

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL072721\
 Data File : VL037280.D
 Acq On : 27 Jul 2021 3:15
 Operator : SY/AP
 Sample : VSTDIC002
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Manual Integrations
 APPROVED

MMDadoda
 8/2/2021 9:03:27 AM

Quant Time: Jul 27 07:04:39 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL072721AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Jul 27 2021
 QLast Update : Tue Jul 27 06:38:44 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	1369340	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	3990495	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.09	117	3818756	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.42	95	2817380	9.74	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.40%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.05	85	480351	1.989	ppbv	98
3) Chlorodifluoromethane	2.99	51	550829	2.050	ppbv	98
4) Chloromethane	3.14	50	189161	2.115	ppbv	97
5) Vinyl Chloride	3.26	62	191926	1.970	ppbv	94
6) Bromomethane	3.48	94	116254	2.020	ppbv	92
7) Chloroethane	3.56	64	69146	1.948	ppbv	95
8) Dichlorotetrafluoroethane	3.19	85	521797	2.112	ppbv	99
9) Propene	3.01	41	166323	1.944	ppbv	96
10) Heptane	8.12	43	415053	1.997	ppbv	97
11) Trichlorofluoromethane	3.95	101	545415	2.114	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.49	101	396919	2.177	ppbv	99
13) Ethanol	3.61	45	30585m	2.360	ppbv	
14) Bromoethene	3.74	108	152119	2.011	ppbv	94
15) Acetone	3.85	43	559611	3.525	ppbv #	73
16) 1,3-Butadiene	3.33	39	176120	1.910	ppbv	91
17) tert-Butyl alcohol	4.30	59	236834	1.649	ppbv	95
18) 1,1-Dichloroethene	4.29	96	166058	2.051	ppbv	97
19) Isopropyl Alcohol	3.98	45	127233	1.380	ppbv #	89
20) Methylene Chloride	4.34	84	193483	2.056	ppbv	96
21) Allyl Chloride	4.41	41	242783	2.045	ppbv	95
22) trans-1,2-Dichloroethene	4.89	96	163159	2.043	ppbv	96
23) Vinyl Acetate	5.07	43	503102	2.258	ppbv	100
24) 1,1-Dichloroethane	5.01	63	381628	2.112	ppbv	98
25) Ethyl Acetate	5.68	43	699844	2.074	ppbv	97
26) Hexane	5.69	57	355110	2.089	ppbv	92
27) Carbon Disulfide	4.55	76	341097	2.031	ppbv	97
28) Methyl tert-Butyl Ether	5.04	73	429476	2.101	ppbv	100
29) Chloroform	5.75	83	539464	2.039	ppbv	97
30) Cyclohexane	7.13	84	274847	1.940	ppbv #	81
31) cis-1,2-Dichloroethene	5.55	61	317733	2.027	ppbv	96
32) 1,1,1-Trichloroethane	6.51	97	550930	1.956	ppbv	100
34) 2-Butanone	5.25	43	402113	2.541	ppbv	96
35) Carbon Tetrachloride	7.02	117	587375	2.166	ppbv	99
36) Benzene	6.89	78	664369	2.045	ppbv	99
37) 1,2-Dichloroethane	6.30	62	409663m	2.144	ppbv	
38) Trichloroethene	7.84	130	283570	1.836	ppbv	95
39) 1,2-Dichloropropane	7.62	63	255286	2.115	ppbv	93
40) 1,4-Dioxane	7.86	88	53828	1.648	ppbv #	100
41) Tetrahydrofuran	6.07	42	150205m	2.063	ppbv	
42) Bromodichloromethane	7.80	83	555508	2.126	ppbv	98
43) Methyl Methacrylate	8.02	69	225304	2.007	ppbv	100

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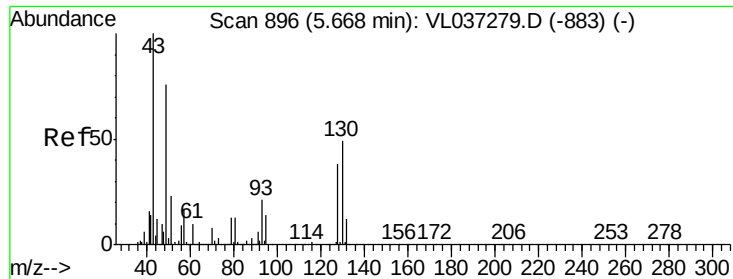
MMDadoda
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

44) 2,2,4-Trimethylpentane	7.87	57	1143287	2.084	ppbv	100
45) t-1,3-Dichloropropene	9.29	75	179370	1.852	ppbv	98
46) cis-1,3-Dichloropropene	8.71	75	249006	1.873	ppbv	97
47) 1,1,2-Trichloroethane	9.48	97	282251	2.042	ppbv	96
48) Dibromochloromethane	10.31	129	464463	2.115	ppbv	99
49) Bromoform	13.05	173	354766	2.141	ppbv	98
50) 4-Methyl-2-Pentanone	8.76	43	485554	2.230	ppbv	100
51) 2-Hexanone	10.16	43	209255	1.965	ppbv #	97
52) Tetrachloroethene	11.23	164	276935	1.839	ppbv	97
53) Toluene	9.81	91	788613	2.028	ppbv	99
54) 1,2-Dibromoethane	10.61	107	424177	2.132	ppbv	97
56) 1,1,1,2-Tetrachloroethane	12.13	131	349949m	2.065	ppbv	
57) Chlorobenzene	12.15	112	650170	2.078	ppbv	98
58) Ethyl Benzene	12.72	91	1093099	2.061	ppbv	100
59) m/p-Xylene	13.00	91	1911738m	4.237	ppbv	
60) o-Xylene	13.69	91	922277	2.142	ppbv	99
61) Styrene	13.53	104	442981	2.012	ppbv	98
62) Isopropylbenzene	14.67	105	1308955	2.137	ppbv	97
63) 1,1,2,2-Tetrachloroethane	13.68	83	617857	2.149	ppbv	98
64) n-propylbenzene	15.57	120	325505	2.129	ppbv	86
65) tert-Butylbenzene	16.75	119	1250887	2.289	ppbv	99
66) Benzyl Chloride	16.99	91	41483m	1.782	ppbv	
67) sec-Butylbenzene	17.30	105	1616800	2.222	ppbv	98
69) p-Isopropyltoluene	17.66	119	1400810	2.282	ppbv	99
70) n-Butylbenzene	18.55	91	1326247	2.336	ppbv	98
71) 2-Chlorotoluene	15.46	91	946781	2.203	ppbv	99
72) 4-Ethyltoluene	15.84	105	1070092	2.181	ppbv	99
73) 1,3,5-Trimethylbenzene	16.00	105	1024538	2.160	ppbv	96
74) 1,2,4-Trimethylbenzene	16.76	105	1158759	2.370	ppbv	92
75) 1,3-Dichlorobenzene	17.00	146	646286	2.178	ppbv	99
76) 1,4-Dichlorobenzene	17.14	146	631209m	2.133	ppbv	
77) 1,2-Dichlorobenzene	17.82	146	617967	2.146	ppbv	99
78) Hexachloro-1,3-Butadiene	23.38	225	469675	1.962	ppbv	99
79) Naphthalene	22.21	128	834127	2.180	ppbv	99
80) Naphthalene, 2-methyl-	24.98	142	165747	1.803	ppbv	90
81) 1,2,4-Trichlorobenzene	21.94	180	493781	2.200	ppbv	100

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 min Scan# 896

Delta R.T. 0.00 min

Lab File: VL037280.D

Acq: 27 Jul 2021 3:15

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tot Ion: 49 Resp: 1369340

Ion Ratio Lower Upper

49 100

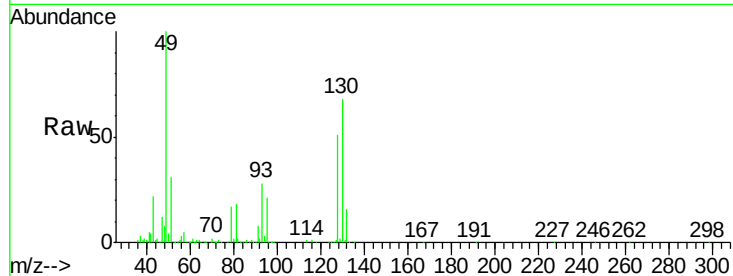
128 56.2 28.4 85.2

130 72.1 34.8 104.5

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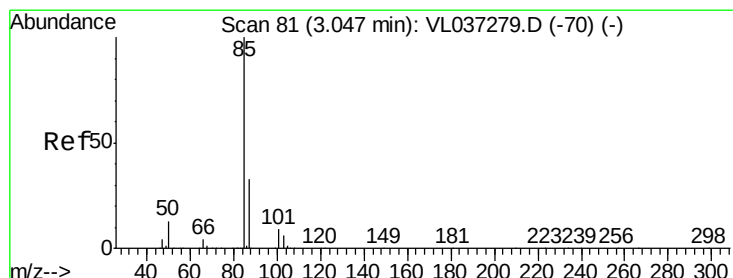
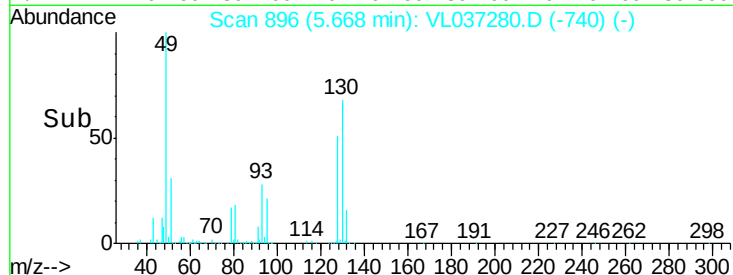
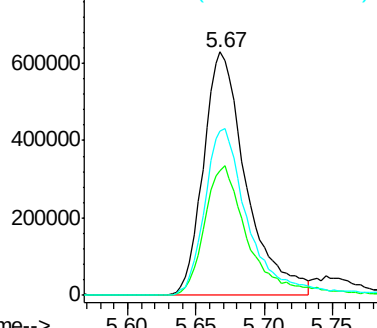
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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#2

Dichlorodifluoromethane

Concen: 1.989 ppbv

RT: 3.05 min Scan# 81

Delta R.T. 0.00 min

Lab File: VL037280.D

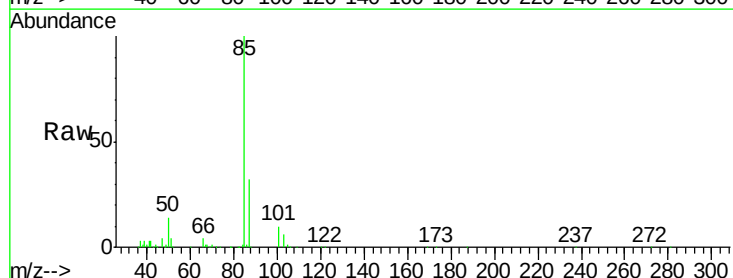
Acq: 27 Jul 2021 3:15

Tgt Ion: 85 Resp: 480351

Ion Ratio Lower Upper

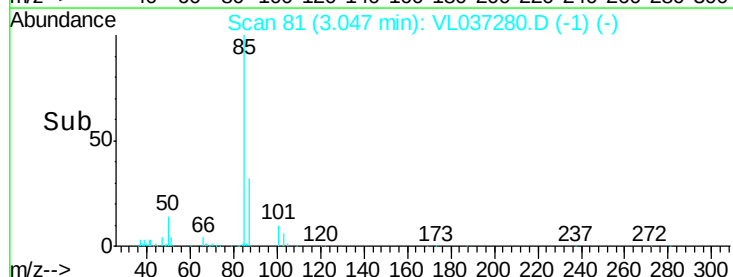
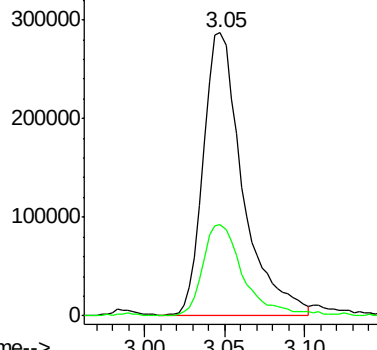
85 100

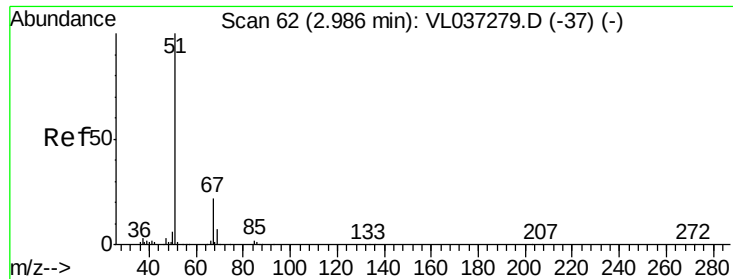
87 32.1 26.6 39.8



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 2.050 ppbv

RT: 2.99 min Scan# 62

Delta R.T. 0.00 min

Lab File: VL037280.D

Acq: 27 Jul 2021 3:15

Tot Ion: 51 Resp: 550829

Ion Ratio Lower Upper

51 100

67 19.3 16.2 24.4

Instrument :

MSVOA_L

ClientSampleId :

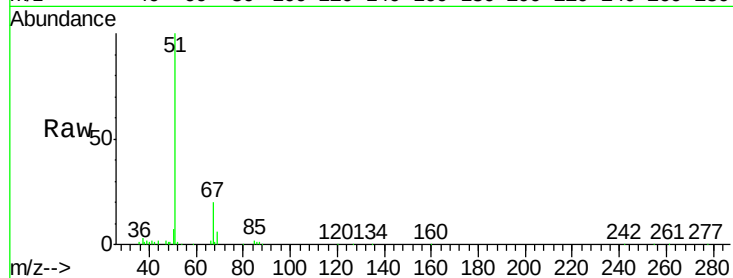
VSTDIC002

Manual Integrations

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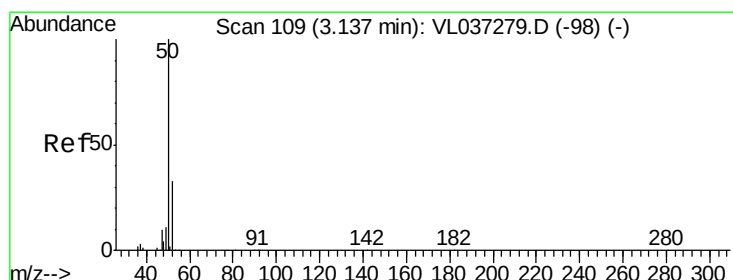
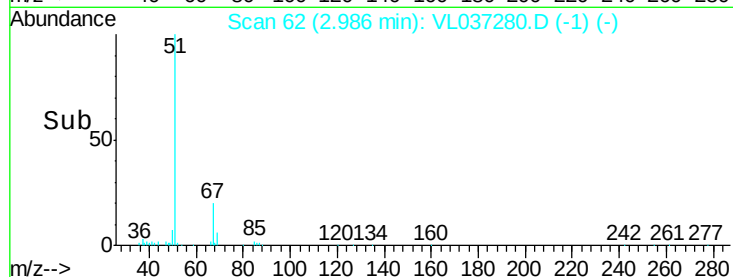
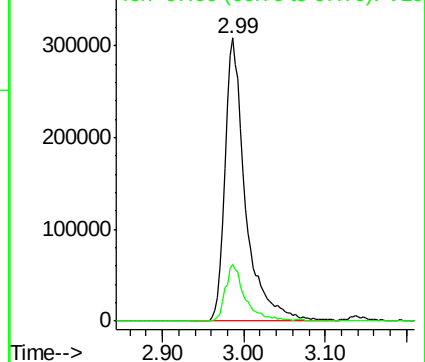
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Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 2.115 ppbv

RT: 3.14 min Scan# 109

Delta R.T. 0.00 min

Lab File: VL037280.D

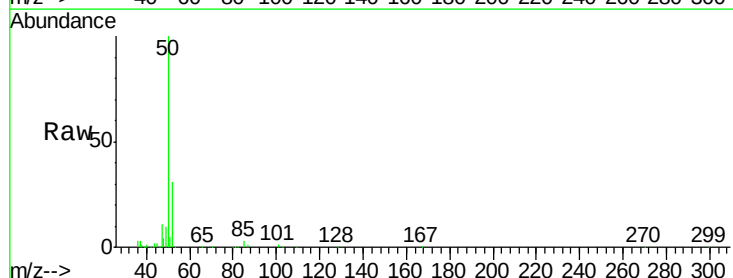
Acq: 27 Jul 2021 3:15

Tgt Ion: 50 Resp: 189161

Ion Ratio Lower Upper

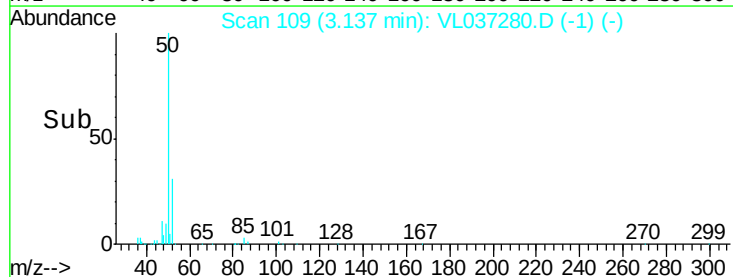
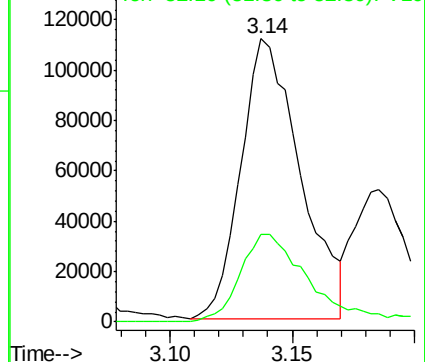
50 100

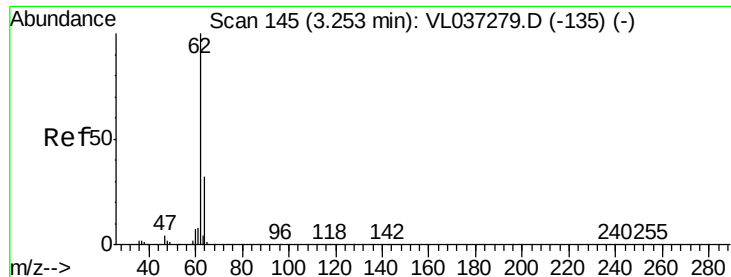
52 31.2 26.4 39.6



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 1.970 ppbv

RT: 3.26 min Scan# 146

Delta R.T. 0.00 min

Lab File: VL037280.D

Acq: 27 Jul 2021 3:15

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tot Ion: 62 Resp: 191926

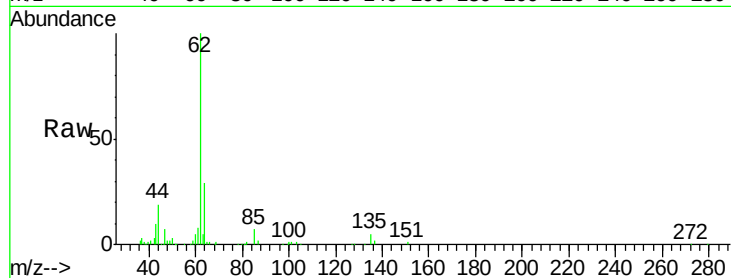
Ion Ratio Lower Upper

62 100

64 28.8 25.5 38.3

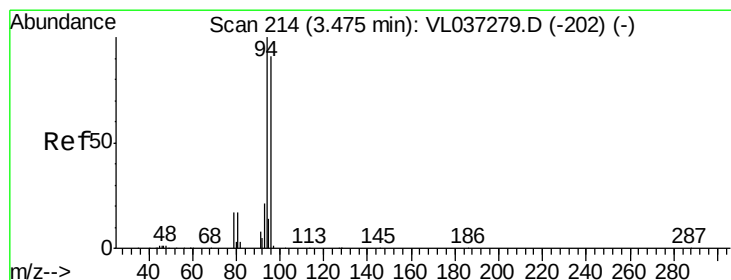
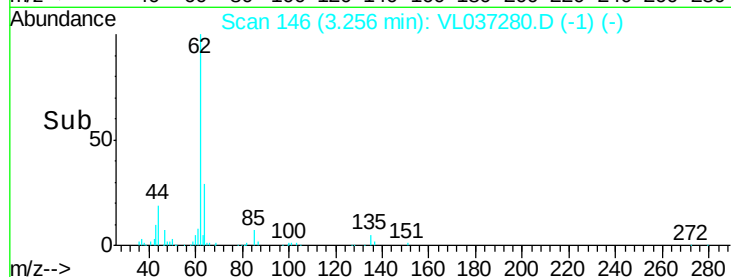
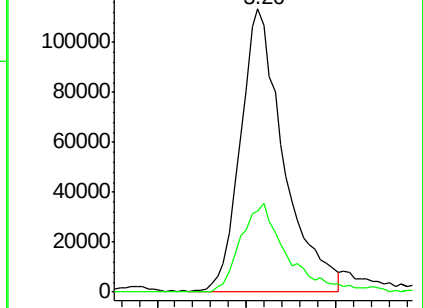
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Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 2.020 ppbv

RT: 3.48 min Scan# 214

Delta R.T. 0.00 min

Lab File: VL037280.D

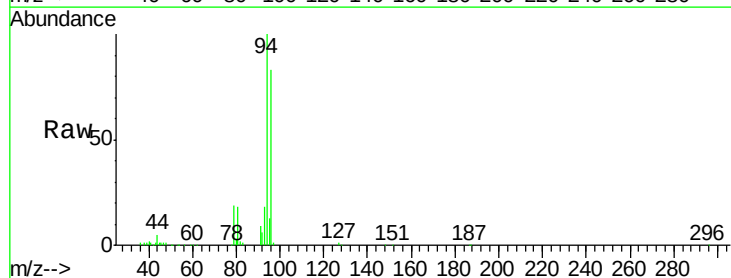
Acq: 27 Jul 2021 3:15

Tgt Ion: 94 Resp: 116254

Ion Ratio Lower Upper

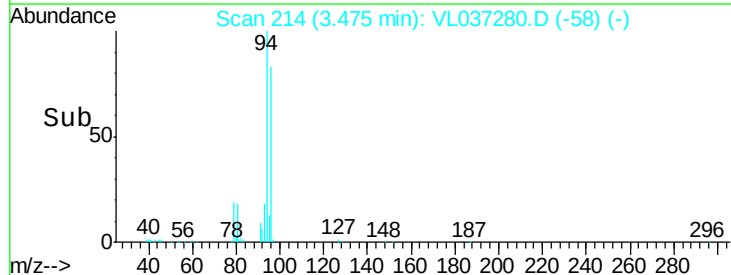
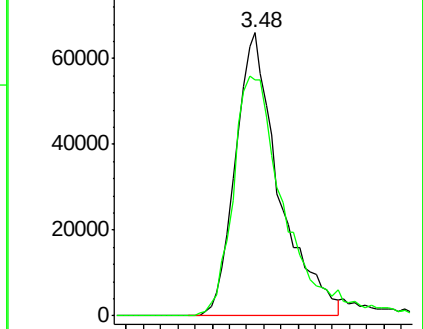
94 100

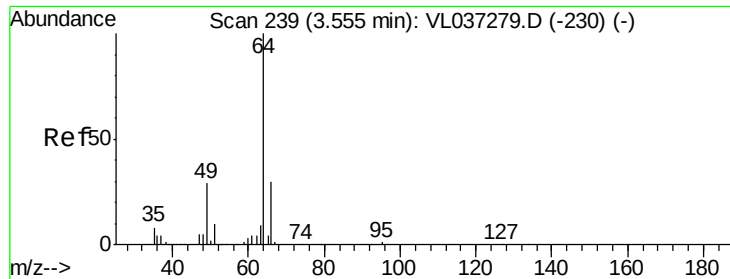
96 83.3 73.0 109.4



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 1.948 ppbv

RT: 3.56 min Scan# 239

Delta R.T. 0.00 min

Lab File: VL037280.D

Acq: 27 Jul 2021 3:15

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tot Ion: 64 Resp: 69146

Ion Ratio Lower Upper

64 100

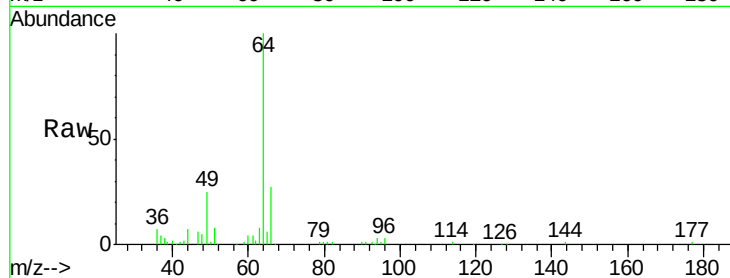
66 27.4 24.3 36.5

Manual Integrations

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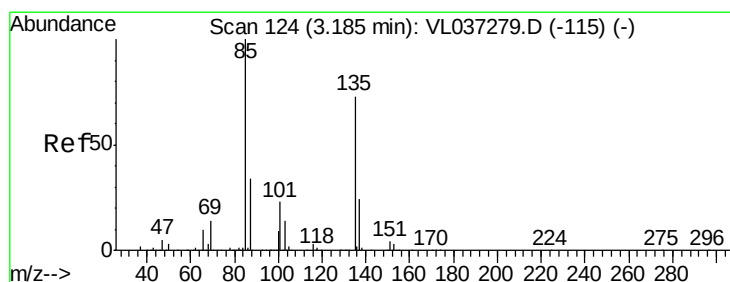
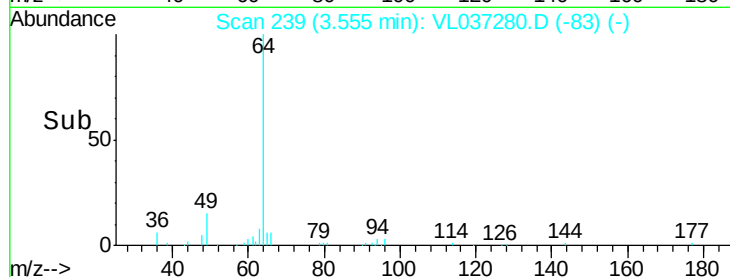
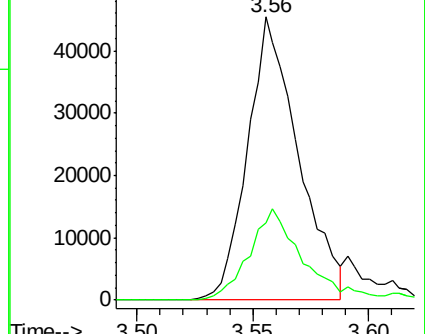
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Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0



#8

Dichlorotetrafluoroethane

Concen: 2.112 ppbv

RT: 3.19 min Scan# 124

Delta R.T. 0.00 min

Lab File: VL037280.D

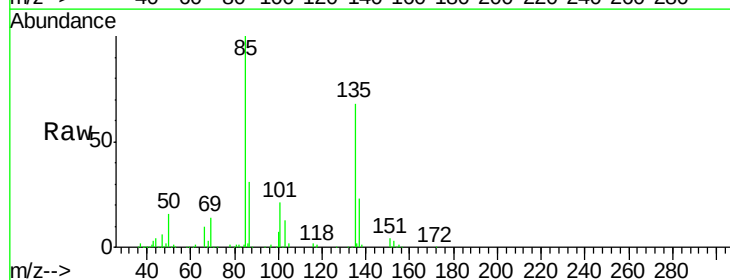
Acq: 27 Jul 2021 3:15

Tgt Ion: 85 Resp: 521797

Ion Ratio Lower Upper

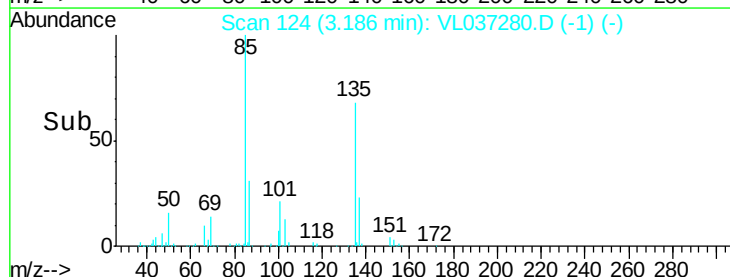
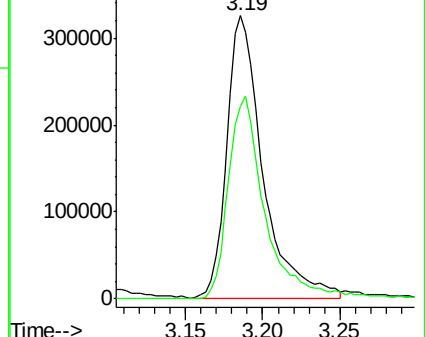
85 100

