

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL120820\
 Data File : VL036097.D
 Acq On : 8 Dec 2020 15:07
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Manual Integrations
 APPROVED

MMDadoda
 12/11/2020 12:23:03 PM

Quant Time: Dec 09 07:28:22 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL120720AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Dec 0
 QLast Update : Mon Dec 07 16:56:49 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.68	49	1243933	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.19	114	2696797	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.11	117	2683507m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.44	95	2164481	10.16	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.60%

Target Compounds

	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.05	85	1172968	8.091	ppbv	98
3) Chlorodifluoromethane	2.99	51	1473236	10.380	ppbv	100
4) Chloromethane	3.14	50	702511	10.082	ppbv	97
5) Vinyl Chloride	3.26	62	701895	9.054	ppbv	100
6) Bromomethane	3.47	94	381140	9.529	ppbv	96
7) Chloroethane	3.56	64	249343	9.442	ppbv #	86
8) Dichlorotetrafluoroethane	3.19	85	1572151	9.758	ppbv	93
9) Propene	3.01	41	698939	9.831	ppbv	99
10) Heptane	8.14	43	1808959	9.962	ppbv	100
11) Trichlorofluoromethane	3.96	101	1667097	9.781	ppbv	100
12) 1,1,2-Trichlorotrifluoroet	4.49	101	1083961	9.365	ppbv	96
13) Ethanol	3.61	45	99077	10.109	ppbv	86
14) Bromoethene	3.74	108	462295	9.735	ppbv	97
15) Acetone	3.86	43	1316918	8.809	ppbv	99
16) 1,3-Butadiene	3.33	39	695955	9.243	ppbv	96
17) tert-Butyl alcohol	4.30	59	1166029	8.052	ppbv	99
18) 1,1-Dichloroethene	4.30	96	496983	9.670	ppbv	98
19) Isopropyl Alcohol	3.98	45	732622	8.018	ppbv #	100
20) Methylene Chloride	4.35	84	439722	7.178	ppbv	98
21) Allyl Chloride	4.42	41	882106	8.874	ppbv	95
22) trans-1,2-Dichloroethene	4.90	96	464219	9.022	ppbv	99
23) Vinyl Acetate	5.09	43	1782854	8.957	ppbv #	98
24) 1,1-Dichloroethane	5.02	63	1319495	9.425	ppbv	99
25) Ethyl Acetate	5.69	43	2886959	9.666	ppbv	99
26) Hexane	5.70	57	1216753	9.052	ppbv	97
27) Carbon Disulfide	4.56	76	1217909	9.117	ppbv	98
28) Methyl tert-Butyl Ether	5.04	73	1741282	9.112	ppbv	98
29) Chloroform	5.77	83	1791341	10.148	ppbv	98
30) Cyclohexane	7.14	84	969739	9.821	ppbv	98
31) cis-1,2-Dichloroethene	5.56	61	1241908	10.164	ppbv	94
32) 1,1,1-Trichloroethane	6.53	97	1767638	9.705	ppbv	99
34) 2-Butanone	5.26	43	1793221	10.024	ppbv	100
35) Carbon Tetrachloride	7.03	117	1702159	10.824	ppbv	98
36) Benzene	6.91	78	2445023	10.698	ppbv	97
37) 1,2-Dichloroethane	6.32	62	1497749	11.309	ppbv	99
38) Trichloroethene	7.85	130	771780	9.034	ppbv	93
39) 1,2-Dichloropropane	7.63	63	972279	10.772	ppbv	99
40) 1,4-Dioxane	7.85	88	286188	10.081	ppbv #	1
41) Tetrahydrofuran	6.06	42	1108292	10.429	ppbv	99
42) Bromodichloromethane	7.81	83	1997824	11.321	ppbv	99
43) Methyl Methacrylate	8.03	69	1092592	11.143	ppbv	99

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Manual Integrations
 APPROVED

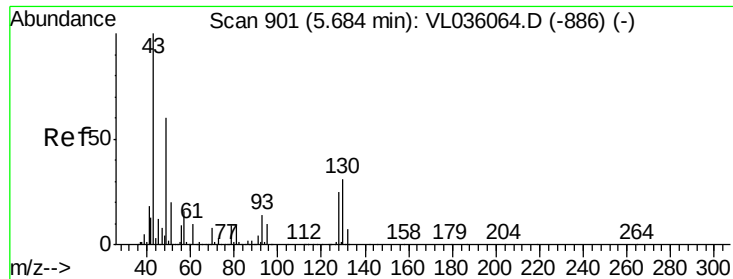
MMDadoda
 12/11/2020 12:23:03 PM

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

44) 2,2,4-Trimethylpentane	7.89	57	4340874	10.488	ppbv	100
45) t-1,3-Dichloropropene	9.30	75	1138799	11.305	ppbv	100
46) cis-1,3-Dichloropropene	8.72	75	1375884	10.898	ppbv	98
47) 1,1,2-Trichloroethane	9.50	97	938346	10.806	ppbv	95
48) Dibromochloromethane	10.33	129	1419119	10.822	ppbv	99
49) Bromoform	13.07	173	1080458	10.469	ppbv	100
50) 4-Methyl-2-Pentanone	8.76	43	2891215	10.837	ppbv	99
51) 2-Hexanone	10.15	43	2279365	10.930	ppbv #	98
52) Tetrachloroethene	11.25	164	734167	8.874	ppbv	96
53) Toluene	9.82	91	2708484	10.554	ppbv	100
54) 1,2-Dibromoethane	10.63	107	1350116	10.373	ppbv	100
56) 1,1,1,2-Tetrachloroethane	12.15	131	1053907	9.472	ppbv	96
57) Chlorobenzene	12.17	112	1773067	9.412	ppbv	97
58) Ethyl Benzene	12.73	91	3649892	9.925	ppbv	97
59) m/p-Xylene	13.02	91	6101875m	19.700	ppbv	
60) o-Xylene	13.72	91	2823260	9.674	ppbv	97
61) Styrene	13.55	104	1888351	10.079	ppbv	98
62) Isopropylbenzene	14.69	105	4045822	9.353	ppbv	98
63) 1,1,2,2-Tetrachloroethane	13.70	83	1840542	9.365	ppbv	99
64) n-propylbenzene	15.59	120	965172	9.274	ppbv	86
65) tert-Butylbenzene	16.77	119	3203536	9.048	ppbv	94
66) Benzyl Chloride	17.01	91	776578	8.808	ppbv	97
67) sec-Butylbenzene	17.32	105	4591392	9.265	ppbv	98
69) p-Isopropyltoluene	17.68	119	3603331	9.142	ppbv	98
70) n-Butylbenzene	18.58	91	3853143	9.891	ppbv	99
71) 2-Chlorotoluene	15.48	91	3212744	9.825	ppbv	96
72) 4-Ethyltoluene	15.86	105	3129817	9.900	ppbv	97
73) 1,3,5-Trimethylbenzene	16.02	105	2862592	9.481	ppbv	93
74) 1,2,4-Trimethylbenzene	16.79	105	2844848	9.387	ppbv	97
75) 1,3-Dichlorobenzene	17.02	146	1385837	9.135	ppbv	98
76) 1,4-Dichlorobenzene	17.16	146	1381072	8.941	ppbv	97
77) 1,2-Dichlorobenzene	17.84	146	1317255	9.094	ppbv	97
78) Hexachloro-1,3-Butadiene	23.40	225	974626	8.395	ppbv	100
79) Naphthalene	22.23	128	1705784	11.073	ppbv	98
80) Naphthalene, 2-methyl-	25.00	142	709747	20.603	ppbv	98
81) 1,2,4-Trichlorobenzene	21.96	180	1022249	9.932	ppbv #	100

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.68 min Scan# 901

Delta R.T. -0.00 min

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Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 49 Resp: 1243933

Ion Ratio Lower Upper

49 100

128 38.2 21.1 63.1

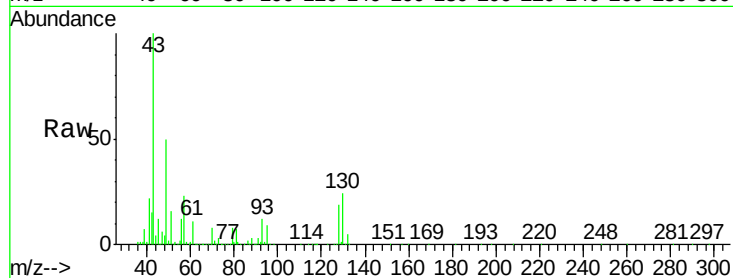
130 48.4 27.1 81.3

Manual Integrations

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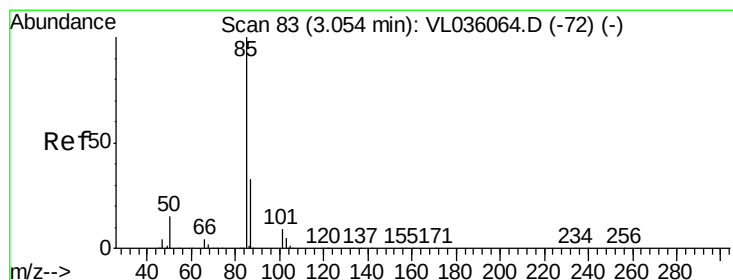
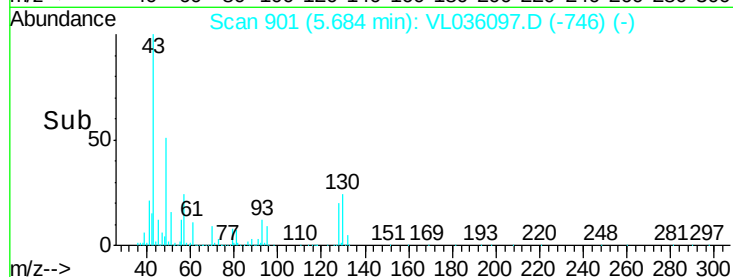
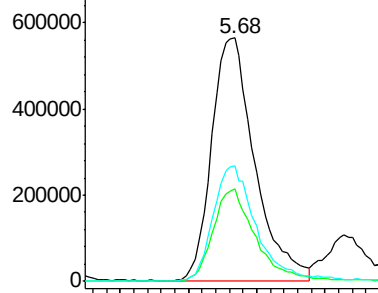
12/11/2020 12:23:03 PM



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: 8.091 ppbv

RT: 3.05 min Scan# 82

Delta R.T. -0.00 min

Lab File: VL036097.D

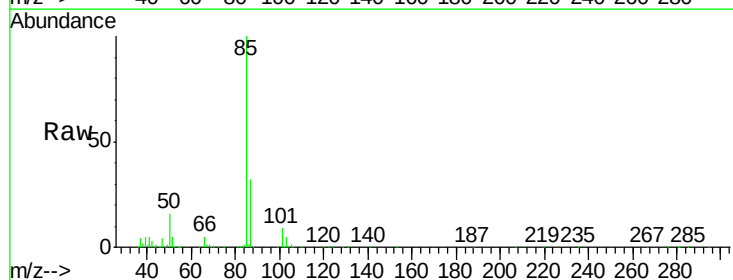
Acq: 8 Dec 2020 15:07

Tgt Ion: 85 Resp: 1172968

Ion Ratio Lower Upper

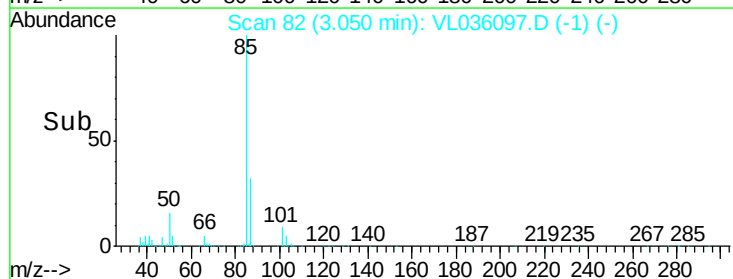
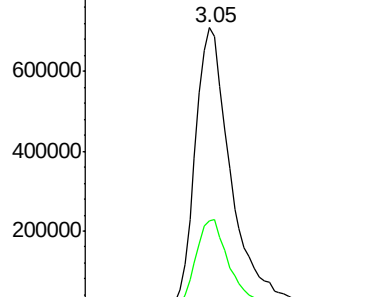
85 100

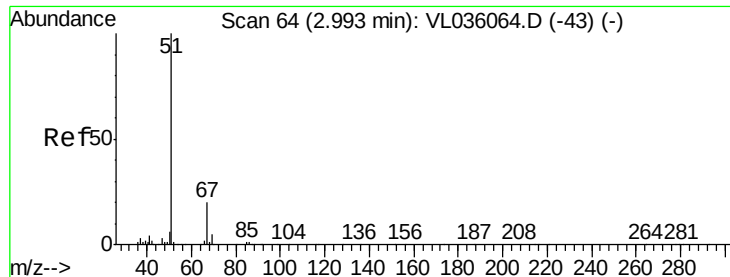
87 32.0 26.5 39.7



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





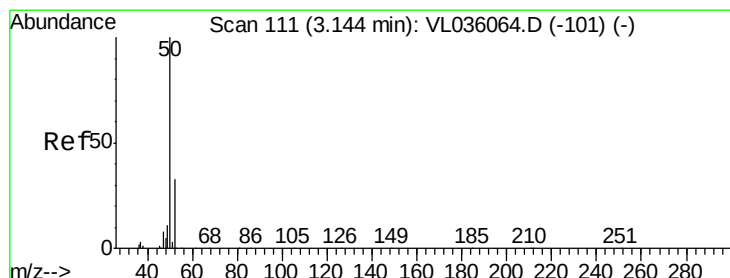
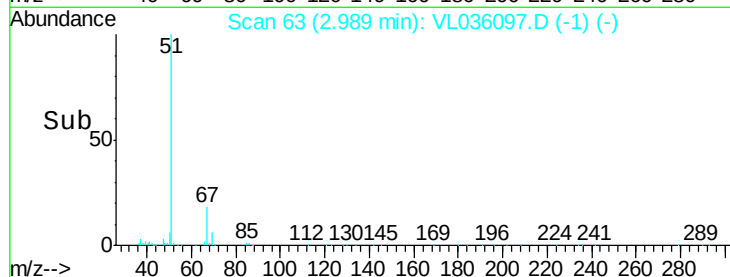
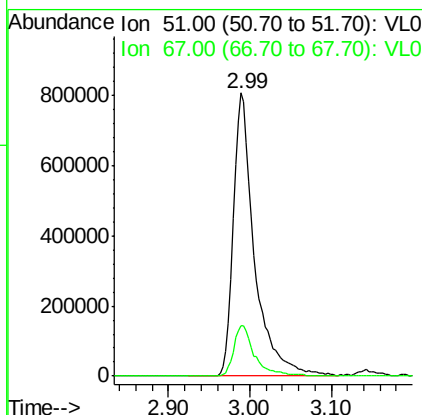
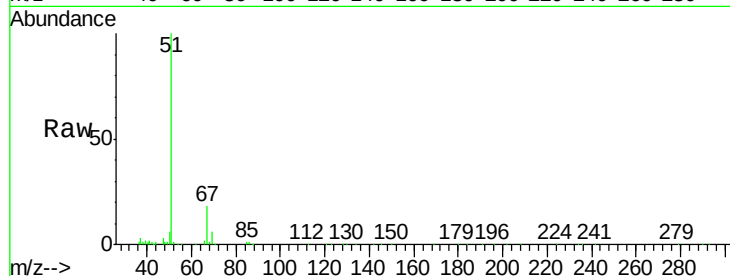
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Chlorodifluoromethane
Concen: 10.380 ppbv
RT: 2.99 min Scan# 63
Delta R.T. -0.00 min
Lab File: VL036097.D
Acq: 8 Dec 2020 15:07

Instrument :
MSVOA_L
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VSTDCCC010

Tot Ion: 51 Resp: 1473236
Ion Ratio Lower Upper
51 100
67 17.9 14.3 21.5

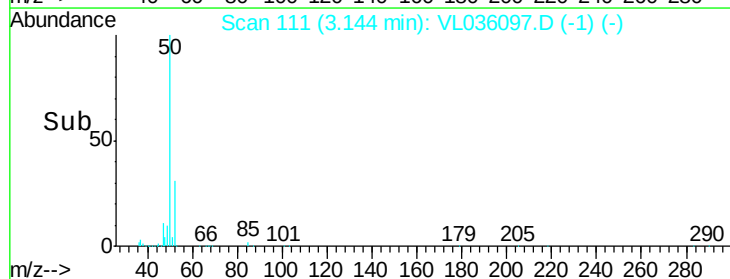
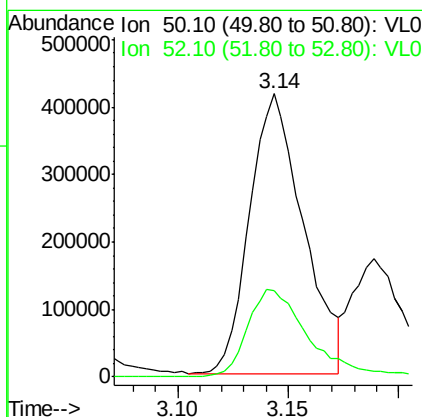
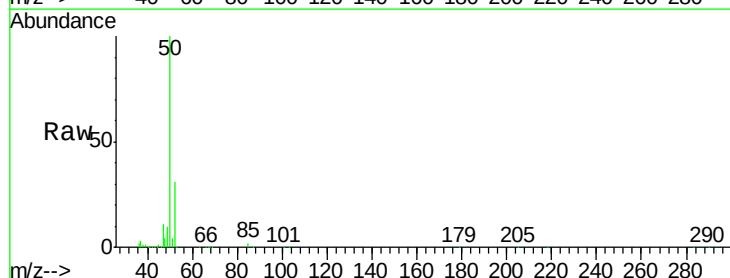
Manual Integrations
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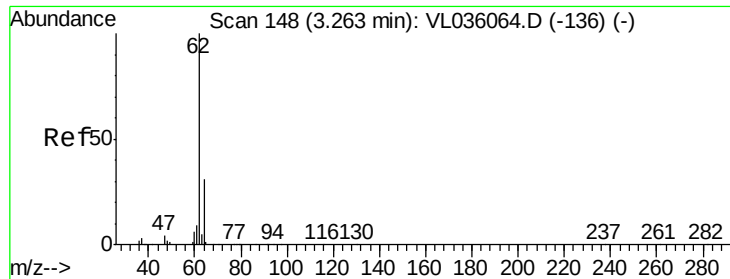
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#4
Chloromethane
Concen: 10.082 ppbv
RT: 3.14 min Scan# 111
Delta R.T. -0.00 min
Lab File: VL036097.D
Acq: 8 Dec 2020 15:07

Tgt Ion: 50 Resp: 702511
Ion Ratio Lower Upper
50 100
52 31.0 26.1 39.1





#5

Vinyl Chloride

Concen: 9.054 ppbv

RT: 3.26 min Scan# 147

Delta R.T. -0.00 min

Lab File: VL036097.D

Acq: 8 Dec 2020 15:07

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 62 Resp: 701895

Ion Ratio Lower Upper

62 100

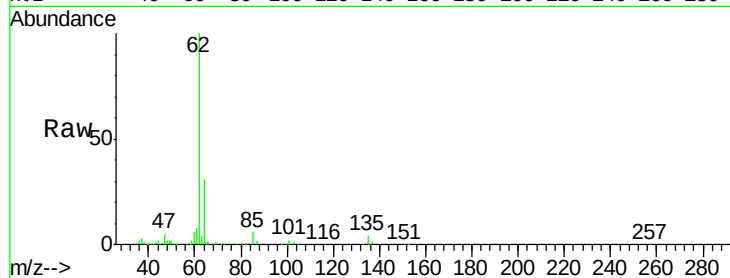
64 30.6 24.5 36.7

Manual Integrations

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Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0

3.26

400000

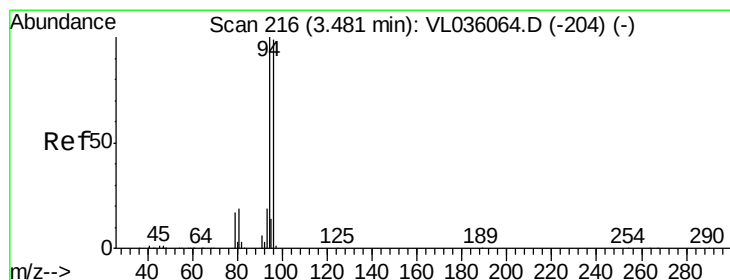
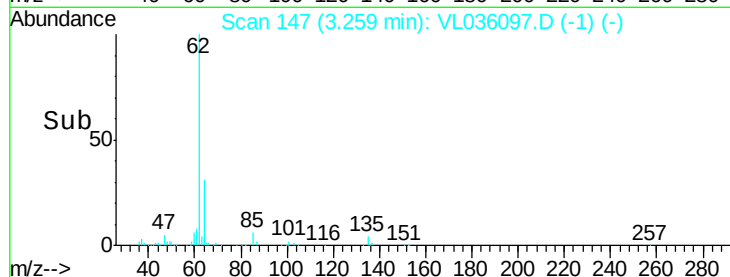
300000

