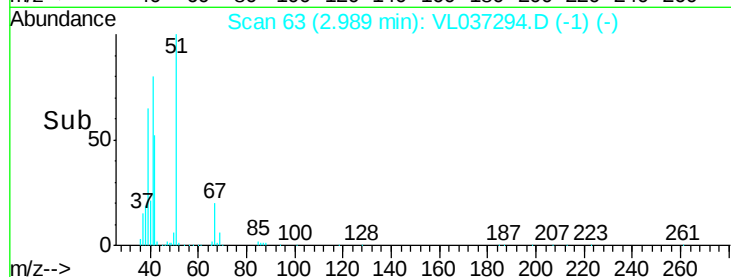
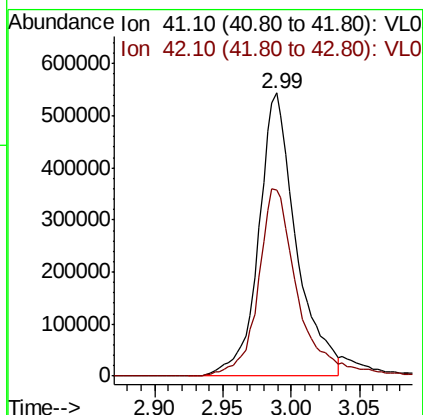
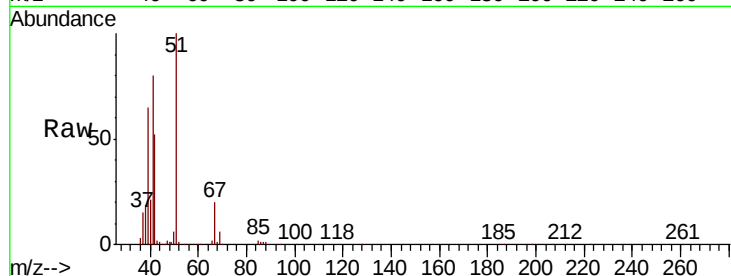
Ion Ratio Lower Upper

41 100

42 70.8 54.0 81.0

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#10

Heptane

Concen: 15.243 ppbv

RT: 8.12 min Scan# 1660

Delta R.T. -0.01 min

Lab File: VL037294.D

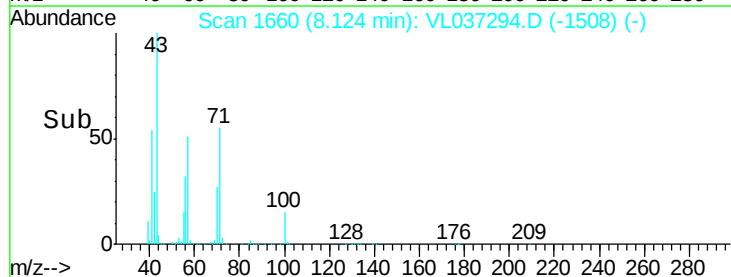
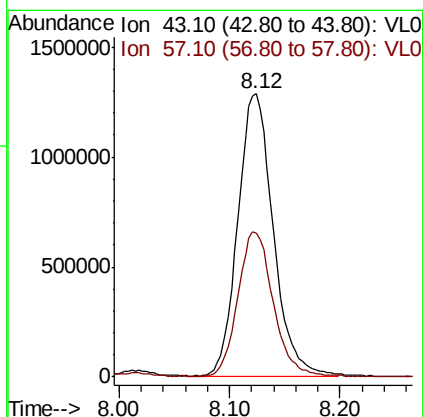
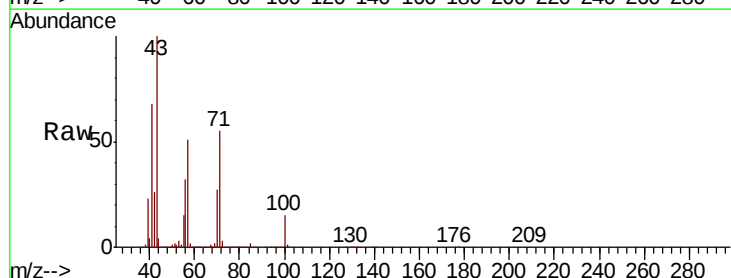
Acq: 30 Jul 2021 21:13

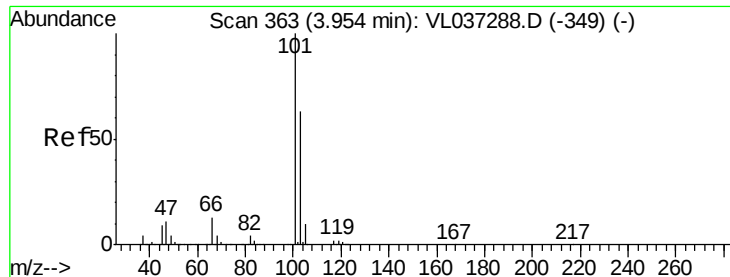
Tgt Ion: 43 Resp: 2846433

Ion Ratio Lower Upper

43 100

57 51.6 40.9 61.3





#11

Trichlorofluoromethane

Concen: 12.655 ppbv

RT: 3.94 min Scan# 359

Delta R.T. -0.01 min

Lab File: VL037294.D

Acq: 30 Jul 2021 21:13

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tot Ion:101 Resp: 2861144

Ion Ratio Lower Upper

101 100

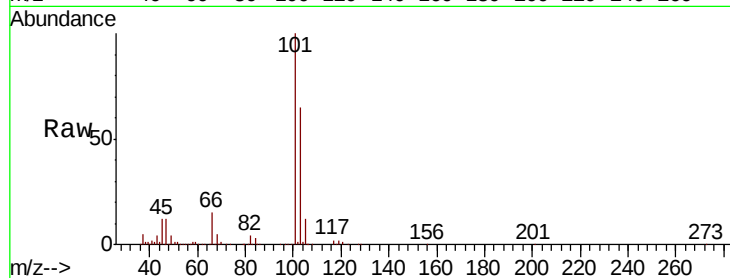
103 65.3 50.6 75.8

Manual Integrations

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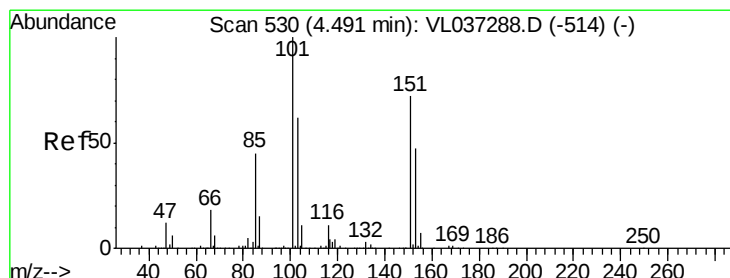
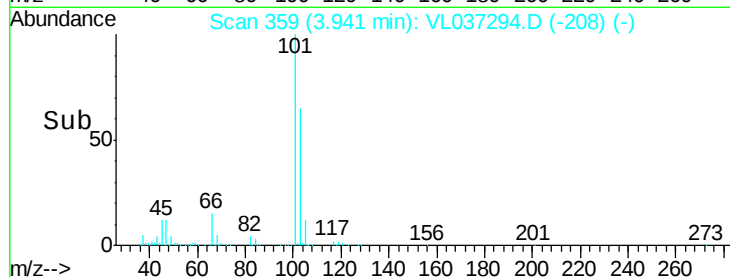
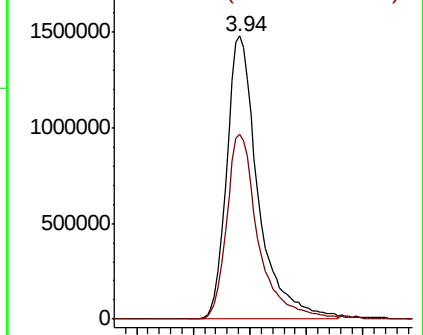
MMDadoda

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Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#12

1,1,2-Trichlorotrifluoroethane

Concen: 13.959 ppbv

RT: 4.48 min Scan# 526

Delta R.T. -0.01 min

Lab File: VL037294.D

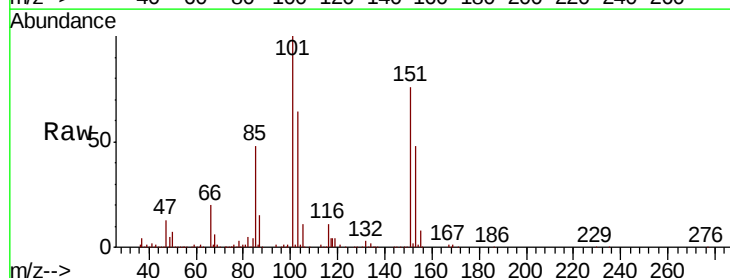
Acq: 30 Jul 2021 21:13

Tgt Ion:101 Resp: 2244475

Ion Ratio Lower Upper

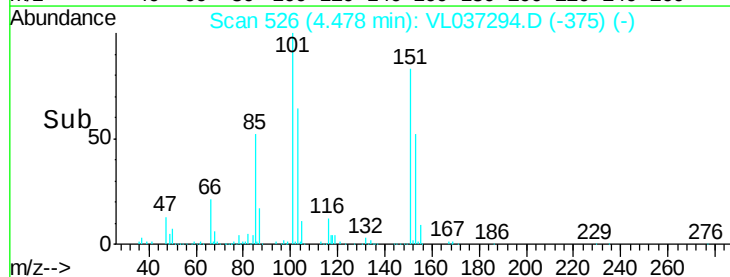
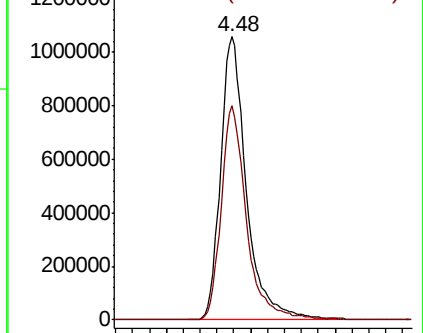
101 100

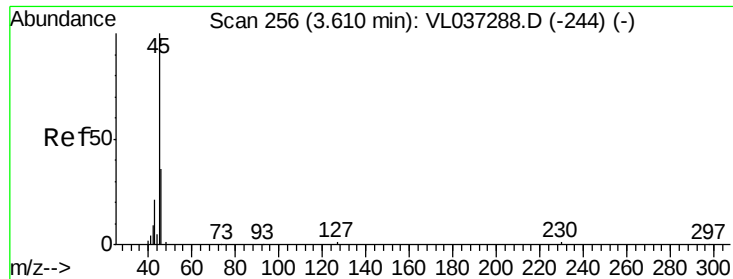
151 74.6 61.4 92.0



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V





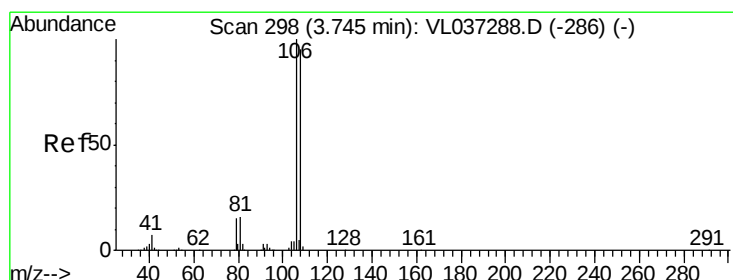
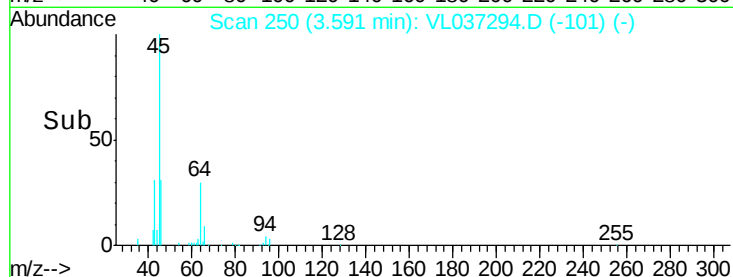
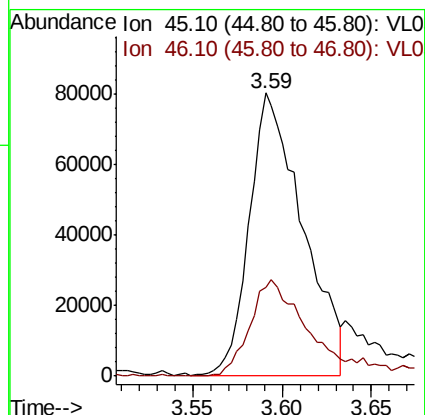
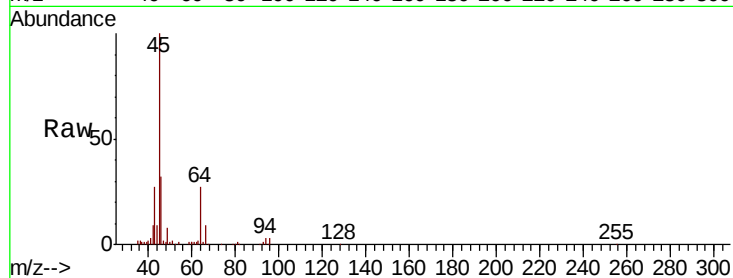
#13
Ethanol
Concen: 13.587 ppbv
RT: 3.59 min Scan# 250
Delta R.T. -0.02 min
Lab File: VL037294.D
Acq: 30 Jul 2021 21:13

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tot Ion	Ratio	Lower	Upper
45	100		
46	41.4	16.2	64.8

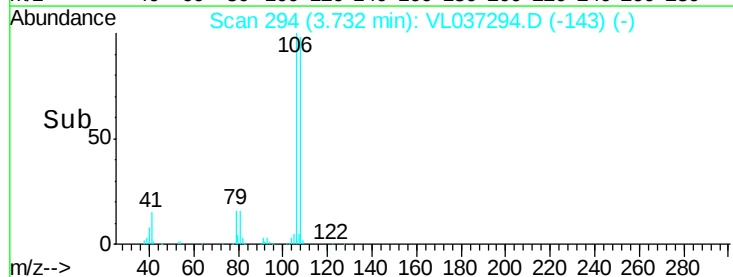
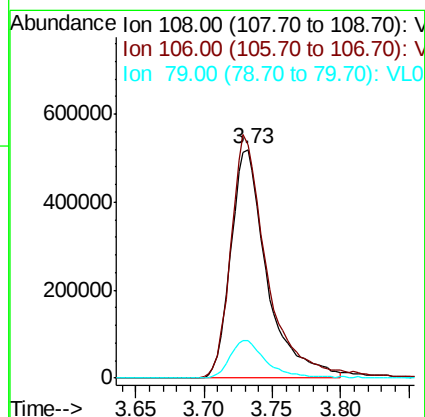
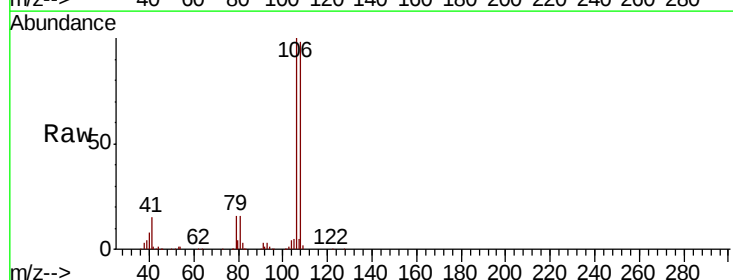
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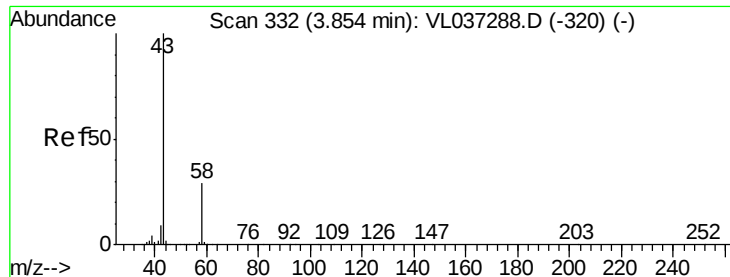
MMDadoda
8/2/2021 8:57:52 AM



#14
Bromoethene
Concen: 14.189 ppbv
RT: 3.73 min Scan# 294
Delta R.T. -0.01 min
Lab File: VL037294.D
Acq: 30 Jul 2021 21:13

Tgt Ion	Ratio	Lower	Upper
108	100		
106	107.9	86.2	129.2
79	17.3	13.3	19.9





#15

Acetone

Concen: 11.640 ppbv

RT: 3.84 min Scan# 327

Delta R.T. -0.02 min

Lab File: VL037294.D

Acq: 30 Jul 2021 21:13

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tot Ion: 43 Resp: 1634455

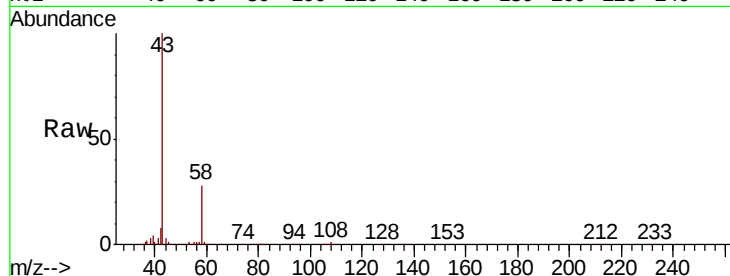
Ion Ratio Lower Upper

43 100

58 29.8 24.2 36.4

Manual Integrations
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Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

3.84

800000

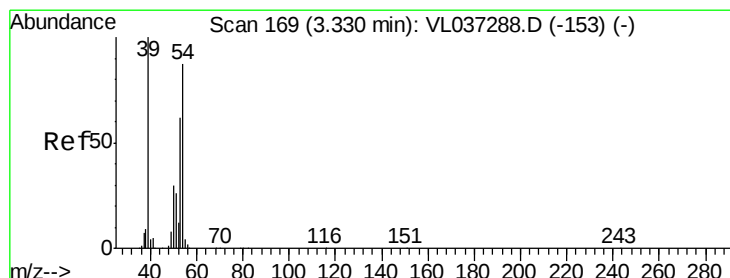
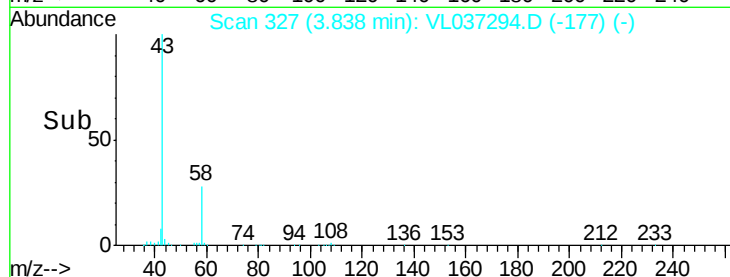
600000

400000

200000

0

Time--> 3.75 3.80 3.85 3.90 3.95



#16

1,3-Butadiene

Concen: 14.316 ppbv

RT: 3.31 min Scan# 164

Delta R.T. -0.02 min

Lab File: VL037294.D

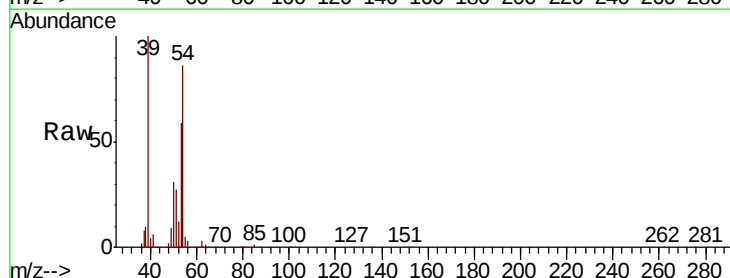
Acq: 30 Jul 2021 21:13

Tgt Ion: 39 Resp: 1168497

Ion Ratio Lower Upper

39 100

54 79.0 63.9 95.9



Abundance Ion 39.10 (38.80 to 39.80): VL0

Ion 54.10 (53.80 to 54.80): VL0

3.31

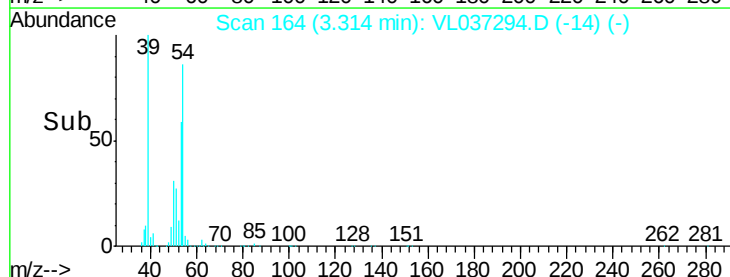
600000

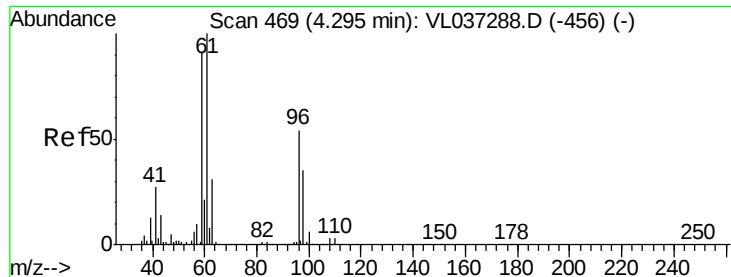
400000

200000

0

Time--> 3.20 3.30 3.40





#17

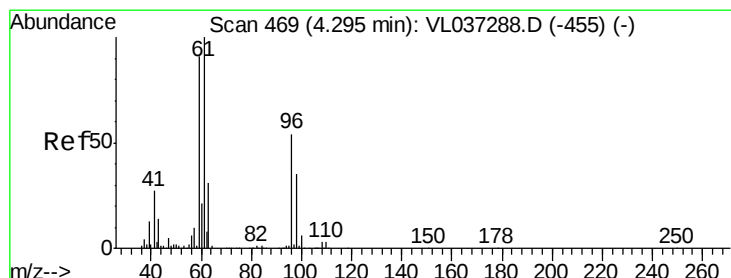
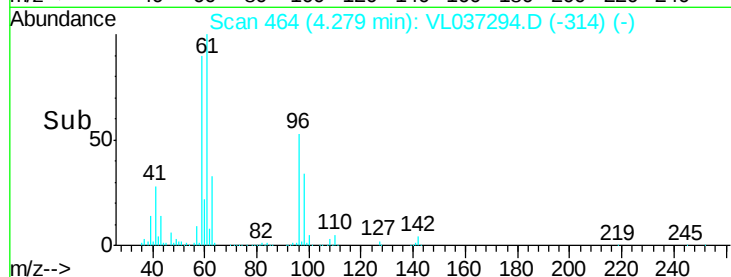
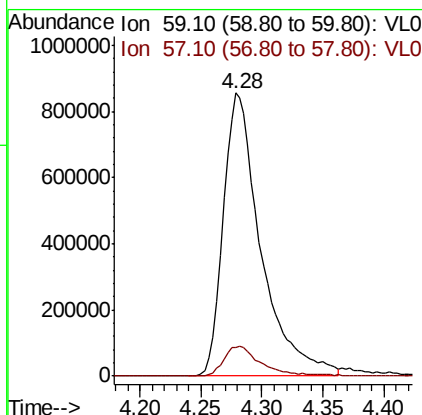
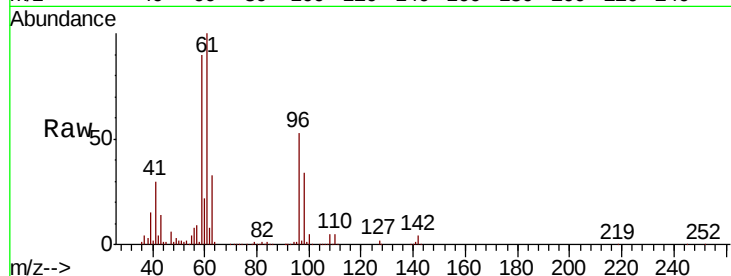
tert-Butyl alcohol
Concen: 14.403 ppbv
RT: 4.28 min Scan# 464
Delta R.T. -0.02 min
Lab File: VL037294.D
Acq: 30 Jul 2021 21:13

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tot Ion: 59 Resp: 1846750
Ion Ratio Lower Upper
59 100
57 10.7 8.6 13.0

Manual Integrations
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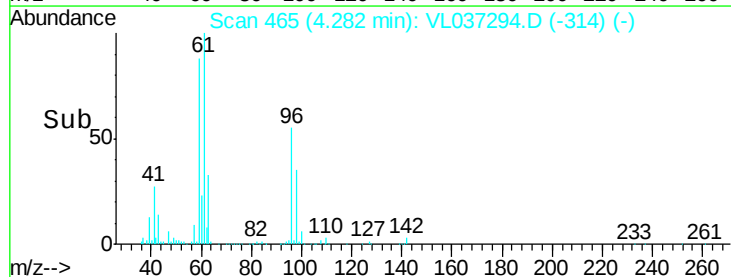
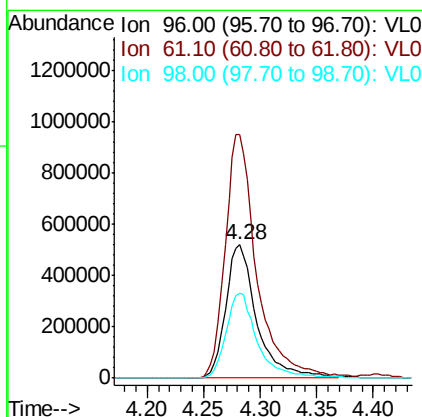
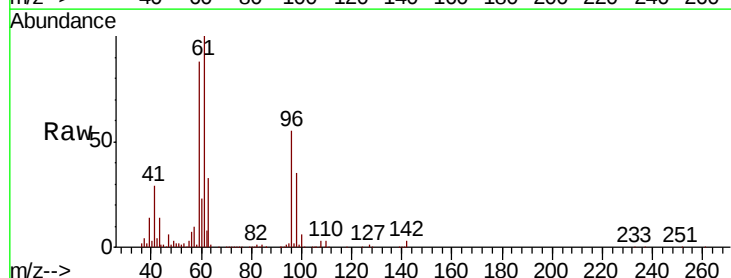
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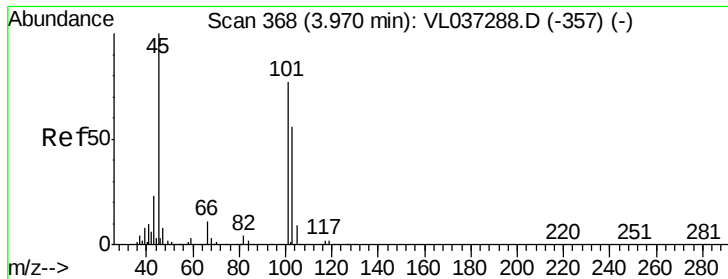


