

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL072721\
 Data File : VL037285.D
 Acq On : 27 Jul 2021 6:27
 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 9:03:50 AM

Quant Time: Jul 27 07:16:00 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	1362492	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	4003560	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.09	117	3782458	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.42	95	3004058	10.49	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	104.90%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	3.04	85	2917154	12.138 ppbv	99
3) Chlorodifluoromethane	2.99	51	3607248	13.494 ppbv	100
4) Chloromethane	3.14	50	1256799	14.125 ppbv	98
5) Vinyl Chloride	3.25	62	1392977	14.371 ppbv	100
6) Bromomethane	3.47	94	806436	14.081 ppbv	98
7) Chloroethane	3.56	64	520964	14.749 ppbv	99
8) Dichlorotetrafluoroethane	3.19	85	3377208	13.737 ppbv	99
9) Propene	3.01	41	1159822	13.626 ppbv	99
10) Heptane	8.13	43	3018260	14.592 ppbv	100
11) Trichlorofluoromethane	3.95	101	3780356	14.724 ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.48	101	2684460	14.795 ppbv	99
13) Ethanol	3.61	45	116613	9.044 ppbv	97
14) Bromoethene	3.74	108	1144115	15.200 ppbv	100
15) Acetone	3.85	43	2045148	12.948 ppbv	100
16) 1,3-Butadiene	3.32	39	1395151	15.210 ppbv	99
17) tert-Butyl alcohol	4.29	59	1774776	12.417 ppbv	100
18) 1,1-Dichloroethene	4.29	96	1231681	15.289 ppbv	99
19) Isopropyl Alcohol	3.96	45	942041	10.268 ppbv	100
20) Methylene Chloride	4.34	84	1038007	11.084 ppbv	96
21) Allyl Chloride	4.41	41	1750832	14.821 ppbv	97
22) trans-1,2-Dichloroethene	4.88	96	1240841	15.612 ppbv	98
23) Vinyl Acetate	5.08	43	3415757	15.408 ppbv	100
24) 1,1-Dichloroethane	5.01	63	2628027	14.618 ppbv	99
25) Ethyl Acetate	5.68	43	4795179	14.280 ppbv	100
26) Hexane	5.69	57	2233430	13.207 ppbv	99
27) Carbon Disulfide	4.55	76	2880064	17.238 ppbv	99
28) Methyl tert-Butyl Ether	5.03	73	2907531	14.292 ppbv	100
29) Chloroform	5.75	83	3752423	14.254 ppbv	100
30) Cyclohexane	7.13	84	2003294	14.208 ppbv	98
31) cis-1,2-Dichloroethene	5.55	61	2333152	14.956 ppbv	98
32) 1,1,1-Trichloroethane	6.51	97	3902763	13.928 ppbv	100
34) 2-Butanone	5.25	43	2375726	14.961 ppbv	100
35) Carbon Tetrachloride	7.02	117	4218328	15.504 ppbv	96
36) Benzene	6.90	78	4666085	14.319 ppbv	98
37) 1,2-Dichloroethane	6.31	62	2890505	15.079 ppbv	100
38) Trichloroethene	7.84	130	2019612	13.035 ppbv	98
39) 1,2-Dichloropropane	7.62	63	1804052	14.900 ppbv	95
40) 1,4-Dioxane	7.83	88	400609	12.225 ppbv	# 100
41) Tetrahydrofuran	6.05	42	1136912	15.561 ppbv	99
42) Bromodichloromethane	7.80	83	4030476	15.377 ppbv	99
43) Methyl Methacrylate	8.02	69	1754141	15.573 ppbv	99

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Manual Integrations
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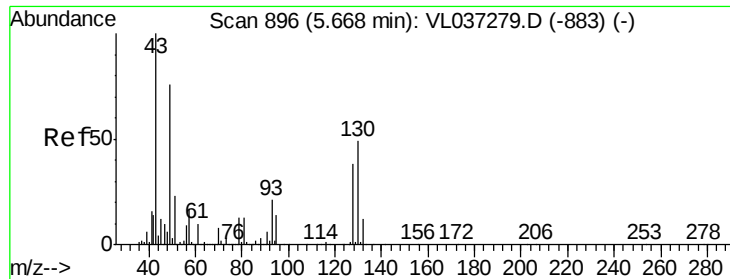
MMDadoda
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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL072721AIR.M
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

44) 2,2,4-Trimethylpentane	7.87	57	7557731	13.731	ppbv	99
45) t-1,3-Dichloropropene	9.28	75	1704827	17.549	ppbv	98
46) cis-1,3-Dichloropropene	8.71	75	2156722	16.168	ppbv	99
47) 1,1,2-Trichloroethane	9.48	97	2028870	14.631	ppbv	99
48) Dibromochloromethane	10.31	129	3700717	16.800	ppbv	100
49) Bromoform	13.05	173	3078268	18.518	ppbv	98
50) 4-Methyl-2-Pentanone	8.74	43	3509880	16.071	ppbv	99
51) 2-Hexanone	10.14	43	1809631	16.938	ppbv #	98
52) Tetrachloroethene	11.23	164	1948241	12.897	ppbv	96
53) Toluene	9.81	91	5611097	14.379	ppbv	98
54) 1,2-Dibromoethane	10.62	107	3033324	15.197	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.13	131	2474827	14.741	ppbv	90
57) Chlorobenzene	12.15	112	4352499	14.045	ppbv	99
58) Ethyl Benzene	12.72	91	7463914	14.205	ppbv	94
59) m/p-Xylene	13.00	91	12634889m	28.273	ppbv	
60) o-Xylene	13.70	91	6071691	14.235	ppbv	99
61) Styrene	13.54	104	3482173	15.966	ppbv	99
62) Isopropylbenzene	14.67	105	8410527	13.860	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.68	83	4214312	14.799	ppbv	99
64) n-propylbenzene	15.57	120	2298119	15.176	ppbv	92
65) tert-Butylbenzene	16.75	119	7640189	14.113	ppbv	99
66) Benzyl Chloride	16.99	91	393038	17.047	ppbv	99
67) sec-Butylbenzene	17.30	105	10032335	13.917	ppbv	98
69) p-Isopropyltoluene	17.66	119	8699557	14.306	ppbv	98
70) n-Butylbenzene	18.56	91	8248516	14.669	ppbv	99
71) 2-Chlorotoluene	15.46	91	6194351	14.550	ppbv	99
72) 4-Ethyltoluene	15.84	105	7305557	15.031	ppbv	99
73) 1,3,5-Trimethylbenzene	16.00	105	6673508	14.205	ppbv	97
74) 1,2,4-Trimethylbenzene	16.77	105	6837771	14.122	ppbv	96
75) 1,3-Dichlorobenzene	17.00	146	4278262	14.556	ppbv	99
76) 1,4-Dichlorobenzene	17.14	146	4179283	14.258	ppbv	99
77) 1,2-Dichlorobenzene	17.82	146	4099816	14.376	ppbv	100
78) Hexachloro-1,3-Butadiene	23.38	225	2547041	10.740	ppbv	99
79) Naphthalene	22.20	128	4912997	12.962	ppbv	100
80) Naphthalene, 2-methyl-	24.98	142	1175718	12.915	ppbv	92
81) 1,2,4-Trichlorobenzene	21.93	180	2893380	13.014	ppbv	99

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 min Scan# 897

Delta R.T. 0.00 min

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Acq: 27 Jul 2021 6:27

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tot Ion: 49 Resp: 1362492

Ion Ratio Lower Upper

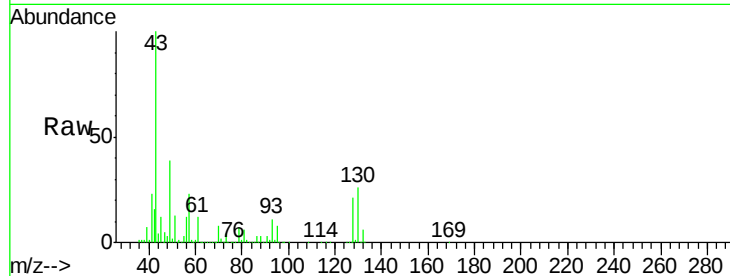
49 100

128 59.4 28.4 85.2

130 72.2 34.8 104.5

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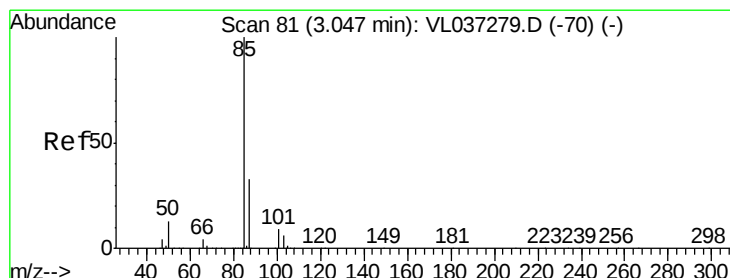
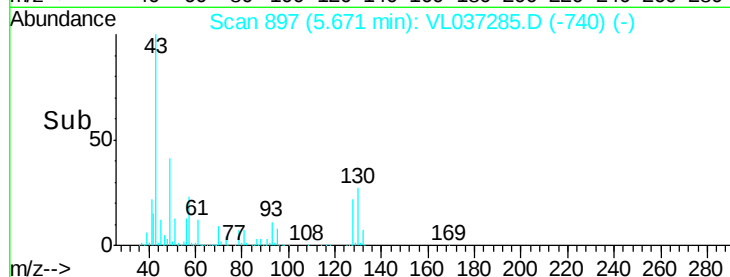
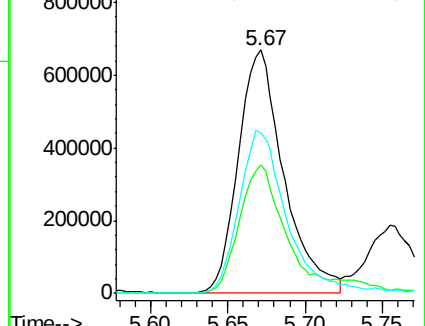
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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 12.138 ppbv

RT: 3.04 min Scan# 80

Delta R.T. -0.00 min

Lab File: VL037285.D

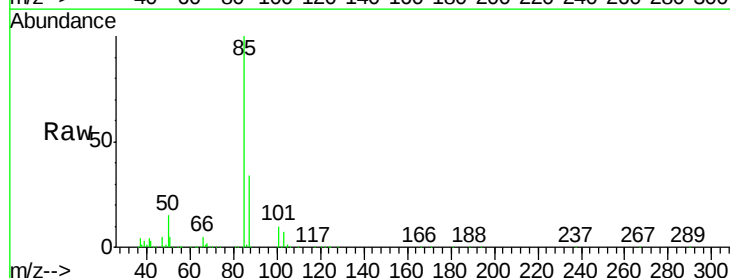
Acq: 27 Jul 2021 6:27

Tgt Ion: 85 Resp: 2917154

Ion Ratio Lower Upper

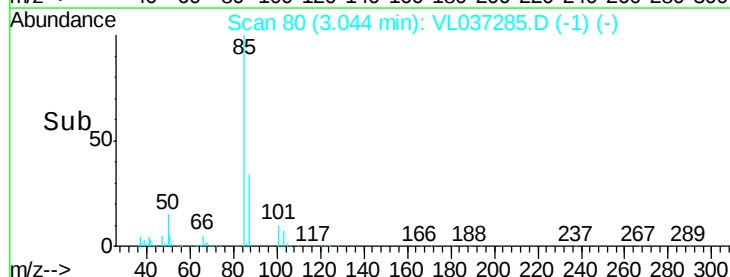
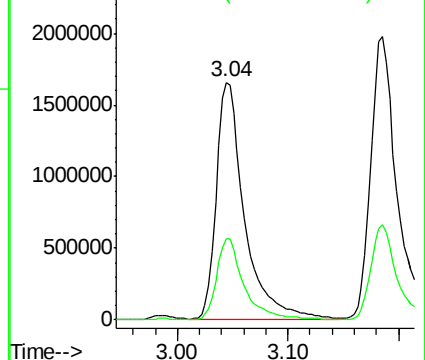
85 100

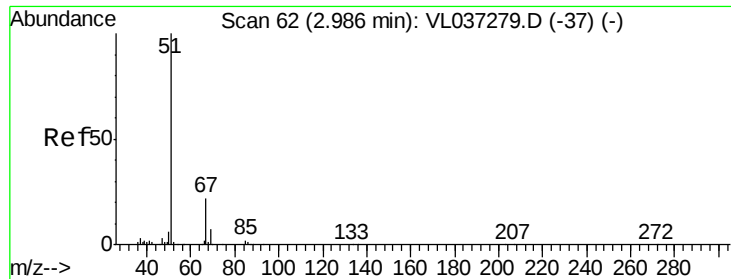
87 34.0 26.6 39.8



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





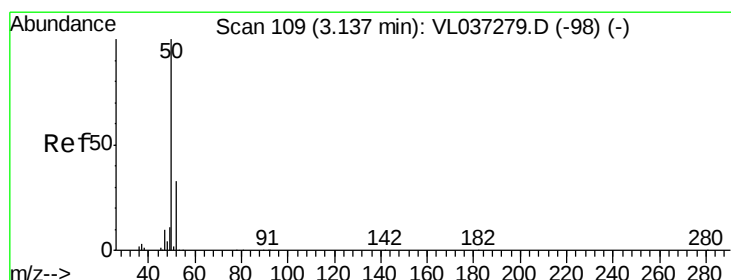
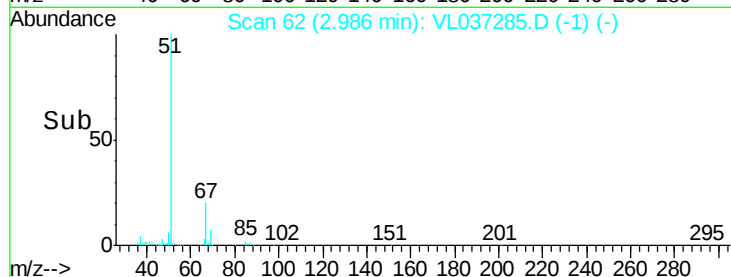
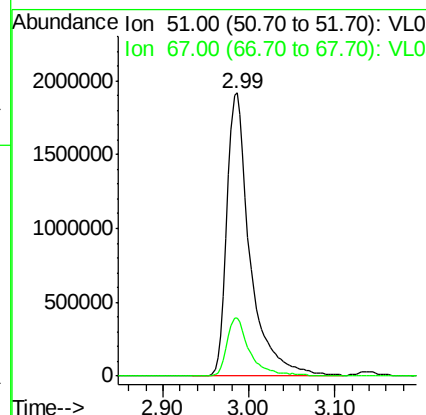
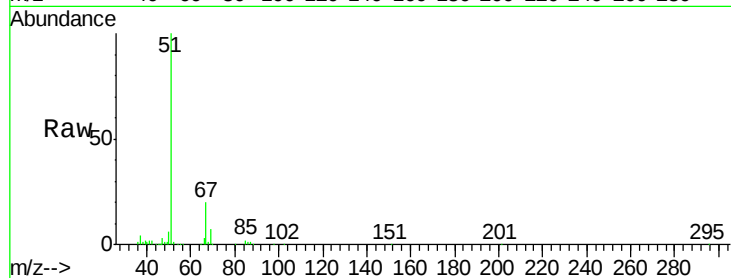
#3
Chlorodifluoromethane
Concen: 13.494 ppbv
RT: 2.99 min Scan# 62
Delta R.T. 0.00 min
Lab File: VL037285.D
Acq: 27 Jul 2021 6:27

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tot Ion: 51 Resp: 3607248
Ion Ratio Lower Upper
51 100
67 20.4 16.2 24.4

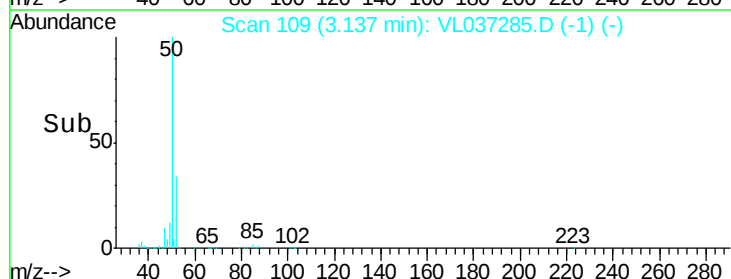
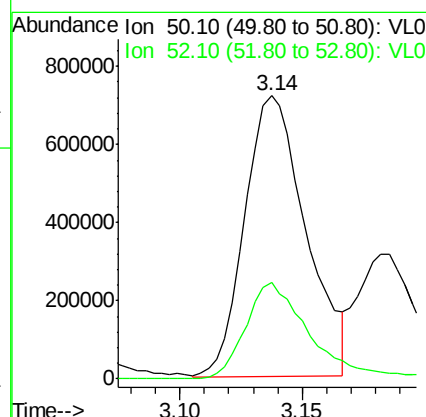
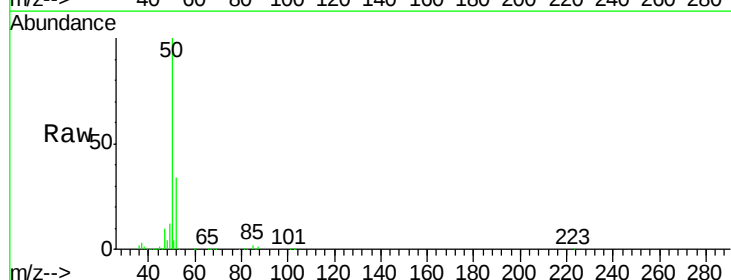
Manual Integrations
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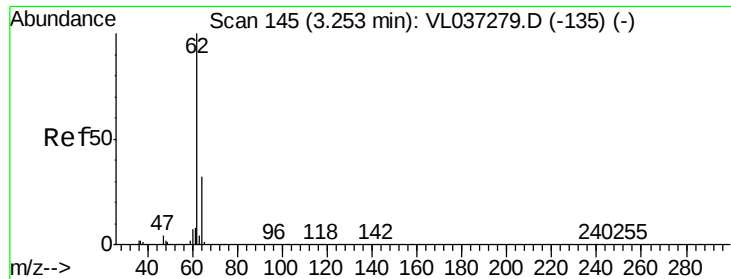
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#4
Chloromethane
Concen: 14.125 ppbv
RT: 3.14 min Scan# 109
Delta R.T. 0.00 min
Lab File: VL037285.D
Acq: 27 Jul 2021 6:27

Tgt Ion: 50 Resp: 1256799
Ion Ratio Lower Upper
50 100
52 34.4 26.4 39.6





#5

Vinyl Chloride

Concen: 14.371 ppbv

RT: 3.25 min Scan# 145

Delta R.T. 0.00 min

Lab File: VL037285.D

Acq: 27 Jul 2021 6:27

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tot Ion: 62 Resp: 1392977

Ion Ratio Lower Upper

62 100

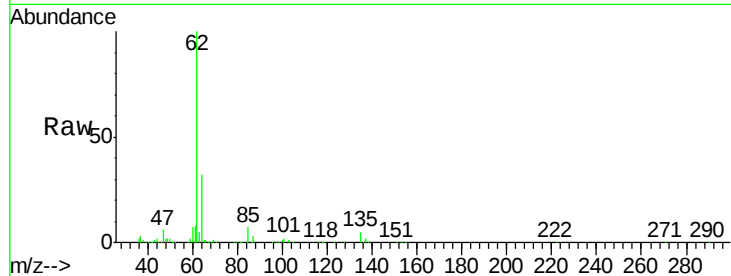
64 31.9 25.5 38.3

Manual Integrations

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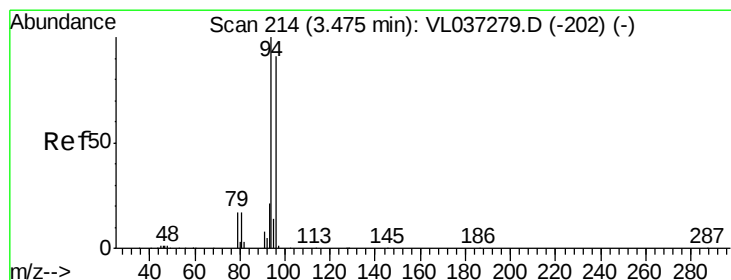
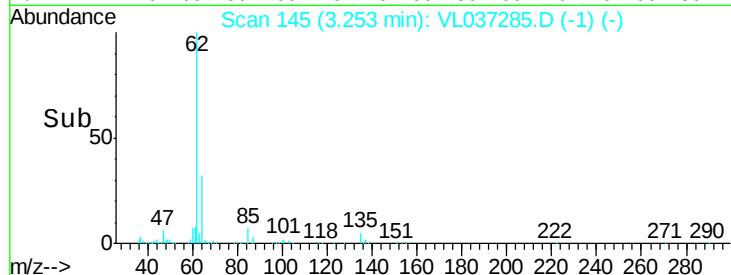
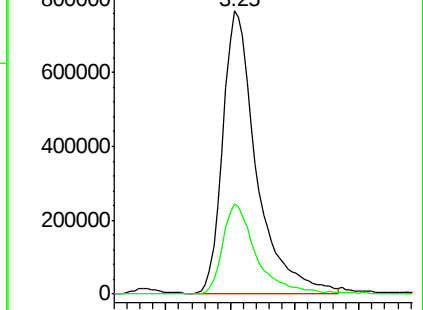
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Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 14.081 ppbv

RT: 3.47 min Scan# 213

Delta R.T. -0.00 min

Lab File: VL037285.D

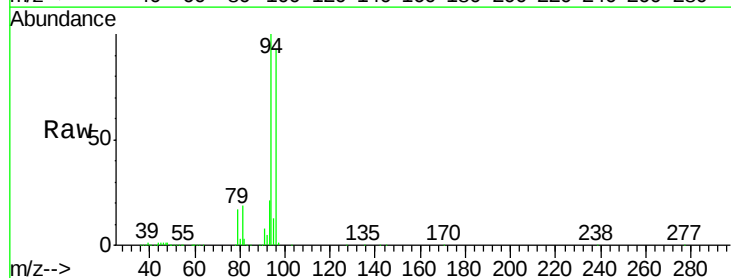
Acq: 27 Jul 2021 6:27

Tgt Ion: 94 Resp: 806436

Ion Ratio Lower Upper

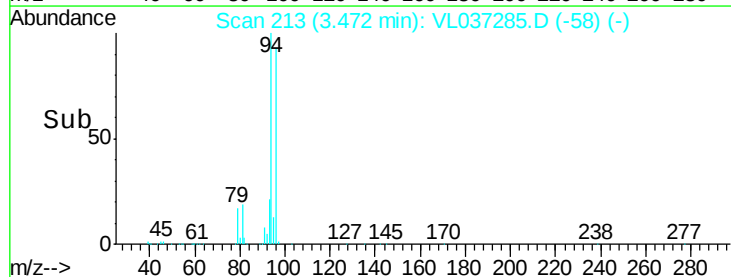
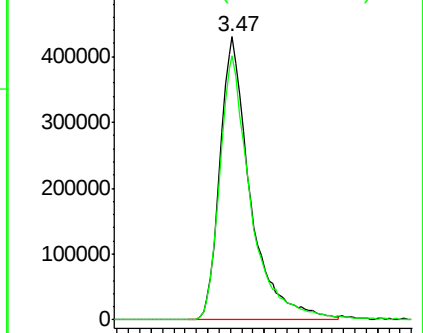
94 100

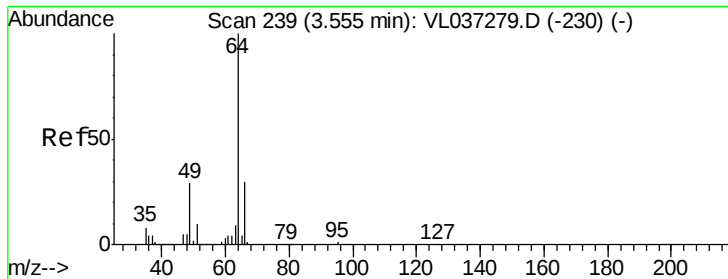
96 93.5 73.0 109.4



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 14.749 ppbv

RT: 3.56 min Scan# 239

Delta R.T. 0.00 min

Lab File: VL037285.D

Acq: 27 Jul 2021 6:27

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tot Ion: 64 Resp: 520964

Ion Ratio Lower Upper

64 100

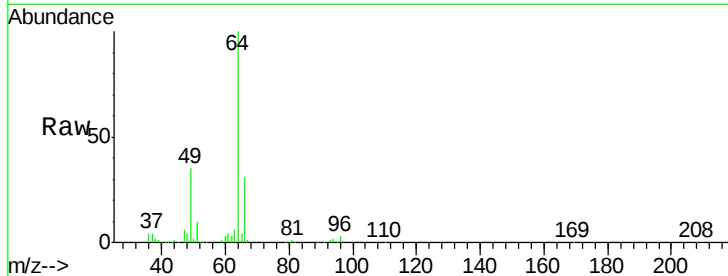
66 31.0 24.3 36.5

Manual Integrations

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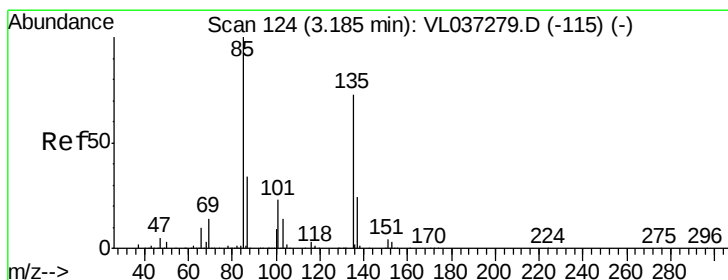
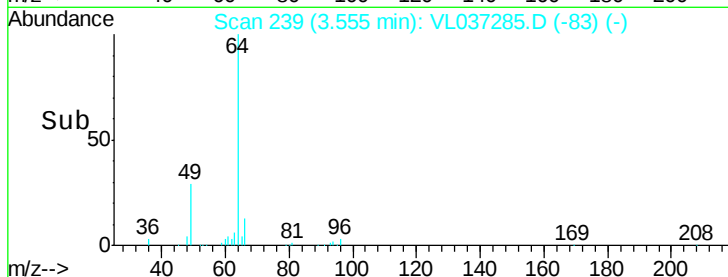
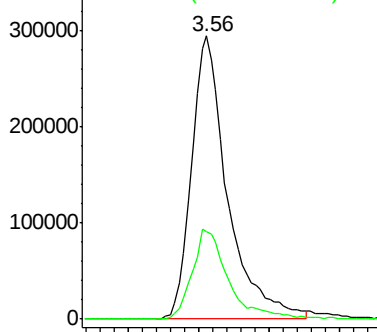
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Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0



#8

Dichlorotetrafluoroethane

Concen: 13.737 ppbv

RT: 3.19 min Scan# 124

Delta R.T. 0.00 min

Lab File: VL037285.D

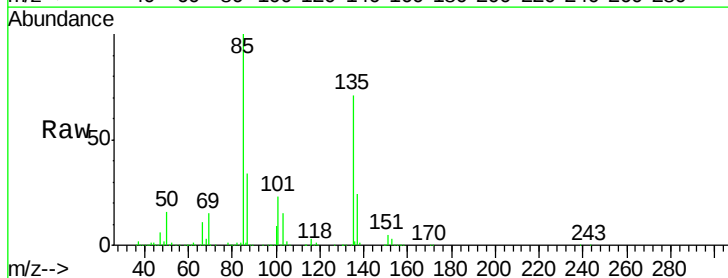
Acq: 27 Jul 2021 6:27

Tgt Ion: 85 Resp: 3377208

Ion Ratio Lower Upper

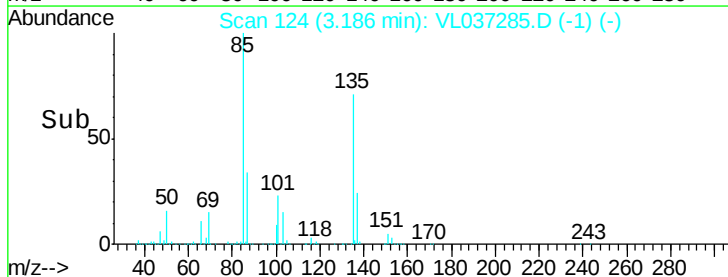
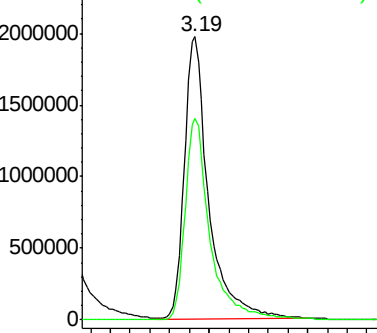
85 100

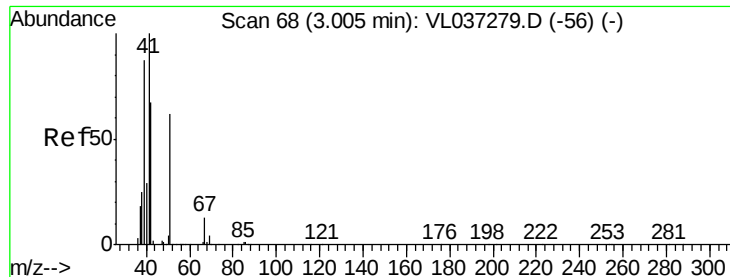
135 74.2 60.3 90.5



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V





#9

Propene

Concen: 13.626 ppbv

RT: 3.01 min Scan# 68

Delta R.T. 0.00 min

Lab File: VL037285.D

Acq: 27 Jul 2021 6:27

Tot Ion: 41 Resp: 1159822

Ion Ratio Lower Upper

41 100

42 68.0 53.4 80.2

Instrument :