200000

100000

0

Time-->



#6

Bromomethane

Concen: 9.529 ppbv

RT: 3.47 min Scan# 214

Delta R.T. -0.01 min

Lab File: VL036097.D

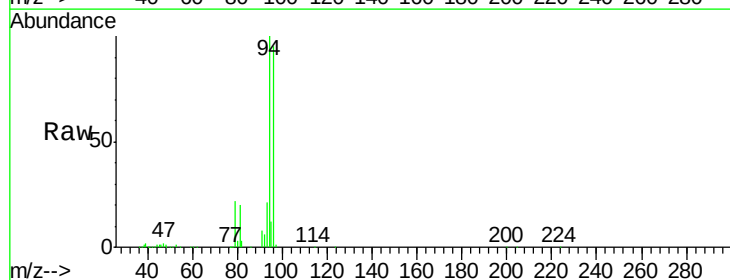
Acq: 8 Dec 2020 15:07

Tgt Ion: 94 Resp: 381140

Ion Ratio Lower Upper

94 100

96 95.3 79.4 119.0



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0

3.47

200000

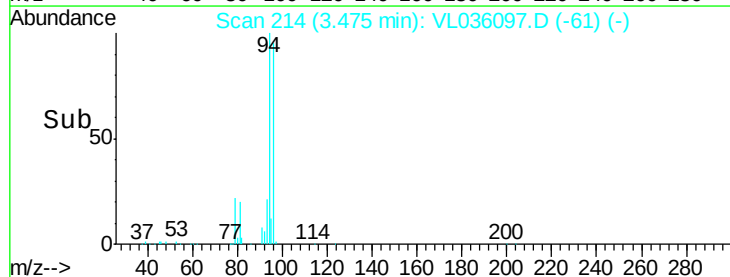
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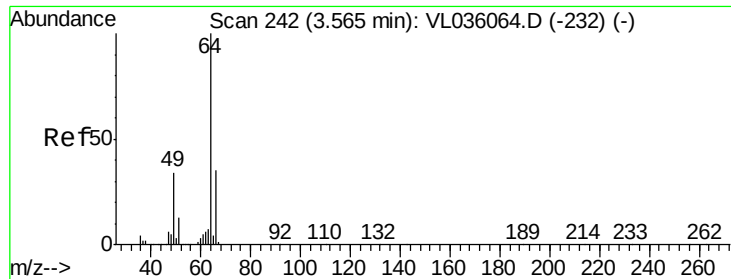
100000

50000

0

Time-->





#7

Chloroethane

Concen: 9.442 ppbv

RT: 3.56 min Scan# 242

Delta R.T. -0.00 min

Lab File: VL036097.D

Acq: 8 Dec 2020 15:07

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 64 Resp: 249343

Ion Ratio Lower Upper

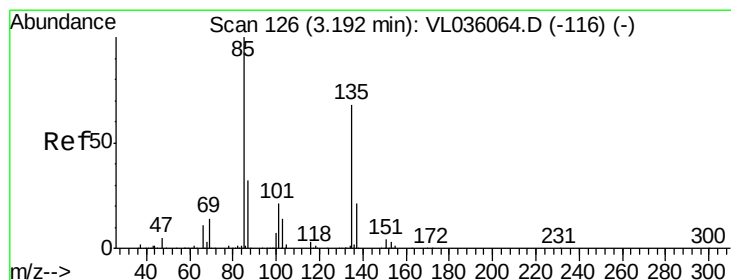
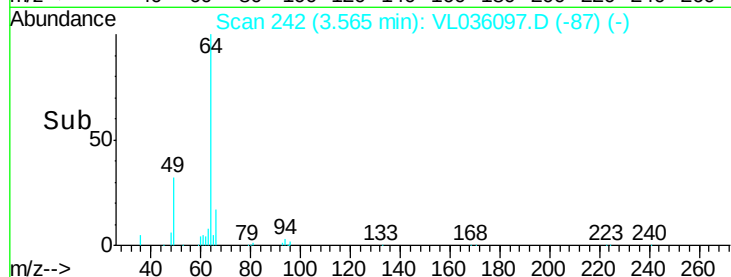
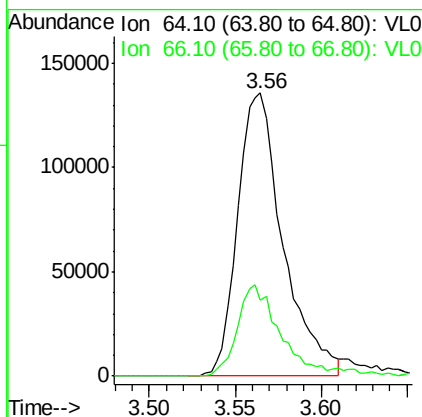
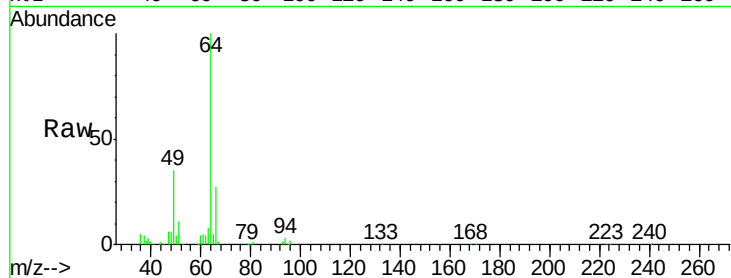
64 100

66 26.7 27.7 41.5#

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#8

Dichlorotetrafluoroethane

Concen: 9.758 ppbv

RT: 3.19 min Scan# 125

Delta R.T. -0.00 min

Lab File: VL036097.D

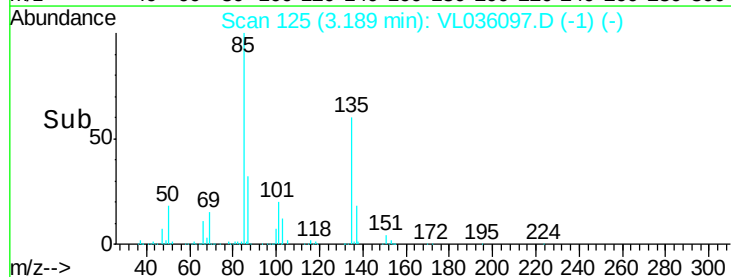
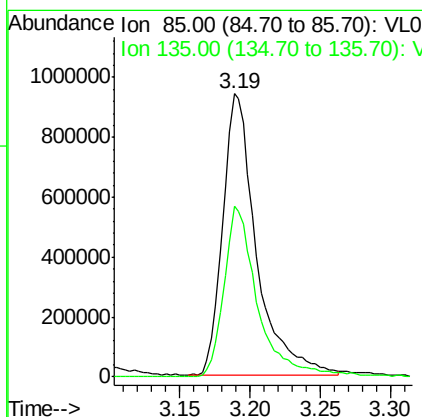
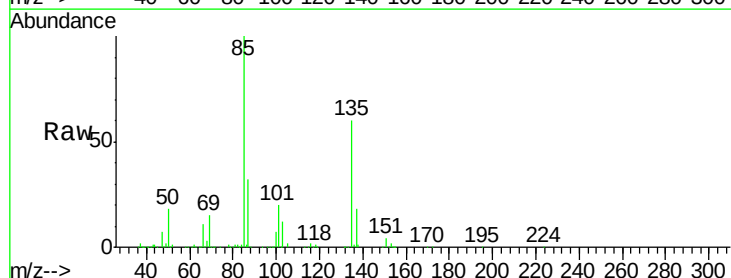
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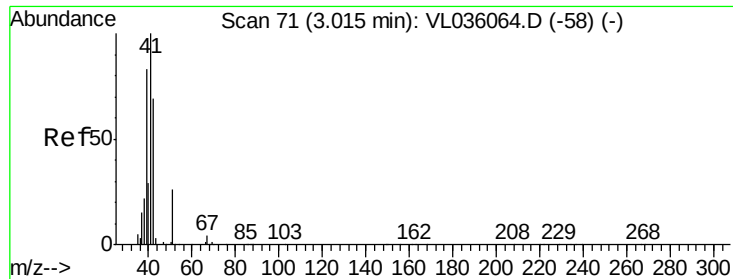
Tgt Ion: 85 Resp: 1572151

Ion Ratio Lower Upper

85 100

135 61.4 53.8 80.8





#9

Propene

Concen: 9.831 ppbv

RT: 3.01 min Scan# 70

Delta R.T. -0.00 min

Lab File: VL036097.D

Acq: 8 Dec 2020 15:07

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Tot Ion: 41 Resp: 698939

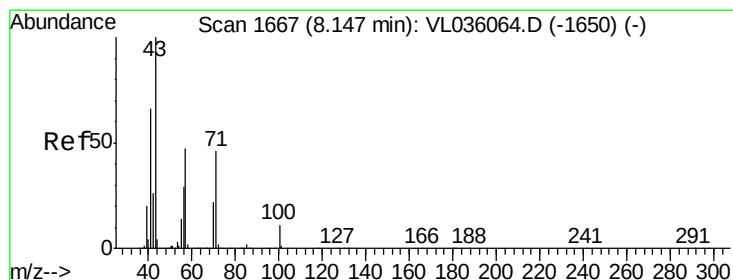
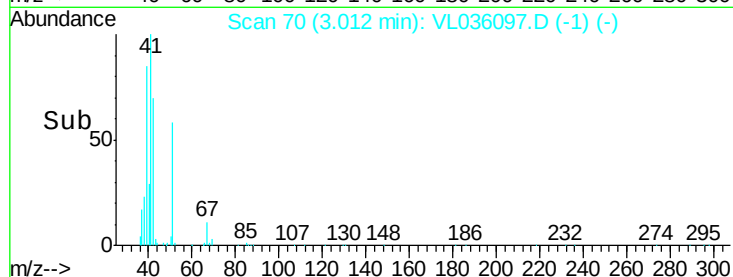
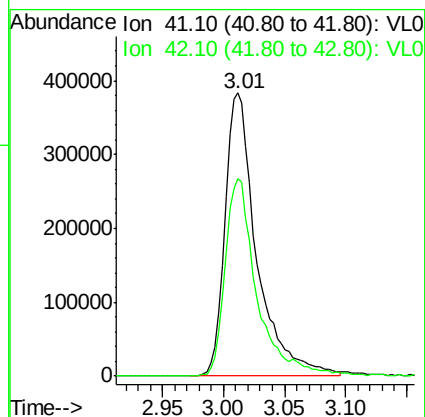
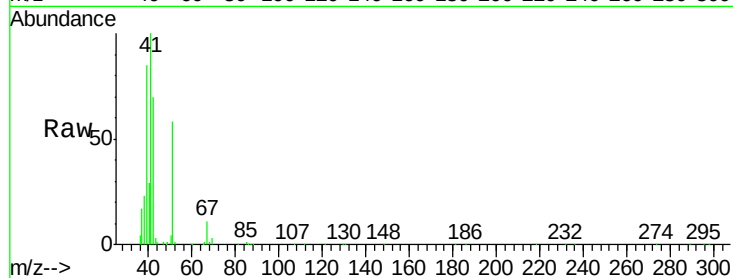
Ion Ratio Lower Upper

41 100

42 70.4 57.0 85.6

Manual Integrations
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#10

Heptane

Concen: 9.962 ppbv

RT: 8.14 min Scan# 1665

Delta R.T. -0.01 min

Lab File: VL036097.D

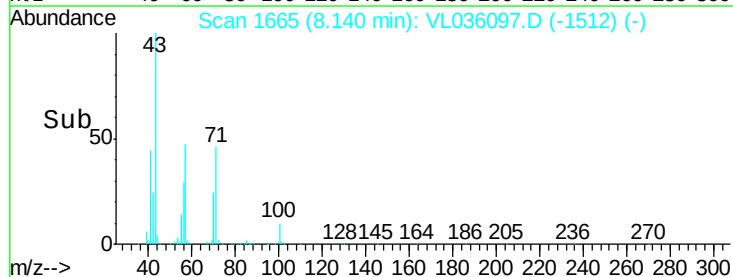
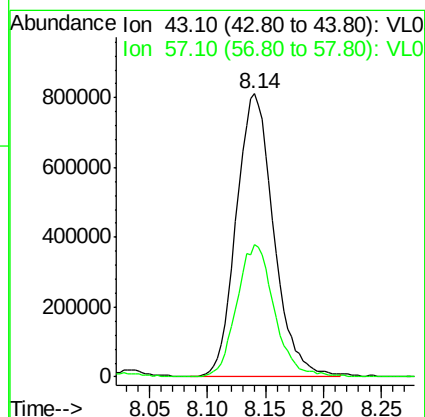
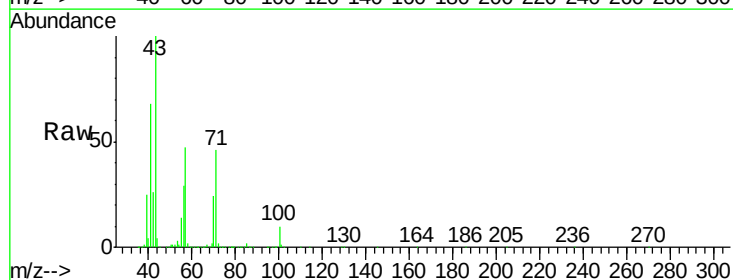
Acq: 8 Dec 2020 15:07

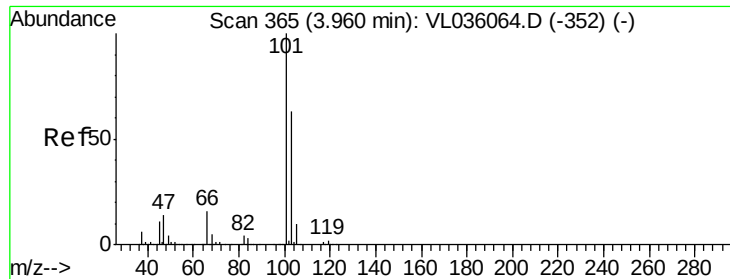
Tgt Ion: 43 Resp: 1808959

Ion Ratio Lower Upper

43 100

57 47.5 37.9 56.9





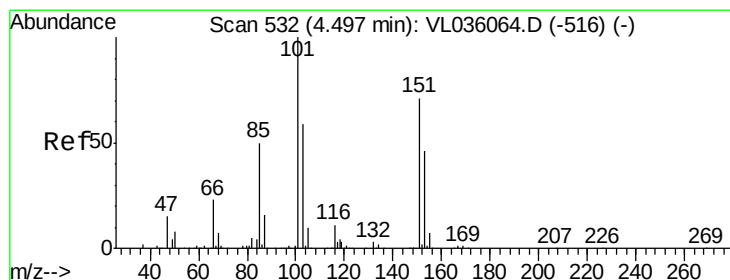
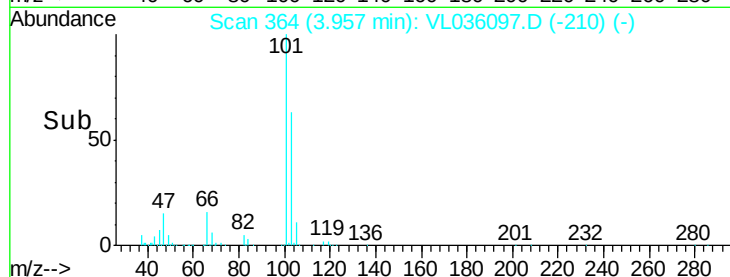
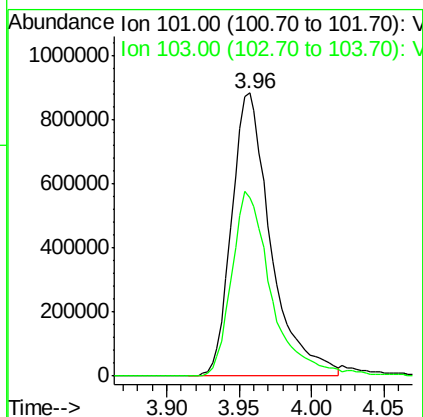
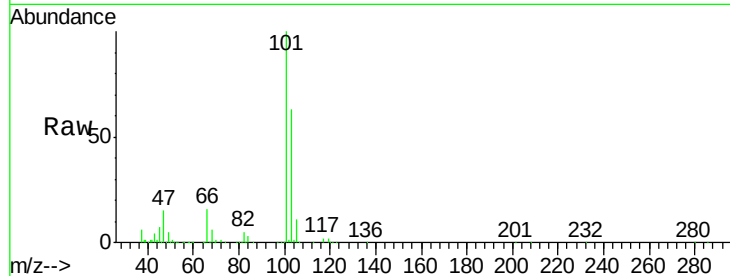
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 Trichlorofluoromethane
 Concen: 9.781 ppbv
 RT: 3.96 min Scan# 364
 Delta R.T. -0.00 min
 Lab File: VL036097.D
 Acq: 8 Dec 2020 15:07

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion:101 Resp: 1667097
 Ion Ratio Lower Upper
 101 100
 103 63.1 50.3 75.5

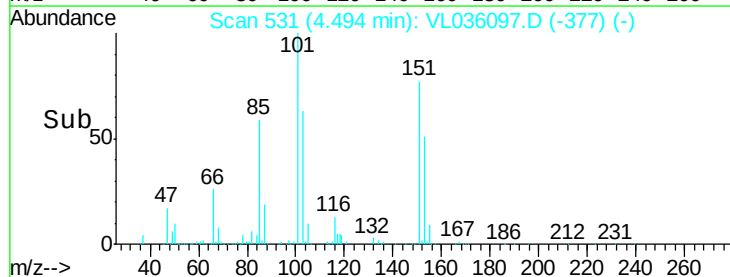
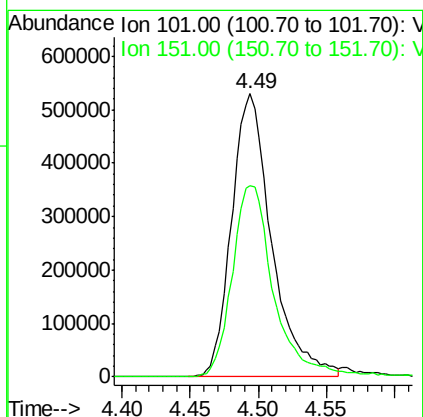
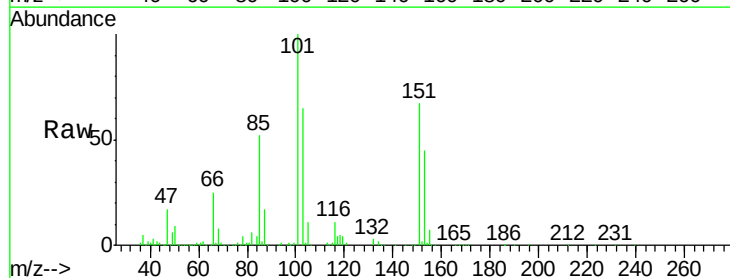
Manual Integrations
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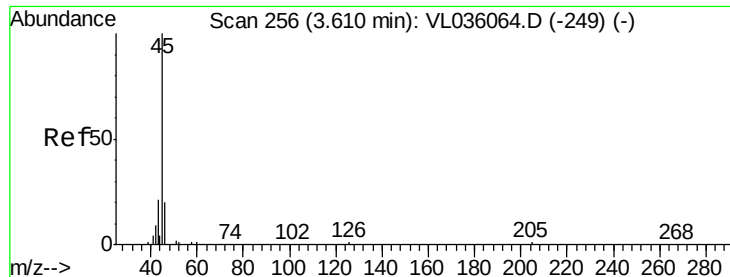
MMDadoda
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#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.365 ppbv
 RT: 4.49 min Scan# 531
 Delta R.T. -0.00 min
 Lab File: VL036097.D
 Acq: 8 Dec 2020 15:07

Tgt Ion:101 Resp: 1083961
 Ion Ratio Lower Upper
 101 100
 151 70.4 59.3 88.9





#13

Ethanol

Concen: 10.109 ppbv

RT: 3.61 min Scan# 256

Delta R.T. -0.00 min

Lab File: VL036097.D

Acq: 8 Dec 2020 15:07

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 45 Resp: 99077

Ion Ratio Lower Upper

45 100

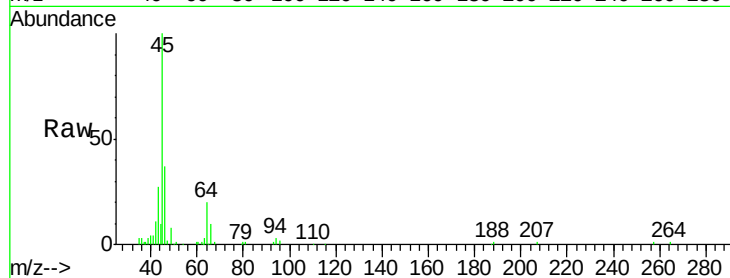
46 38.2 19.0 75.8

Manual Integrations

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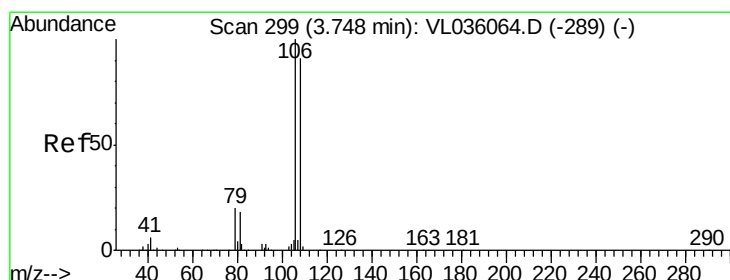
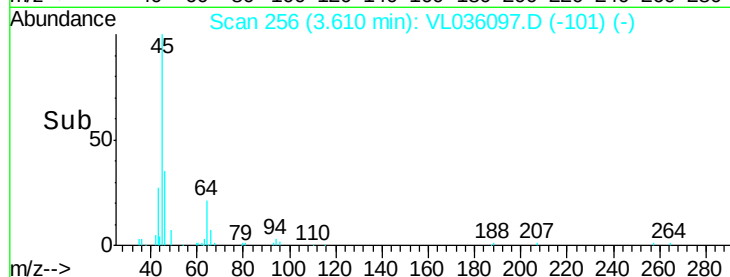
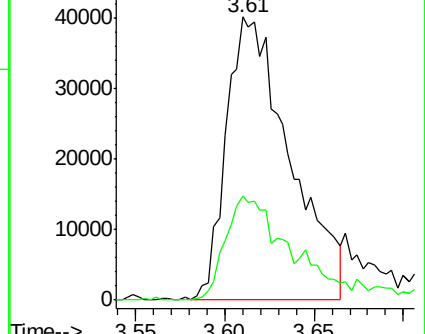
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Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0