#18

1,1-Dichloroethene
Concen: 13.846 ppbv
RT: 4.28 min Scan# 465
Delta R.T. -0.01 min
Lab File: VL037294.D
Acq: 30 Jul 2021 21:13

Tgt Ion: 96 Resp: 990376
Ion Ratio Lower Upper
96 100
61 183.0 148.3 222.5
98 64.1 51.4 77.0





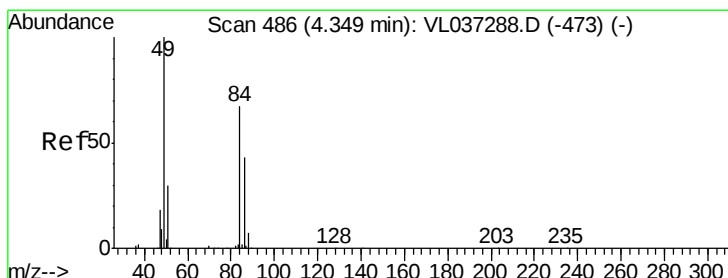
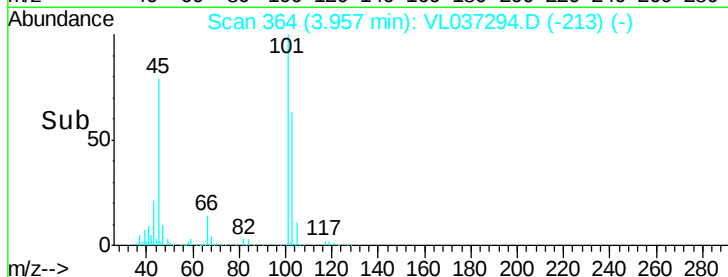
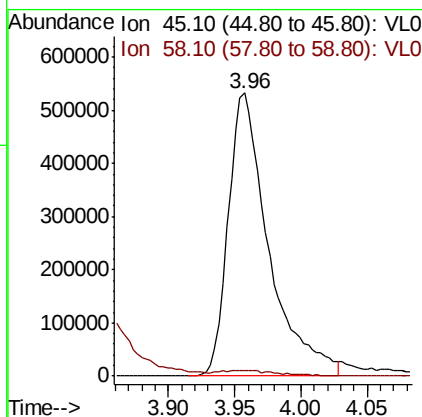
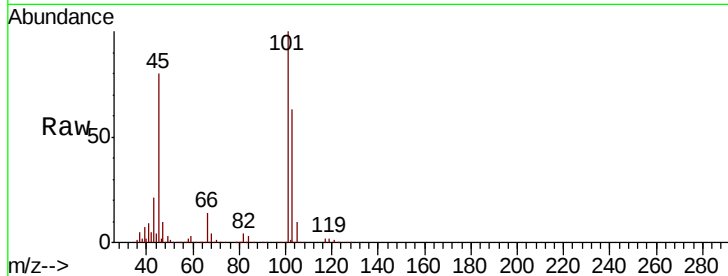
#19
Isopropyl Alcohol
Concen: 13.449 ppbv
RT: 3.96 min Scan# 364
Delta R.T. -0.01 min
Lab File: VL037294.D
Acq: 30 Jul 2021 21:13

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tot Ion: 45 Resp: 1125795
Ion Ratio Lower Upper
45 100
58 3.2 2.2 3.2

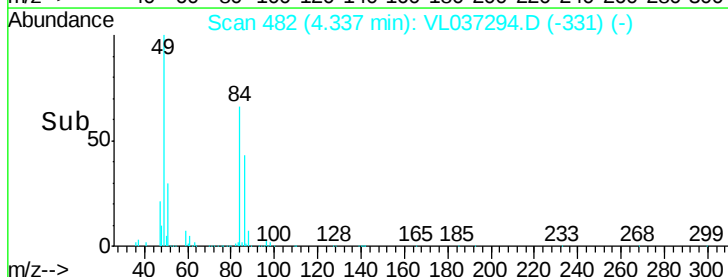
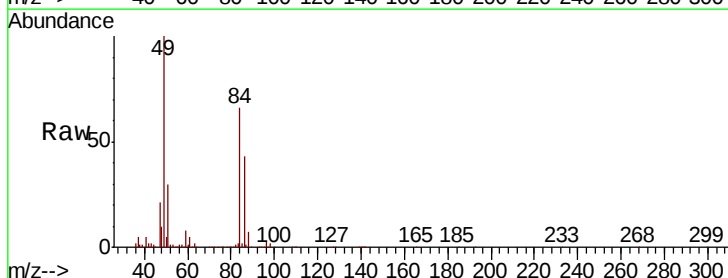
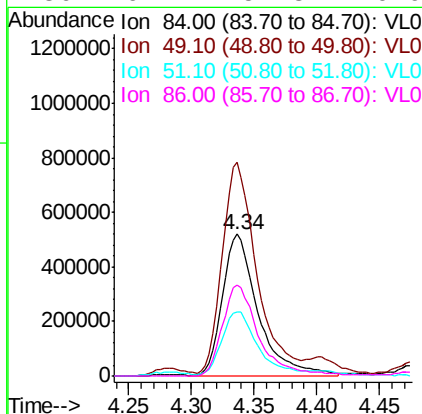
Manual Integrations
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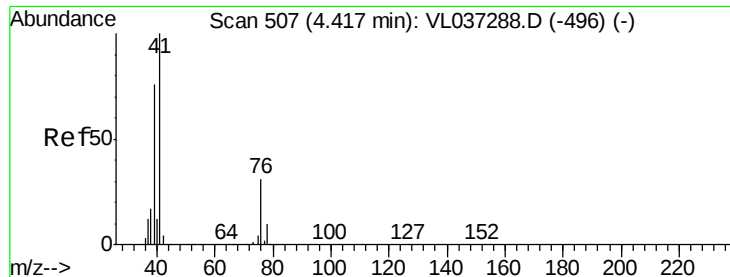
MMDadoda
8/2/2021 8:57:52 AM



#20
Methylene Chloride
Concen: 11.600 ppbv
RT: 4.34 min Scan# 482
Delta R.T. -0.01 min
Lab File: VL037294.D
Acq: 30 Jul 2021 21:13

Tgt Ion: 84 Resp: 1015606
Ion Ratio Lower Upper
84 100
49 148.7 120.2 180.4
51 43.7 36.5 54.7
86 64.4 51.3 76.9





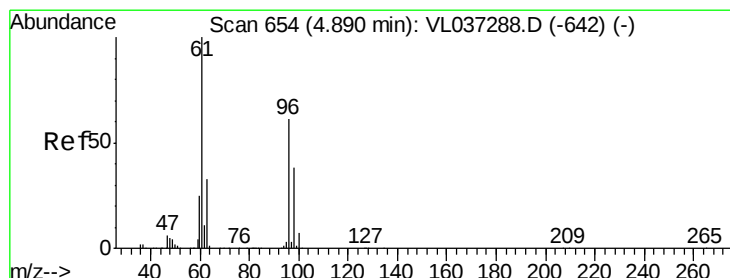
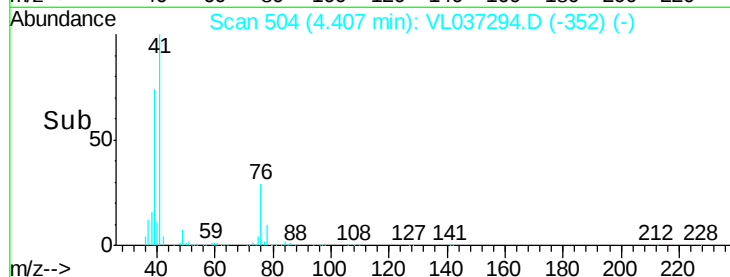
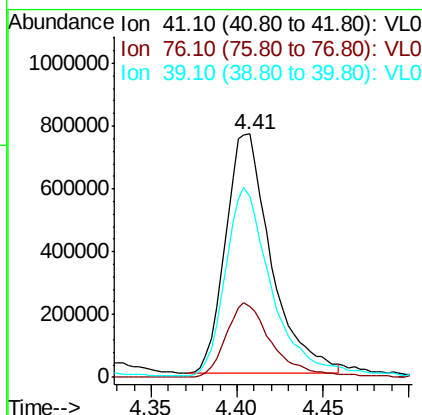
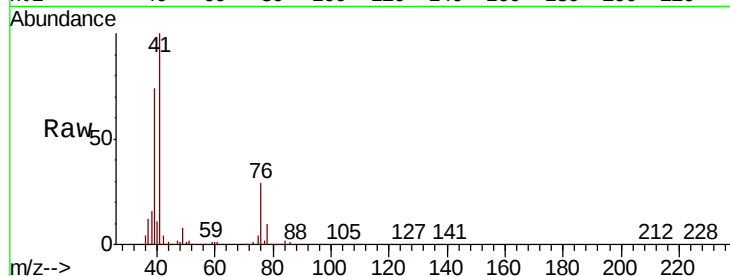
#21
Allvl Chloride
Concen: 13.564 ppbv
RT: 4.41 min Scan# 504
Delta R.T. -0.01 min
Lab File: VL037294.D
Acq: 30 Jul 2021 21:13

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tot Ion: 41 Resp: 1417833
Ion Ratio Lower Upper
41 100
76 31.8 24.7 37.1
39 80.2 64.5 96.7

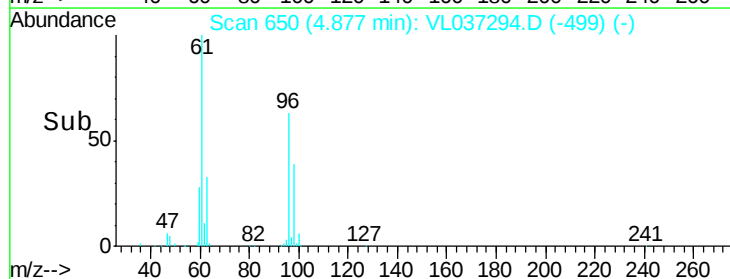
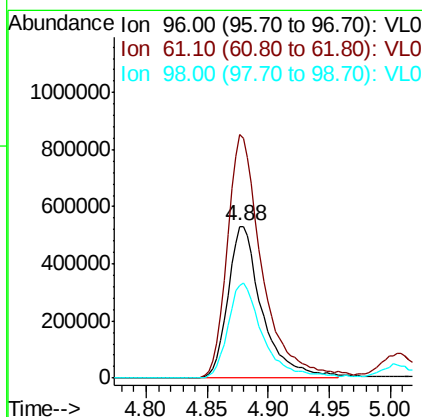
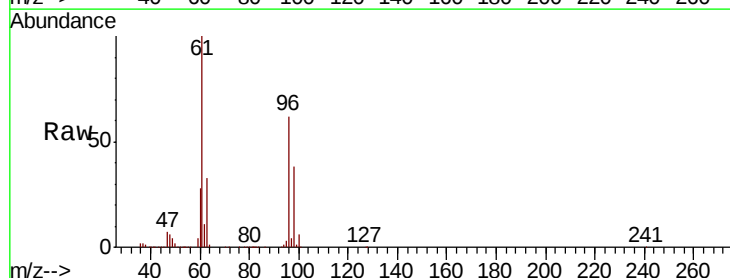
Manual Integrations
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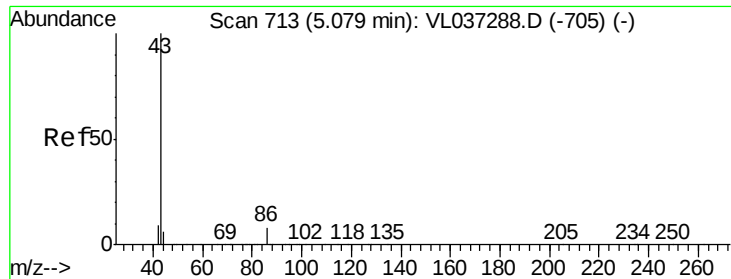
MMDadoda
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#22
trans-1,2-Dichloroethene
Concen: 14.592 ppbv
RT: 4.88 min Scan# 650
Delta R.T. -0.01 min
Lab File: VL037294.D
Acq: 30 Jul 2021 21:13

Tgt Ion: 96 Resp: 1041797
Ion Ratio Lower Upper
96 100
61 160.6 131.1 196.7
98 61.4 49.9 74.9





#23

Vinyl Acetate

Concen: 12.738 ppbv

RT: 5.07 min Scan# 709

Delta R.T. -0.01 min

Lab File: VL037294.D

Acq: 30 Jul 2021 21:13

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tot Ion: 43 Resp: 2479884

Ion Ratio Lower Upper

43 100

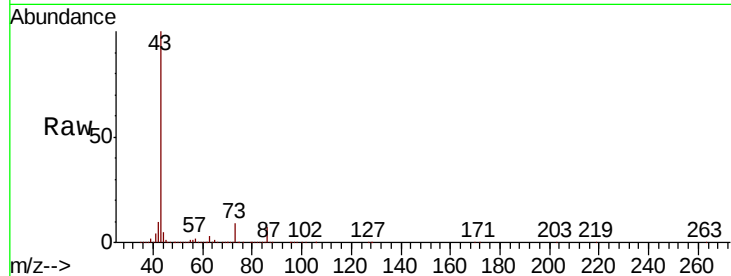
86 6.8 5.7 8.5

42 9.6 8.1 12.1

44 4.6 4.1 6.1

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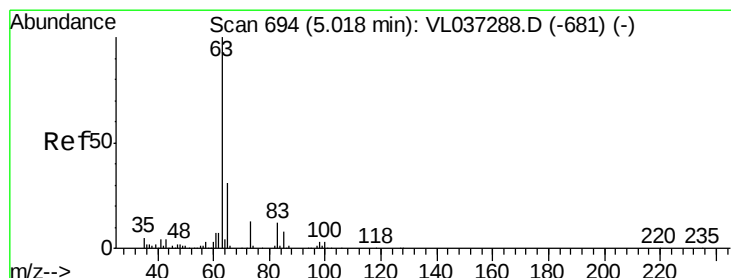
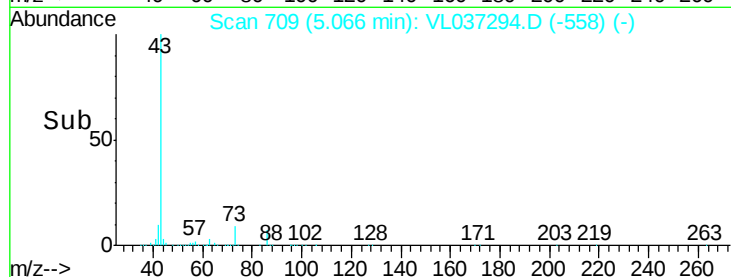
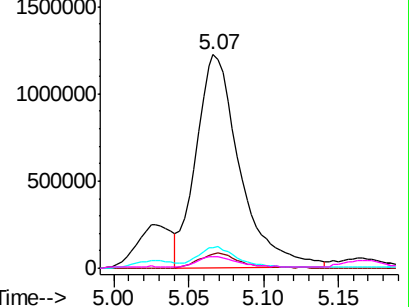


Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 86.10 (85.80 to 86.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

Ion 44.10 (43.80 to 44.80): VL0



#24

1,1-Dichloroethane

Concen: 12.784 ppbv

RT: 5.01 min Scan# 690

Delta R.T. -0.01 min

Lab File: VL037294.D

Acq: 30 Jul 2021 21:13

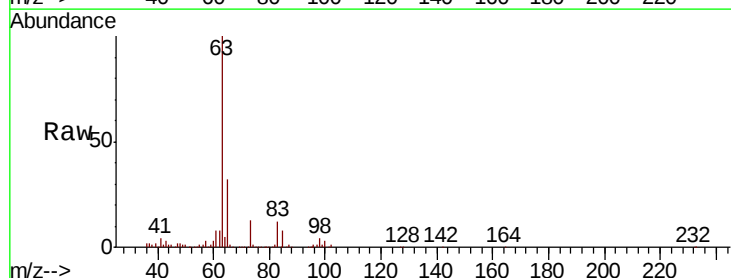
Tgt Ion: 63 Resp: 2001946

Ion Ratio Lower Upper

63 100

98 4.3 2.0 5.8

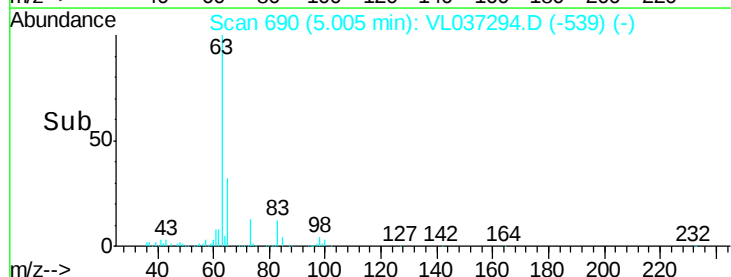
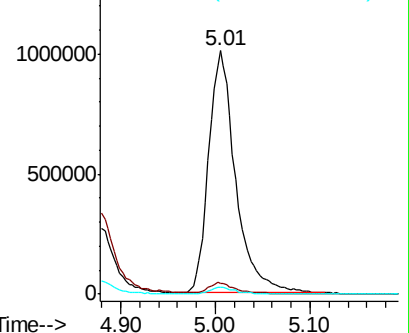
100 2.7 1.4 4.2

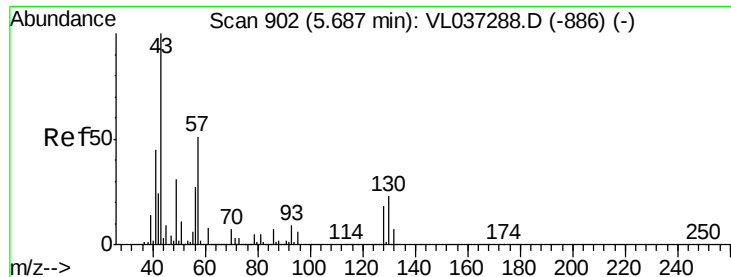


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0





#25

Ethyl Acetate

Concen: 14.825 ppbv

RT: 5.67 min Scan# 898

Delta R.T. -0.01 min

Lab File: VL037294.D

Acq: 30 Jul 2021 21:13

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tot Ion: 43 Resp: 4535673

Ion Ratio Lower Upper

43 100

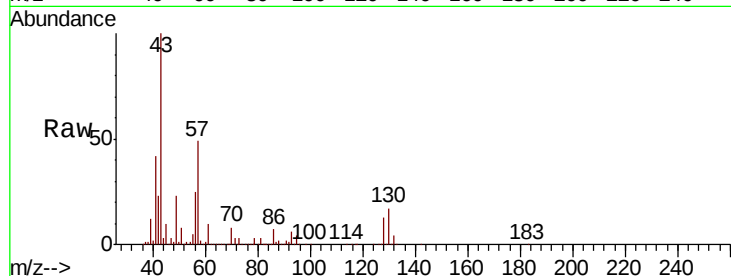
45 9.9 7.4 11.2

61 10.2 7.8 11.6

70 7.3 5.4 8.2

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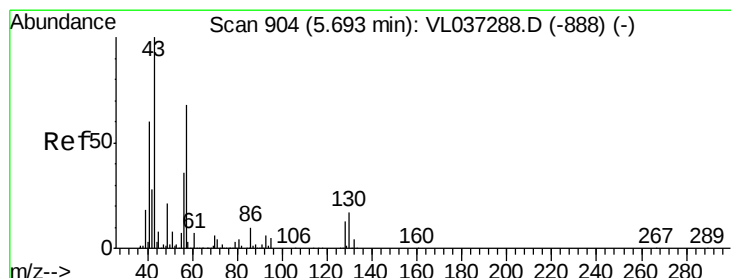
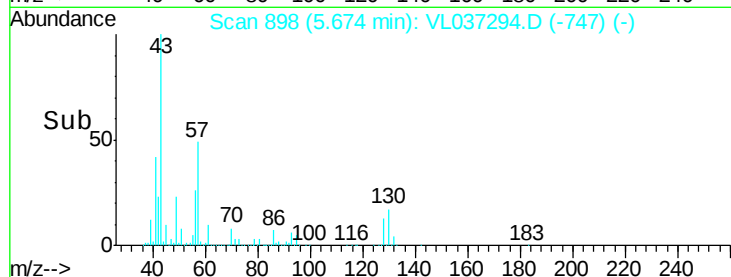
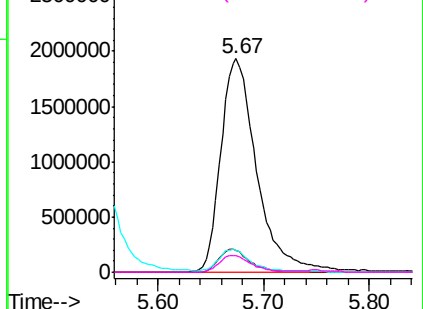
Abundance

Ion 43.10 (42.80 to 43.80): VL0

Ion 45.10 (44.80 to 45.80): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 70.10 (69.80 to 70.80): VL0



#26

Hexane

Concen: 14.931 ppbv

RT: 5.68 min Scan# 900

Delta R.T. -0.01 min

Lab File: VL037294.D

Acq: 30 Jul 2021 21:13

Tgt Ion: 57 Resp: 2343785

Ion Ratio Lower Upper

57 100

41 87.8 71.0 106.6

43 196.2 155.0 232.4

56 52.7 42.0 63.0

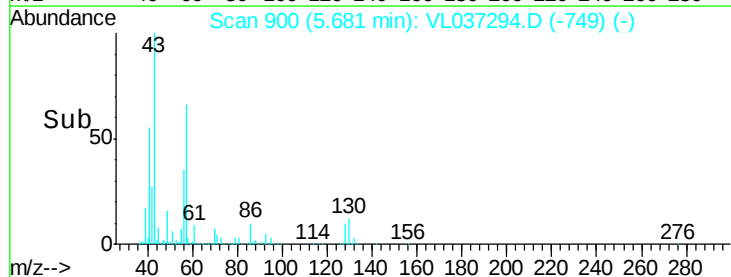
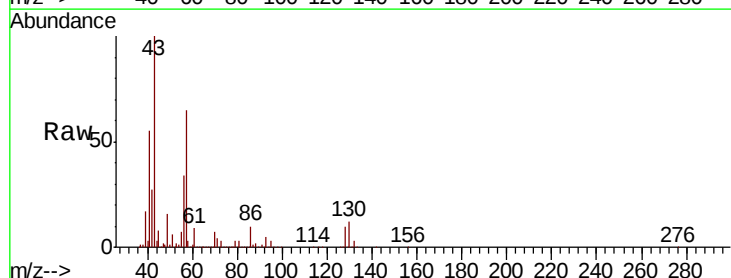
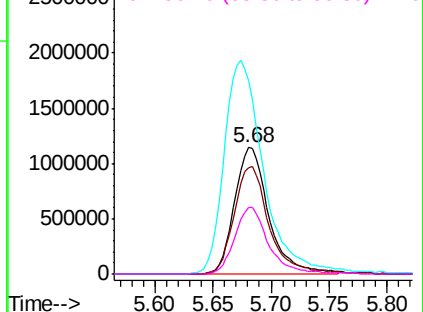
Abundance

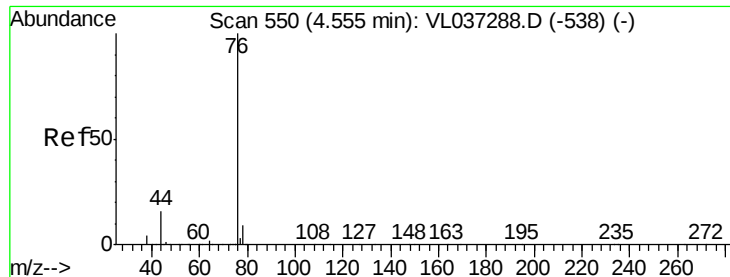
Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 56.10 (55.80 to 56.80): VL0





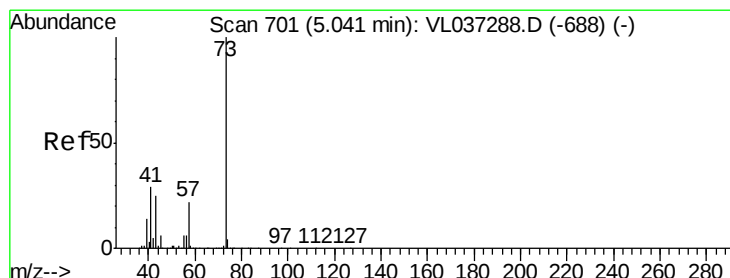
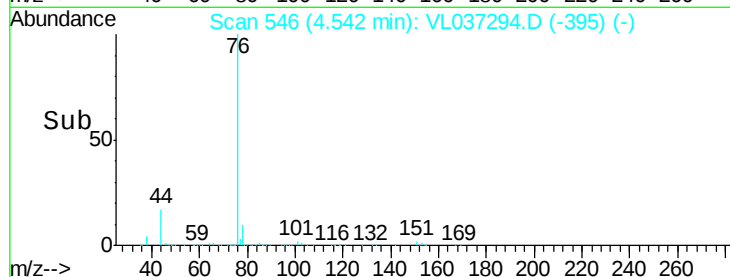
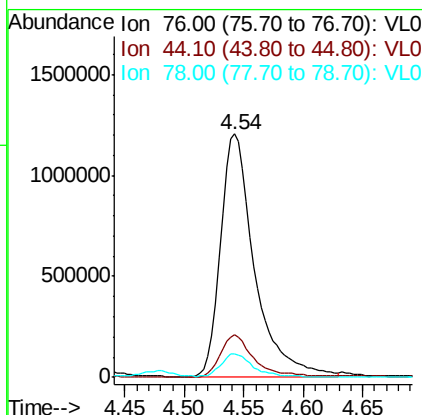
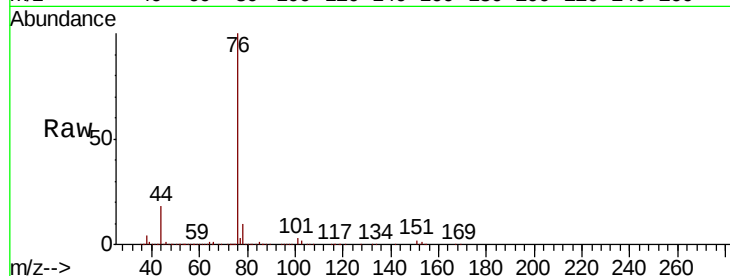
#27
Carbon Disulfide
Concen: 16.060 ppbv
RT: 4.54 min Scan# 546
Delta R.T. -0.01 min
Lab File: VL037294.D
Acq: 30 Jul 2021 21:13