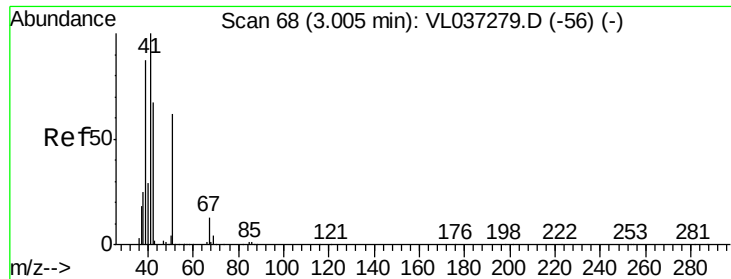
135 74.3 60.3 90.5



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V





#9

Propene

Concen: 1.944 ppbv

RT: 3.01 min Scan# 68

Delta R.T. 0.00 min

Lab File: VL037280.D

Acq: 27 Jul 2021 3:15

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tot Ion: 41 Resp: 166323

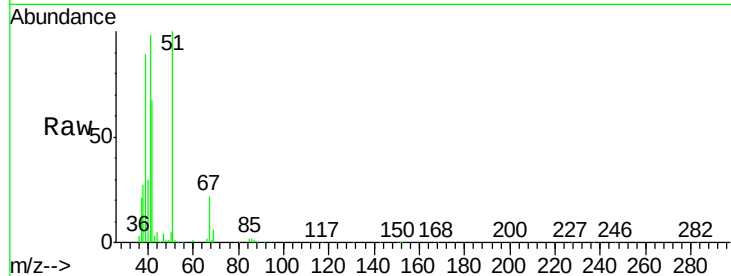
Ion Ratio Lower Upper

41 100

42 70.4 53.4 80.2

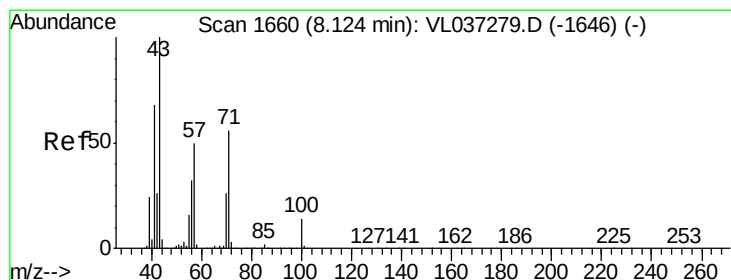
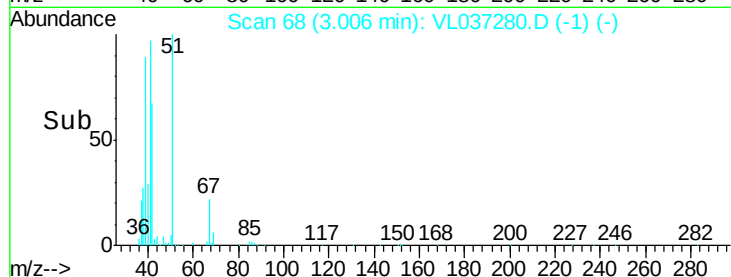
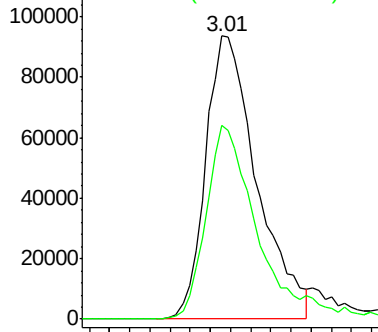
Manual Integrations
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Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0



#10

Heptane

Concen: 1.997 ppbv

RT: 8.12 min Scan# 1660

Delta R.T. 0.00 min

Lab File: VL037280.D

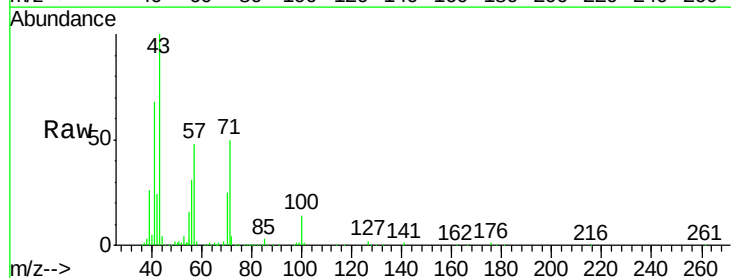
Acq: 27 Jul 2021 3:15

Tgt Ion: 43 Resp: 415053

Ion Ratio Lower Upper

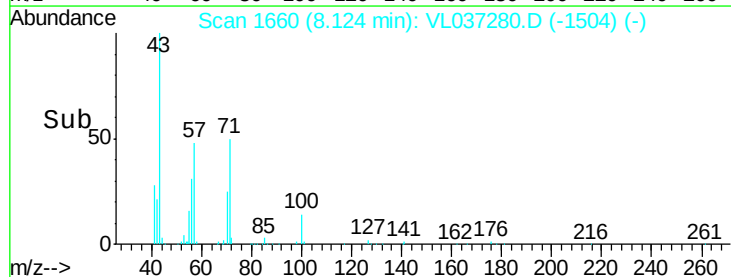
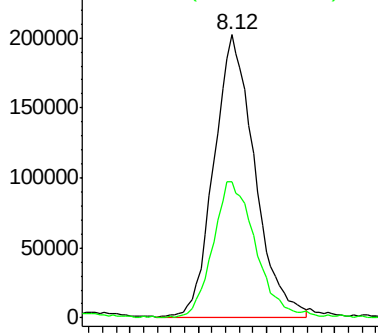
43 100

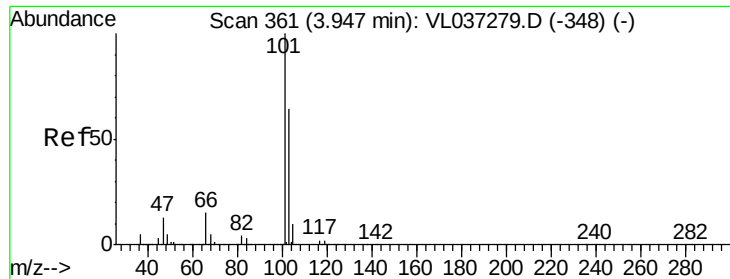
57 52.1 40.1 60.1



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





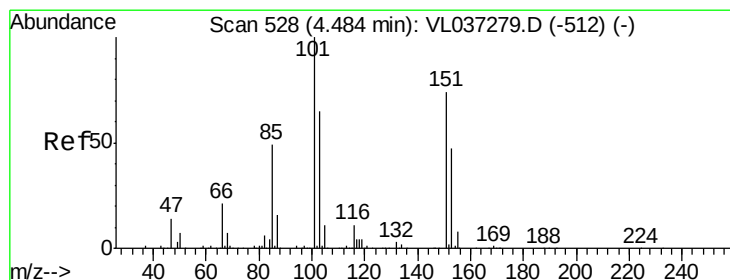
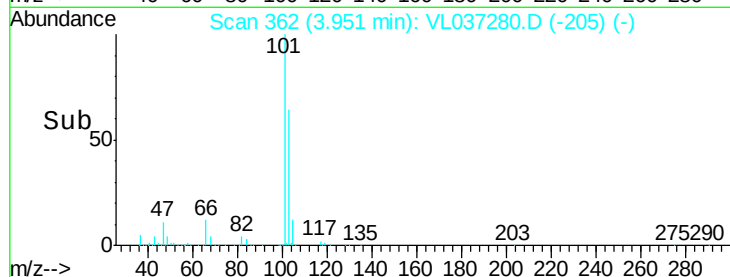
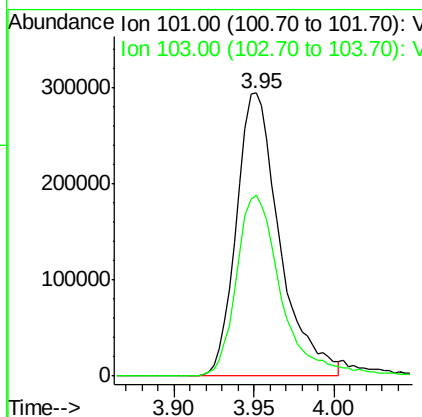
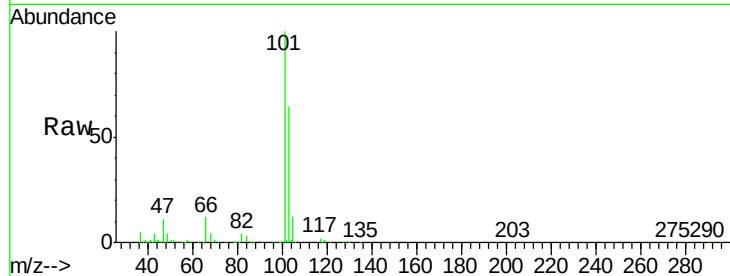
#11
 Trichlorofluoromethane
 Concen: 2.114 ppbv
 RT: 3.95 min Scan# 362
 Delta R.T. 0.00 min
 Lab File: VL037280.D
 Acq: 27 Jul 2021 3:15

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.8	51.4	77.0

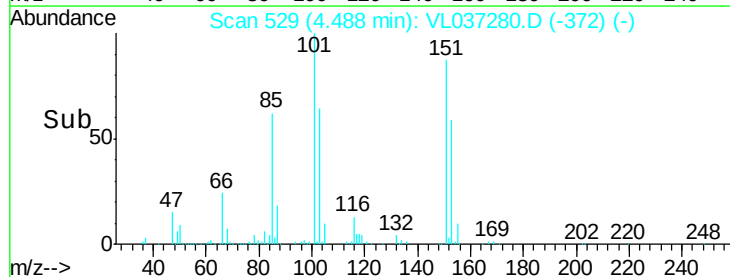
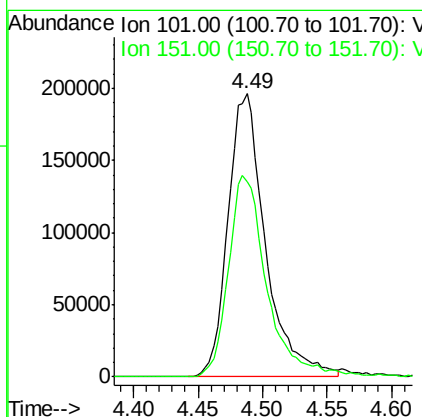
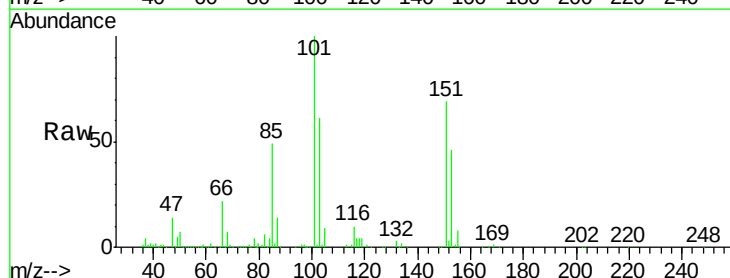
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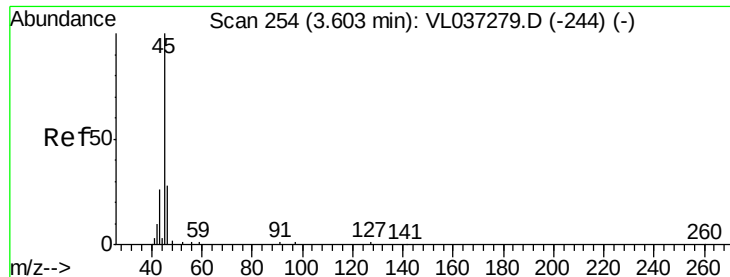
MMDadoda
 8/2/2021 9:03:27 AM



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 2.177 ppbv
 RT: 4.49 min Scan# 529
 Delta R.T. 0.00 min
 Lab File: VL037280.D
 Acq: 27 Jul 2021 3:15

Tgt Ion	Ratio	Lower	Upper
101	100		
151	73.3	59.3	88.9





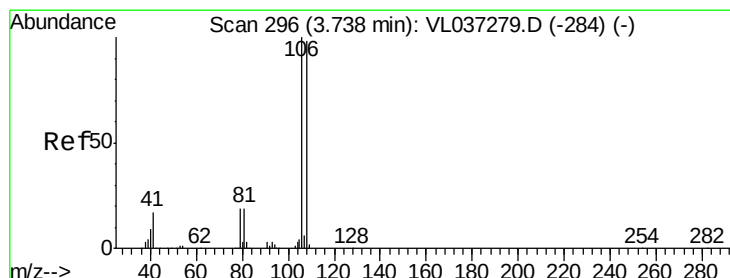
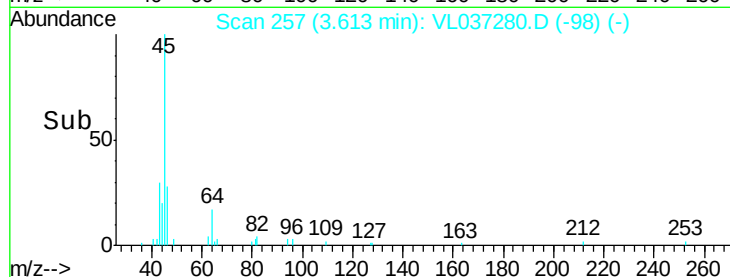
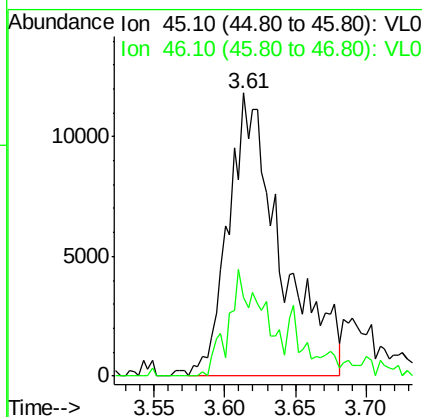
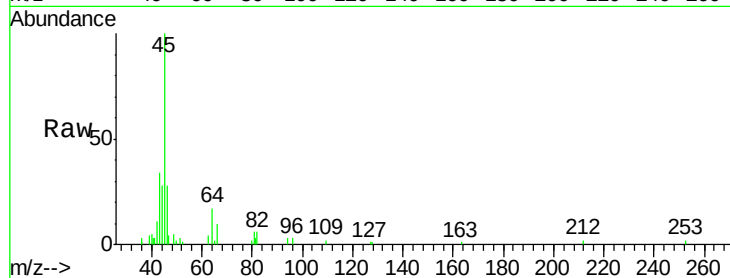
#13
Ethanol
Concen: 2.360 ppbv m
RT: 3.61 min Scan# 257
Delta R.T. 0.01 min
Lab File: VL037280.D
Acq: 27 Jul 2021 3:15

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion	45	Resp	30585
Ion Ratio	100	Lower	Upper
46	34.1	15.1	60.3

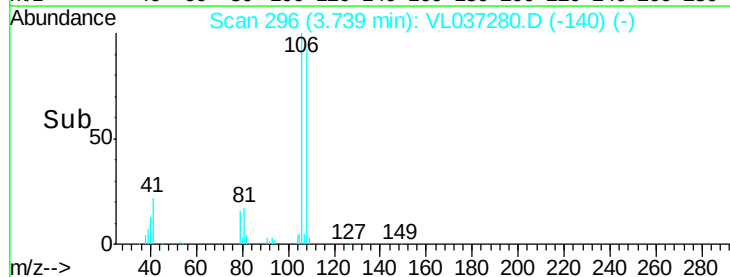
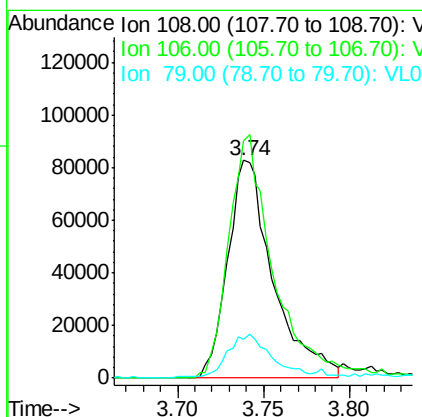
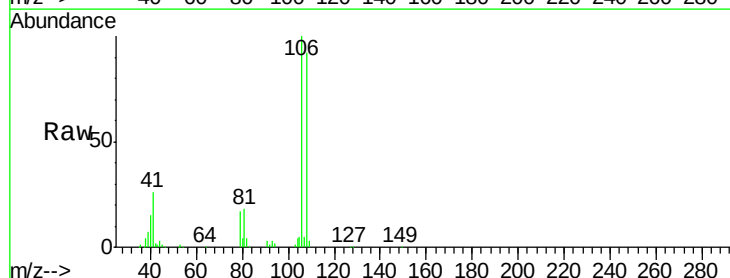
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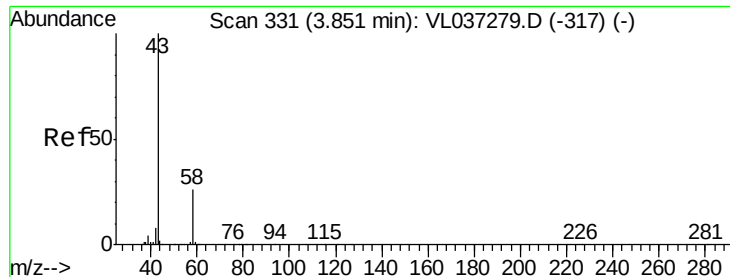
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#14
Bromoethene
Concen: 2.011 ppbv
RT: 3.74 min Scan# 296
Delta R.T. 0.00 min
Lab File: VL037280.D
Acq: 27 Jul 2021 3:15

Tgt Ion	108	Resp	152119
Ion Ratio	100	Lower	Upper
106	114.2	86.0	129.0
79	21.5	16.0	24.0





#15

Acetone

Concen: 3.525 ppbv

RT: 3.85 min Scan# 331

Delta R.T. 0.00 min

Lab File: VL037280.D

Acq: 27 Jul 2021 3:15

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tot Ion: 43 Resp: 559611

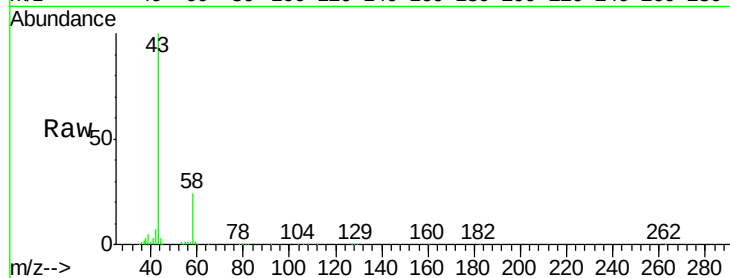
Ion Ratio Lower Upper

43 100

58 42.3 22.3 33.5#

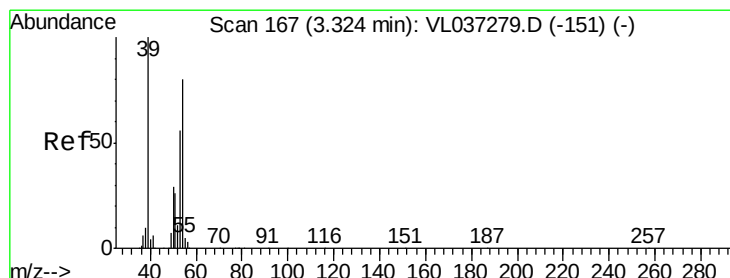
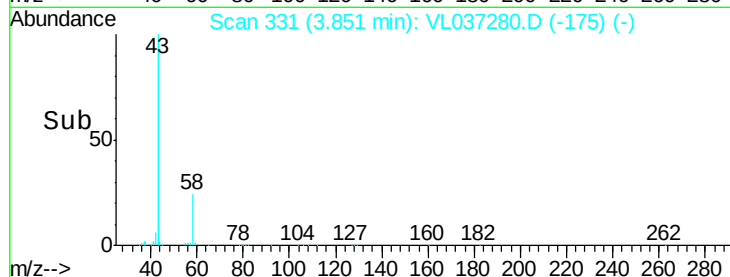
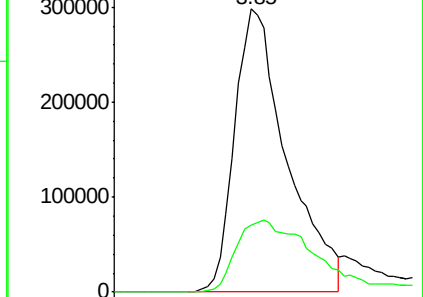
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Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#16

1,3-Butadiene

Concen: 1.910 ppbv

RT: 3.33 min Scan# 169

Delta R.T. 0.01 min

Lab File: VL037280.D

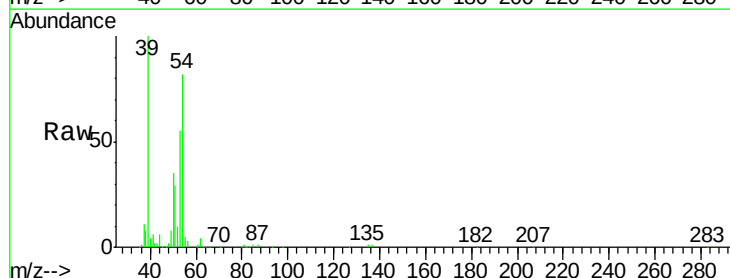
Acq: 27 Jul 2021 3:15

Tgt Ion: 39 Resp: 176120

Ion Ratio Lower Upper

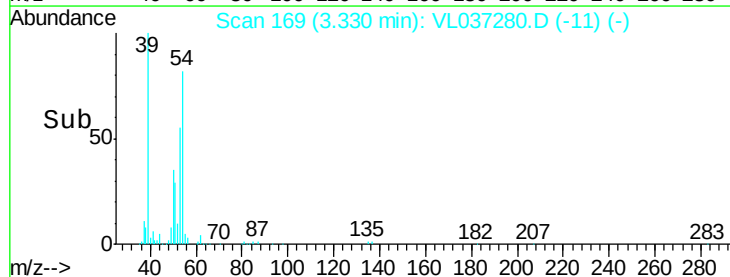
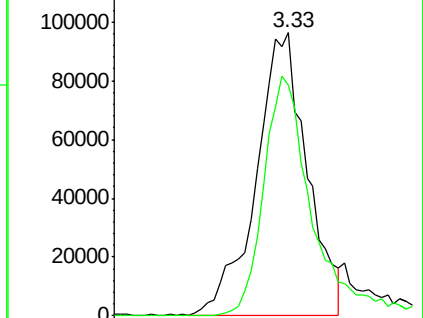
39 100

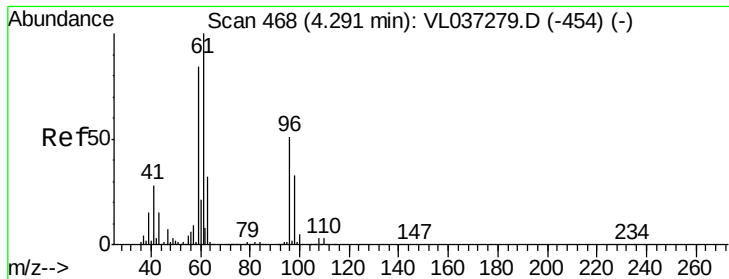
54 83.3 60.4 90.6



Abundance Ion 39.10 (38.80 to 39.80): VL0

Ion 54.10 (53.80 to 54.80): VL0





#17

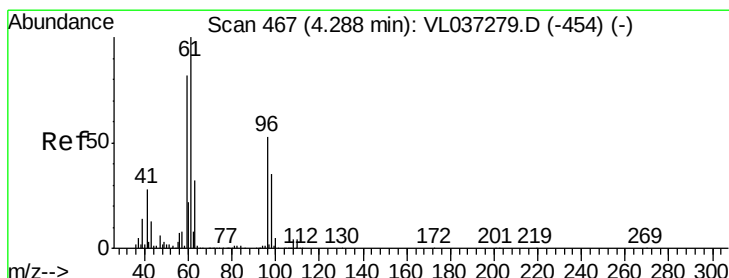
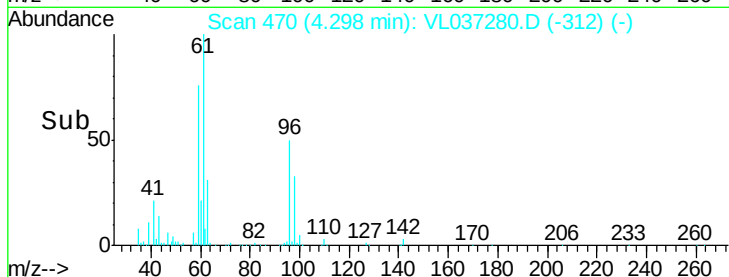
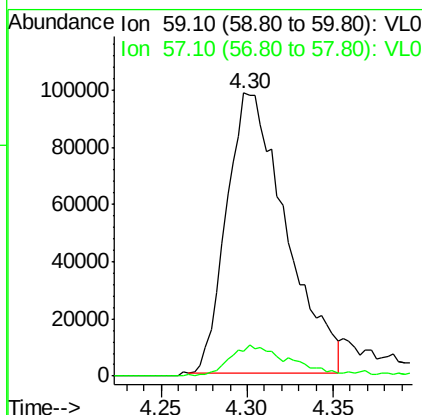
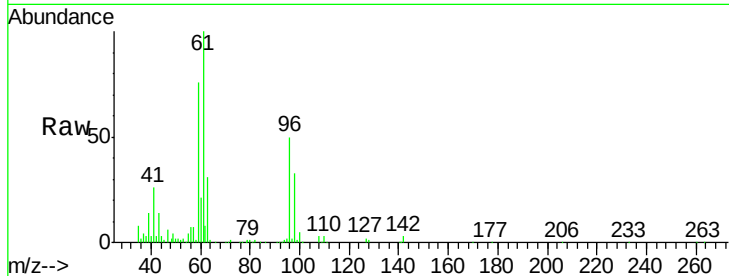
tert-Butyl alcohol
Concen: 1.649 ppbv
RT: 4.30 min Scan# 470
Delta R.T. 0.01 min
Lab File: VL037280.D
Acq: 27 Jul 2021 3:15

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion: 59 Resp: 236834
Ion Ratio Lower Upper
59 100
57 12.8 8.6 13.0

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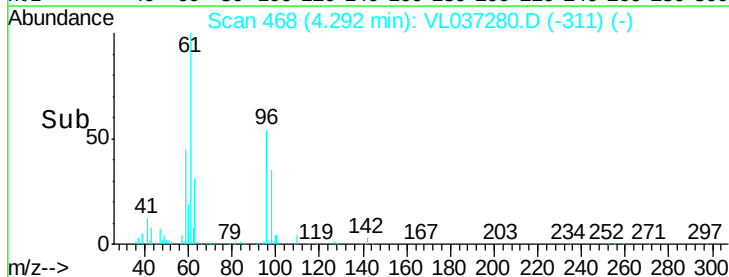
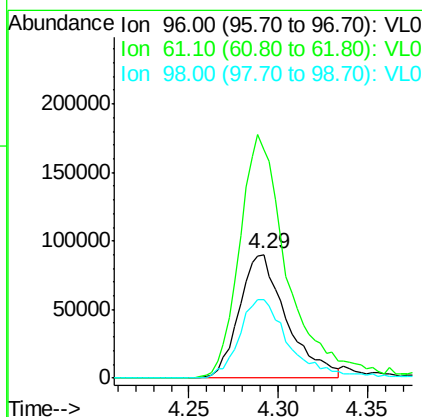
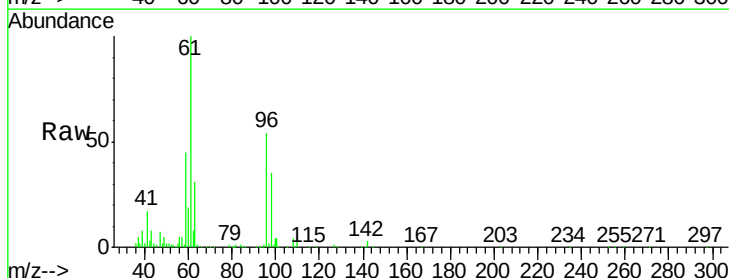
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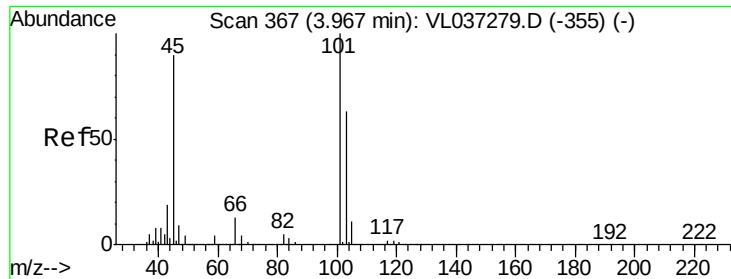


#18

1,1-Dichloroethene
Concen: 2.051 ppbv
RT: 4.29 min Scan# 468
Delta R.T. 0.00 min
Lab File: VL037280.D
Acq: 27 Jul 2021 3:15

Tgt Ion: 96 Resp: 166058
Ion Ratio Lower Upper
96 100
61 184.5 151.4 227.2
98 63.7 52.4 78.6





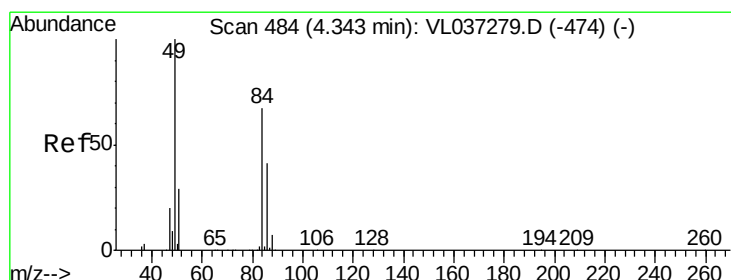
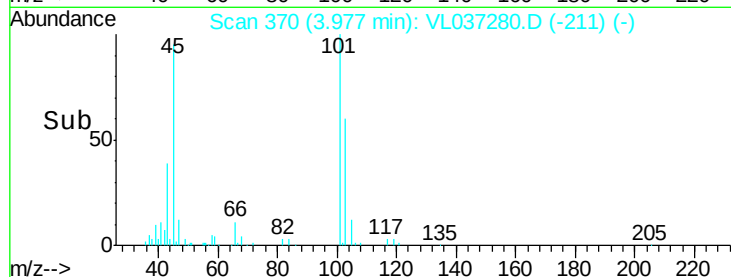
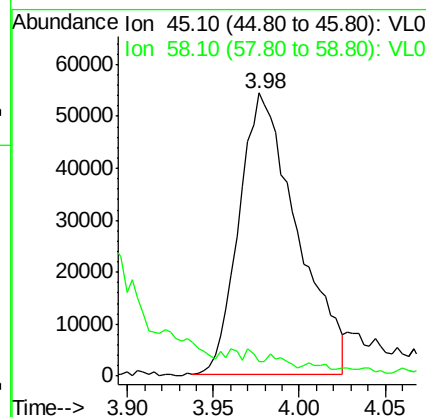
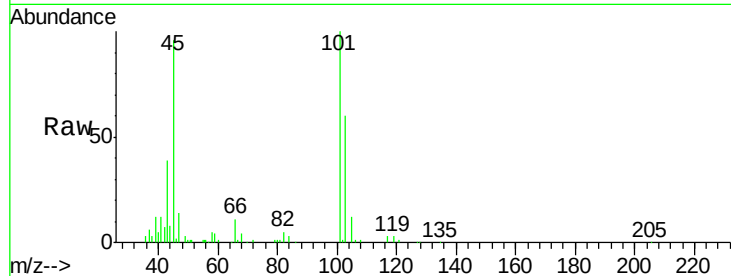
#19
Isopropyl Alcohol
Concen: 1.380 ppbv
RT: 3.98 min Scan# 370
Delta R.T. 0.01 min
Lab File: VL037280.D
Acq: 27 Jul 2021 3:15