#14

Bromoethene

Concen: 9.735 ppbv

RT: 3.74 min Scan# 298

Delta R.T. -0.00 min

Lab File: VL036097.D

Acq: 8 Dec 2020 15:07

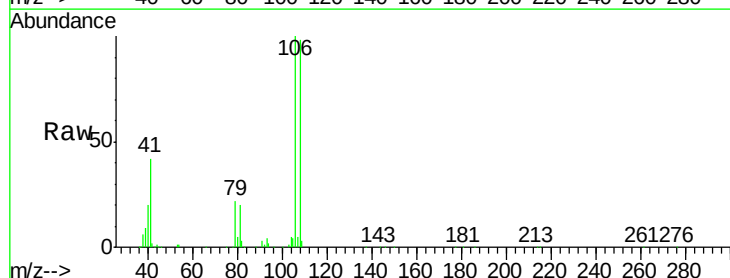
Tgt Ion: 108 Resp: 462295

Ion Ratio Lower Upper

108 100

106 111.0 91.0 136.4

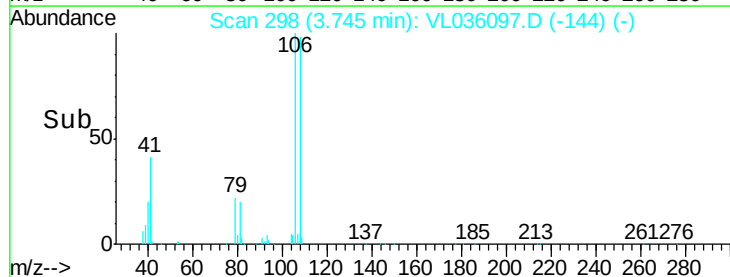
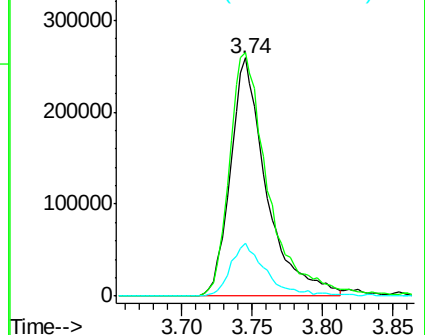
79 22.5 19.3 28.9

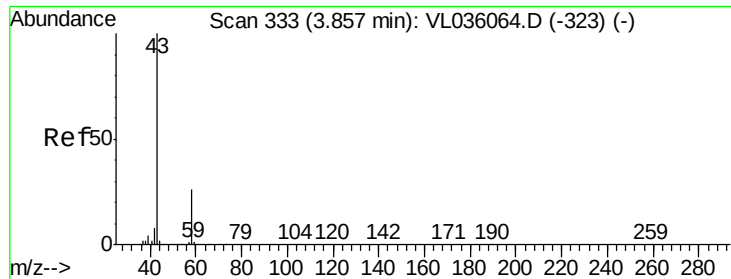


Abundance Ion 108.00 (107.70 to 108.70): V

Ion 106.00 (105.70 to 106.70): V

Ion 79.00 (78.70 to 79.70): VL0





#15

Acetone

Concen: 8.809 ppbv

RT: 3.86 min Scan# 333

Delta R.T. -0.00 min

Lab File: VL036097.D

Acq: 8 Dec 2020 15:07

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 43 Resp: 1316918

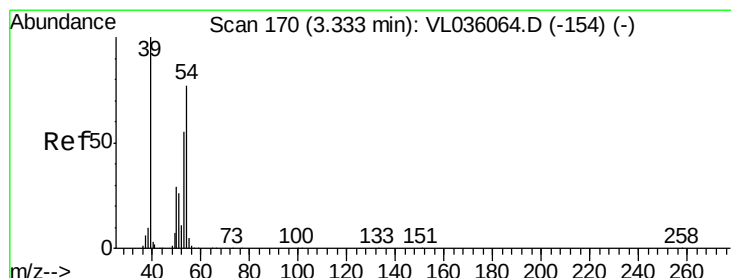
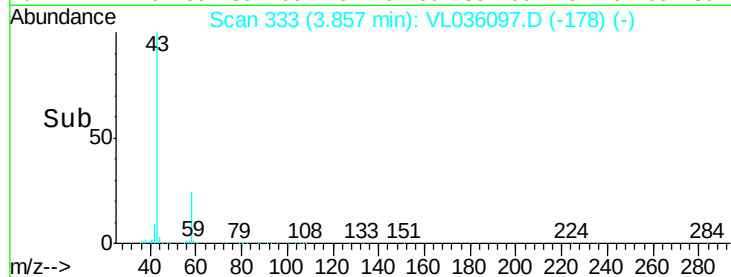
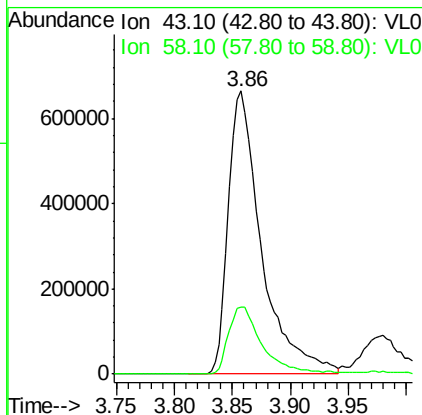
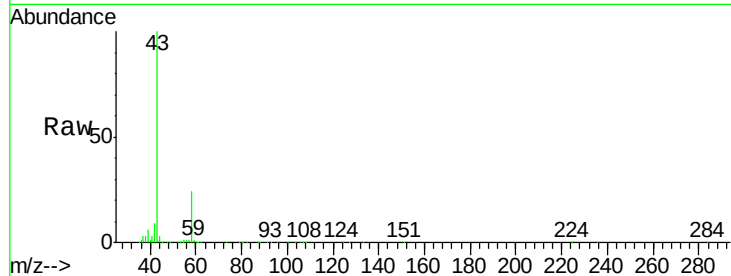
Ion Ratio Lower Upper

43 100

58 25.8 20.9 31.3

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#16

1,3-Butadiene

Concen: 9.243 ppbv

RT: 3.33 min Scan# 169

Delta R.T. -0.00 min

Lab File: VL036097.D

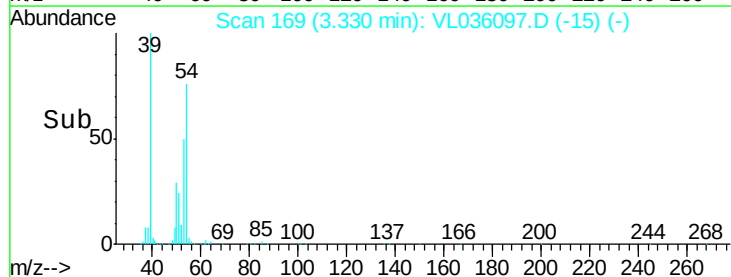
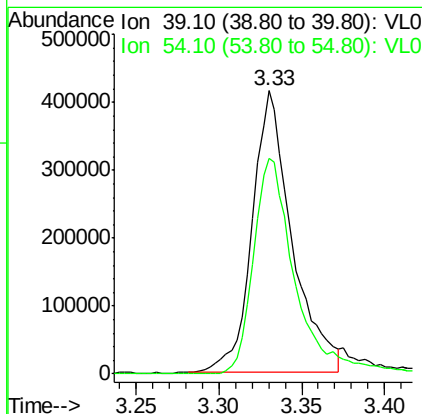
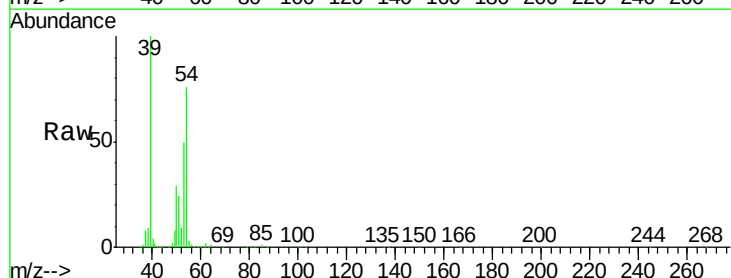
Acq: 8 Dec 2020 15:07

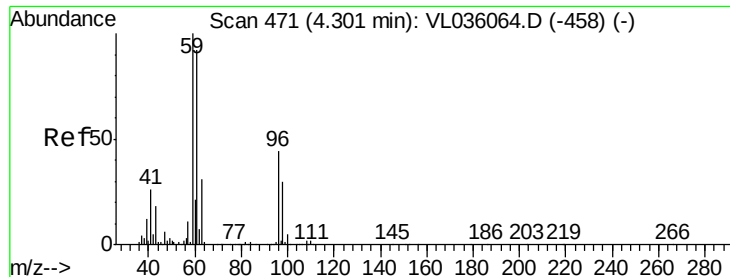
Tgt Ion: 39 Resp: 695955

Ion Ratio Lower Upper

39 100

54 80.9 62.1 93.1





#17

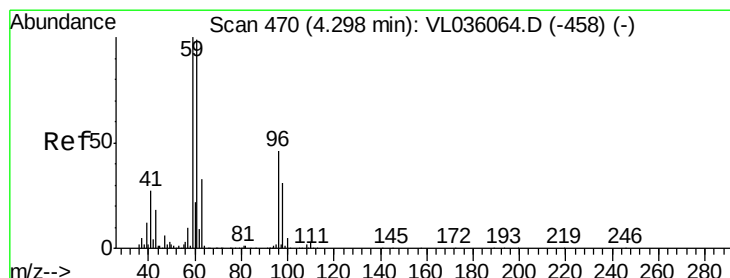
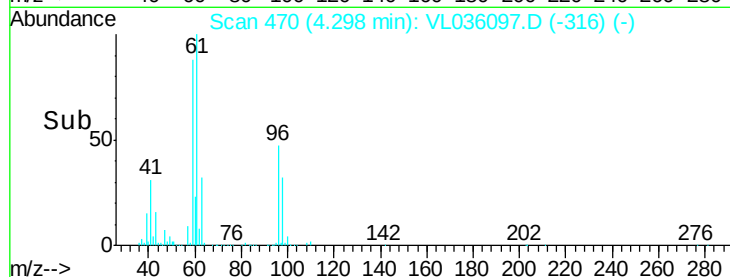
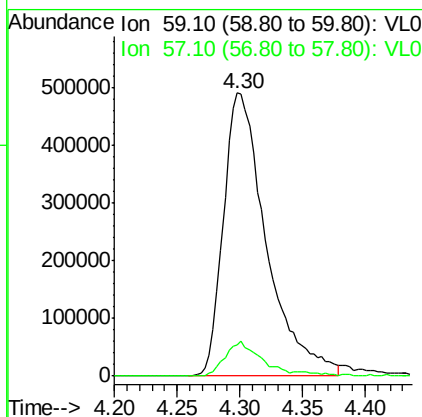
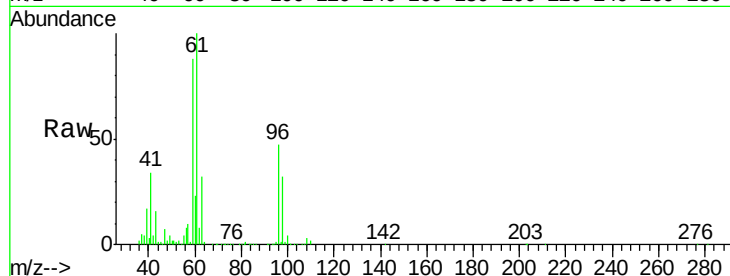
tert-Butyl alcohol
Concen: 8.052 ppbv
RT: 4.30 min Scan# 470
Delta R.T. -0.00 min
Lab File: VL036097.D
Acq: 8 Dec 2020 15:07

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 59 Resp: 1166029
Ion Ratio Lower Upper
59 100
57 11.4 8.7 13.1

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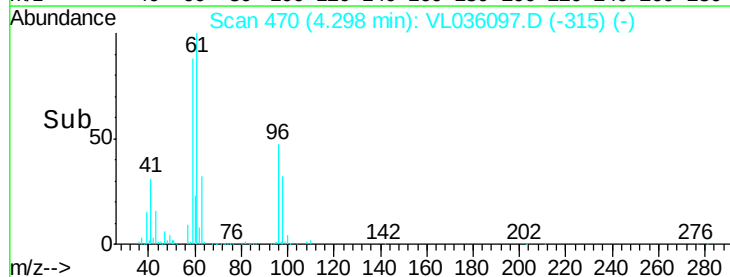
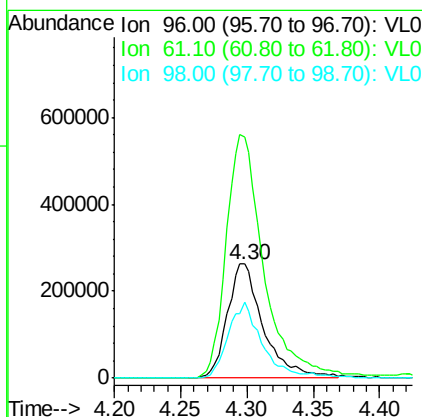
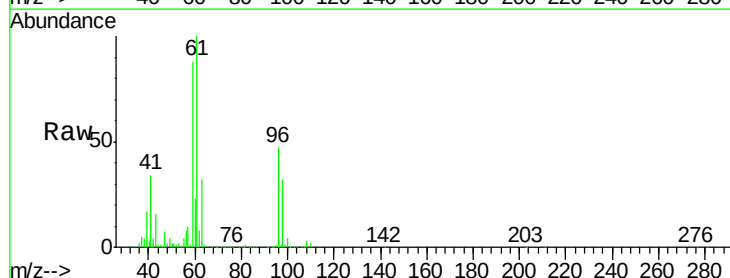
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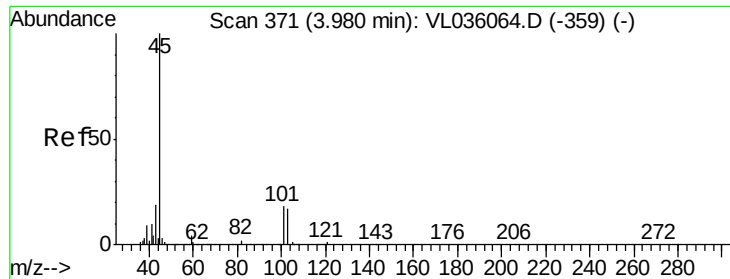


#18

1,1-Dichloroethene
Concen: 9.670 ppbv
RT: 4.30 min Scan# 470
Delta R.T. -0.00 min
Lab File: VL036097.D
Acq: 8 Dec 2020 15:07

Tgt Ion: 96 Resp: 496983
Ion Ratio Lower Upper
96 100
61 211.1 171.4 257.2
98 67.0 54.2 81.2





#19

Isopropyl Alcohol

Concen: 8.018 ppbv

RT: 3.98 min Scan# 370

Delta R.T. -0.00 min

Lab File: VL036097.D

Acq: 8 Dec 2020 15:07

Tot Ion: 45 Resp: 732622

Ion Ratio Lower Upper

45 100

58 1.8 0.0 0.0#

Instrument :

MSVOA_L

ClientSampleId :

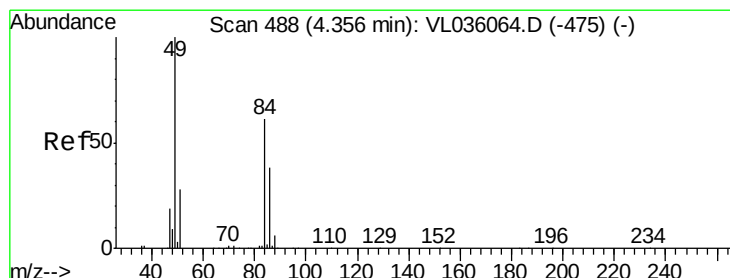
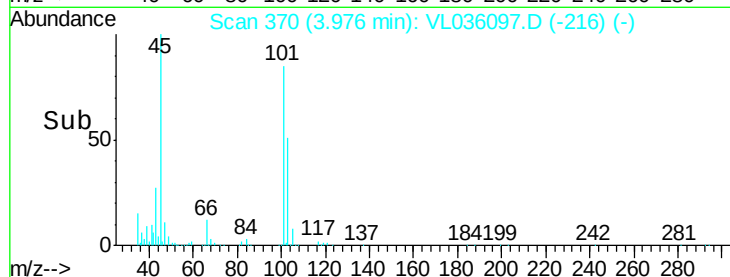
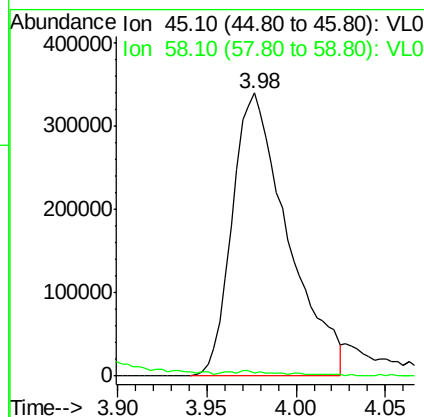
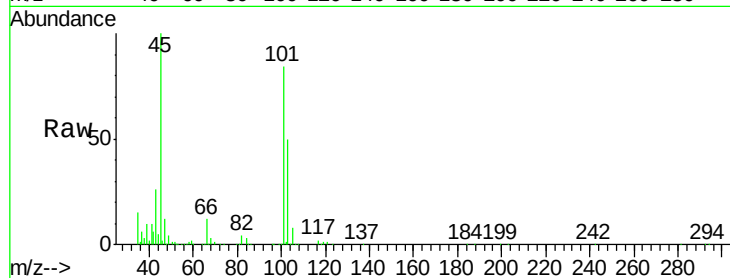
VSTDCCC010

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#20

Methylene Chloride

Concen: 7.178 ppbv

RT: 4.35 min Scan# 486

Delta R.T. -0.01 min

Lab File: VL036097.D

Acq: 8 Dec 2020 15:07

Tgt Ion: 84 Resp: 439722

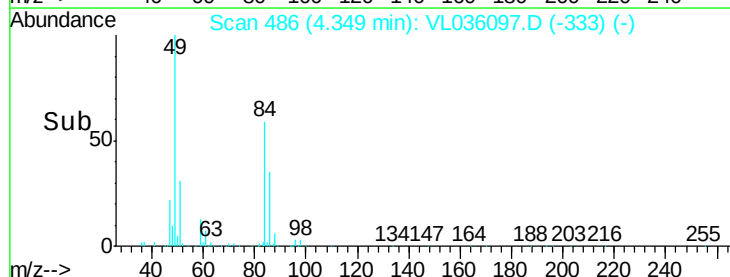
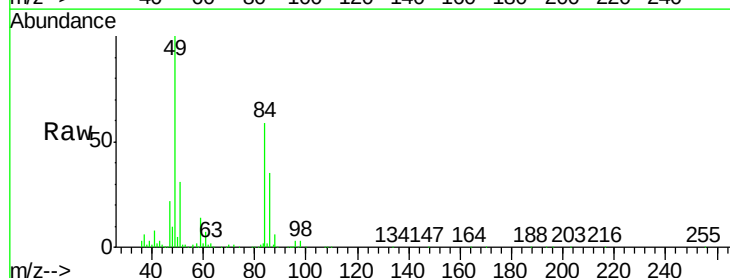
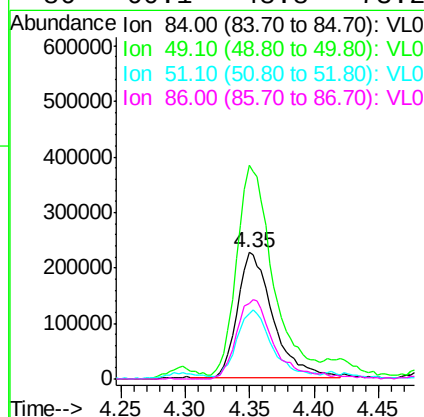
Ion Ratio Lower Upper