MSVOA_L

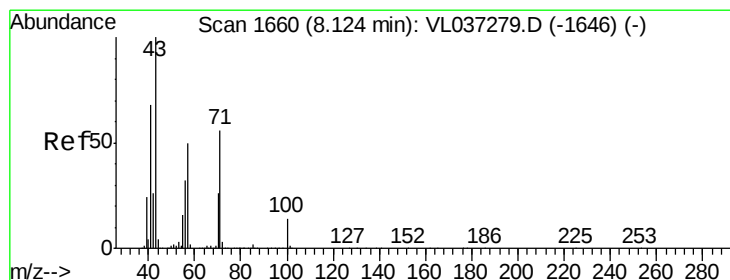
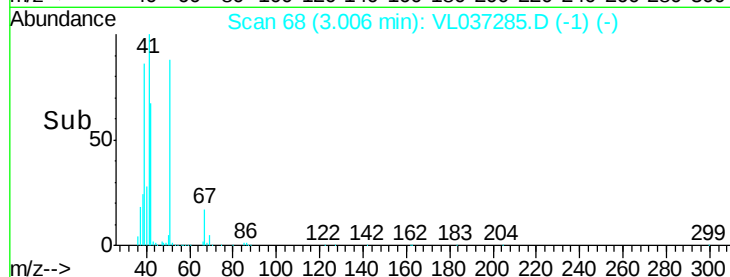
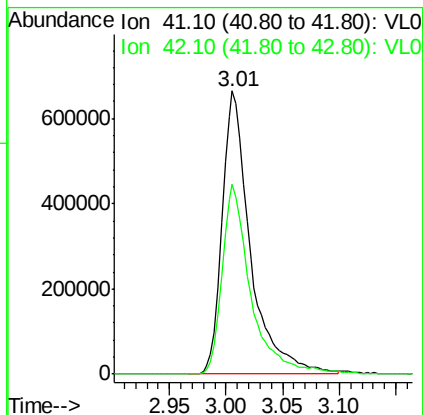
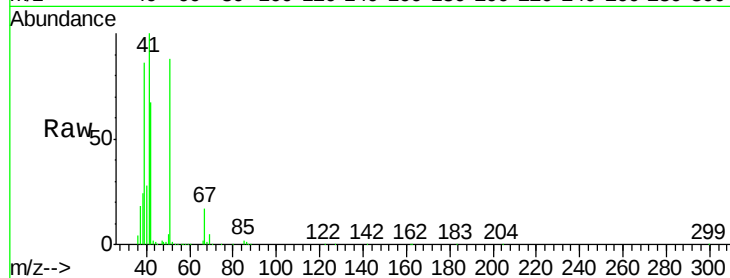
ClientSampleId :

VSTDIC015

Manual Integrations
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#10

Heptane

Concen: 14.592 ppbv

RT: 8.13 min Scan# 1661

Delta R.T. 0.00 min

Lab File: VL037285.D

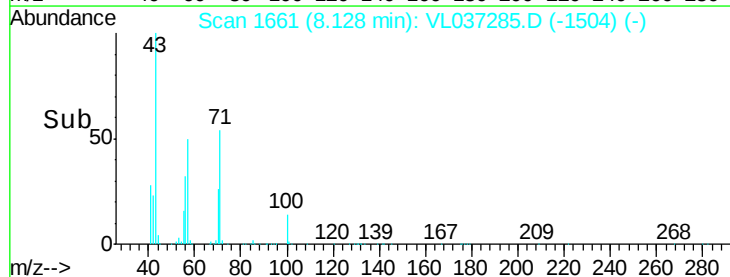
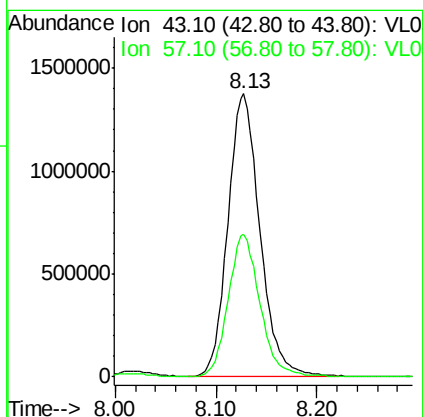
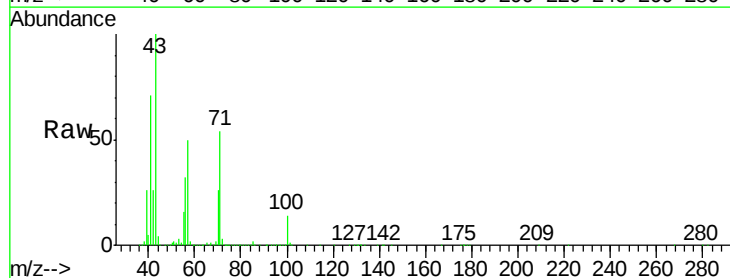
Acq: 27 Jul 2021 6:27

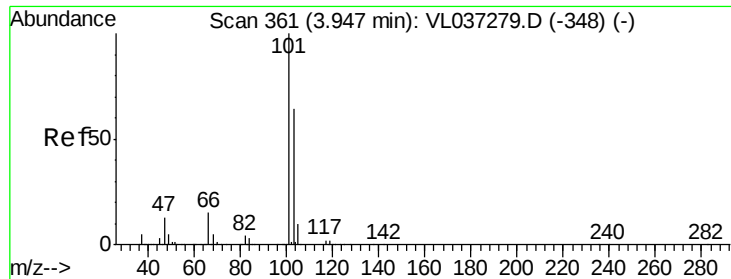
Tgt Ion: 43 Resp: 3018260

Ion Ratio Lower Upper

43 100

57 50.4 40.1 60.1





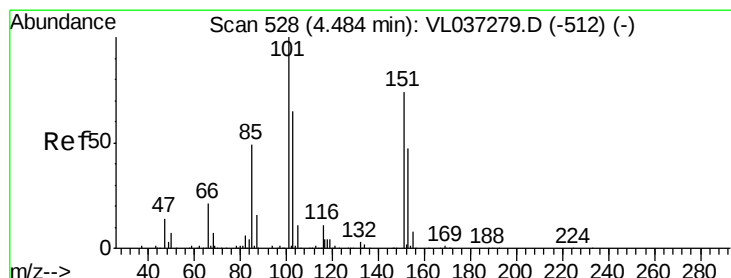
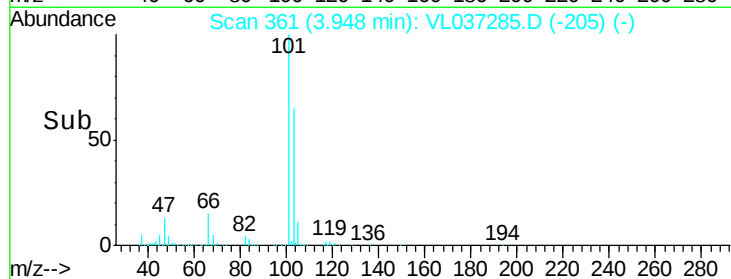
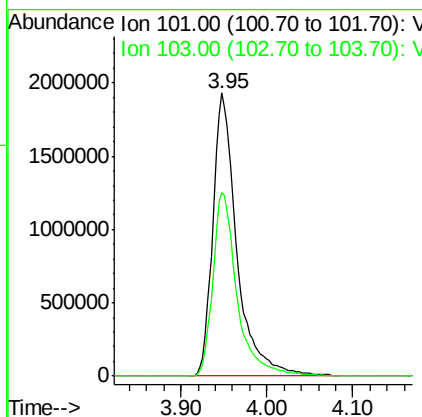
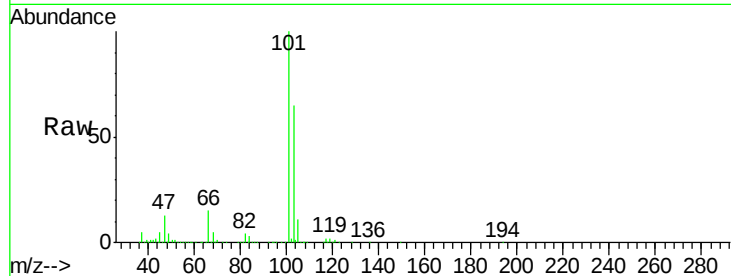
#11
 Trichlorofluoromethane
 Concen: 14.724 ppbv
 RT: 3.95 min Scan# 361
 Delta R.T. 0.00 min
 Lab File: VL037285.D
 Acq: 27 Jul 2021 6:27

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

Tot Ion:101 Resp: 3780356
 Ion Ratio Lower Upper
 101 100
 103 64.6 51.4 77.0

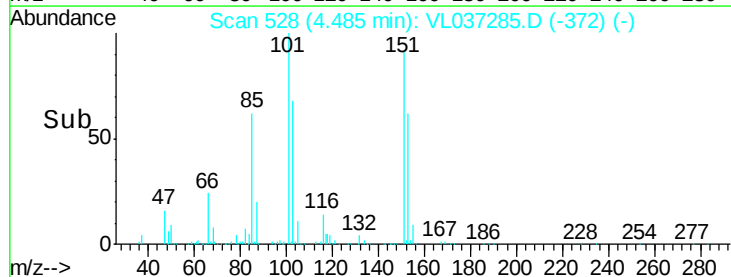
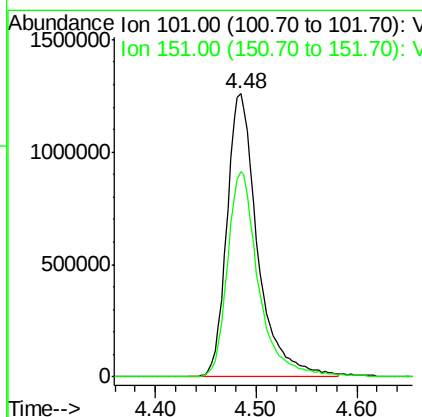
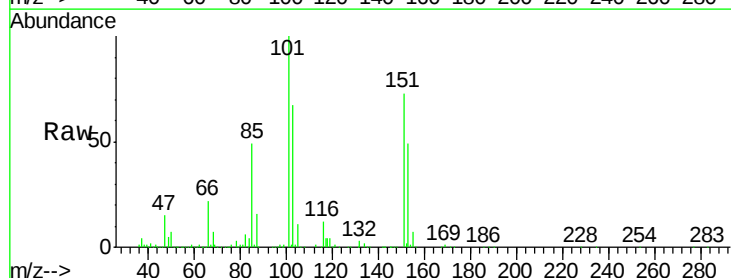
Manual Integrations
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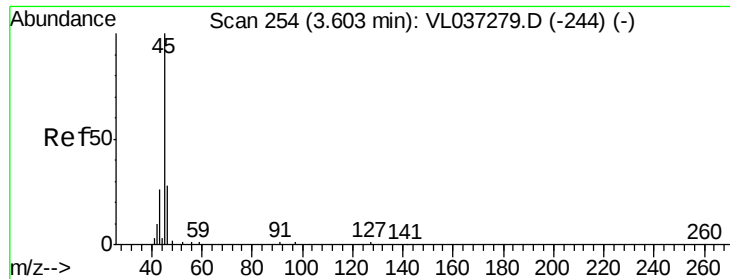
MMDadoda
 8/2/2021 9:03:50 AM



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 14.795 ppbv
 RT: 4.48 min Scan# 528
 Delta R.T. 0.00 min
 Lab File: VL037285.D
 Acq: 27 Jul 2021 6:27

Tgt Ion:101 Resp: 2684460
 Ion Ratio Lower Upper
 101 100
 151 73.5 59.3 88.9





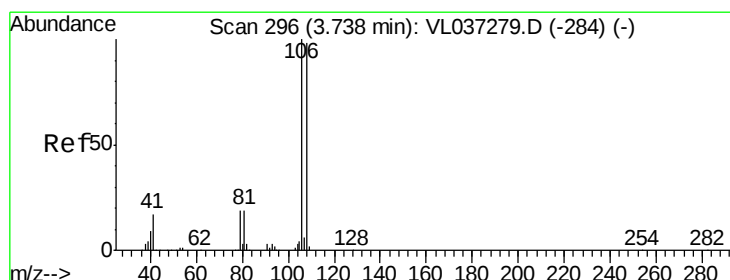
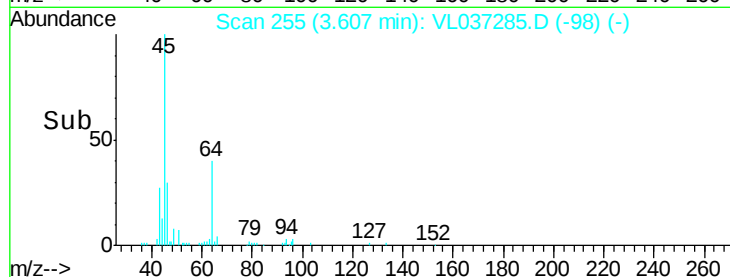
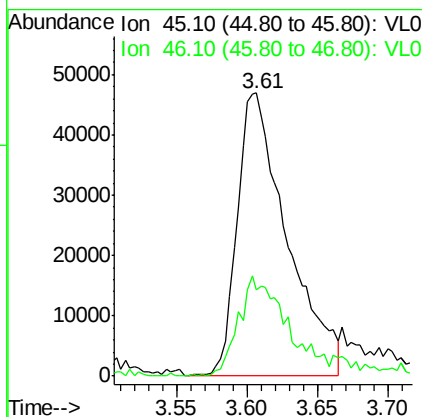
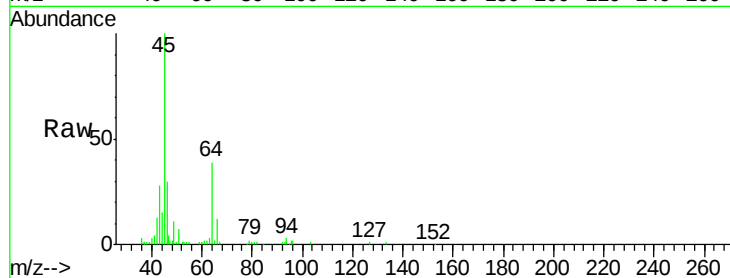
#13
Ethanol
Concen: 9.044 ppbv
RT: 3.61 min Scan# 255
Delta R.T. 0.00 min
Lab File: VL037285.D
Acq: 27 Jul 2021 6:27

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tot Ion	45	Resp	116613
Ion Ratio	100	Lower	Upper
46	39.6	15.1	60.3

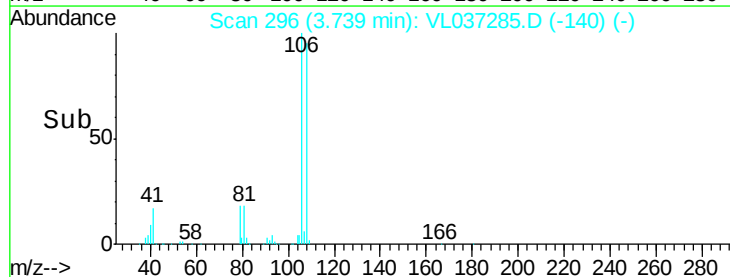
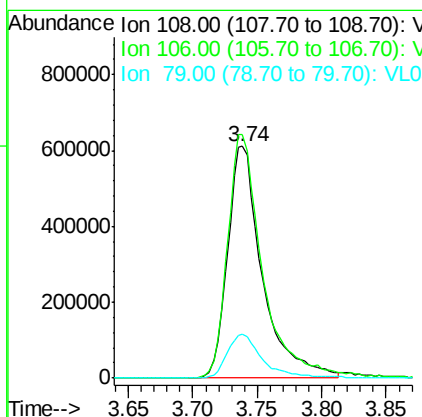
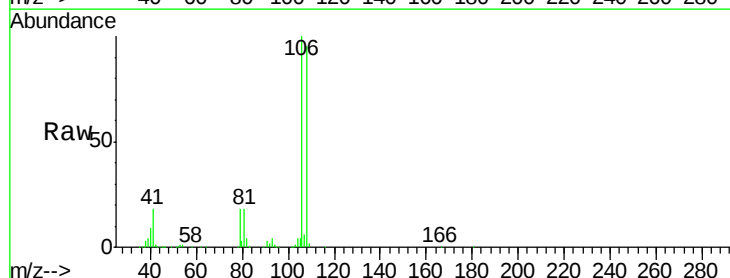
Manual Integrations
APPROVED

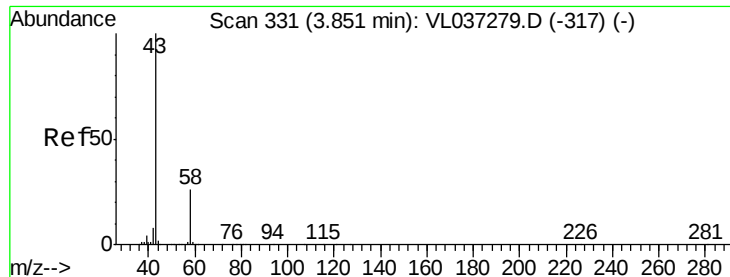
MMDadoda
8/2/2021 9:03:50 AM



#14
Bromoethene
Concen: 15.200 ppbv
RT: 3.74 min Scan# 296
Delta R.T. 0.00 min
Lab File: VL037285.D
Acq: 27 Jul 2021 6:27

Tgt Ion	108	Resp	1144115
Ion Ratio	100	Lower	Upper
106	107.1	86.0	129.0
79	19.8	16.0	24.0





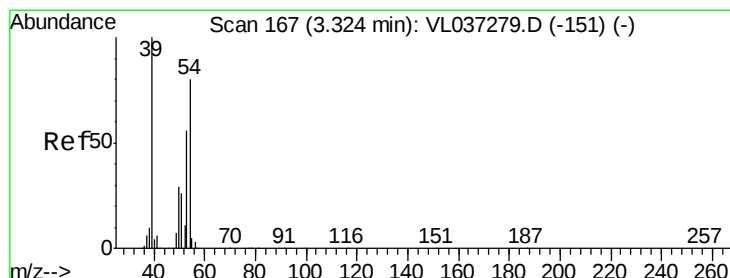
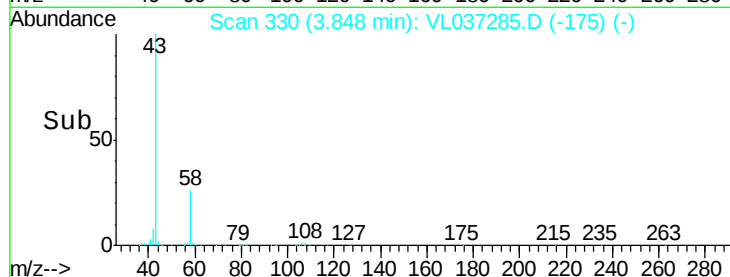
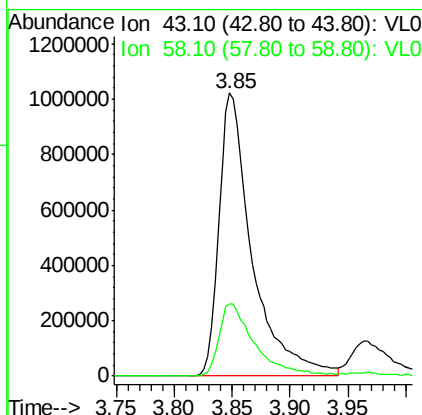
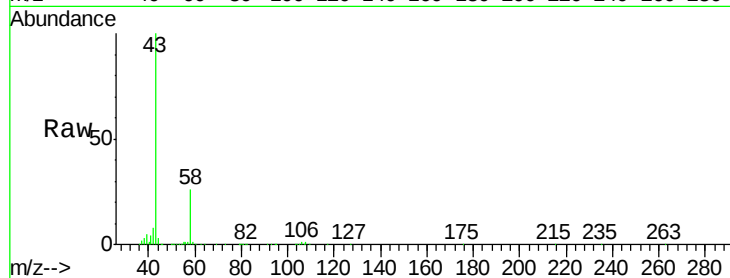
#15
Acetone
Concen: 12.948 ppbv
RT: 3.85 min Scan# 330
Delta R.T. -0.00 min
Lab File: VL037285.D
Acq: 27 Jul 2021 6:27

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tot Ion: 43 Resp: 2045148
Ion Ratio Lower Upper
43 100
58 27.9 22.3 33.5

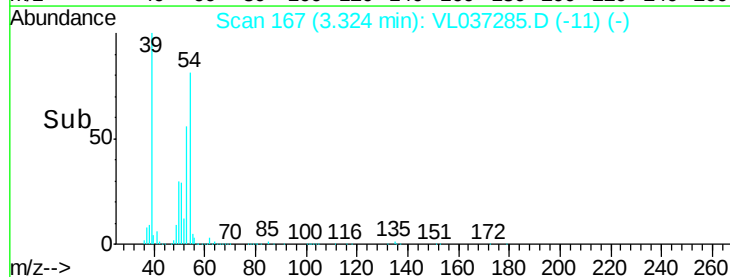
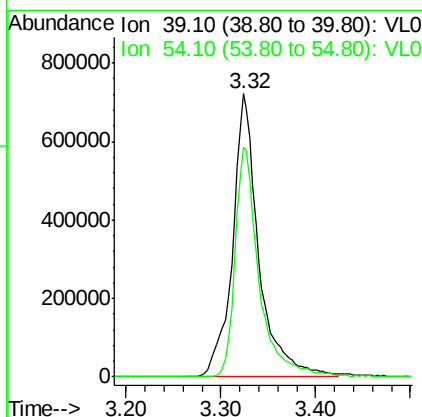
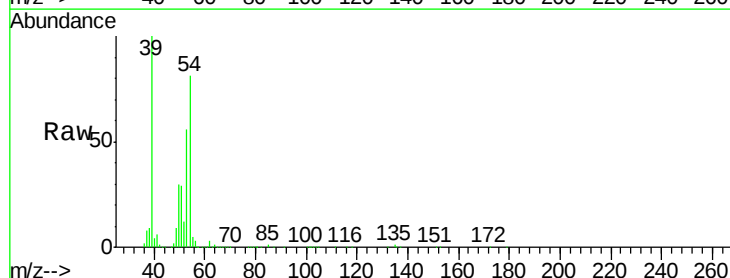
Manual Integrations
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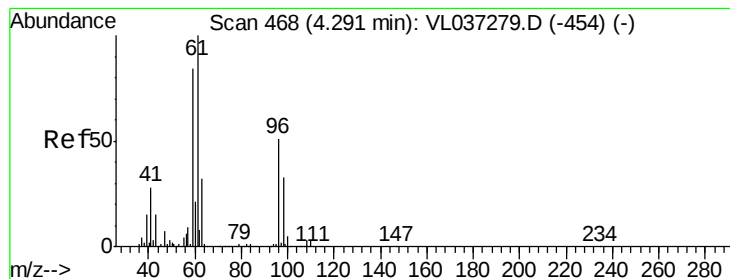
MMDadoda
8/2/2021 9:03:50 AM



#16
1,3-Butadiene
Concen: 15.210 ppbv
RT: 3.32 min Scan# 167
Delta R.T. 0.00 min
Lab File: VL037285.D
Acq: 27 Jul 2021 6:27

Tgt Ion: 39 Resp: 1395151
Ion Ratio Lower Upper
39 100
54 74.6 60.4 90.6





#17

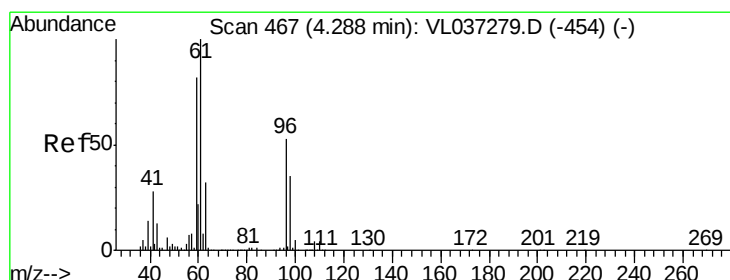
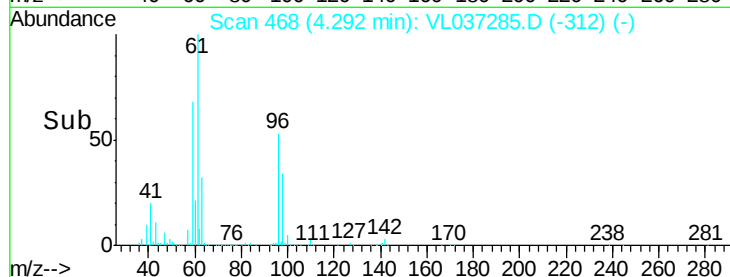
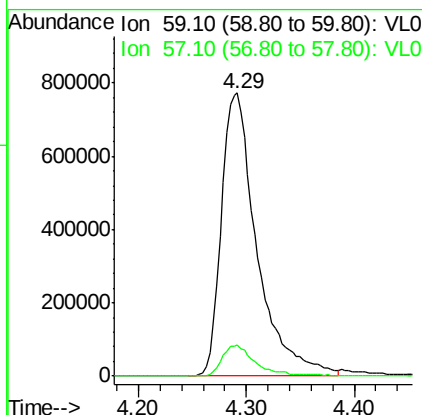
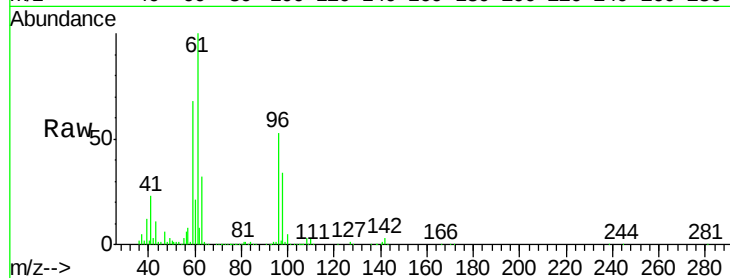
tert-Butyl alcohol
Concen: 12.417 ppbv
RT: 4.29 min Scan# 468
Delta R.T. 0.00 min
Lab File: VL037285.D
Acq: 27 Jul 2021 6:27

Instrument :
MSVOA_L
ClientSampled :
VSTDIC015

Tot Ion: 59 Resp: 1774776
Ion Ratio Lower Upper
59 100
57 11.0 8.6 13.0

Manual Integrations
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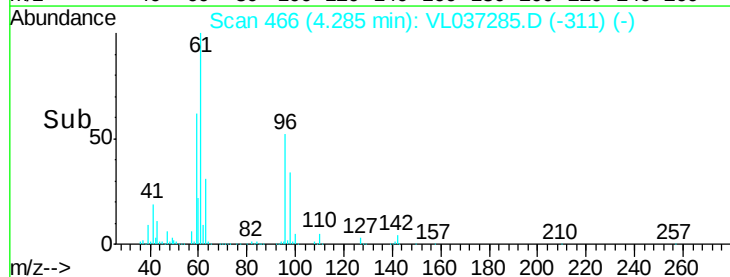
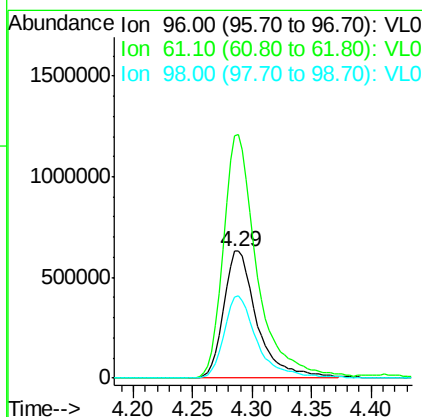
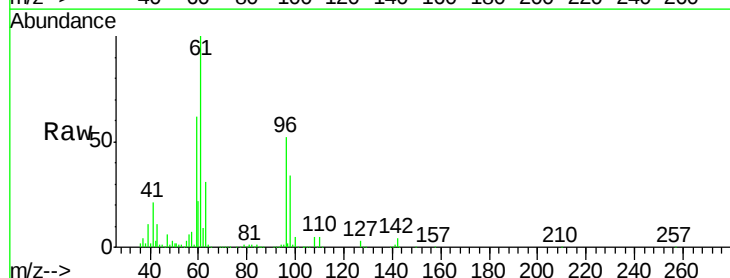
MMDadoda
8/2/2021 9:03:50 AM

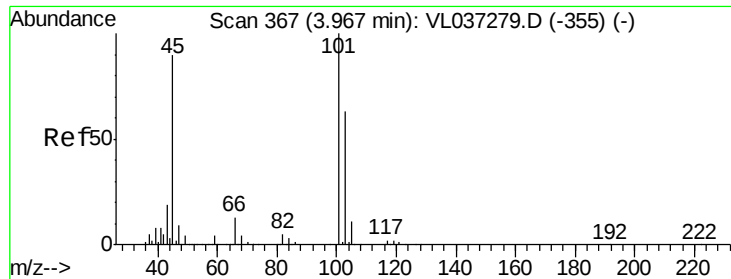


#18

1,1-Dichloroethene
Concen: 15.289 ppbv
RT: 4.29 min Scan# 466
Delta R.T. -0.00 min
Lab File: VL037285.D
Acq: 27 Jul 2021 6:27

Tgt Ion: 96 Resp: 1231681
Ion Ratio Lower Upper
96 100
61 190.7 151.4 227.2
98 64.0 52.4 78.6





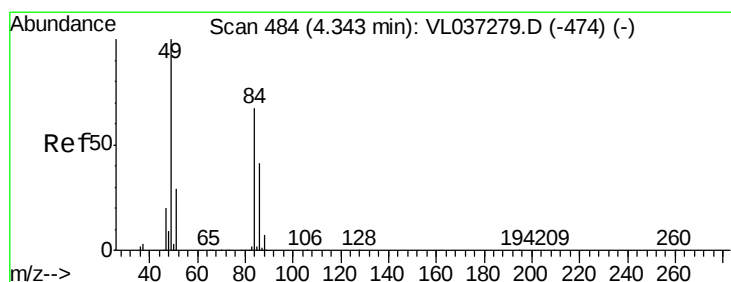
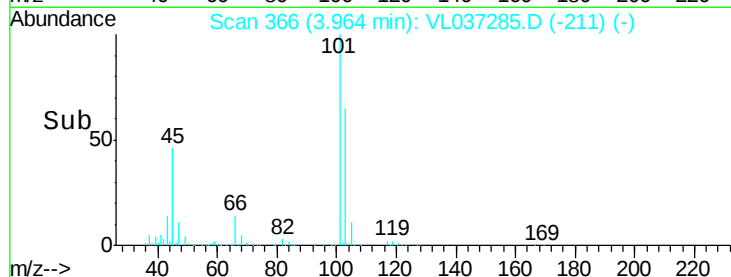
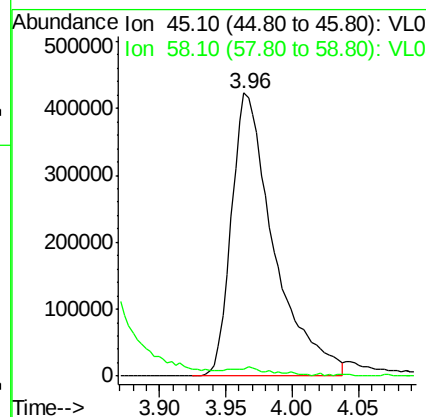
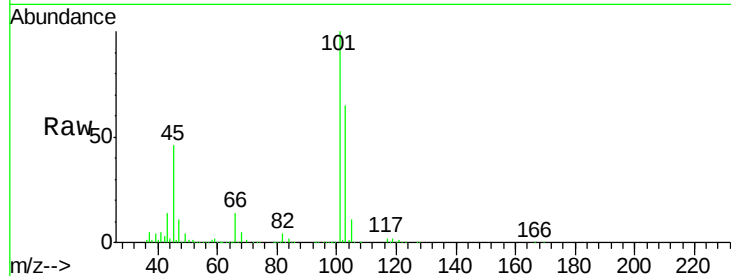
#19
Isopropyl Alcohol
Concen: 10.268 ppbv
RT: 3.96 min Scan# 366
Delta R.T. -0.00 min
Lab File: VL037285.D
Acq: 27 Jul 2021 6:27