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion: 45 Resp: 127233
Ion Ratio Lower Upper
45 100
58 0.0 3.0 4.4#

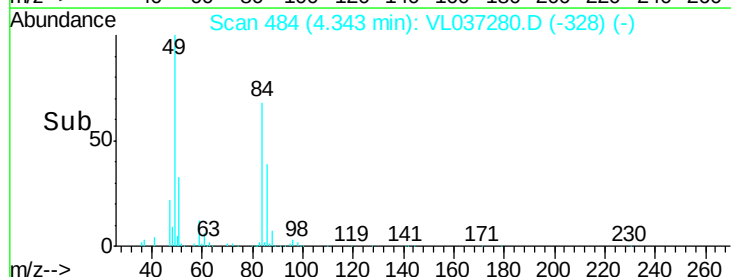
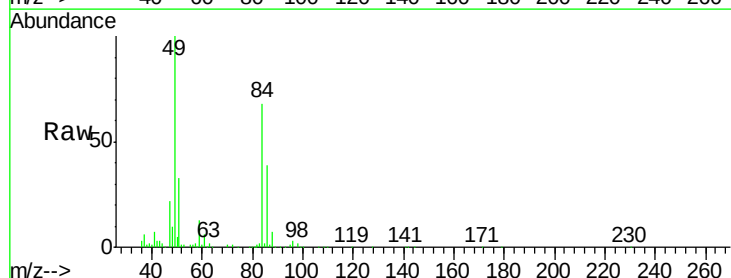
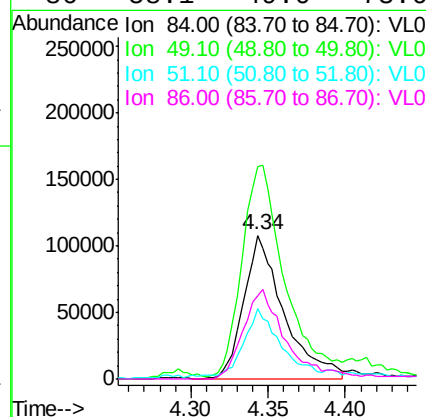
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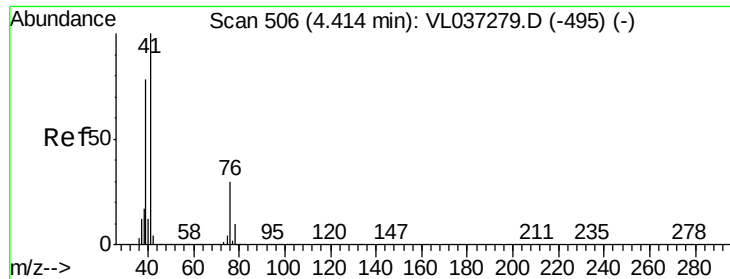
MMDadoda
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#20
Methylene Chloride
Concen: 2.056 ppbv
RT: 4.34 min Scan# 484
Delta R.T. 0.00 min
Lab File: VL037280.D
Acq: 27 Jul 2021 3:15

Tgt Ion: 84 Resp: 193483
Ion Ratio Lower Upper
84 100
49 144.9 119.0 178.6
51 46.4 35.0 52.4
86 58.1 49.0 73.6





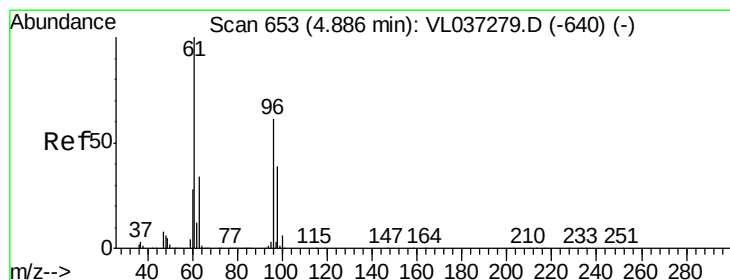
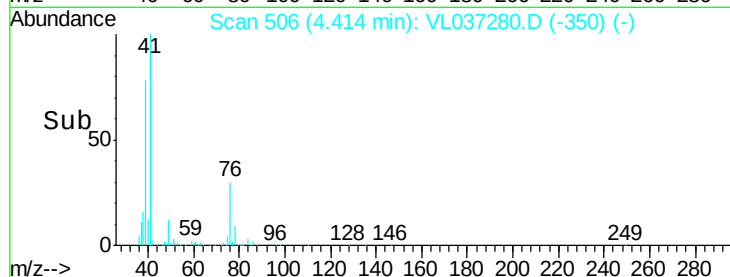
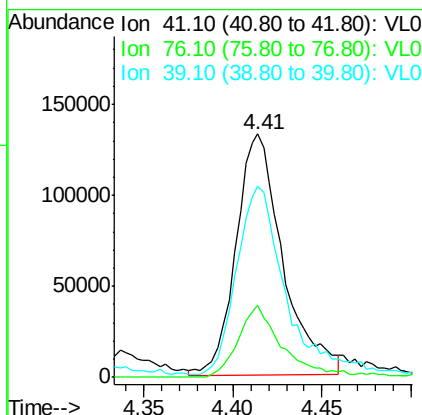
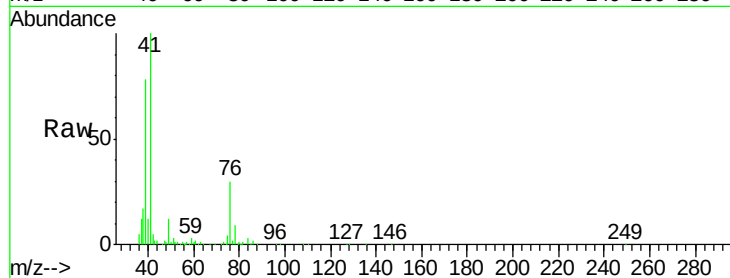
#21
Allvl Chloride
Concen: 2.045 ppbv
RT: 4.41 min Scan# 506
Delta R.T. 0.00 min
Lab File: VL037280.D
Acq: 27 Jul 2021 3:15

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion	Ratio	Lower	Upper
41	100		
76	29.0	23.6	35.4
39	85.7	63.8	95.6

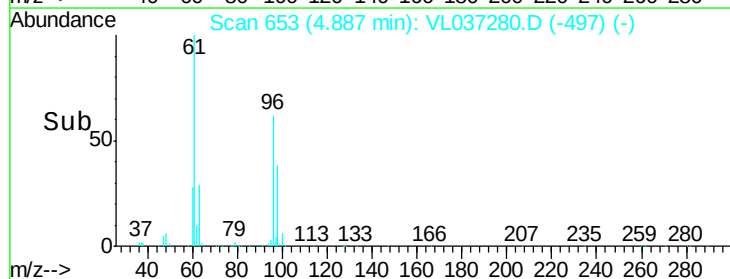
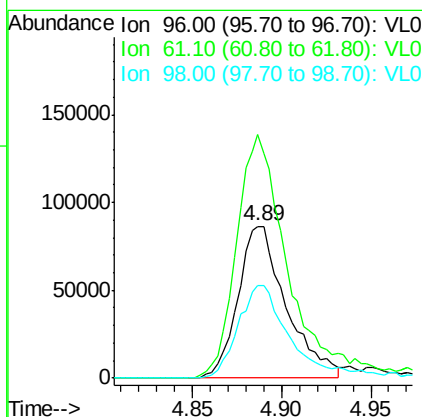
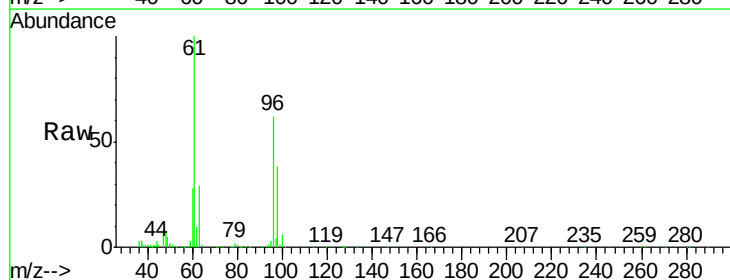
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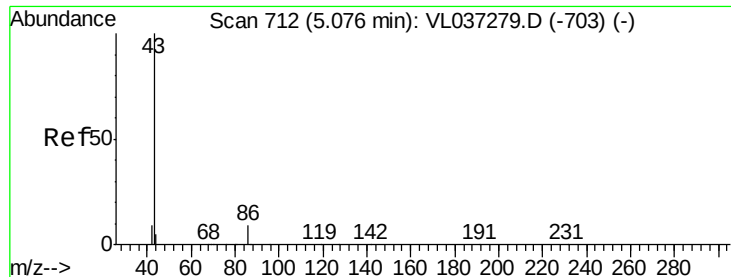
MMDadoda
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#22
trans-1,2-Dichloroethene
Concen: 2.043 ppbv
RT: 4.89 min Scan# 653
Delta R.T. 0.00 min
Lab File: VL037280.D
Acq: 27 Jul 2021 3:15

Tgt Ion	Ratio	Lower	Upper
96	100		
61	159.9	131.8	197.6
98	60.6	51.4	77.2





#23

Vinyl Acetate

Concen: 2.258 ppbv

RT: 5.07 min Scan# 711

Delta R.T. -0.00 min

Lab File: VL037280.D

Acq: 27 Jul 2021 3:15

Instrument :

MSVOA_L

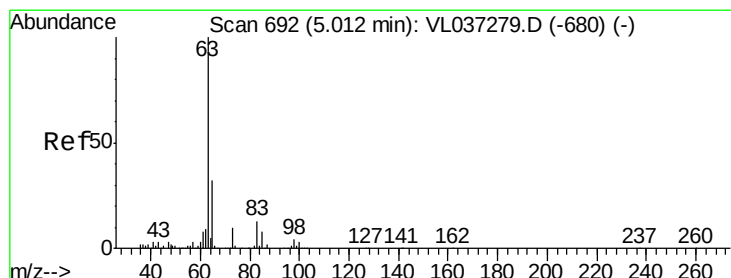
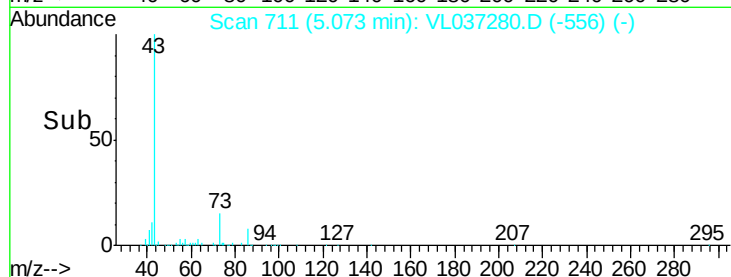
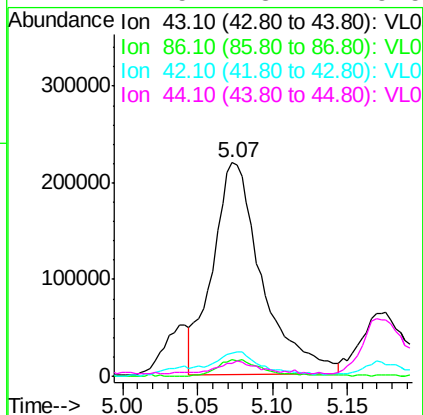
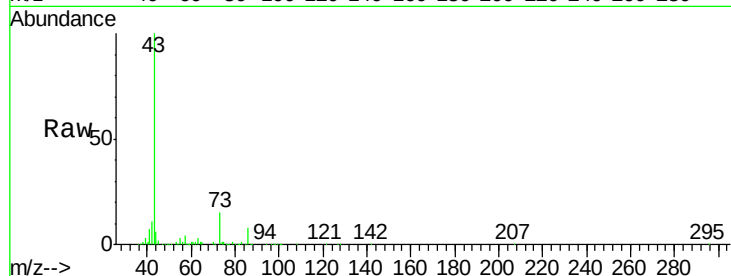
ClientSampleId :

VSTDIC002

Tot Ion	43	Resp	503102
Ion Ratio	Lower	Upper	
43	100		
86	7.9	6.2	9.2
42	10.2	8.2	12.4
44	4.5	3.7	5.5

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#24

1,1-Dichloroethane

Concen: 2.112 ppbv

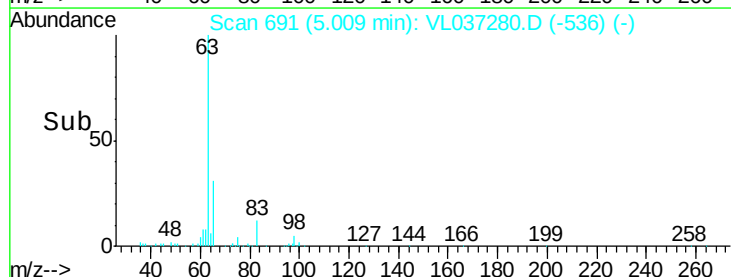
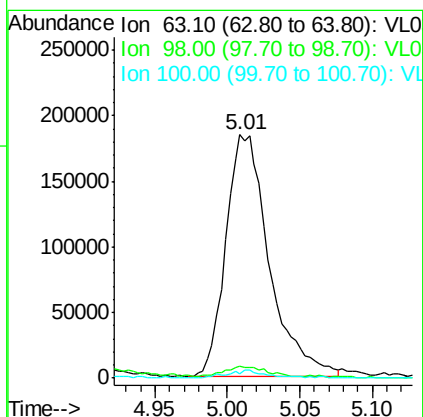
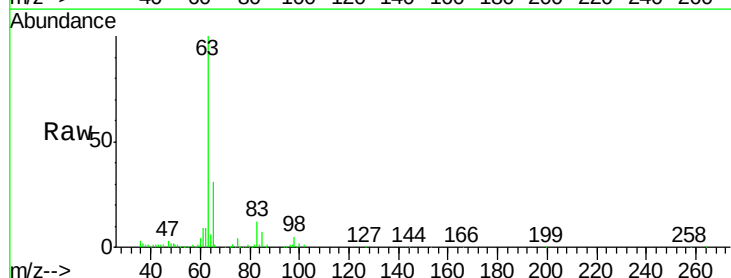
RT: 5.01 min Scan# 691

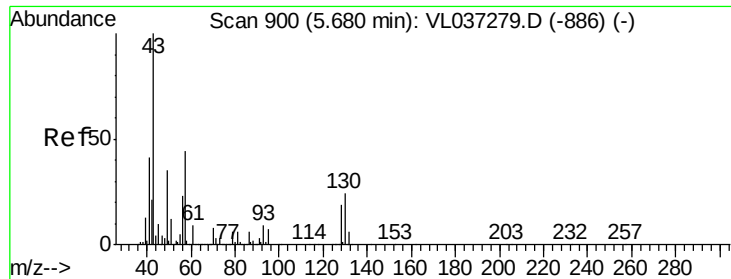
Delta R.T. -0.00 min

Lab File: VL037280.D

Acq: 27 Jul 2021 3:15

Tgt Ion	63	Resp	381628
Ion Ratio	Lower	Upper	
63	100		
98	4.3	2.4	7.1
100	1.9	1.4	4.0





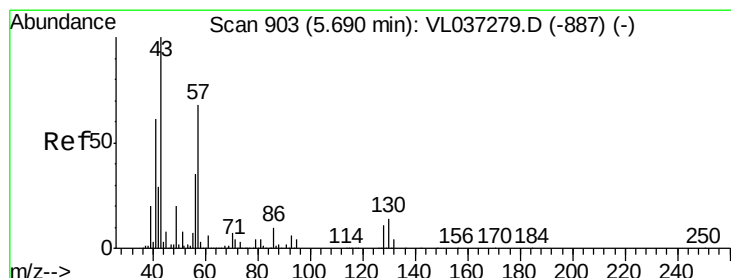
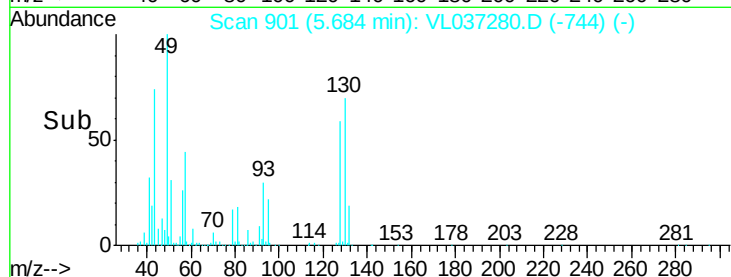
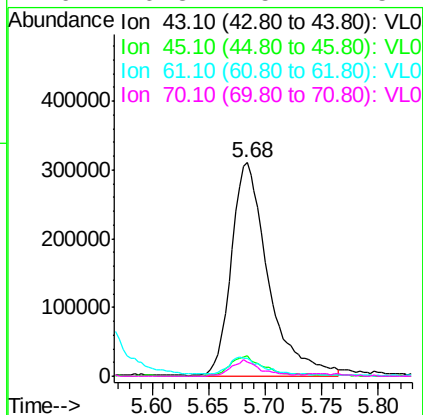
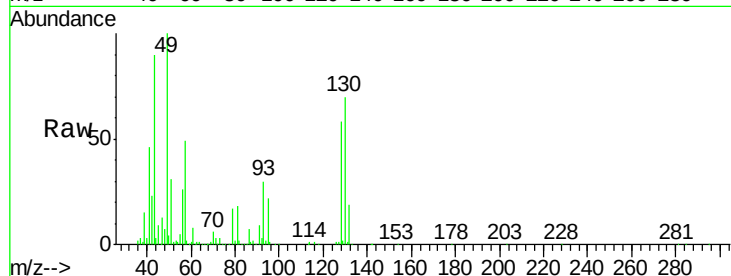
#25
Ethyl Acetate
Concen: 2.074 ppbv
RT: 5.68 min Scan# 901
Delta R.T. 0.00 min
Lab File: VL037280.D
Acq: 27 Jul 2021 3:15

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion	Ratio	Lower	Upper
43	100		
45	8.9	7.8	11.6
61	8.1	8.0	12.0
70	6.3	5.4	8.2

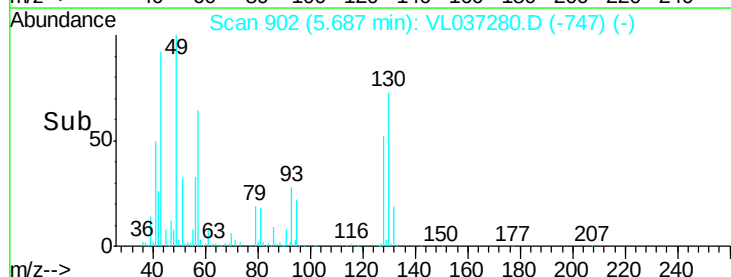
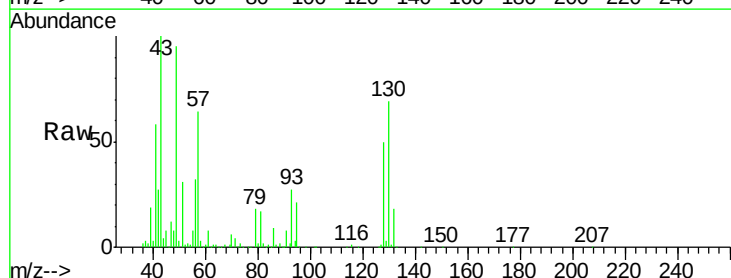
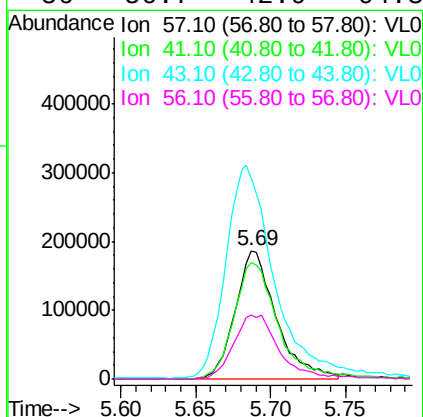
Manual Integrations
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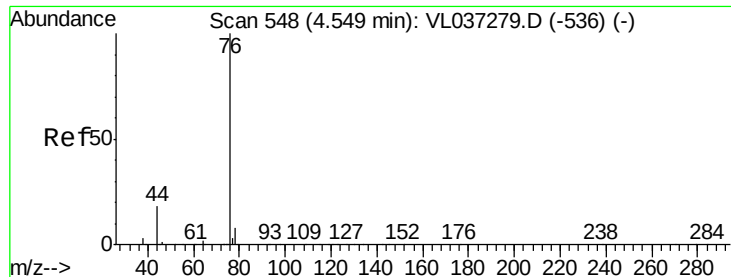
MMDadoda
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#26
Hexane
Concen: 2.089 ppbv
RT: 5.69 min Scan# 902
Delta R.T. -0.00 min
Lab File: VL037280.D
Acq: 27 Jul 2021 3:15

Tgt Ion	Ratio	Lower	Upper
57	100		
41	100.3	75.7	113.5
43	201.0	172.2	258.2
56	56.7	42.9	64.3





#27

Carbon Disulfide

Concen: 2.031 ppbv

RT: 4.55 min Scan# 549

Delta R.T. 0.00 min

Lab File: VL037280.D

Acq: 27 Jul 2021 3:15

Instrument :

MSVOA_L

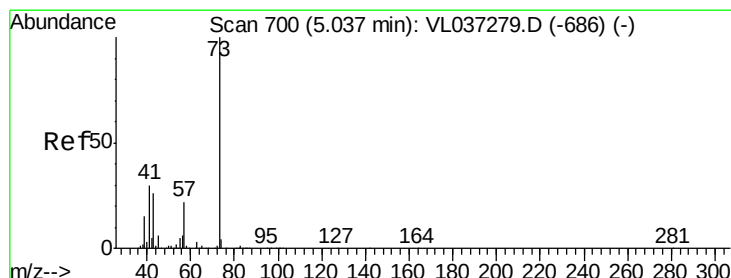
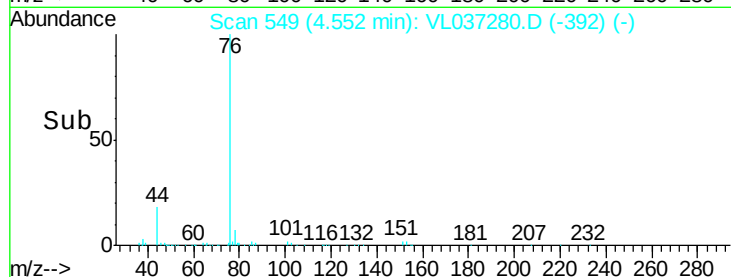
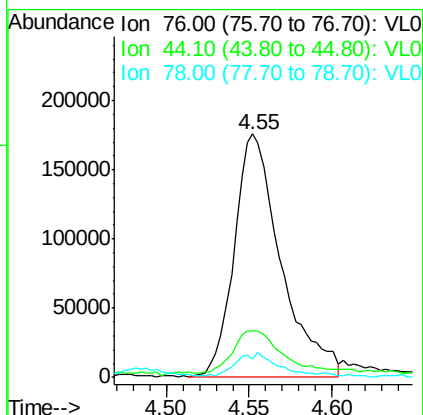
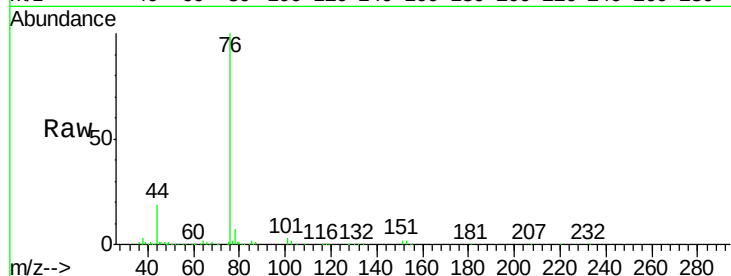
ClientSampleId :

VSTDIC002

Tot Ion:	76	Resp:	341097
Ion Ratio	Lower	Upper	
76	100		
44	21.8	15.8	23.8
78	10.6	8.4	12.6

Manual Integrations
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8/2/2021 9:03:27 AM



#28

Methyl tert-Butyl Ether

Concen: 2.101 ppbv

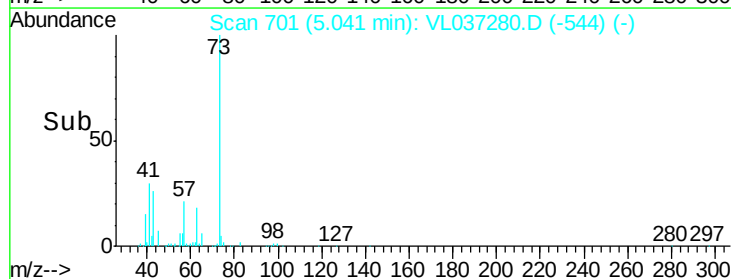
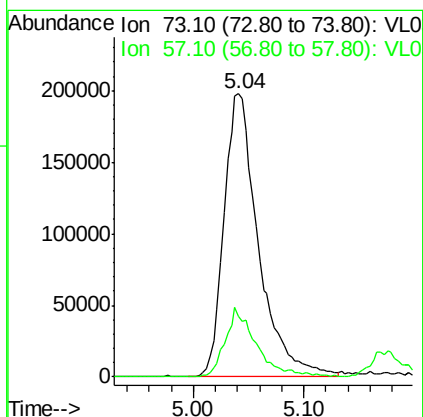
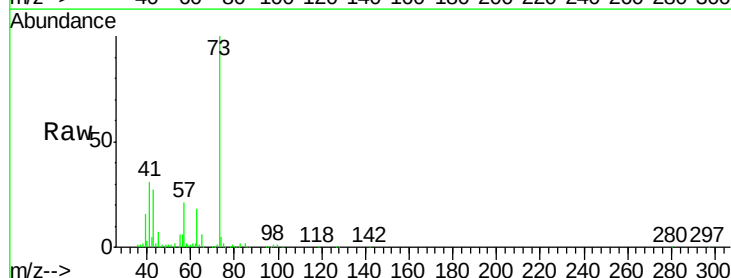
RT: 5.04 min Scan# 701

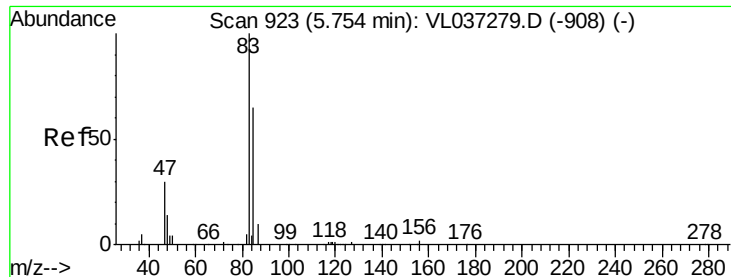
Delta R.T. 0.00 min

Lab File: VL037280.D

Acq: 27 Jul 2021 3:15

Tgt Ion:	73	Resp:	429476
Ion Ratio	Lower	Upper	
73	100		
57	22.3	17.9	26.9





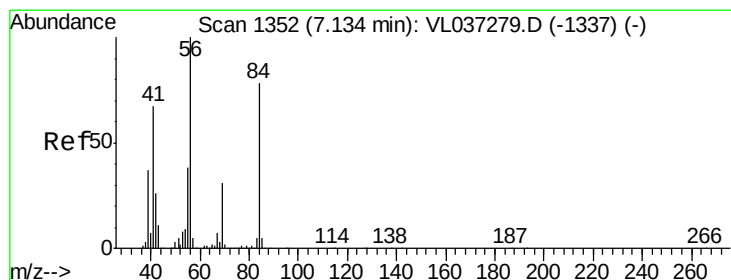
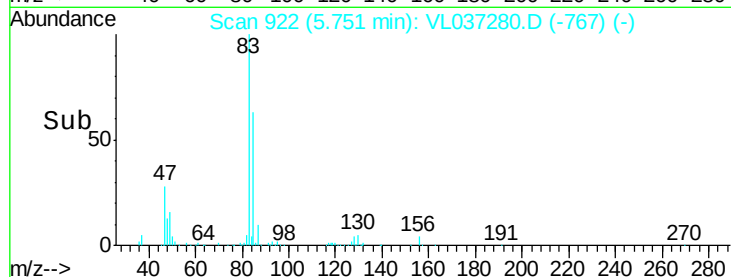
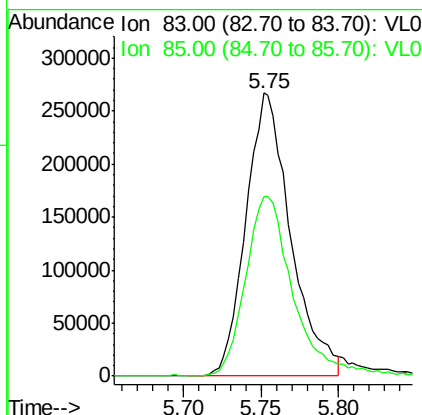
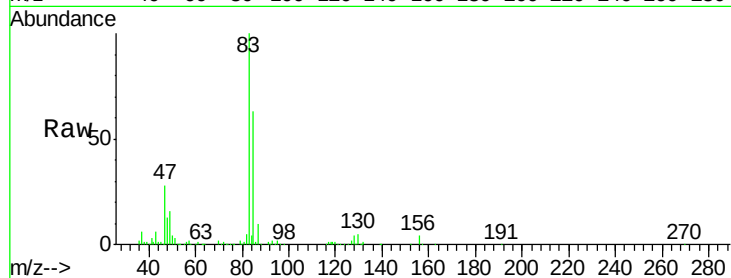
#29
Chloroform
Concen: 2.039 ppbv
RT: 5.75 min Scan# 922
Delta R.T. -0.00 min
Lab File: VL037280.D
Acq: 27 Jul 2021 3:15