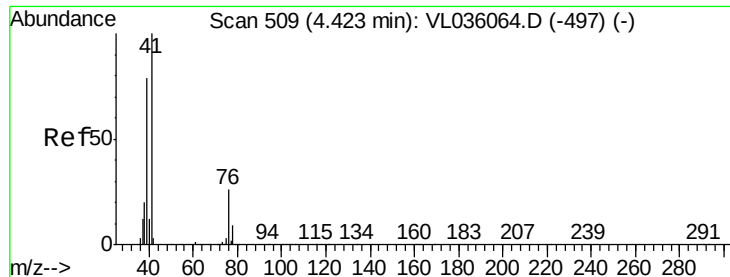
84 100

49 163.6 133.0 199.4

51 49.0 38.9 58.3

86 60.1 48.8 73.2





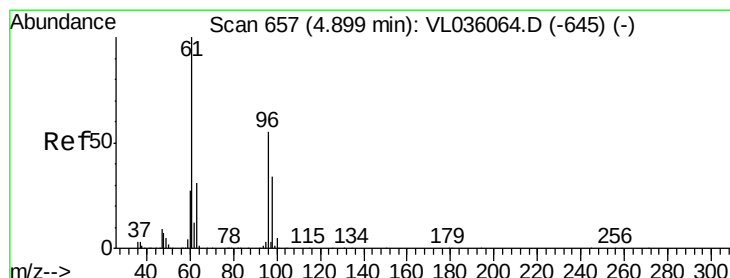
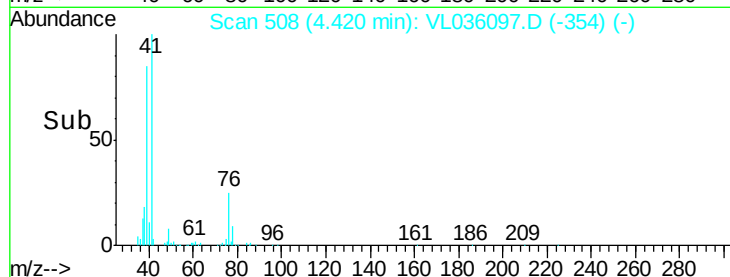
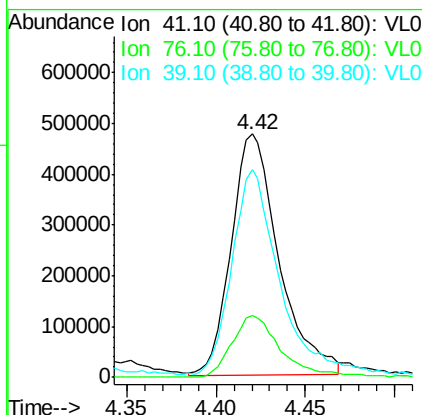
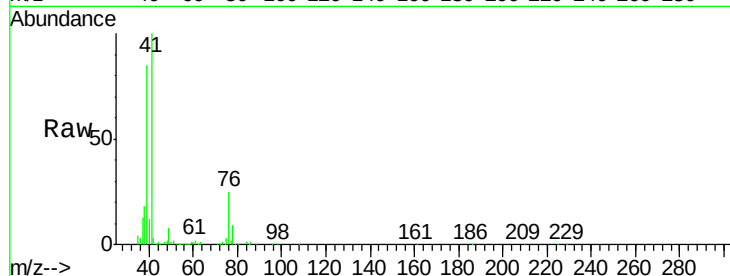
#21
Allvl Chloride
Concen: 8.874 ppbv
RT: 4.42 min Scan# 508
Delta R.T. -0.00 min
Lab File: VL036097.D
Acq: 8 Dec 2020 15:07

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
41	100		
76	26.7	21.0	31.4
39	88.1	66.0	99.0

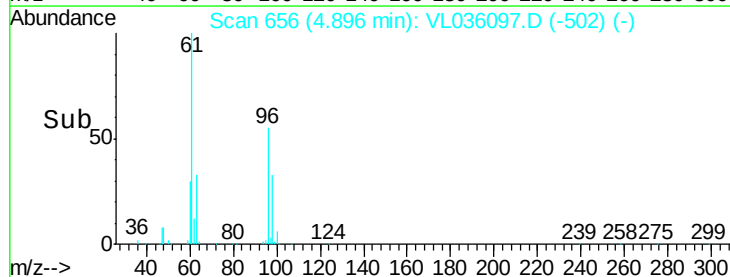
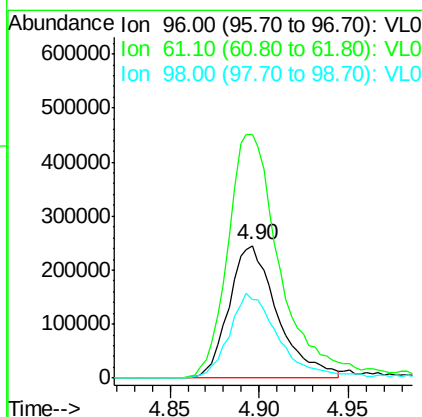
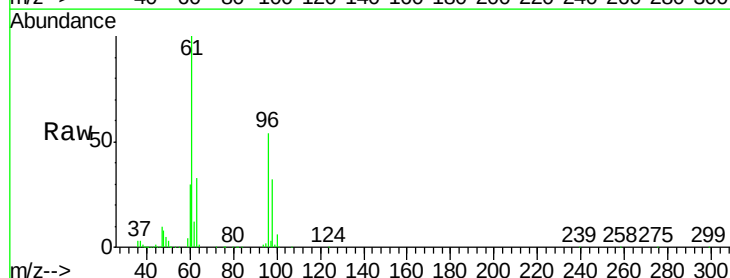
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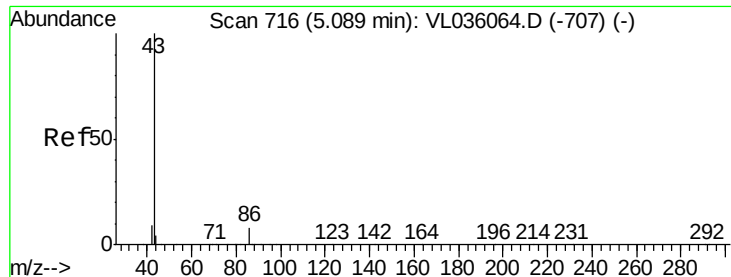
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#22
trans-1,2-Dichloroethene
Concen: 9.022 ppbv
RT: 4.90 min Scan# 656
Delta R.T. -0.00 min
Lab File: VL036097.D
Acq: 8 Dec 2020 15:07

Tgt Ion	Ratio	Lower	Upper
96	100		
61	182.7	145.7	218.5
98	59.6	49.2	73.8





#23

Vinyl Acetate

Concen: 8.957 ppbv

RT: 5.09 min Scan# 715

Delta R.T. -0.00 min

Lab File: VL036097.D

Acq: 8 Dec 2020 15:07

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 43 Resp: 1782854

Ion Ratio Lower Upper

43 100

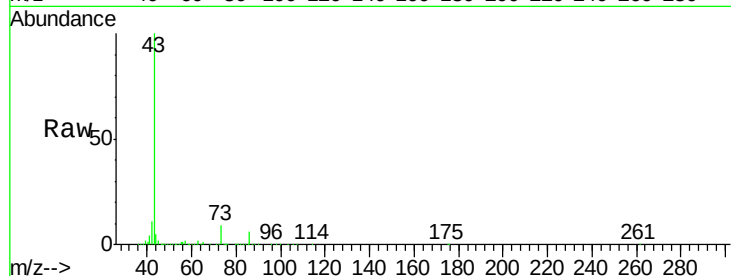
86 6.1 5.0 7.4

42 10.3 7.8 11.6

44 5.2 3.2 4.8#

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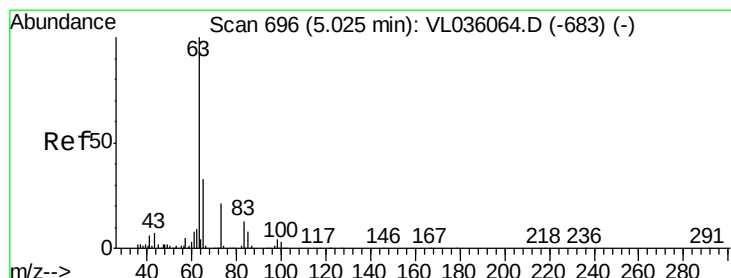
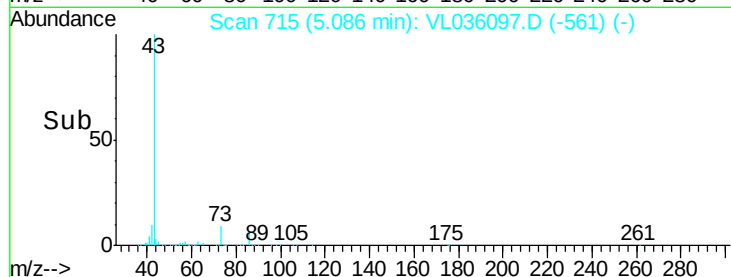
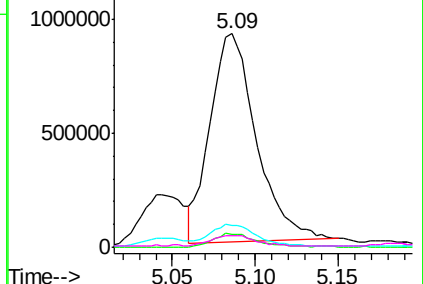


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 9.425 ppbv

RT: 5.02 min Scan# 695

Delta R.T. -0.00 min

Lab File: VL036097.D

Acq: 8 Dec 2020 15:07

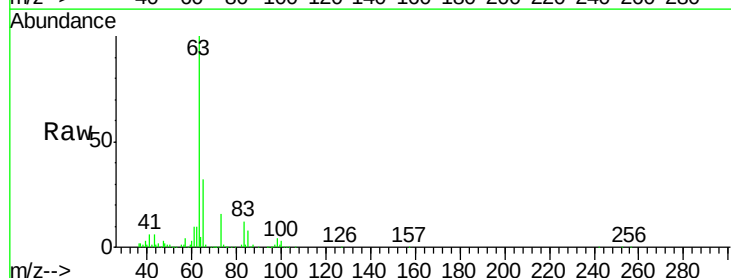
Tgt Ion: 63 Resp: 1319495

Ion Ratio Lower Upper

63 100

98 4.1 2.2 6.6

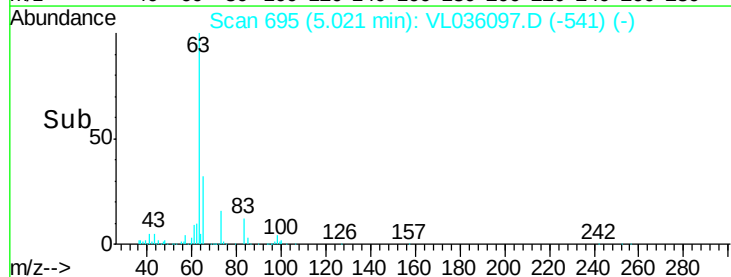
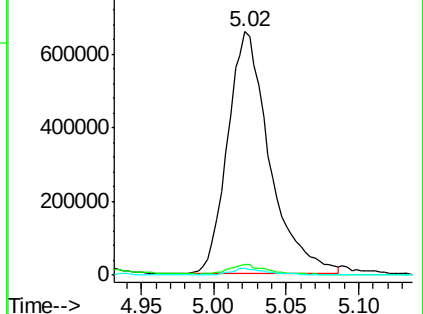
100 2.5 1.5 4.4

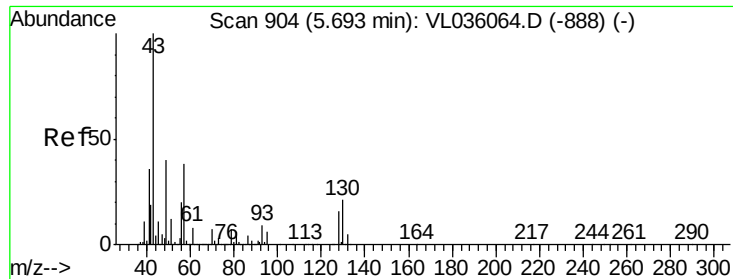


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0





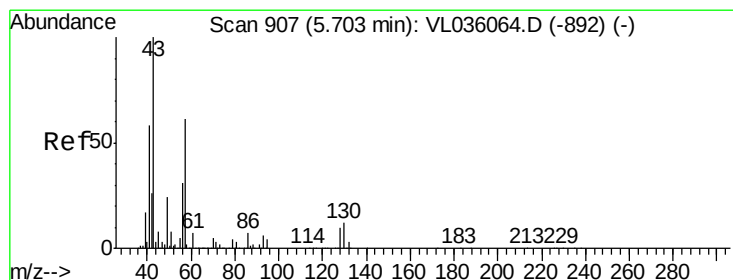
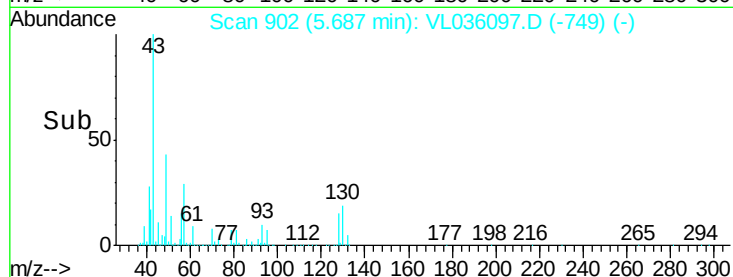
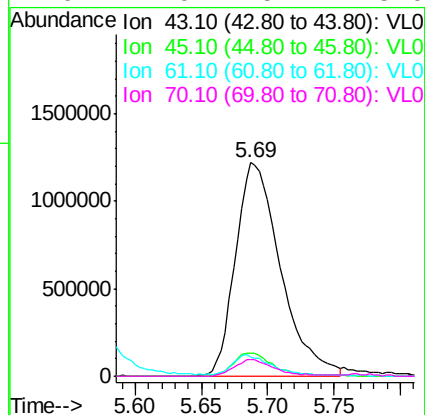
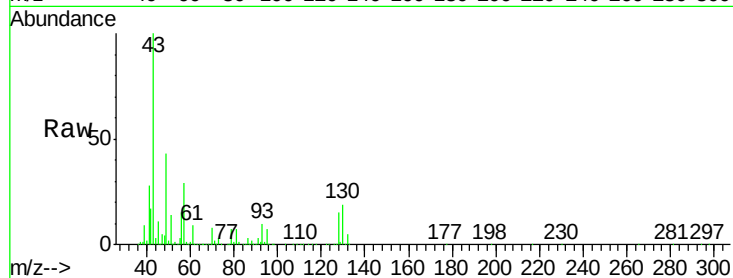
#25
Ethyl Acetate
Concen: 9.666 ppbv
RT: 5.69 min Scan# 902
Delta R.T. -0.01 min
Lab File: VL036097.D
Acq: 8 Dec 2020 15:07

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	43	Resp	2886959
Ion	Ratio	Lower	Upper
43	100		
45	10.1	8.2	12.4
61	9.7	7.4	11.2
70	7.0	5.4	8.0

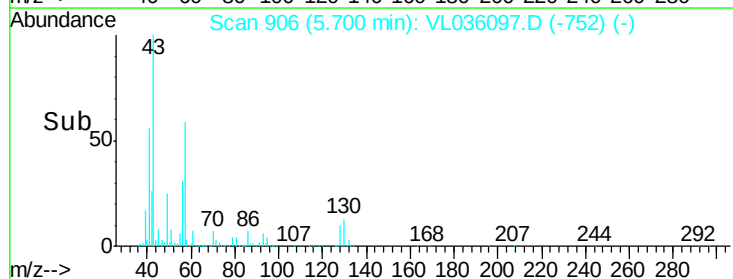
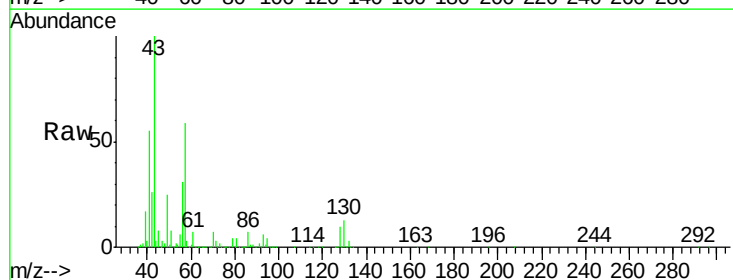
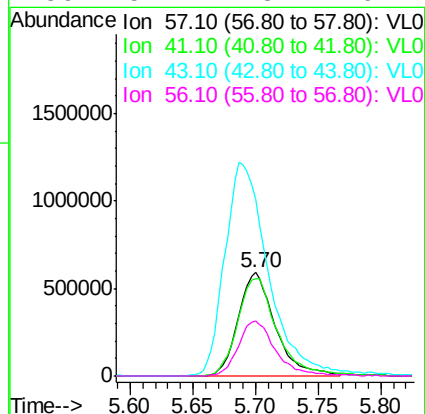
Manual Integrations
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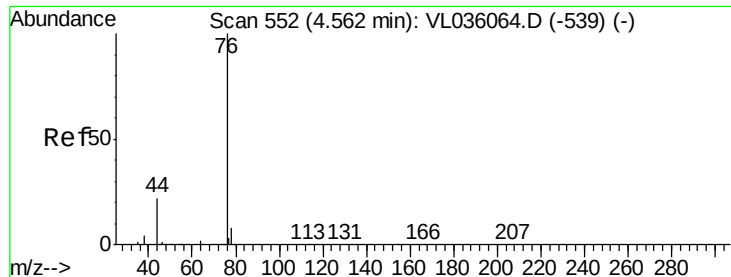
MMDadoda
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#26
Hexane
Concen: 9.052 ppbv
RT: 5.70 min Scan# 906
Delta R.T. -0.00 min
Lab File: VL036097.D
Acq: 8 Dec 2020 15:07

Tgt Ion	57	Resp	1216753
Ion	Ratio	Lower	Upper
57	100		
41	102.1	82.9	124.3
43	243.9	199.9	299.9
56	54.2	43.1	64.7





#27

Carbon Disulfide

Concen: 9.117 ppbv

RT: 4.56 min Scan# 551

Delta R.T. -0.00 min

Lab File: VL036097.D

Acq: 8 Dec 2020 15:07

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 76 Resp: 1217909

Ion Ratio Lower Upper

76 100

44 23.8 17.9 26.9

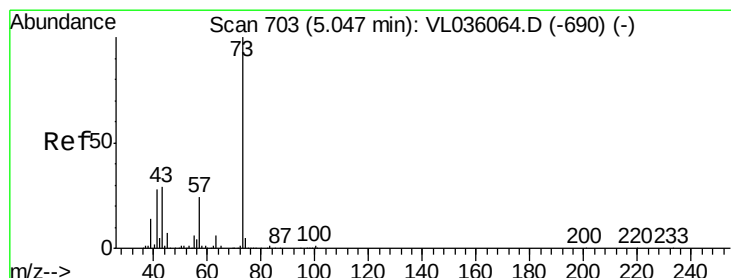
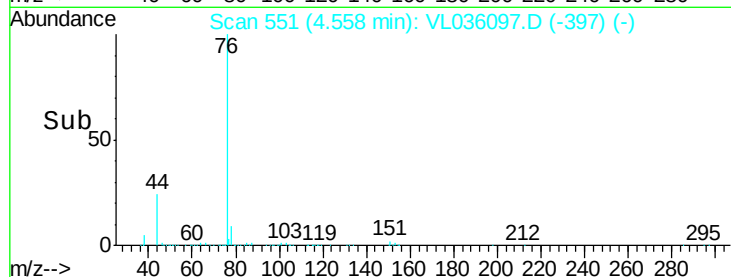
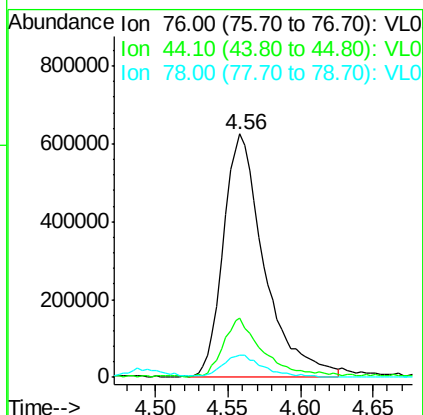
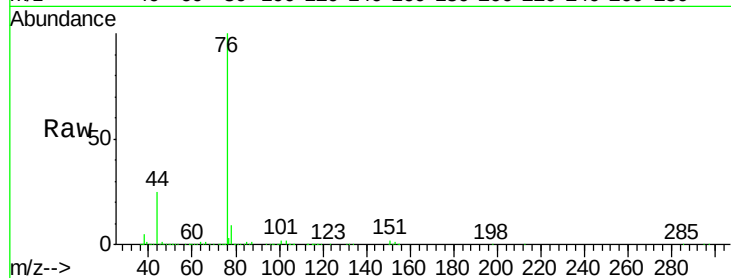
78 9.6 7.8 11.8

Manual Integrations

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#28

Methyl tert-Butyl Ether

Concen: 9.112 ppbv

RT: 5.04 min Scan# 702

Delta R.T. -0.00 min

Lab File: VL036097.D

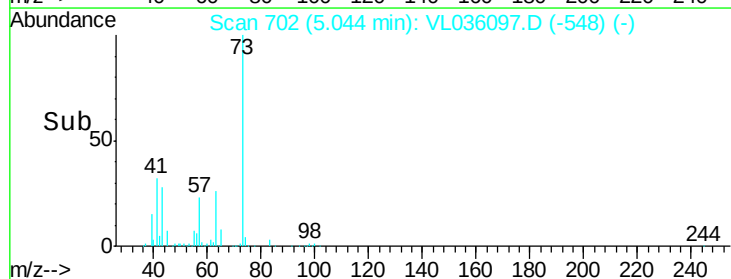
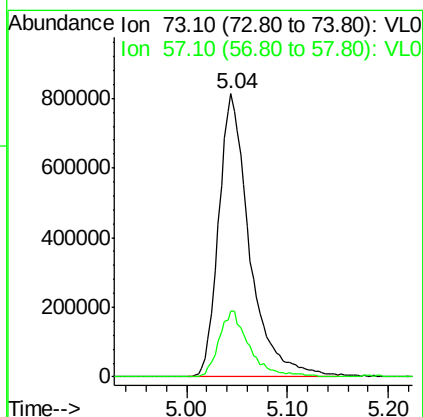
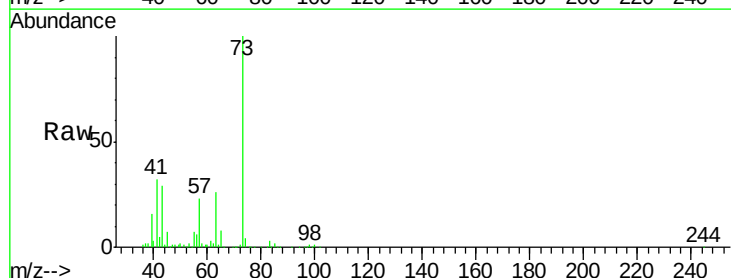
Acq: 8 Dec 2020 15:07