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tot Ion: 45 Resp: 942041
Ion Ratio Lower Upper
45 100
58 3.6 3.0 4.4

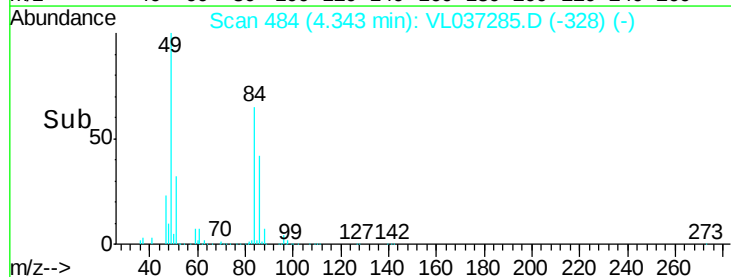
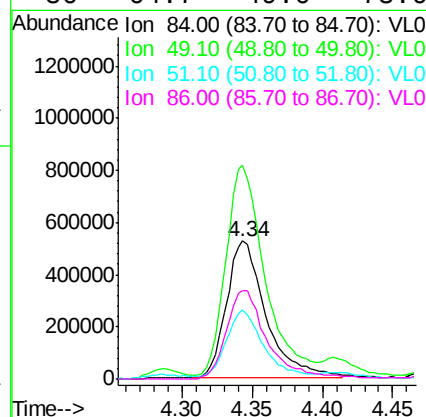
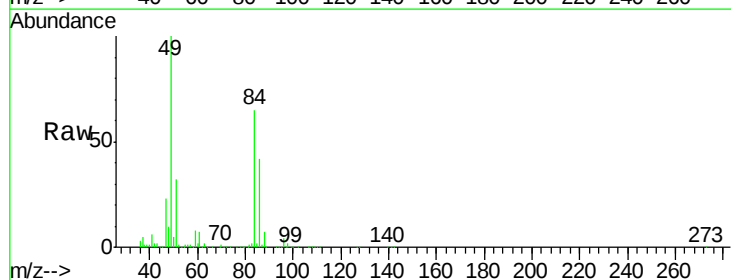
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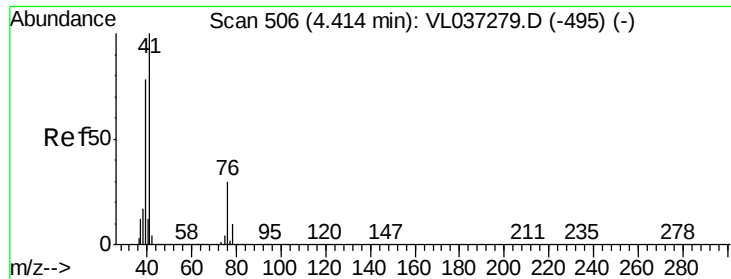
MMDadoda
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#20
Methylene Chloride
Concen: 11.084 ppbv
RT: 4.34 min Scan# 484
Delta R.T. 0.00 min
Lab File: VL037285.D
Acq: 27 Jul 2021 6:27

Tgt Ion: 84 Resp: 1038007
Ion Ratio Lower Upper
84 100
49 152.8 119.0 178.6
51 48.8 35.0 52.4
86 64.7 49.0 73.6





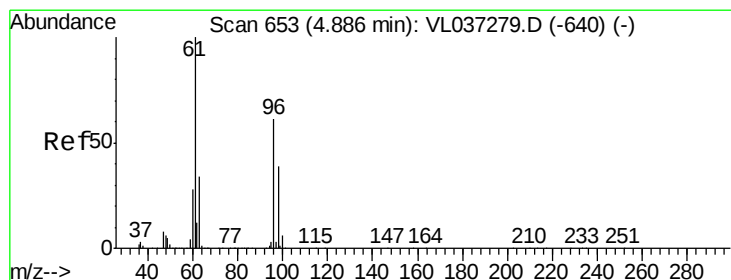
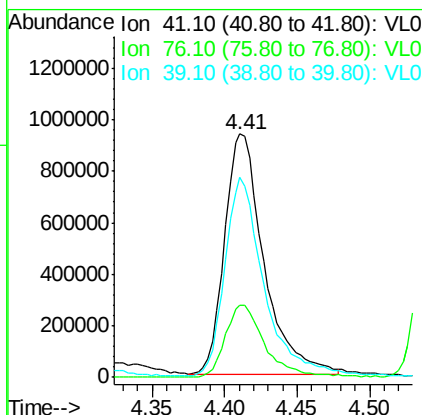
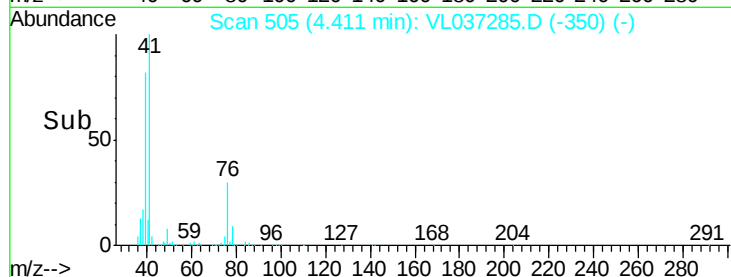
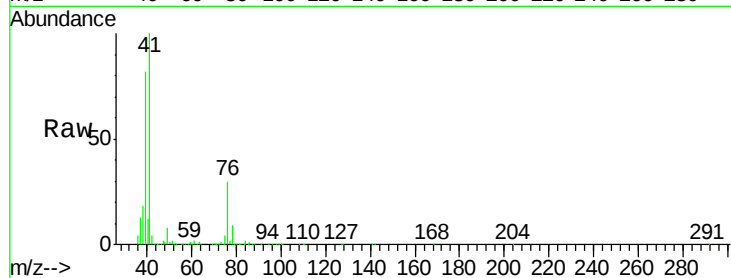
#21
Allvl Chloride
Concen: 14.821 ppbv
RT: 4.41 min Scan# 505
Delta R.T. -0.00 min
Lab File: VL037285.D
Acq: 27 Jul 2021 6:27

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tot Ion: 41 Resp: 1750832
Ion Ratio Lower Upper
41 100
76 30.8 23.6 35.4
39 83.1 63.8 95.6

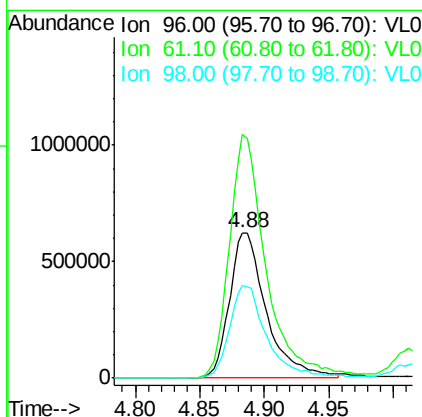
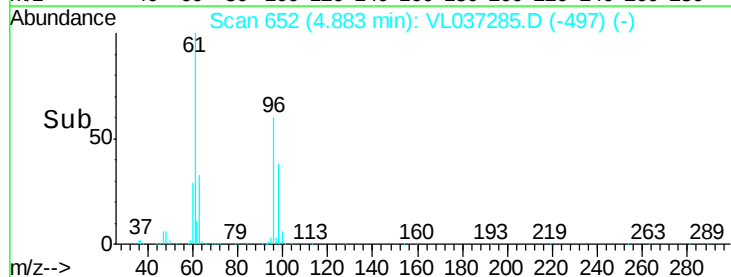
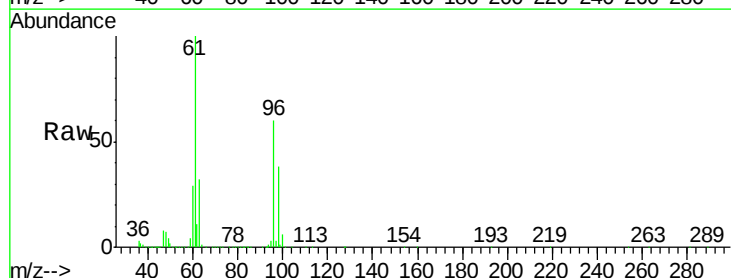
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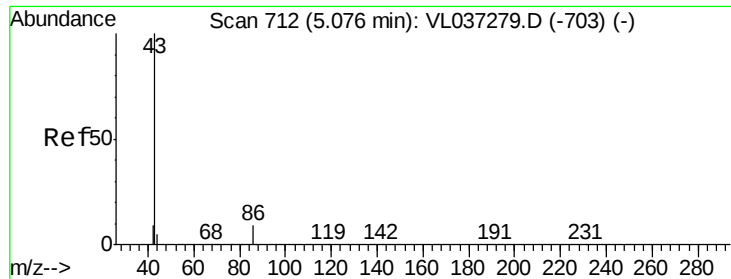
MMDadoda
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#22
trans-1,2-Dichloroethene
Concen: 15.612 ppbv
RT: 4.88 min Scan# 652
Delta R.T. -0.00 min
Lab File: VL037285.D
Acq: 27 Jul 2021 6:27

Tgt Ion: 96 Resp: 1240841
Ion Ratio Lower Upper
96 100
61 167.4 131.8 197.6
98 63.7 51.4 77.2





#23

Vinyl Acetate

Concen: 15.408 ppbv

RT: 5.08 min Scan# 712

Delta R.T. 0.00 min

Lab File: VL037285.D

Acq: 27 Jul 2021 6:27

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tot Ion: 43 Resp: 3415757

Ion Ratio Lower Upper

43 100

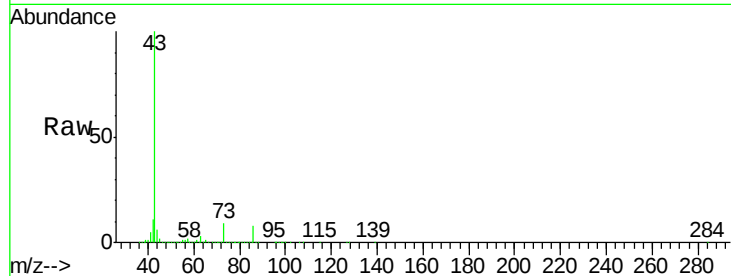
86 7.9 6.2 9.2

42 10.3 8.2 12.4

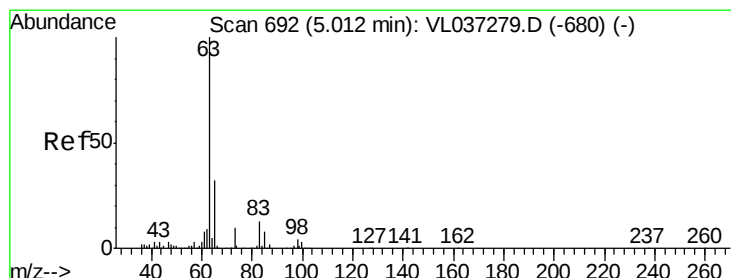
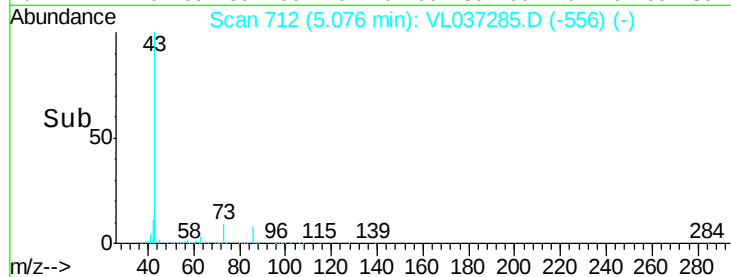
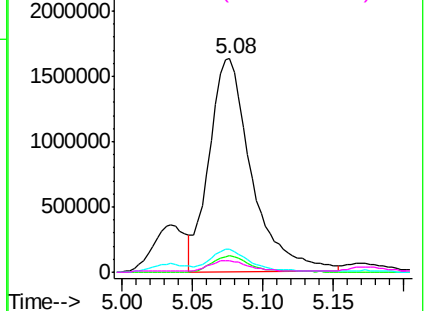
44 5.1 3.7 5.5

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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: 14.618 ppbv

RT: 5.01 min Scan# 692

Delta R.T. 0.00 min

Lab File: VL037285.D

Acq: 27 Jul 2021 6:27

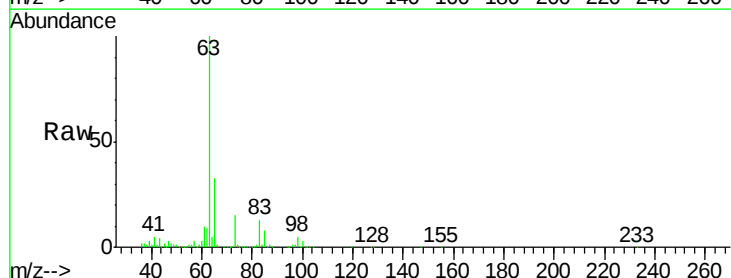
Tgt Ion: 63 Resp: 2628027

Ion Ratio Lower Upper

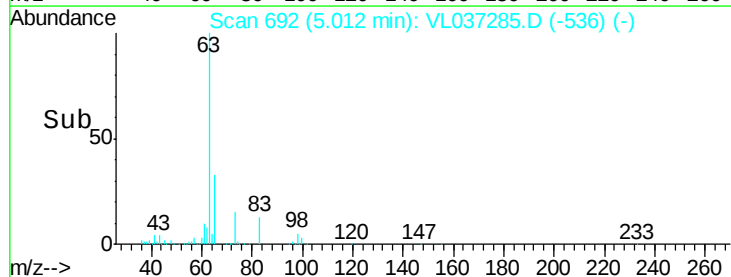
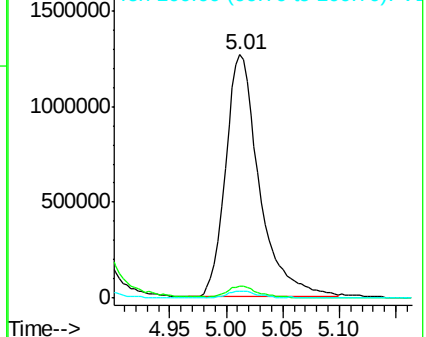
63 100

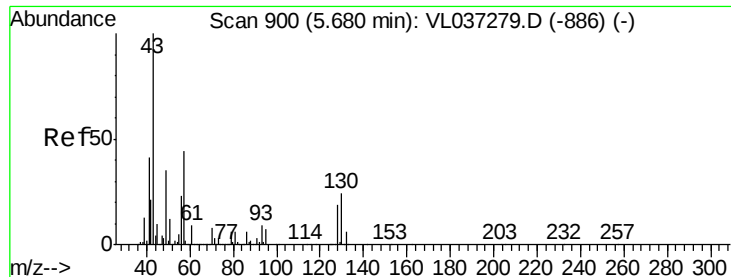
98 4.5 2.4 7.1

100 2.9 1.4 4.0



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: 14.280 ppbv

RT: 5.68 min Scan# 900

Delta R.T. 0.00 min

Lab File: VL037285.D

Acq: 27 Jul 2021 6:27

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tot Ion: 43 Resp: 4795179

Ion Ratio Lower Upper

43 100

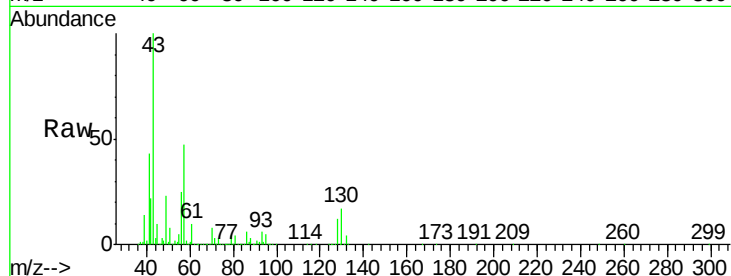
45 9.8 7.8 11.6

61 9.7 8.0 12.0

70 6.9 5.4 8.2

Manual Integrations
APPROVED

MMDadoda
8/2/2021 9:03:50 AM

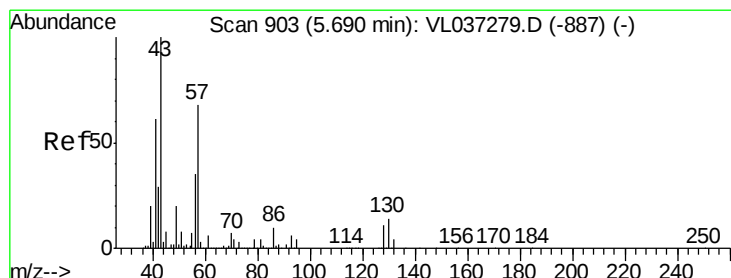
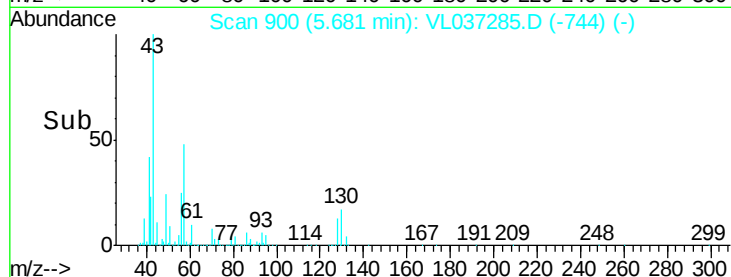
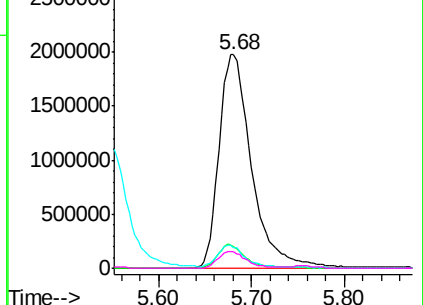


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 13.207 ppbv

RT: 5.69 min Scan# 902

Delta R.T. -0.00 min

Lab File: VL037285.D

Acq: 27 Jul 2021 6:27

Tgt Ion: 57 Resp: 2233430

Ion Ratio Lower Upper

57 100

41 96.3 75.7 113.5

43 216.2 172.2 258.2

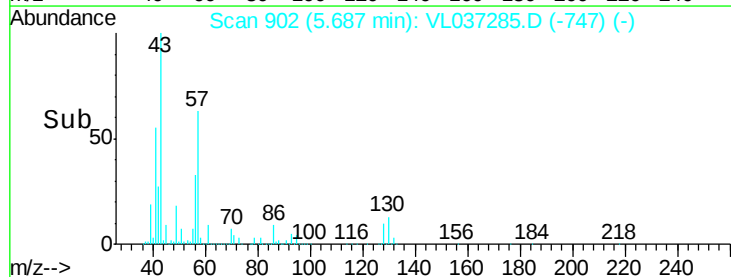
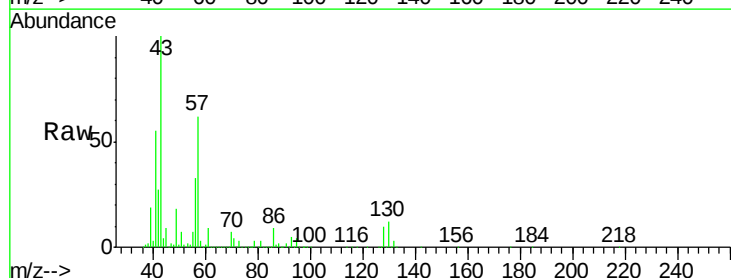
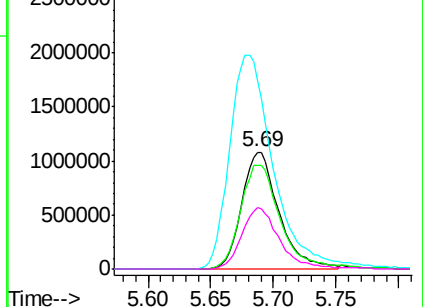
56 53.7 42.9 64.3

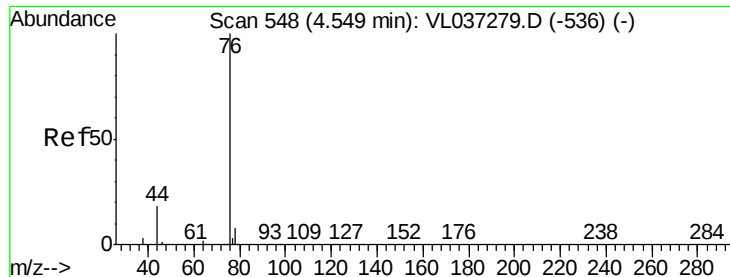
Abundance Ion 57.10 (56.80 to 57.80): VL0

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: 17.238 ppbv

RT: 4.55 min Scan# 548

Delta R.T. 0.00 min

Lab File: VL037285.D

Acq: 27 Jul 2021 6:27

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tot Ion: 76 Resp: 2880064

Ion Ratio Lower Upper

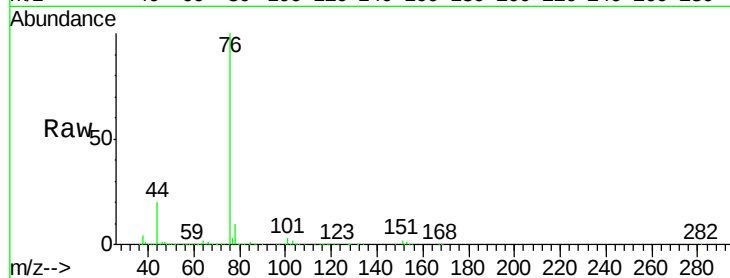
76 100

44 19.5 15.8 23.8

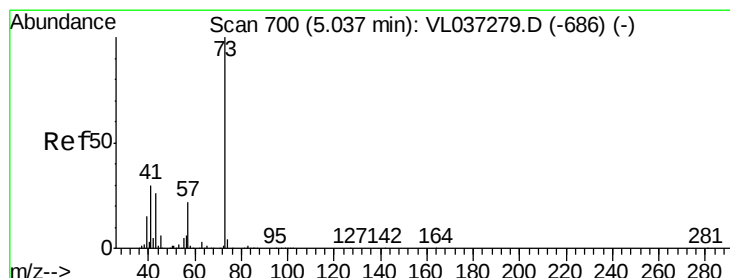
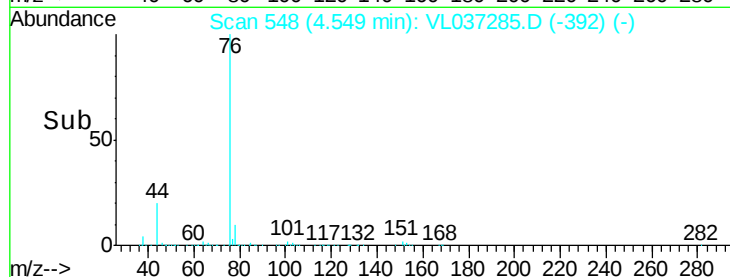
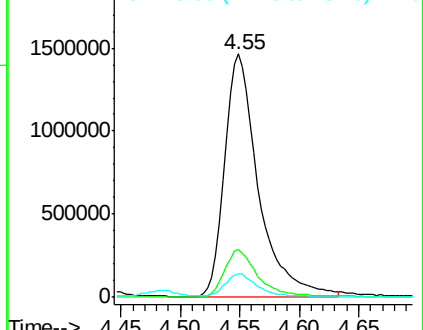
78 10.1 8.4 12.6

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Abundance Ion 76.00 (75.70 to 76.70): VL0
Ion 44.10 (43.80 to 44.80): VL0
Ion 78.00 (77.70 to 78.70): VL0



#28

Methyl tert-Butyl Ether

Concen: 14.292 ppbv

RT: 5.03 min Scan# 699

Delta R.T. -0.00 min

Lab File: VL037285.D

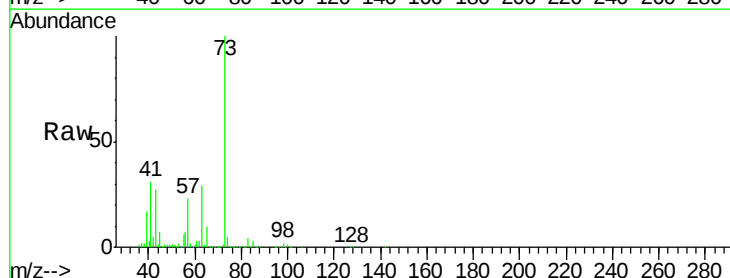
Acq: 27 Jul 2021 6:27

Tgt Ion: 73 Resp: 2907531

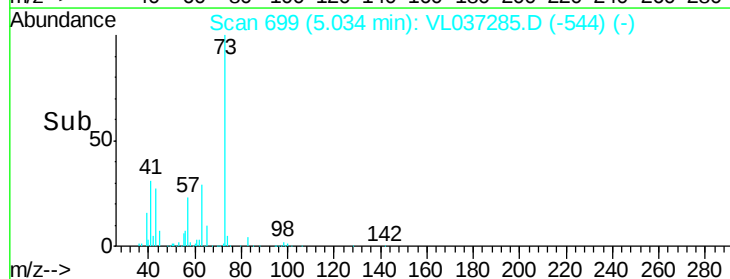
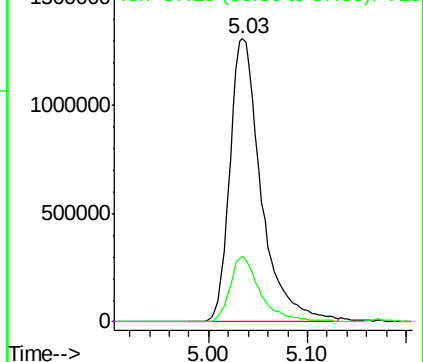
Ion Ratio Lower Upper

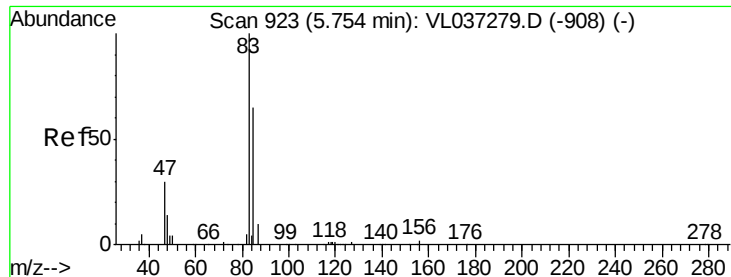
73 100

57 22.5 17.9 26.9



Abundance Ion 73.10 (72.80 to 73.80): VL0
Ion 57.10 (56.80 to 57.80): VL0





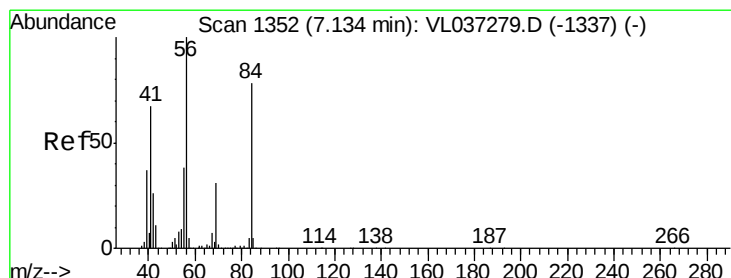
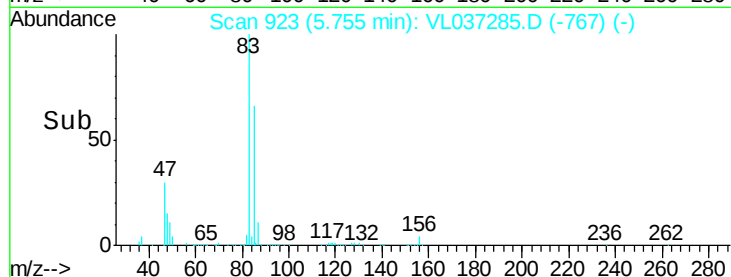
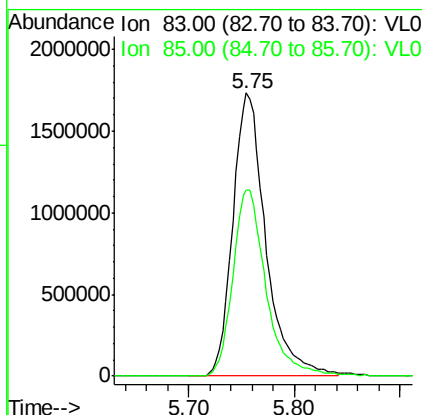
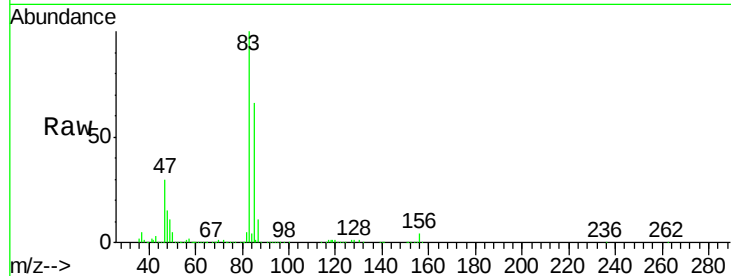
#29
Chloroform
Concen: 14.254 ppbv
RT: 5.75 min Scan# 923
Delta R.T. 0.00 min
Lab File: VL037285.D
Acq: 27 Jul 2021 6:27