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion	83	Resp	539464
Ion Ratio	100	Lower	Upper
83	100		
85	63.0	52.2	78.2

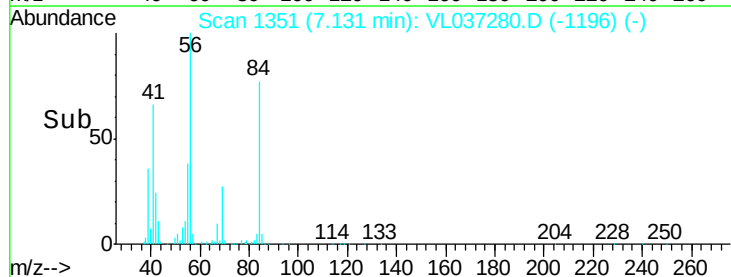
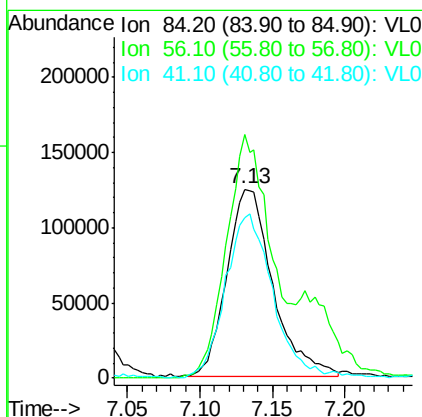
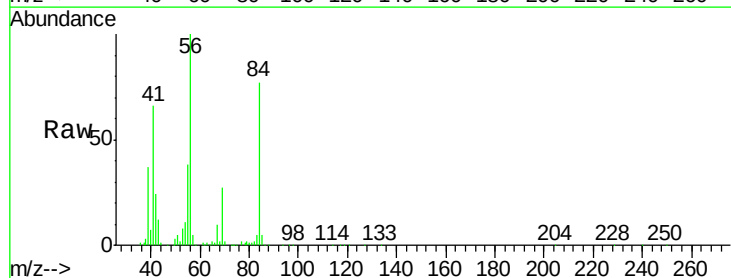
Manual Integrations
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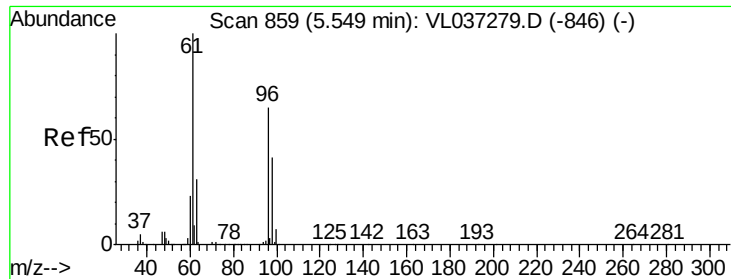
MMDadoda
8/2/2021 9:03:27 AM



#30
Cyclohexane
Concen: 1.940 ppbv
RT: 7.13 min Scan# 1351
Delta R.T. -0.00 min
Lab File: VL037280.D
Acq: 27 Jul 2021 3:15

Tgt Ion	84	Resp	274847
Ion Ratio	100	Lower	Upper
84	100		
56	164.9	106.3	159.5#
41	90.9	68.6	103.0





#31

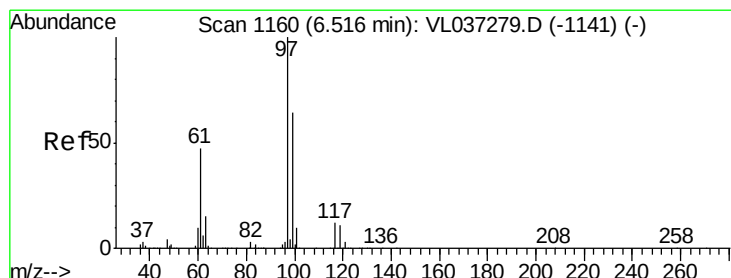
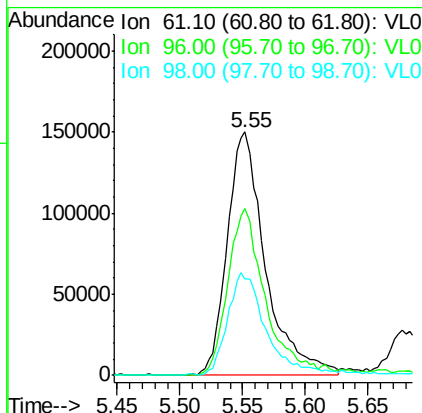
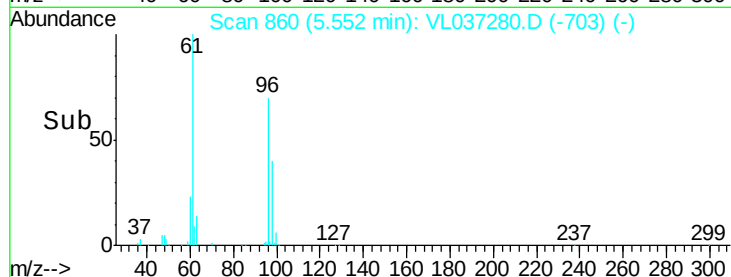
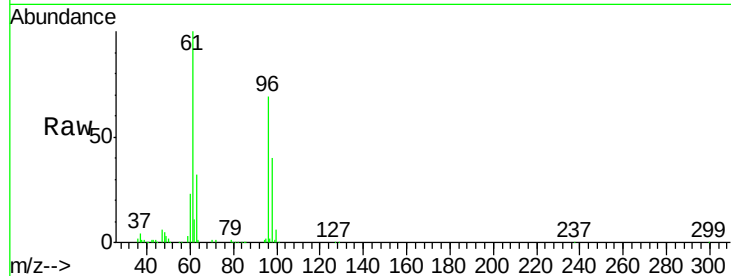
cis-1,2-Dichloroethene
Concen: 2.027 ppbv
RT: 5.55 min Scan# 860
Delta R.T. 0.00 min
Lab File: VL037280.D
Acq: 27 Jul 2021 3:15

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion:	61	Resp:	317733
Ion Ratio	Lower	Upper	
61	100		
96	68.6	52.1	78.1
98	39.1	32.6	49.0

Manual Integrations
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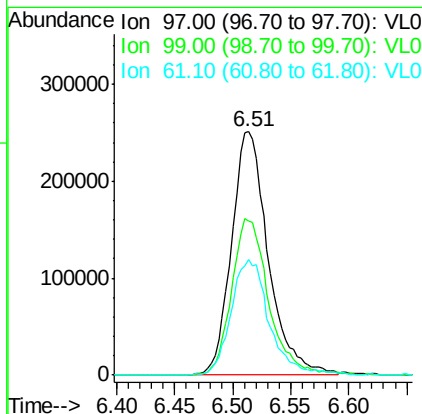
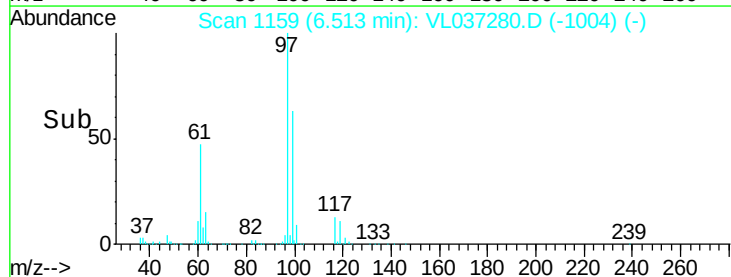
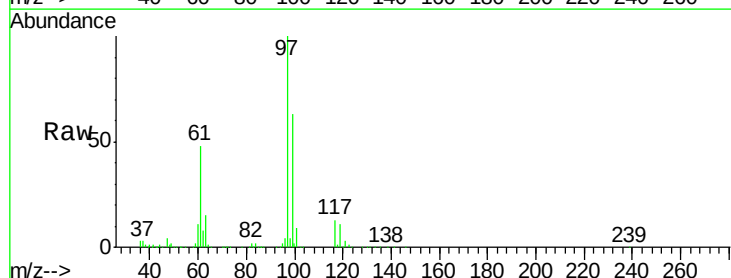
MMDadoda
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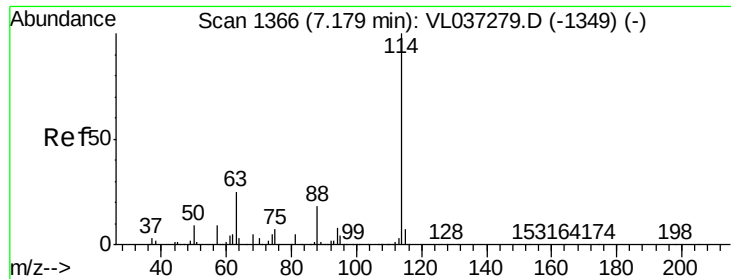


#32

1,1,1-Trichloroethane
Concen: 1.956 ppbv
RT: 6.51 min Scan# 1159
Delta R.T. -0.00 min
Lab File: VL037280.D
Acq: 27 Jul 2021 3:15

Tgt Ion:	97	Resp:	550930
Ion Ratio	Lower	Upper	
97	100		
99	65.2	52.2	78.2
61	49.5	39.1	58.7





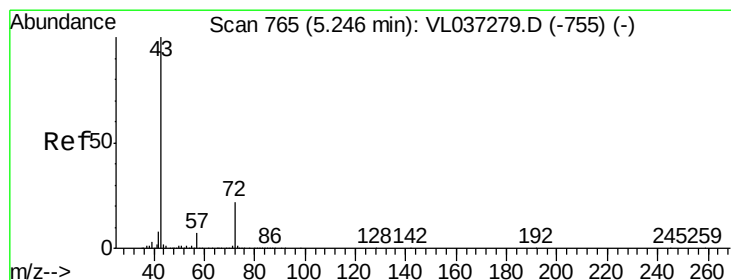
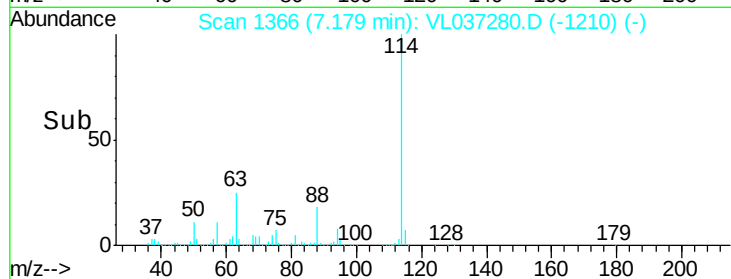
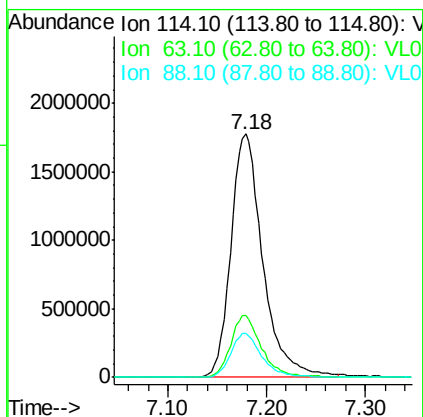
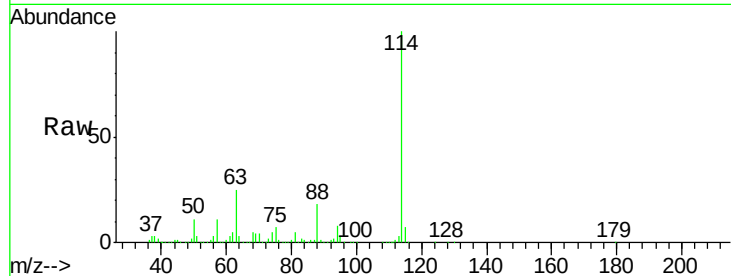
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.18 min Scan# 1366
 Delta R.T. 0.00 min
 Lab File: VL037280.D
 Acq: 27 Jul 2021 3:15

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Tot Ion	Ratio	Lower	Upper
114	100		
63	25.0	20.2	30.2
88	17.8	14.2	21.4

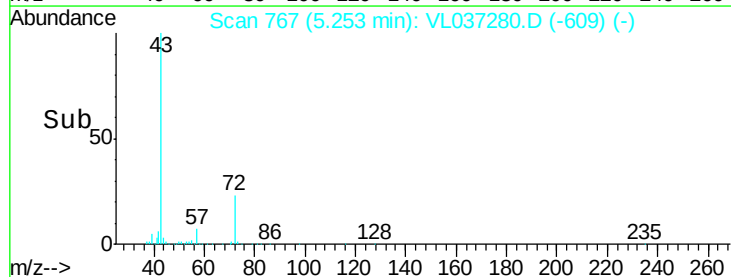
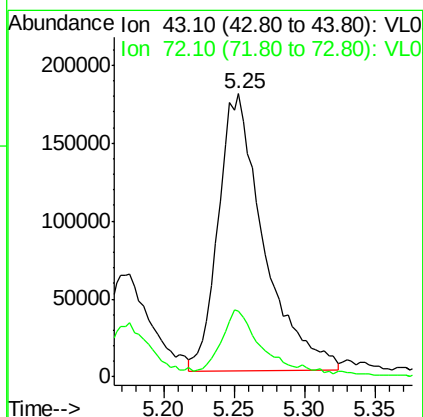
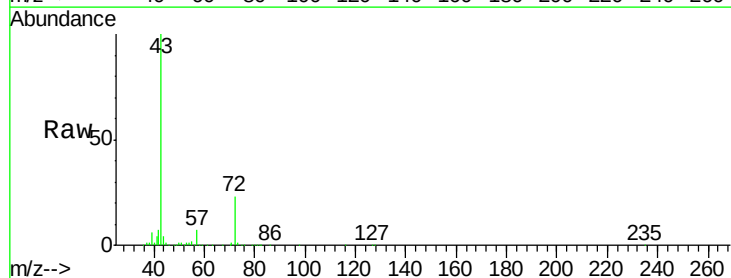
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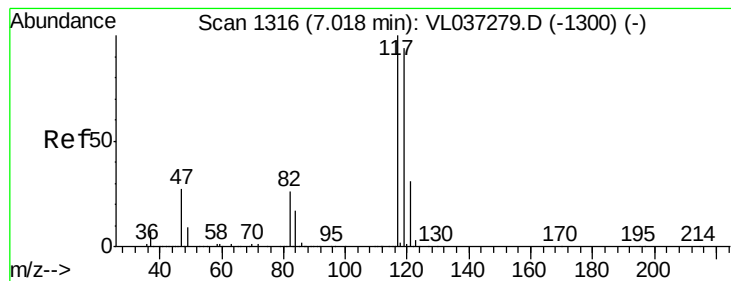
MMDadoda
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#34
 2-Butanone
 Concen: 2.541 ppbv
 RT: 5.25 min Scan# 767
 Delta R.T. 0.01 min
 Lab File: VL037280.D
 Acq: 27 Jul 2021 3:15

Tgt Ion	Ratio	Lower	Upper
43	100		
72	24.3	17.9	26.9





#35

Carbon Tetrachloride

Concen: 2.166 ppbv

RT: 7.02 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VL037280.D

Acq: 27 Jul 2021 3:15

Instrument :

MSVOA_L

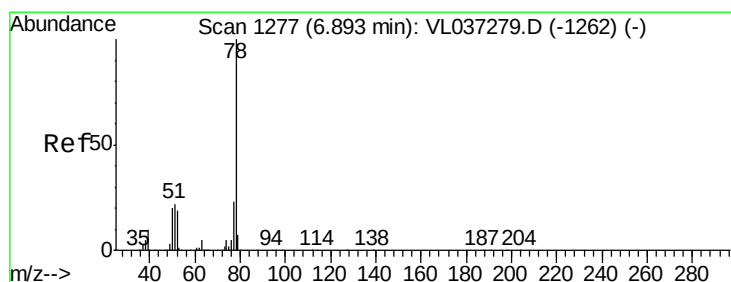
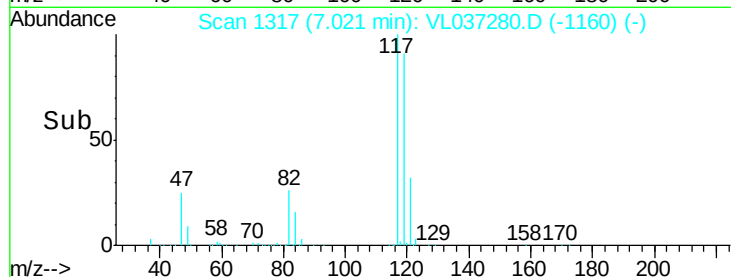
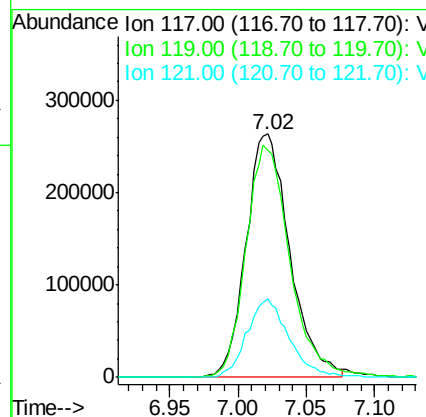
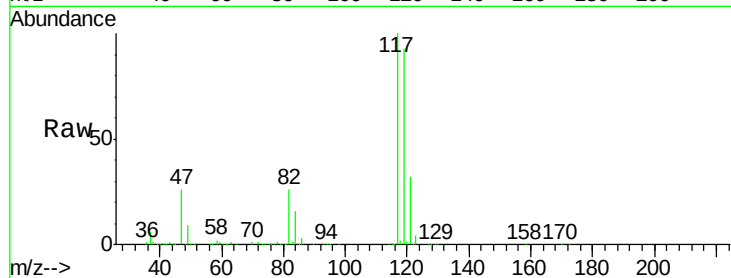
ClientSampleId :

VSTDIC002

Tot Ion:	117	Resp:	587375
Ion Ratio	Lower	Upper	
117	100		
119	93.3	75.4	113.0
121	32.0	24.8	37.2

Manual Integrations
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8/2/2021 9:03:27 AM



#36

Benzene

Concen: 2.045 ppbv

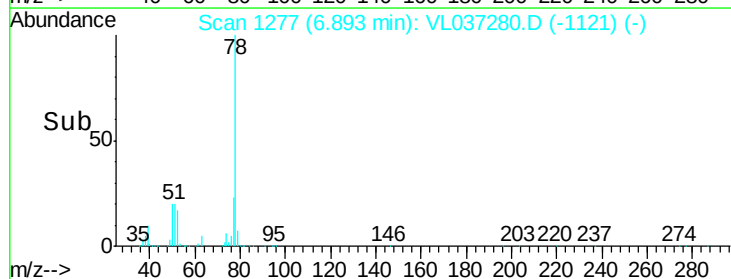
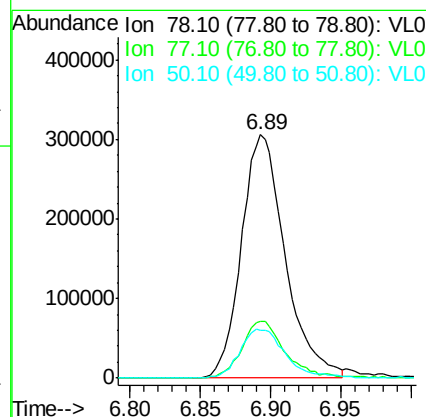
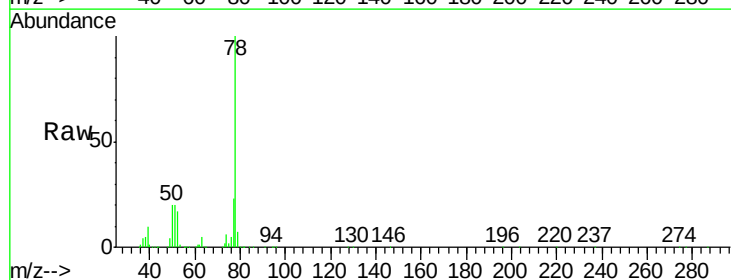
RT: 6.89 min Scan# 1277

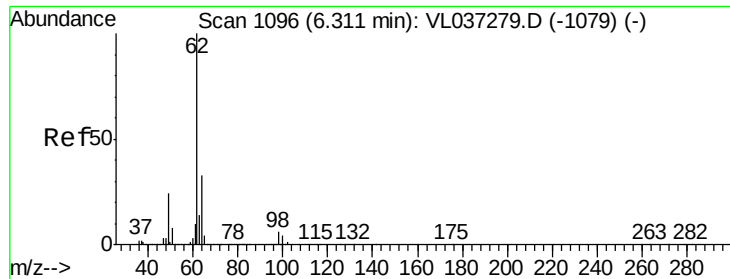
Delta R.T. 0.00 min

Lab File: VL037280.D

Acq: 27 Jul 2021 3:15

Tgt Ion:	78	Resp:	664369
Ion Ratio	Lower	Upper	
78	100		
77	23.3	18.5	27.7
50	19.3	16.2	24.4





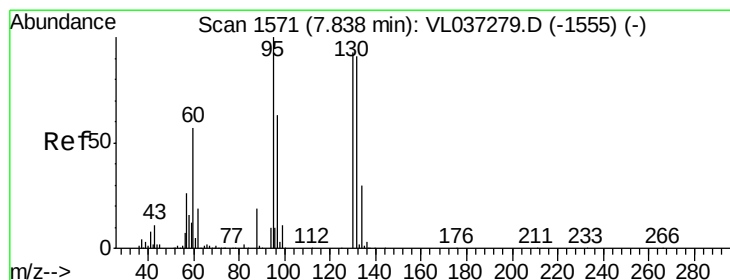
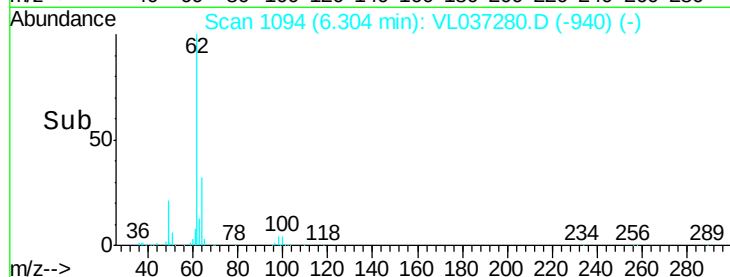
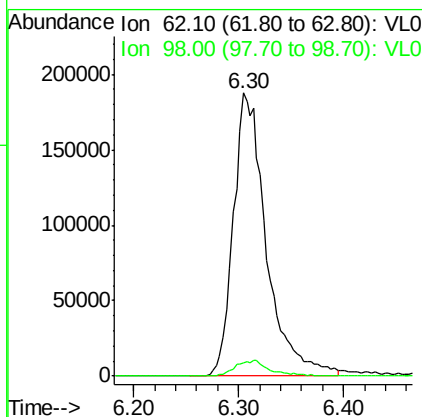
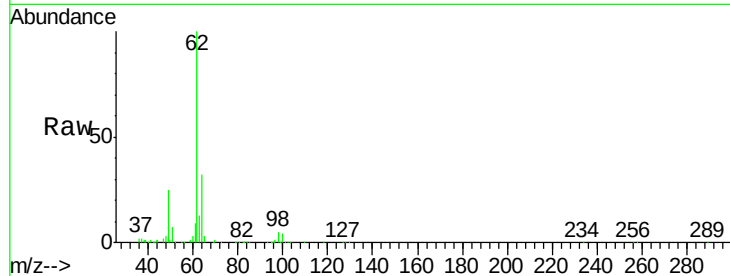
#37
 1,2-Dichloroethane
 Concen: 2.144 ppbv m
 RT: 6.30 min Scan# 1094
 Delta R.T. -0.01 min
 Lab File: VL037280.D
 Acq: 27 Jul 2021 3:15

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Tot Ion	Ratio	Lower	Upper
62	100		
98	6.0	4.9	7.3

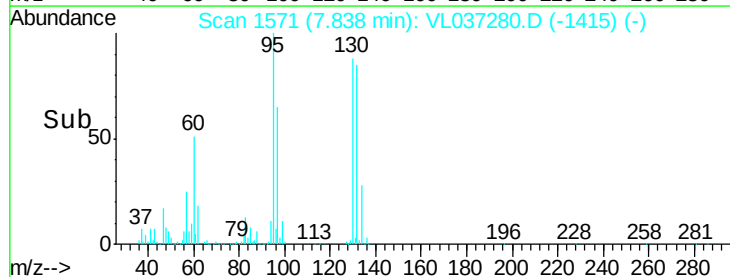
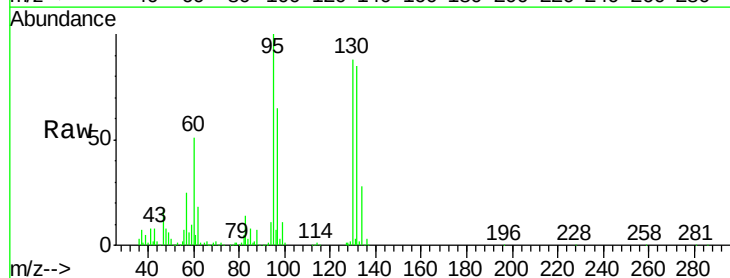
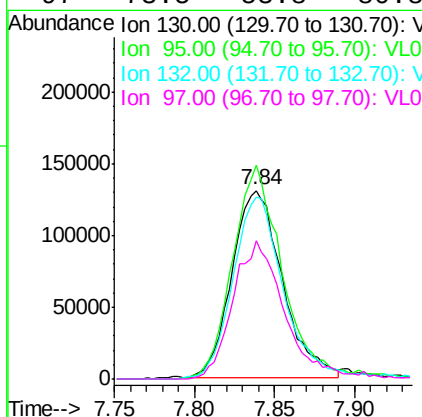
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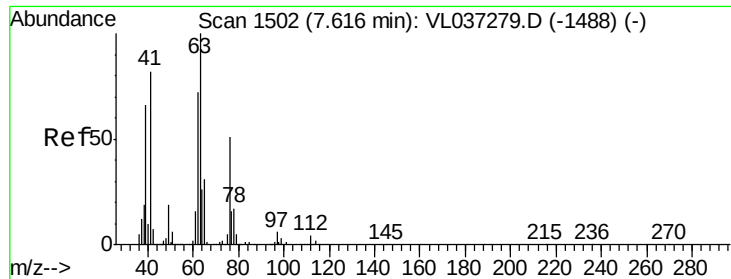
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#38
 Trichloroethene
 Concen: 1.836 ppbv
 RT: 7.84 min Scan# 1571
 Delta R.T. 0.00 min
 Lab File: VL037280.D
 Acq: 27 Jul 2021 3:15

Tgt Ion	Ratio	Lower	Upper
130	100		
95	113.3	86.2	129.2
132	95.8	78.0	117.0
97	73.5	53.8	80.8





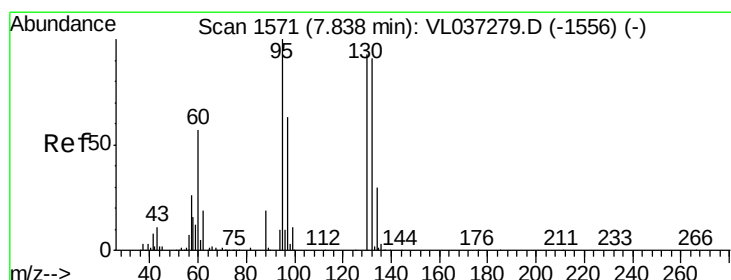
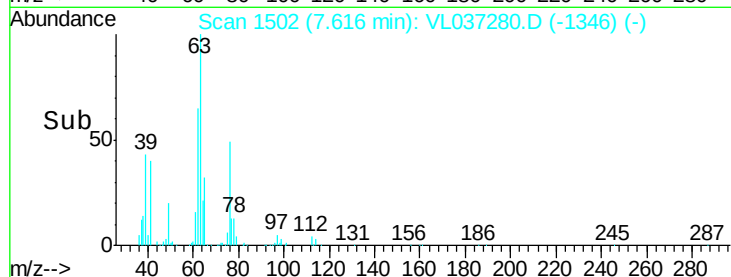
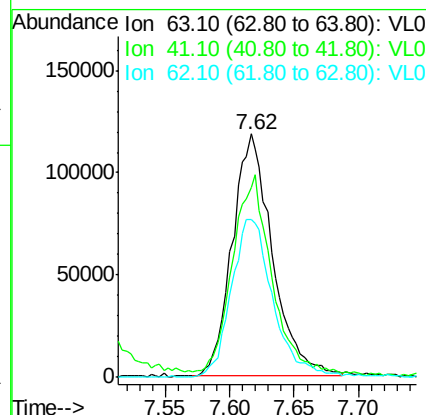
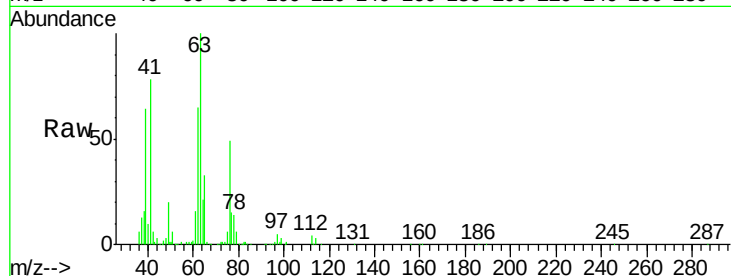
#39
 1,2-Dichloropropane
 Concen: 2.115 ppbv
 RT: 7.62 min Scan# 1502
 Delta R.T. 0.00 min
 Lab File: VL037280.D
 Acq: 27 Jul 2021 3:15