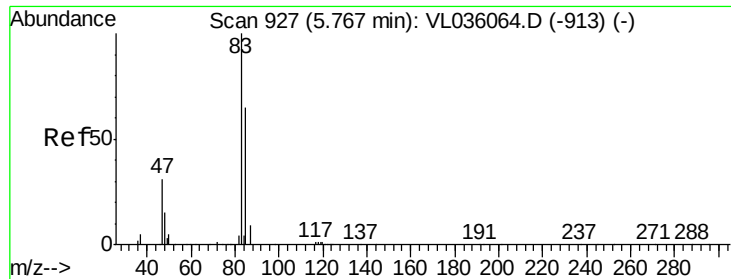
Tgt Ion: 73 Resp: 1741282

Ion Ratio Lower Upper

73 100

57 23.1 19.2 28.8





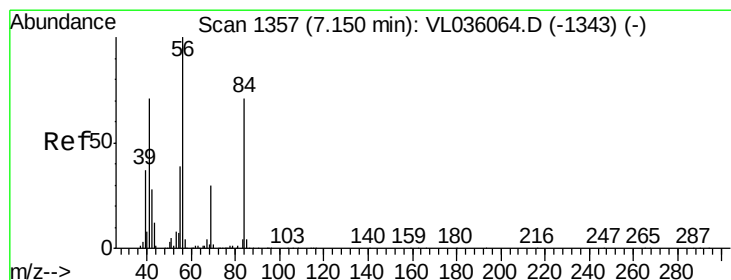
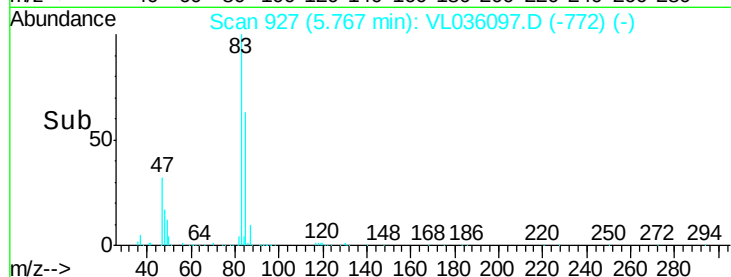
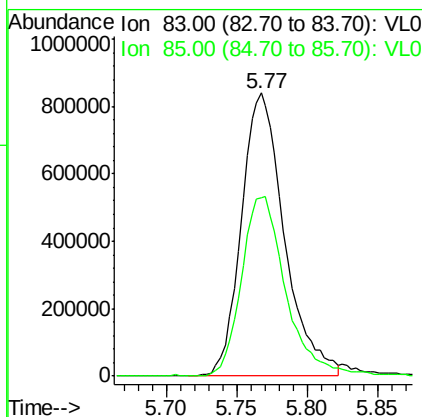
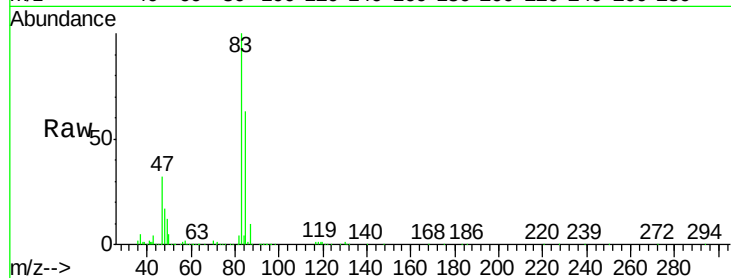
#29
Chloroform
Concen: 10.148 ppbv
RT: 5.77 min Scan# 927
Delta R.T. -0.00 min
Lab File: VL036097.D
Acq: 8 Dec 2020 15:07

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 83 Resp: 1791341
Ion Ratio Lower Upper
83 100
85 63.1 51.8 77.6

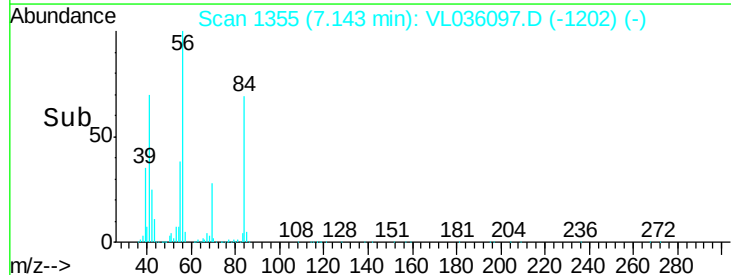
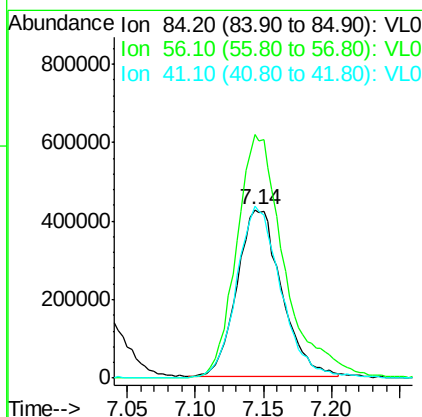
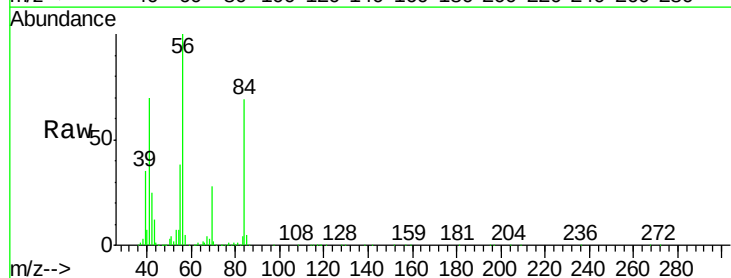
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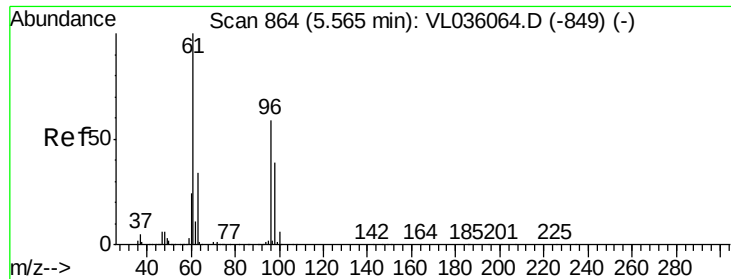
MMDadoda
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#30
Cyclohexane
Concen: 9.821 ppbv
RT: 7.14 min Scan# 1355
Delta R.T. -0.01 min
Lab File: VL036097.D
Acq: 8 Dec 2020 15:07

Tgt Ion: 84 Resp: 969739
Ion Ratio Lower Upper
84 100
56 156.7 128.0 192.0
41 103.1 81.3 121.9





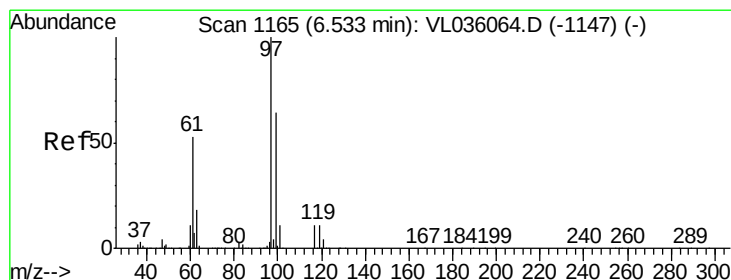
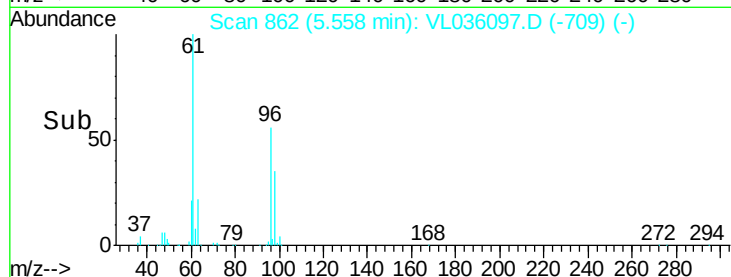
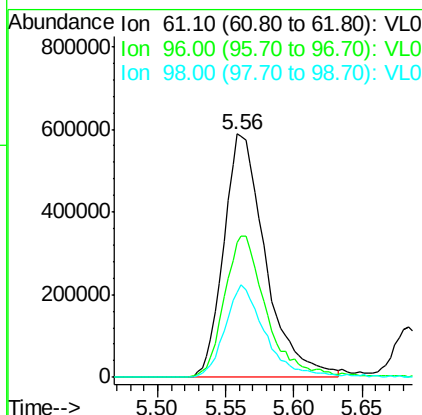
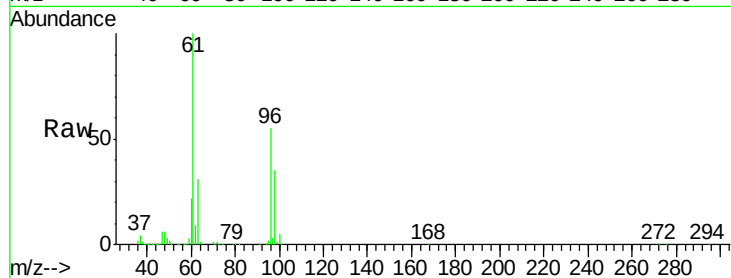
#31
 cis-1,2-Dichloroethene
 Concen: 10.164 ppbv
 RT: 5.56 min Scan# 862
 Delta R.T. -0.01 min
 Lab File: VL036097.D
 Acq: 8 Dec 2020 15:07

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion: 61 Resp: 1241908
 Ion Ratio Lower Upper
 61 100
 96 55.4 47.3 70.9
 98 34.9 31.4 47.0

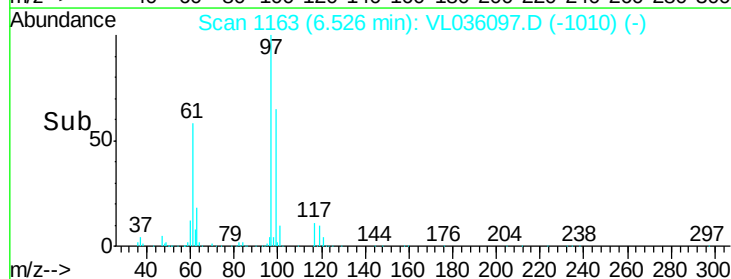
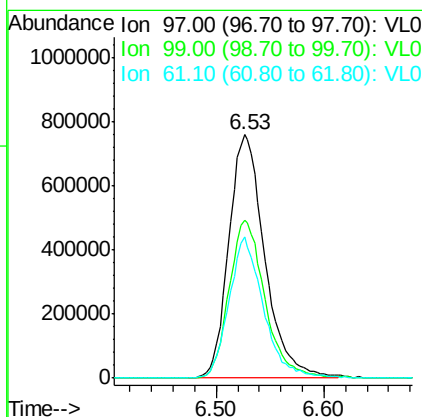
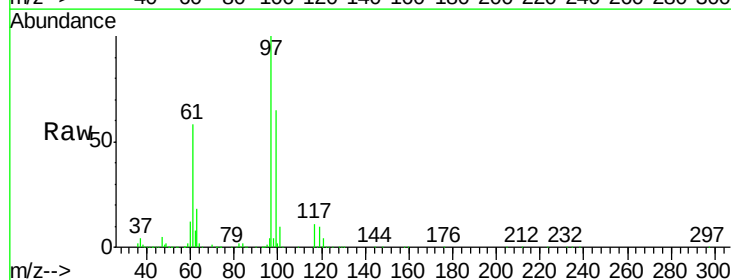
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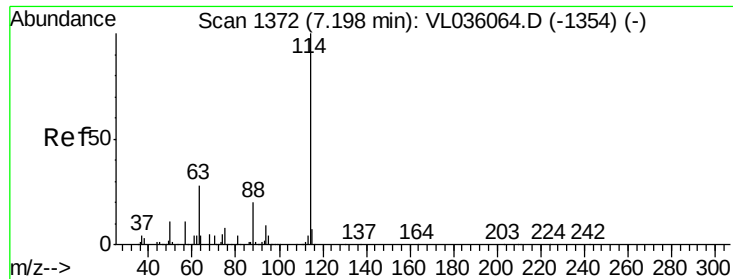
MMDadoda
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#32
 1,1,1-Trichloroethane
 Concen: 9.705 ppbv
 RT: 6.53 min Scan# 1163
 Delta R.T. -0.01 min
 Lab File: VL036097.D
 Acq: 8 Dec 2020 15:07

Tgt Ion: 97 Resp: 1767638
 Ion Ratio Lower Upper
 97 100
 99 64.9 52.4 78.6
 61 55.8 43.4 65.0





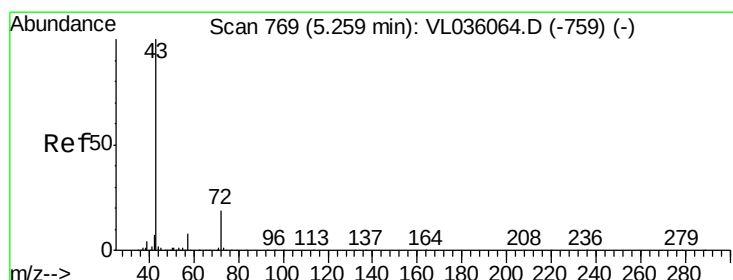
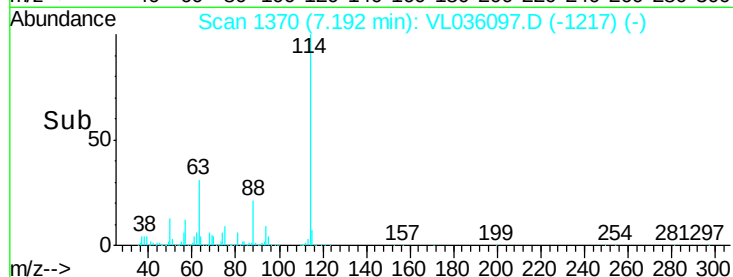
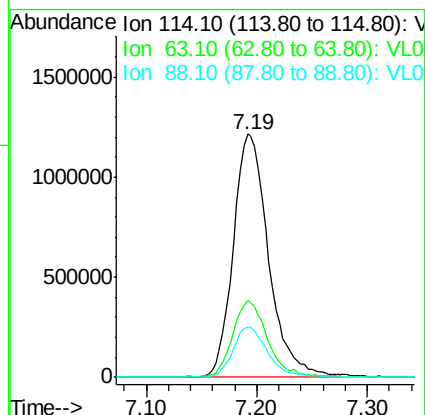
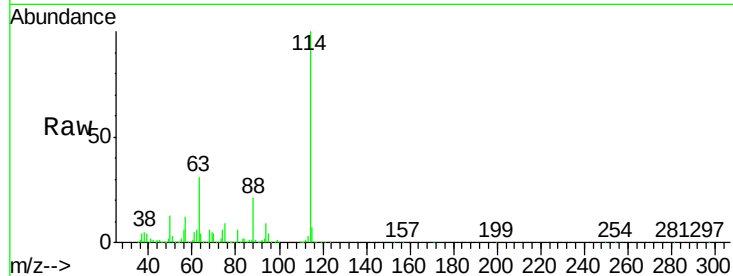
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.19 min Scan# 1370
 Delta R.T. -0.01 min
 Lab File: VL036097.D
 Acq: 8 Dec 2020 15:07

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion	Ratio	Lower	Upper
114	100		
63	31.9	23.6	35.4
88	20.8	15.8	23.6

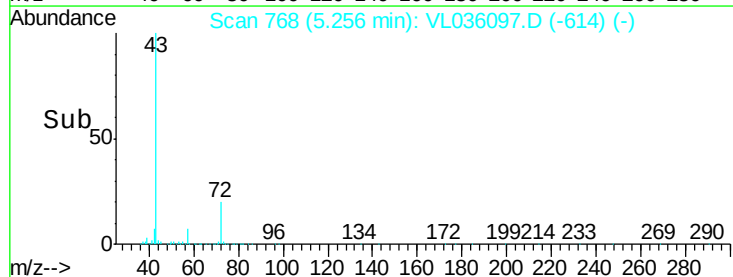
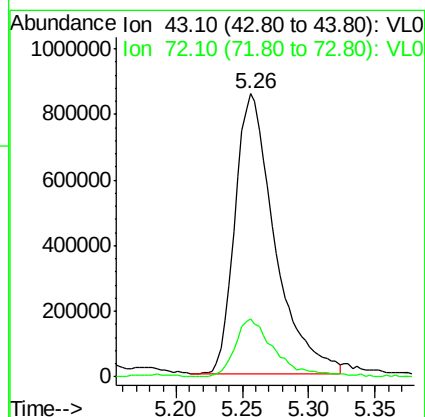
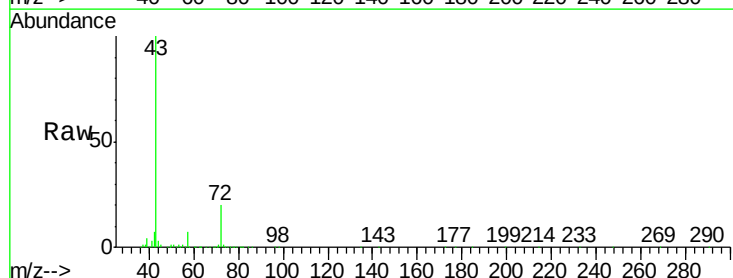
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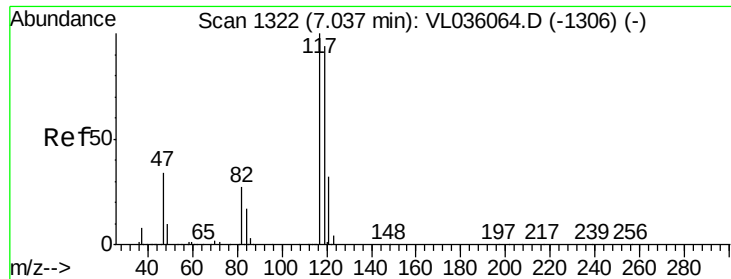
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#34
 2-Butanone
 Concen: 10.024 ppbv
 RT: 5.26 min Scan# 768
 Delta R.T. -0.00 min
 Lab File: VL036097.D
 Acq: 8 Dec 2020 15:07

Tgt Ion	Ratio	Lower	Upper
43	100		
72	20.7	16.5	24.7





#35

Carbon Tetrachloride

Concen: 10.824 ppbv

RT: 7.03 min Scan# 1320

Delta R.T. -0.01 min

Lab File: VL036097.D

Acq: 8 Dec 2020 15:07

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion:117 Resp: 1702159

Ion Ratio Lower Upper

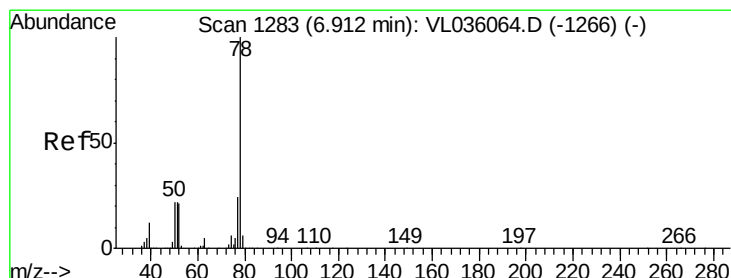
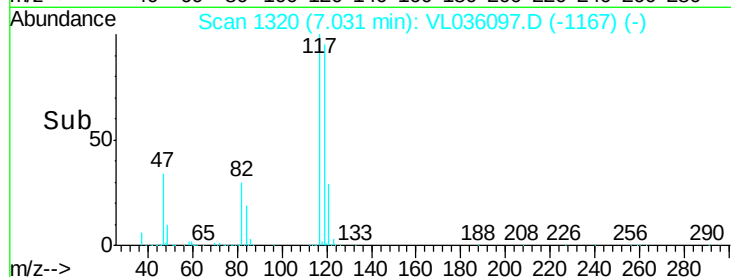
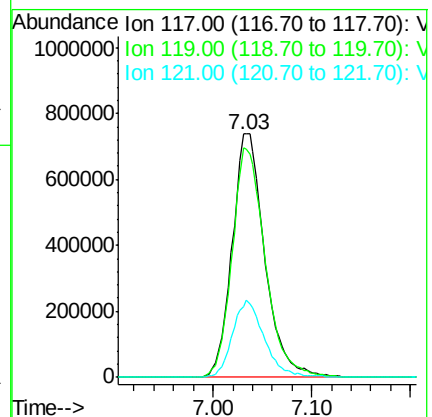
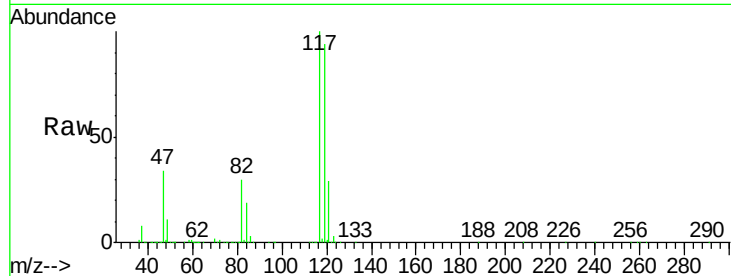
117 100