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tot Ion	Ratio	Lower	Upper
76	100		
44	17.4	14.1	21.1
78	9.9	8.0	12.0

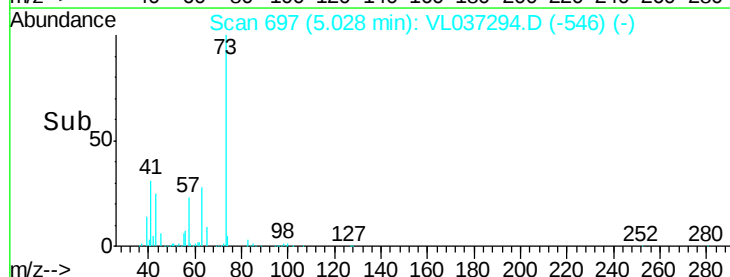
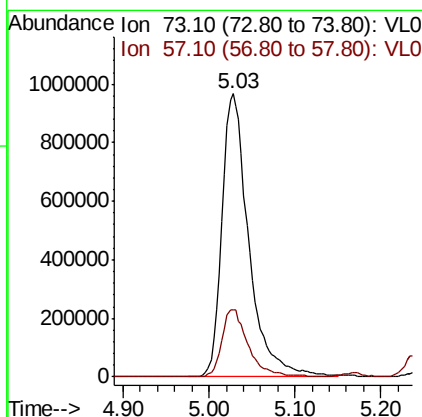
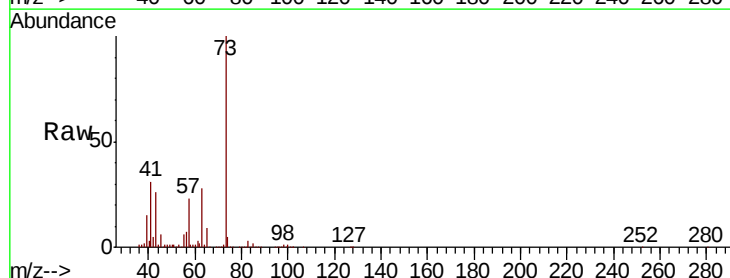
Manual Integrations
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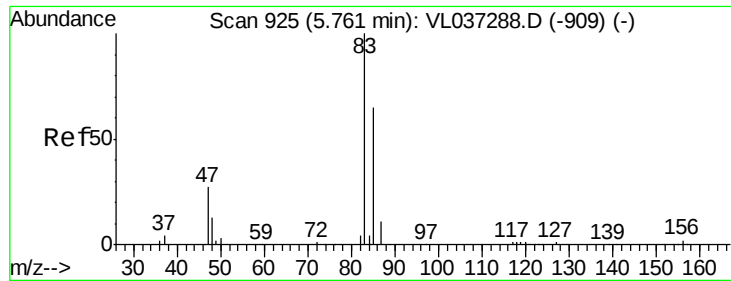
MMDadoda
8/2/2021 8:57:52 AM



#28
Methyl tert-Butyl Ether
Concen: 11.932 ppbv
RT: 5.03 min Scan# 697
Delta R.T. -0.01 min
Lab File: VL037294.D
Acq: 30 Jul 2021 21:13

Tgt Ion	Ratio	Lower	Upper
73	100		
57	23.4	19.0	28.6





#29

Chloroform

Concen: 14.317 ppbv

RT: 5.75 min Scan# 922

Delta R.T. -0.01 min

Lab File: VL037294.D

Acq: 30 Jul 2021 21:13

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tot Ion: 83 Resp: 3372133

Ion Ratio Lower Upper

83 100

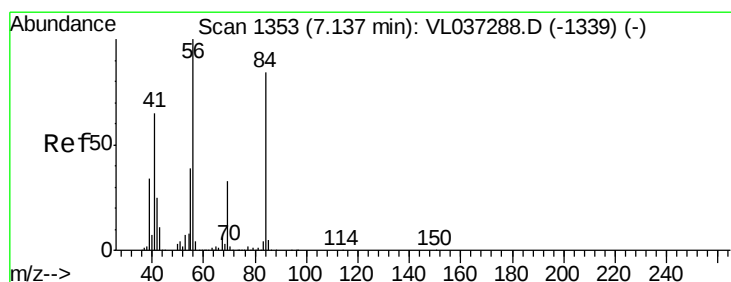
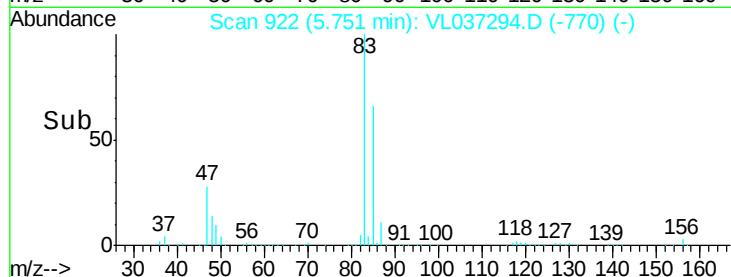
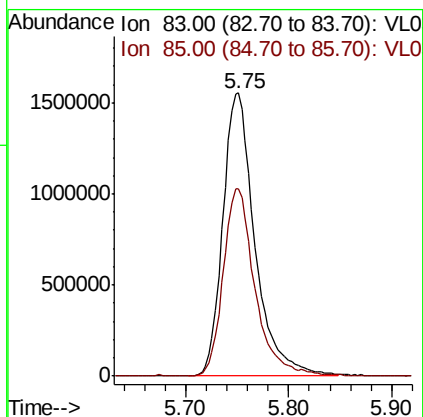
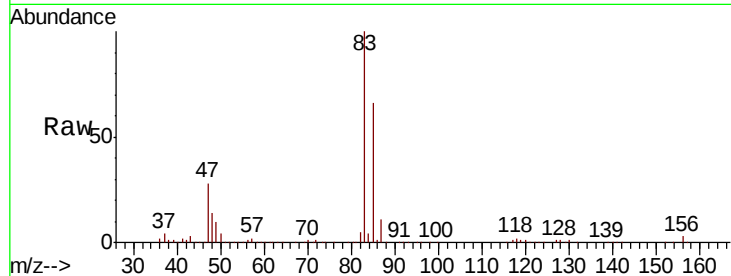
85 66.2 51.9 77.9

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#30

Cyclohexane

Concen: 15.023 ppbv

RT: 7.13 min Scan# 1350

Delta R.T. -0.01 min

Lab File: VL037294.D

Acq: 30 Jul 2021 21:13

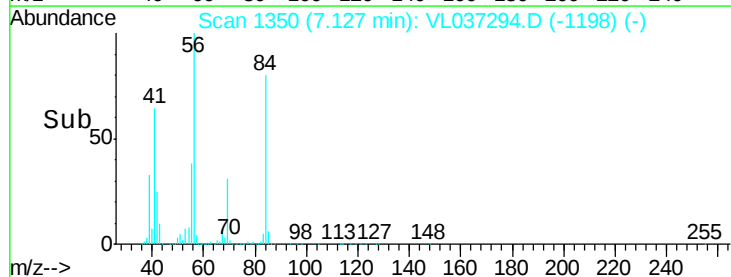
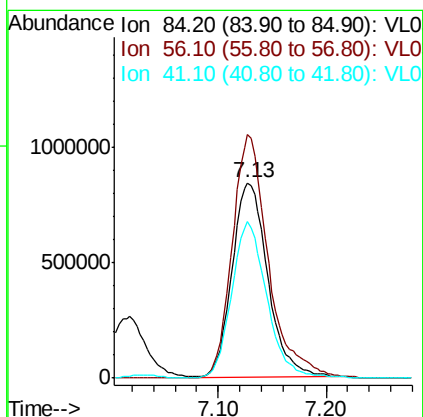
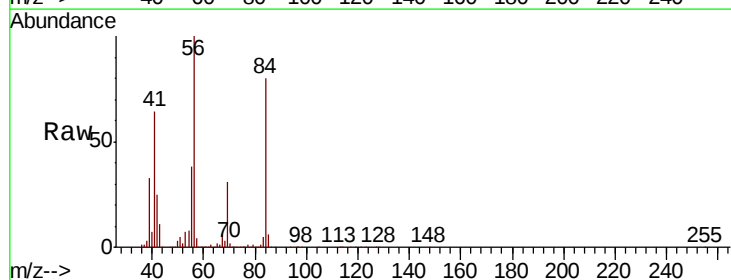
Tgt Ion: 84 Resp: 1928439

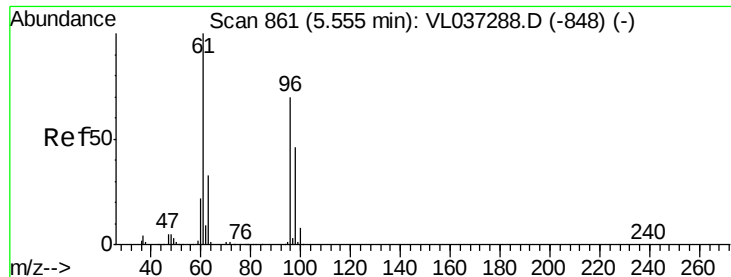
Ion Ratio Lower Upper

84 100

56 128.3 104.1 156.1

41 79.4 64.7 97.1





#31

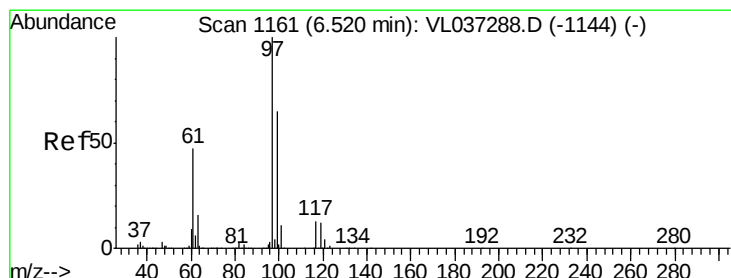
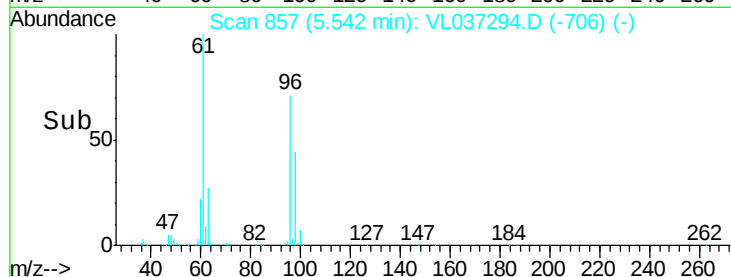
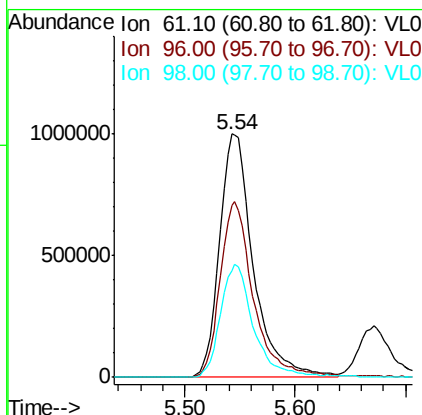
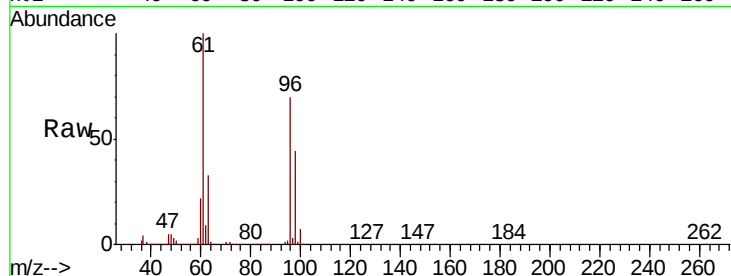
cis-1,2-Dichloroethene
 Concen: 14.959 ppbv
 RT: 5.54 min Scan# 857
 Delta R.T. -0.01 min
 Lab File: VL037294.D
 Acq: 30 Jul 2021 21:13

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

Tot Ion	Ratio	Lower	Upper
61	100		
96	70.5	55.9	83.9
98	43.6	37.1	55.7

Manual Integrations
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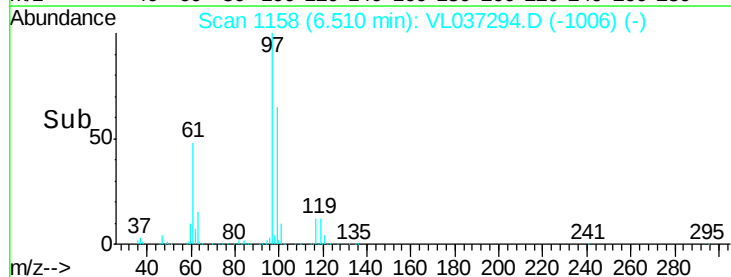
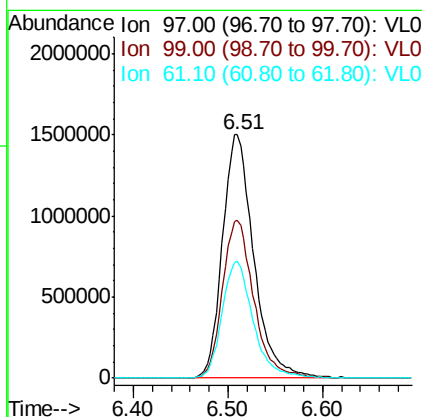
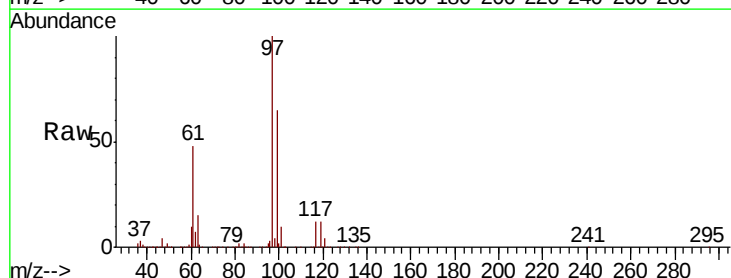
MMDadoda
 8/2/2021 8:57:52 AM

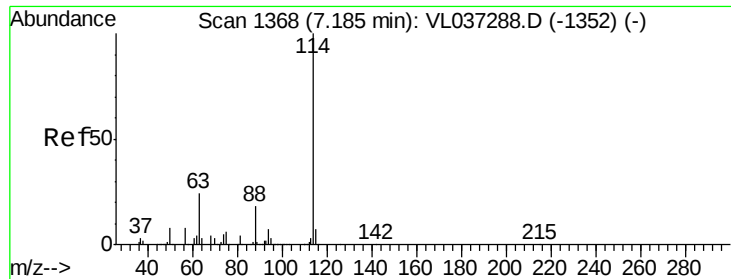


#32

1,1,1-Trichloroethane
 Concen: 13.724 ppbv
 RT: 6.51 min Scan# 1158
 Delta R.T. -0.01 min
 Lab File: VL037294.D
 Acq: 30 Jul 2021 21:13

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.3	52.5	78.7
61	47.7	38.2	57.4





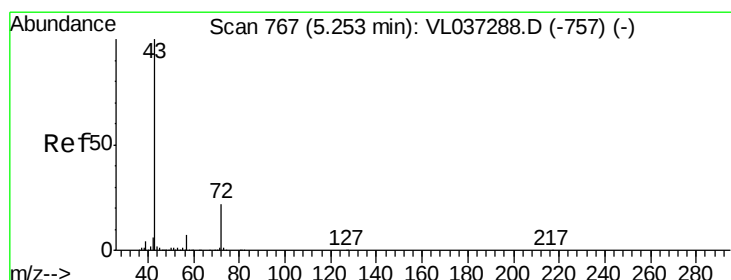
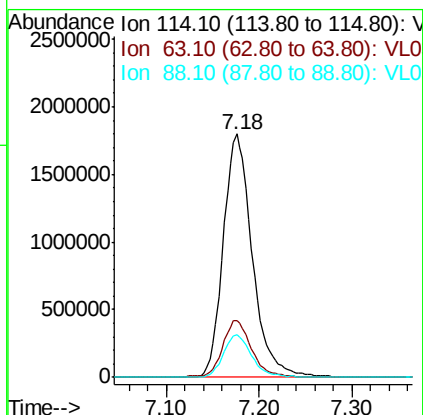
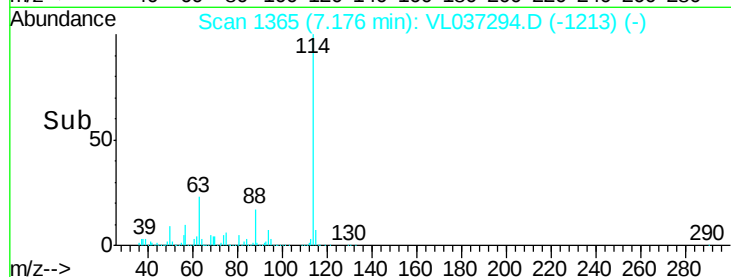
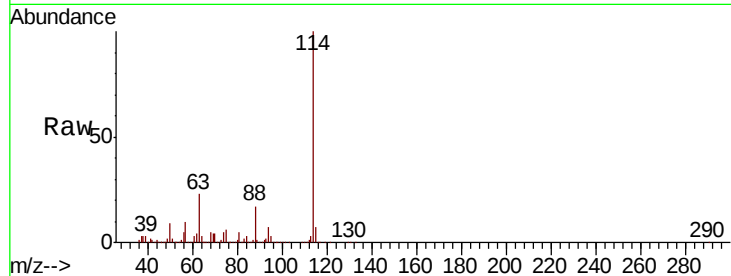
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.18 min Scan# 1365
 Delta R.T. -0.01 min
 Lab File: VL037294.D
 Acq: 30 Jul 2021 21:13

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

Tot Ion	Ratio	Lower	Upper
114	100		
63	23.7	19.0	28.4
88	17.2	14.0	21.0

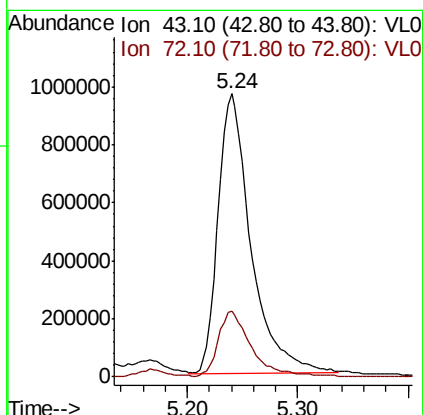
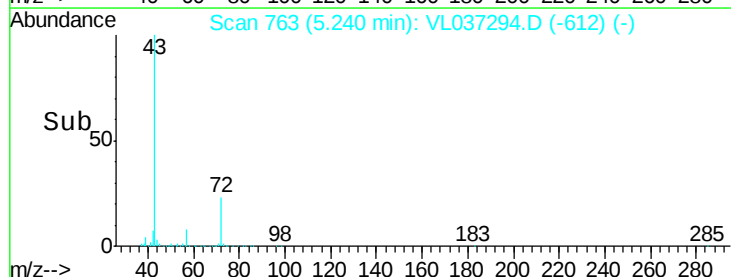
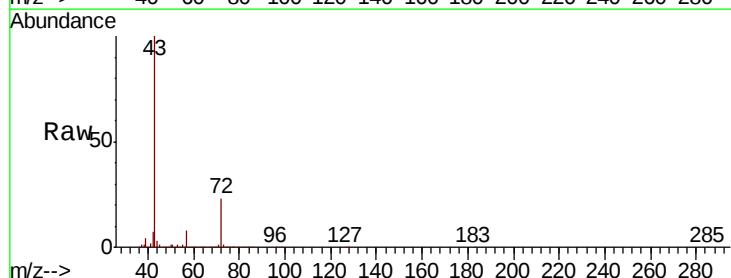
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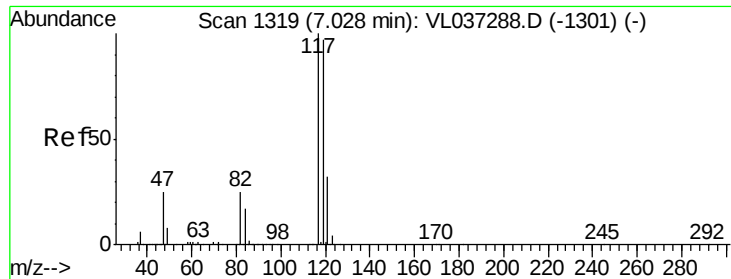
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#34
 2-Butanone
 Concen: 13.074 ppbv
 RT: 5.24 min Scan# 763
 Delta R.T. -0.01 min
 Lab File: VL037294.D
 Acq: 30 Jul 2021 21:13

Tgt Ion	Ratio	Lower	Upper
43	100		
72	23.8	18.5	27.7





#35

Carbon Tetrachloride

Concen: 14.086 ppbv

RT: 7.02 min Scan# 1316

Delta R.T. -0.01 min

Lab File: VL037294.D

Acq: 30 Jul 2021 21:13

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tot Ion:117 Resp: 3661286

Ion Ratio Lower Upper

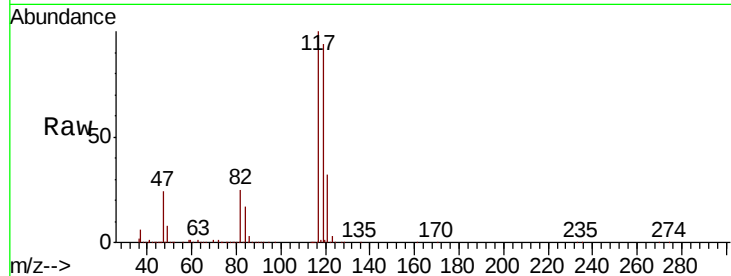
117 100

119 94.5 77.4 116.2

121 32.1 25.8 38.8

Manual Integrations
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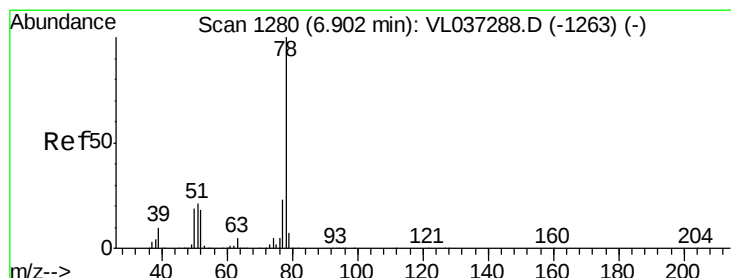
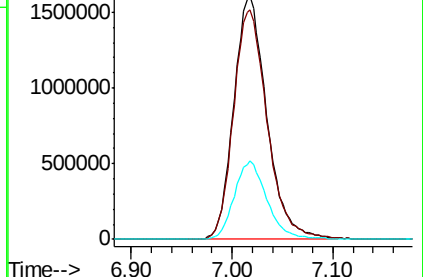
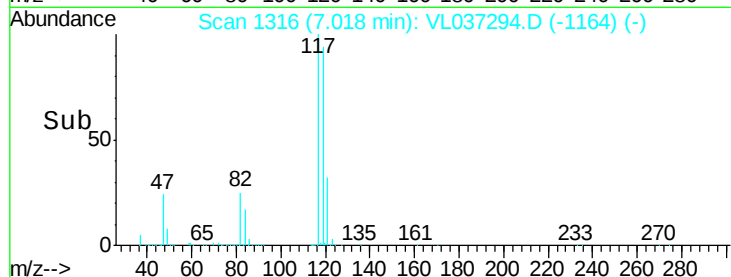
MMDadoda
8/2/2021 8:57:52 AM



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#36

Benzene

Concen: 14.443 ppbv

RT: 6.89 min Scan# 1276

Delta R.T. -0.01 min

Lab File: VL037294.D

Acq: 30 Jul 2021 21:13

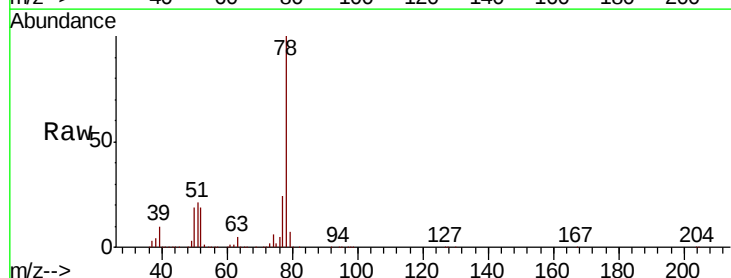
Tgt Ion: 78 Resp: 4582427

Ion Ratio Lower Upper

78 100

77 23.9 18.3 27.5

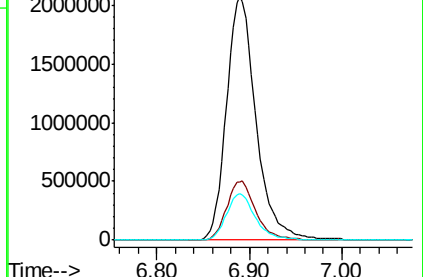
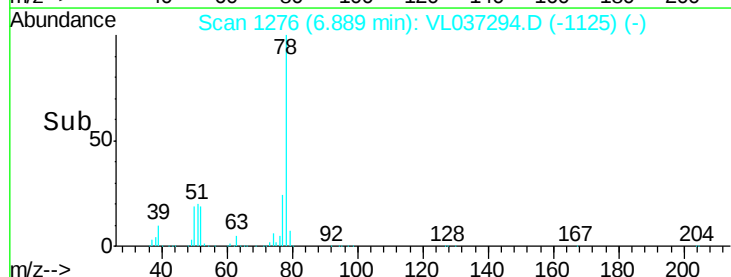
50 18.9 15.5 23.3