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tot Ion: 83 Resp: 3752423
Ion Ratio Lower Upper
83 100
85 65.4 52.2 78.2

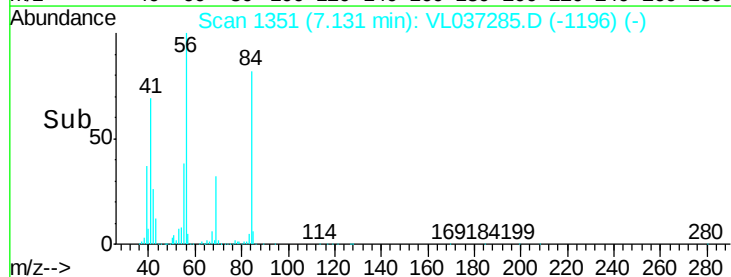
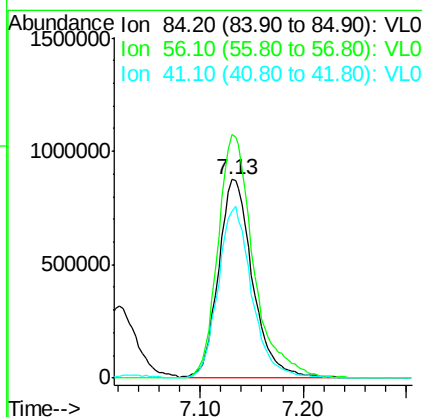
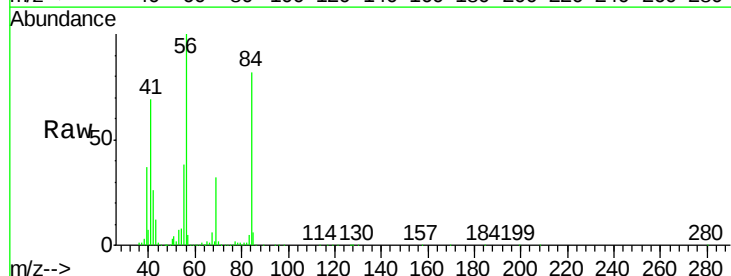
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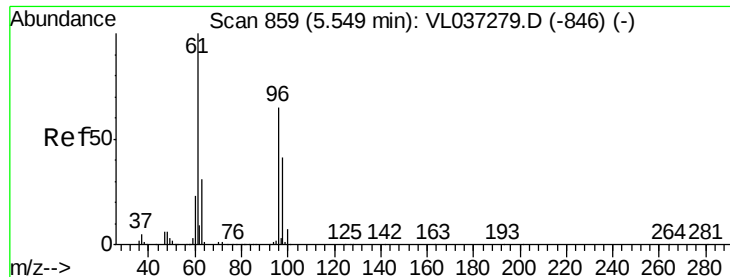
MMDadoda
8/2/2021 9:03:50 AM



#30
Cyclohexane
Concen: 14.208 ppbv
RT: 7.13 min Scan# 1351
Delta R.T. -0.00 min
Lab File: VL037285.D
Acq: 27 Jul 2021 6:27

Tgt Ion: 84 Resp: 2003294
Ion Ratio Lower Upper
84 100
56 129.2 106.3 159.5
41 85.8 68.6 103.0





#31

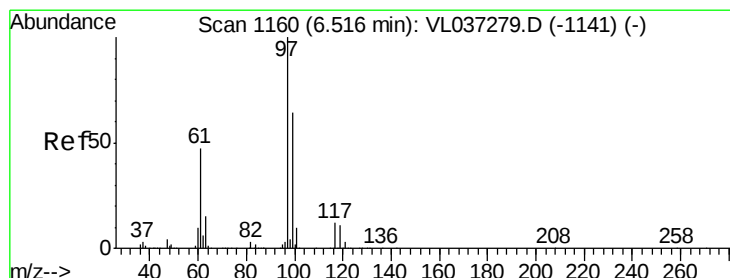
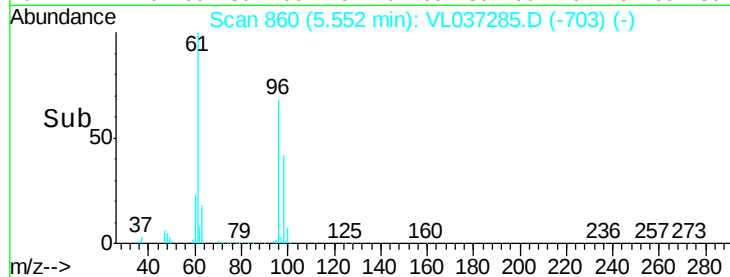
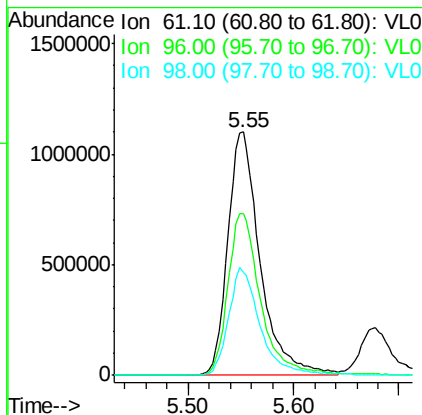
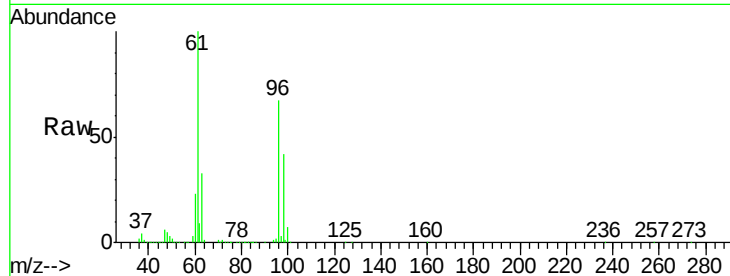
cis-1,2-Dichloroethene
Concen: 14.956 ppbv
RT: 5.55 min Scan# 860
Delta R.T. 0.00 min
Lab File: VL037285.D
Acq: 27 Jul 2021 6:27

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tot Ion	Ratio	Lower	Upper
61	100		
96	66.5	52.1	78.1
98	42.0	32.6	49.0

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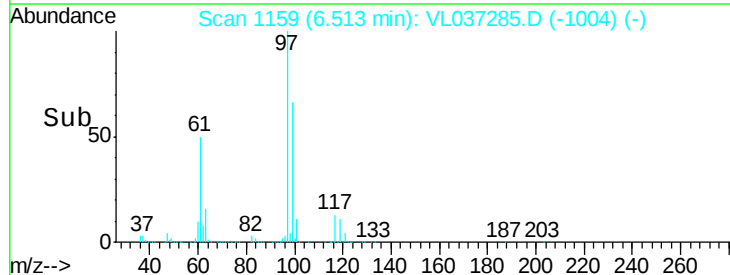
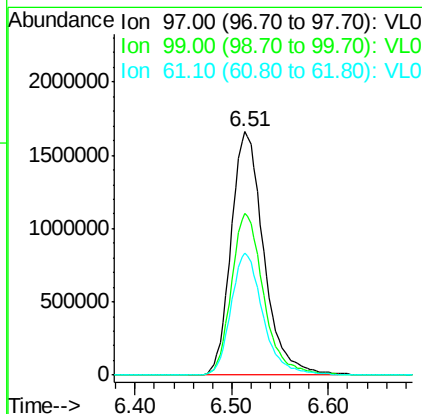
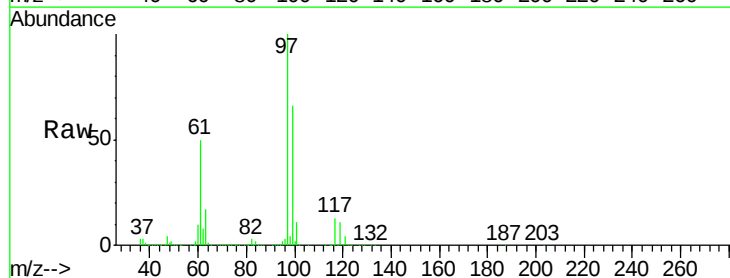
MMDadoda
8/2/2021 9:03:50 AM

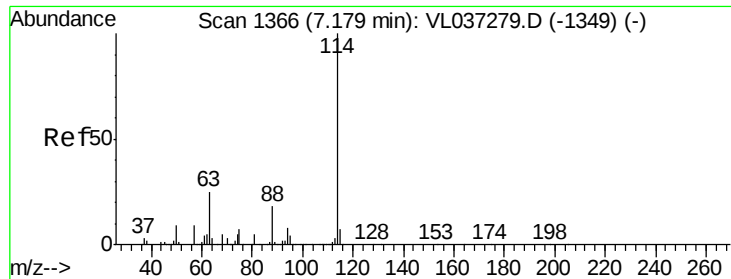


#32

1,1,1-Trichloroethane
Concen: 13.928 ppbv
RT: 6.51 min Scan# 1159
Delta R.T. -0.00 min
Lab File: VL037285.D
Acq: 27 Jul 2021 6:27

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.6	52.2	78.2
61	49.0	39.1	58.7





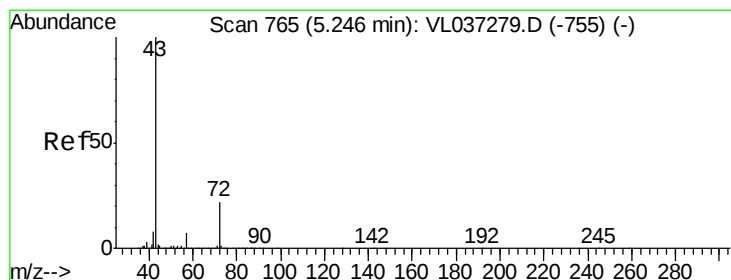
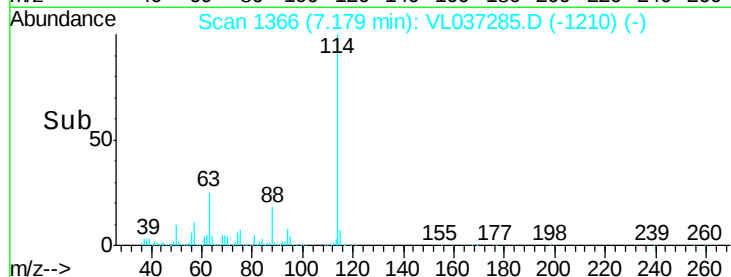
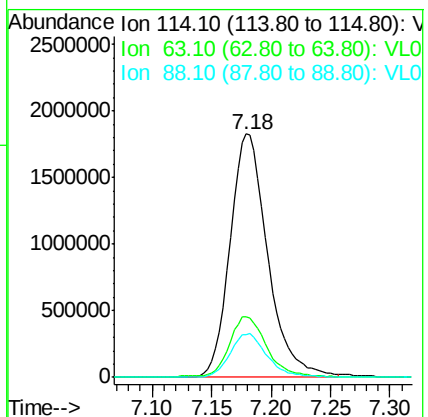
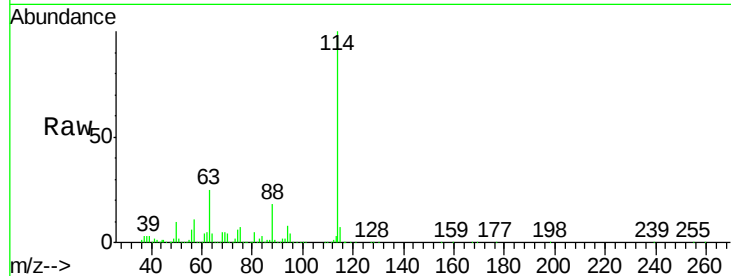
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.18 min Scan# 1366
 Delta R.T. 0.00 min
 Lab File: VL037285.D
 Acq: 27 Jul 2021 6:27

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

Tot Ion	Ratio	Lower	Upper
114	100		
63	25.3	20.2	30.2
88	17.8	14.2	21.4

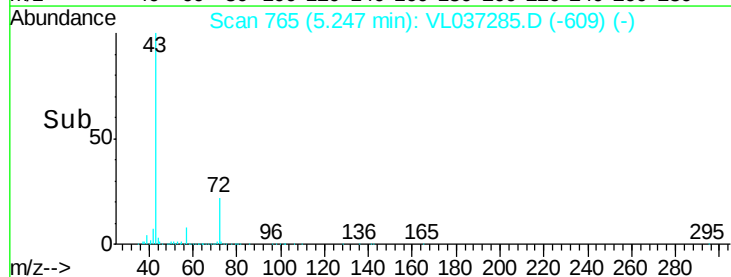
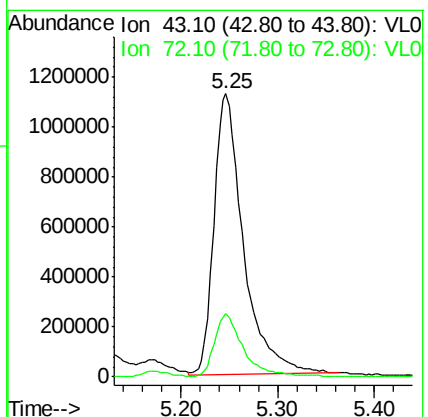
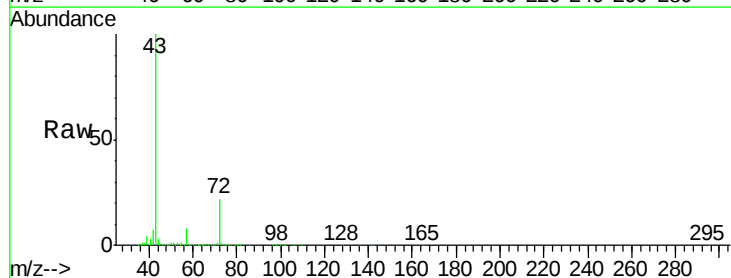
Manual Integrations
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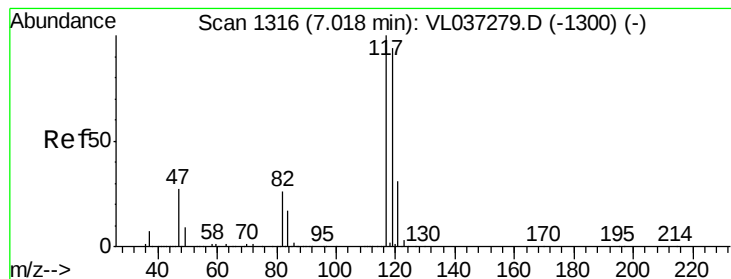
MMDadoda
 8/2/2021 9:03:50 AM



#34
 2-Butanone
 Concen: 14.961 ppbv
 RT: 5.25 min Scan# 765
 Delta R.T. 0.00 min
 Lab File: VL037285.D
 Acq: 27 Jul 2021 6:27

Tgt Ion	Ratio	Lower	Upper
43	100		
72	22.6	17.9	26.9





#35

Carbon Tetrachloride

Concen: 15.504 ppbv

RT: 7.02 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VL037285.D

Acq: 27 Jul 2021 6:27

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tot Ion:117 Resp: 4218328

Ion Ratio Lower Upper

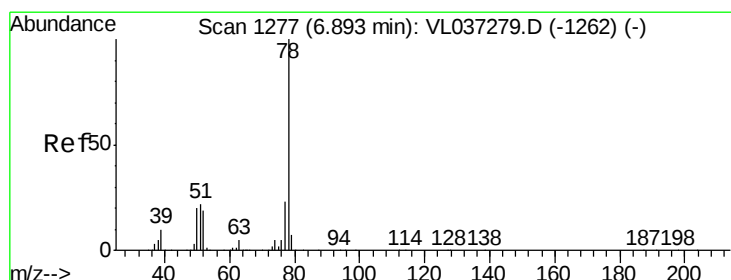
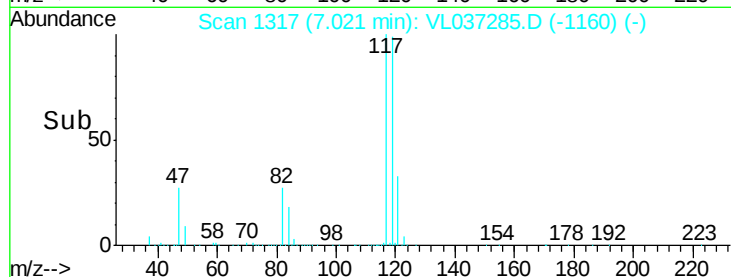
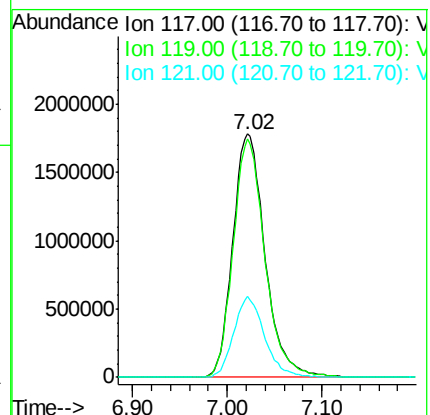
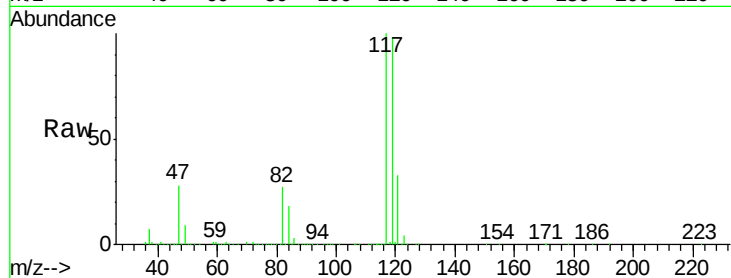
117 100

119 97.8 75.4 113.0

121 33.1 24.8 37.2

Manual Integrations
APPROVED

MMDadoda
8/2/2021 9:03:50 AM



#36

Benzene

Concen: 14.319 ppbv

RT: 6.90 min Scan# 1278

Delta R.T. 0.00 min

Lab File: VL037285.D

Acq: 27 Jul 2021 6:27

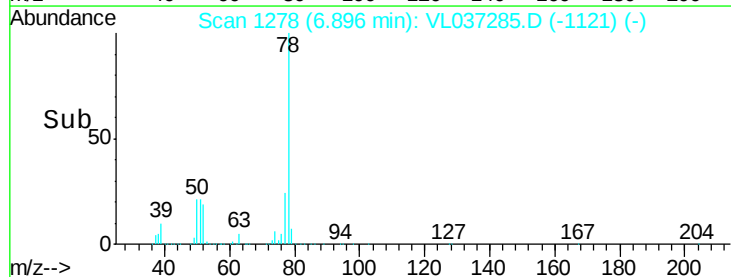
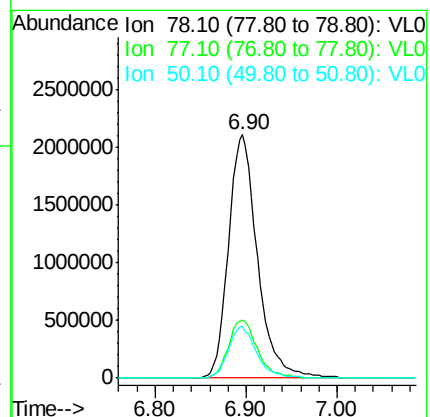
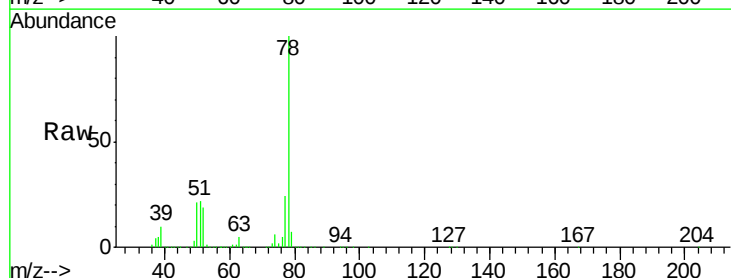
Tgt Ion: 78 Resp: 4666085

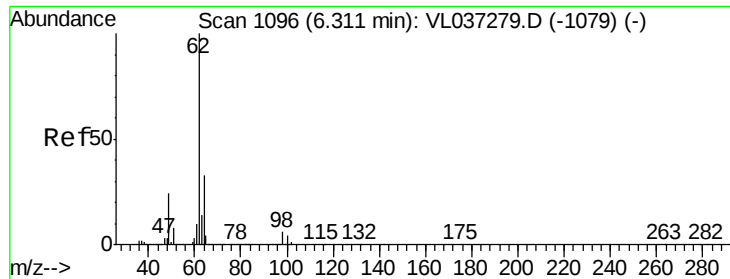
Ion Ratio Lower Upper

78 100

77 24.0 18.5 27.7

50 21.1 16.2 24.4





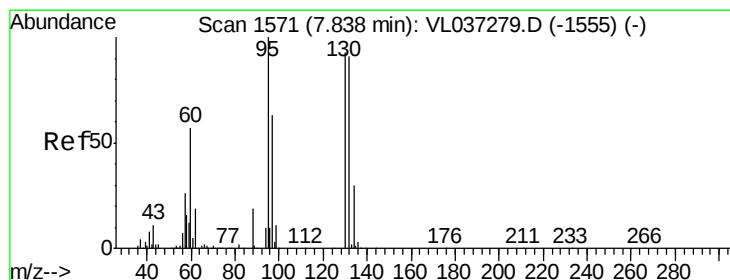
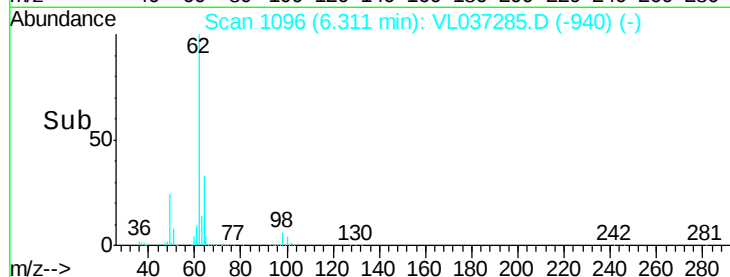
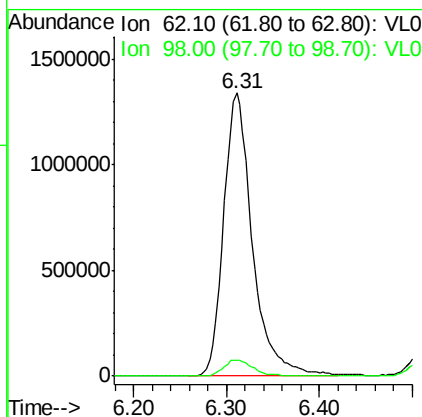
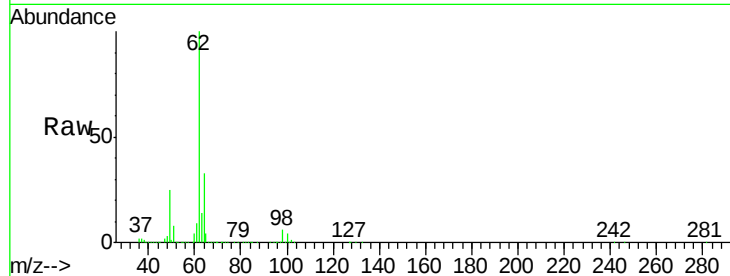
#37
 1,2-Dichloroethane
 Concen: 15.079 ppbv
 RT: 6.31 min Scan# 1096
 Delta R.T. 0.00 min
 Lab File: VL037285.D
 Acq: 27 Jul 2021 6:27

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

Tot Ion	Ratio	Lower	Upper
62	100		
98	6.0	4.9	7.3

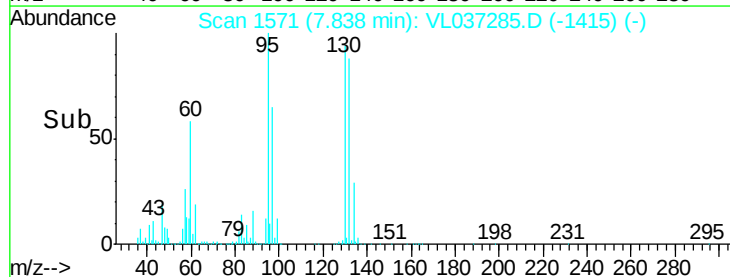
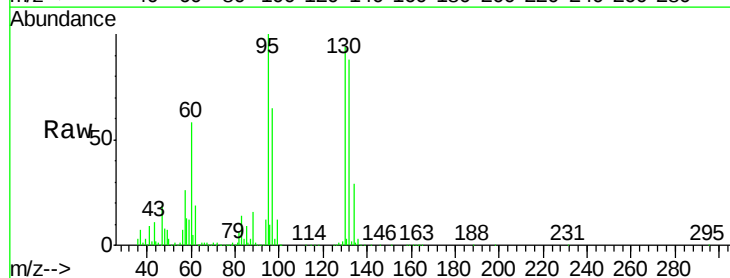
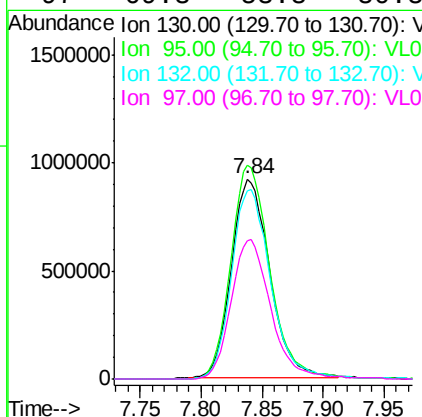
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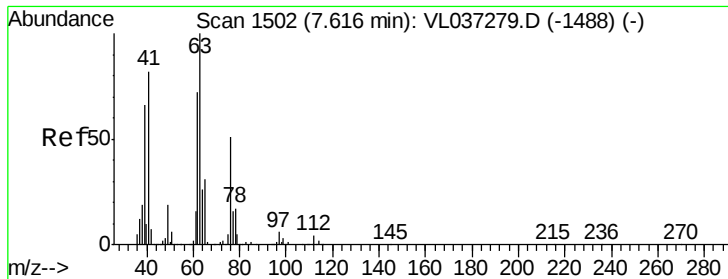
MMDadoda
 8/2/2021 9:03:50 AM



#38
 Trichloroethene
 Concen: 13.035 ppbv
 RT: 7.84 min Scan# 1571
 Delta R.T. 0.00 min
 Lab File: VL037285.D
 Acq: 27 Jul 2021 6:27

Tgt Ion	Ratio	Lower	Upper
130	100		
95	107.2	86.2	129.2
132	94.3	78.0	117.0
97	69.3	53.8	80.8





#39

1,2-Dichloropropane

Concen: 14.900 ppbv

RT: 7.62 min Scan# 1503

Delta R.T. 0.00 min

Lab File: VL037285.D

Acq: 27 Jul 2021 6:27

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tot Ion: 63 Resp: 1804052

Ion Ratio Lower Upper

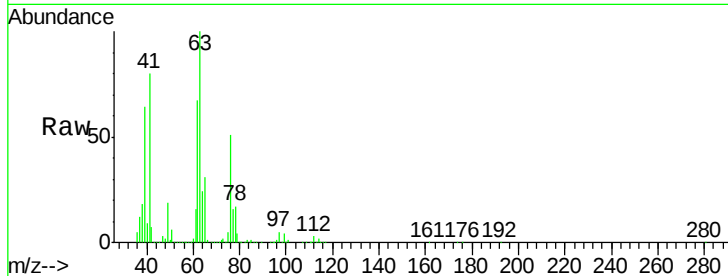
63 100

41 79.3 65.6 98.4

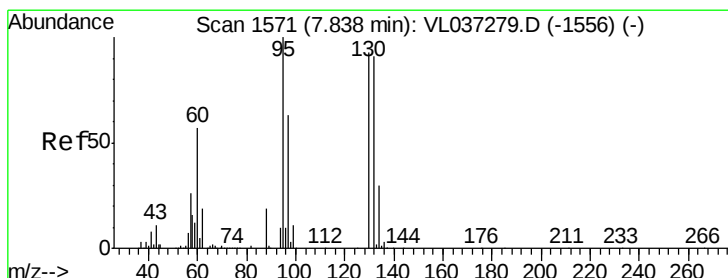
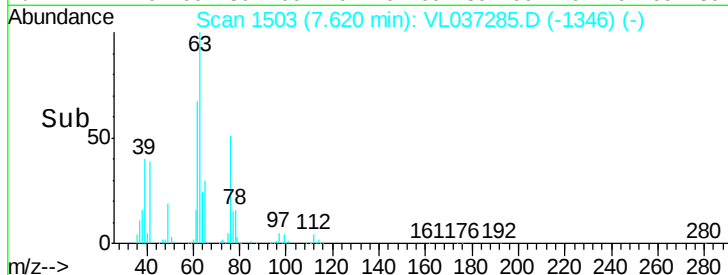
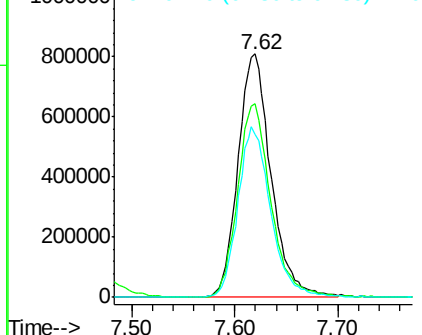
62 66.8 57.9 86.9

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Abundance Ion 63.10 (62.80 to 63.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 62.10 (61.80 to 62.80): VL0