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Tot Ion	Ratio	Lower	Upper
63	100		
41	76.7	65.6	98.4
62	65.1	57.9	86.9

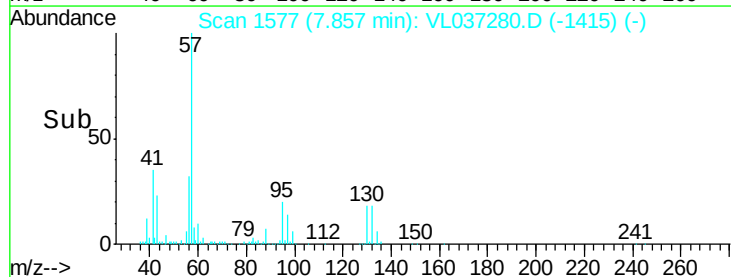
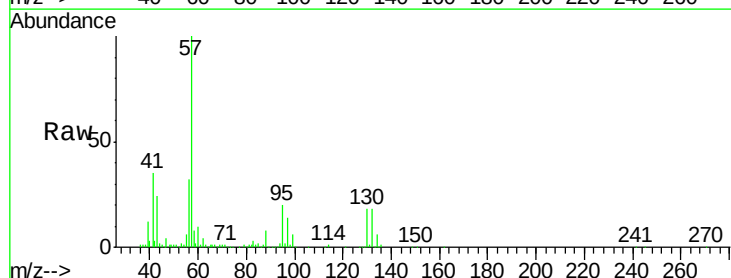
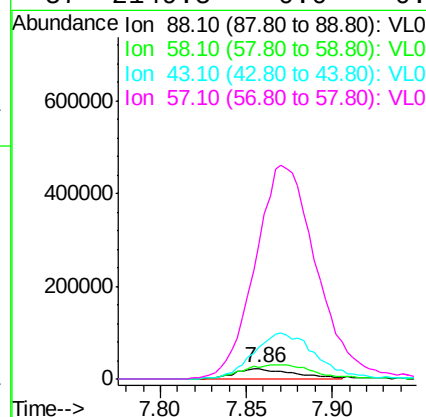
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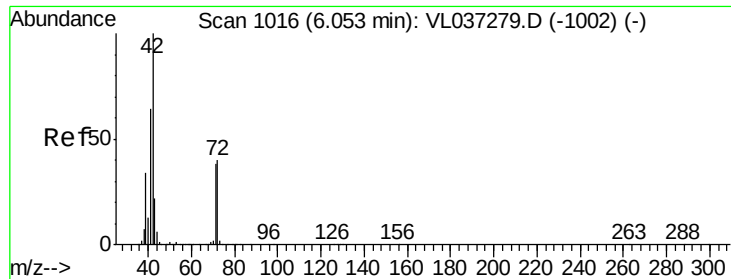
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 8/2/2021 9:03:27 AM



#40
 1,4-Dioxane
 Concen: 1.648 ppbv
 RT: 7.86 min Scan# 1577
 Delta R.T. 0.02 min
 Lab File: VL037280.D
 Acq: 27 Jul 2021 3:15

Tgt Ion	Ratio	Lower	Upper
88	100		
58	171.0	0.0	0.0#
43	474.6	0.0	0.0#
57	2149.5	0.0	0.0#





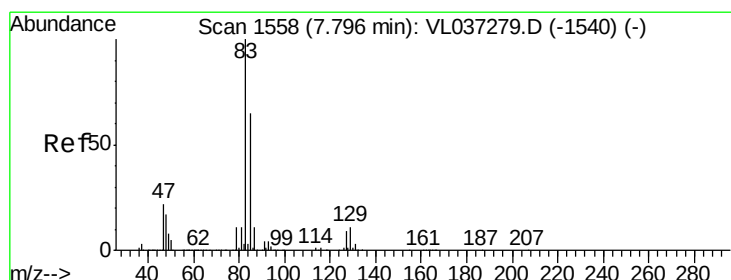
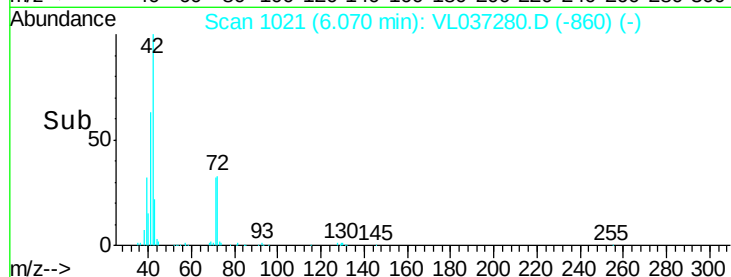
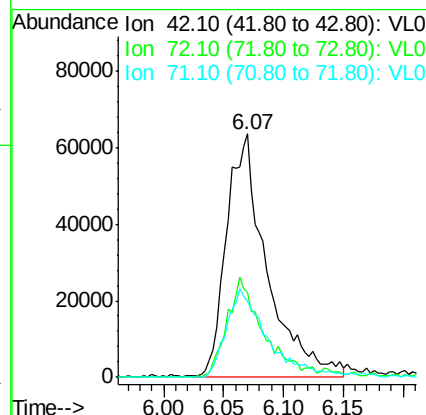
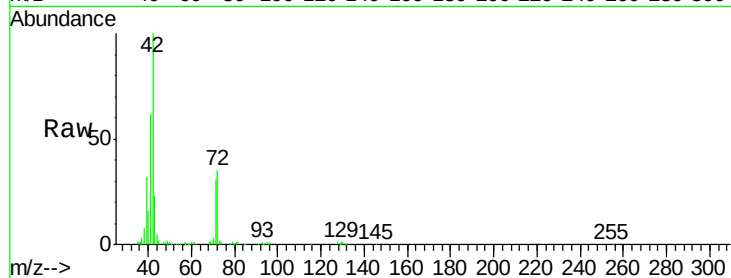
#41
Tetrahydrofuran
Concen: 2.063 ppbv m
RT: 6.07 min Scan# 1021
Delta R.T. 0.02 min
Lab File: VL037280.D
Acq: 27 Jul 2021 3:15

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion	Ratio	Lower	Upper
42	100		
72	0.0	31.4	47.0#
71	0.0	31.0	46.6#

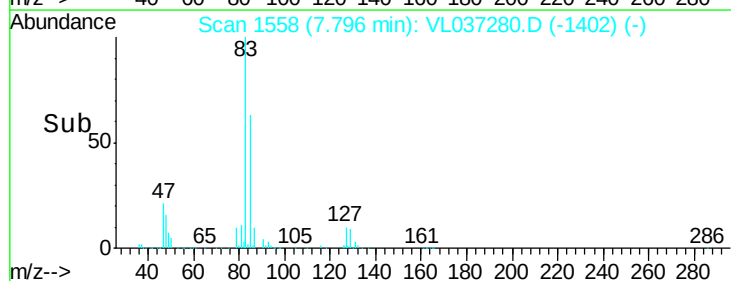
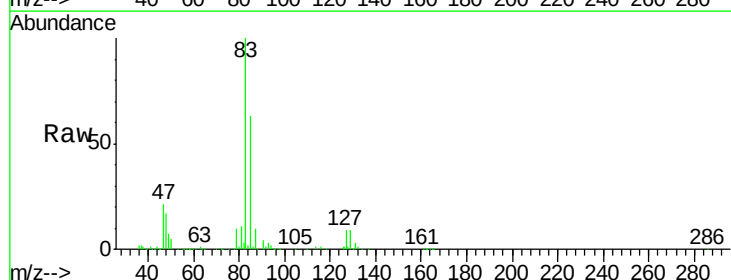
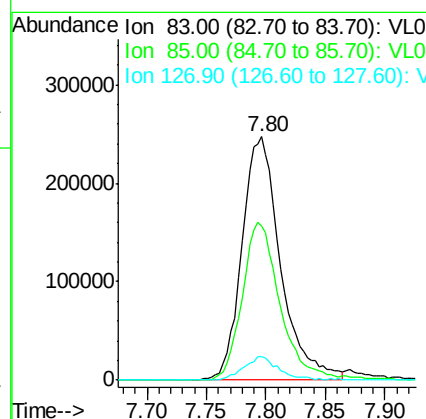
Manual Integrations
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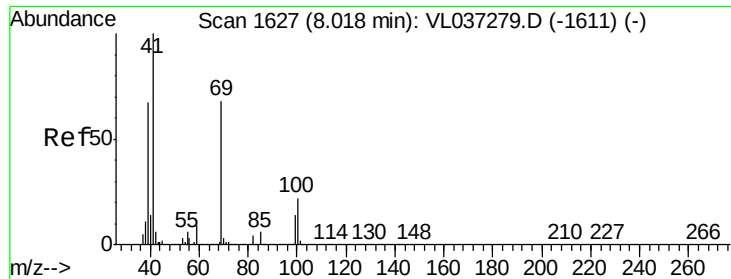
MMDadoda
8/2/2021 9:03:27 AM



#42
Bromodichloromethane
Concen: 2.126 ppbv
RT: 7.80 min Scan# 1558
Delta R.T. 0.00 min
Lab File: VL037280.D
Acq: 27 Jul 2021 3:15

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.2	51.7	77.5
127	9.5	7.4	11.0





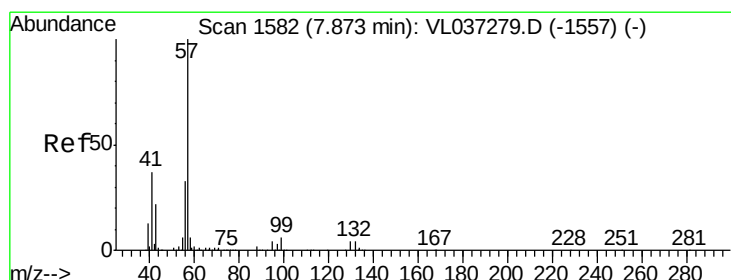
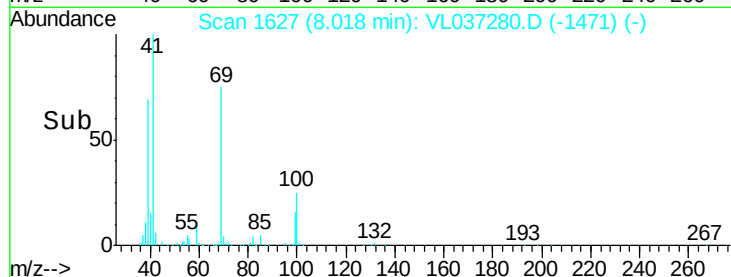
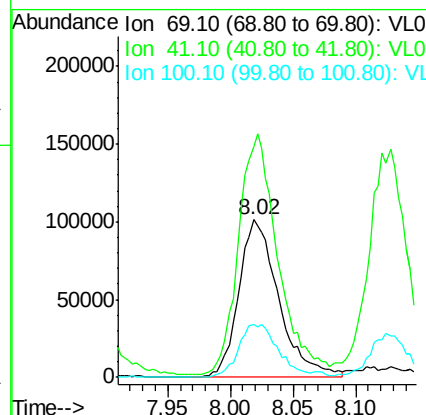
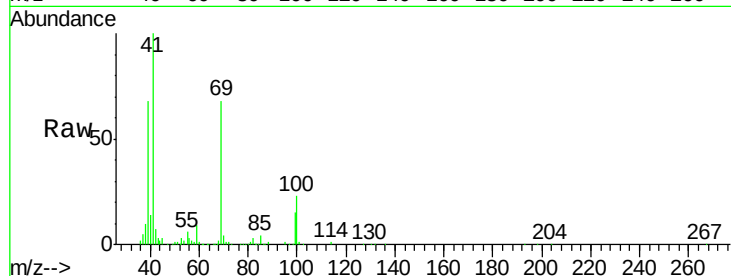
#43
Methyl Methacrylate
Concen: 2.007 ppbv
RT: 8.02 min Scan# 1627
Delta R.T. 0.00 min
Lab File: VL037280.D
Acq: 27 Jul 2021 3:15

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion	Ratio	Lower	Upper
69	100		
41	151.4	121.5	182.3
100	34.7	27.4	41.2

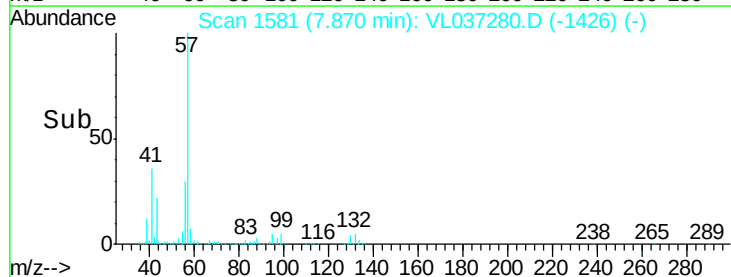
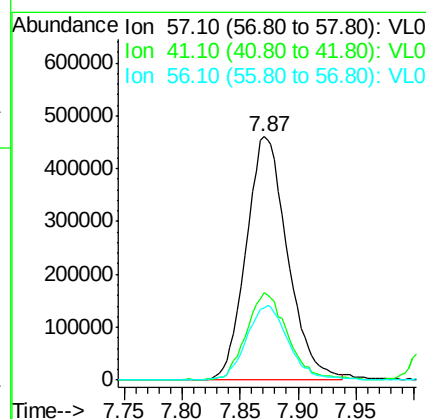
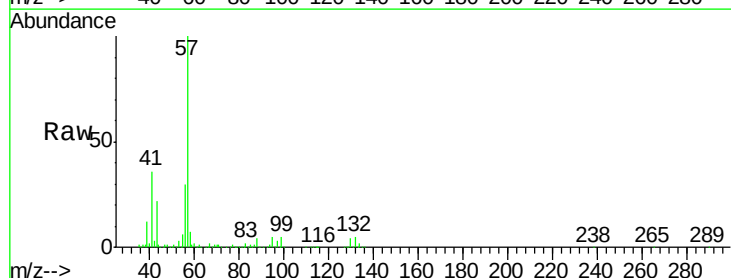
Manual Integrations
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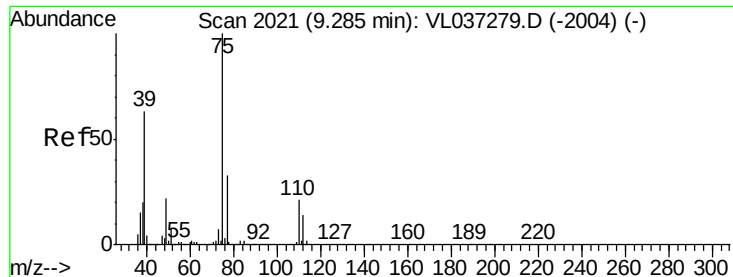
MMDadoda
8/2/2021 9:03:27 AM



#44
2,2,4-Trimethylpentane
Concen: 2.084 ppbv
RT: 7.87 min Scan# 1581
Delta R.T. -0.00 min
Lab File: VL037280.D
Acq: 27 Jul 2021 3:15

Tgt Ion	Ratio	Lower	Upper
57	100		
41	35.9	28.9	43.3
56	31.5	25.1	37.7





#45

t-1,3-Dichloropropene

Concen: 1.852 ppbv

RT: 9.29 min Scan# 2021

Delta R.T. 0.00 min

Lab File: VL037280.D

Acq: 27 Jul 2021 3:15

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tot Ion: 75 Resp: 179370

Ion Ratio Lower Upper

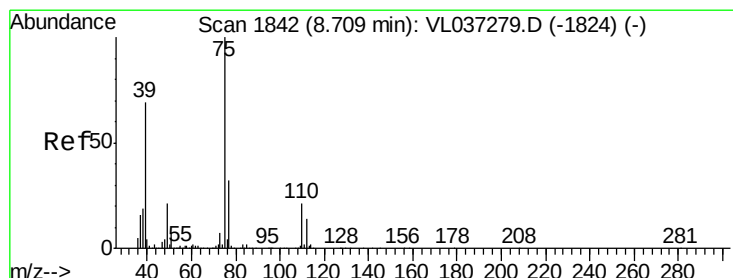
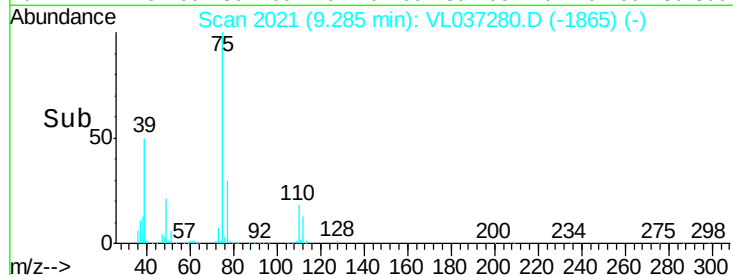
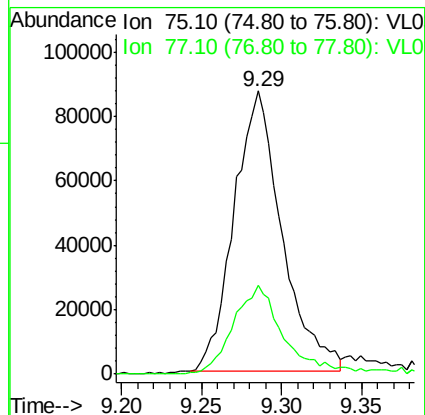
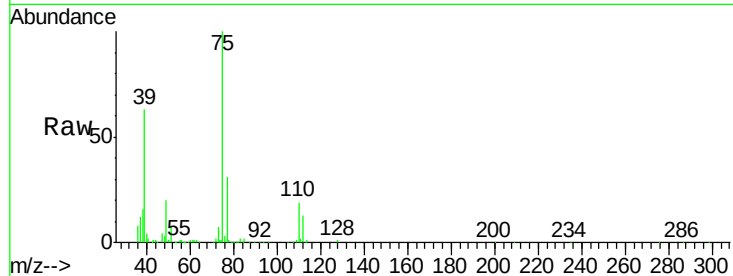
75 100

77 31.5 26.2 39.4

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#46

cis-1,3-Dichloropropene

Concen: 1.873 ppbv

RT: 8.71 min Scan# 1841

Delta R.T. -0.00 min

Lab File: VL037280.D

Acq: 27 Jul 2021 3:15

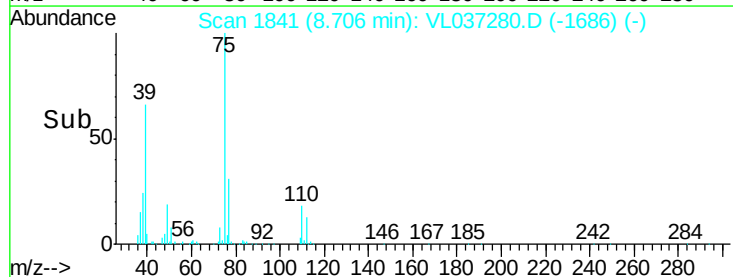
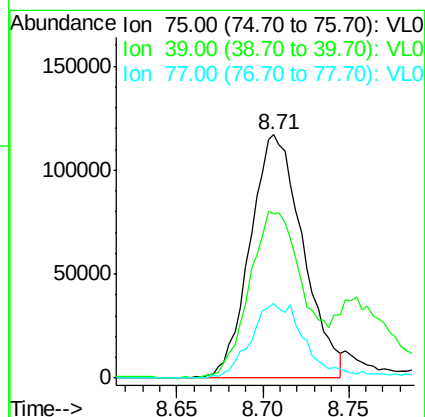
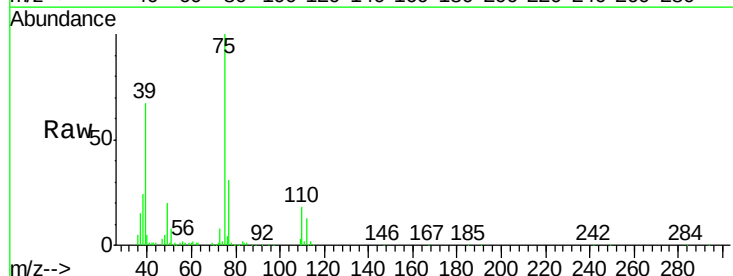
Tgt Ion: 75 Resp: 249006

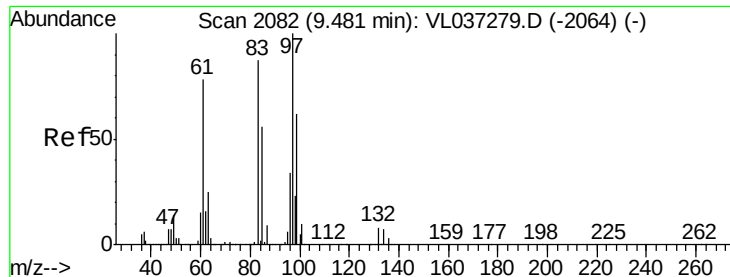
Ion Ratio Lower Upper

75 100

39 66.8 55.3 82.9

77 30.8 25.7 38.5





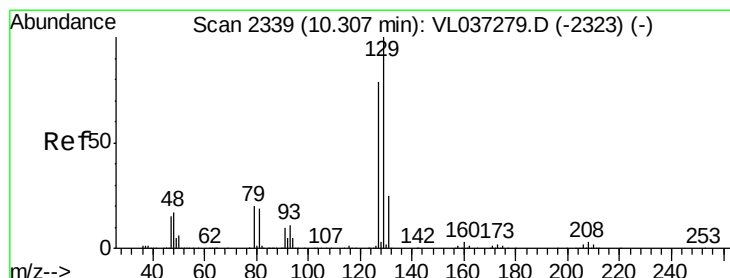
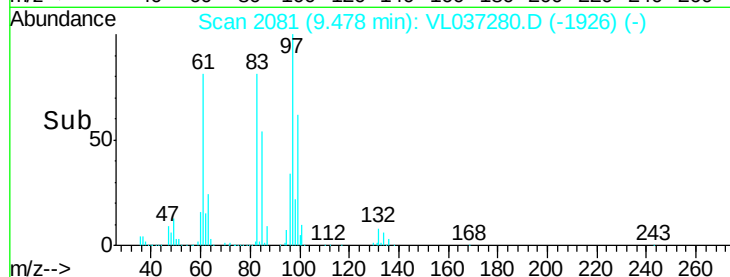
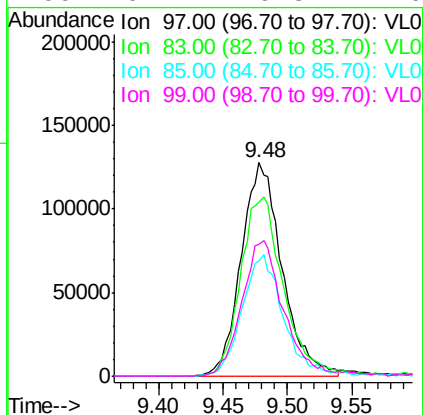
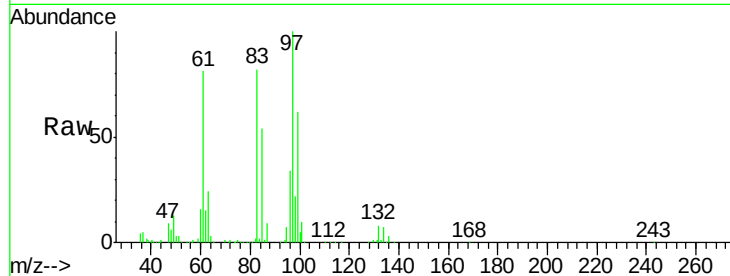
#47
 1,1,2-Trichloroethane
 Concen: 2.042 ppbv
 RT: 9.48 min Scan# 2081
 Delta R.T. -0.00 min
 Lab File: VL037280.D
 Acq: 27 Jul 2021 3:15

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		282251		
83	81.4	69.8	104.8		
85	54.0	44.9	67.3		
99	61.7	49.8	74.6		

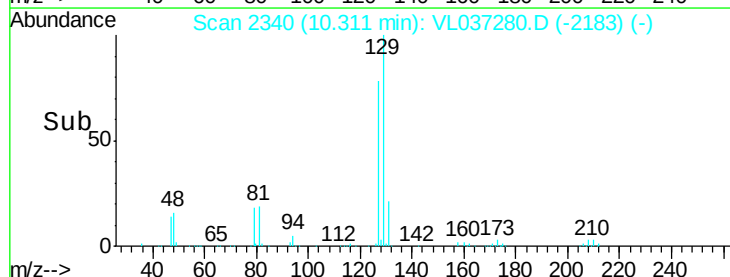
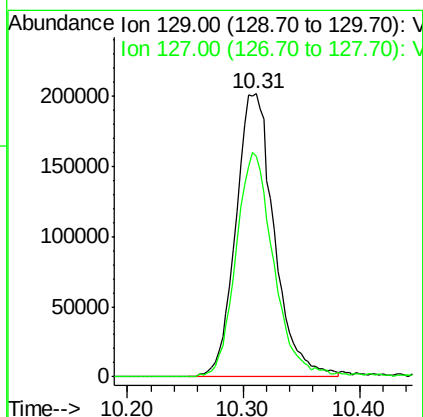
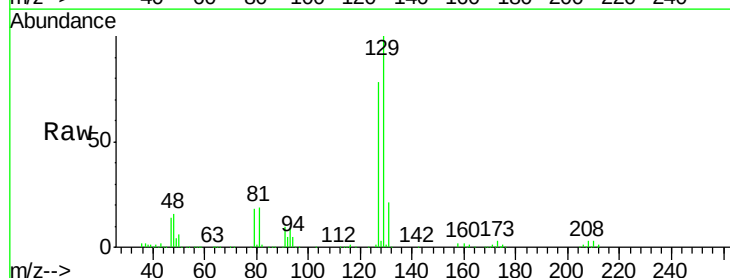
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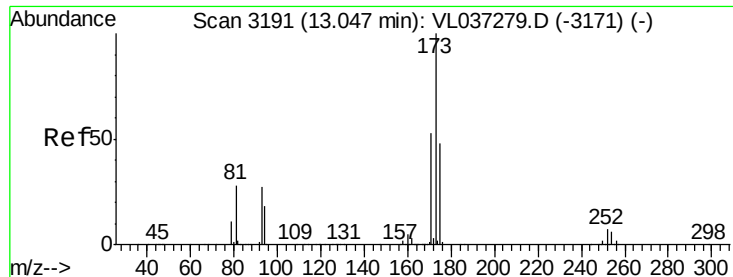
MMDadoda
 8/2/2021 9:03:27 AM



#48
 Dibromochloromethane
 Concen: 2.115 ppbv
 RT: 10.31 min Scan# 2340
 Delta R.T. 0.00 min
 Lab File: VL037280.D
 Acq: 27 Jul 2021 3:15

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
129	100		464463		
127	79.1	39.3	117.8		





#49

Bromoform

Concen: 2.141 ppbv

RT: 13.05 min Scan# 3191

Delta R.T. 0.00 min

Lab File: VL037280.D

Acq: 27 Jul 2021 3:15

Instrument :

MSVOA_L

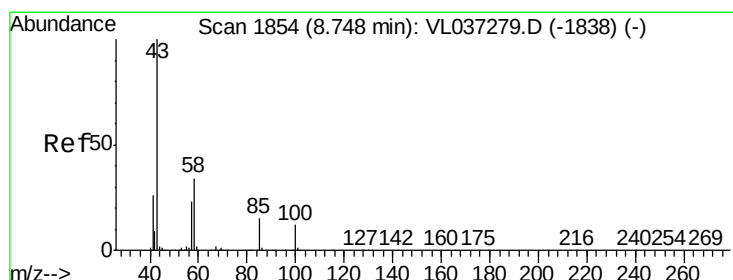
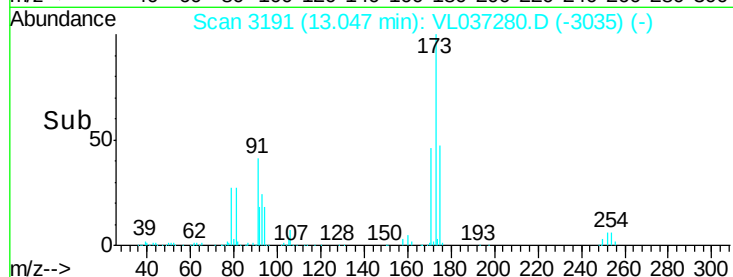
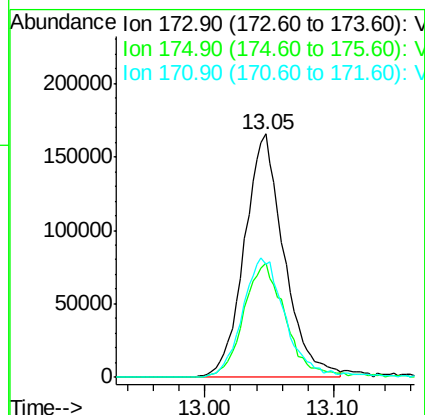
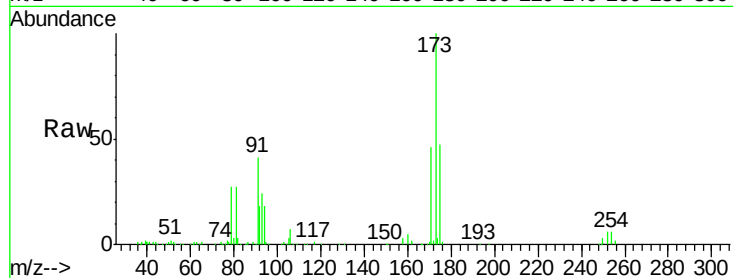
ClientSampleId :

VSTDIC002

Tot Ion:	173	Resp:	354766
Ion Ratio	Lower	Upper	
173	100		
175	50.5	39.7	59.5
171	54.1	41.9	62.9