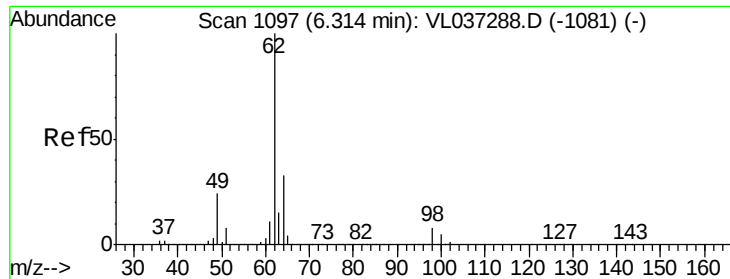


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0





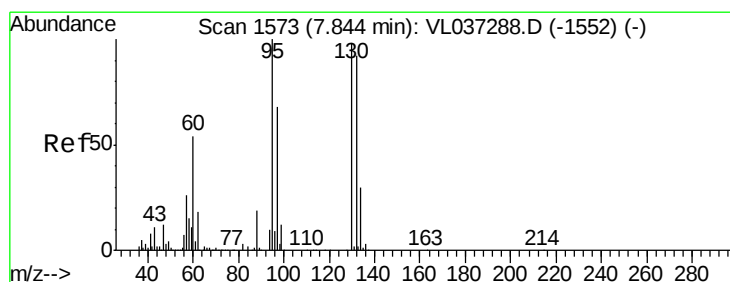
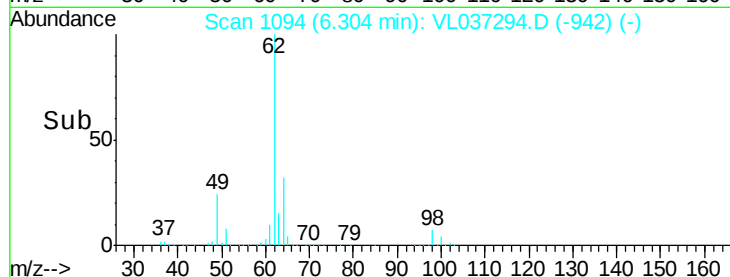
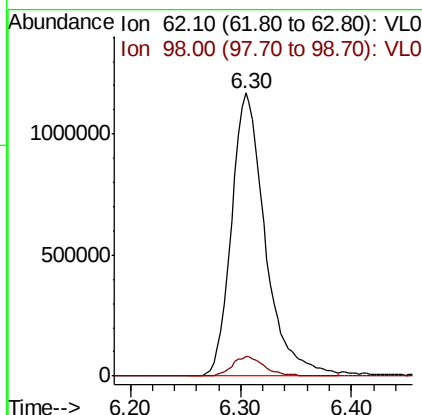
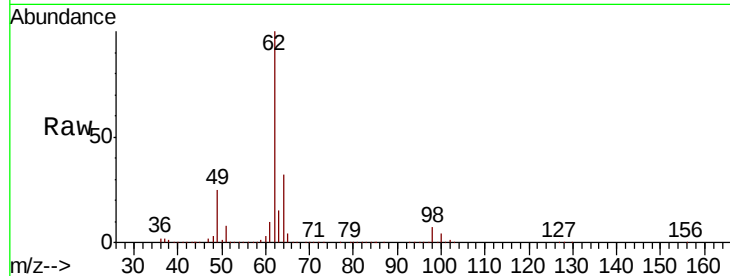
#37
 1,2-Dichloroethane
 Concen: 13.668 ppbv
 RT: 6.30 min Scan# 1094
 Delta R.T. -0.01 min
 Lab File: VL037294.D
 Acq: 30 Jul 2021 21:13

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

Tot Ion	Ratio	Lower	Upper
62	100		
98	6.9	5.8	8.6

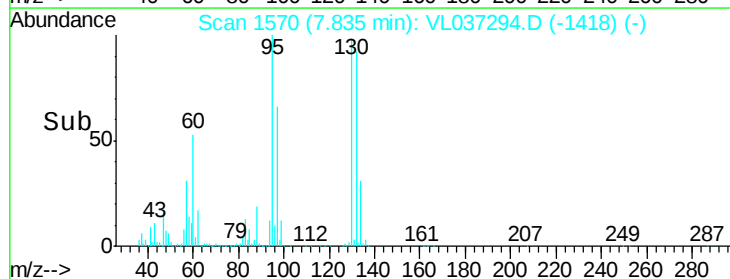
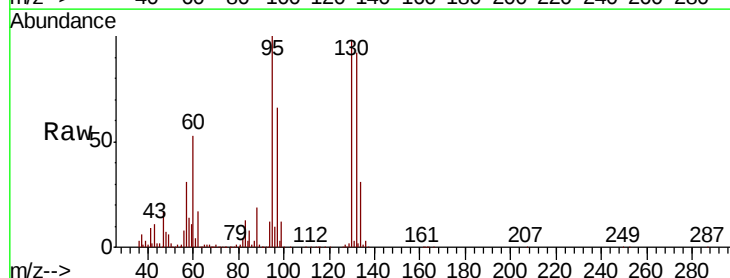
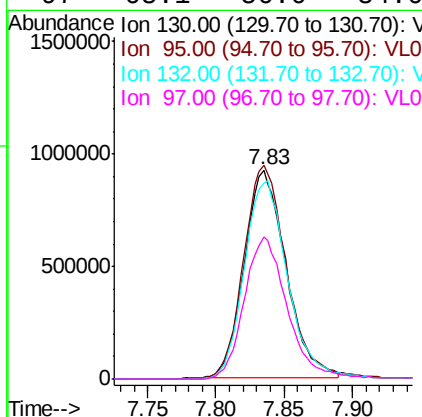
Manual Integrations
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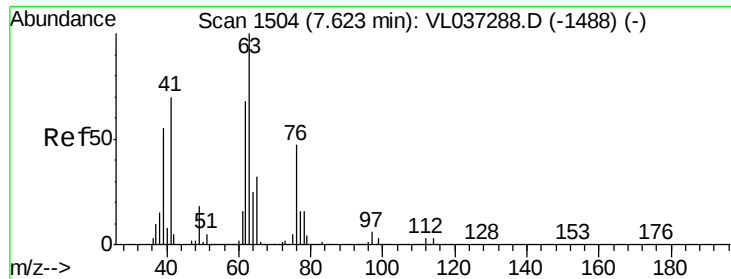
MMDadoda
 8/2/2021 8:57:52 AM



#38
 Trichloroethene
 Concen: 12.998 ppbv
 RT: 7.83 min Scan# 1570
 Delta R.T. -0.01 min
 Lab File: VL037294.D
 Acq: 30 Jul 2021 21:13

Tgt Ion	Ratio	Lower	Upper
130	100		
95	102.5	82.0	123.0
132	93.8	75.0	112.6
97	68.1	56.0	84.0





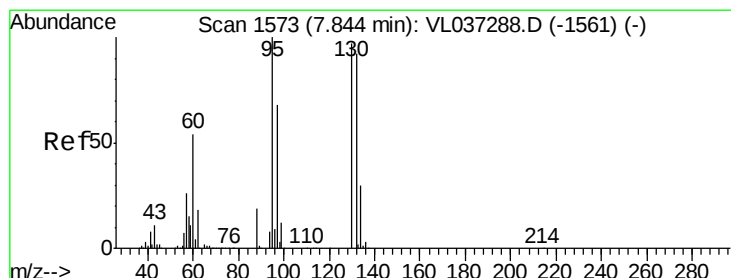
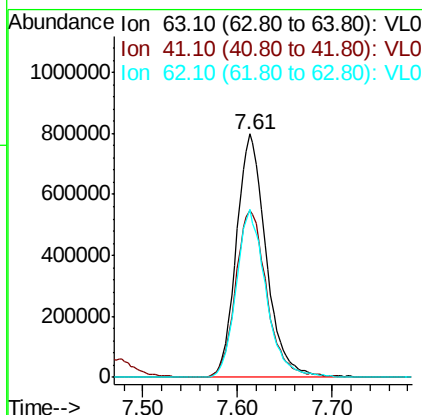
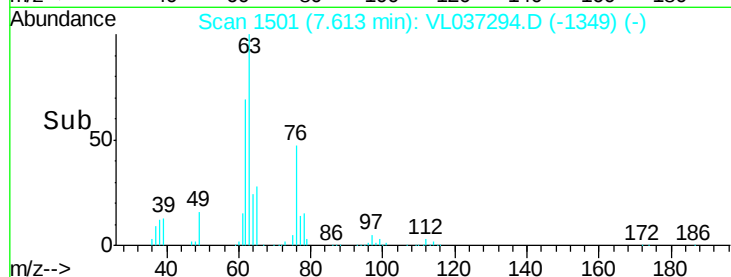
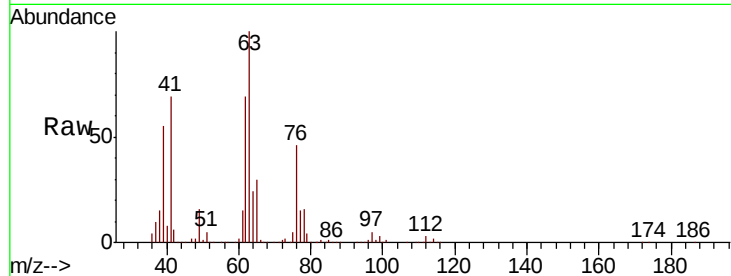
#39
 1,2-Dichloropropane
 Concen: 14.805 ppbv
 RT: 7.61 min Scan# 1501
 Delta R.T. -0.01 min
 Lab File: VL037294.D
 Acq: 30 Jul 2021 21:13

Instrument :
 MSVOA_L
 ClientSampleID :
 VSTDIC015

Tot Ion	Ratio	Lower	Upper
63	100		
41	68.5	56.4	84.6
62	68.8	54.6	82.0

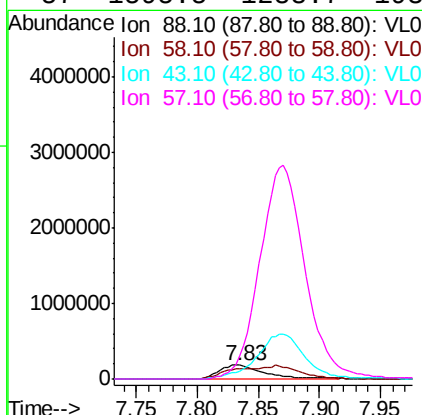
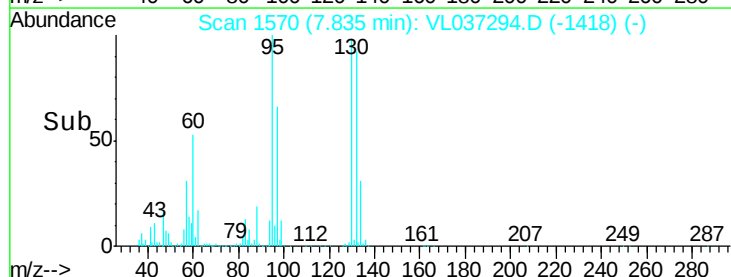
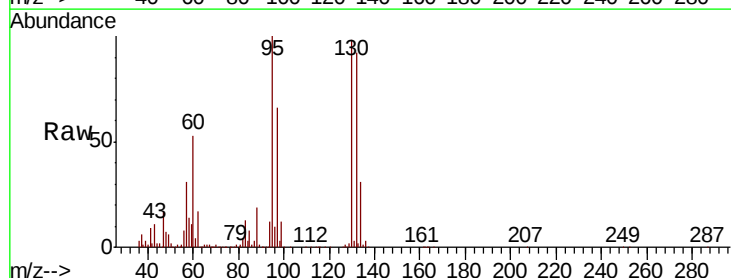
Manual Integrations
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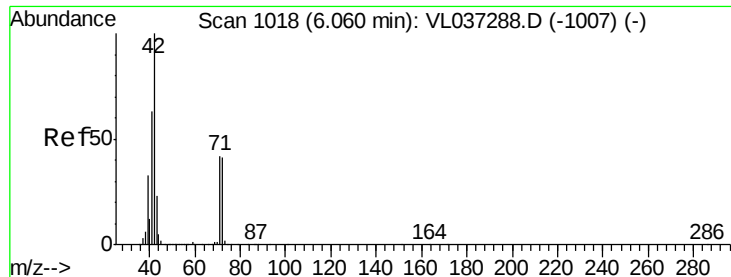
MMDadoda
 8/2/2021 8:57:52 AM



#40
 1,4-Dioxane
 Concen: 14.376 ppbv
 RT: 7.83 min Scan# 1570
 Delta R.T. -0.01 min
 Lab File: VL037294.D
 Acq: 30 Jul 2021 21:13

Tgt Ion	Ratio	Lower	Upper
88	100		
58	146.9	119.2	178.8
43	357.2	282.2	423.2
57	1595.5	1288.7	1933.1





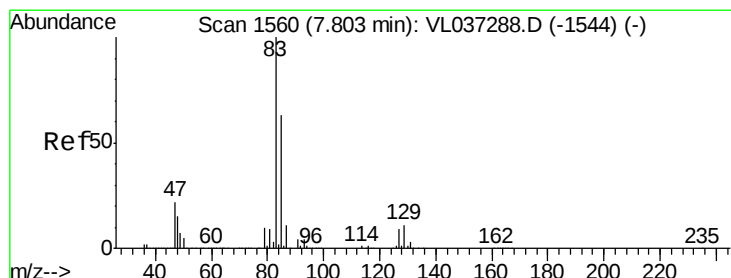
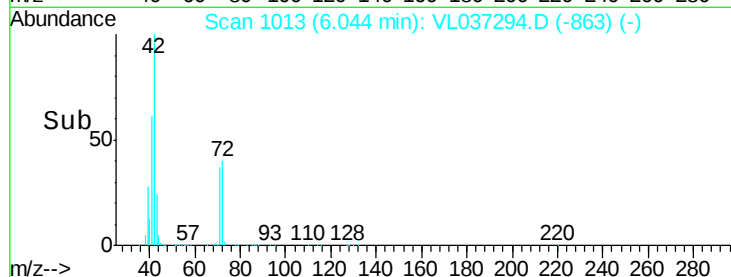
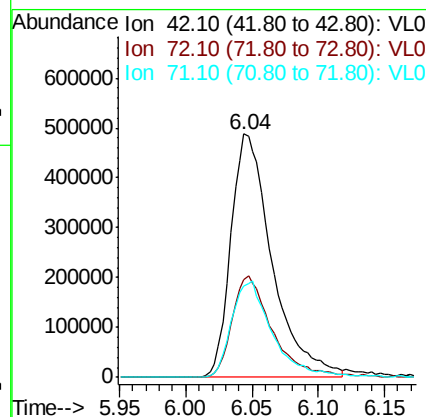
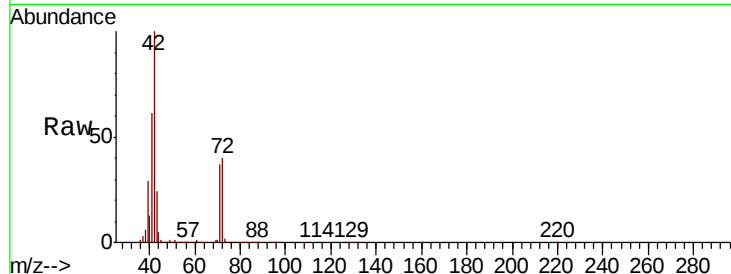
#41
Tetrahydrofuran
Concen: 14.860 ppbv
RT: 6.04 min Scan# 1013
Delta R.T. -0.02 min
Lab File: VL037294.D
Acq: 30 Jul 2021 21:13

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tot Ion: 42 Resp: 1049913
Ion Ratio Lower Upper
42 100
72 41.5 33.0 49.6
71 39.7 32.7 49.1

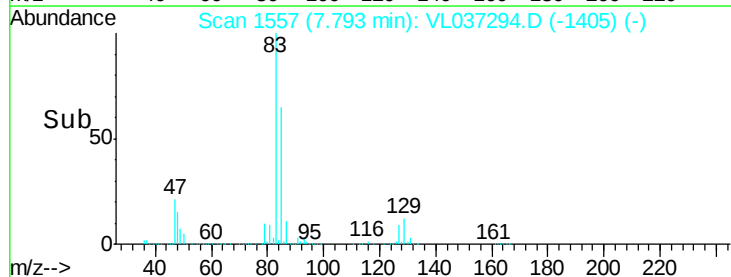
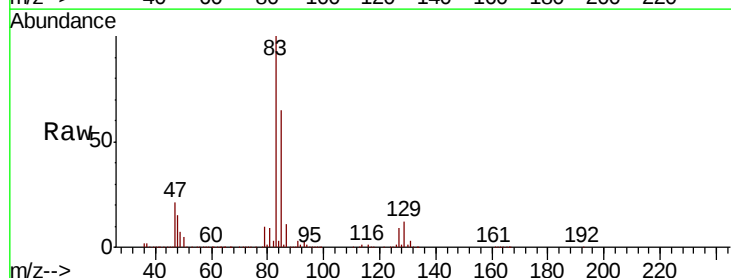
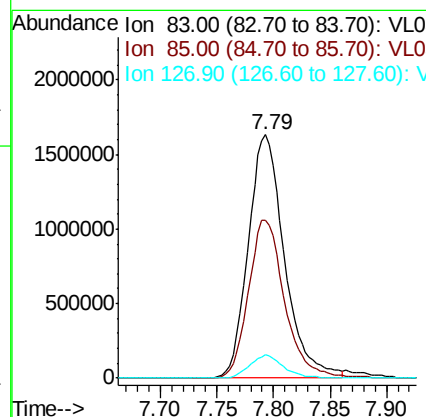
Manual Integrations
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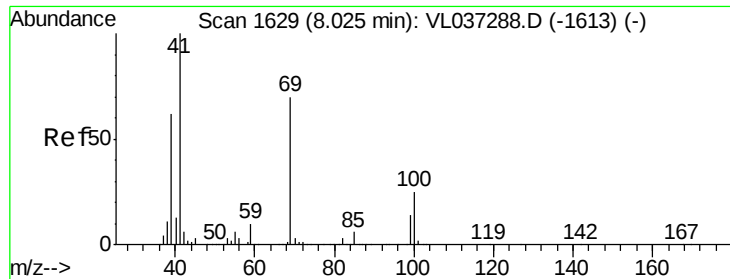
MMDadoda
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#42
Bromodichloromethane
Concen: 14.471 ppbv
RT: 7.79 min Scan# 1557
Delta R.T. -0.01 min
Lab File: VL037294.D
Acq: 30 Jul 2021 21:13

Tgt Ion: 83 Resp: 3631287
Ion Ratio Lower Upper
83 100
85 64.8 50.5 75.7
127 9.4 7.0 10.6





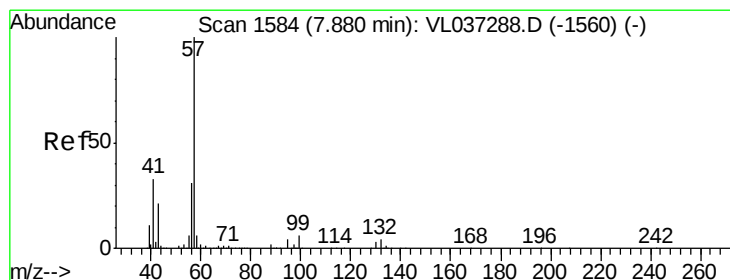
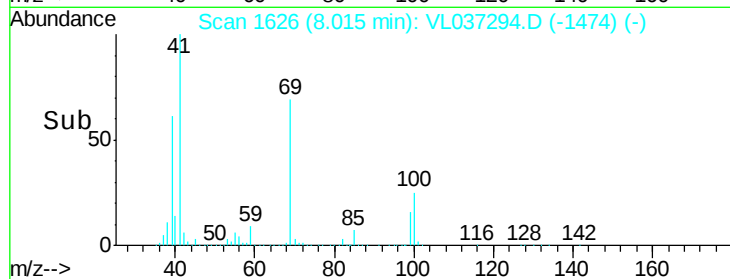
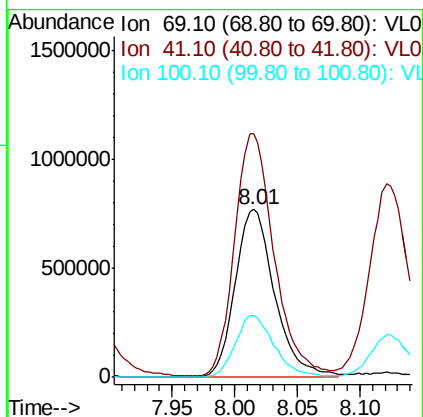
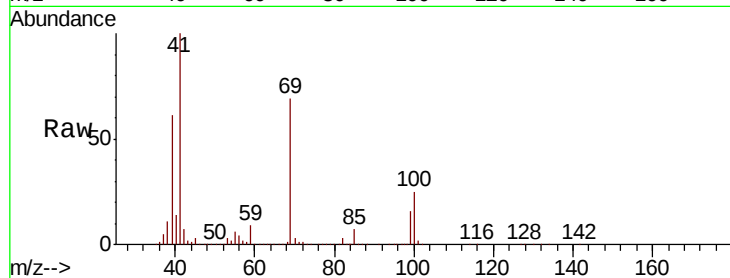
#43
Methvl Methacrilate
Concen: 15.525 ppbv
RT: 8.01 min Scan# 1626
Delta R.T. -0.01 min
Lab File: VL037294.D
Acq: 30 Jul 2021 21:13

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tot Ion: 69 Resp: 1693020
Ion Ratio Lower Upper
69 100
41 145.8 116.5 174.7
100 36.3 28.7 43.1

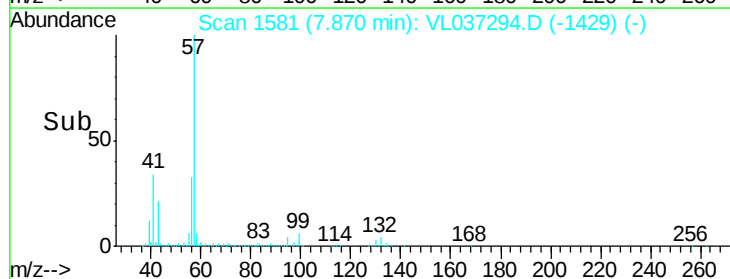
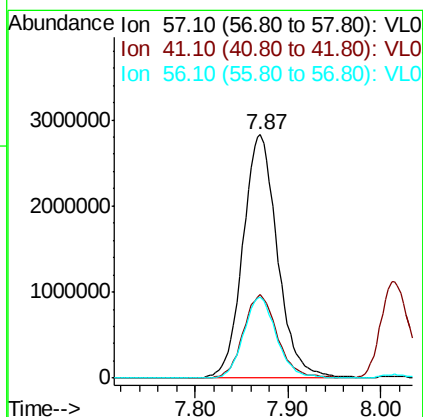
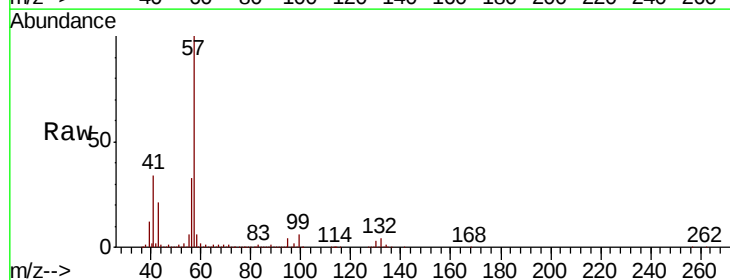
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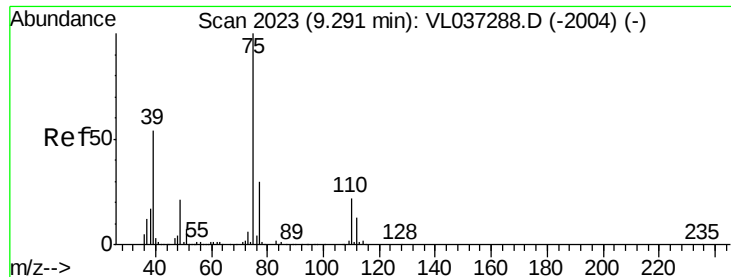
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#44
2,2,4-Trimethylpentane
Concen: 13.708 ppbv
RT: 7.87 min Scan# 1581
Delta R.T. -0.01 min
Lab File: VL037294.D
Acq: 30 Jul 2021 21:13

Tgt Ion: 57 Resp: 7302854
Ion Ratio Lower Upper
57 100
41 33.6 26.6 40.0
56 31.8 25.3 37.9