119 94.3 75.1 112.7

121 28.8 25.6 38.4

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#36

Benzene

Concen: 10.698 ppbv

RT: 6.91 min Scan# 1282

Delta R.T. -0.00 min

Lab File: VL036097.D

Acq: 8 Dec 2020 15:07

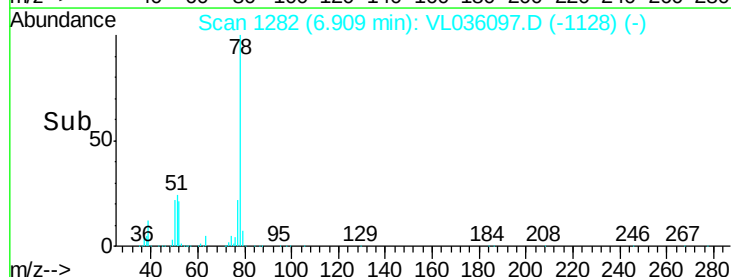
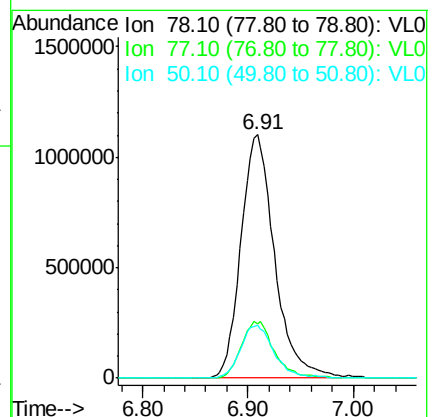
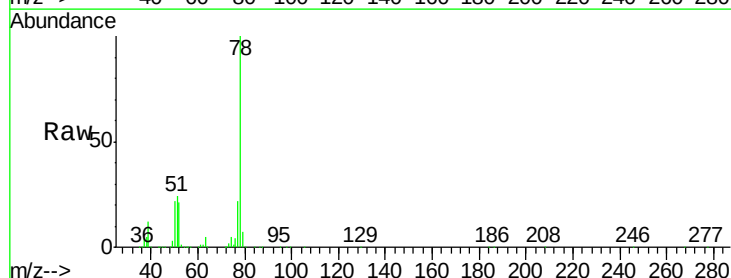
Tgt Ion: 78 Resp: 2445023

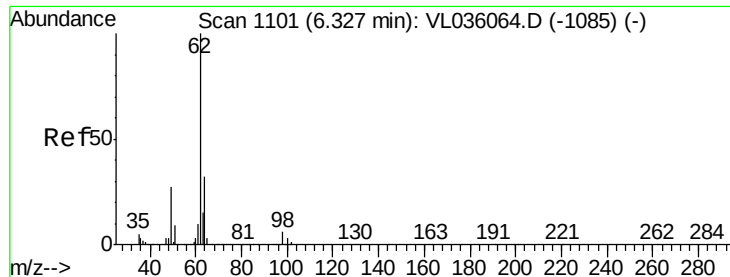
Ion Ratio Lower Upper

78 100

77 22.2 19.4 29.2

50 21.6 17.8 26.8





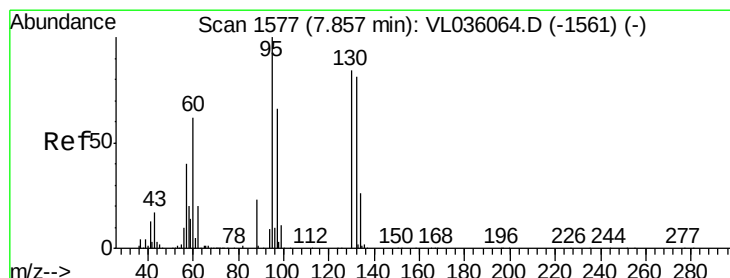
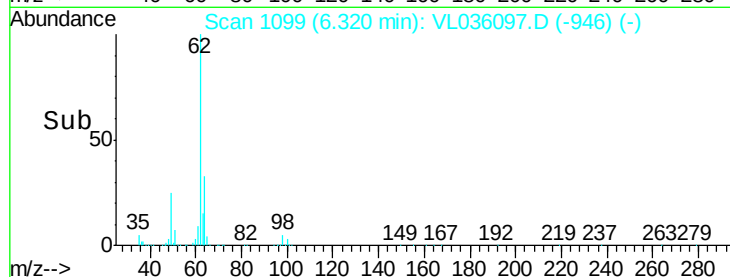
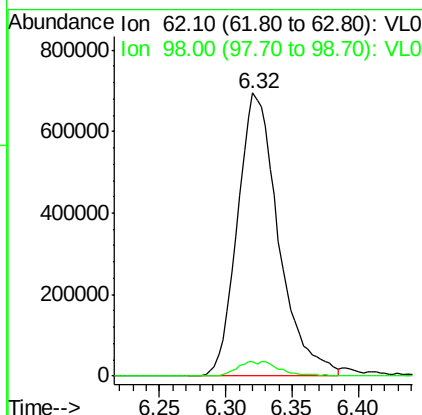
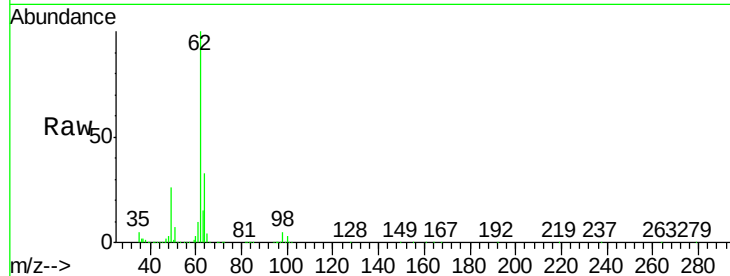
#37
 1,2-Dichloroethane
 Concen: 11.309 ppbv
 RT: 6.32 min Scan# 1099
 Delta R.T. -0.01 min
 Lab File: VL036097.D
 Acq: 8 Dec 2020 15:07

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion: 62 Resp: 1497749
 Ion Ratio Lower Upper
 62 100
 98 5.5 4.6 7.0

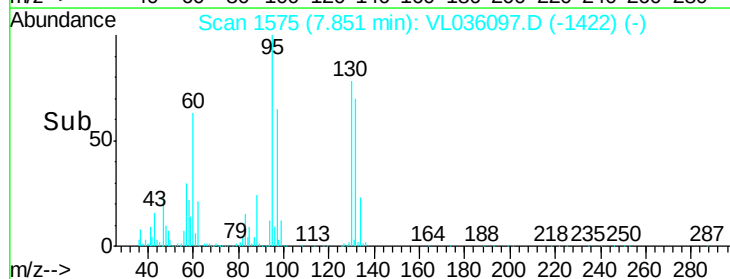
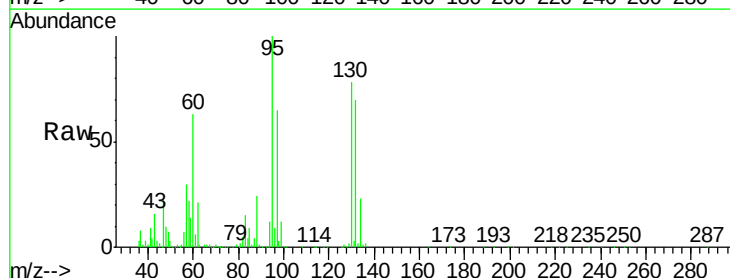
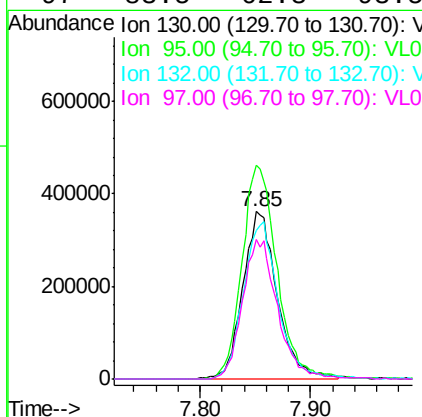
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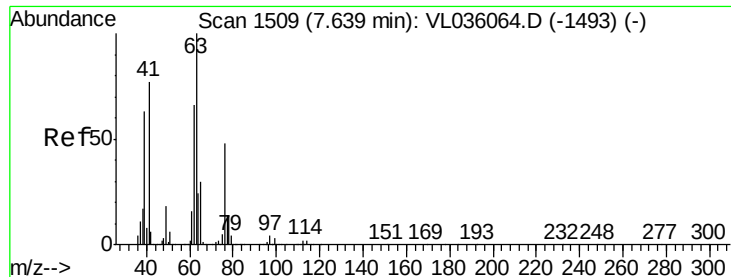
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#38
 Trichloroethene
 Concen: 9.034 ppbv
 RT: 7.85 min Scan# 1575
 Delta R.T. -0.01 min
 Lab File: VL036097.D
 Acq: 8 Dec 2020 15:07

Tgt Ion:130 Resp: 771780
 Ion Ratio Lower Upper
 130 100
 95 127.8 95.2 142.8
 132 89.2 76.9 115.3
 97 83.5 62.3 93.5





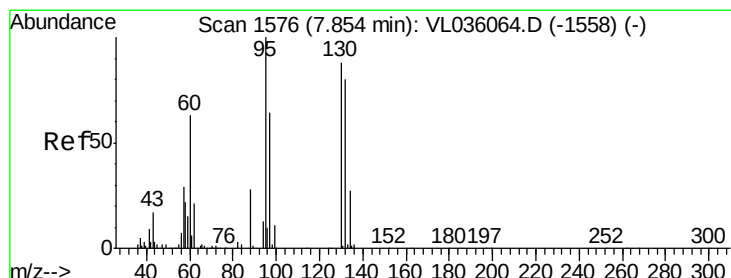
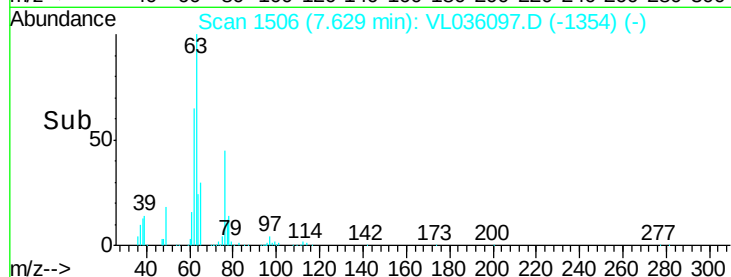
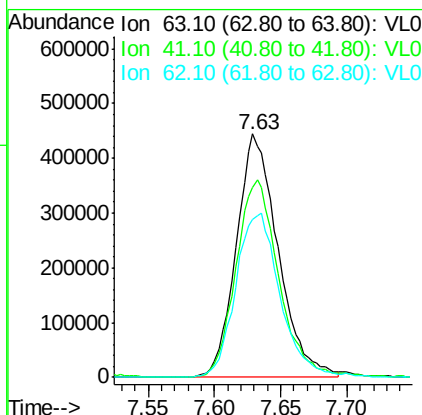
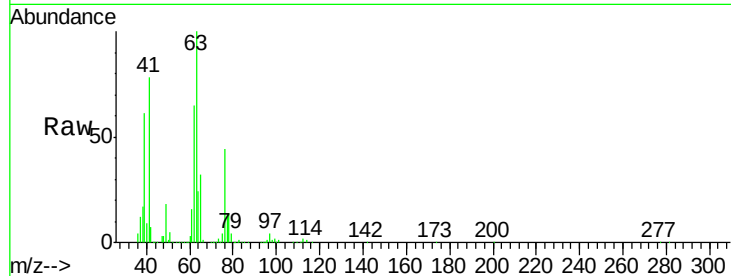
#39
 1,2-Dichloropropane
 Concen: 10.772 ppbv
 RT: 7.63 min Scan# 1506
 Delta R.T. -0.01 min
 Lab File: VL036097.D
 Acq: 8 Dec 2020 15:07

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion:	63	Resp:	972279
Ion Ratio	Lower	Upper	
63	100		
41	77.8	61.9	92.9
62	65.0	52.5	78.7

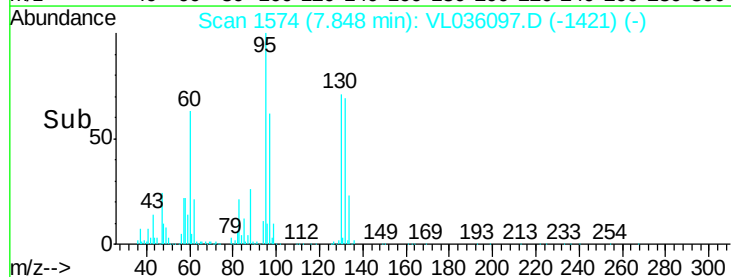
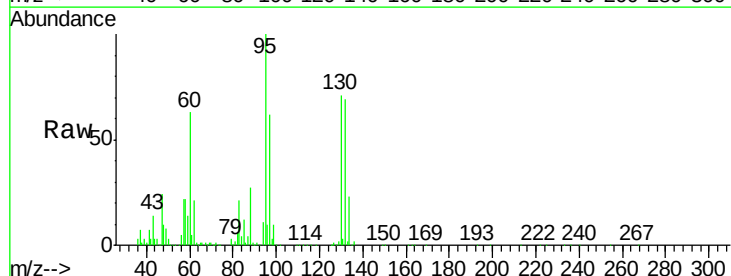
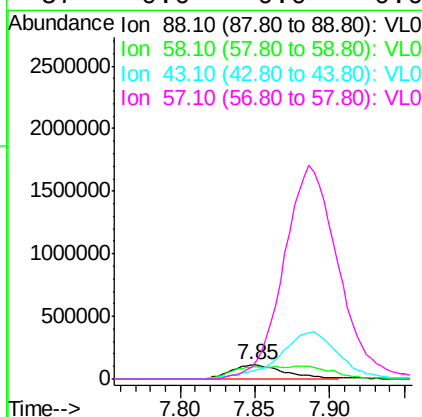
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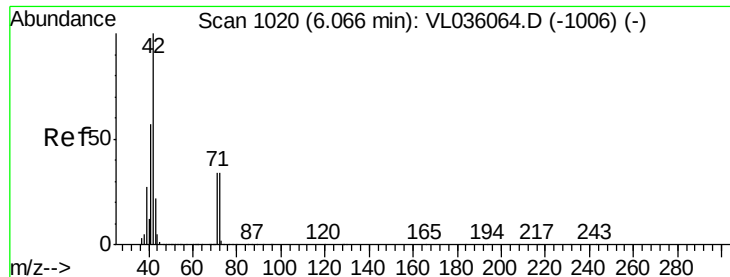
MMDadoda
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#40
 1,4-Dioxane
 Concen: 10.081 ppbv
 RT: 7.85 min Scan# 1574
 Delta R.T. -0.01 min
 Lab File: VL036097.D
 Acq: 8 Dec 2020 15:07

Tgt Ion:	88	Resp:	286188
Ion Ratio	Lower	Upper	
88	100		
58	0.0	122.6	184.0#
43	0.0	0.0	0.0
57	0.0	0.0	0.0





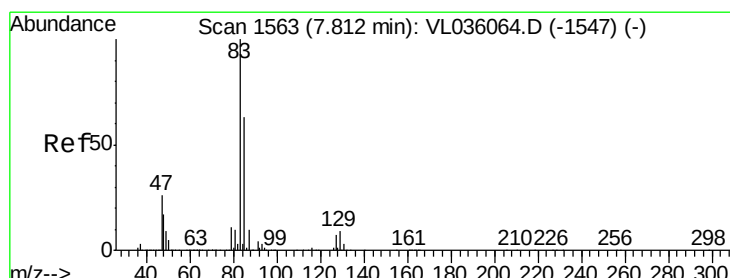
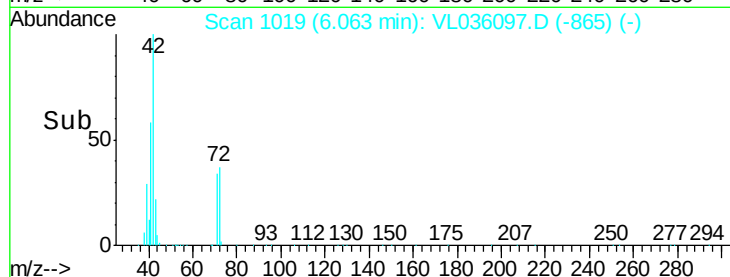
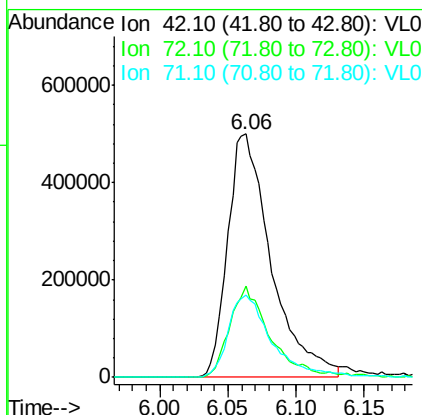
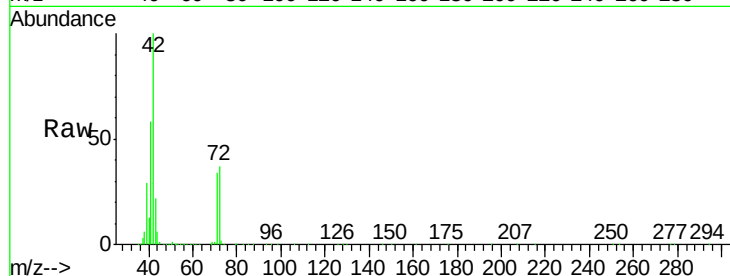
#41
Tetrahydrofuran
Concen: 10.429 ppbv
RT: 6.06 min Scan# 1019
Delta R.T. -0.00 min
Lab File: VL036097.D
Acq: 8 Dec 2020 15:07

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
42	100		
72	35.9	28.3	42.5
71	34.5	27.3	40.9

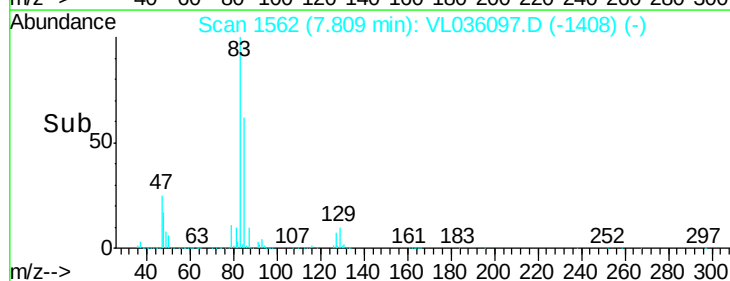
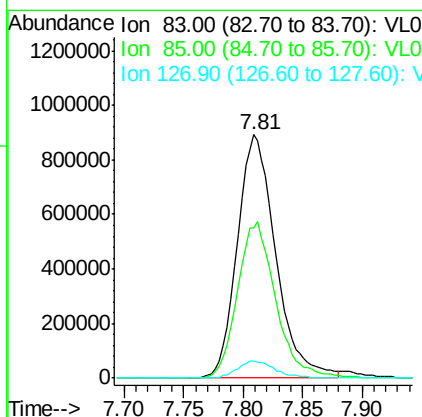
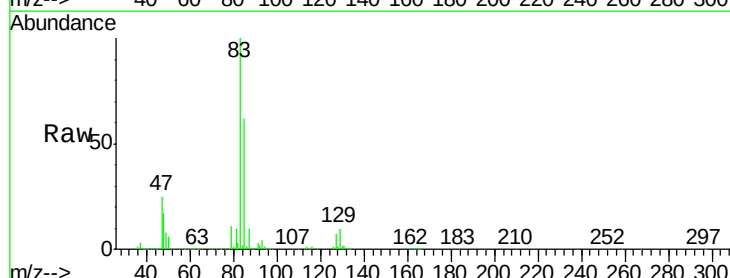
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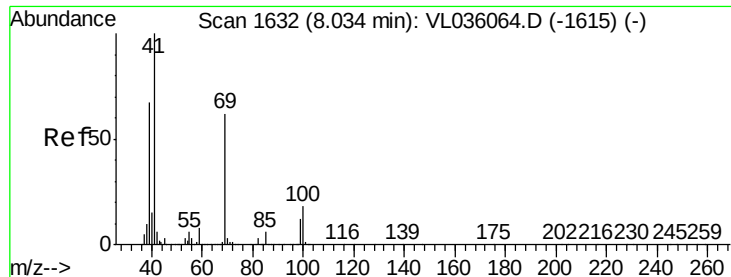
MMDadoda
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#42
Bromodichloromethane
Concen: 11.321 ppbv
RT: 7.81 min Scan# 1562
Delta R.T. -0.00 min
Lab File: VL036097.D
Acq: 8 Dec 2020 15:07