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#50

4-Methyl-2-Pentanone

Concen: 2.230 ppbv

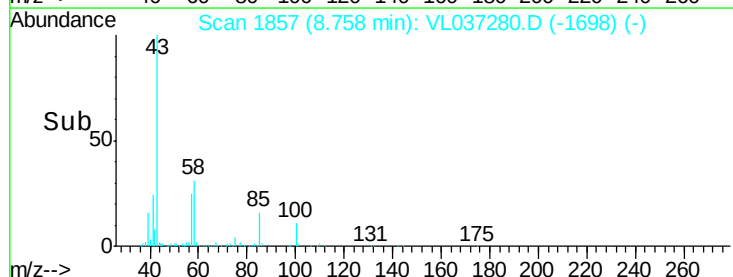
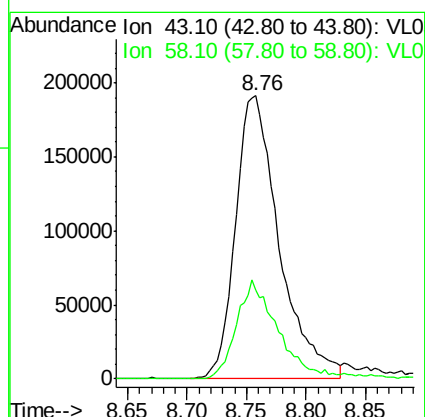
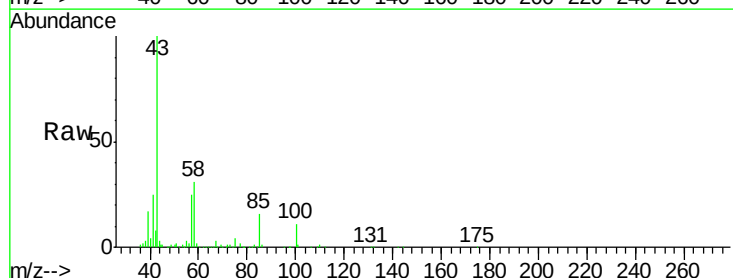
RT: 8.76 min Scan# 1857

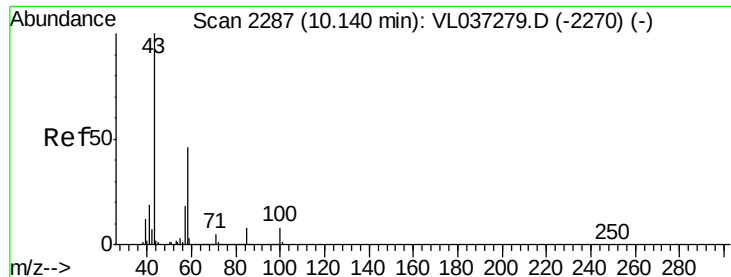
Delta R.T. 0.01 min

Lab File: VL037280.D

Acq: 27 Jul 2021 3:15

Tgt Ion:	43	Resp:	485554
Ion Ratio	Lower	Upper	
43	100		
58	35.0	28.1	42.1





#51

2-Hexanone

Concen: 1.965 ppbv

RT: 10.16 min Scan# 2293

Delta R.T. 0.02 min

Lab File: VL037280.D

Acq: 27 Jul 2021 3:15

Instrument :

MSVOA_L

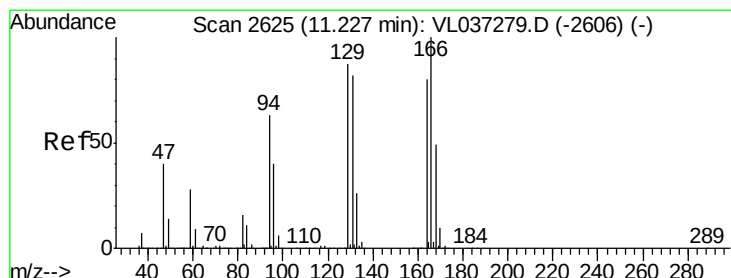
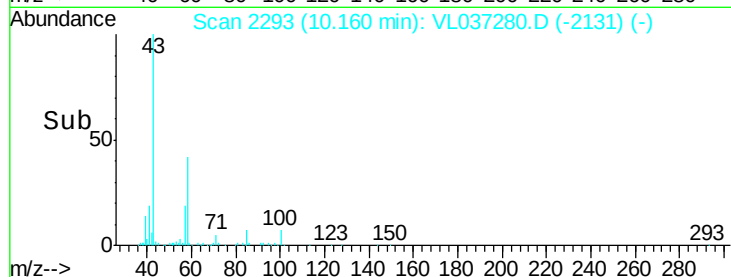
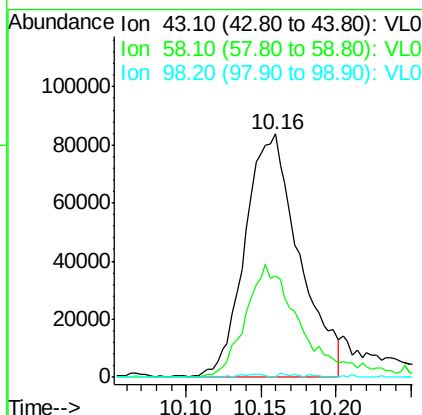
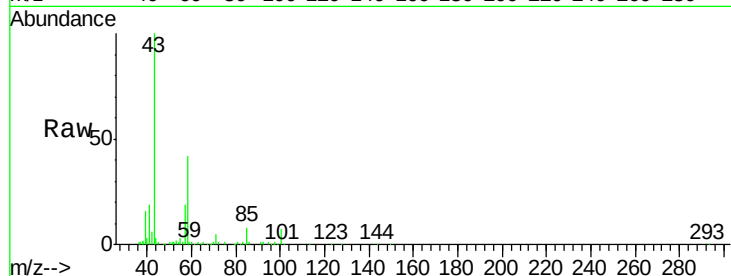
ClientSampleId :

VSTDIC002

Tot Ion:	43	Resp:	209255
Ion Ratio	Lower	Upper	
43	100		
58	48.7	37.1	55.7
98	1.4	0.4	0.6

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#52

Tetrachloroethene

Concen: 1.839 ppbv

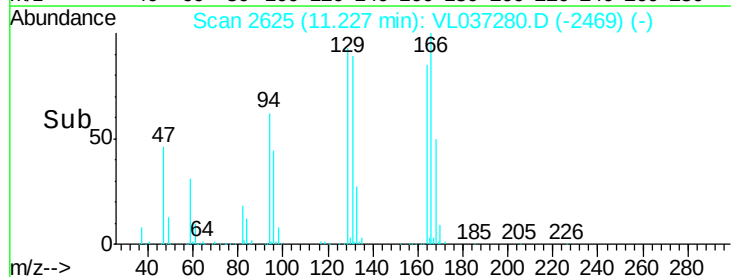
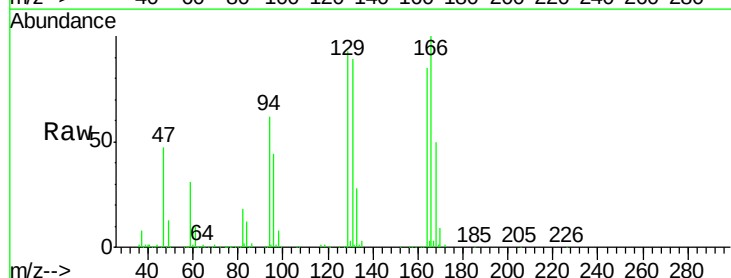
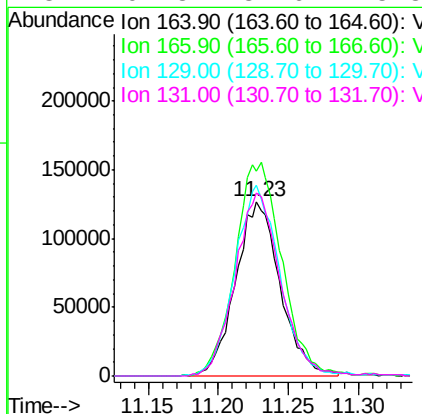
RT: 11.23 min Scan# 2625

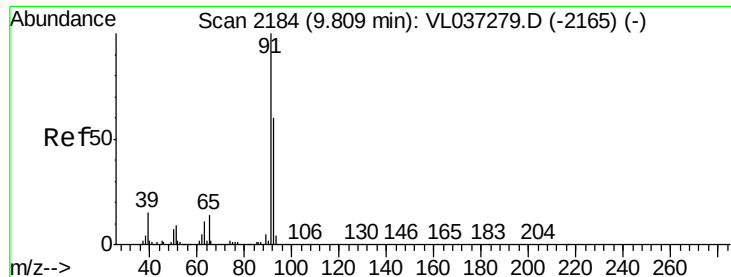
Delta R.T. 0.00 min

Lab File: VL037280.D

Acq: 27 Jul 2021 3:15

Tgt Ion:	164	Resp:	276935
Ion Ratio	Lower	Upper	
164	100		
166	117.4	100.6	151.0
129	109.0	87.8	131.6
131	104.8	82.6	123.8





#53

Toluene

Concen: 2.028 ppbv

RT: 9.81 min Scan# 2184

Delta R.T. 0.00 min

Lab File: VL037280.D

Acq: 27 Jul 2021 3:15

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tot Ion: 91 Resp: 788613

Ion Ratio Lower Upper

91 100

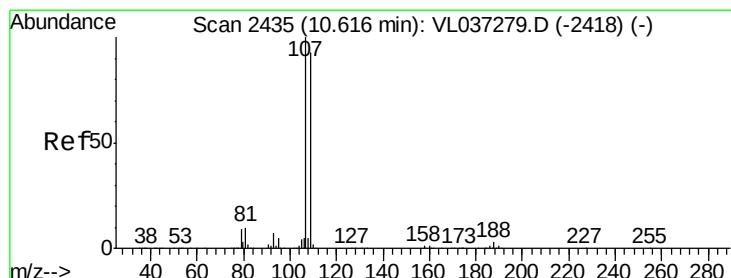
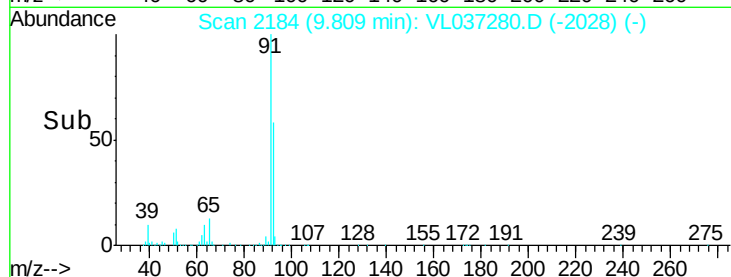
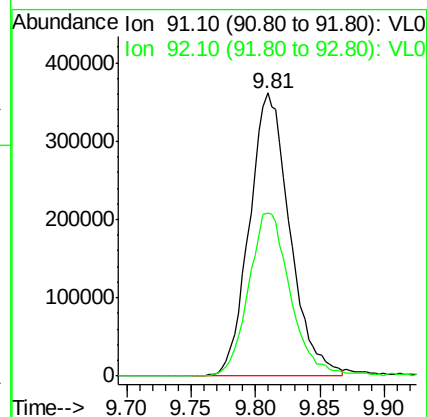
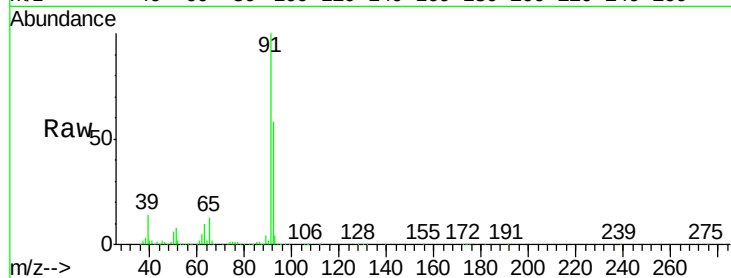
92 60.5 48.1 72.1

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#54

1,2-Dibromoethane

Concen: 2.132 ppbv

RT: 10.61 min Scan# 2434

Delta R.T. -0.00 min

Lab File: VL037280.D

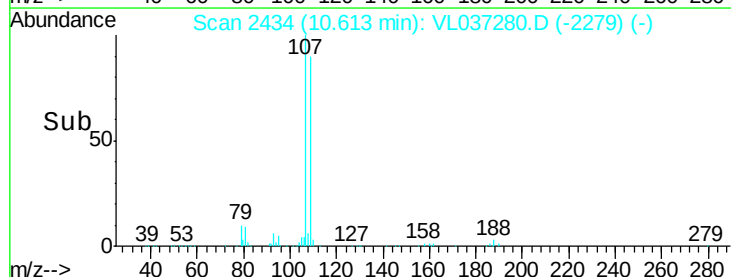
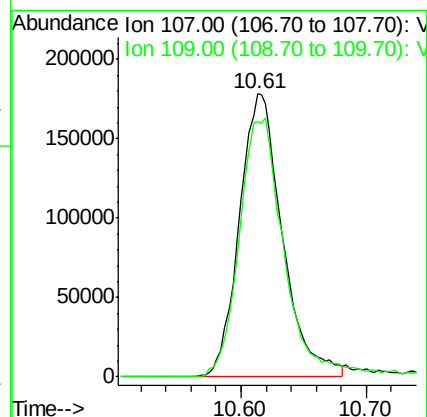
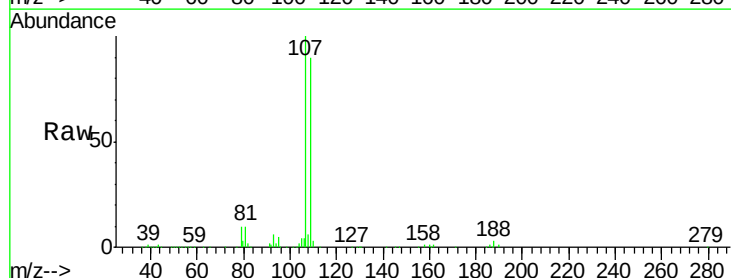
Acq: 27 Jul 2021 3:15

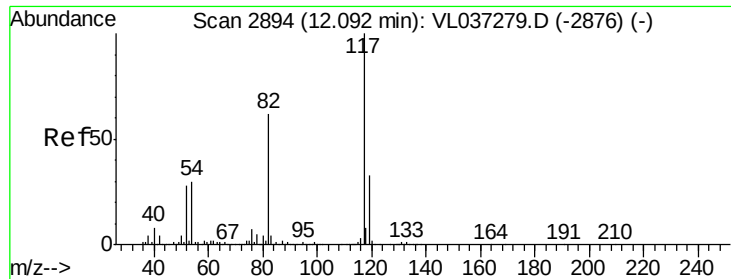
Tgt Ion: 107 Resp: 424177

Ion Ratio Lower Upper

107 100

109 90.1 74.2 111.4





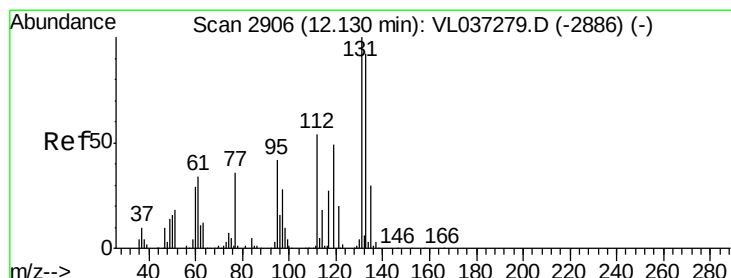
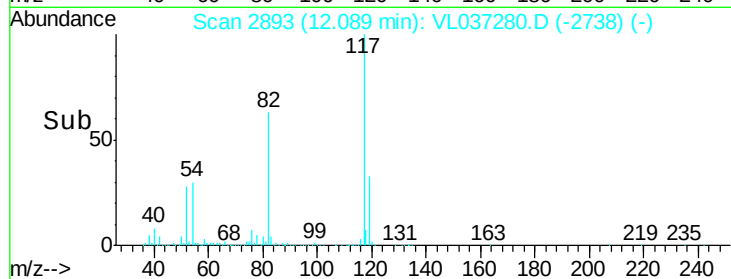
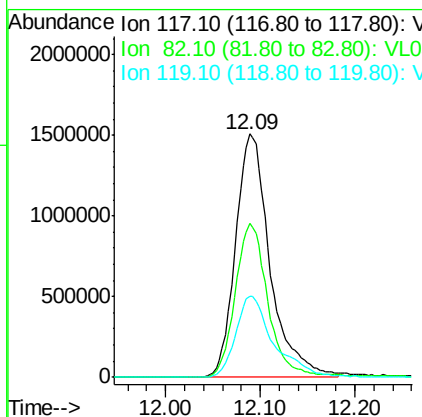
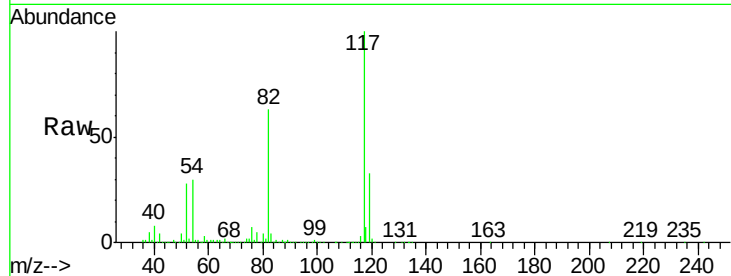
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.09 min Scan# 2893
Delta R.T. -0.00 min
Lab File: VL037280.D
Acq: 27 Jul 2021 3:15

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion	Ratio	Lower	Upper
117	100		
82	61.1	52.3	78.5
119	36.9	26.5	39.7

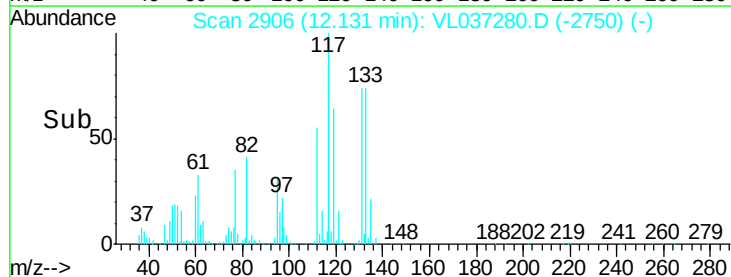
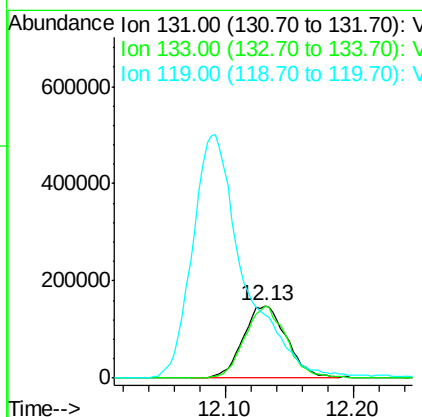
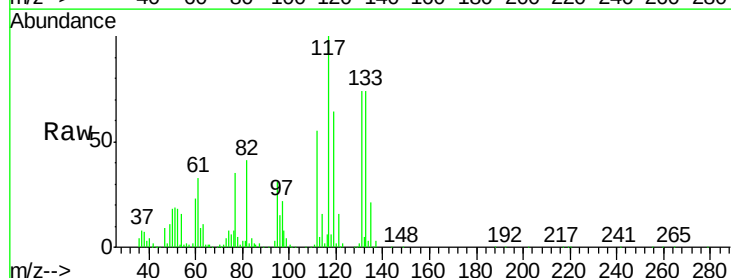
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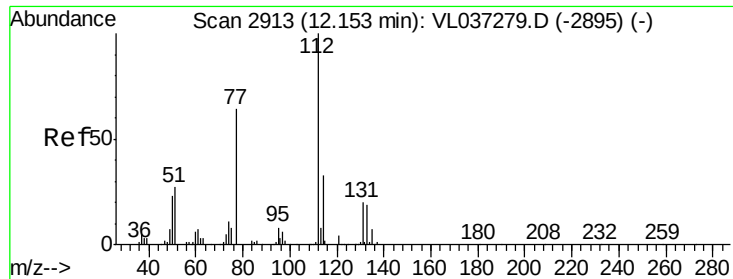
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#56
1,1,1,2-Tetrachloroethane
Concen: 2.065 ppbv m
RT: 12.13 min Scan# 2906
Delta R.T. 0.00 min
Lab File: VL037280.D
Acq: 27 Jul 2021 3:15

Tgt Ion	Ratio	Lower	Upper
131	100		
133	96.5	76.4	114.6
119	0.0	106.1	159.1#





#57

Chlorobenzene

Concen: 2.078 ppbv

RT: 12.15 min Scan# 2912

Delta R.T. -0.00 min

Lab File: VL037280.D

Acq: 27 Jul 2021 3:15

Instrument :

MSVOA_L

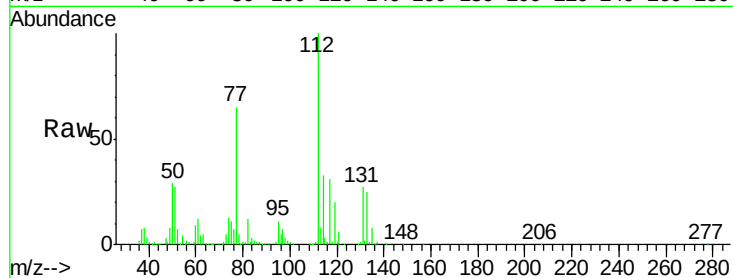
ClientSampleId :

VSTDIC002

Tot Ion:	112	Resp:	650170
Ion Ratio	Lower	Upper	
112	100		
77	62.8	51.7	77.5
114	32.7	29.3	35.9

Manual Integrations
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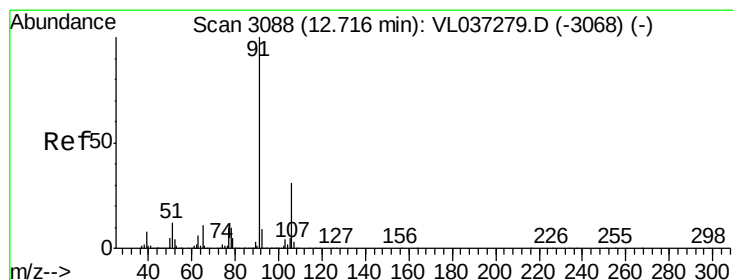
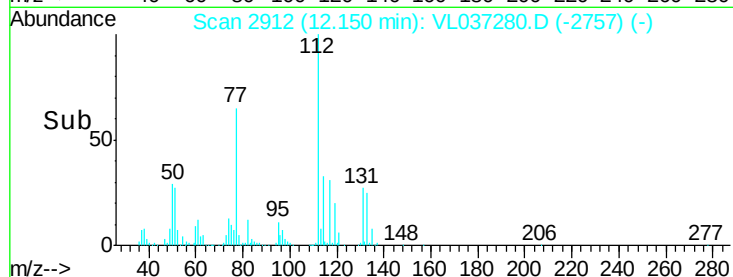
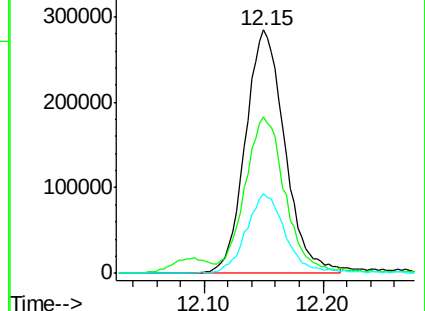
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Abundance Ion 112.10 (111.80 to 112.80): V

Ion 77.10 (76.80 to 77.80): VL0

Ion 114.10 (113.80 to 114.80): V



#58

Ethyl Benzene

Concen: 2.061 ppbv

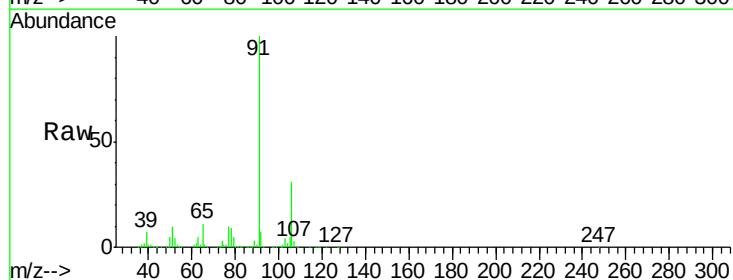
RT: 12.72 min Scan# 3089

Delta R.T. 0.00 min

Lab File: VL037280.D

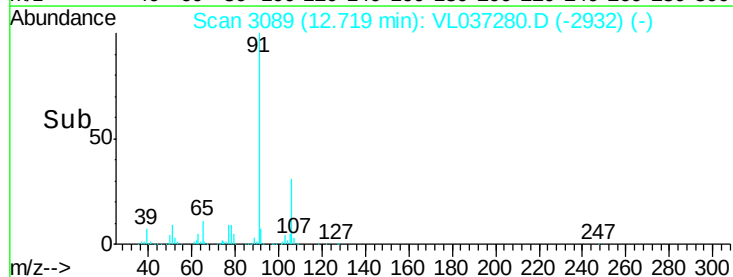
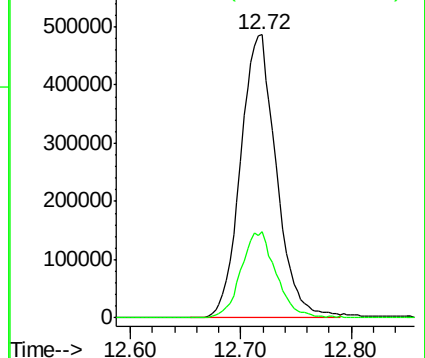
Acq: 27 Jul 2021 3:15

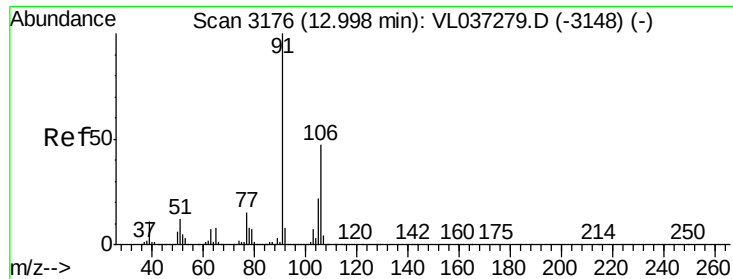
Tgt Ion:	91	Resp:	1093099
Ion Ratio	Lower	Upper	
91	100		
106	30.7	24.5	36.7



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





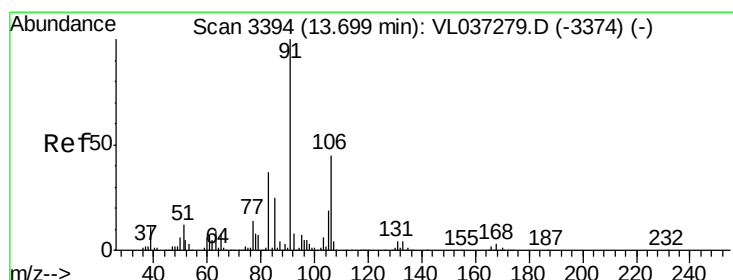
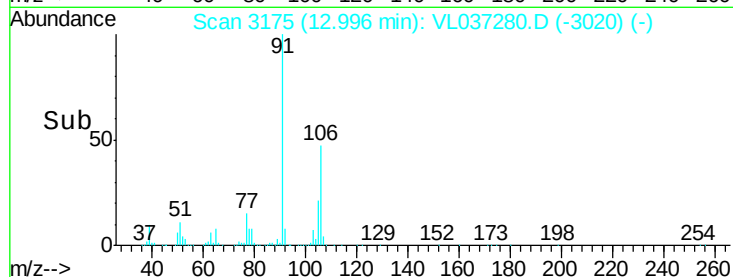
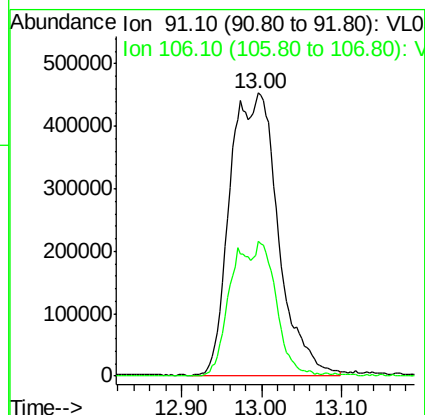
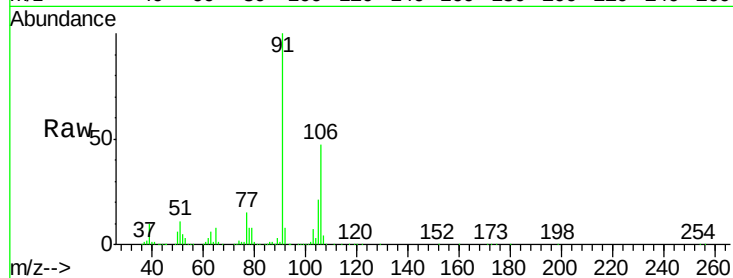
#59
m/p-Xylene
Concen: 4.237 ppbv m
RT: 13.00 min Scan# 3175
Delta R.T. -0.00 min
Lab File: VL037280.D
Acq: 27 Jul 2021 3:15

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion: 91 Resp: 1911738
Ion Ratio Lower Upper
91 100
106 44.6 36.2 54.2