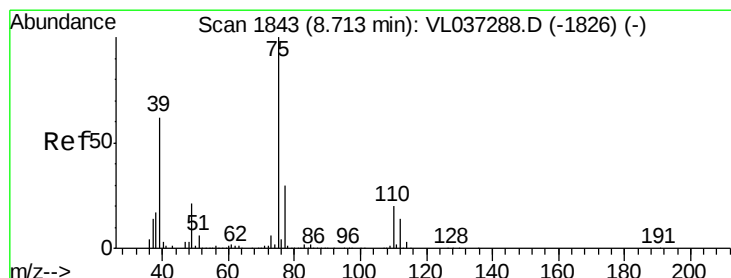
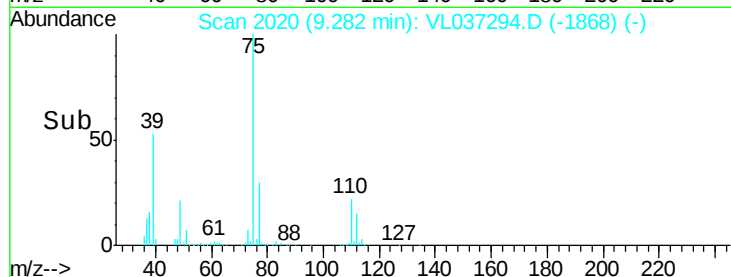
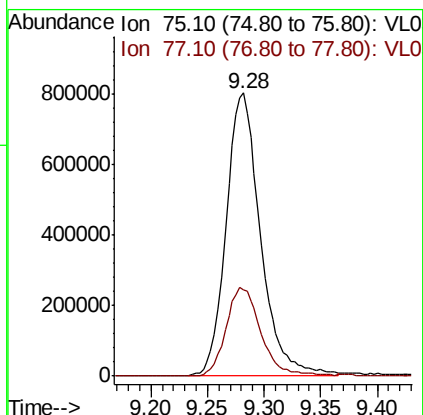
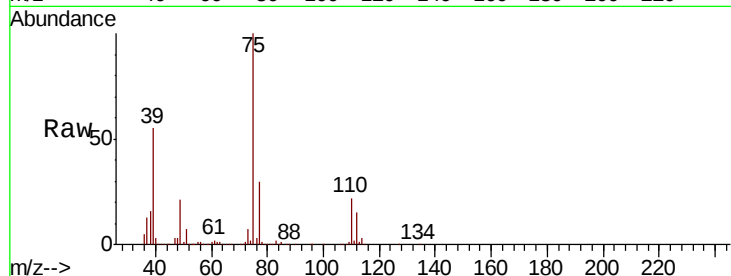
#45
 t-1,3-Dichloropropene
 Concen: 17.833 ppbv
 RT: 9.28 min Scan# 2020
 Delta R.T. -0.01 min
 Lab File: VL037294.D
 Acq: 30 Jul 2021 21:13

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

Tot Ion: 75 Resp: 1692955
 Ion Ratio Lower Upper
 75 100
 77 30.4 24.3 36.5

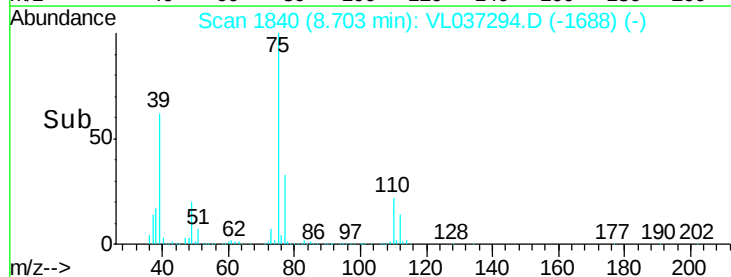
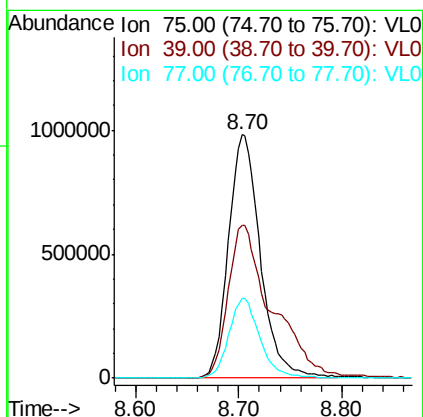
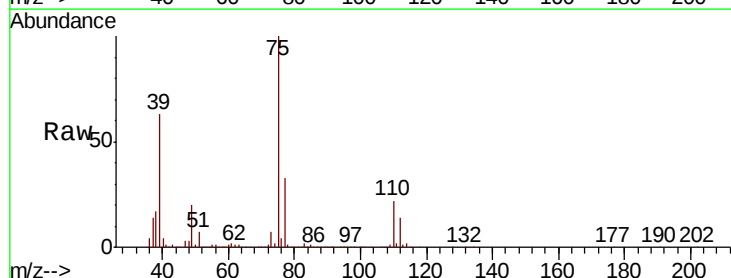
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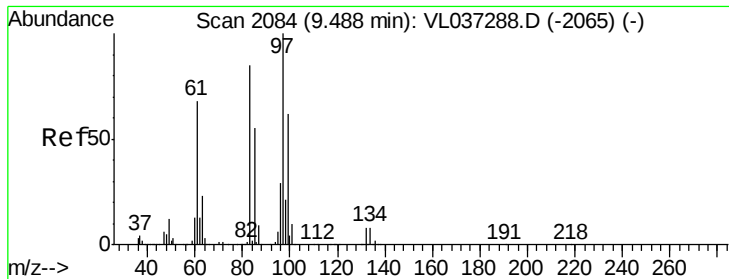
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#46
 cis-1,3-Dichloropropene
 Concen: 16.266 ppbv
 RT: 8.70 min Scan# 1840
 Delta R.T. -0.01 min
 Lab File: VL037294.D
 Acq: 30 Jul 2021 21:13

Tgt Ion: 75 Resp: 2119237
 Ion Ratio Lower Upper
 75 100
 39 62.6 49.8 74.6
 77 33.0 24.3 36.5





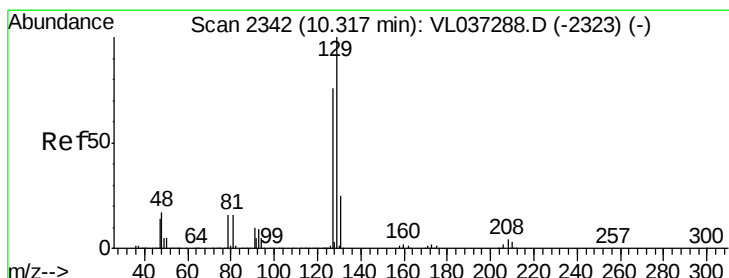
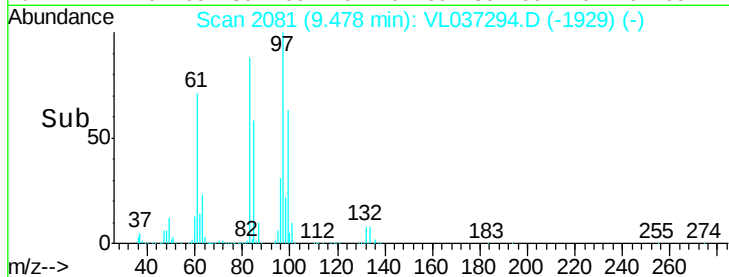
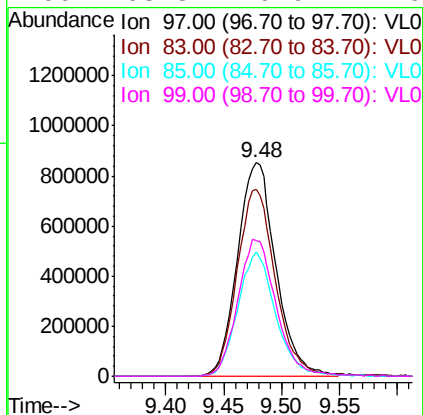
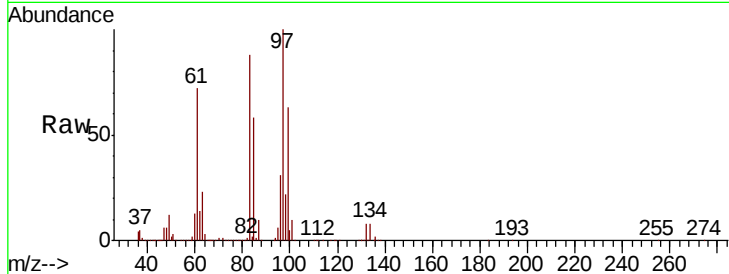
#47
 1,1,2-Trichloroethane
 Concen: 14.589 ppbv
 RT: 9.48 min Scan# 2081
 Delta R.T. -0.01 min
 Lab File: VL037294.D
 Acq: 30 Jul 2021 21:13

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

Tot Ion	Ratio	Lower	Upper
97	100		
83	87.5	67.7	101.5
85	57.9	43.8	65.6
99	63.3	49.9	74.9

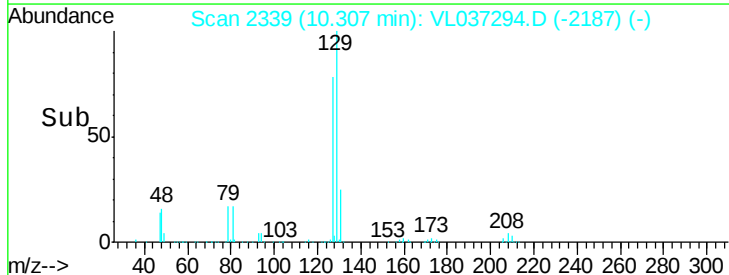
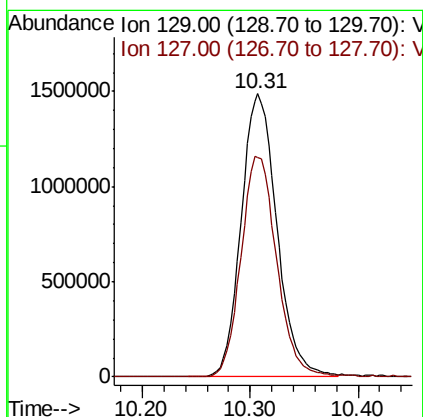
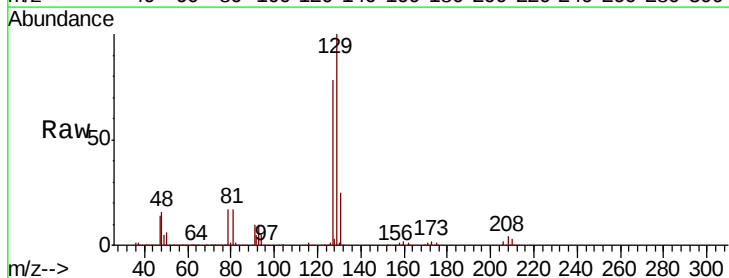
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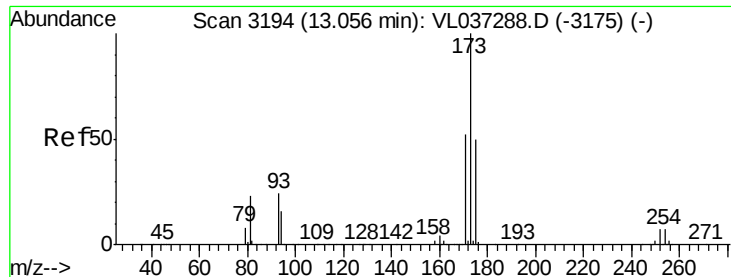
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#48
 Dibromochloromethane
 Concen: 16.184 ppbv
 RT: 10.31 min Scan# 2339
 Delta R.T. -0.01 min
 Lab File: VL037294.D
 Acq: 30 Jul 2021 21:13

Tgt Ion	Ratio	Lower	Upper
129	100		
127	78.7	39.5	118.3





#49

Bromoform

Concen: 18.472 ppbv

RT: 13.05 min Scan# 3191

Delta R.T. -0.01 min

Lab File: VL037294.D

Acq: 30 Jul 2021 21:13

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tot Ion:173 Resp: 2950223

Ion Ratio Lower Upper

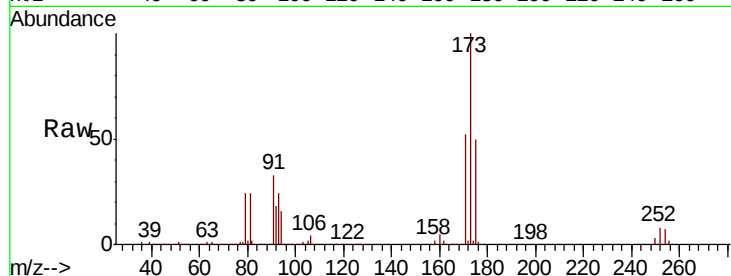
173 100

175 50.7 40.4 60.6

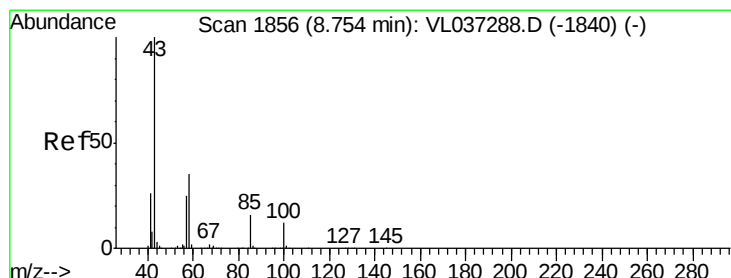
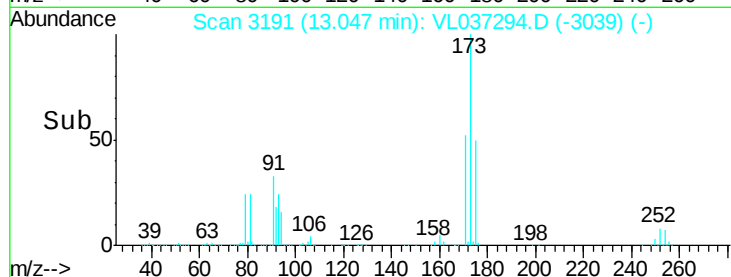
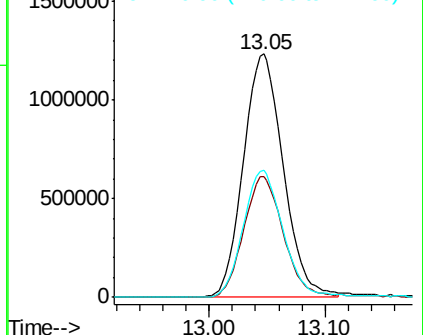
171 52.9 43.3 64.9

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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: 14.825 ppbv

RT: 8.74 min Scan# 1852

Delta R.T. -0.01 min

Lab File: VL037294.D

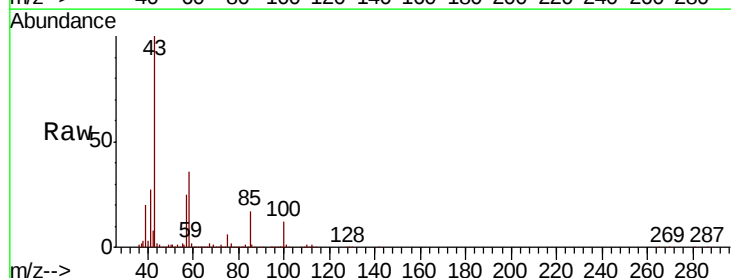
Acq: 30 Jul 2021 21:13

Tgt Ion: 43 Resp: 3067675

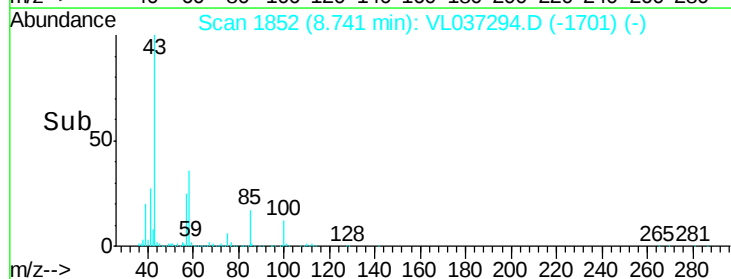
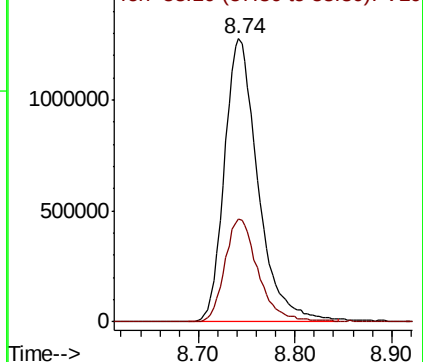
Ion Ratio Lower Upper

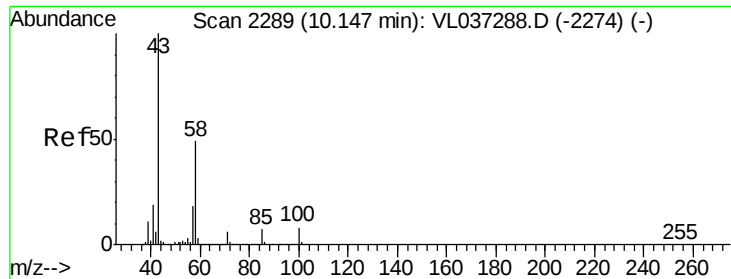
43 100

58 36.6 29.2 43.8



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





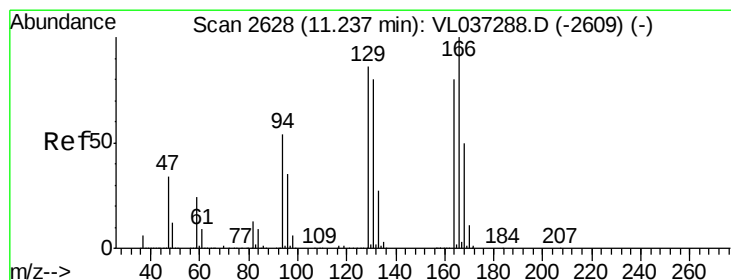
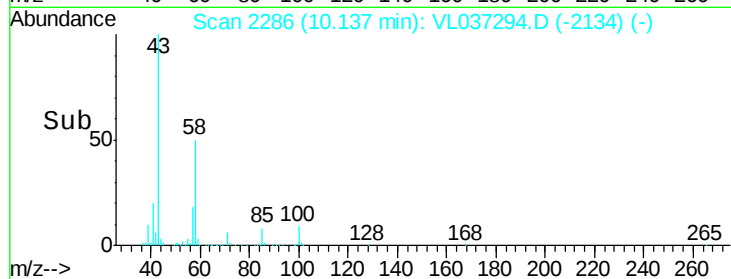
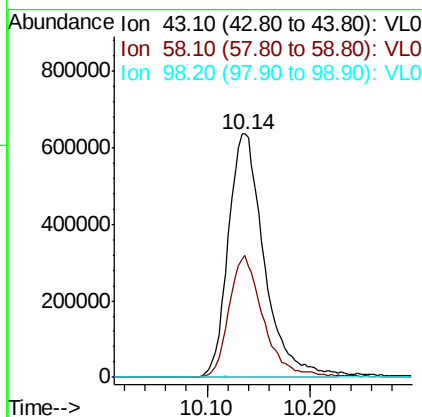
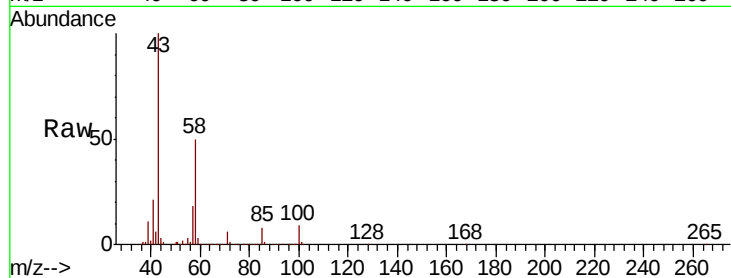
#51
2-Hexanone
Concen: 15.322 ppbv
RT: 10.14 min Scan# 2286
Delta R.T. -0.01 min
Lab File: VL037294.D
Acq: 30 Jul 2021 21:13

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tot Ion	Ratio	Lower	Upper
43	100		
58	48.3	39.0	58.4
98	0.6	0.4	0.6

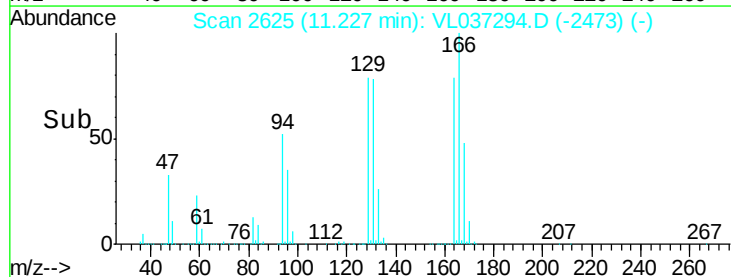
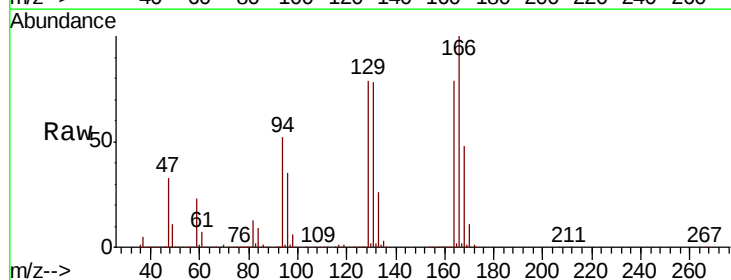
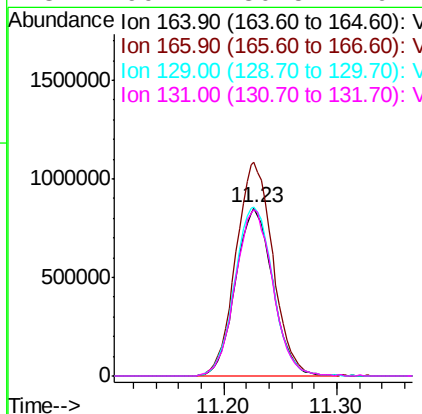
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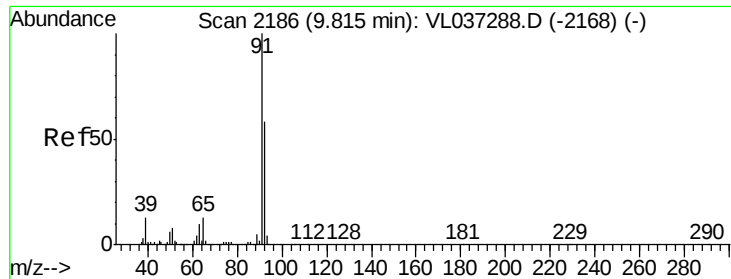
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#52
Tetrachloroethene
Concen: 13.226 ppbv
RT: 11.23 min Scan# 2625
Delta R.T. -0.01 min
Lab File: VL037294.D
Acq: 30 Jul 2021 21:13

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.3	100.4	150.6
129	101.0	86.2	129.4
131	99.1	80.5	120.7





#53

Toluene

Concen: 14.565 ppbv

RT: 9.81 min Scan# 2184

Delta R.T. -0.01 min

Lab File: VL037294.D

Acq: 30 Jul 2021 21:13

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tot Ion: 91 Resp: 5533804

Ion Ratio Lower Upper

91 100

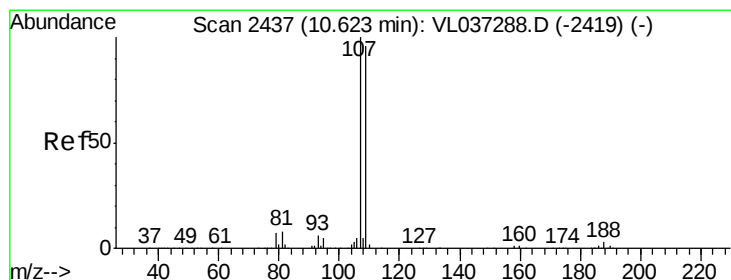
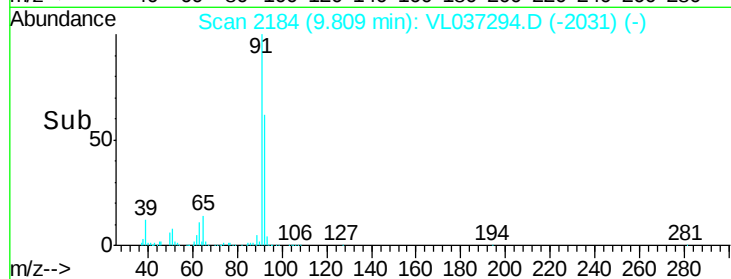
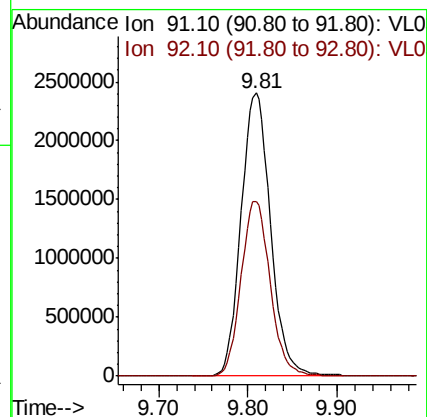
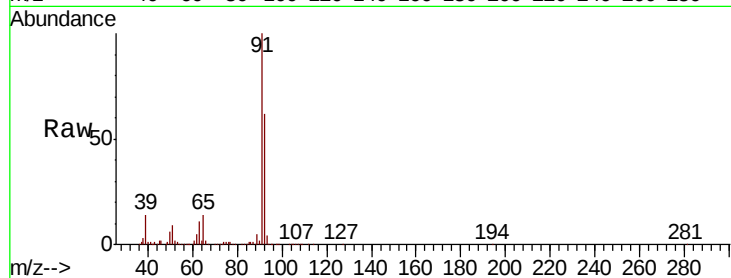
92 61.2 48.2 72.2