#40

1,4-Dioxane

Concen: 12.225 ppbv

RT: 7.83 min Scan# 1570

Delta R.T. -0.00 min

Lab File: VL037285.D

Acq: 27 Jul 2021 6:27

Tgt Ion: 88 Resp: 400609

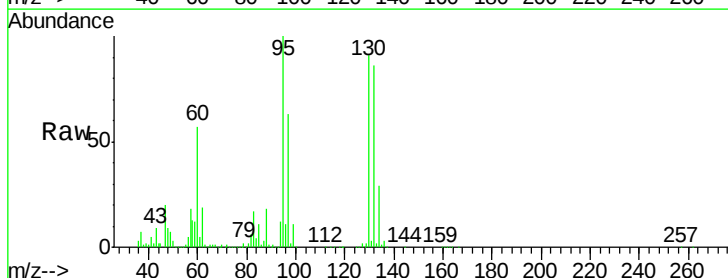
Ion Ratio Lower Upper

88 100

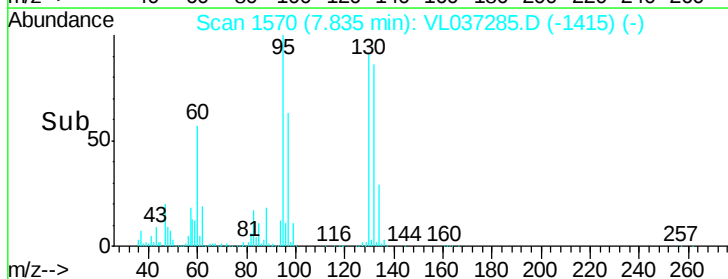
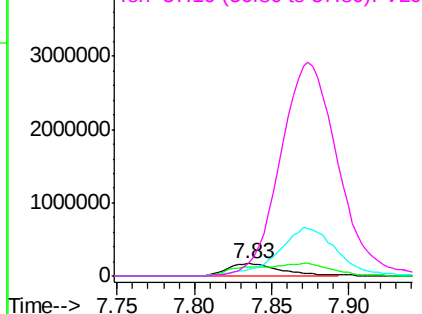
58 0.0 0.0 0.0

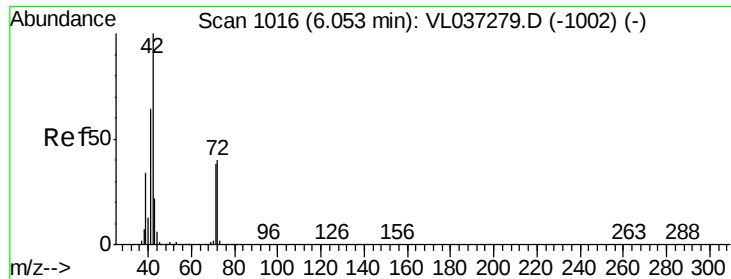
43 0.0 0.0 0.0

57 0.0 0.0 0.0



Abundance Ion 88.10 (87.80 to 88.80): VL0
Ion 58.10 (57.80 to 58.80): VL0
Ion 43.10 (42.80 to 43.80): VL0
Ion 57.10 (56.80 to 57.80): VL0





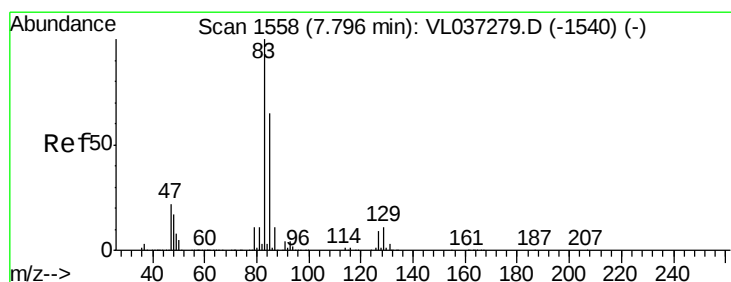
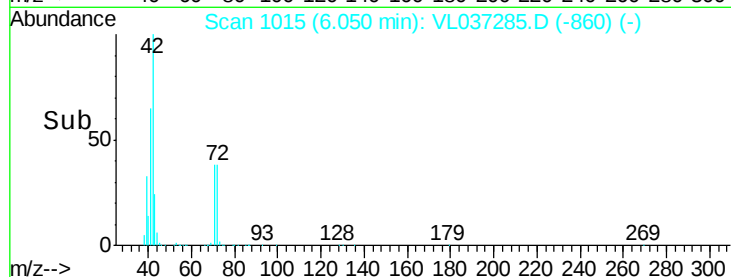
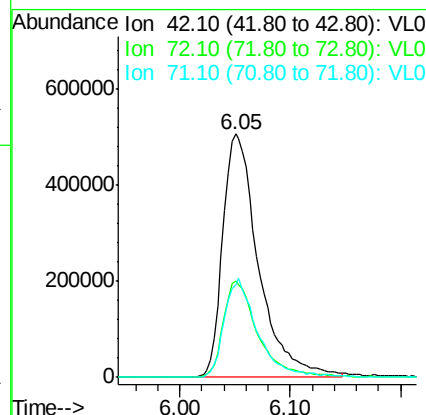
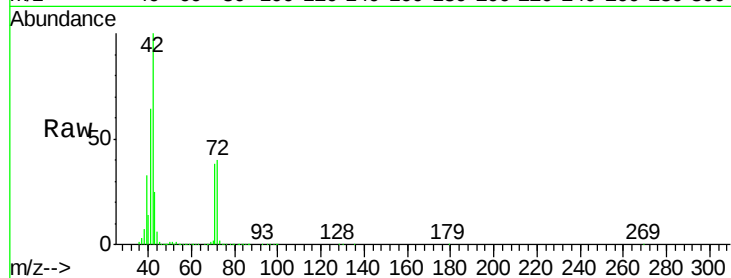
#41
Tetrahydrofuran
Concen: 15.561 ppbv
RT: 6.05 min Scan# 1015
Delta R.T. -0.00 min
Lab File: VL037285.D
Acq: 27 Jul 2021 6:27

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tot Ion	Ratio	Lower	Upper
42	100		
72	38.8	31.4	47.0
71	38.4	31.0	46.6

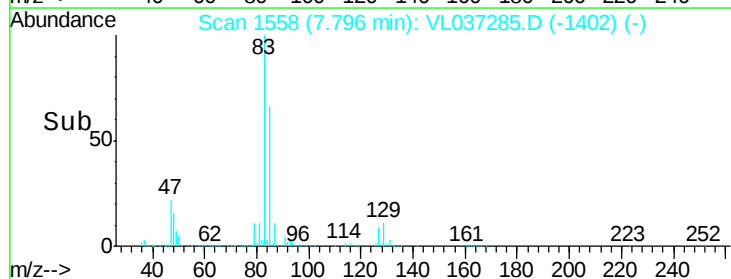
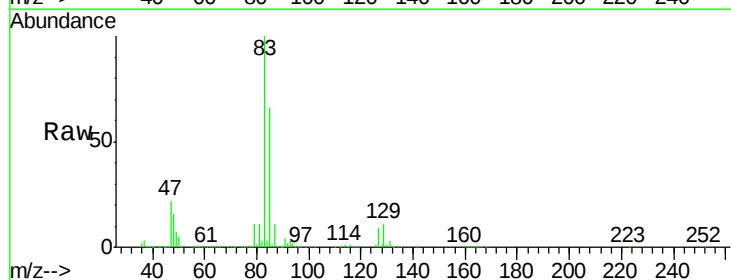
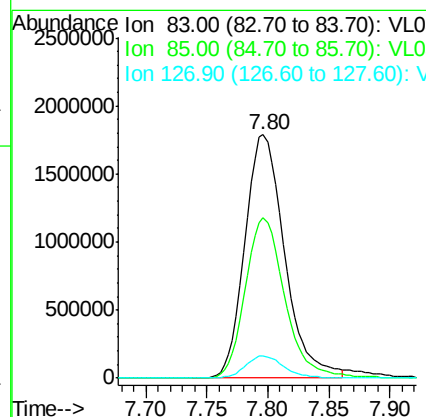
Manual Integrations
APPROVED

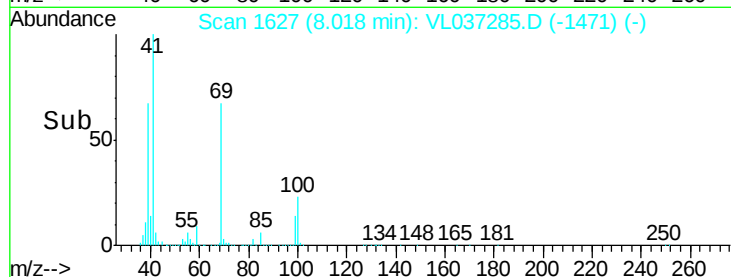
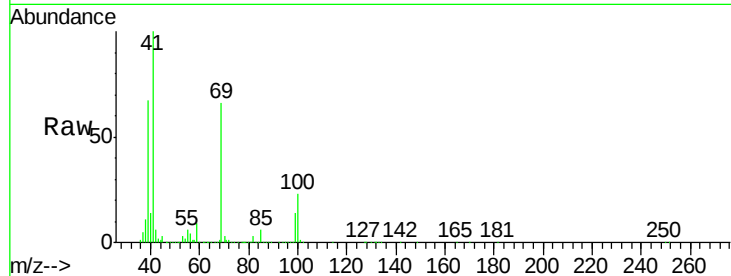
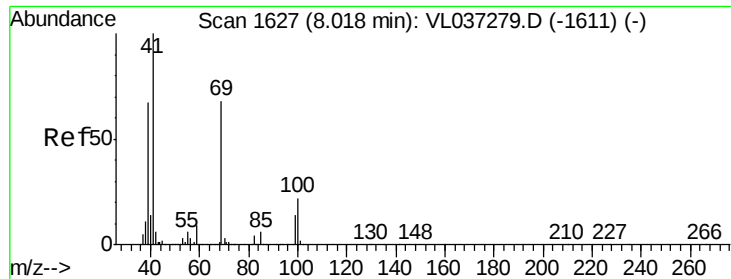
MMDadoda
8/2/2021 9:03:50 AM



#42
Bromodichloromethane
Concen: 15.377 ppbv
RT: 7.80 min Scan# 1558
Delta R.T. 0.00 min
Lab File: VL037285.D
Acq: 27 Jul 2021 6:27

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.9	51.7	77.5
127	9.2	7.4	11.0





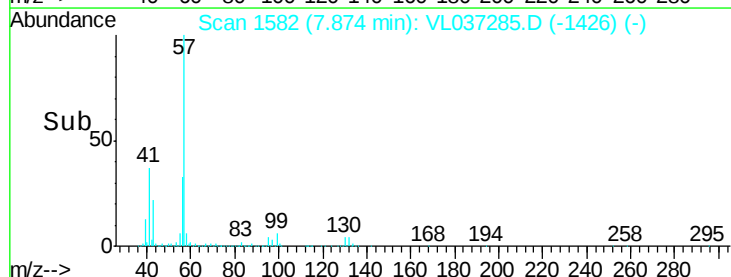
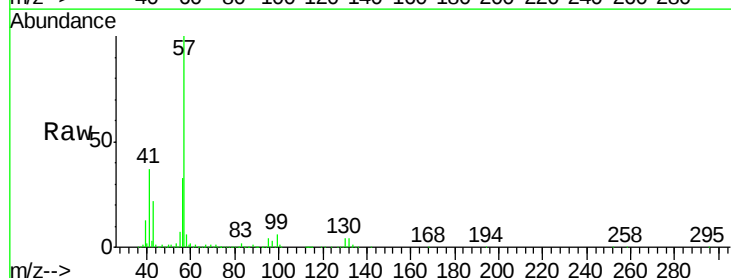
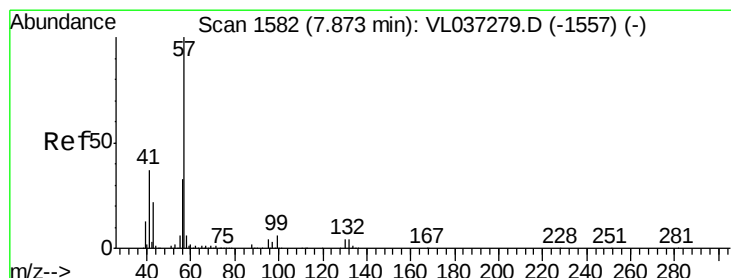
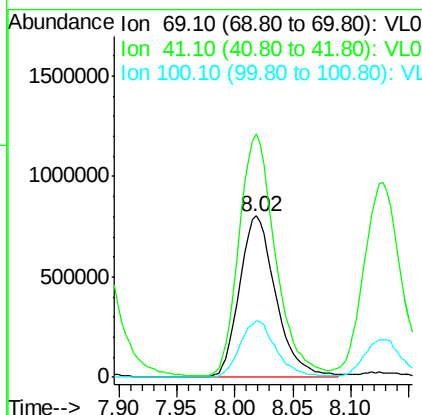
#43
Methvl Methacrilate
Concen: 15.573 ppbv
RT: 8.02 min Scan# 1627
Delta R.T. 0.00 min
Lab File: VL037285.D
Acq: 27 Jul 2021 6:27

Tot Ion: 69 Resp: 1754141
Ion Ratio Lower Upper
69 100
41 150.5 121.5 182.3
100 35.2 27.4 41.2

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

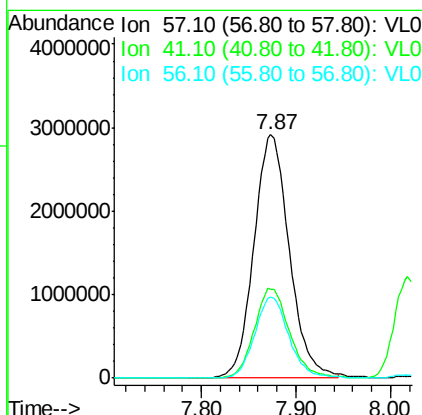
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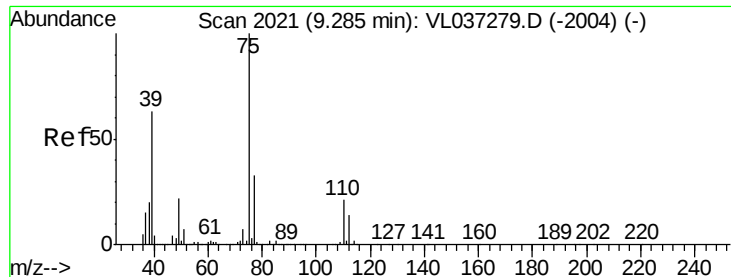
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#44
2,2,4-Trimethylpentane
Concen: 13.731 ppbv
RT: 7.87 min Scan# 1582
Delta R.T. 0.00 min
Lab File: VL037285.D
Acq: 27 Jul 2021 6:27

Tgt Ion: 57 Resp: 7557731
Ion Ratio Lower Upper
57 100
41 36.7 28.9 43.3
56 32.2 25.1 37.7





#45

t-1,3-Dichloropropene

Concen: 17.549 ppbv

RT: 9.28 min Scan# 2020

Delta R.T. -0.00 min

Lab File: VL037285.D

Acq: 27 Jul 2021 6:27

Tot Ion: 75 Resp: 1704827

Ion Ratio Lower Upper

75 100

77 31.4 26.2 39.4

Instrument :

MSVOA_L

ClientSampleId :

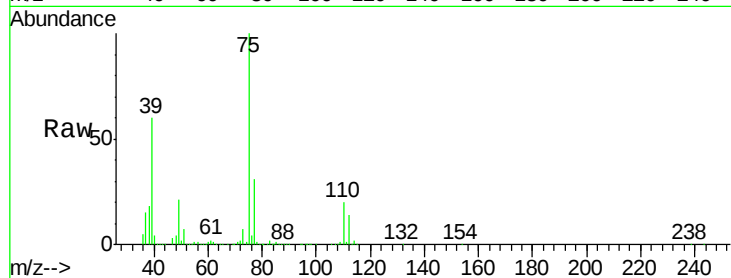
VSTDIC015

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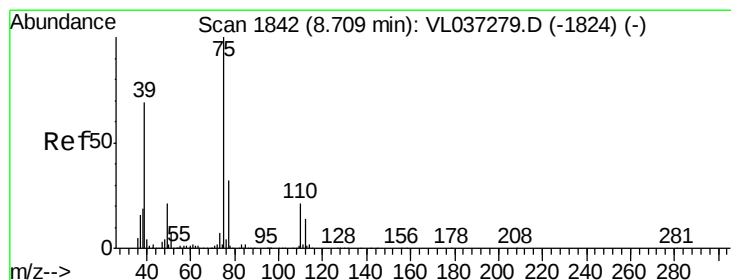
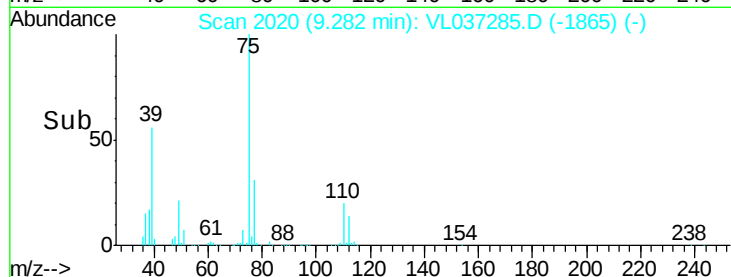
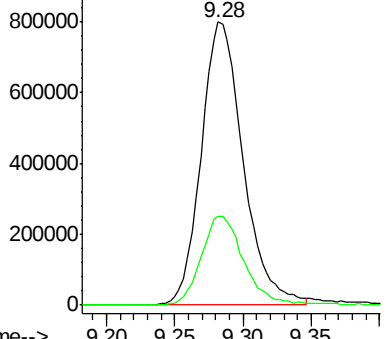
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Abundance Ion 75.10 (74.80 to 75.80): VL0

Ion 77.10 (76.80 to 77.80): VL0



#46

cis-1,3-Dichloropropene

Concen: 16.168 ppbv

RT: 8.71 min Scan# 1841

Delta R.T. -0.00 min

Lab File: VL037285.D

Acq: 27 Jul 2021 6:27

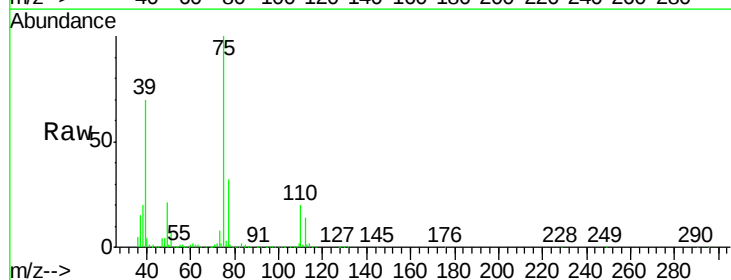
Tgt Ion: 75 Resp: 2156722

Ion Ratio Lower Upper

75 100

39 69.8 55.3 82.9

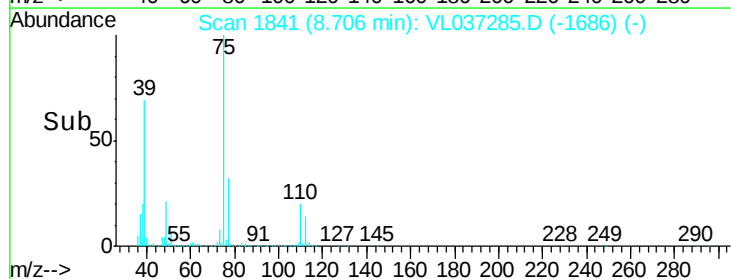
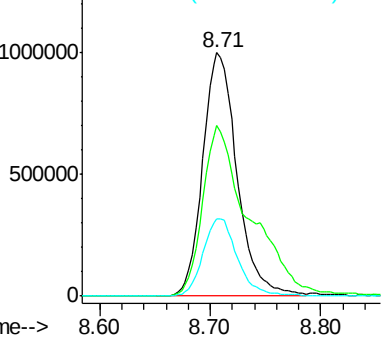
77 31.9 25.7 38.5

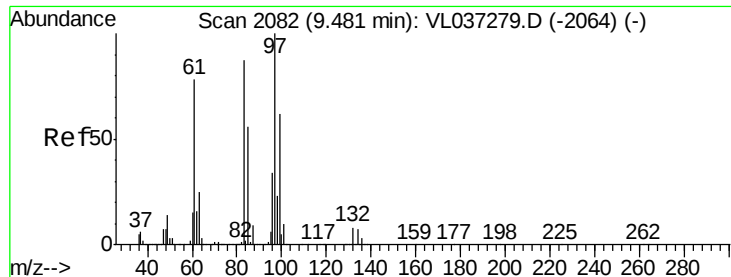


Abundance Ion 75.00 (74.70 to 75.70): VL0

Ion 39.00 (38.70 to 39.70): VL0

Ion 77.00 (76.70 to 77.70): VL0





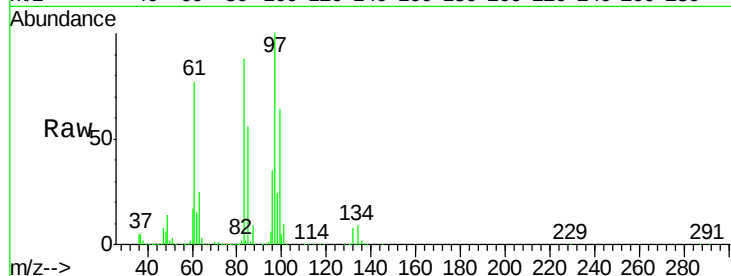
#47
 1,1,2-Trichloroethane
 Concen: 14.631 ppbv
 RT: 9.48 min Scan# 2082
 Delta R.T. 0.00 min
 Lab File: VL037285.D
 Acq: 27 Jul 2021 6:27

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

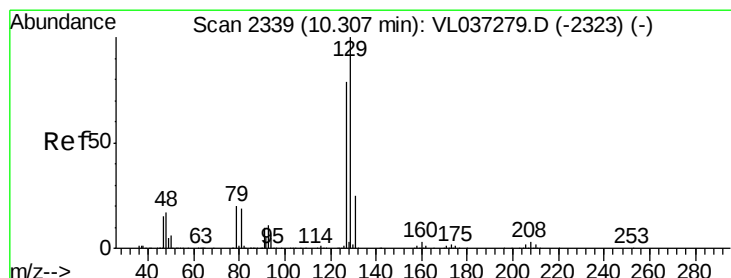
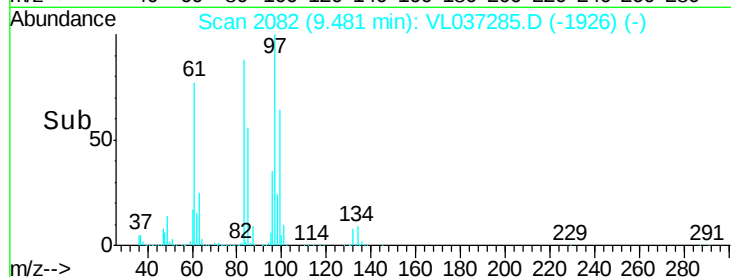
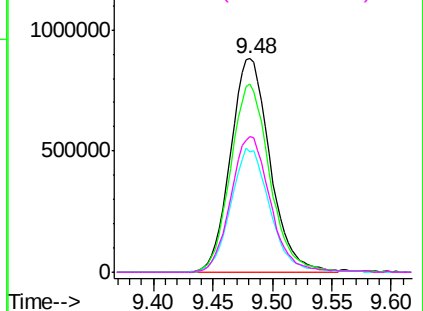
Tot Ion	Ratio	Lower	Upper
97	100		
83	87.8	69.8	104.8
85	56.4	44.9	67.3
99	63.8	49.8	74.6

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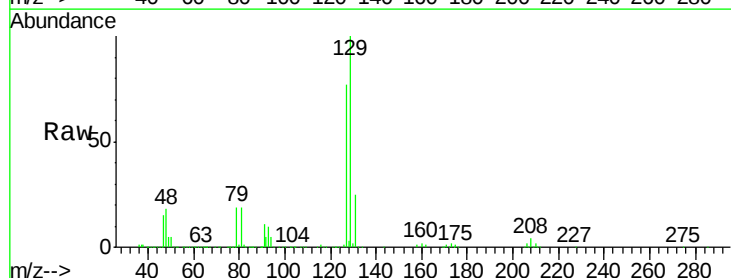


Abundance Ion 97.00 (96.70 to 97.70): VL0
 Ion 83.00 (82.70 to 83.70): VL0
 Ion 85.00 (84.70 to 85.70): VL0
 Ion 99.00 (98.70 to 99.70): VL0

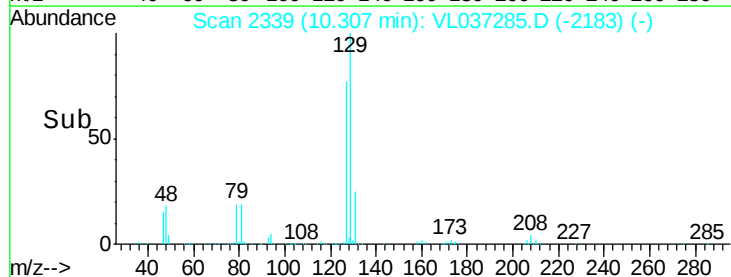
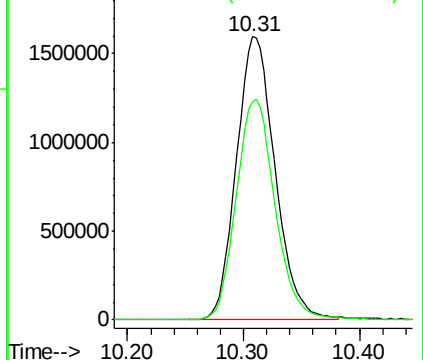


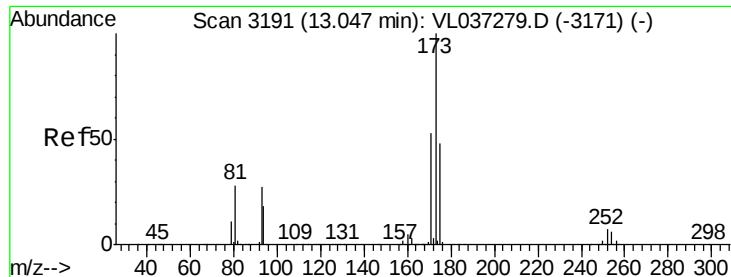
#48
 Dibromochloromethane
 Concen: 16.800 ppbv
 RT: 10.31 min Scan# 2339
 Delta R.T. 0.00 min
 Lab File: VL037285.D
 Acq: 27 Jul 2021 6:27

Tgt Ion	Ratio	Lower	Upper
129	100		
127	78.9	39.3	117.8



Abundance Ion 129.00 (128.70 to 129.70): V
 Ion 127.00 (126.70 to 127.70): V





#49

Bromoform

Concen: 18.518 ppbv

RT: 13.05 min Scan# 3191

Delta R.T. 0.00 min

Lab File: VL037285.D

Acq: 27 Jul 2021 6:27

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tot Ion:173 Resp: 3078268

Ion Ratio Lower Upper

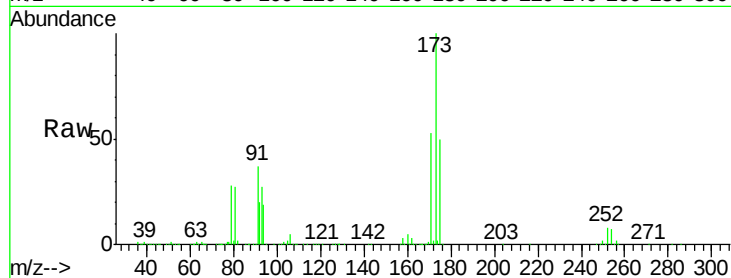
173 100

175 50.4 39.7 59.5

171 53.9 41.9 62.9

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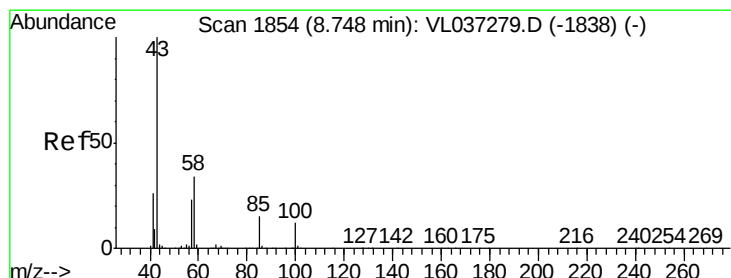
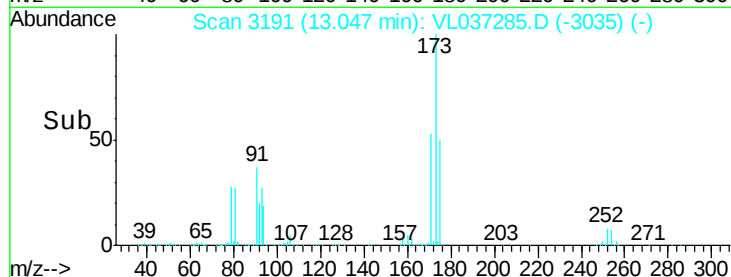
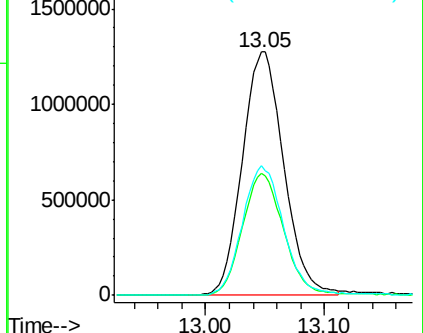
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Abundance Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 170.90 (170.60 to 171.60): V