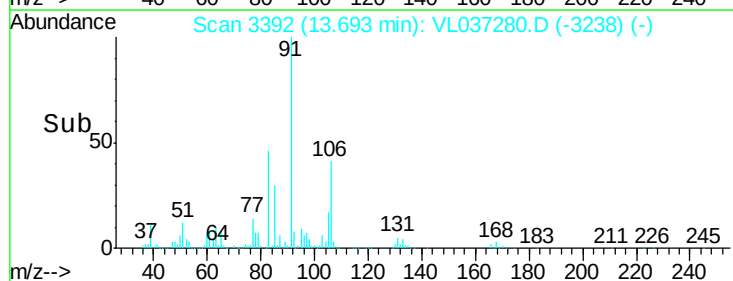
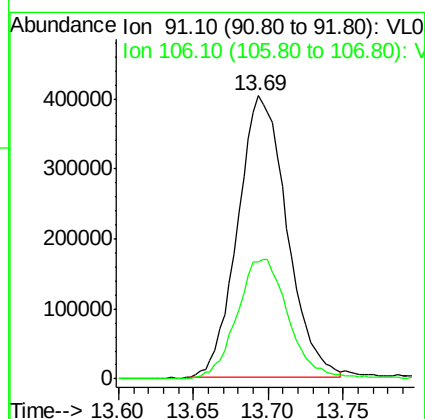
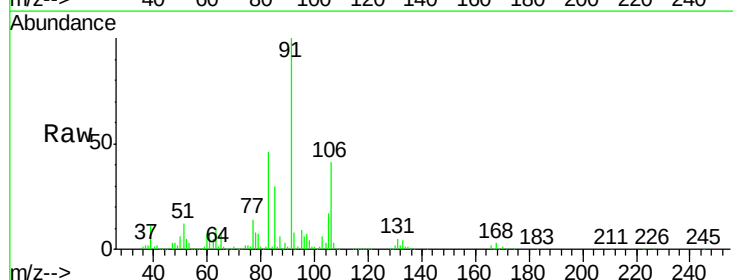
Manual Integrations
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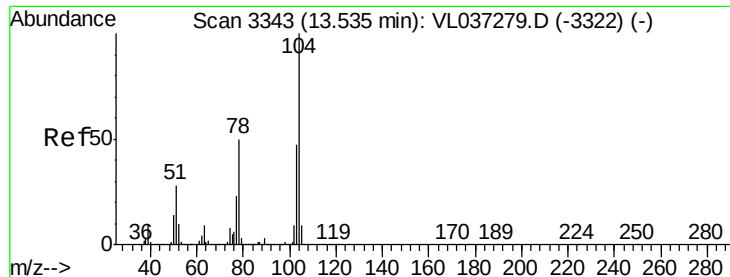
MMDadoda
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#60
o-Xylene
Concen: 2.142 ppbv
RT: 13.69 min Scan# 3392
Delta R.T. -0.01 min
Lab File: VL037280.D
Acq: 27 Jul 2021 3:15

Tgt Ion: 91 Resp: 922277
Ion Ratio Lower Upper
91 100
106 44.5 22.6 67.8





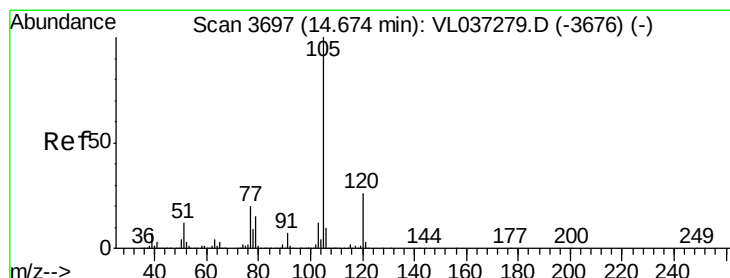
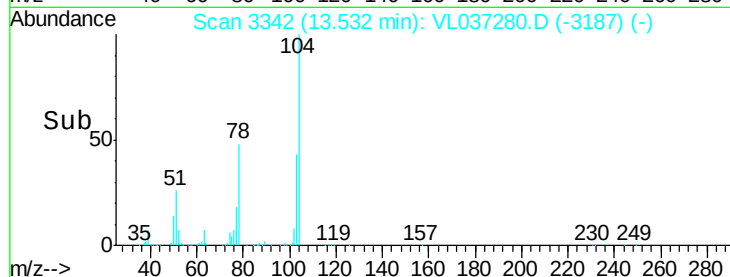
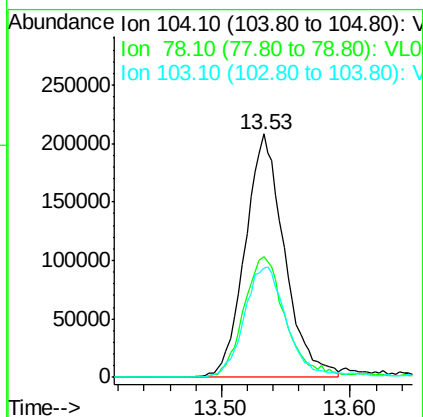
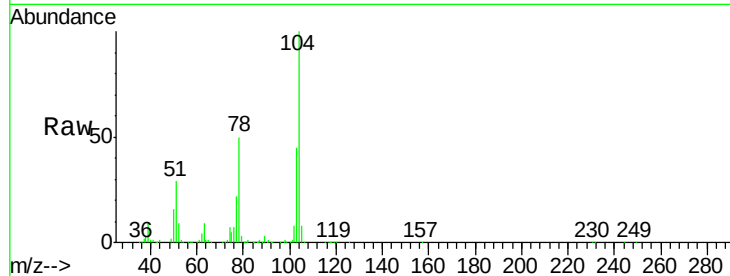
#61
Stvrene
Concen: 2.012 ppbv
RT: 13.53 min Scan# 3342
Delta R.T. -0.00 min
Lab File: VL037280.D
Acq: 27 Jul 2021 3:15

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion	Ratio	Lower	Upper
104	100		
78	53.8	41.8	62.6
103	50.0	38.6	58.0

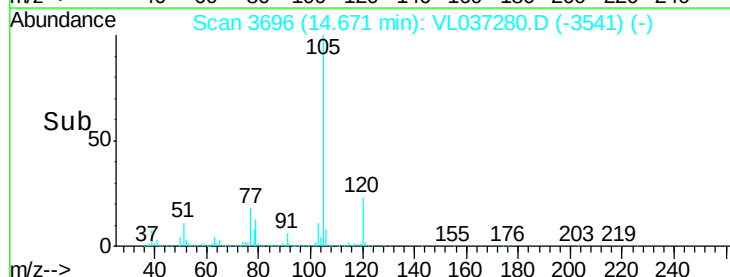
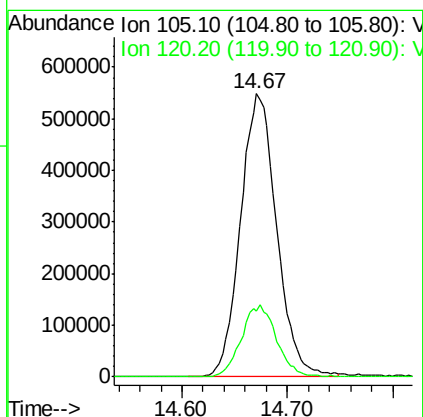
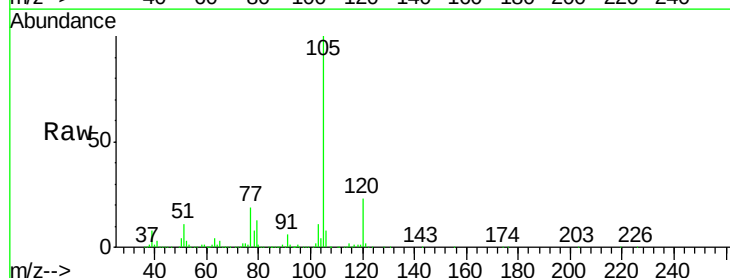
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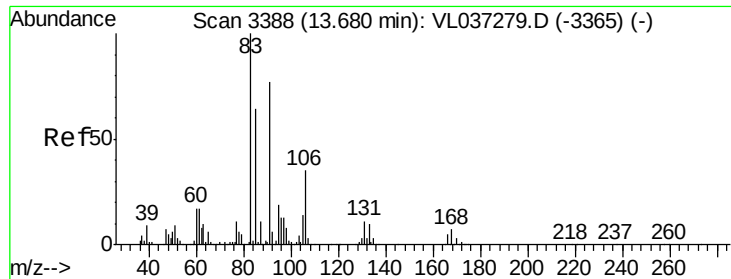
MMDadoda
8/2/2021 9:03:27 AM



#62
Isopropylbenzene
Concen: 2.137 ppbv
RT: 14.67 min Scan# 3696
Delta R.T. -0.00 min
Lab File: VL037280.D
Acq: 27 Jul 2021 3:15

Tgt Ion	Ratio	Lower	Upper
105	100		
120	24.8	21.3	31.9





#63

1,1,2,2-Tetrachloroethane

Concen: 2.149 ppbv

RT: 13.68 min Scan# 3389

Delta R.T. 0.00 min

Lab File: VL037280.D

Acq: 27 Jul 2021 3:15

Instrument :

MSVOA_L

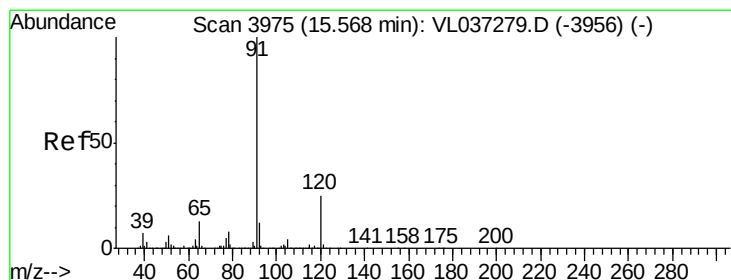
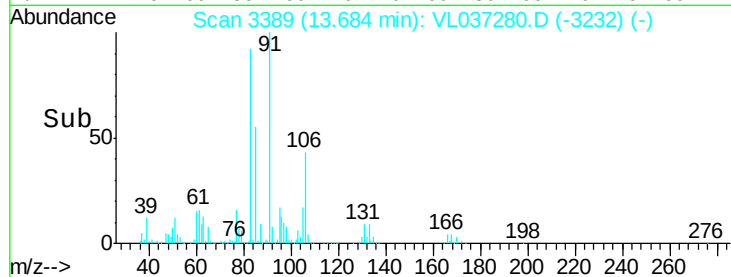
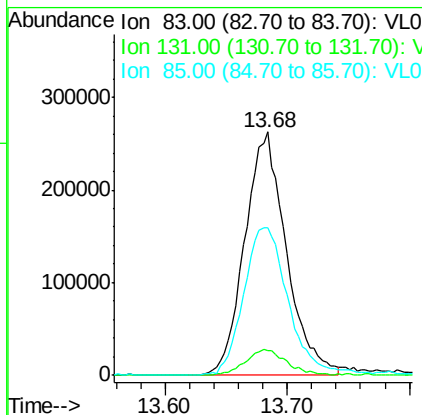
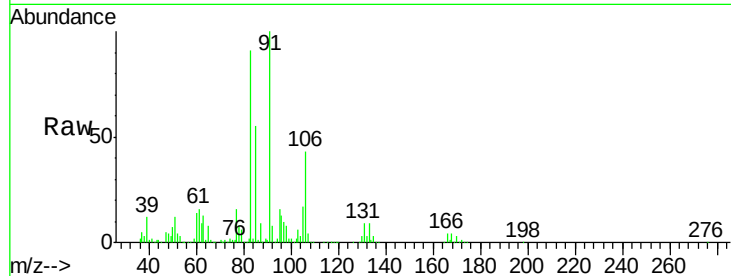
ClientSampleId :

VSTDIC002

Tot Ion:	83	Resp:	617857
Ion Ratio	Lower	Upper	
83	100		
131	10.7	5.4	16.2
85	65.3	33.4	100.2

Manual Integrations
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8/2/2021 9:03:27 AM



#64

n-propylbenzene

Concen: 2.129 ppbv

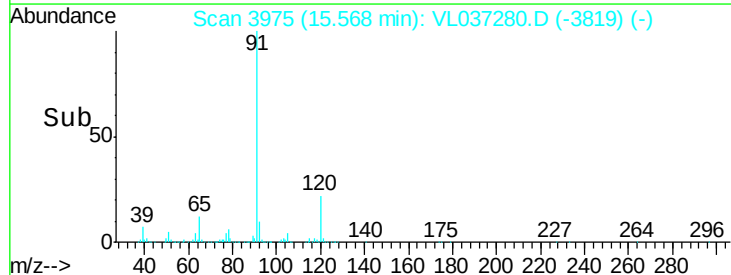
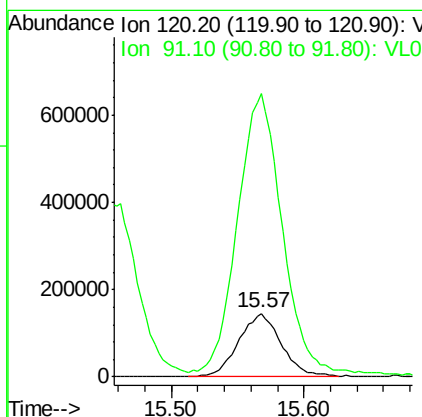
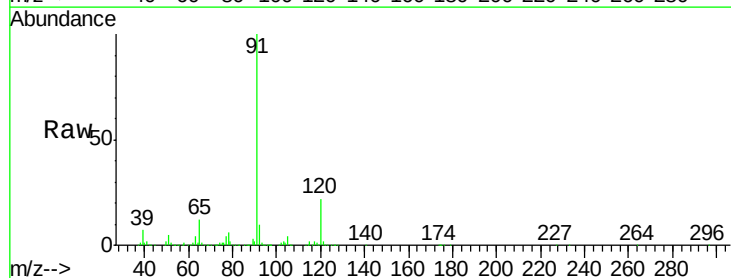
RT: 15.57 min Scan# 3975

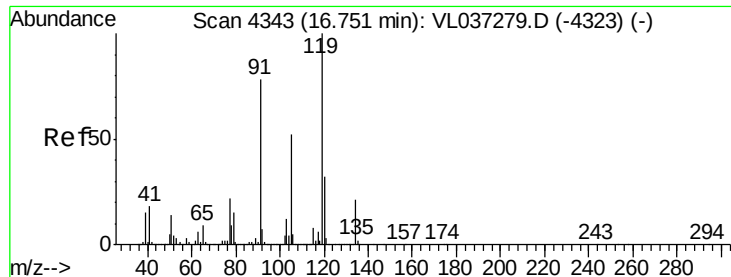
Delta R.T. 0.00 min

Lab File: VL037280.D

Acq: 27 Jul 2021 3:15

Tgt Ion:	120	Resp:	325505
Ion Ratio	Lower	Upper	
120	100		
91	478.1	353.8	530.8





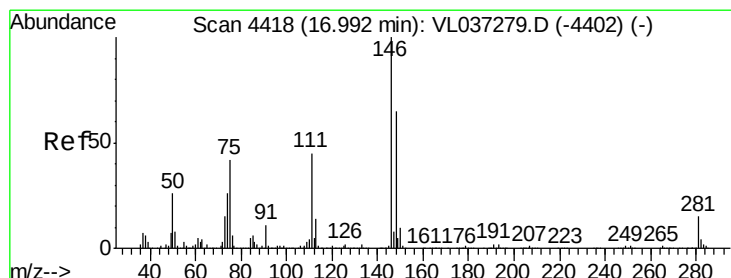
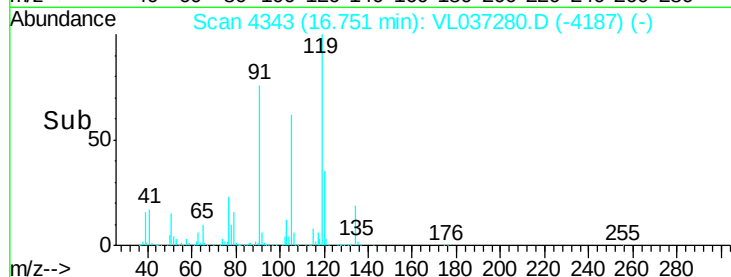
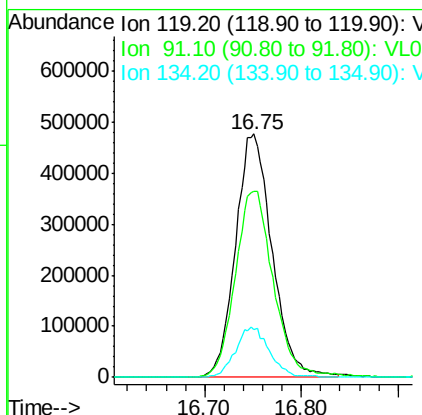
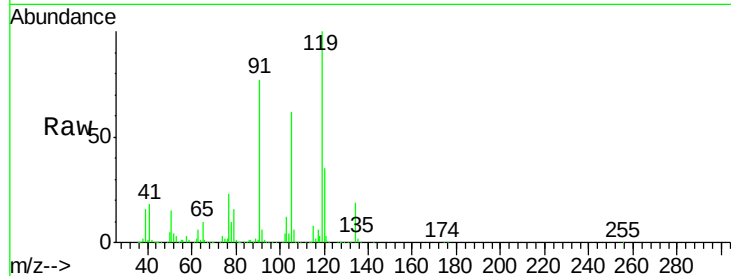
#65
tert-Butylbenzene
Concen: 2.289 ppbv
RT: 16.75 min Scan# 4343
Delta R.T. 0.00 min
Lab File: VL037280.D
Acq: 27 Jul 2021 3:15

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion	Ratio	Lower	Upper
119	100		
91	80.0	63.4	95.0
134	19.4	16.1	24.1

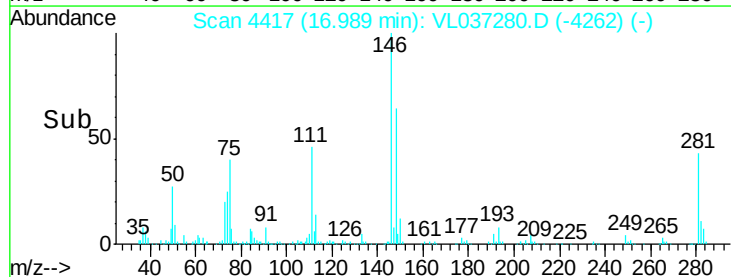
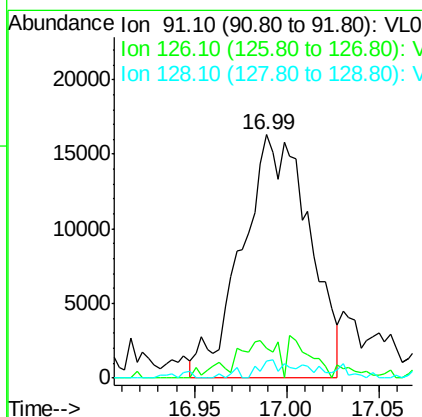
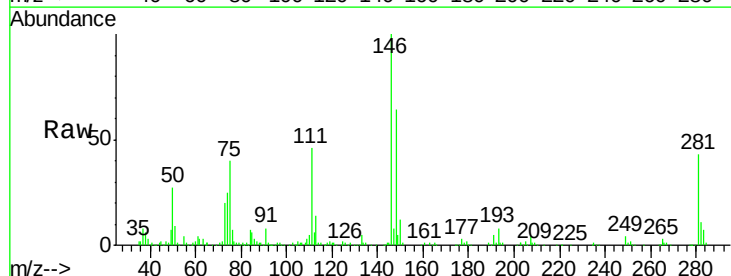
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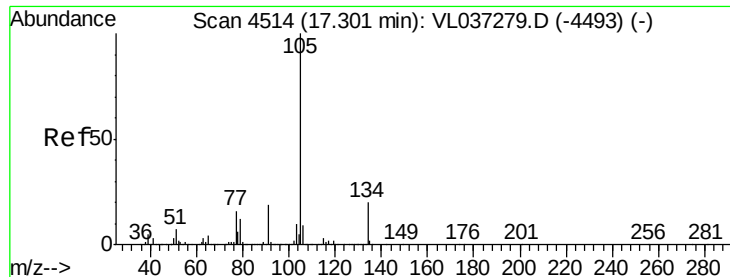
MMDadoda
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#66
Benzyl Chloride
Concen: 1.782 ppbv m
RT: 16.99 min Scan# 4417
Delta R.T. -0.00 min
Lab File: VL037280.D
Acq: 27 Jul 2021 3:15

Tgt Ion	Ratio	Lower	Upper
91	100		
126	9.8	13.4	20.2#
128	6.9	4.5	6.7#





#67

sec-Butylbenzene

Concen: 2.222 ppbv

RT: 17.30 min Scan# 4513

Delta R.T. -0.00 min

Lab File: VL037280.D

Acq: 27 Jul 2021 3:15

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tot Ion: 105 Resp: 1616800

Ion Ratio Lower Upper

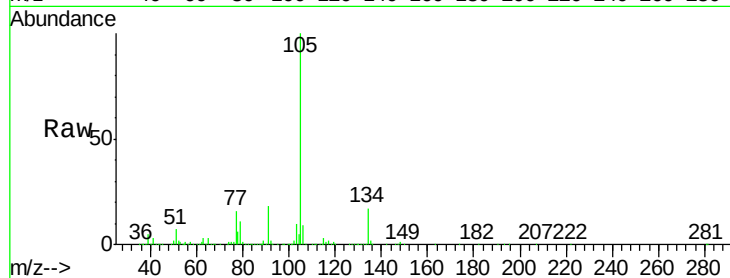
105 100

134 18.9 15.8 23.6

Manual Integrations
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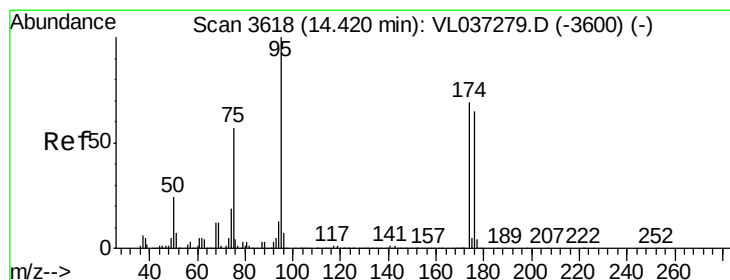
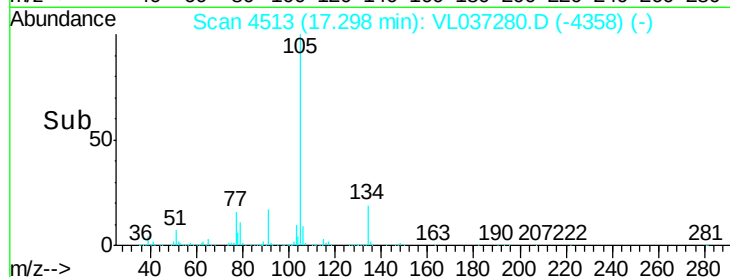
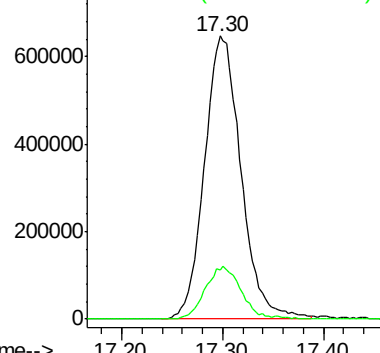
MMDadoda

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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: 9.742 ppbv

RT: 14.42 min Scan# 3618

Delta R.T. 0.00 min

Lab File: VL037280.D

Acq: 27 Jul 2021 3:15

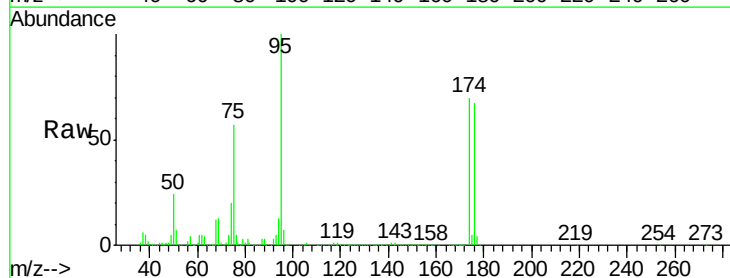
Tgt Ion: 95 Resp: 2817380

Ion Ratio Lower Upper

95 100

174 71.5 56.3 84.5

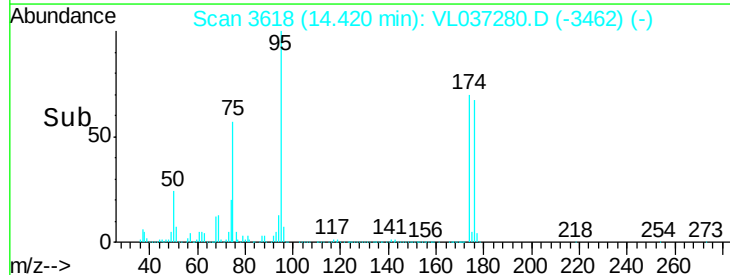
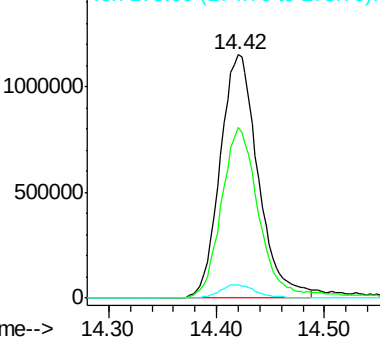
175 5.4 4.3 6.5

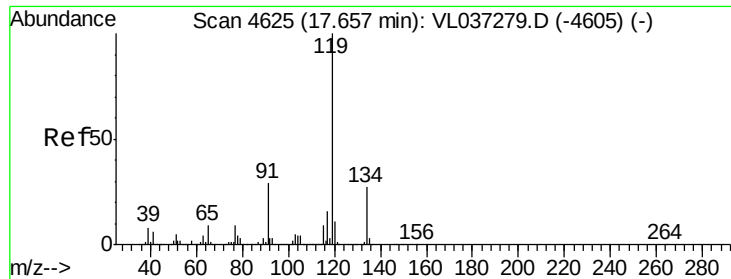


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V





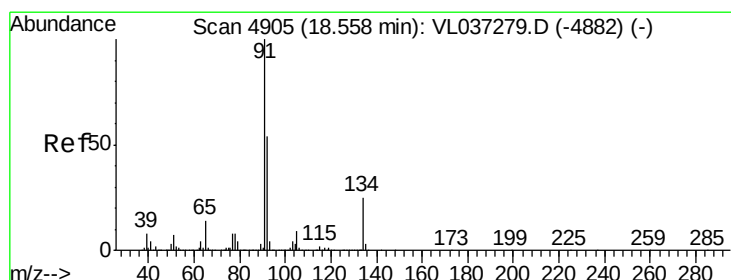
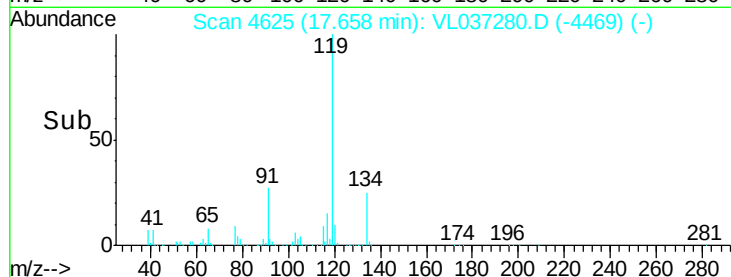
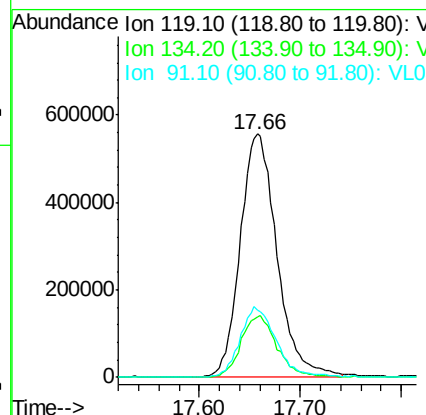
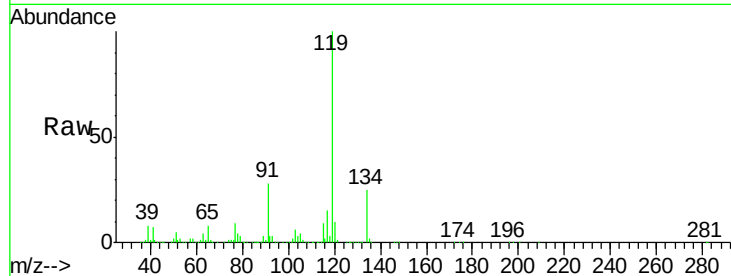
#69
 p-Isopropyltoluene
 Concen: 2.282 ppbv
 RT: 17.66 min Scan# 4625
 Delta R.T. 0.00 min
 Lab File: VL037280.D
 Acq: 27 Jul 2021 3:15

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Tot Ion	Ratio	Lower	Upper
119	100		
134	25.2	20.6	31.0
91	28.6	23.0	34.4

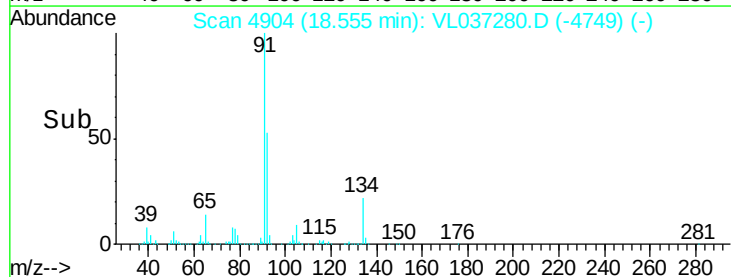
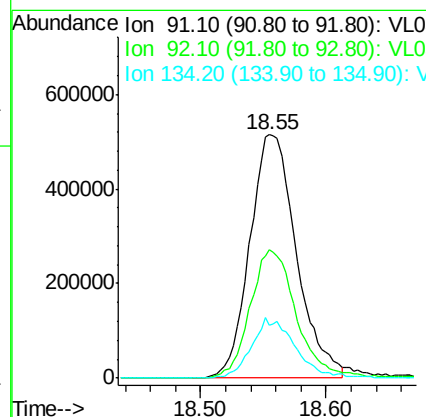
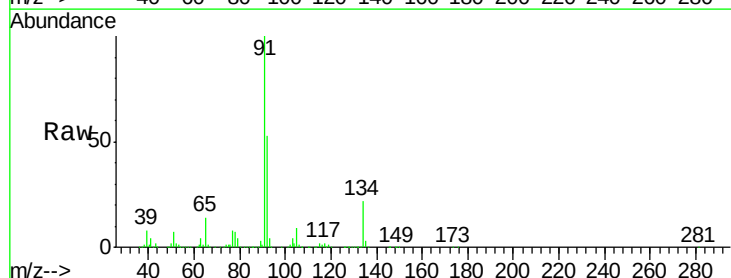
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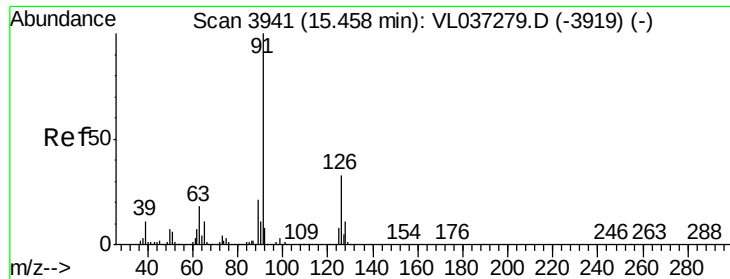
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#70
 n-Butylbenzene
 Concen: 2.336 ppbv
 RT: 18.55 min Scan# 4904
 Delta R.T. -0.00 min
 Lab File: VL037280.D
 Acq: 27 Jul 2021 3:15