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#54

1,2-Dibromoethane

Concen: 15.292 ppbv

RT: 10.62 min Scan# 2435

Delta R.T. -0.01 min

Lab File: VL037294.D

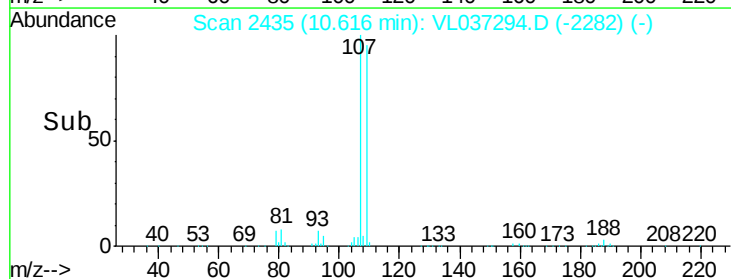
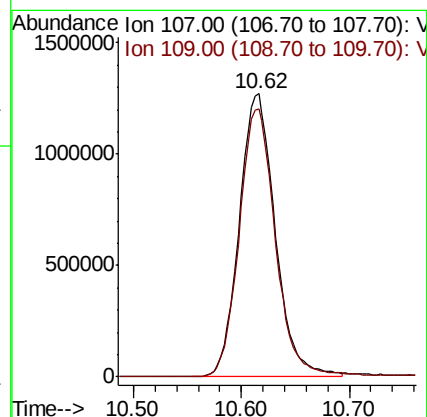
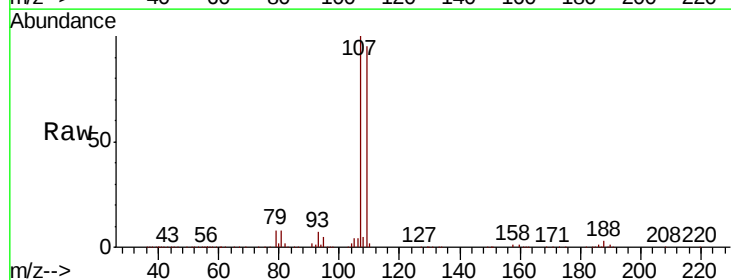
Acq: 30 Jul 2021 21:13

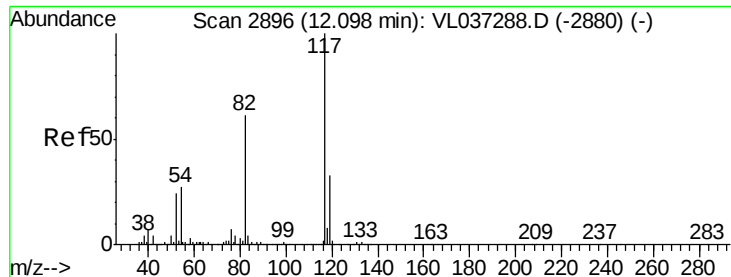
Tgt Ion: 107 Resp: 2953036

Ion Ratio Lower Upper

107 100

109 94.5 77.0 115.4





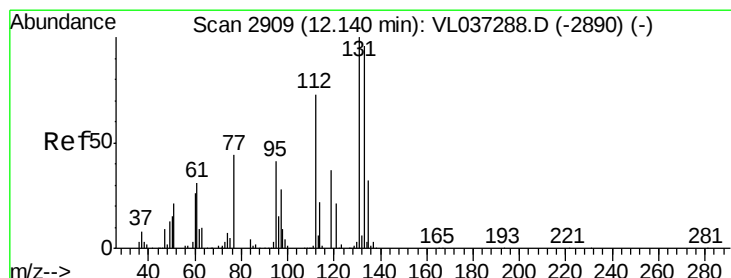
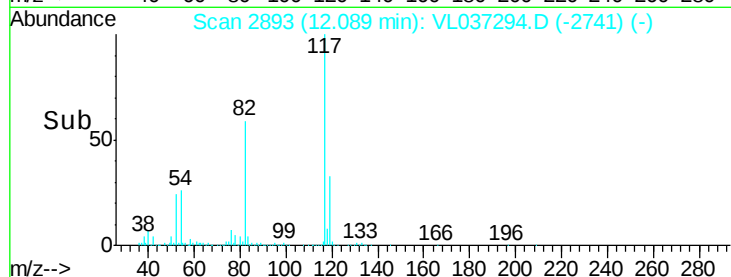
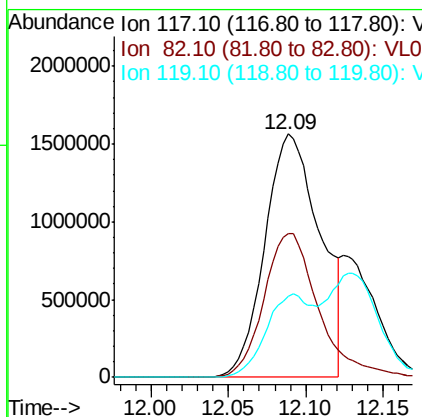
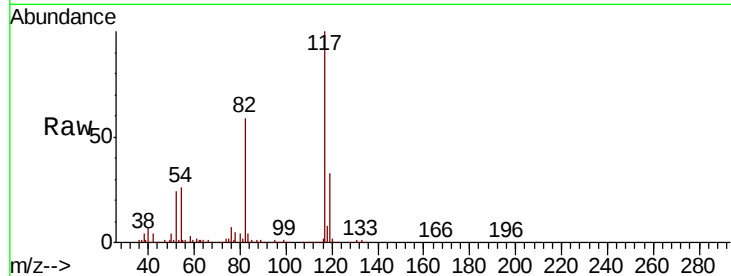
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.09 min Scan# 2893
Delta R.T. -0.01 min
Lab File: VL037294.D
Acq: 30 Jul 2021 21:13

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tot Ion	Ratio	Lower	Upper
117	100		
82	58.9	47.2	70.8
119	0.0	45.8	68.8#

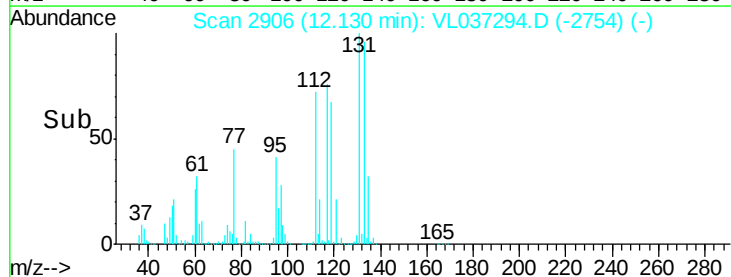
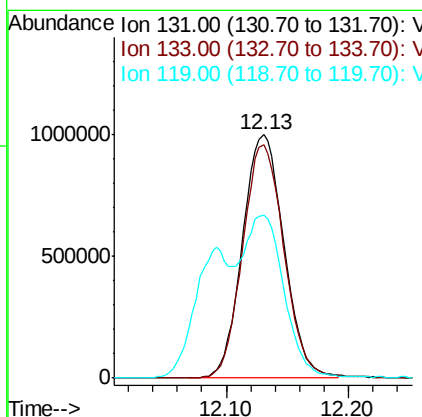
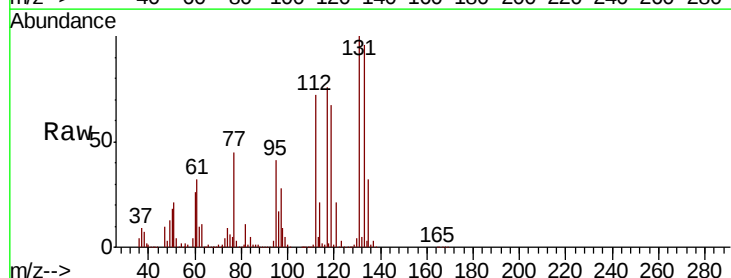
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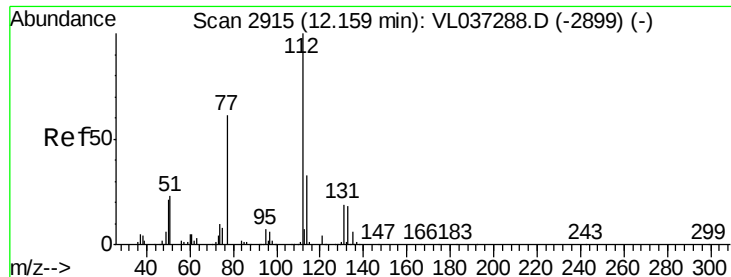
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#56
1,1,1,2-Tetrachloroethane
Concen: 13.908 ppbv
RT: 12.13 min Scan# 2906
Delta R.T. -0.01 min
Lab File: VL037294.D
Acq: 30 Jul 2021 21:13

Tgt Ion	Ratio	Lower	Upper
131	100		
133	96.2	77.4	116.2
119	115.1	51.0	76.4#





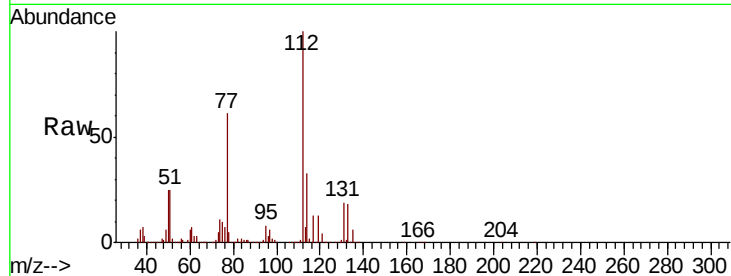
#57
Chlorobenzene
Concen: 13.707 ppbv
RT: 12.15 min Scan# 2913
Delta R.T. -0.01 min
Lab File: VL037294.D
Acq: 30 Jul 2021 21:13

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

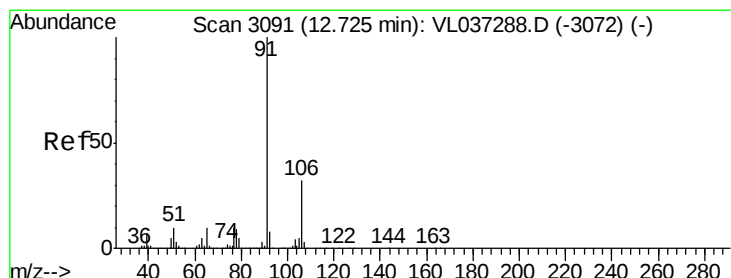
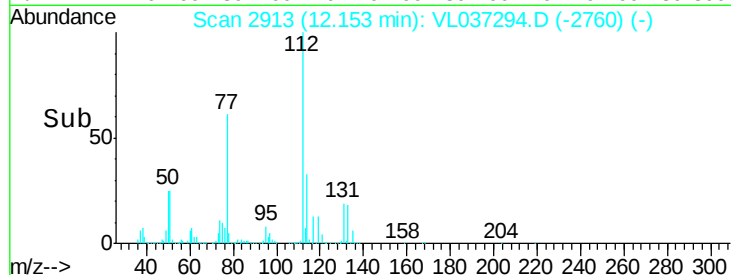
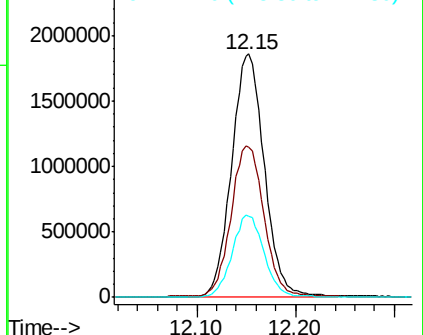
Tot Ion	Ratio	Lower	Upper
112	100		
77	60.9	49.0	73.6
114	33.3	29.3	35.9

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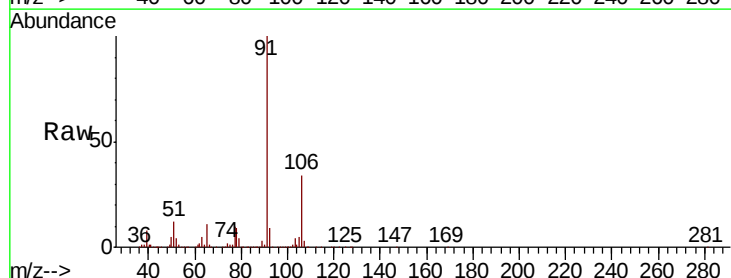


Abundance Ion 112.10 (111.80 to 112.80): V
Ion 77.10 (76.80 to 77.80): VL0
Ion 114.10 (113.80 to 114.80): V

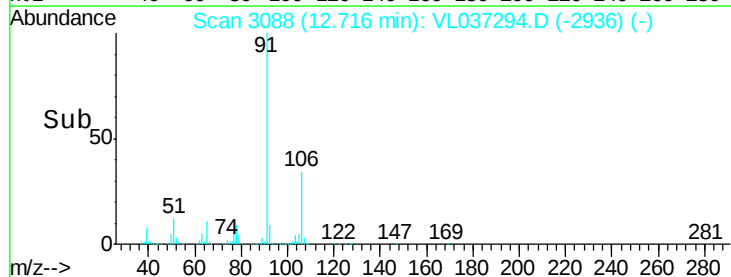
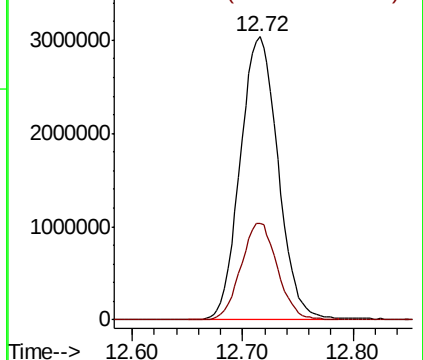


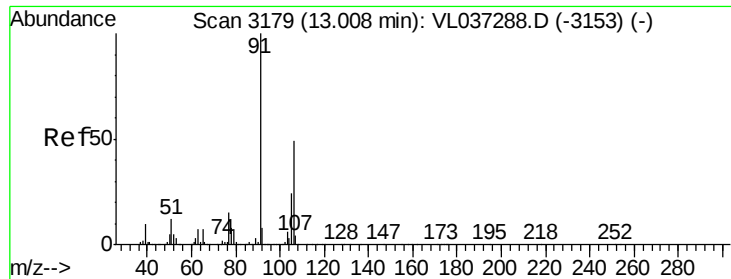
#58
Ethyl Benzene
Concen: 13.583 ppbv
RT: 12.72 min Scan# 3088
Delta R.T. -0.01 min
Lab File: VL037294.D
Acq: 30 Jul 2021 21:13

Tgt Ion	Ratio	Lower	Upper
91	100		
106	34.1	25.4	38.0



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





#59

m/p-Xylene

Concen: 26.940 ppbv m

RT: 13.00 min Scan# 3177

Delta R.T. -0.01 min

Lab File: VL037294.D

Acq: 30 Jul 2021 21:13

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tot Ion: 91 Resp:12153742

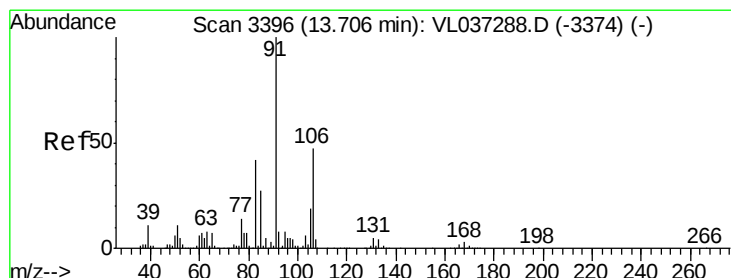
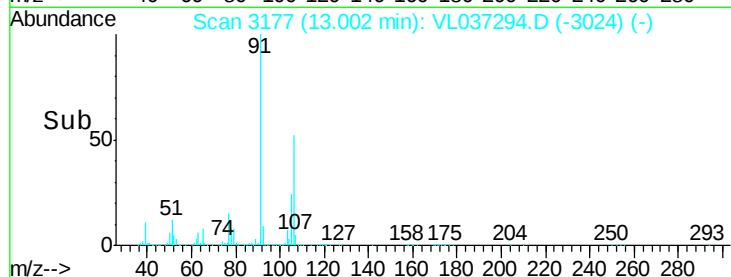
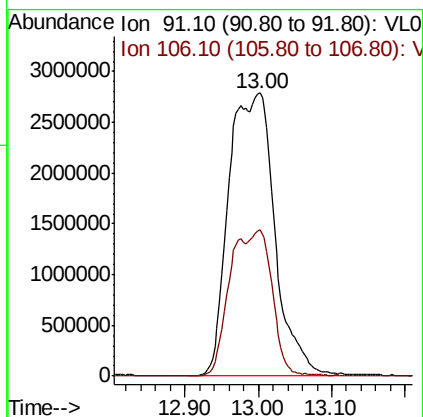
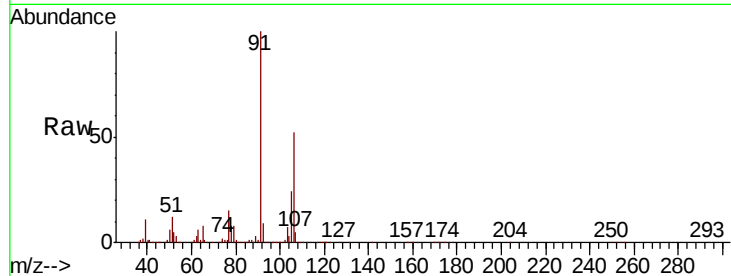
Ion Ratio Lower Upper

91 100

106 47.3 37.3 55.9

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#60

o-Xylene

Concen: 13.540 ppbv

RT: 13.70 min Scan# 3394

Delta R.T. -0.01 min

Lab File: VL037294.D

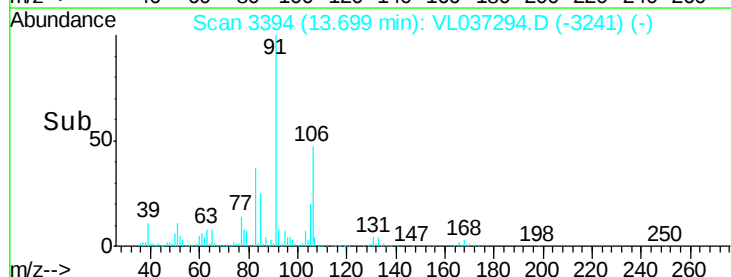
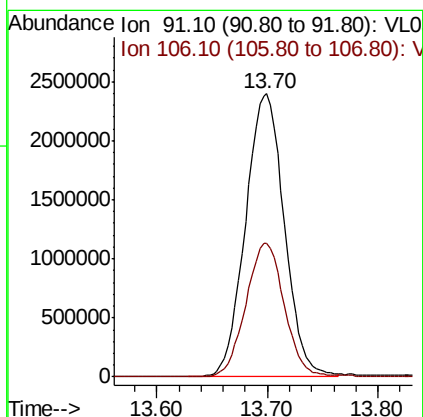
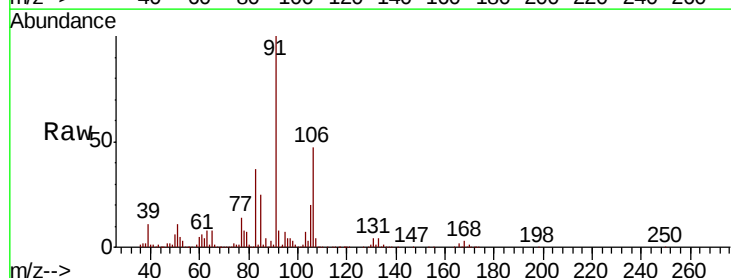
Acq: 30 Jul 2021 21:13

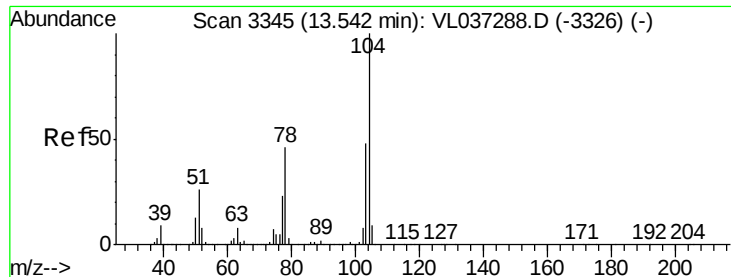
Tgt Ion: 91 Resp: 5824397

Ion Ratio Lower Upper

91 100

106 47.4 23.4 70.0





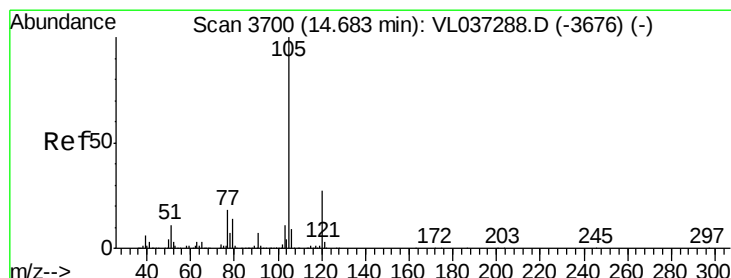
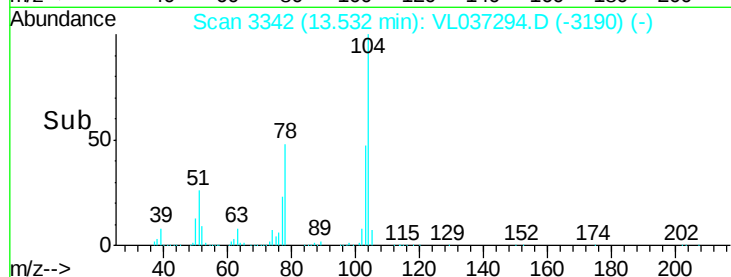
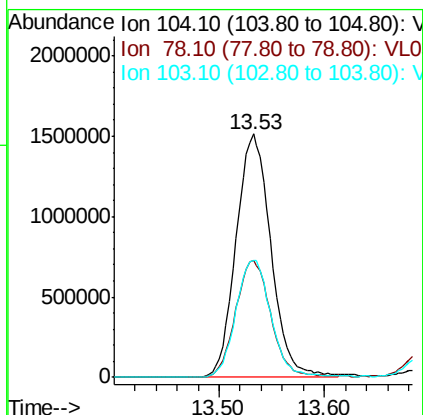
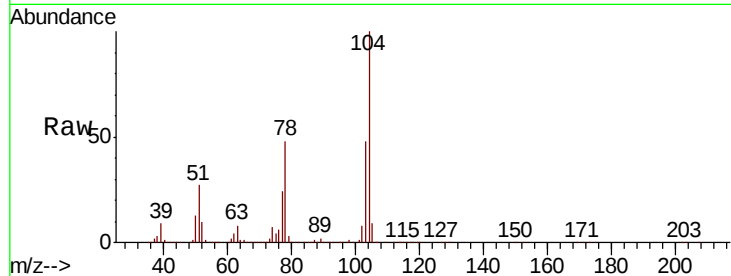
#61
Stvrene
Concen: 15.750 ppbv
RT: 13.53 min Scan# 3342
Delta R.T. -0.01 min
Lab File: VL037294.D
Acq: 30 Jul 2021 21:13

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tot Ion	Ratio	Lower	Upper
104	100		
78	48.8	39.0	58.6
103	48.6	38.6	58.0

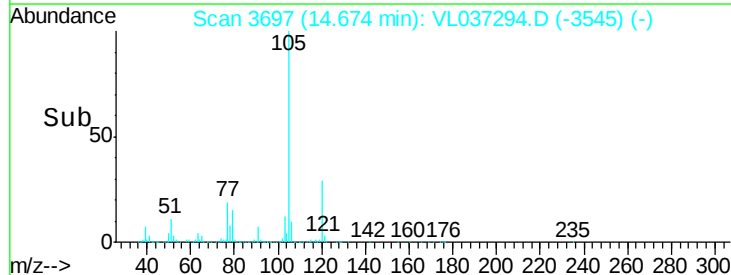
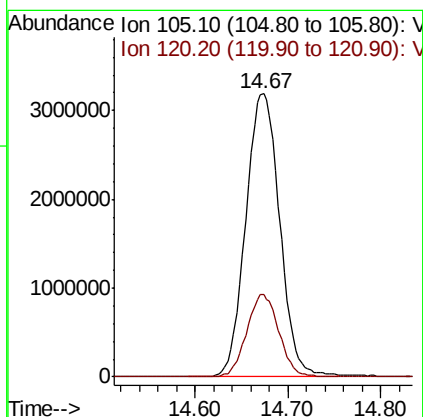
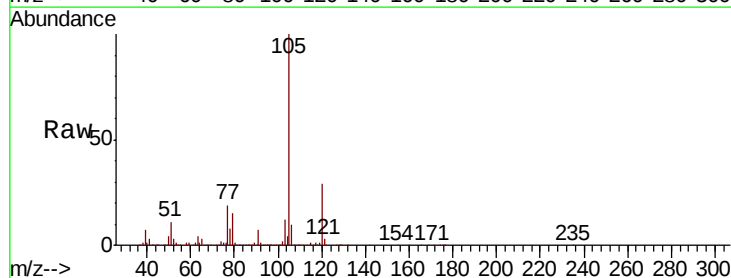
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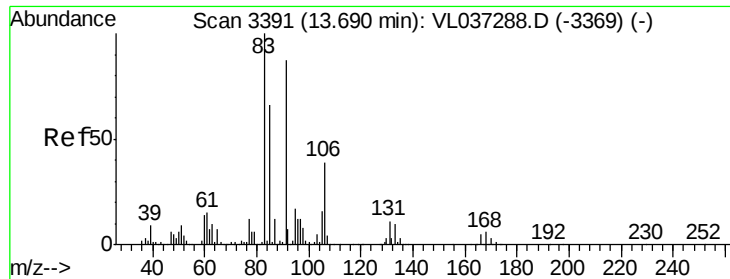
MMDadoda
8/2/2021 8:57:52 AM



#62
Isopropylbenzene
Concen: 13.212 ppbv
RT: 14.67 min Scan# 3697
Delta R.T. -0.01 min
Lab File: VL037294.D
Acq: 30 Jul 2021 21:13