Tgt Ion	Ratio	Lower	Upper
83	100		
85	61.6	50.2	75.2
127	6.8	5.5	8.3





#43

Methyl Methacrylate

Concen: 11.143 ppbv

RT: 8.03 min Scan# 1631

Delta R.T. -0.00 min

Lab File: VL036097.D

Acq: 8 Dec 2020 15:07

Instrument :
MSVOA_L

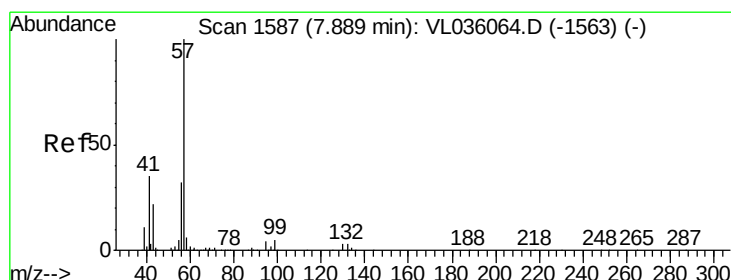
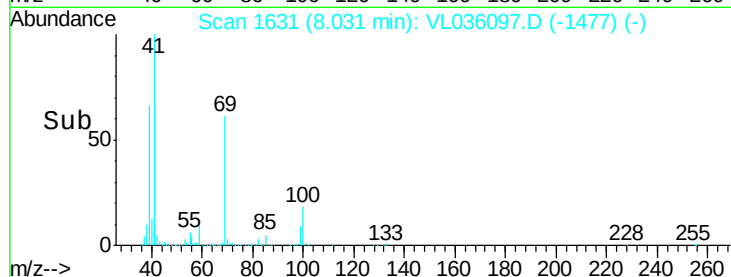
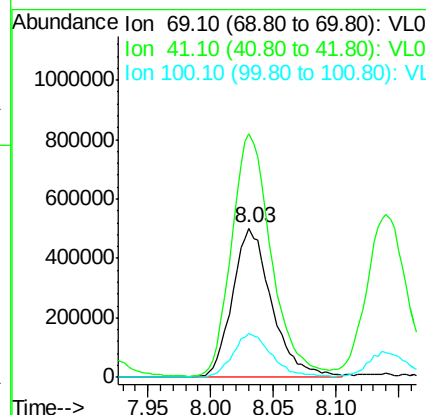
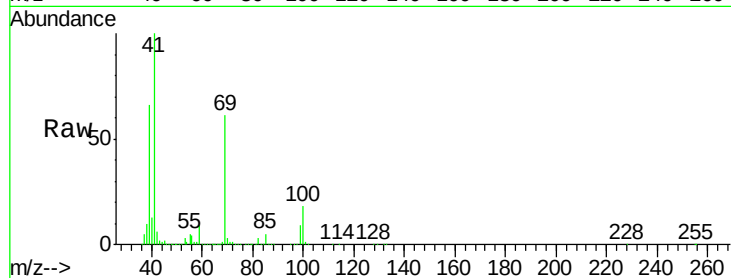
ClientSampleId :
VSTDCCC010

Tot Ion: 69 Resp: 1092592

Ion	Ratio	Lower	Upper
69	100		
41	165.5	133.0	199.6
100	29.3	25.4	38.0

Manual Integrations
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#44

2,2,4-Trimethylpentane

Concen: 10.488 ppbv

RT: 7.89 min Scan# 1586

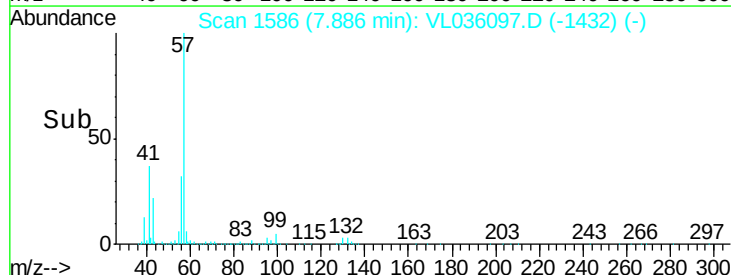
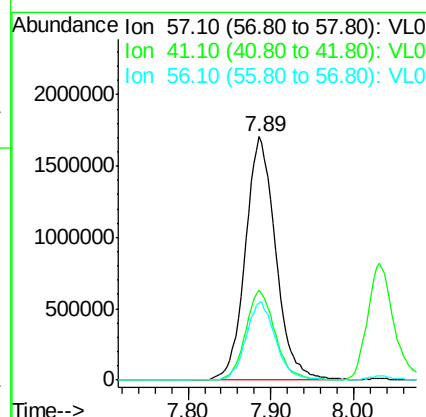
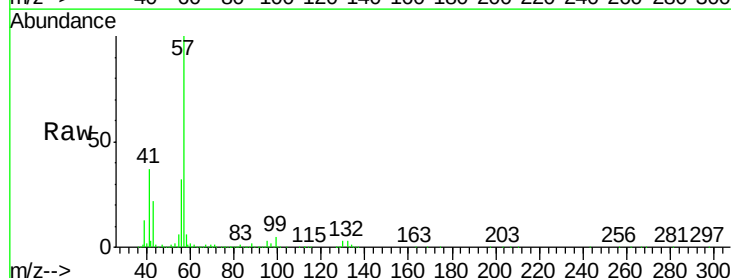
Delta R.T. -0.00 min

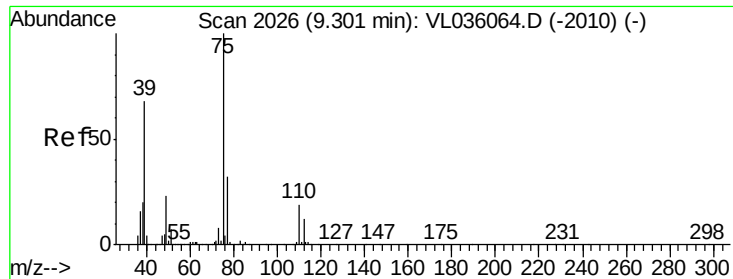
Lab File: VL036097.D

Acq: 8 Dec 2020 15:07

Tgt Ion: 57 Resp: 4340874

Ion	Ratio	Lower	Upper
57	100		
41	36.0	28.9	43.3
56	31.4	25.3	37.9





#45

t-1,3-Dichloropropene

Concen: 11.305 ppbv

RT: 9.30 min Scan# 2025

Delta R.T. -0.00 min

Lab File: VL036097.D

Acq: 8 Dec 2020 15:07

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 75 Resp: 1138799

Ion Ratio Lower Upper

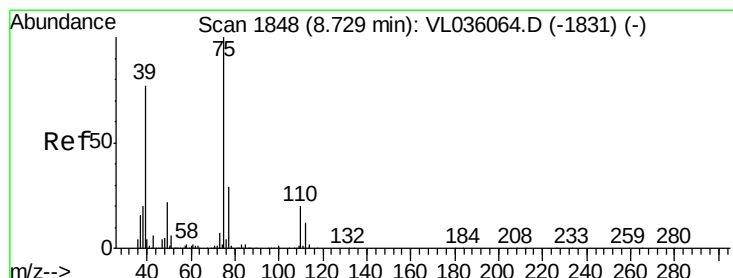
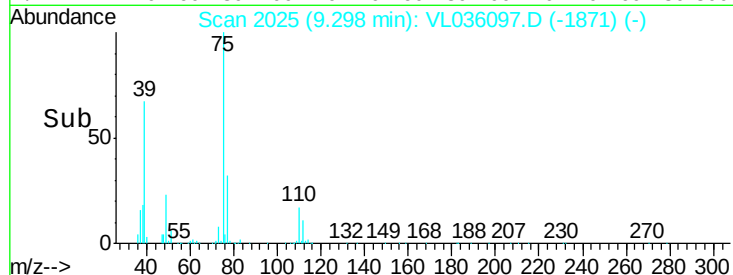
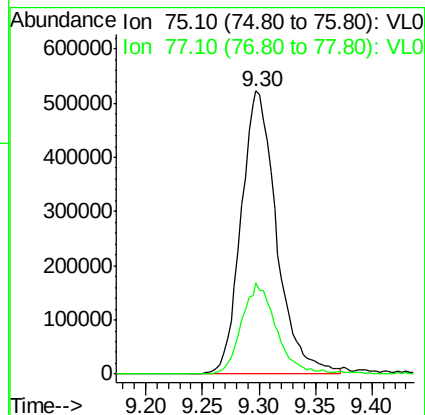
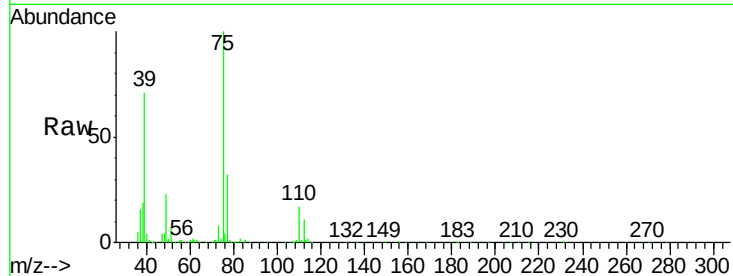
75 100

77 32.3 26.0 39.0

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#46

cis-1,3-Dichloropropene

Concen: 10.898 ppbv

RT: 8.72 min Scan# 1846

Delta R.T. -0.01 min

Lab File: VL036097.D

Acq: 8 Dec 2020 15:07

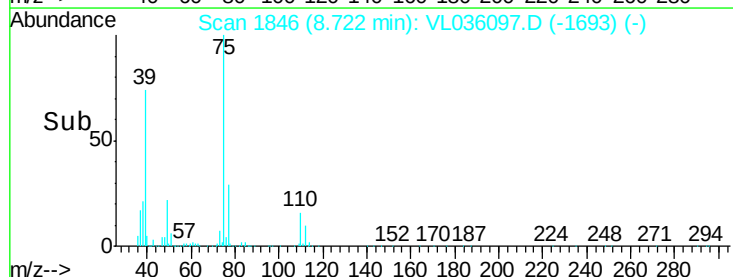
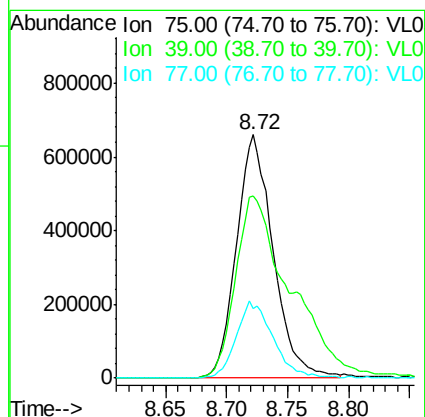
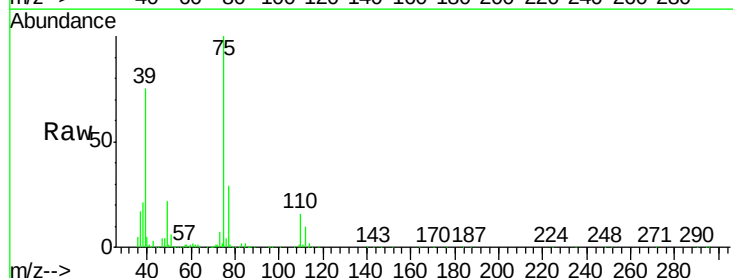
Tgt Ion: 75 Resp: 1375884

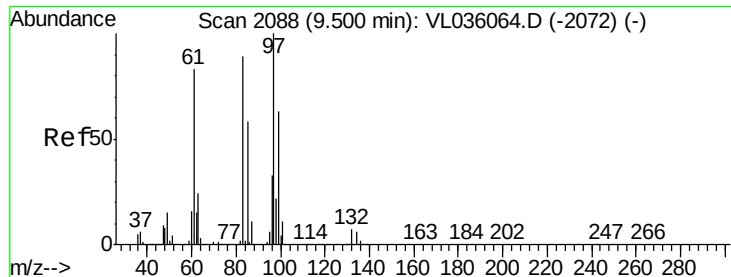
Ion Ratio Lower Upper

75 100

39 74.5 61.6 92.4

77 28.6 23.0 34.6





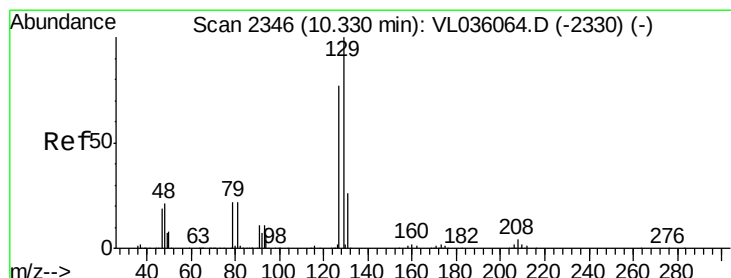
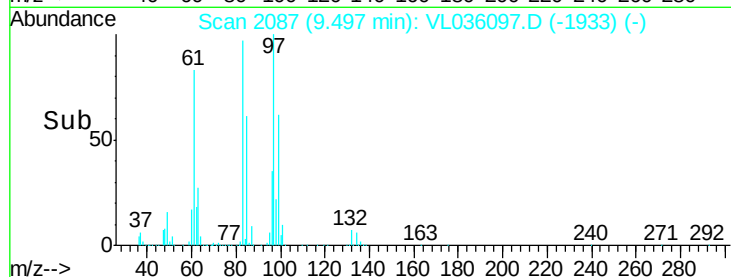
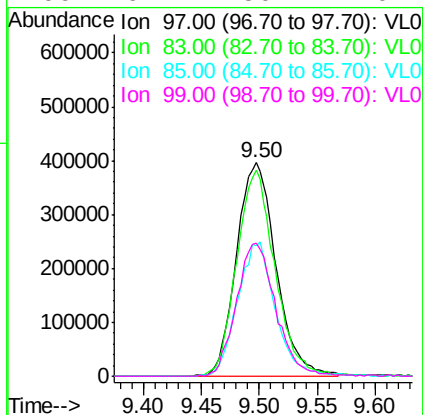
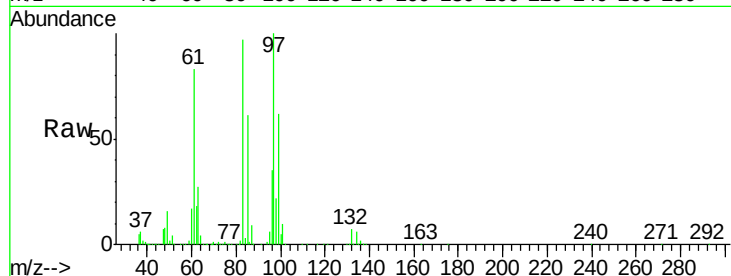
#47
 1,1,2-Trichloroethane
 Concen: 10.806 ppbv
 RT: 9.50 min Scan# 2087
 Delta R.T. -0.00 min
 Lab File: VL036097.D
 Acq: 8 Dec 2020 15:07

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion	Ion	Ratio	Lower	Upper
97	100			
83	96.7	71.4	107.2	
85	60.8	46.6	70.0	
99	62.2	50.7	76.1	

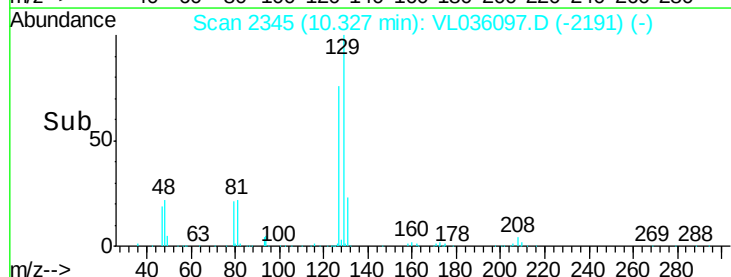
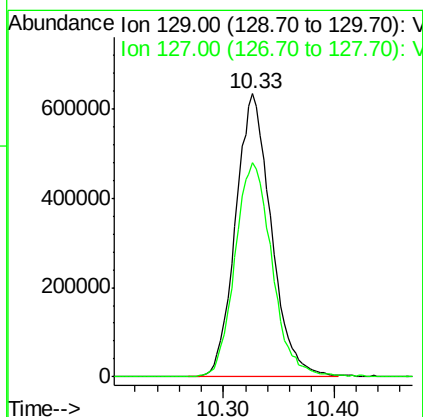
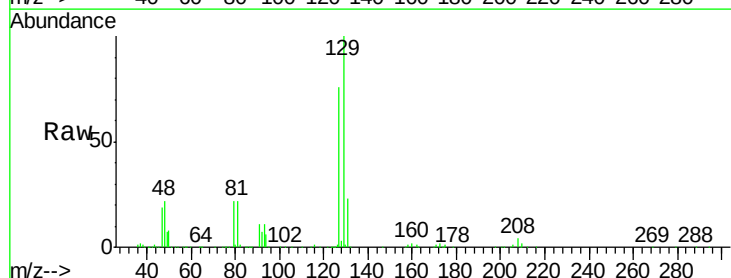
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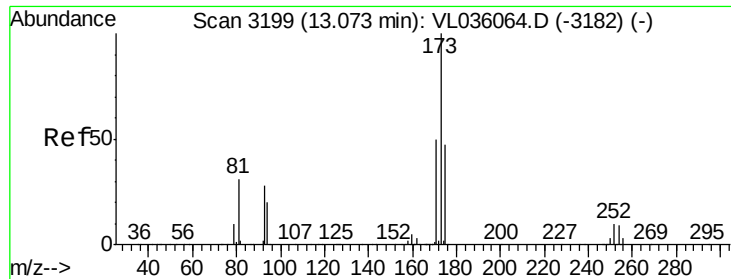
MMDadoda
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#48
 Dibromochloromethane
 Concen: 10.822 ppbv
 RT: 10.33 min Scan# 2345
 Delta R.T. -0.00 min
 Lab File: VL036097.D
 Acq: 8 Dec 2020 15:07

Tgt Ion	Ion	Ratio	Lower	Upper
129	100			
127	78.8	39.0	117.0	





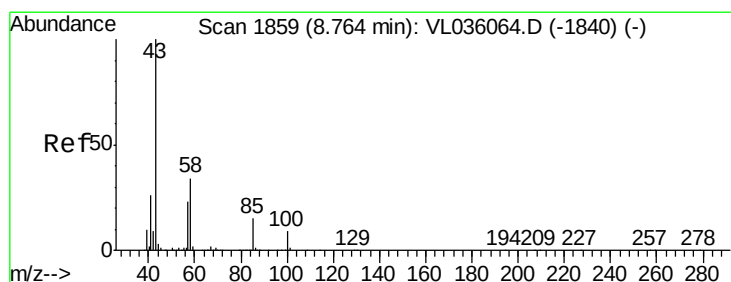
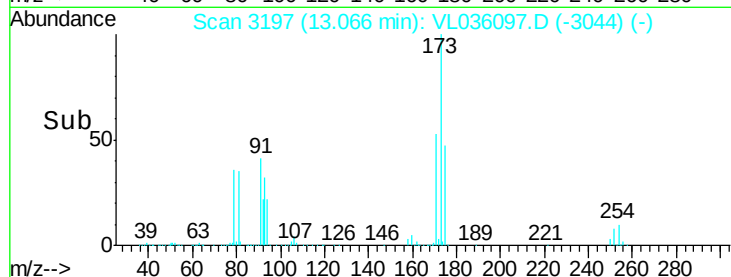
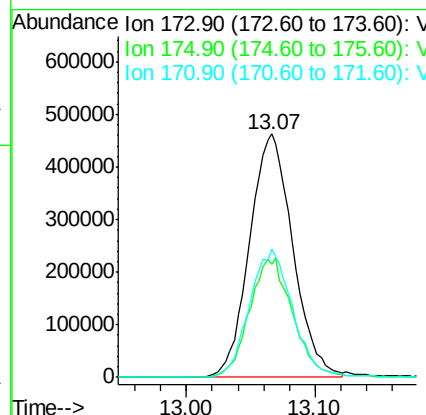
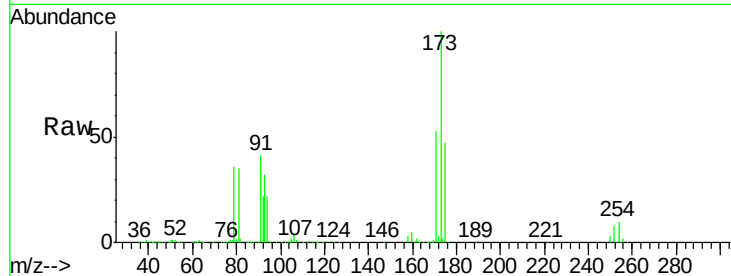
#49
Bromoform
Concen: 10.469 ppbv
RT: 13.07 min Scan# 3197
Delta R.T. -0.01 min
Lab File: VL036097.D
Acq: 8 Dec 2020 15:07

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion:173 Resp: 1080458
Ion Ratio Lower Upper
173 100
175 49.3 39.8 59.6
171 53.0 42.5 63.7