Tgt Ion	Ratio	Lower	Upper
91	100		
92	52.9	43.4	65.2
134	23.6	19.6	29.4





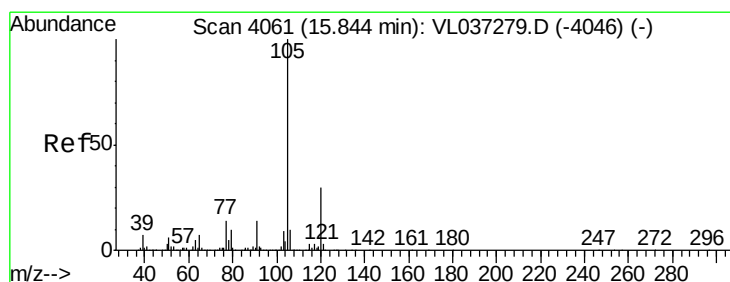
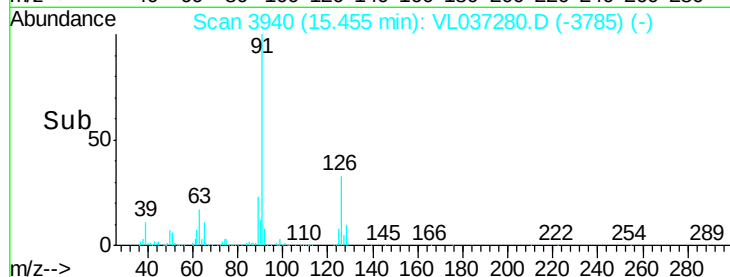
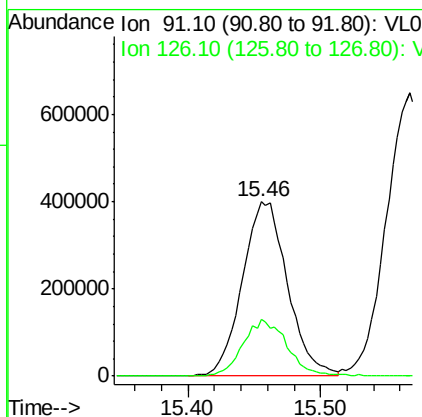
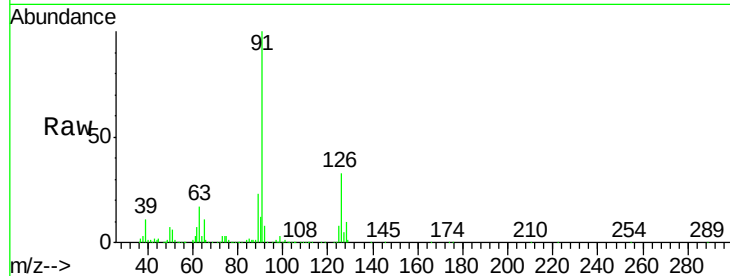
#71
2-Chlorotoluene
Concen: 2.203 ppbv
RT: 15.46 min Scan# 3940
Delta R.T. -0.00 min
Lab File: VL037280.D
Acq: 27 Jul 2021 3:15

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion	Ratio	Lower	Upper
91	100		
126	32.0	13.1	52.3

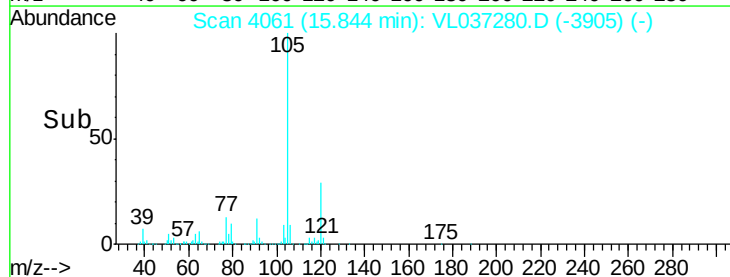
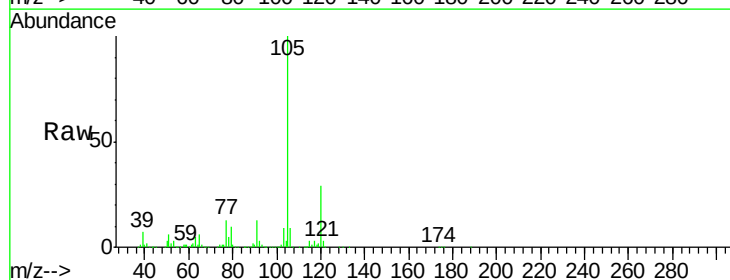
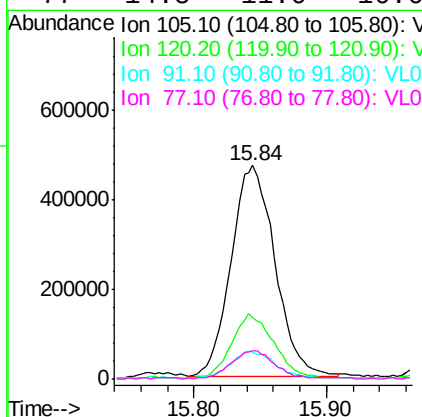
Manual Integrations
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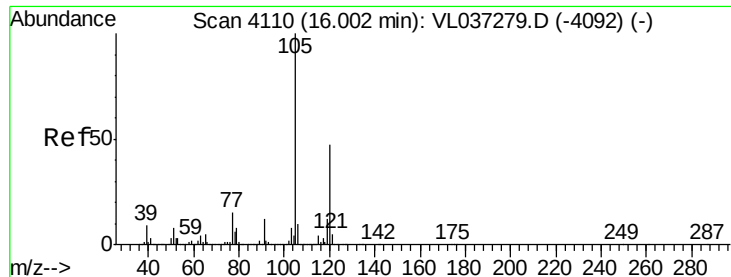
MMDadoda
8/2/2021 9:03:27 AM



#72
4-Ethyltoluene
Concen: 2.181 ppbv
RT: 15.84 min Scan# 4061
Delta R.T. 0.00 min
Lab File: VL037280.D
Acq: 27 Jul 2021 3:15

Tgt Ion	Ratio	Lower	Upper
105	100		
120	30.4	24.3	36.5
91	14.5	10.5	15.7
77	14.5	11.0	16.6





#73

1,3,5-Trimethylbenzene

Concen: 2.160 ppbv

RT: 16.00 min Scan# 4110

Delta R.T. 0.00 min

Lab File: VL037280.D

Acq: 27 Jul 2021 3:15

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tot Ion:105 Resp: 1024538

Ion Ratio Lower Upper

105 100

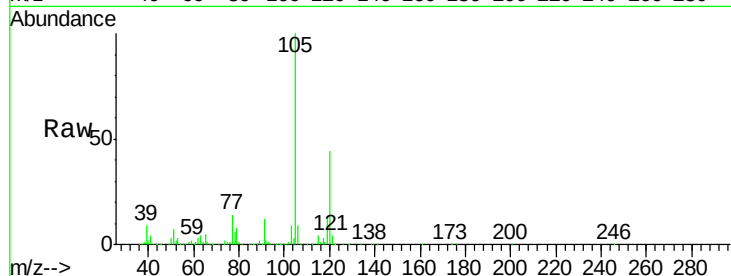
120 44.5

37.7 56.5

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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

16.00

400000

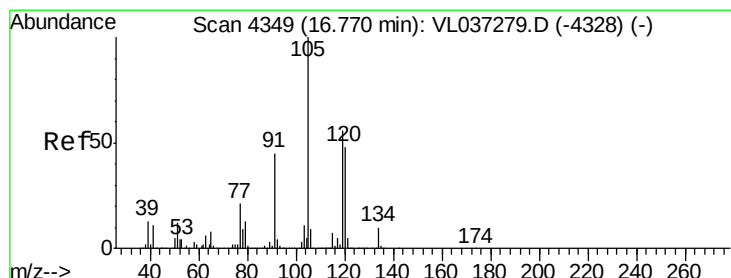
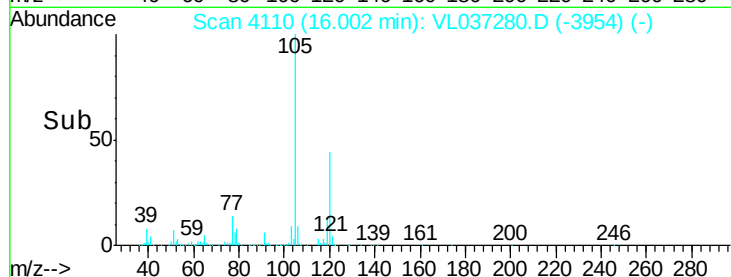
300000

200000

100000

0

Time--> 15.90 16.00



#74

1,2,4-Trimethylbenzene

Concen: 2.370 ppbv

RT: 16.76 min Scan# 4347

Delta R.T. -0.01 min

Lab File: VL037280.D

Acq: 27 Jul 2021 3:15

Tgt Ion:105 Resp: 1158759

Ion Ratio Lower Upper

105 100

120 44.1

38.2 57.4

91 54.2

36.2 54.2

77 21.6

17.0 25.6

Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

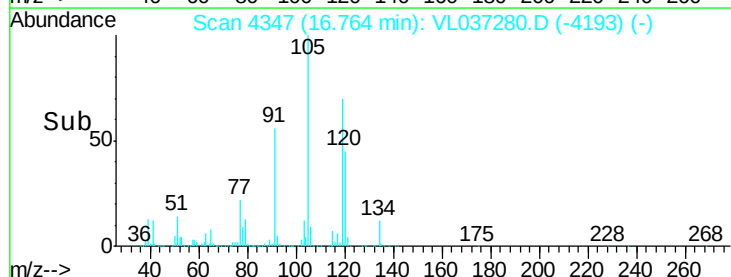
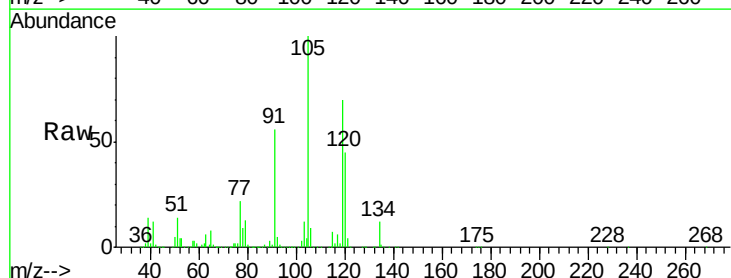
600000

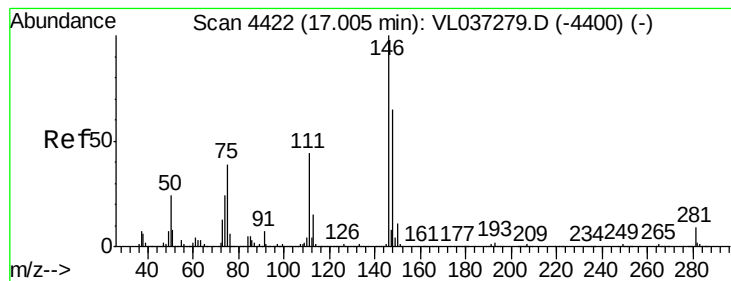
400000

200000

0

Time--> 16.70 16.80





#75

1,3-Dichlorobenzene

Concen: 2.178 ppbv

RT: 17.00 min Scan# 4419

Delta R.T. -0.01 min

Lab File: VL037280.D

Acq: 27 Jul 2021 3:15

Instrument :

MSVOA_L

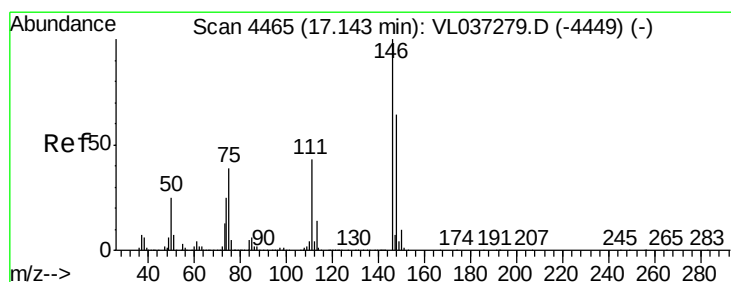
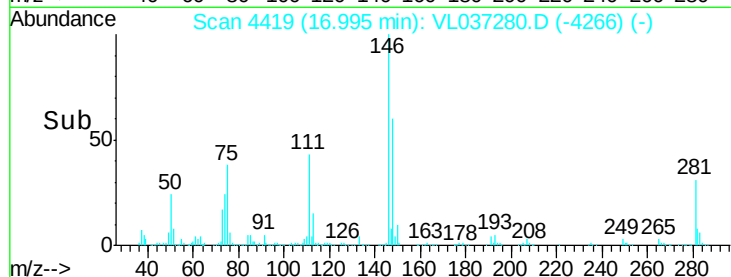
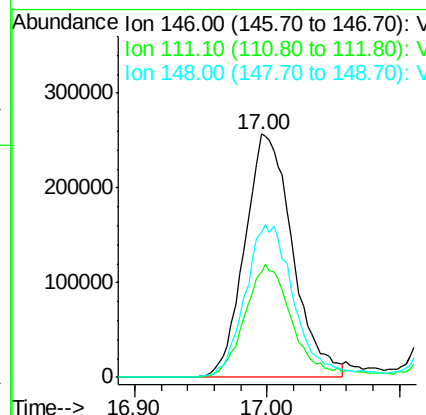
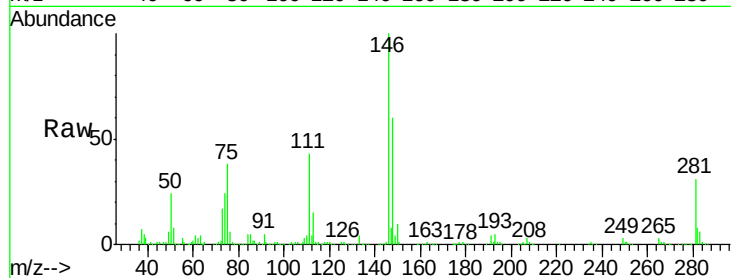
ClientSampleId :

VSTDIC002

Tot Ion:	146	Resp:	646286
Ion Ratio		Lower	Upper
146	100		
111	46.6	22.6	67.8
148	65.0	32.4	97.2

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#76

1,4-Dichlorobenzene

Concen: 2.133 ppbv m

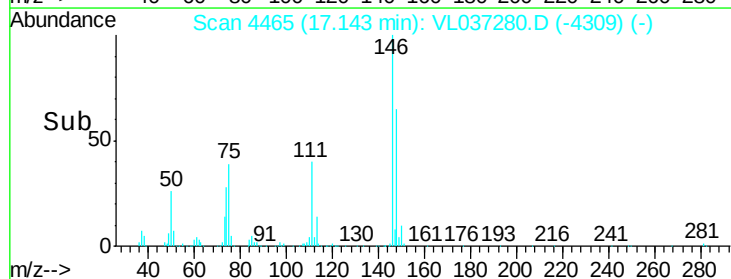
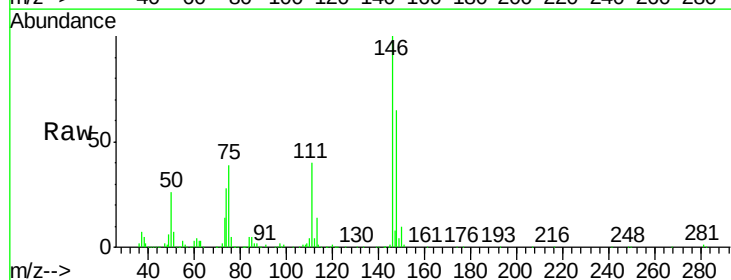
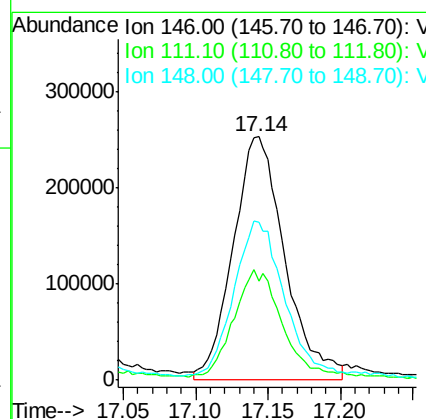
RT: 17.14 min Scan# 4465

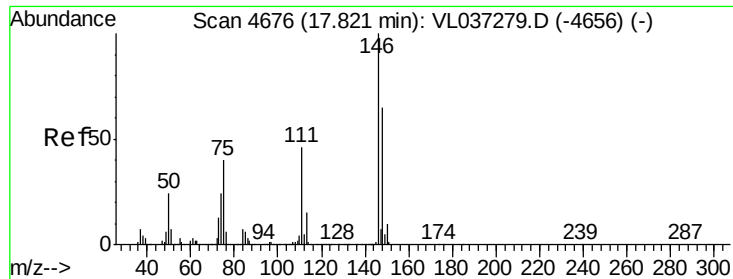
Delta R.T. 0.00 min

Lab File: VL037280.D

Acq: 27 Jul 2021 3:15

Tgt Ion:	146	Resp:	631209
Ion Ratio		Lower	Upper
146	100		
111	44.4	22.8	68.4
148	67.4	33.7	101.0





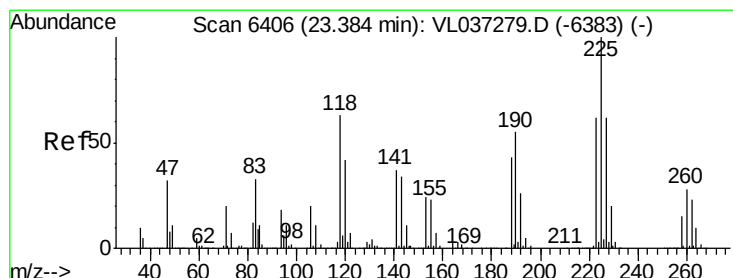
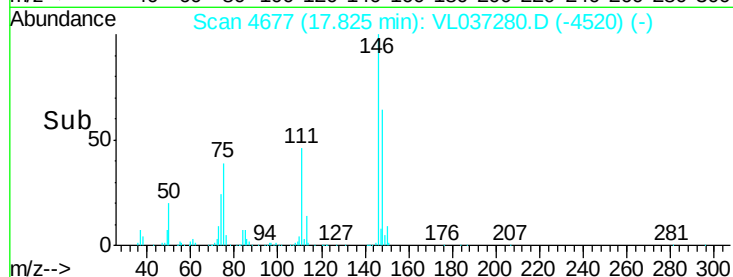
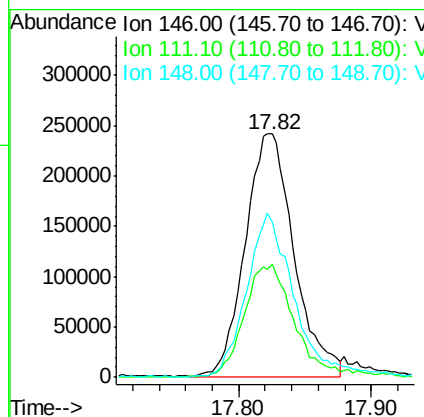
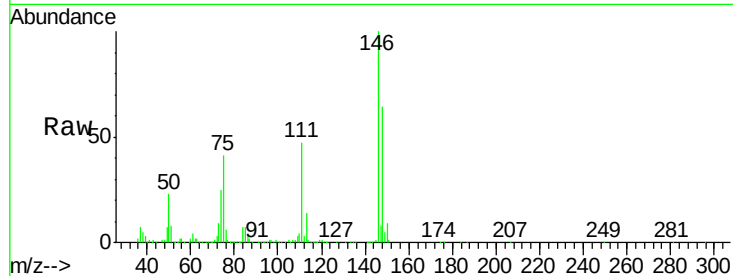
#77
 1,2-Dichlorobenzene
 Concen: 2.146 ppbv
 RT: 17.82 min Scan# 4677
 Delta R.T. 0.00 min
 Lab File: VL037280.D
 Acq: 27 Jul 2021 3:15

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Tot Ion	Ratio	Lower	Upper
146	100		
111	48.1	23.4	70.3
148	65.5	32.3	96.9

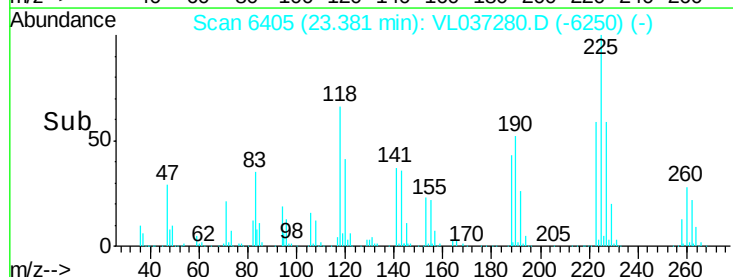
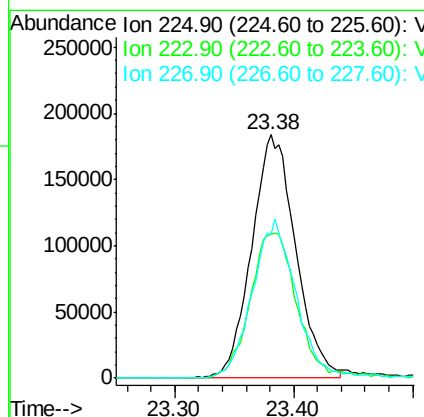
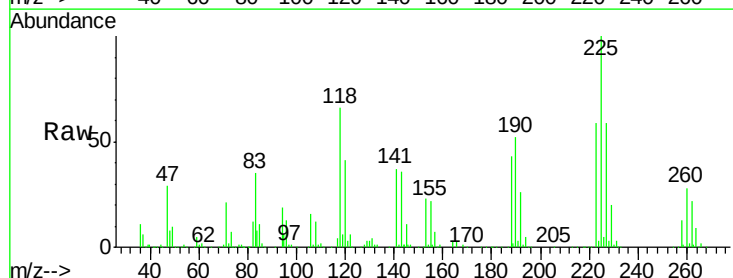
Manual Integrations
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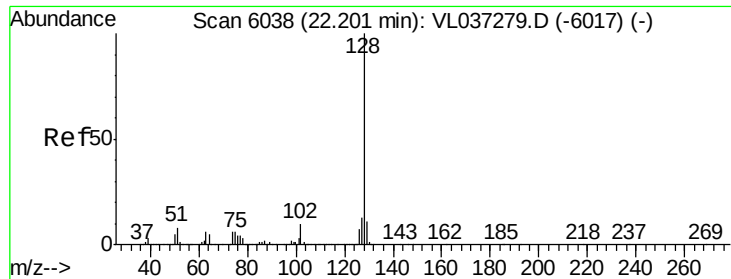
MMDadoda
 8/2/2021 9:03:27 AM



#78
 Hexachloro-1,3-Butadiene
 Concen: 1.962 ppbv
 RT: 23.38 min Scan# 6405
 Delta R.T. -0.00 min
 Lab File: VL037280.D
 Acq: 27 Jul 2021 3:15

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.3	51.4	77.2
227	64.9	50.8	76.2





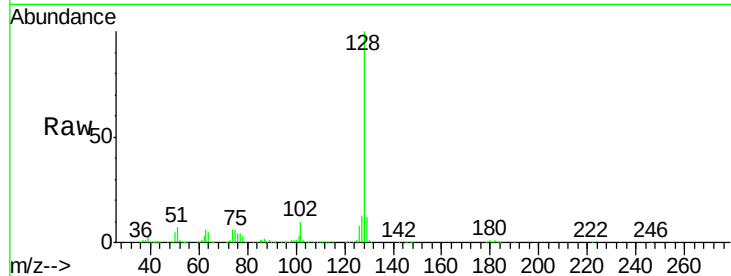
#79
Naphthalene
Concen: 2.180 ppbv
RT: 22.21 min Scan# 6041
Delta R.T. 0.01 min
Lab File: VL037280.D
Acq: 27 Jul 2021 3:15

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

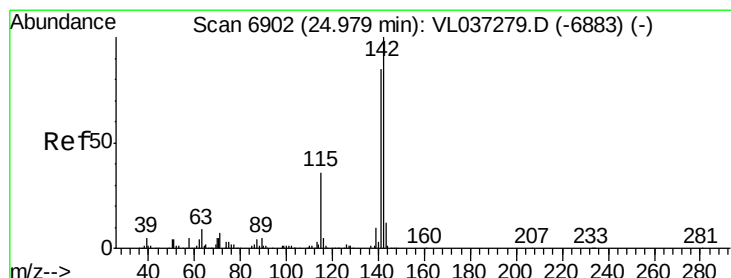
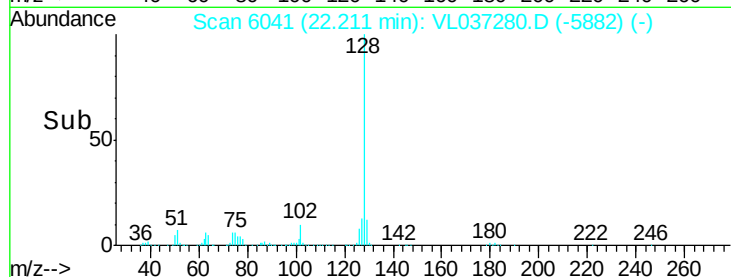
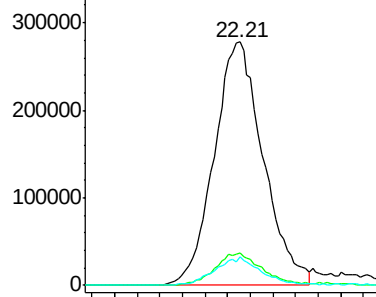
Tot Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.3	15.5
129	11.7	9.0	13.4

Manual Integrations
APPROVED

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8/2/2021 9:03:27 AM

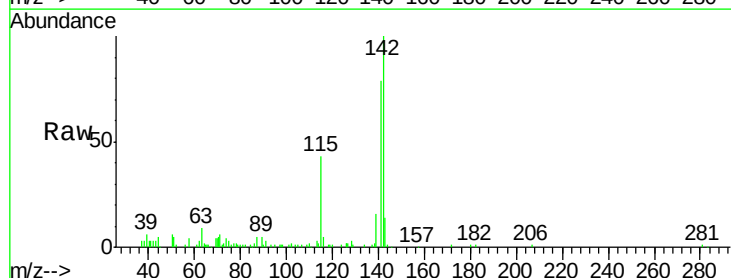


Abundance Ion 128.10 (127.80 to 128.80): V
Ion 127.10 (126.80 to 127.80): V
Ion 129.10 (128.80 to 129.80): V

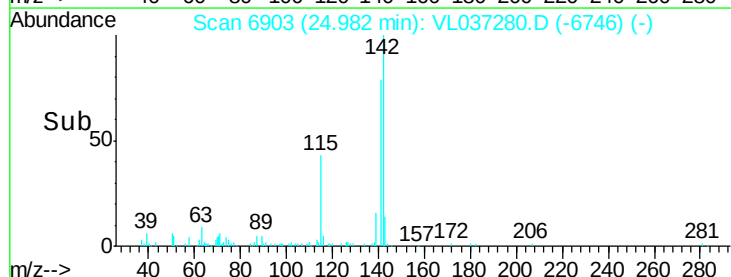
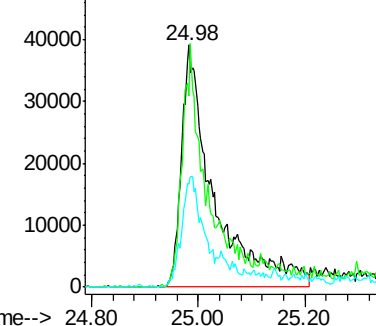


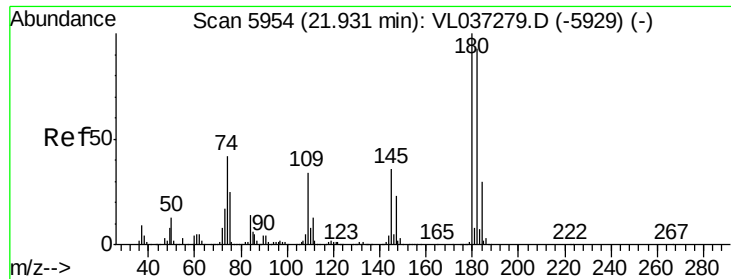
#80
Naphthalene, 2-methyl-
Concen: 1.803 ppbv
RT: 24.98 min Scan# 6903
Delta R.T. 0.00 min
Lab File: VL037280.D
Acq: 27 Jul 2021 3:15

Tgt Ion	Ratio	Lower	Upper
142	100		
141	76.7	70.7	106.1
115	36.6	31.4	47.0



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: 2.200 ppbv
 RT: 21.94 min Scan# 5956
 Delta R.T. 0.01 min
 Lab File: VL037280.D
 Acq: 27 Jul 2021 3:15

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Tot Ion	Ratio	Lower	Upper
180	100		
182	99.2	79.3	118.9
184	31.1	24.8	37.2

Manual Integrations
 APPROVED

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 8/2/2021 9:03:27 AM