Tgt Ion	Ratio	Lower	Upper
105	100		
120	27.9	21.8	32.6





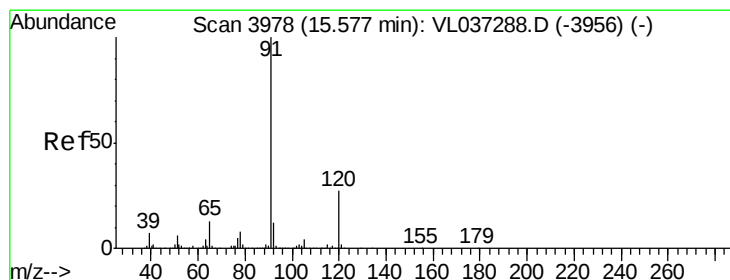
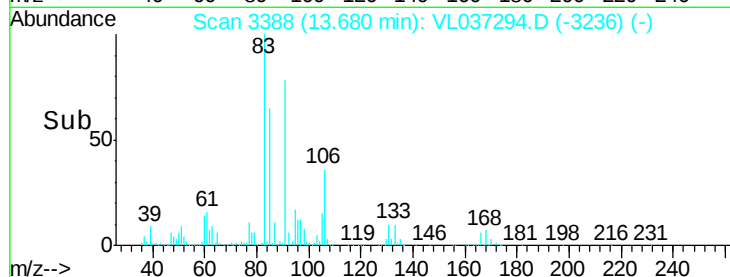
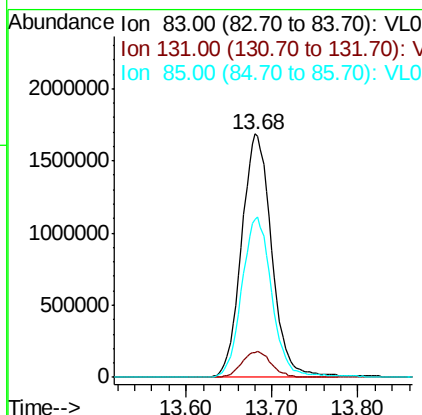
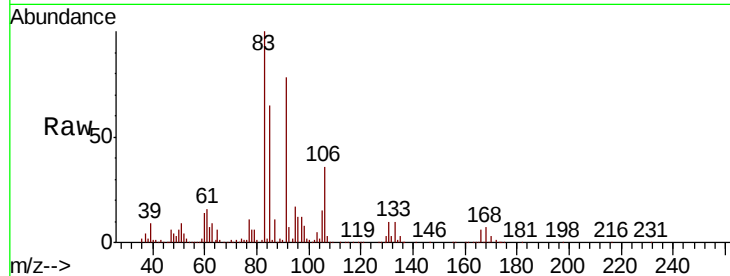
#63
 1,1,2,2-Tetrachloroethane
 Concen: 14.189 ppbv
 RT: 13.68 min Scan# 3388
 Delta R.T. -0.01 min
 Lab File: VL037294.D
 Acq: 30 Jul 2021 21:13

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

Tot Ion: 83 Resp: 4096353
 Ion Ratio Lower Upper
 83 100
 131 10.8 5.5 16.5
 85 66.2 33.6 100.8

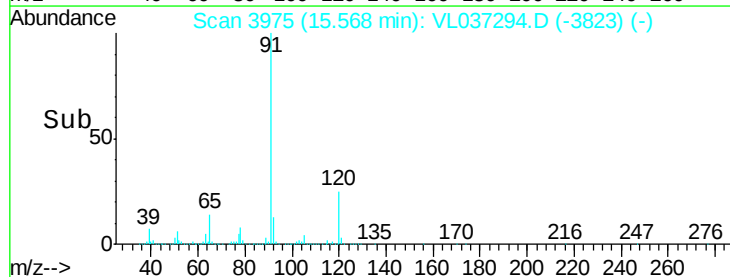
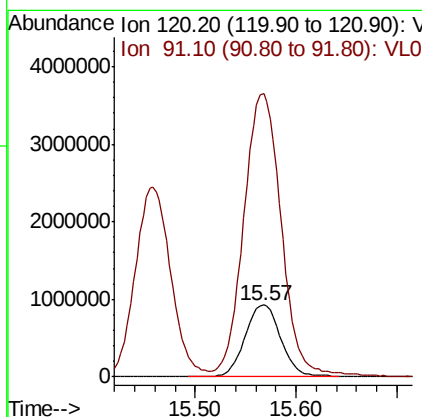
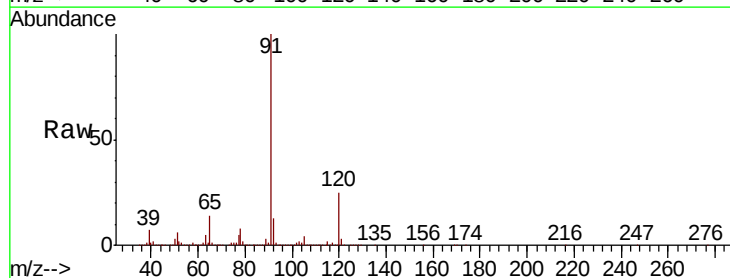
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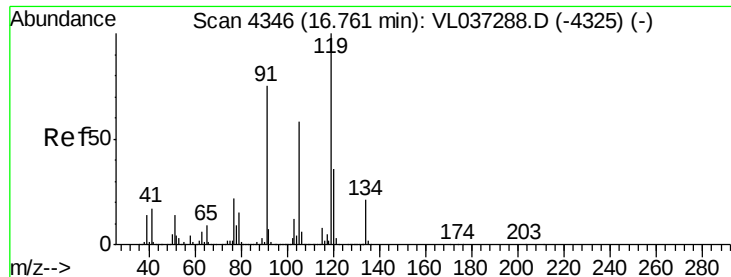
MMDadoda
 8/2/2021 8:57:52 AM



#64
 n-propylbenzene
 Concen: 14.785 ppbv
 RT: 15.57 min Scan# 3975
 Delta R.T. -0.01 min
 Lab File: VL037294.D
 Acq: 30 Jul 2021 21:13

Tgt Ion: 120 Resp: 2275546
 Ion Ratio Lower Upper
 120 100
 91 414.2 347.0 520.4





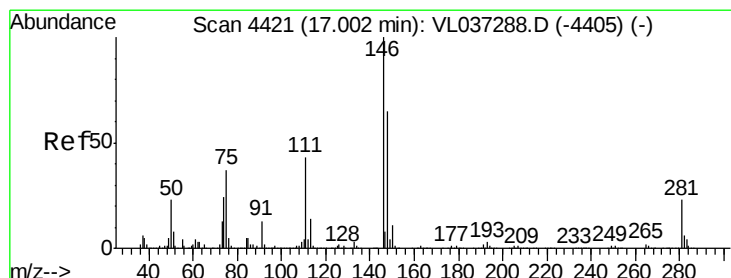
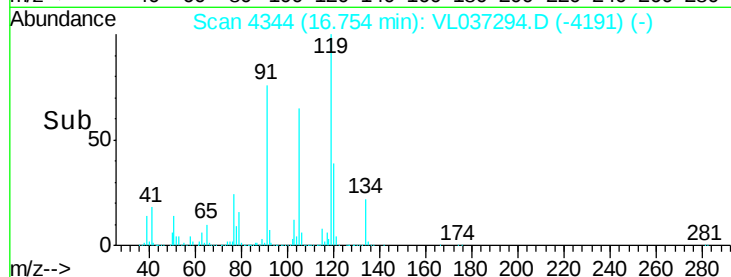
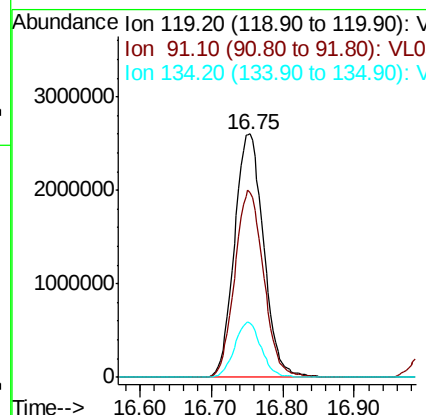
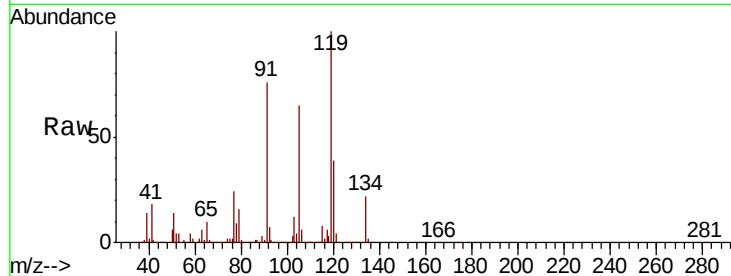
#65
tert-Butylbenzene
Concen: 13.553 ppbv
RT: 16.75 min Scan# 4344
Delta R.T. -0.01 min
Lab File: VL037294.D
Acq: 30 Jul 2021 21:13

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tot Ion	Ratio	Lower	Upper
119	100		
91	76.1	60.5	90.7
134	20.7	16.2	24.4

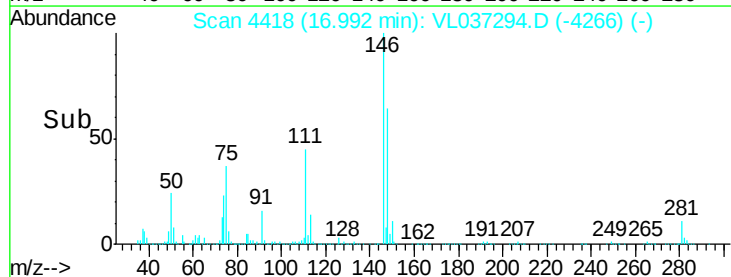
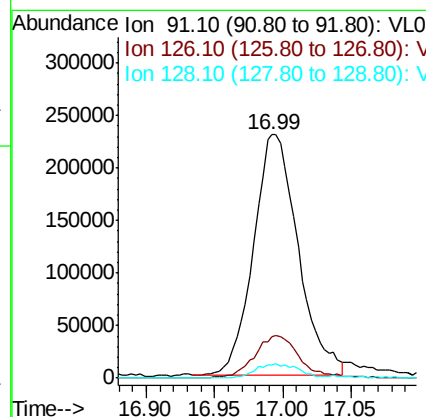
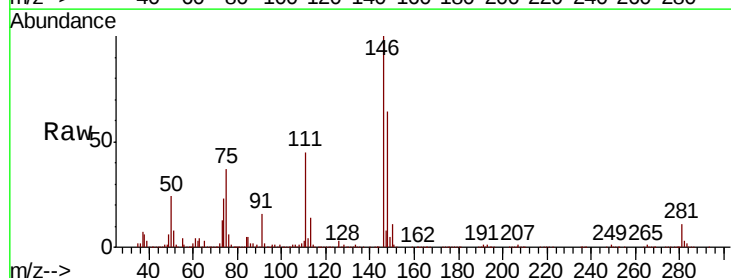
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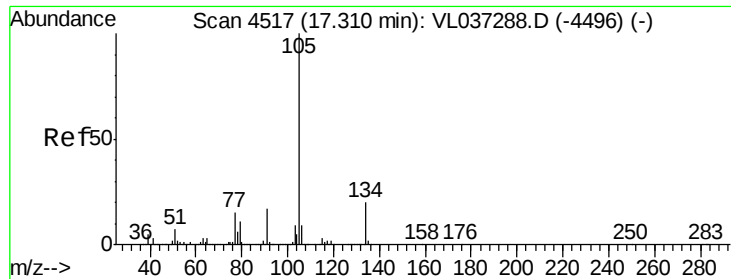
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#66
Benzyl Chloride
Concen: 20.785 ppbv
RT: 16.99 min Scan# 4418
Delta R.T. -0.01 min
Lab File: VL037294.D
Acq: 30 Jul 2021 21:13

Tgt Ion	Ratio	Lower	Upper
91	100		
126	18.1	15.4	23.0
128	6.7	5.0	7.4





#67

sec-Butylbenzene

Concen: 13.463 ppbv

RT: 17.30 min Scan# 4514

Delta R.T. -0.01 min

Lab File: VL037294.D

Acq: 30 Jul 2021 21:13

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tot Ion: 105 Resp: 9833343

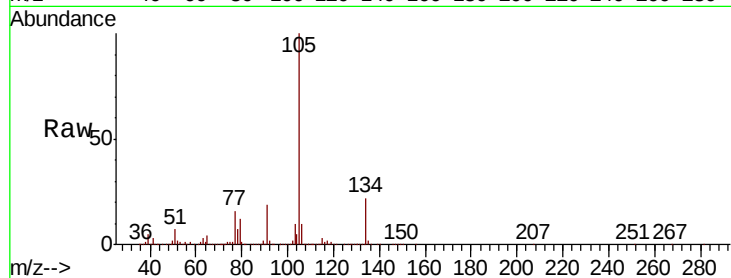
Ion Ratio Lower Upper

105 100

134 20.5 15.8 23.6

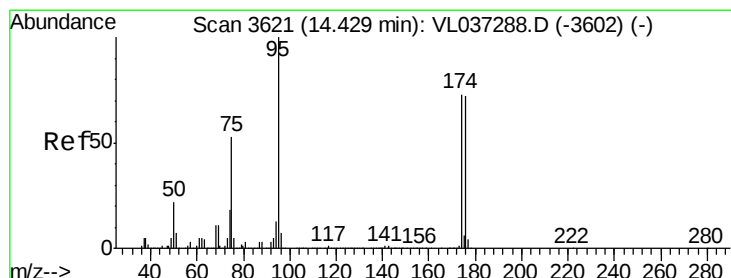
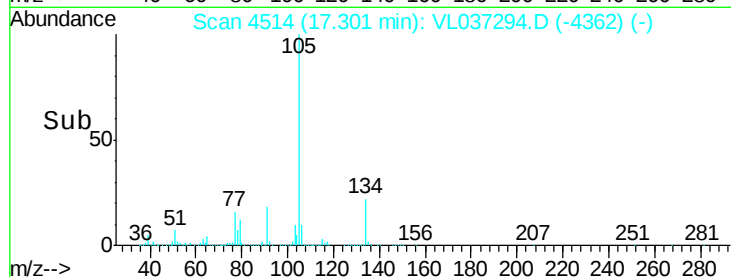
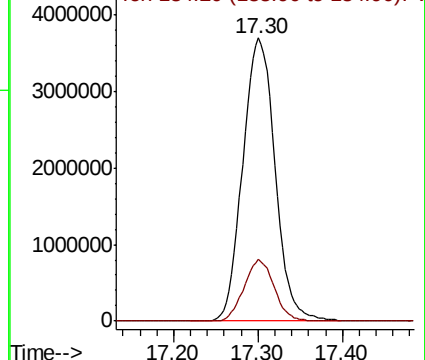
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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V



#68

1-Bromo-4-Fluorobenzene

Concen: 9.712 ppbv

RT: 14.42 min Scan# 3618

Delta R.T. -0.01 min

Lab File: VL037294.D

Acq: 30 Jul 2021 21:13

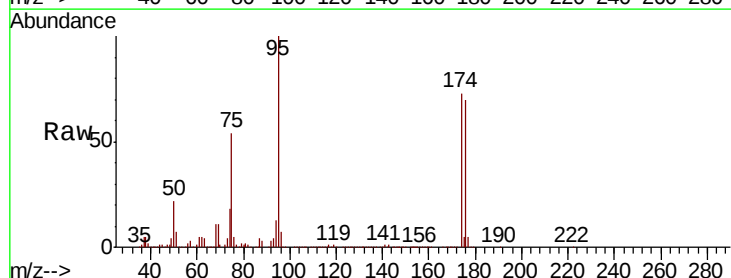
Tgt Ion: 95 Resp: 2827940

Ion Ratio Lower Upper

95 100

174 73.8 59.8 89.6

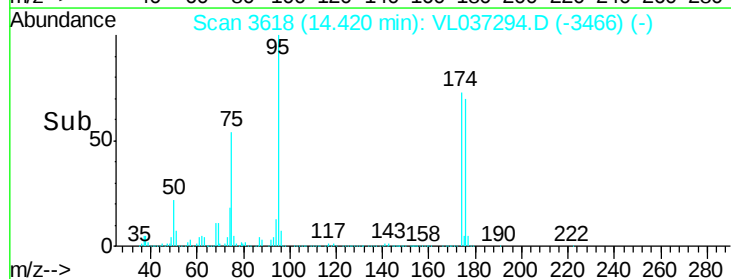
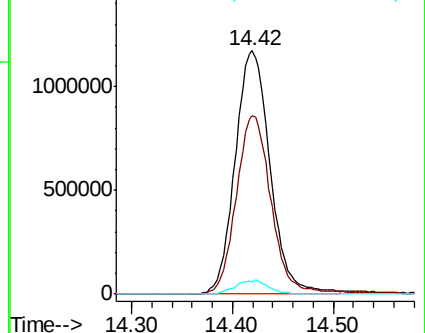
175 5.6 4.5 6.7

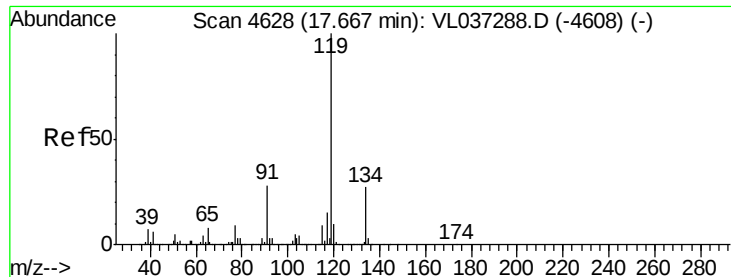


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V





#69

p-Isopropyltoluene

Concen: 13.920 ppbv

RT: 17.66 min Scan# 4626

Delta R.T. -0.01 min

Lab File: VL037294.D

Acq: 30 Jul 2021 21:13

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tot Ion:119 Resp: 8593583

Ion Ratio Lower Upper

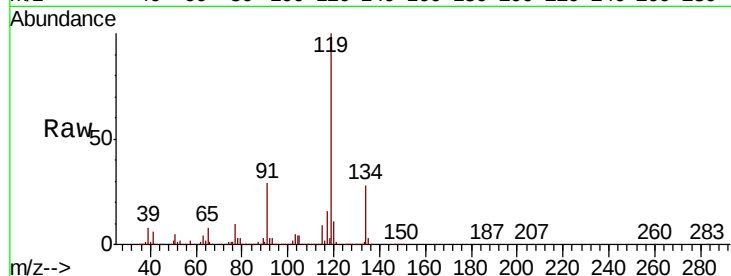
119 100

134 27.1 21.1 31.7

91 27.8 21.8 32.6

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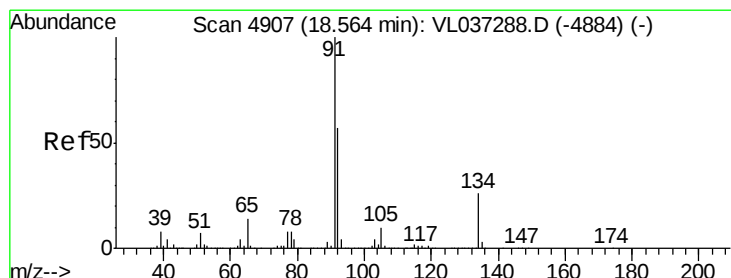
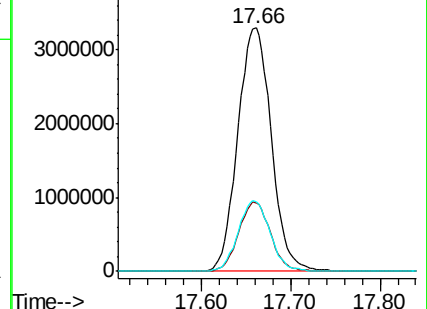
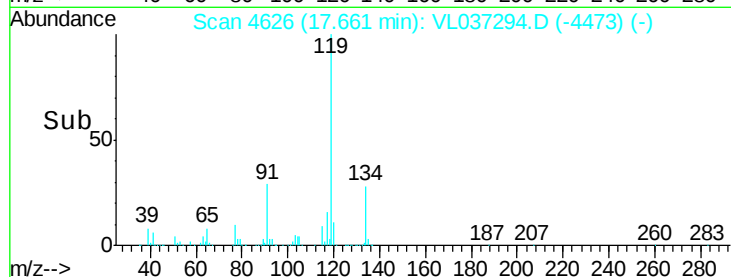
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Abundance Ion 119.10 (118.80 to 119.80): V

Ion 134.20 (133.90 to 134.90): V

Ion 91.10 (90.80 to 91.80): V



#70

n-Butylbenzene

Concen: 14.343 ppbv

RT: 18.55 min Scan# 4904

Delta R.T. -0.01 min

Lab File: VL037294.D

Acq: 30 Jul 2021 21:13

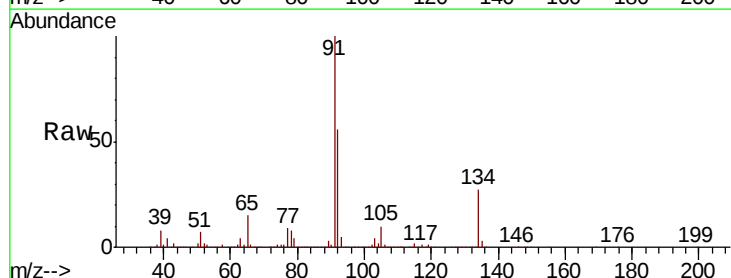
Tgt Ion: 91 Resp: 8195412

Ion Ratio Lower Upper

91 100

92 55.7 43.6 65.4

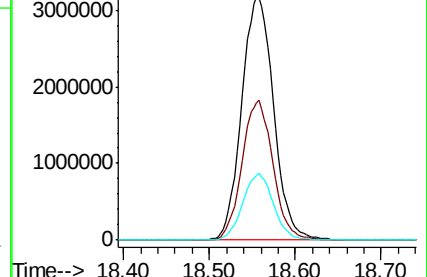
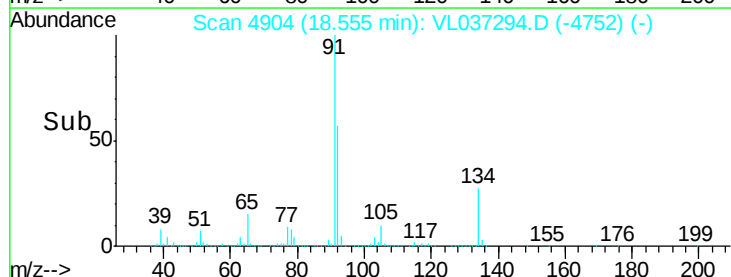
134 26.2 20.3 30.5

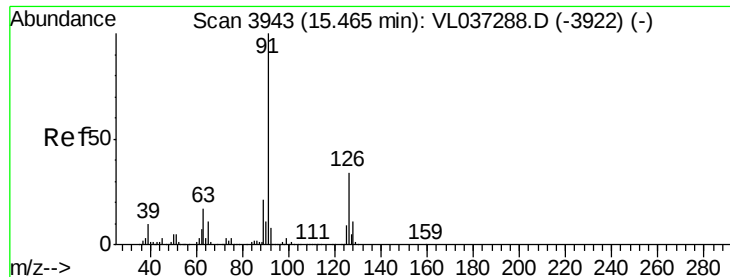


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0

Ion 134.20 (133.90 to 134.90): V





#71

2-Chlorotoluene

Concen: 13.960 ppbv

RT: 15.46 min Scan# 3941

Delta R.T. -0.01 min

Lab File: VL037294.D

Acq: 30 Jul 2021 21:13

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tot Ion: 91 Resp: 5993836

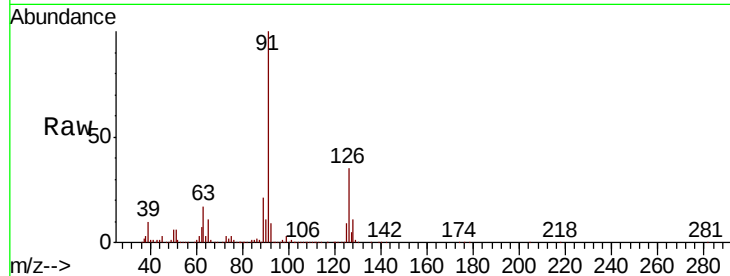
Ion Ratio Lower Upper

91 100

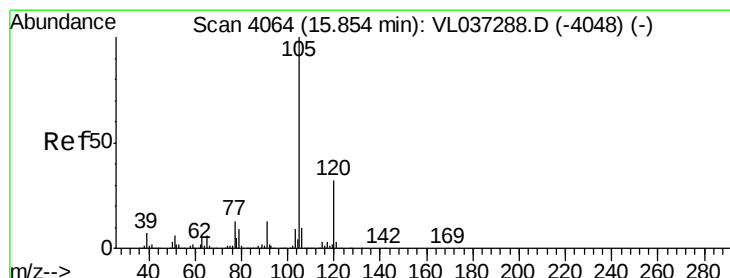
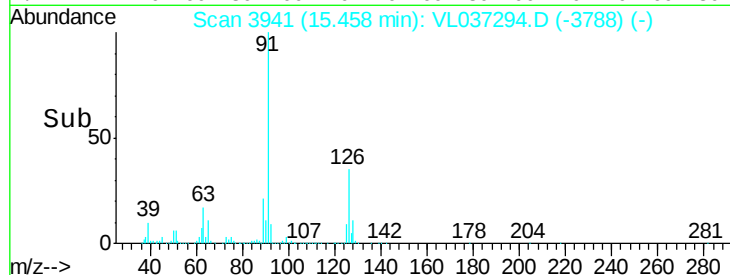
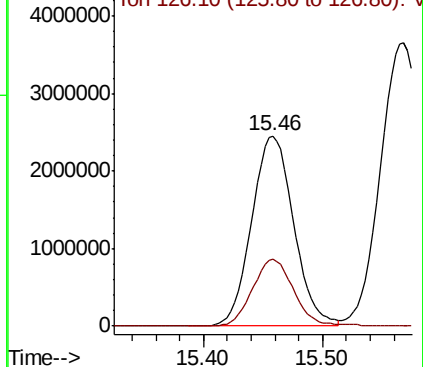
126 35.1 13.8 55.2

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Abundance Ion 91.10 (90.80 to 91.80): VL0
Ion 126.10 (125.80 to 126.80): V