#50

4-Methyl-2-Pentanone

Concen: 16.071 ppbv

RT: 8.74 min Scan# 1853

Delta R.T. -0.00 min

Lab File: VL037285.D

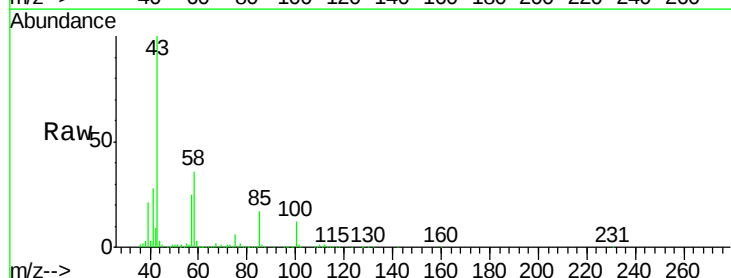
Acq: 27 Jul 2021 6:27

Tgt Ion: 43 Resp: 3509880

Ion Ratio Lower Upper

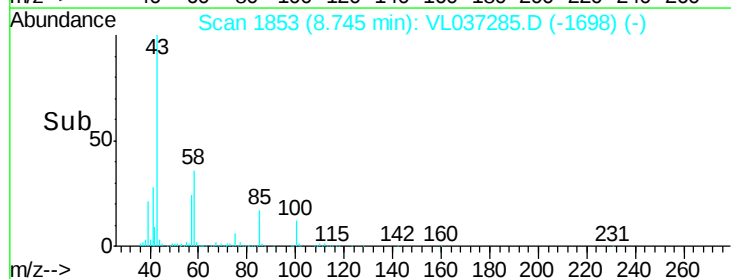
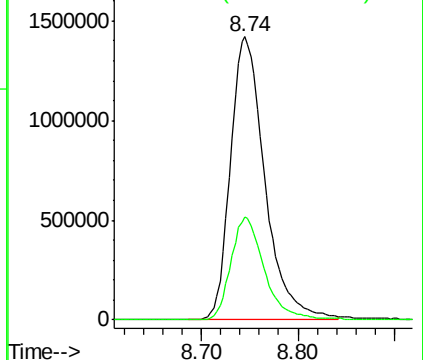
43 100

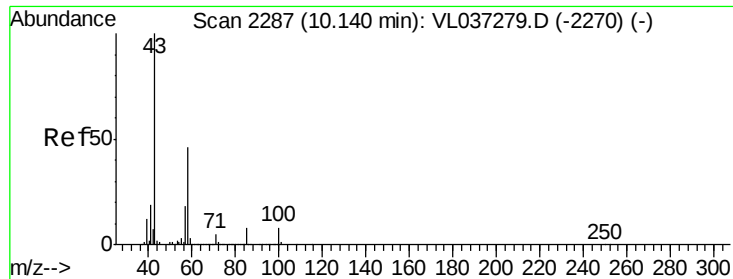
58 35.6 28.1 42.1



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0





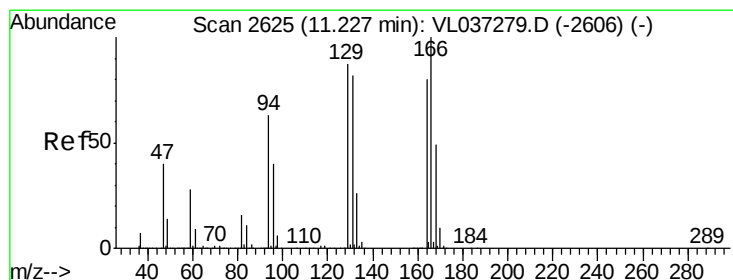
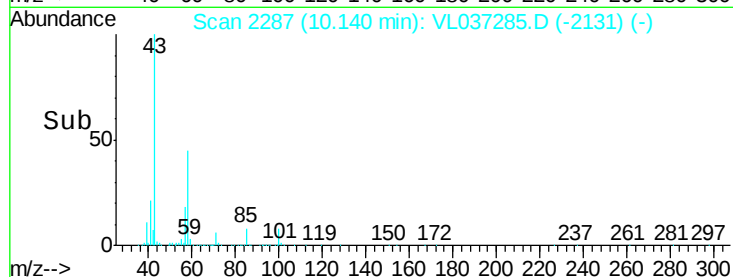
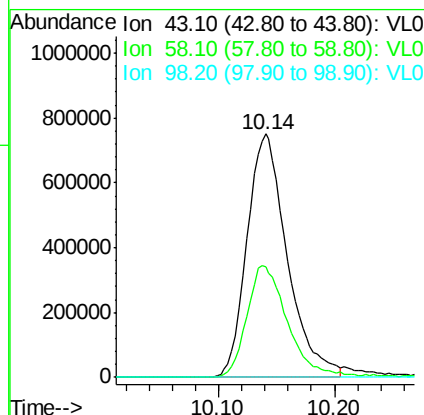
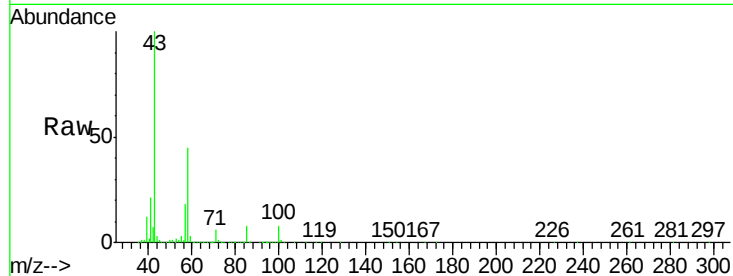
#51
2-Hexanone
Concen: 16.938 ppbv
RT: 10.14 min Scan# 2287
Delta R.T. 0.00 min
Lab File: VL037285.D
Acq: 27 Jul 2021 6:27

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tot Ion: 43 Resp: 1809631
Ion Ratio Lower Upper
43 100
58 47.5 37.1 55.7
98 0.3 0.4 0.6#

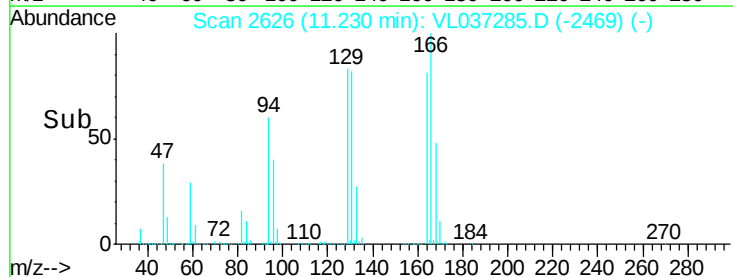
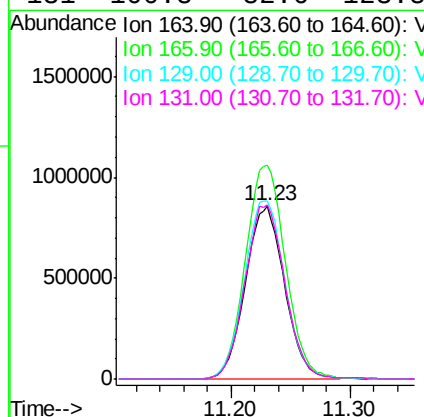
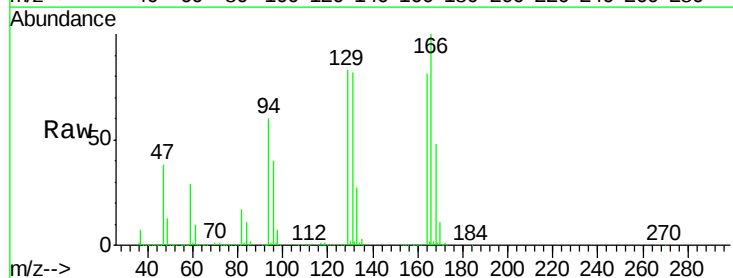
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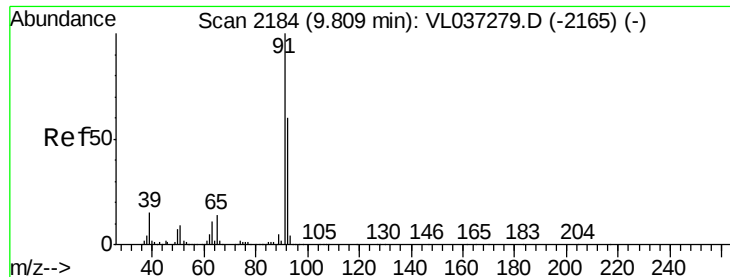
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#52
Tetrachloroethene
Concen: 12.897 ppbv
RT: 11.23 min Scan# 2626
Delta R.T. 0.00 min
Lab File: VL037285.D
Acq: 27 Jul 2021 6:27

Tgt Ion: 164 Resp: 1948241
Ion Ratio Lower Upper
164 100
166 123.6 100.6 151.0
129 102.6 87.8 131.6
131 100.8 82.6 123.8





#53

Toluene

Concen: 14.379 ppbv

RT: 9.81 min Scan# 2184

Delta R.T. 0.00 min

Lab File: VL037285.D

Acq: 27 Jul 2021 6:27

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tot Ion: 91 Resp: 5611097

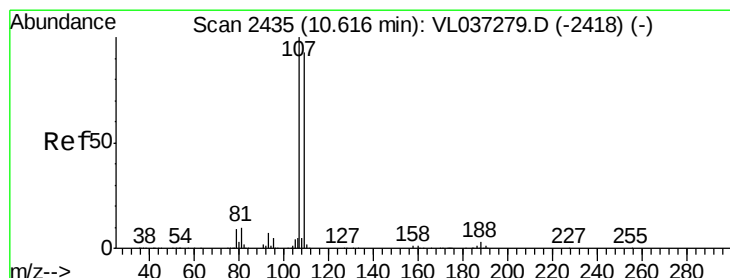
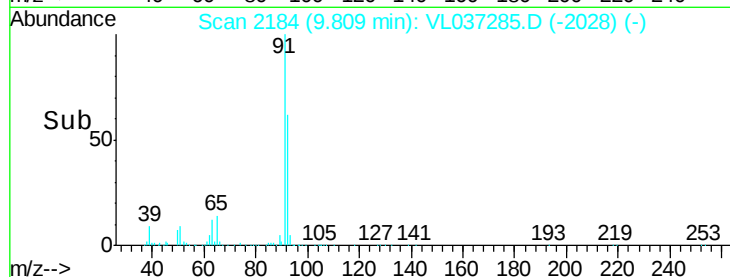
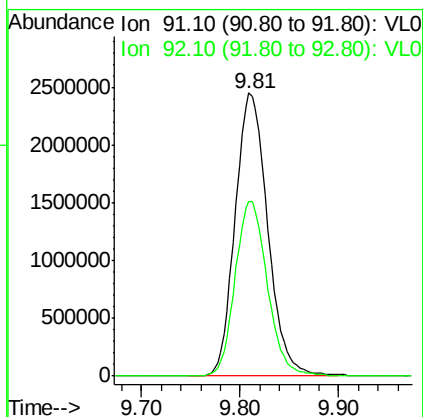
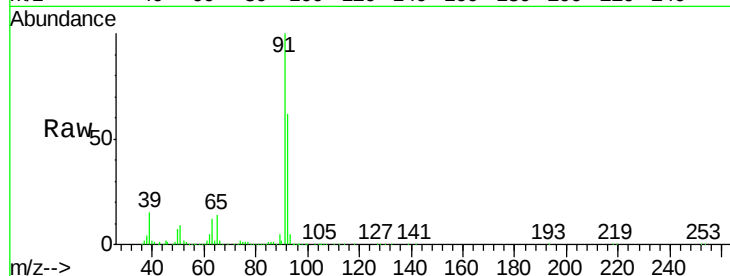
Ion Ratio Lower Upper

91 100

92 61.3 48.1 72.1

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#54

1,2-Dibromoethane

Concen: 15.197 ppbv

RT: 10.62 min Scan# 2435

Delta R.T. 0.00 min

Lab File: VL037285.D

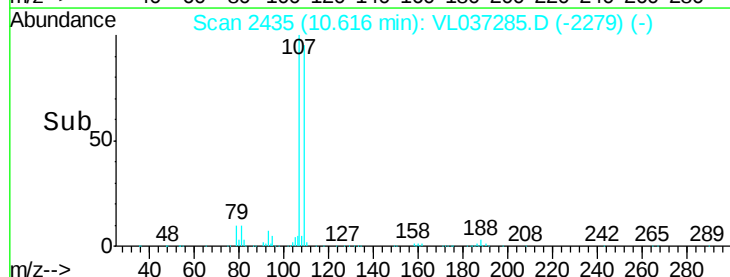
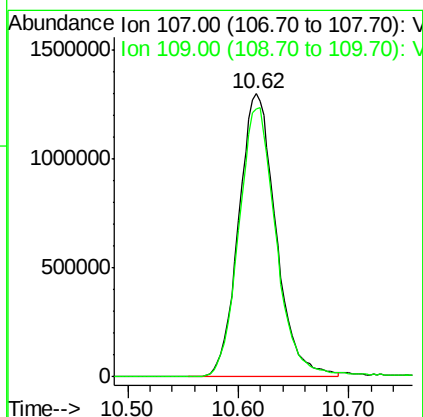
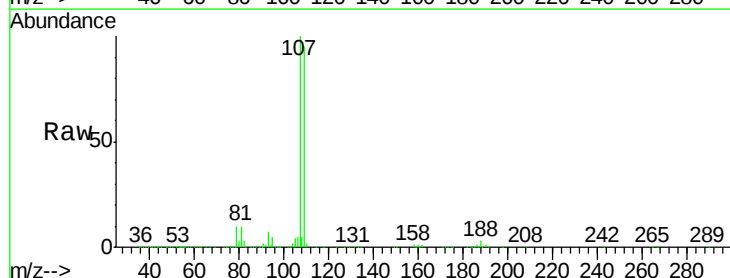
Acq: 27 Jul 2021 6:27

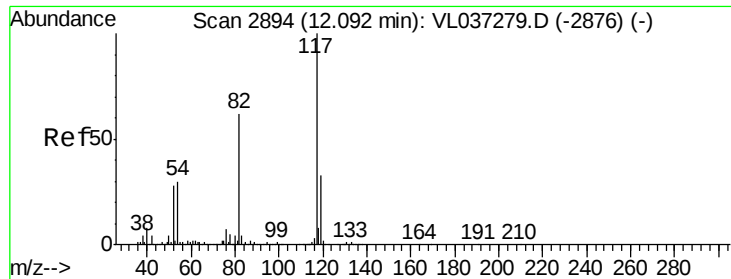
Tgt Ion: 107 Resp: 3033324

Ion Ratio Lower Upper

107 100

109 94.5 74.2 111.4





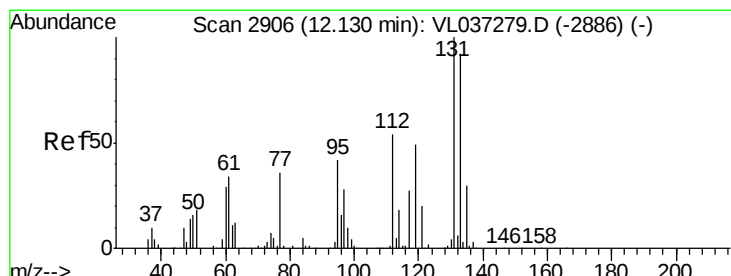
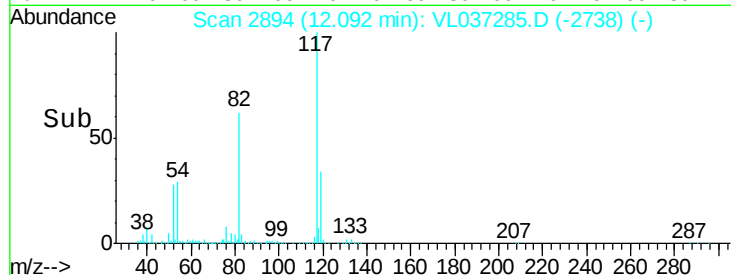
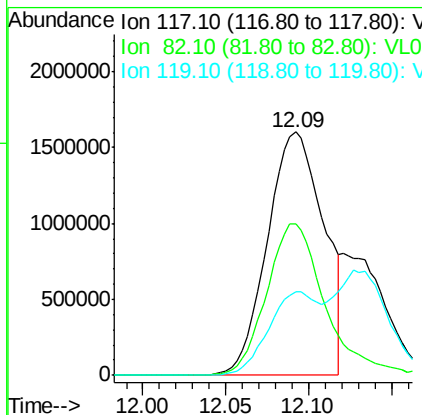
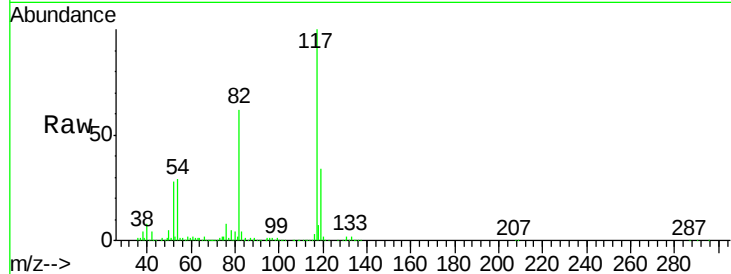
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.09 min Scan# 2894
Delta R.T. 0.00 min
Lab File: VL037285.D
Acq: 27 Jul 2021 6:27

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tot Ion:117 Resp: 3782458
Ion Ratio Lower Upper
117 100
82 65.7 52.3 78.5
119 0.0 26.5 39.7#

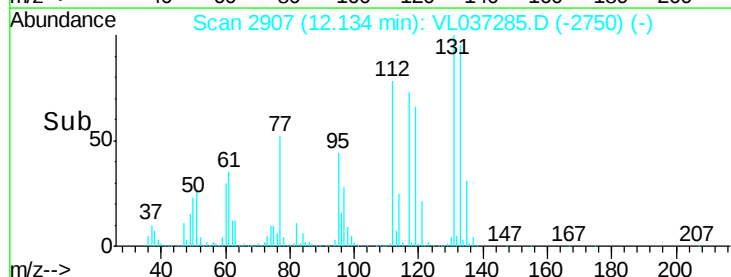
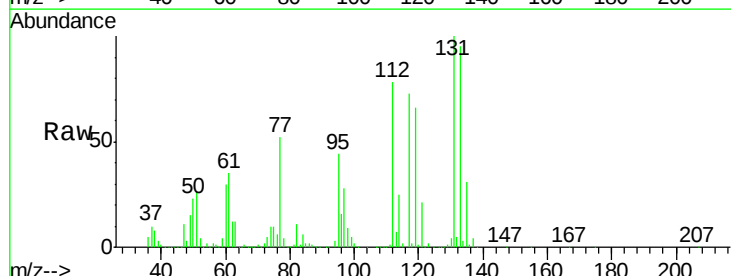
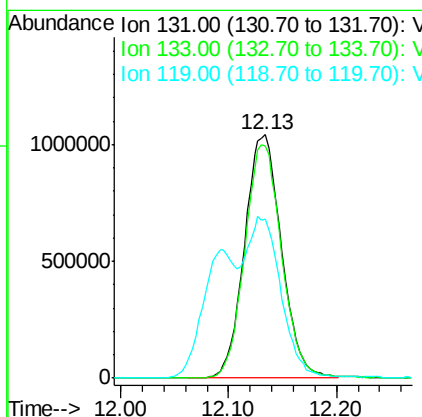
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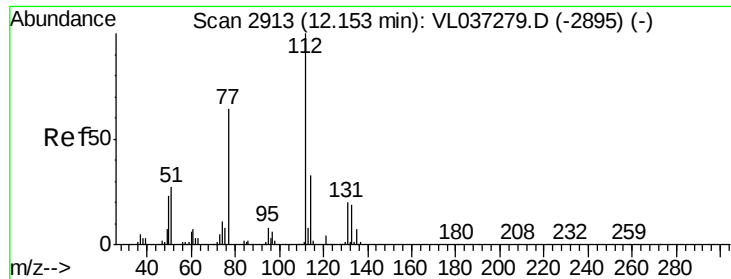
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#56
1,1,1,2-Tetrachloroethane
Concen: 14.741 ppbv
RT: 12.13 min Scan# 2907
Delta R.T. 0.00 min
Lab File: VL037285.D
Acq: 27 Jul 2021 6:27

Tgt Ion:131 Resp: 2474827
Ion Ratio Lower Upper
131 100
133 96.8 76.4 114.6
119 112.6 106.1 159.1





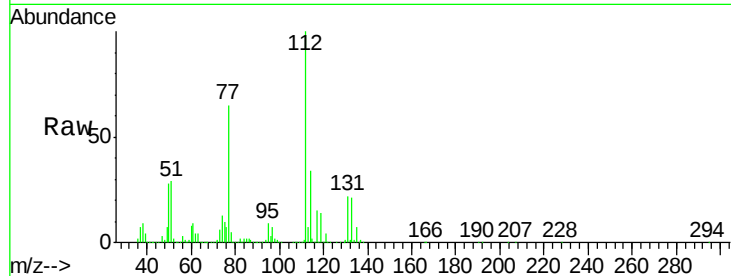
#57
Chlorobenzene
Concen: 14.045 ppbv
RT: 12.15 min Scan# 2913
Delta R.T. 0.00 min
Lab File: VL037285.D
Acq: 27 Jul 2021 6:27

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

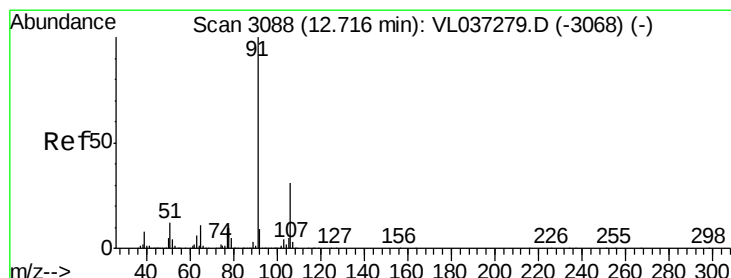
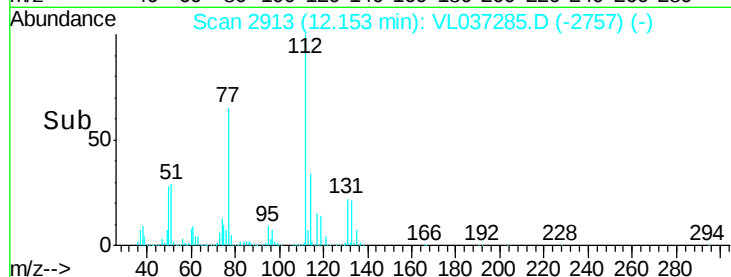
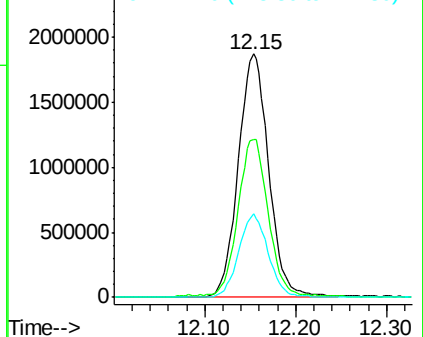
Tot Ion: 112 Resp: 4352499
Ion Ratio Lower Upper
112 100
77 64.3 51.7 77.5
114 34.1 29.3 35.9

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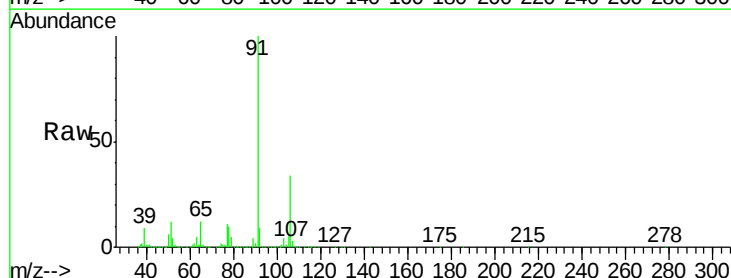


Abundance Ion 112.10 (111.80 to 112.80): V
Ion 77.10 (76.80 to 77.80): VL0
Ion 114.10 (113.80 to 114.80): V

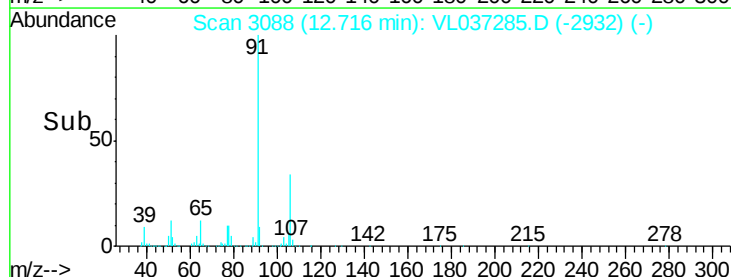
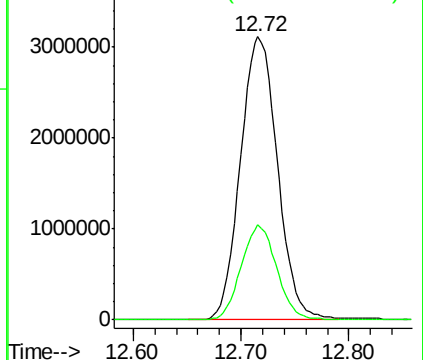


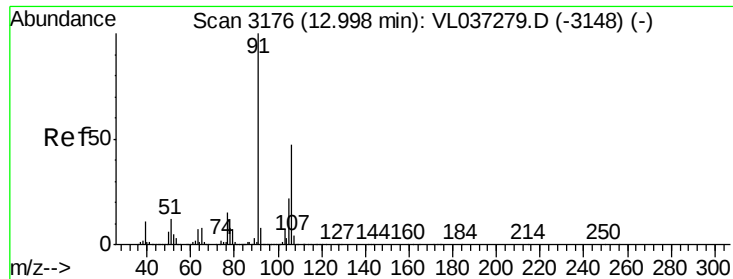
#58
Ethyl Benzene
Concen: 14.205 ppbv
RT: 12.72 min Scan# 3088
Delta R.T. 0.00 min
Lab File: VL037285.D
Acq: 27 Jul 2021 6:27

Tgt Ion: 91 Resp: 7463914
Ion Ratio Lower Upper
91 100
106 33.8 24.5 36.7



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





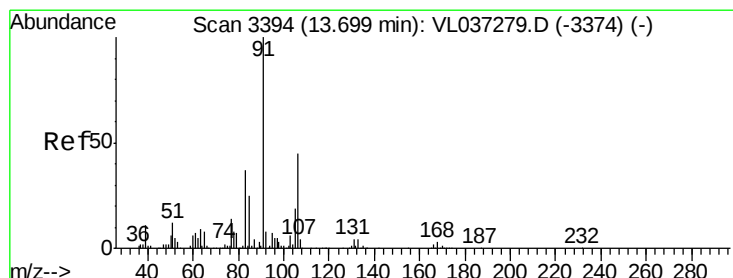
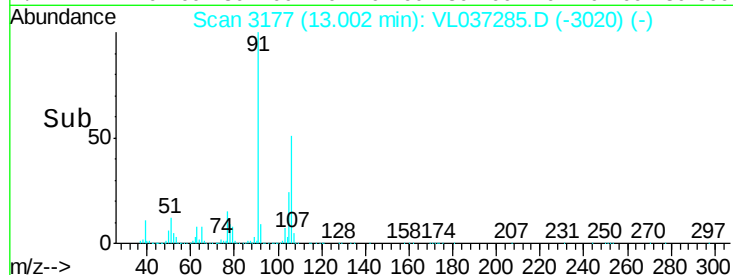
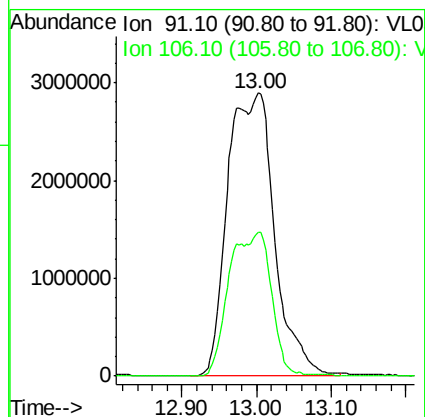
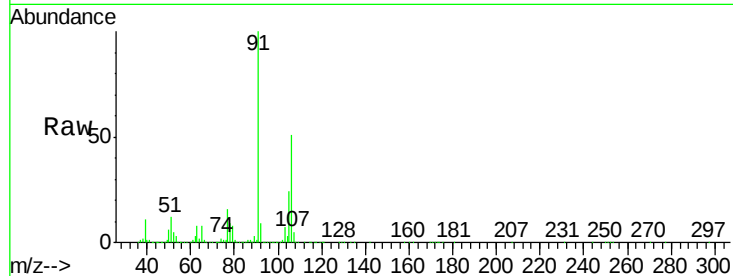
#59
m/p-Xylene
Concen: 28.273 ppbv m
RT: 13.00 min Scan# 3177
Delta R.T. 0.00 min
Lab File: VL037285.D
Acq: 27 Jul 2021 6:27

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tot Ion: 91 Resp:12634889
Ion Ratio Lower Upper
91 100
106 46.3 36.2 54.2

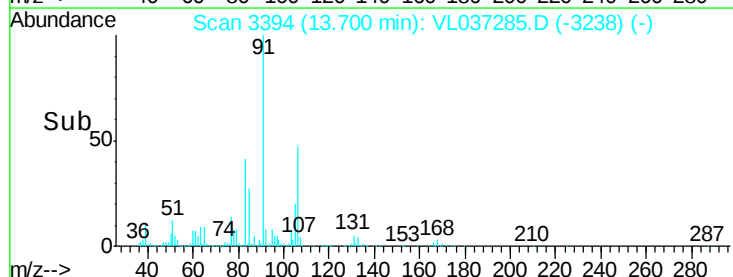
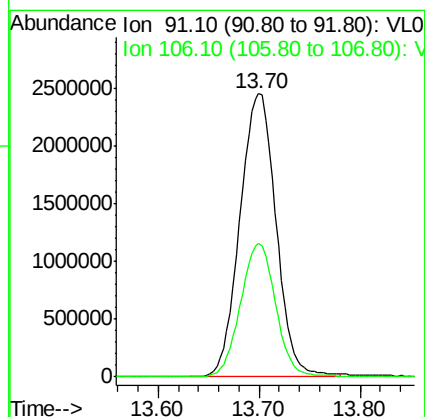
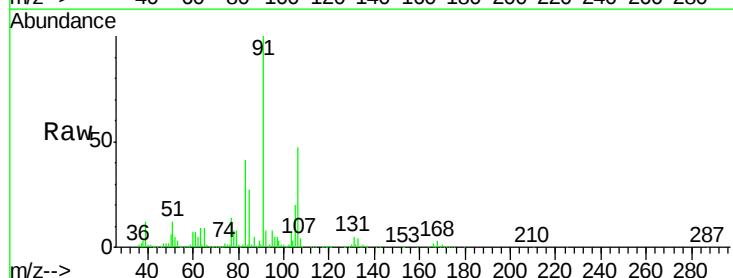
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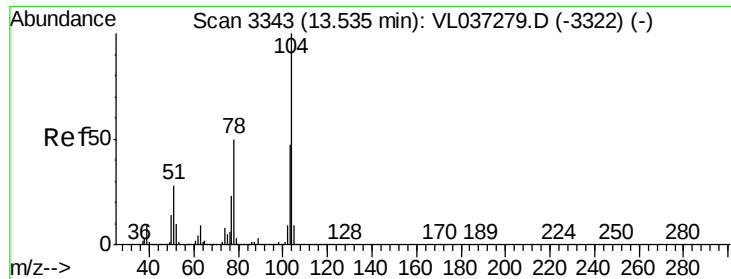
MMDadoda
8/2/2021 9:03:50 AM