#72

4-Ethyltoluene

Concen: 14.594 ppbv

RT: 15.84 min Scan# 4061

Delta R.T. -0.01 min

Lab File: VL037294.D

Acq: 30 Jul 2021 21:13

Tgt Ion: 105 Resp: 7222545

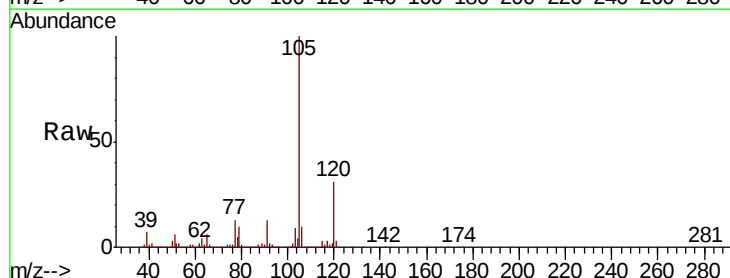
Ion Ratio Lower Upper

105 100

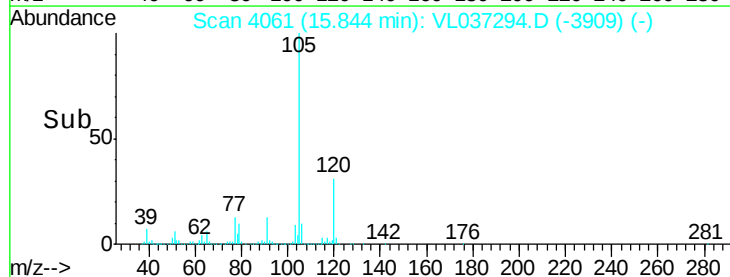
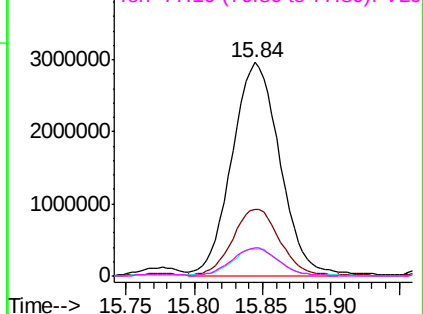
120 31.4 24.3 36.5

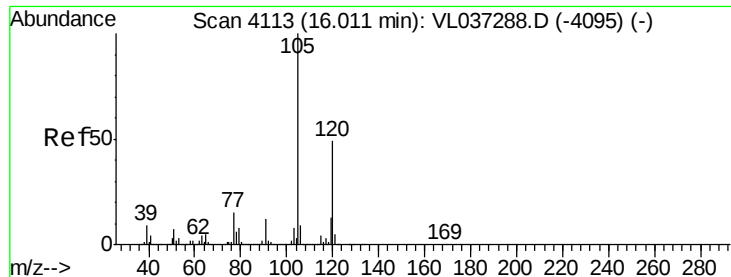
91 12.4 9.6 14.4

77 13.2 10.3 15.5



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





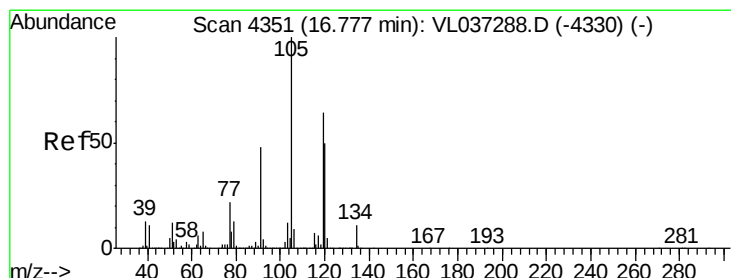
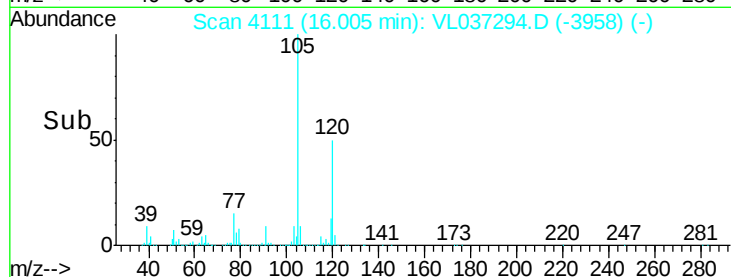
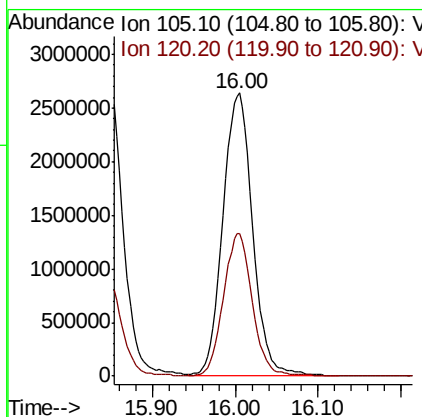
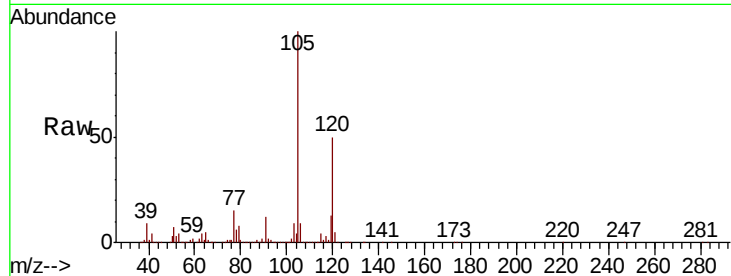
#73
 1,3,5-Trimethylbenzene
 Concen: 13.768 ppbv
 RT: 16.00 min Scan# 4111
 Delta R.T. -0.01 min
 Lab File: VL037294.D
 Acq: 30 Jul 2021 21:13

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

Tot Ion:105 Resp: 6558731
 Ion Ratio Lower Upper
 105 100
 120 50.3 39.0 58.6

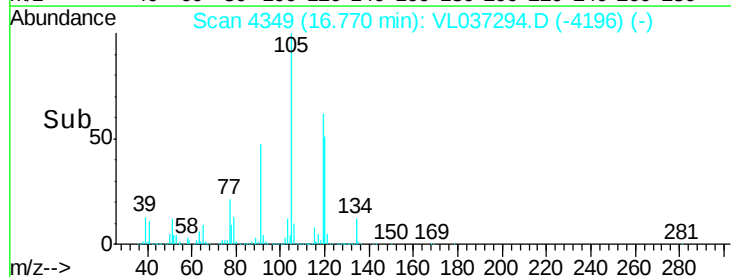
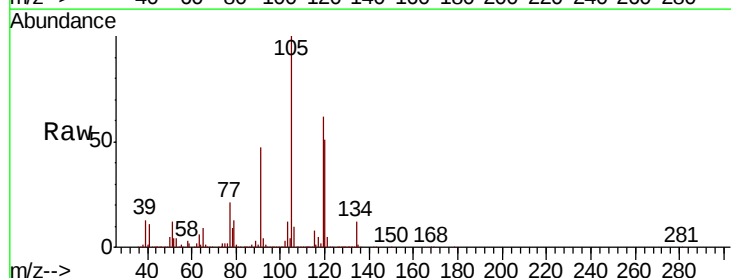
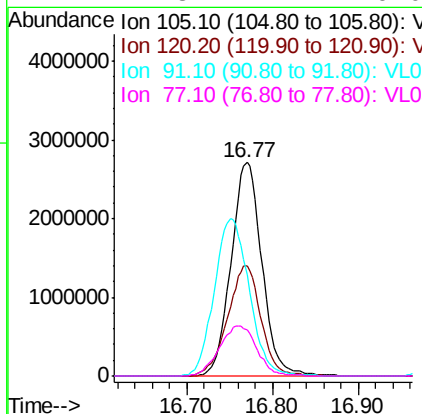
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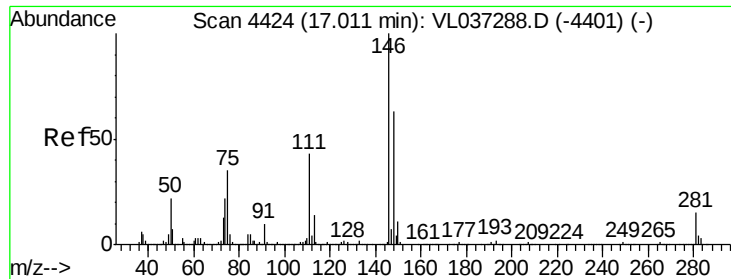
MMDadoda
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#74
 1,2,4-Trimethylbenzene
 Concen: 13.747 ppbv
 RT: 16.77 min Scan# 4349
 Delta R.T. -0.01 min
 Lab File: VL037294.D
 Acq: 30 Jul 2021 21:13

Tgt Ion:105 Resp: 6742229
 Ion Ratio Lower Upper
 105 100
 120 51.2 40.2 60.4
 91 47.1 39.0 58.6
 77 21.3 17.4 26.0





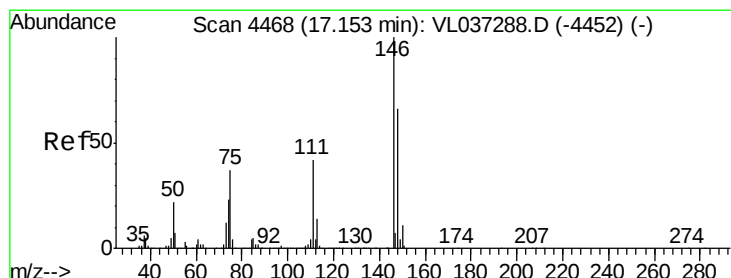
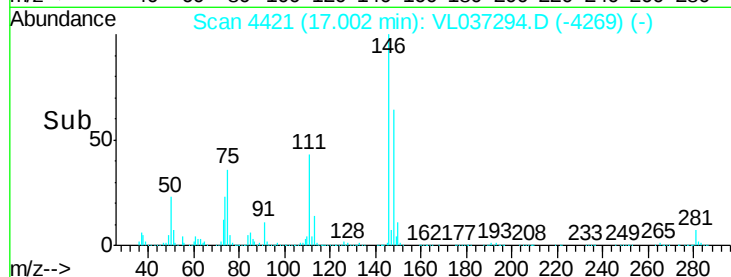
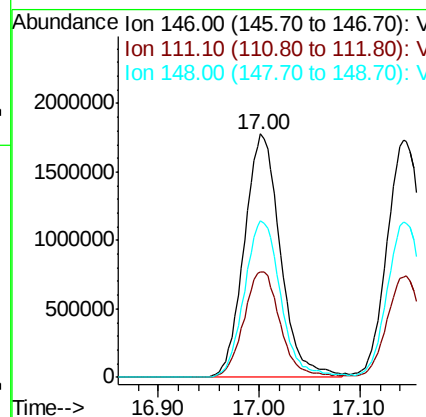
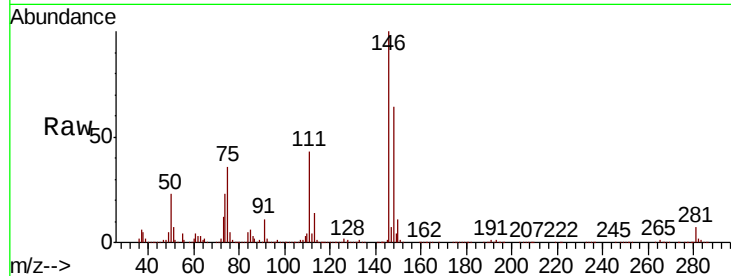
#75
 1,3-Dichlorobenzene
 Concen: 14.660 ppbv
 RT: 17.00 min Scan# 4421
 Delta R.T. -0.01 min
 Lab File: VL037294.D
 Acq: 30 Jul 2021 21:13

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.9	21.7	65.1
148	65.1	32.3	96.9

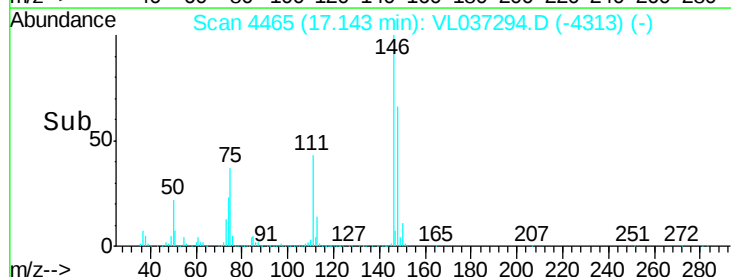
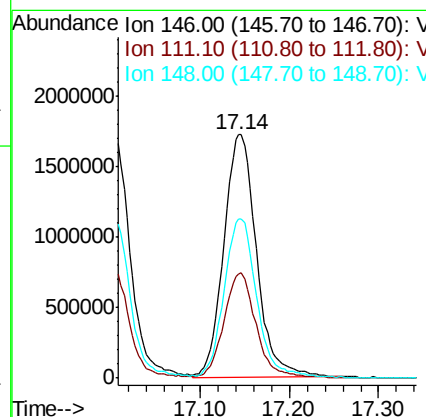
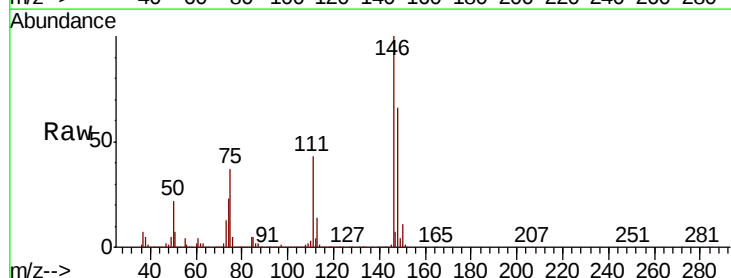
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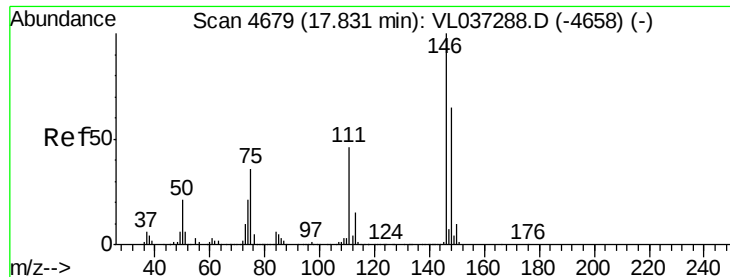
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#76
 1,4-Dichlorobenzene
 Concen: 14.447 ppbv
 RT: 17.14 min Scan# 4465
 Delta R.T. -0.01 min
 Lab File: VL037294.D
 Acq: 30 Jul 2021 21:13

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.7	21.2	63.6
148	65.7	32.9	98.6





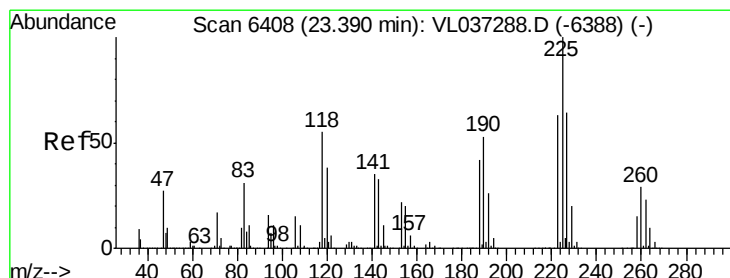
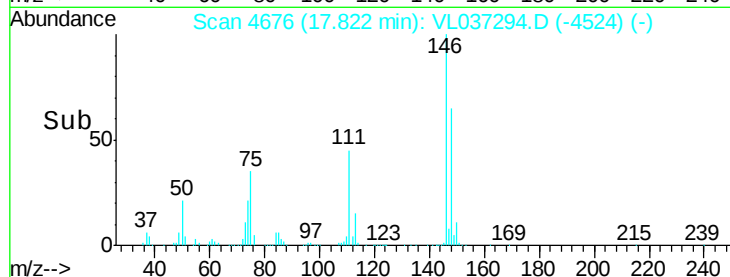
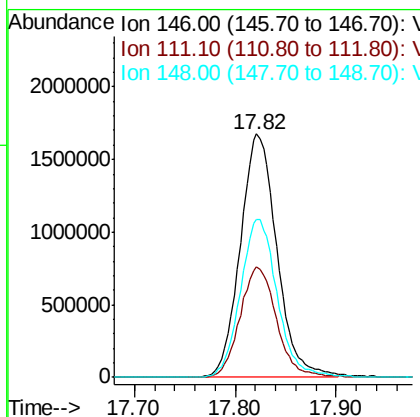
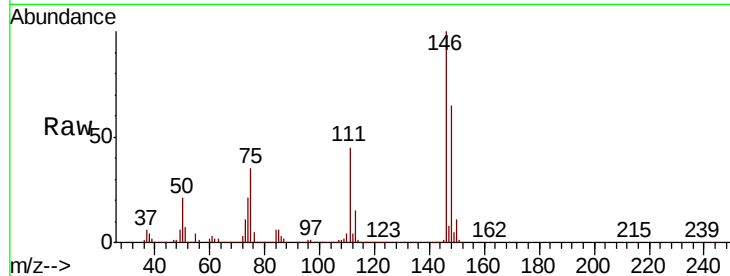
#77
 1,2-Dichlorobenzene
 Concen: 14.396 ppbv
 RT: 17.82 min Scan# 4676
 Delta R.T. -0.01 min
 Lab File: VL037294.D
 Acq: 30 Jul 2021 21:13

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

Tot Ion:146 Resp: 4200495
 Ion Ratio Lower Upper
 146 100
 111 45.4 22.6 67.7
 148 65.7 32.5 97.4

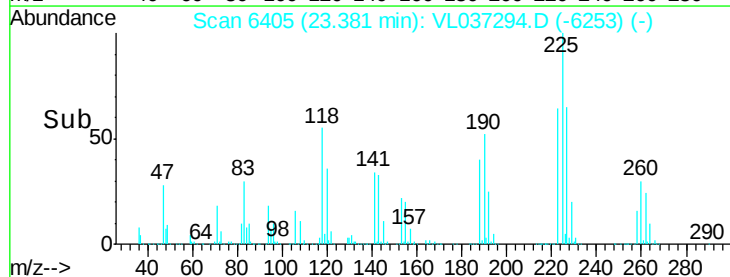
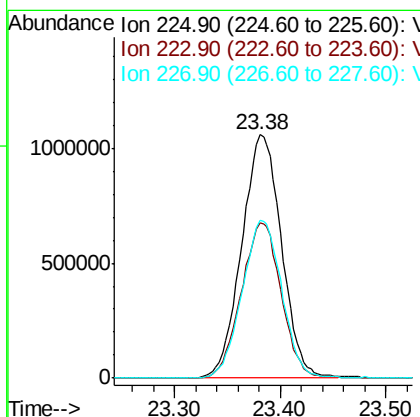
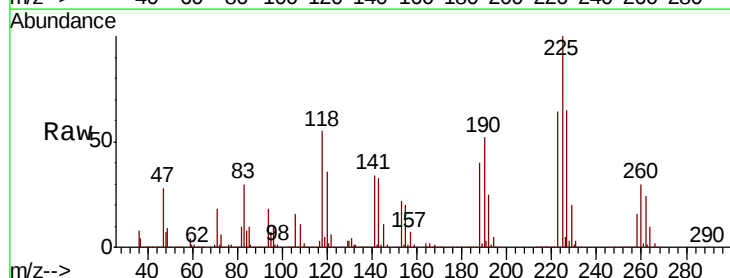
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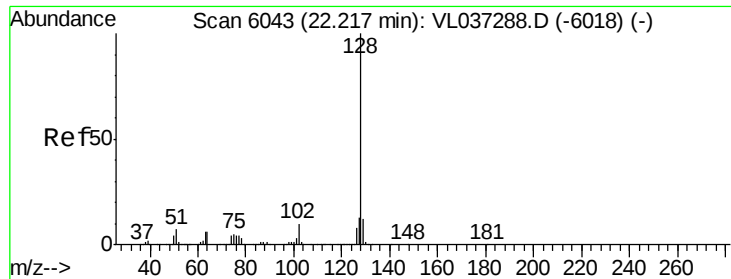
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#78
 Hexachloro-1,3-Butadiene
 Concen: 11.337 ppbv
 RT: 23.38 min Scan# 6405
 Delta R.T. -0.01 min
 Lab File: VL037294.D
 Acq: 30 Jul 2021 21:13

Tgt Ion:225 Resp: 2779151
 Ion Ratio Lower Upper
 225 100
 223 64.4 51.7 77.5
 227 65.0 51.8 77.8





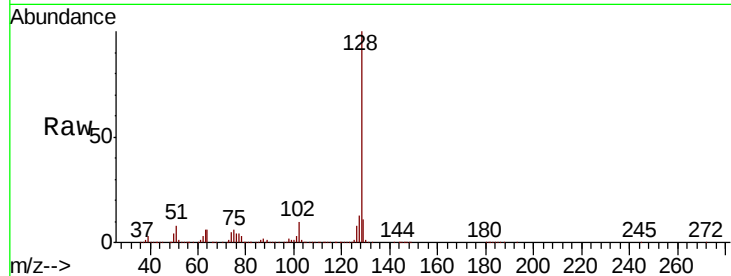
#79
Naphthalene
Concen: 13.966 ppbv
RT: 22.20 min Scan# 6038
Delta R.T. -0.02 min
Lab File: VL037294.D
Acq: 30 Jul 2021 21:13

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.7	16.1
129	11.4	9.4	14.2

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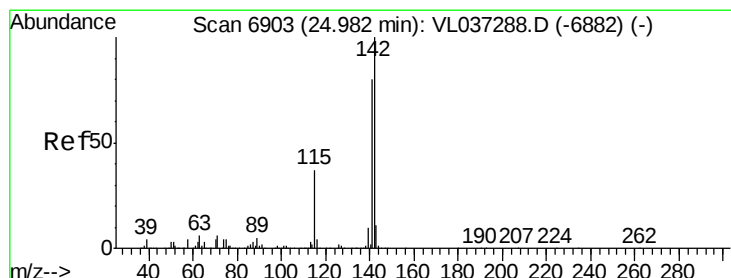
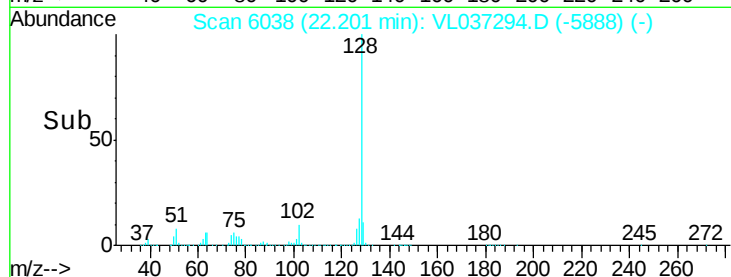
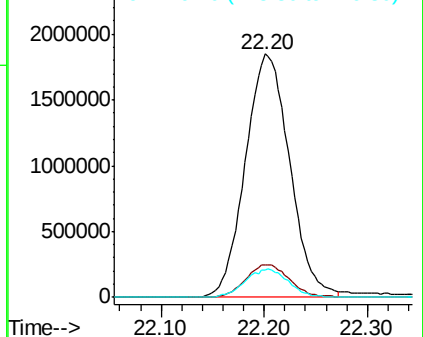


Abundance

Ion 128.10 (127.80 to 128.80): V

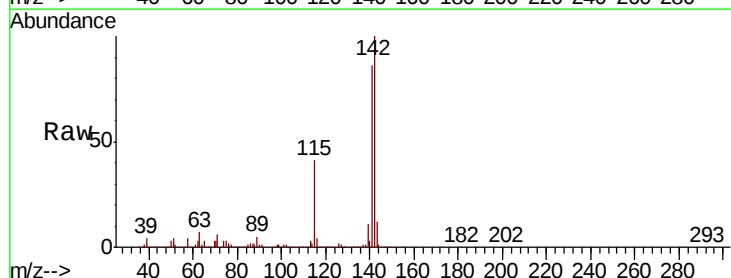
Ion 127.10 (126.80 to 127.80): V

Ion 129.10 (128.80 to 129.80): V



#80
Naphthalene, 2-methyl-
Concen: 18.532 ppbv
RT: 24.98 min Scan# 6901
Delta R.T. -0.01 min
Lab File: VL037294.D
Acq: 30 Jul 2021 21:13

Tgt Ion	Ratio	Lower	Upper
142	100		
141	85.7	67.0	100.6
115	37.3	28.6	42.8

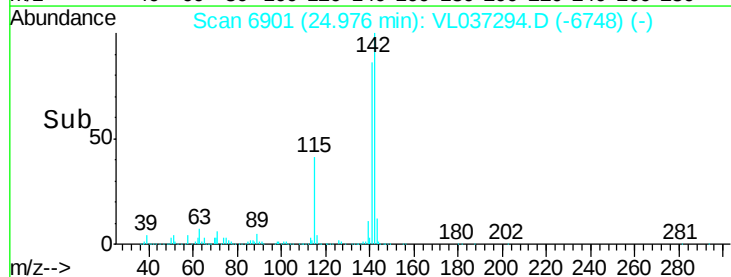
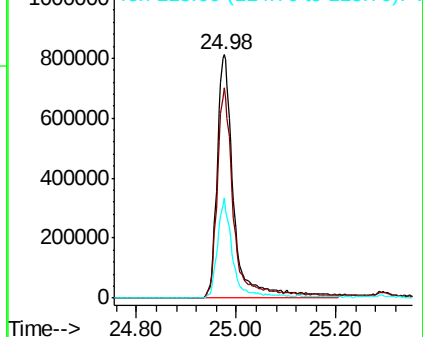


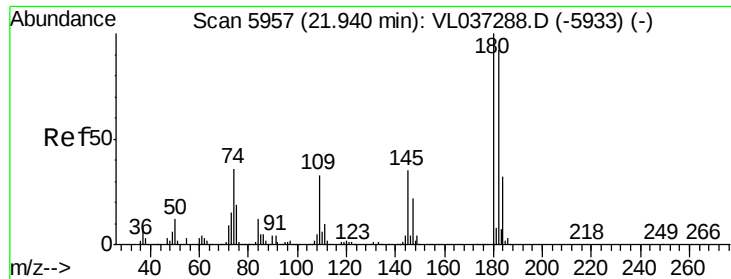
Abundance

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





#81
 1,2,4-Trichlorobenzene
 Concen: 14.216 ppbv
 RT: 21.93 min Scan# 5955
 Delta R.T. -0.01 min
 Lab File: VL037294.D
 Acq: 30 Jul 2021 21:13

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

Tot Ion	Ratio	Lower	Upper
180	100		
182	98.3	80.8	121.2
184	31.8	25.4	38.2

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