#60
o-Xylene
Concen: 14.235 ppbv
RT: 13.70 min Scan# 3394
Delta R.T. 0.00 min
Lab File: VL037285.D
Acq: 27 Jul 2021 6:27

Tgt Ion: 91 Resp: 6071691
Ion Ratio Lower Upper
91 100
106 46.1 22.6 67.8





#61

Stvrene

Concen: 15.966 ppbv

RT: 13.54 min Scan# 3343

Delta R.T. 0.00 min

Lab File: VL037285.D

Acq: 27 Jul 2021 6:27

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tot Ion:104 Resp: 3482173

Ion Ratio Lower Upper

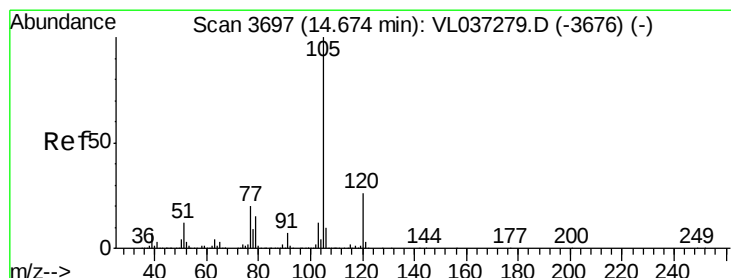
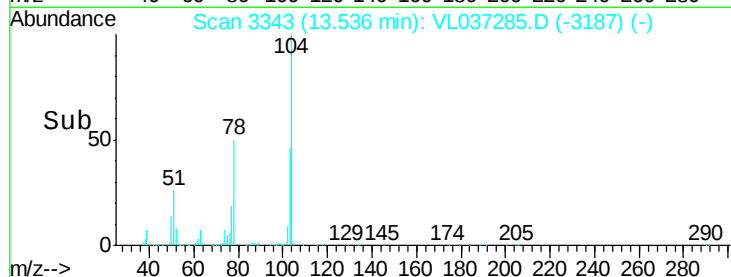
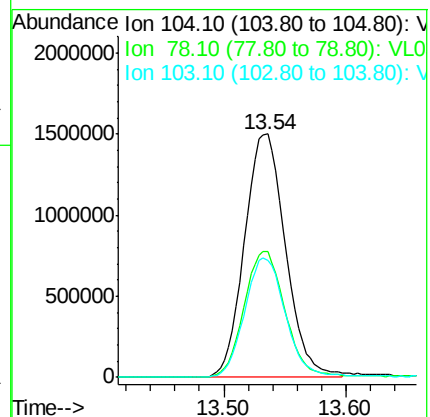
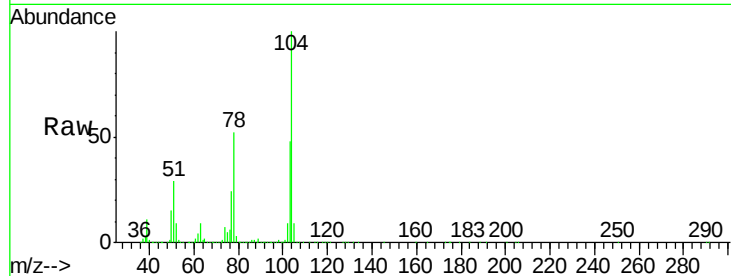
104 100

78 52.4 41.8 62.6

103 49.3 38.6 58.0

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#62

Isopropylbenzene

Concen: 13.860 ppbv

RT: 14.67 min Scan# 3697

Delta R.T. 0.00 min

Lab File: VL037285.D

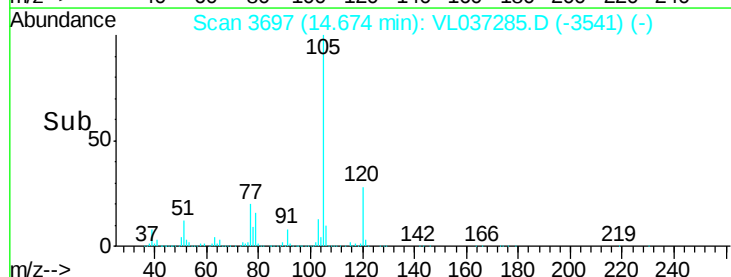
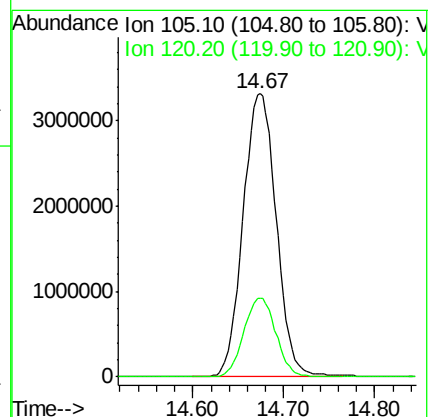
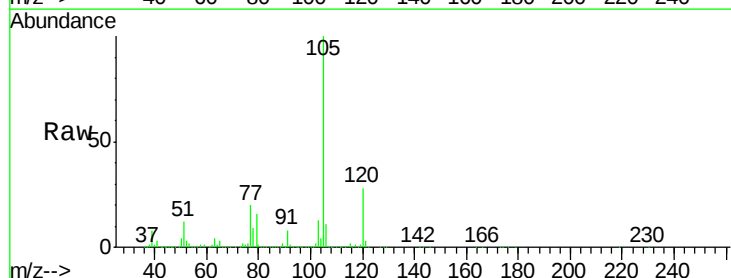
Acq: 27 Jul 2021 6:27

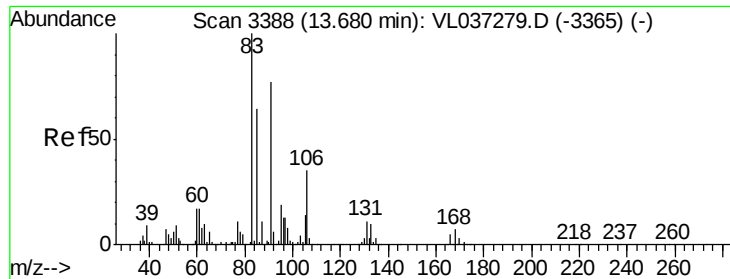
Tgt Ion:105 Resp: 8410527

Ion Ratio Lower Upper

105 100

120 27.2 21.3 31.9





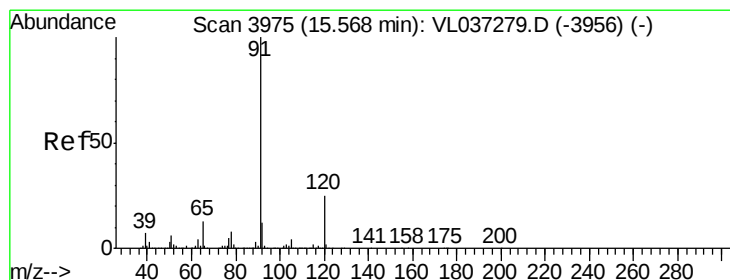
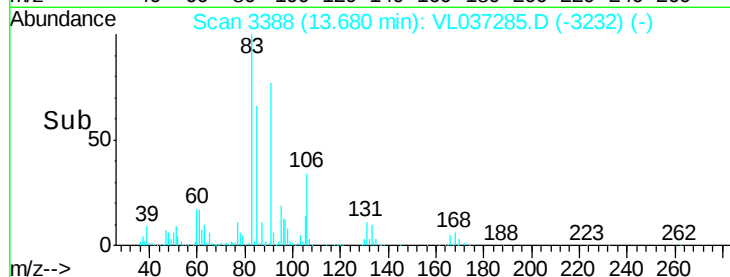
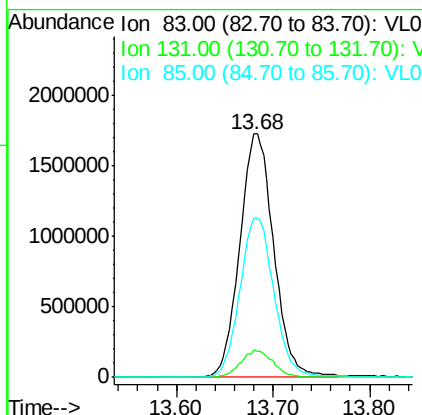
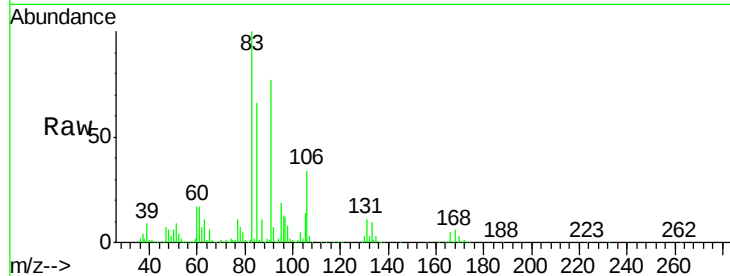
#63
 1,1,2,2-Tetrachloroethane
 Concen: 14.799 ppbv
 RT: 13.68 min Scan# 3388
 Delta R.T. 0.00 min
 Lab File: VL037285.D
 Acq: 27 Jul 2021 6:27

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

Tot Ion	Ratio	Lower	Upper
83	100		
131	10.9	5.4	16.2
85	66.2	33.4	100.2

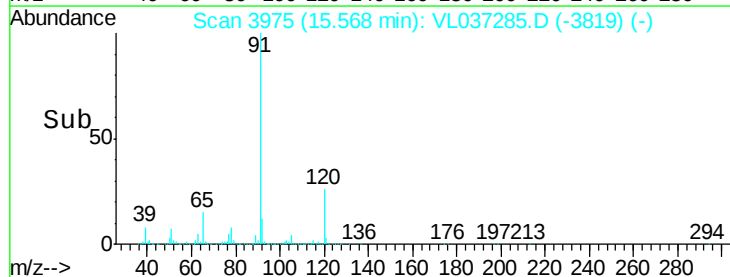
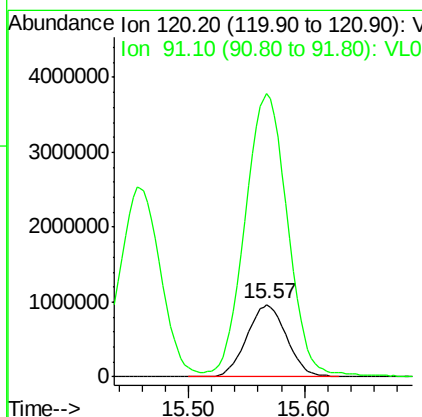
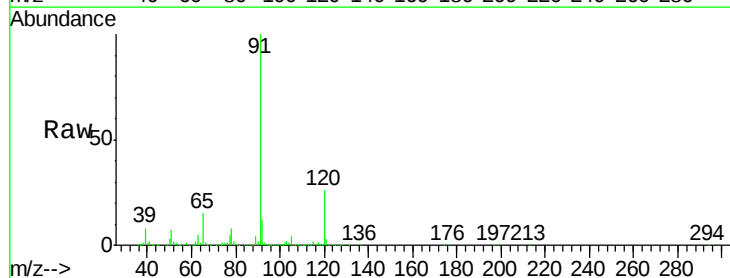
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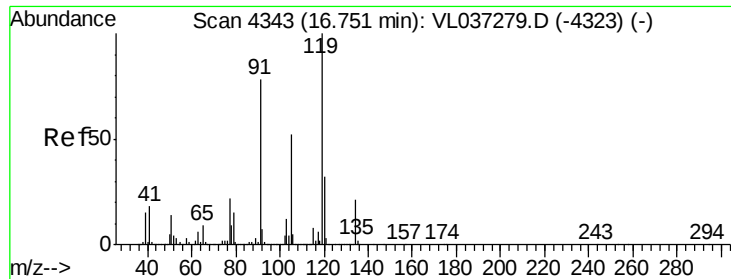
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#64
 n-propylbenzene
 Concen: 15.176 ppbv
 RT: 15.57 min Scan# 3975
 Delta R.T. 0.00 min
 Lab File: VL037285.D
 Acq: 27 Jul 2021 6:27

Tgt Ion	Ratio	Lower	Upper
120	100		
91	421.0	353.8	530.8





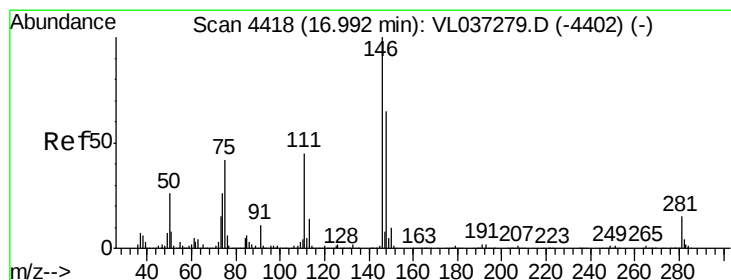
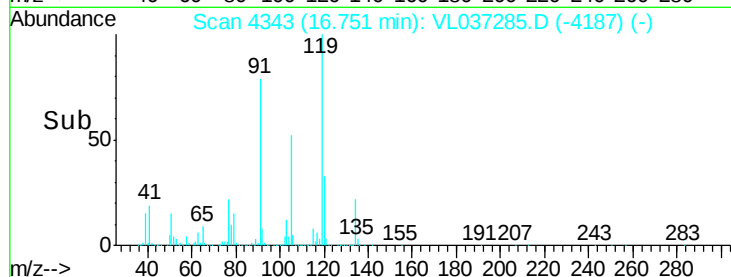
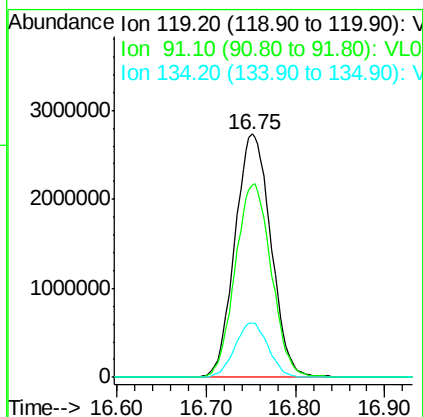
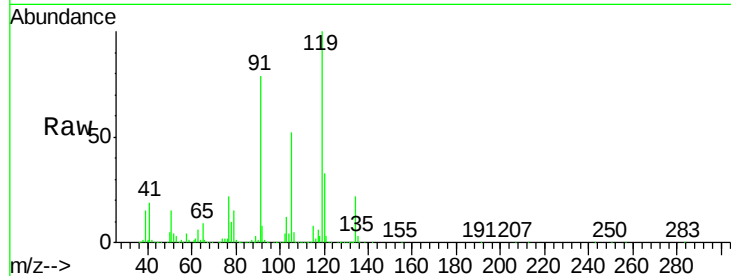
#65
tert-Butylbenzene
Concen: 14.113 ppbv
RT: 16.75 min Scan# 4343
Delta R.T. 0.00 min
Lab File: VL037285.D
Acq: 27 Jul 2021 6:27

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tot Ion:119 Resp: 7640189
Ion Ratio Lower Upper
119 100
91 79.8 63.4 95.0
134 20.8 16.1 24.1

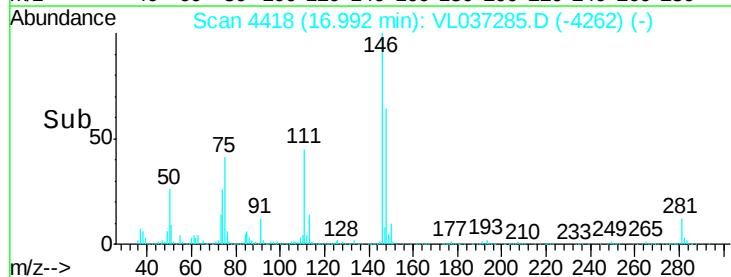
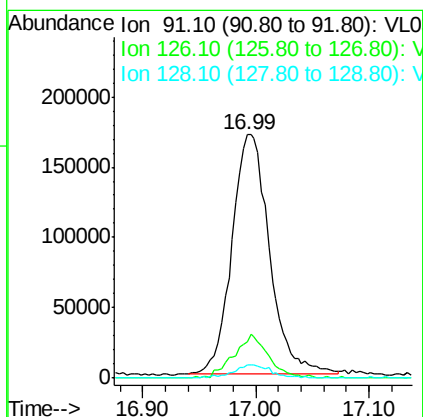
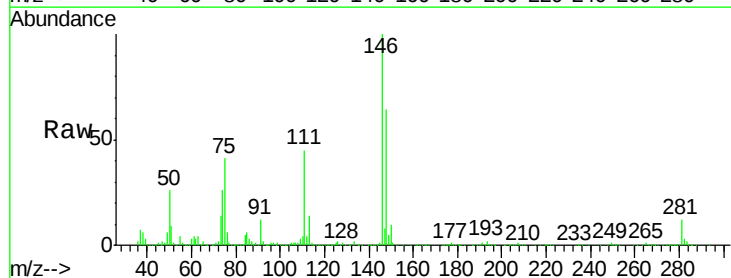
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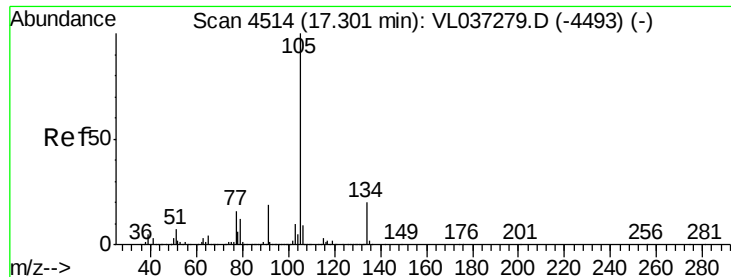
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#66
Benzyl Chloride
Concen: 17.047 ppbv
RT: 16.99 min Scan# 4418
Delta R.T. 0.00 min
Lab File: VL037285.D
Acq: 27 Jul 2021 6:27

Tgt Ion: 91 Resp: 393038
Ion Ratio Lower Upper
91 100
126 17.3 13.4 20.2
128 5.7 4.5 6.7





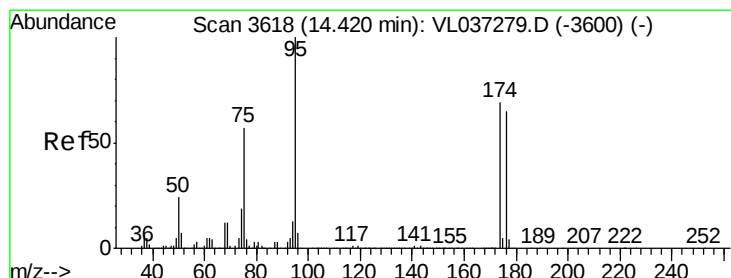
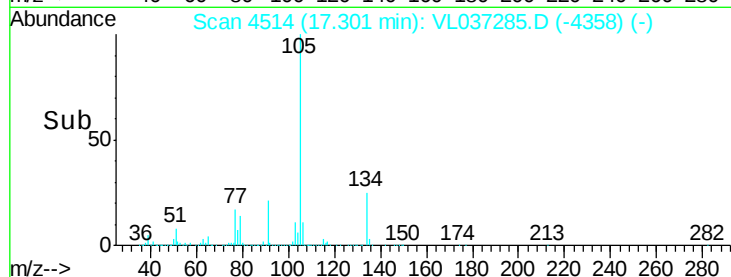
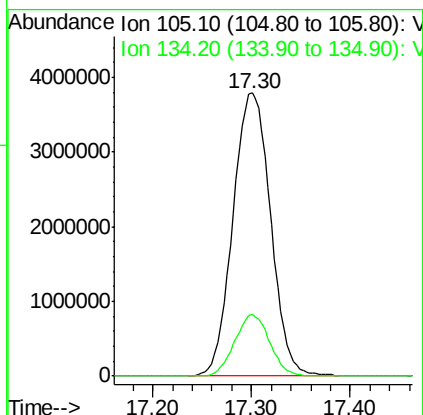
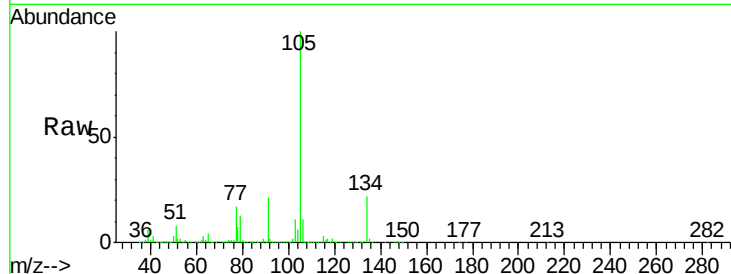
#67
 sec-Butylbenzene
 Concen: 13.917 ppbv
 RT: 17.30 min Scan# 4514
 Delta R.T. 0.00 min
 Lab File: VL037285.D
 Acq: 27 Jul 2021 6:27

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

Tot Ion: 105 Resp: 10032335
 Ion Ratio Lower Upper
 105 100
 134 20.4 15.8 23.6

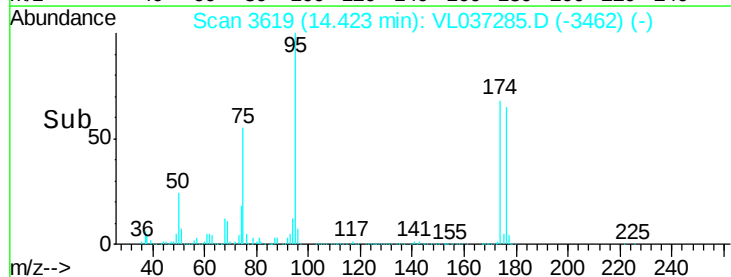
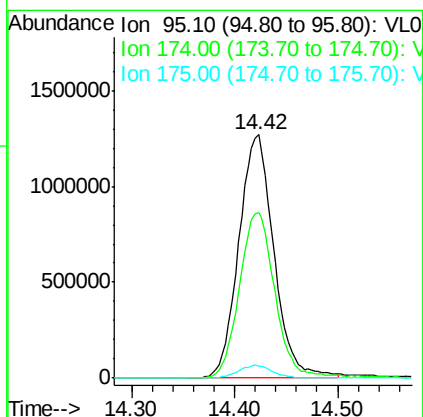
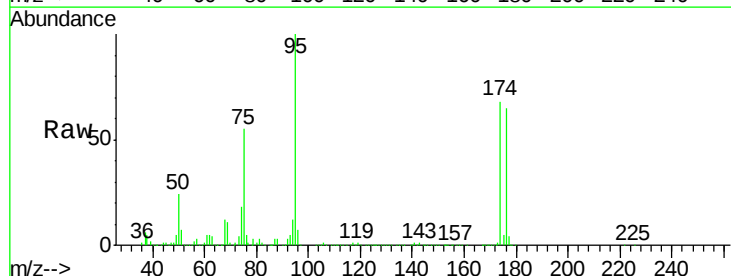
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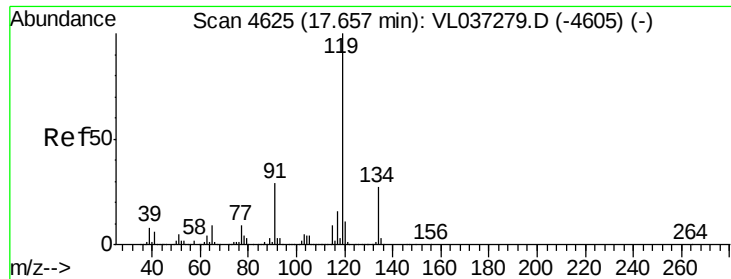
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#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.487 ppbv
 RT: 14.42 min Scan# 3619
 Delta R.T. 0.00 min
 Lab File: VL037285.D
 Acq: 27 Jul 2021 6:27

Tgt Ion: 95 Resp: 3004058
 Ion Ratio Lower Upper
 95 100
 174 70.0 56.3 84.5
 175 5.3 4.3 6.5





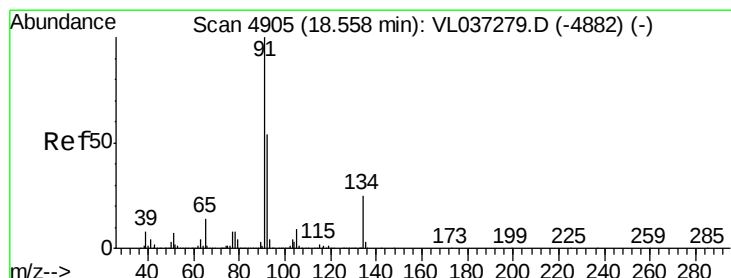
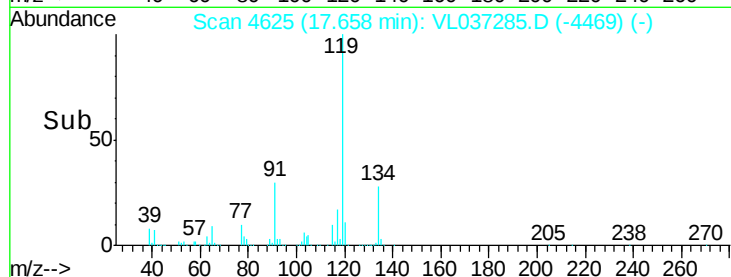
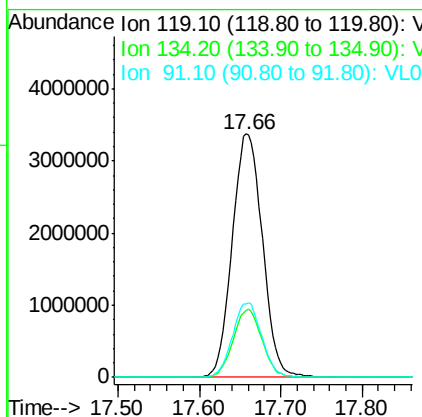
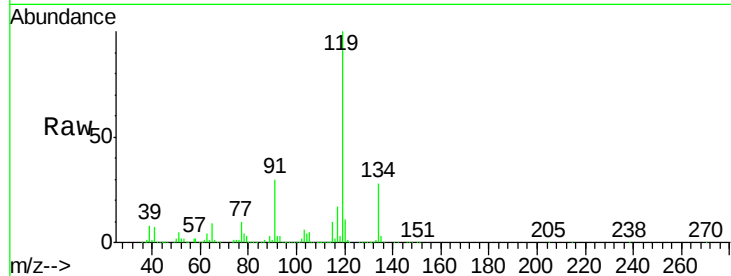
#69
 p-Isopropyltoluene
 Concen: 14.306 ppbv
 RT: 17.66 min Scan# 4625
 Delta R.T. 0.00 min
 Lab File: VL037285.D
 Acq: 27 Jul 2021 6:27

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

Tot Ion	Ratio	Lower	Upper
119	100		
134	26.7	20.6	31.0
91	29.7	23.0	34.4

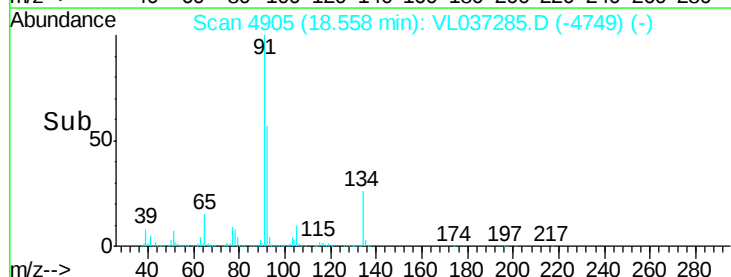
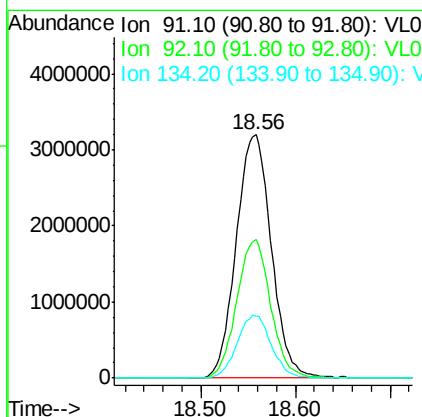
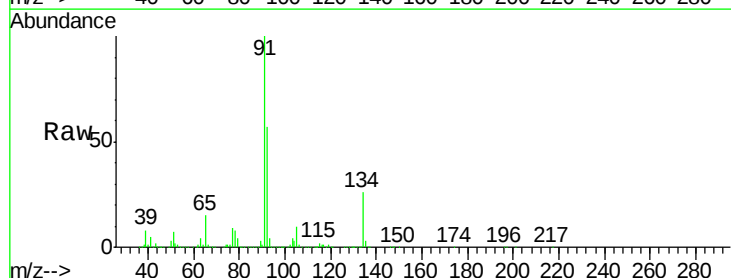
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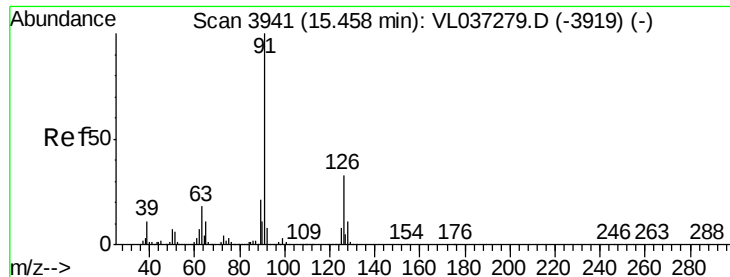
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#70
 n-Butylbenzene
 Concen: 14.669 ppbv
 RT: 18.56 min Scan# 4905
 Delta R.T. 0.00 min
 Lab File: VL037285.D
 Acq: 27 Jul 2021 6:27

Tgt Ion	Ratio	Lower	Upper
91	100		
92	55.3	43.4	65.2
134	25.3	19.6	29.4





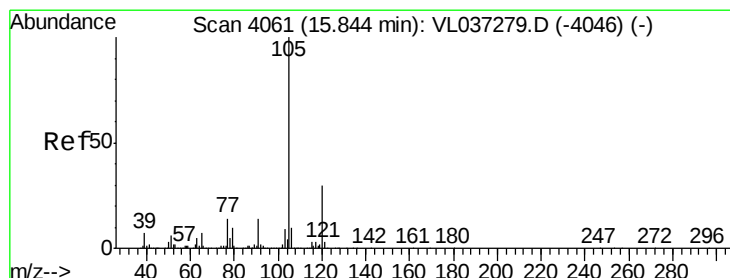
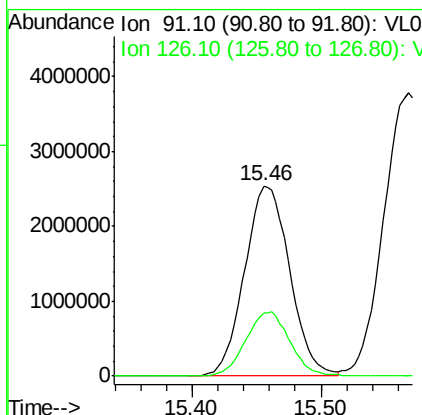
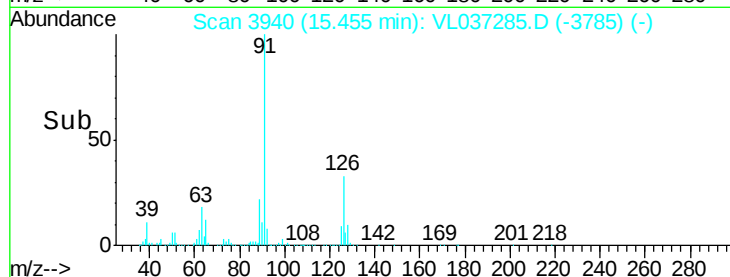
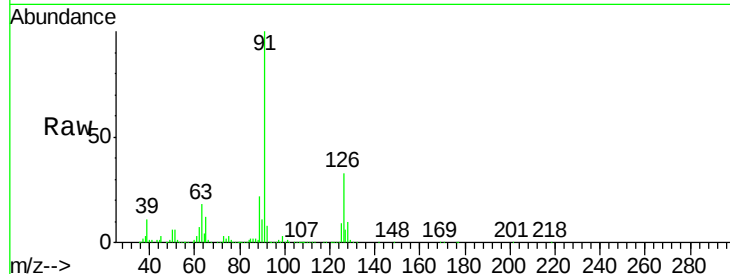
#71
2-Chlorotoluene
Concen: 14.550 ppbv
RT: 15.46 min Scan# 3940
Delta R.T. -0.00 min
Lab File: VL037285.D
Acq: 27 Jul 2021 6:27

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tot Ion: 91 Resp: 6194351
Ion Ratio Lower Upper
91 100
126 33.4 13.1 52.3

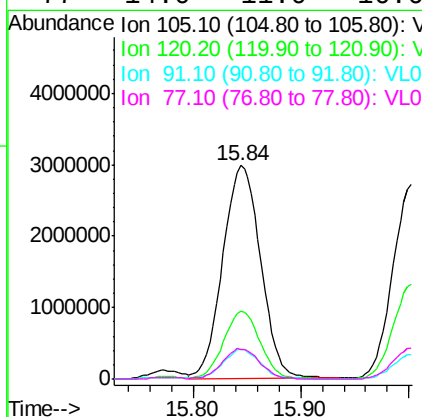
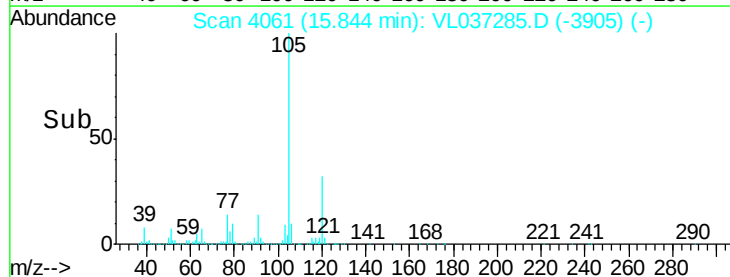
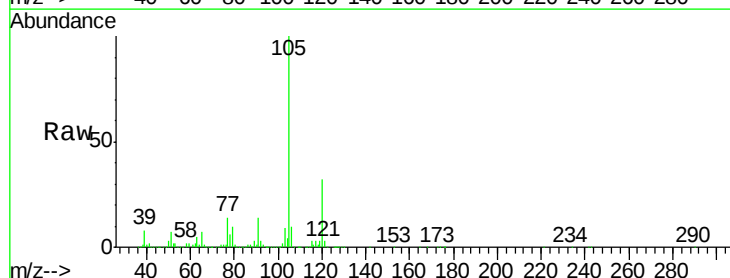
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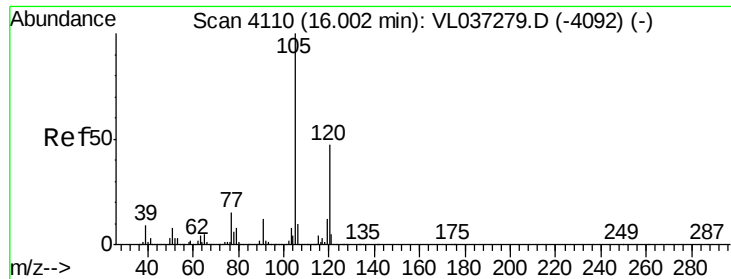
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#72
4-Ethyltoluene
Concen: 15.031 ppbv
RT: 15.84 min Scan# 4061
Delta R.T. 0.00 min
Lab File: VL037285.D
Acq: 27 Jul 2021 6:27

Tgt Ion: 105 Resp: 7305557
Ion Ratio Lower Upper
105 100
120 30.9 24.3 36.5
91 13.3 10.5 15.7
77 14.0 11.0 16.6





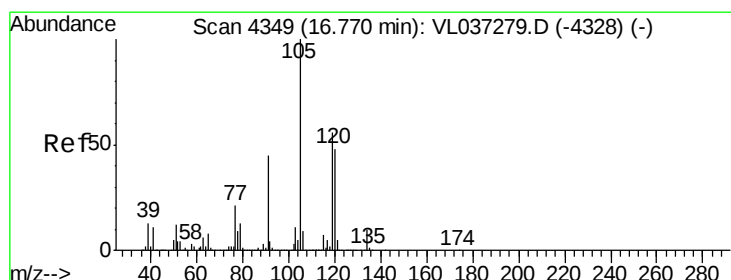
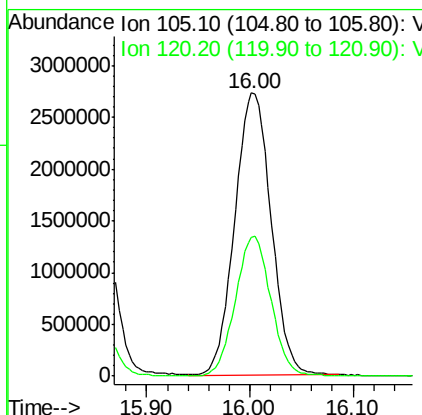
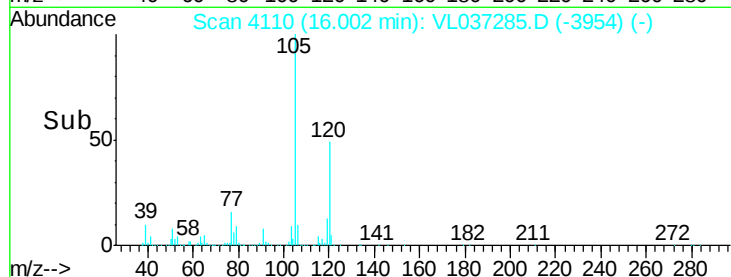
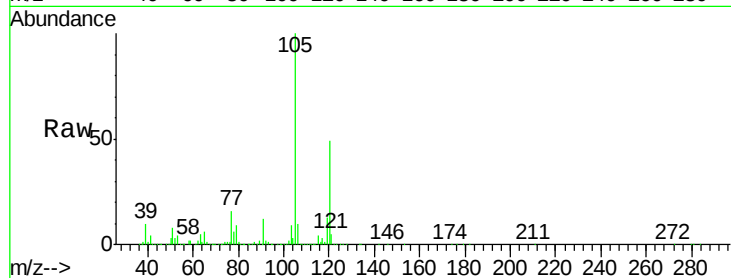
#73
 1,3,5-Trimethylbenzene
 Concen: 14.205 ppbv
 RT: 16.00 min Scan# 4110
 Delta R.T. 0.00 min
 Lab File: VL037285.D
 Acq: 27 Jul 2021 6:27

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

Tot Ion:105 Resp: 6673508
 Ion Ratio Lower Upper
 105 100
 120 48.9 37.7 56.5

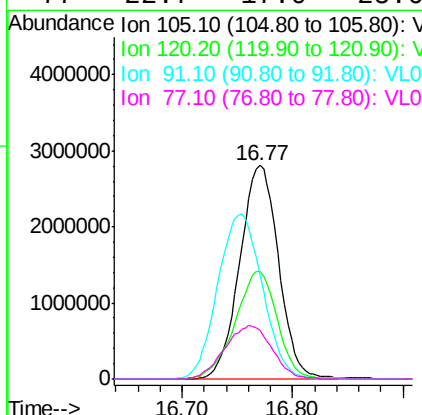
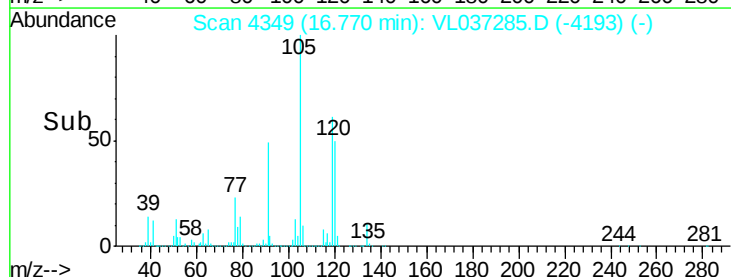
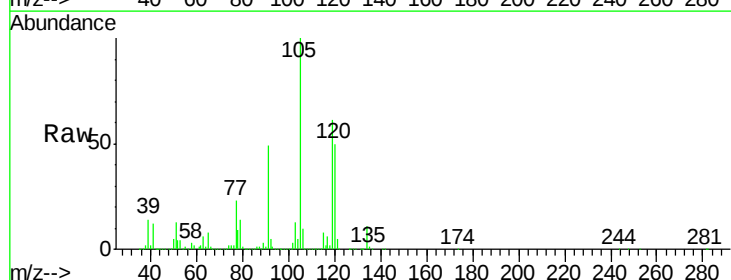
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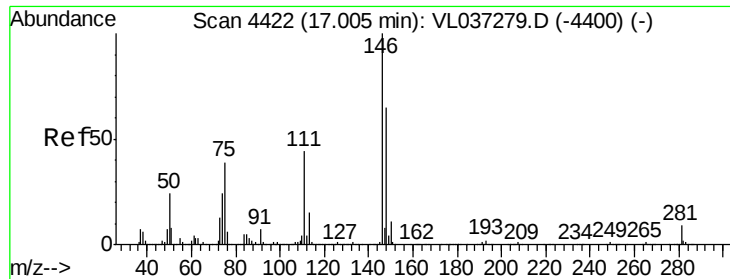
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#74
 1,2,4-Trimethylbenzene
 Concen: 14.122 ppbv
 RT: 16.77 min Scan# 4349
 Delta R.T. 0.00 min
 Lab File: VL037285.D
 Acq: 27 Jul 2021 6:27

Tgt Ion:105 Resp: 6837771
 Ion Ratio Lower Upper
 105 100
 120 49.9 38.2 57.4
 91 48.4 36.2 54.2
 77 22.7 17.0 25.6





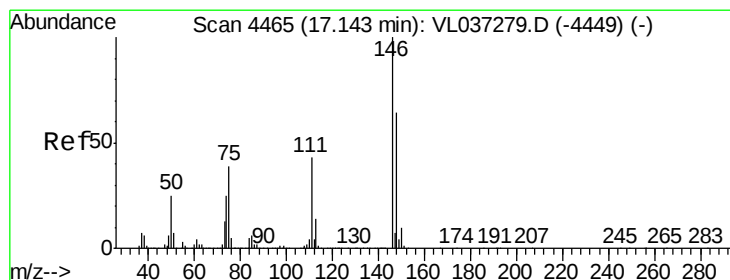
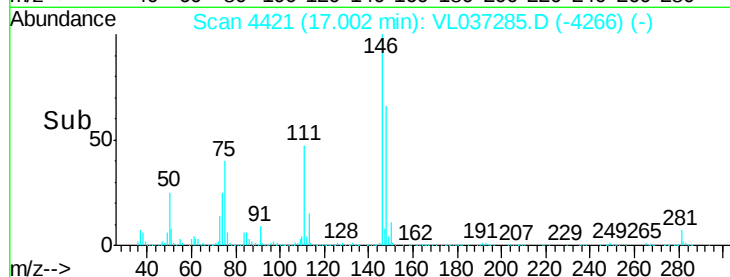
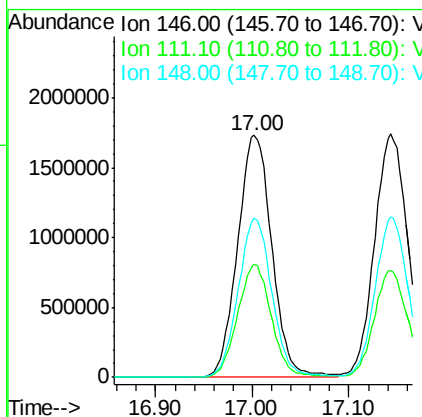
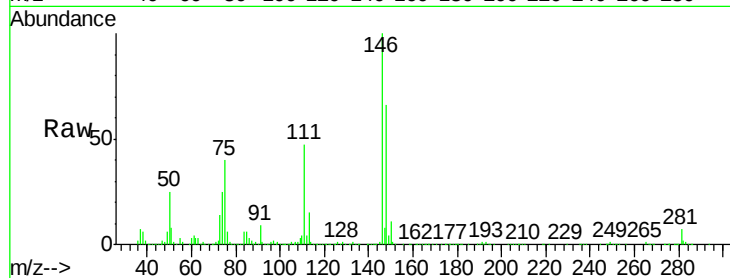
#75
 1,3-Dichlorobenzene
 Concen: 14.556 ppbv
 RT: 17.00 min Scan# 4421
 Delta R.T. -0.00 min
 Lab File: VL037285.D
 Acq: 27 Jul 2021 6:27

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

Tot Ion:146 Resp: 4278262
 Ion Ratio Lower Upper
 146 100
 111 45.9 22.6 67.8
 148 64.6 32.4 97.2

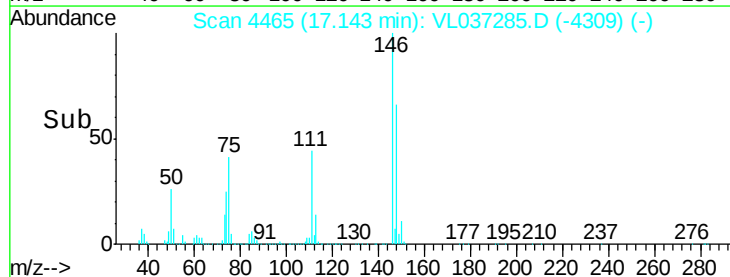
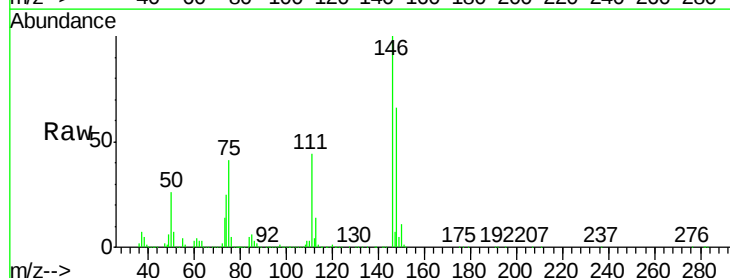
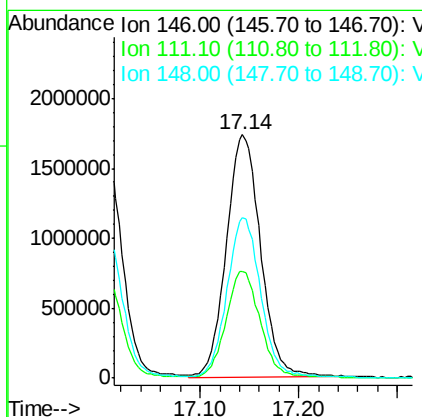
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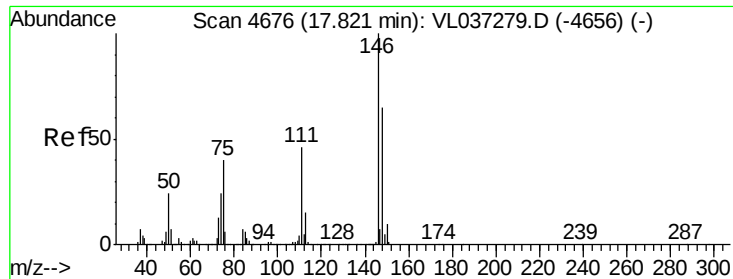
MMDadoda
 8/2/2021 9:03:50 AM



#76
 1,4-Dichlorobenzene
 Concen: 14.258 ppbv
 RT: 17.14 min Scan# 4465
 Delta R.T. 0.00 min
 Lab File: VL037285.D
 Acq: 27 Jul 2021 6:27

Tgt Ion:146 Resp: 4179283
 Ion Ratio Lower Upper
 146 100
 111 44.8 22.8 68.4
 148 66.1 33.7 101.0





#77

1,2-Dichlorobenzene

Concen: 14.376 ppbv

RT: 17.82 min Scan# 4677

Delta R.T. 0.00 min

Lab File: VL037285.D

Acq: 27 Jul 2021 6:27

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tot Ion:146 Resp: 4099816

Ion Ratio Lower Upper

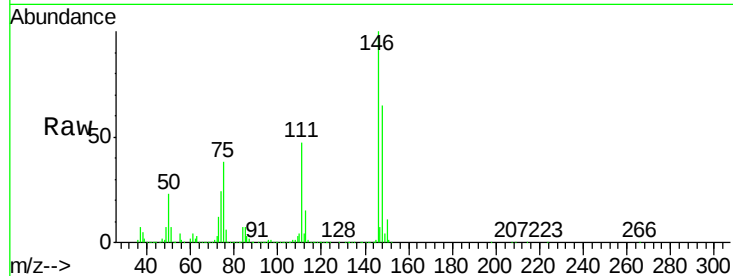
146 100

111 47.3 23.4 70.3

148 64.7 32.3 96.9

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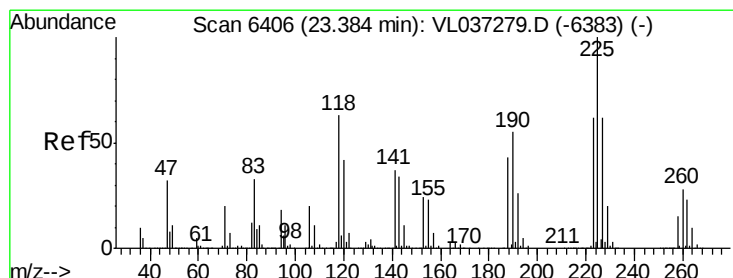
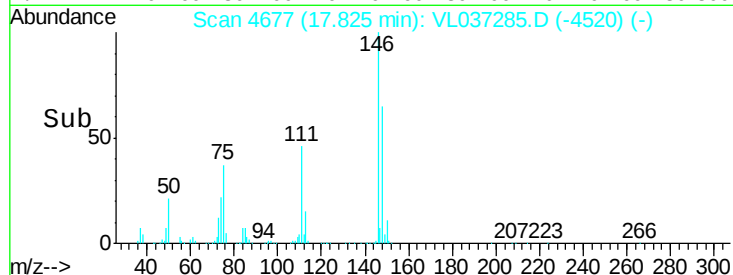
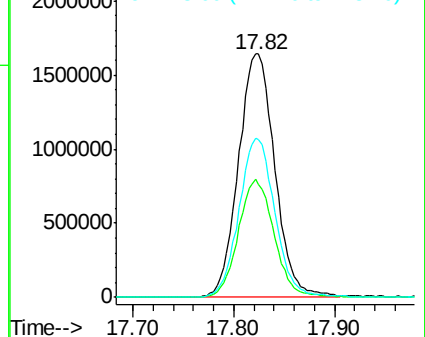
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Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V



#78

Hexachloro-1,3-Butadiene

Concen: 10.740 ppbv

RT: 23.38 min Scan# 6406

Delta R.T. 0.00 min

Lab File: VL037285.D

Acq: 27 Jul 2021 6:27

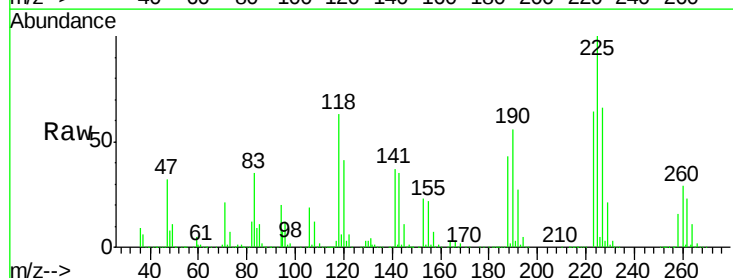
Tgt Ion:225 Resp: 2547041

Ion Ratio Lower Upper

225 100

223 64.6 51.4 77.2

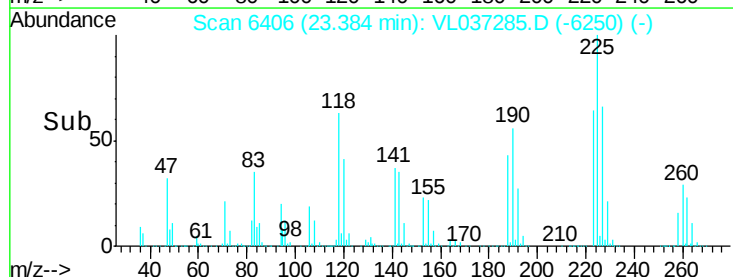
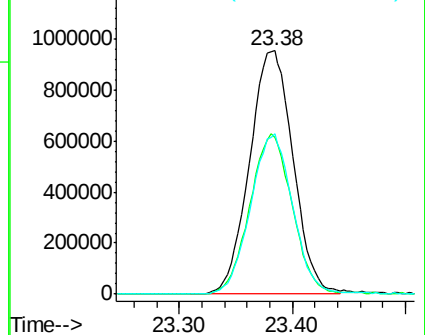
227 64.5 50.8 76.2

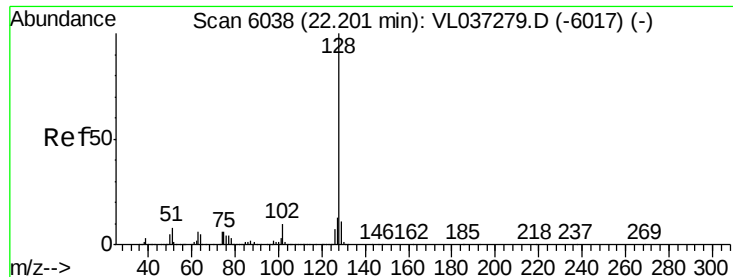


Abundance Ion 224.90 (224.60 to 225.60): V

Ion 222.90 (222.60 to 223.60): V

Ion 226.90 (226.60 to 227.60): V





#79

Naphthalene

Concen: 12.962 ppbv

RT: 22.20 min Scan# 6038

Delta R.T. 0.00 min

Lab File: VL037285.D

Acq: 27 Jul 2021 6:27

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tot Ion:128 Resp: 4912997

Ion Ratio Lower Upper

128 100

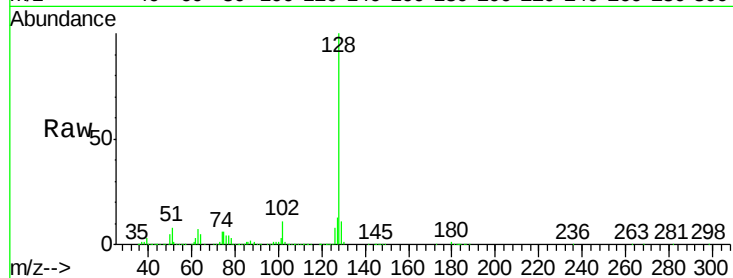
127 13.0 10.3 15.5

129 11.3 9.0 13.4

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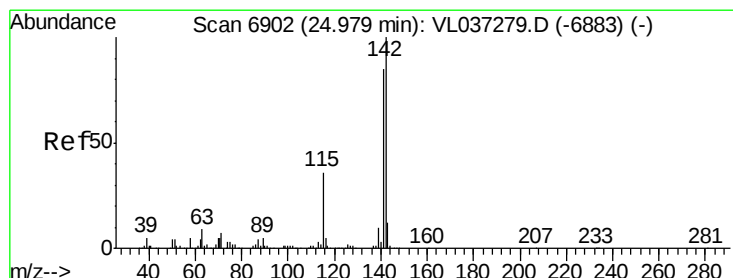
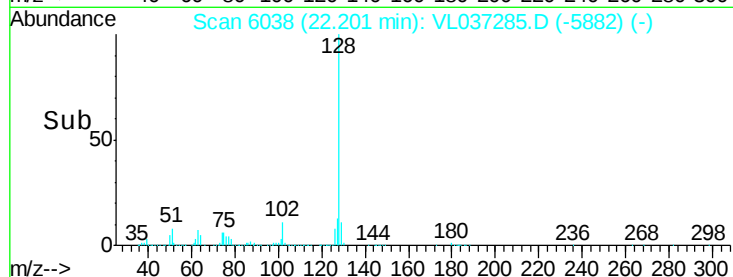
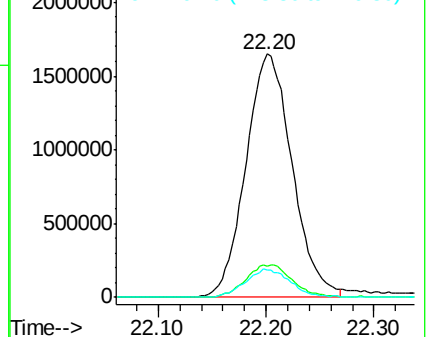
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Abundance Ion 128.10 (127.80 to 128.80): V

Ion 127.10 (126.80 to 127.80): V

Ion 129.10 (128.80 to 129.80): V



#80

Naphthalene, 2-methyl-

Concen: 12.915 ppbv

RT: 24.98 min Scan# 6901

Delta R.T. -0.00 min

Lab File: VL037285.D

Acq: 27 Jul 2021 6:27

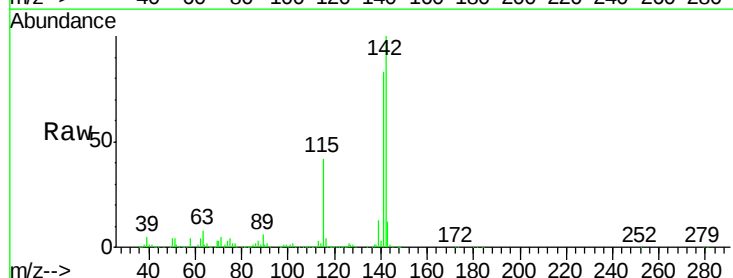
Tgt Ion:142 Resp: 1175718

Ion Ratio Lower Upper

142 100

141 79.8 70.7 106.1

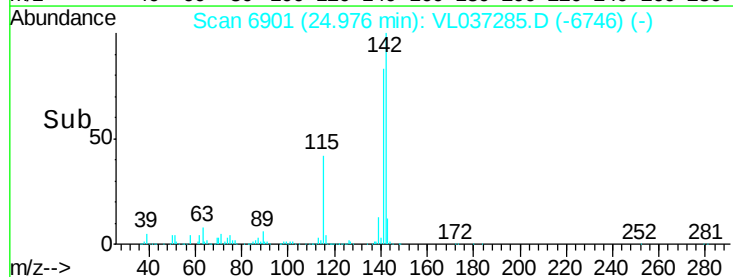
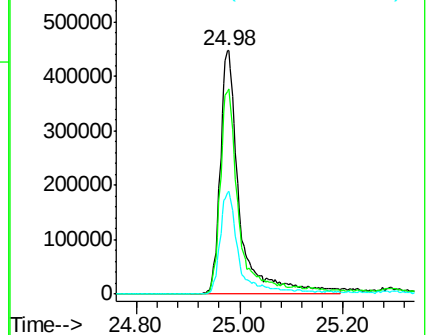
115 41.4 31.4 47.0

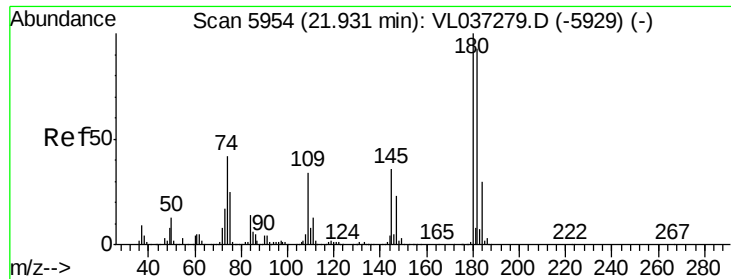


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

Ion 115.00 (114.70 to 115.70): V





#81
 1,2,4-Trichlorobenzene
 Concen: 13.014 ppbv
 RT: 21.93 min Scan# 5955
 Delta R.T. 0.00 min
 Lab File: VL037285.D
 Acq: 27 Jul 2021 6:27

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

Tot Ion	Ratio	Lower	Upper
180	100		
182	98.0	79.3	118.9
184	31.6	24.8	37.2

Manual Integrations
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