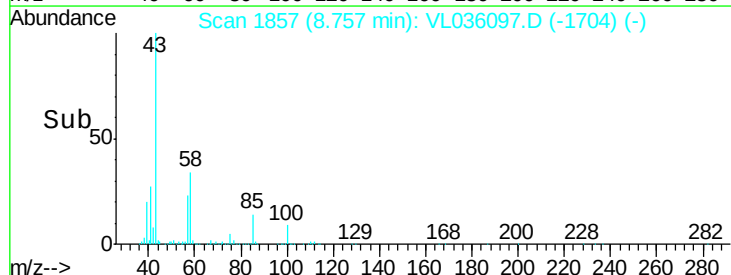
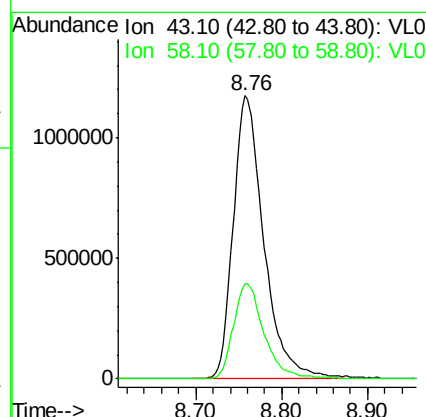
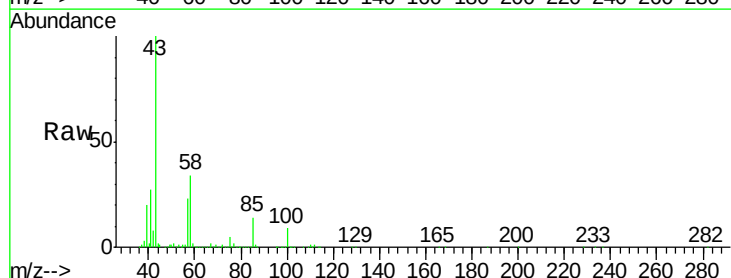
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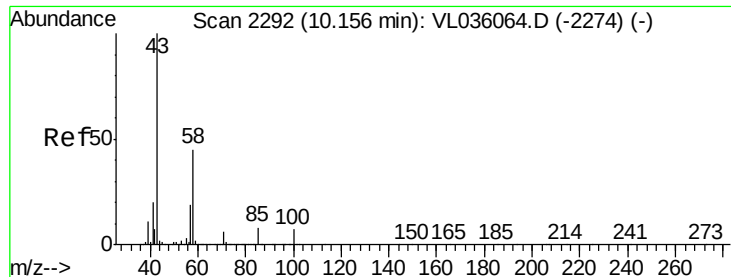
MMDadoda
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#50
4-Methyl-2-Pentanone
Concen: 10.837 ppbv
RT: 8.76 min Scan# 1857
Delta R.T. -0.01 min
Lab File: VL036097.D
Acq: 8 Dec 2020 15:07

Tgt Ion: 43 Resp: 2891215
Ion Ratio Lower Upper
43 100
58 34.0 27.4 41.2





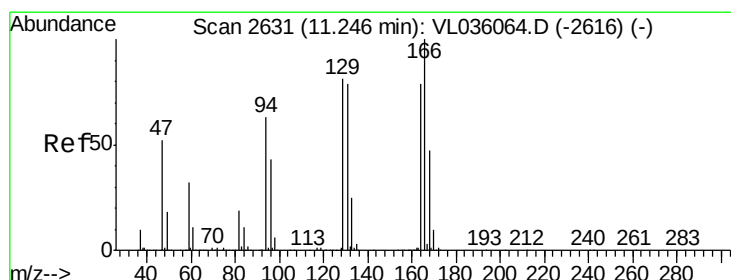
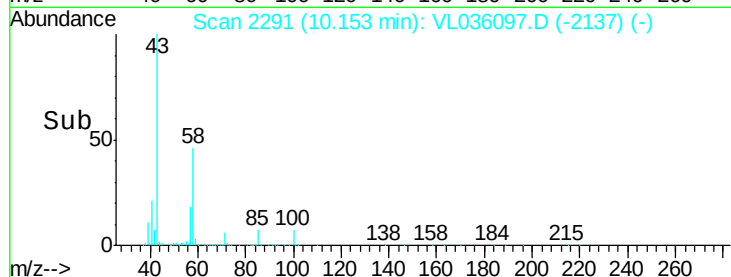
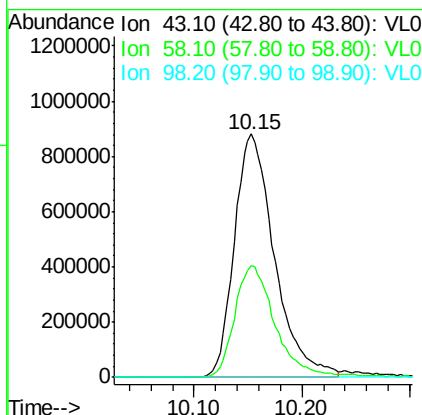
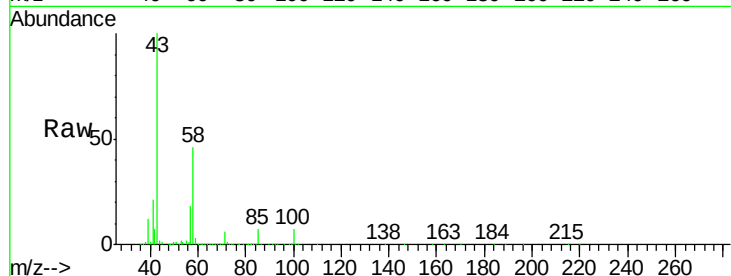
#51
2-Hexanone
Concen: 10.930 ppbv
RT: 10.15 min Scan# 2291
Delta R.T. -0.00 min
Lab File: VL036097.D
Acq: 8 Dec 2020 15:07

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 43 Resp: 2279365
Ion Ratio Lower Upper
43 100
58 46.9 38.7 58.1
98 0.0 0.1 0.1#

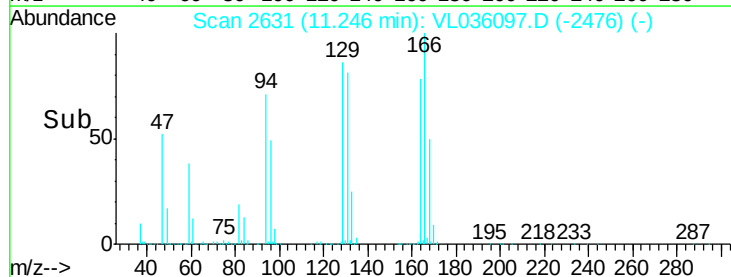
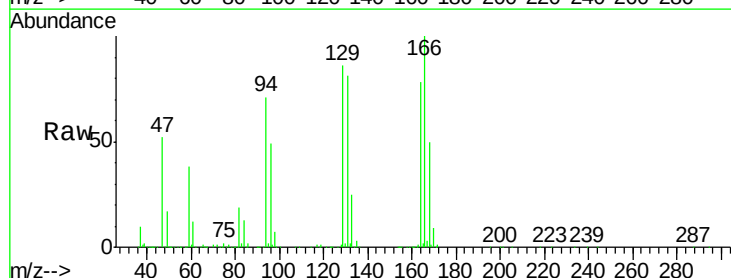
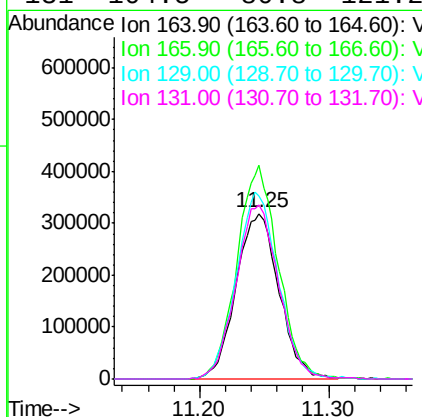
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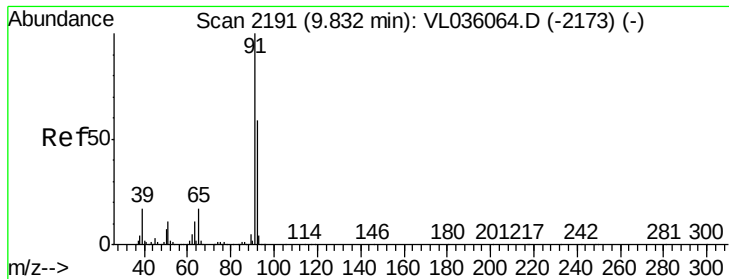
MMDadoda
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#52
Tetrachloroethene
Concen: 8.874 ppbv
RT: 11.25 min Scan# 2631
Delta R.T. -0.00 min
Lab File: VL036097.D
Acq: 8 Dec 2020 15:07

Tgt Ion: 164 Resp: 734167
Ion Ratio Lower Upper
164 100
166 128.7 101.9 152.9
129 110.5 82.1 123.1
131 104.5 80.8 121.2





#53

Toluene

Concen: 10.554 ppbv

RT: 9.82 min Scan# 2189

Delta R.T. -0.01 min

Lab File: VL036097.D

Acq: 8 Dec 2020 15:07

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 91 Resp: 2708484

Ion Ratio Lower Upper

91 100

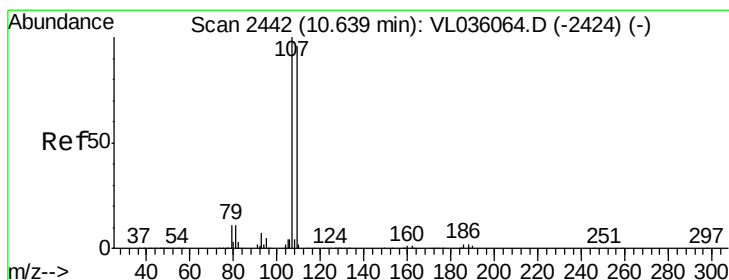
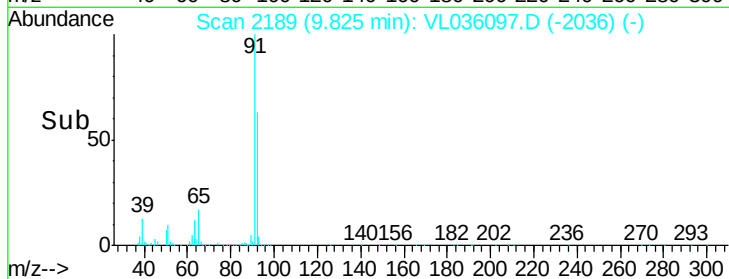
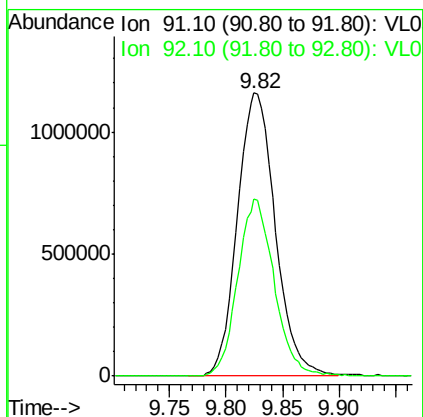
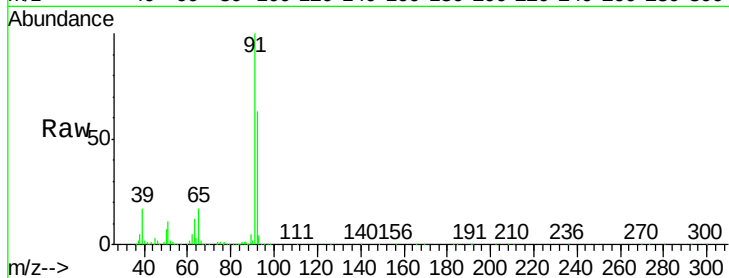
92 60.3 48.2 72.2

Manual Integrations

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#54

1,2-Dibromoethane

Concen: 10.373 ppbv

RT: 10.63 min Scan# 2440

Delta R.T. -0.01 min

Lab File: VL036097.D

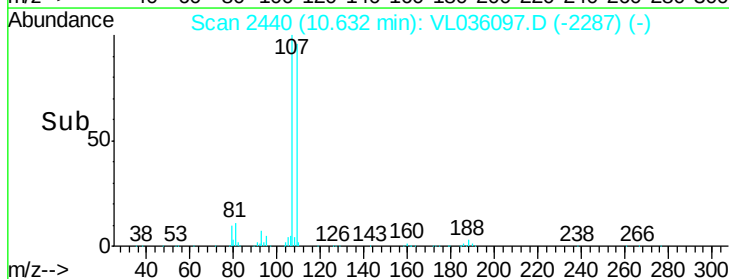
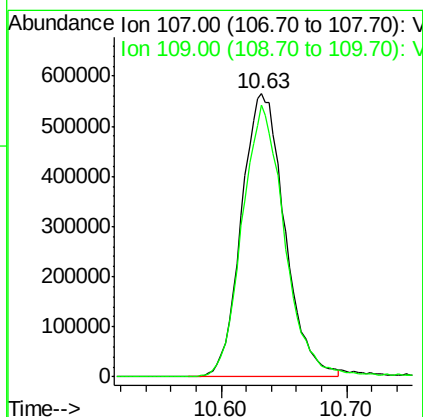
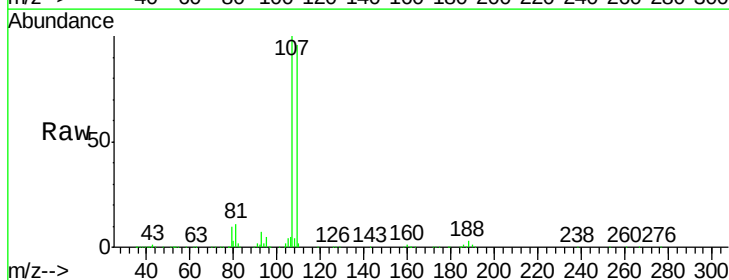
Acq: 8 Dec 2020 15:07

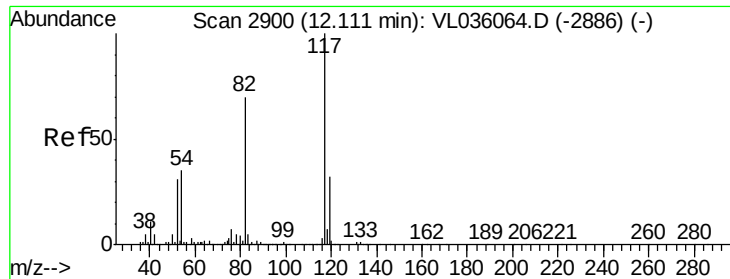
Tgt Ion: 107 Resp: 1350116

Ion Ratio Lower Upper

107 100

109 95.9 76.6 115.0





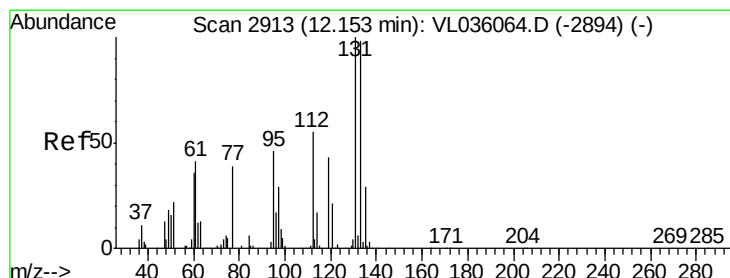
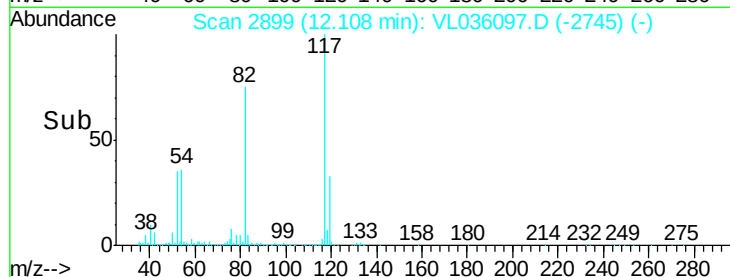
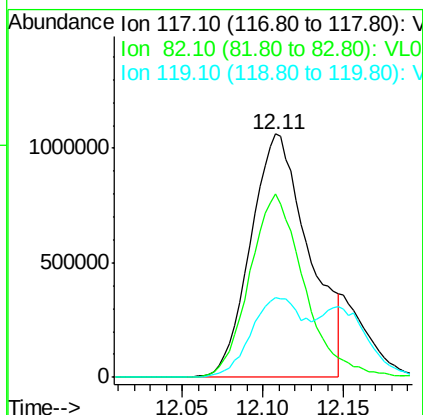
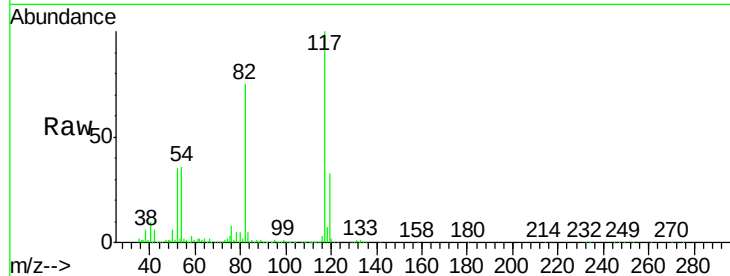
#55
Chlorobenzene-d5
Concen: 10.000 ppbv m
RT: 12.11 min Scan# 2899
Delta R.T. -0.00 min
Lab File: VL036097.D
Acq: 8 Dec 2020 15:07

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion:117 Resp: 2683507
Ion Ratio Lower Upper
117 100
82 71.7 0.0 0.0#
119 29.8 0.0 0.0#

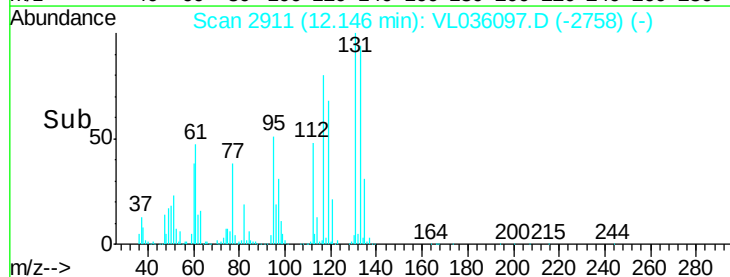
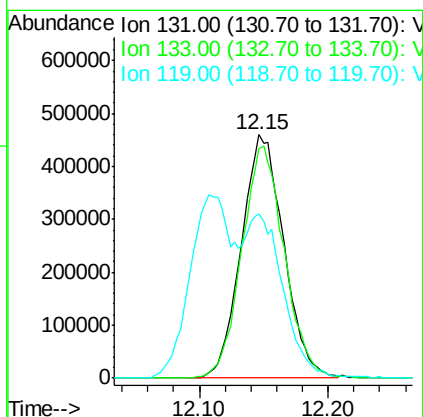
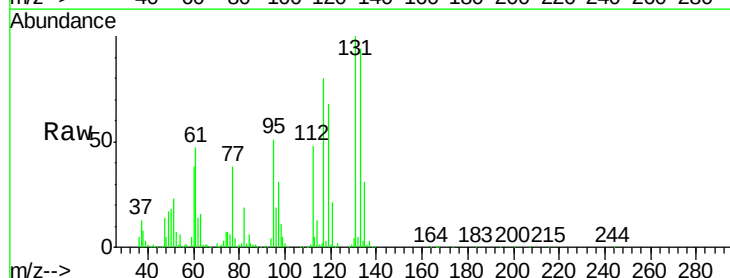
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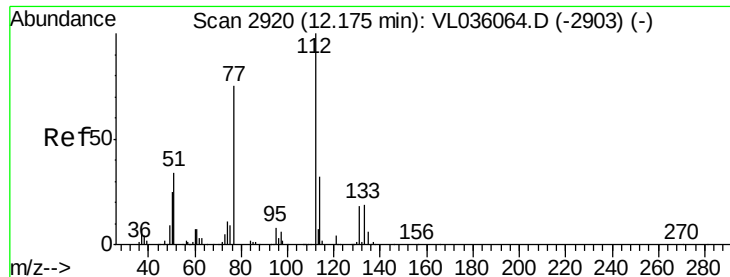
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#56
1,1,1,2-Tetrachloroethane
Concen: 9.472 ppbv
RT: 12.15 min Scan# 2911
Delta R.T. -0.01 min
Lab File: VL036097.D
Acq: 8 Dec 2020 15:07

Tgt Ion:131 Resp: 1053907
Ion Ratio Lower Upper
131 100
133 95.6 77.7 116.5
119 57.7 51.6 77.4





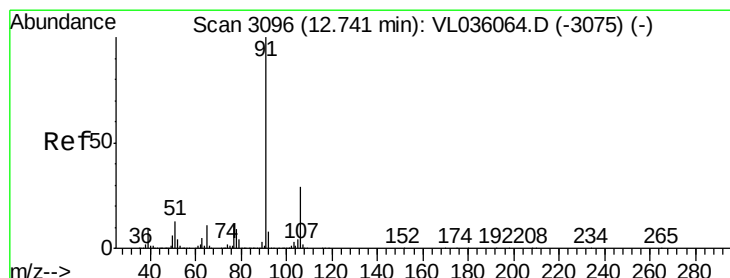
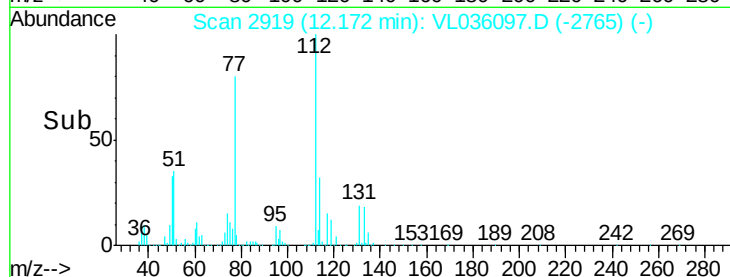
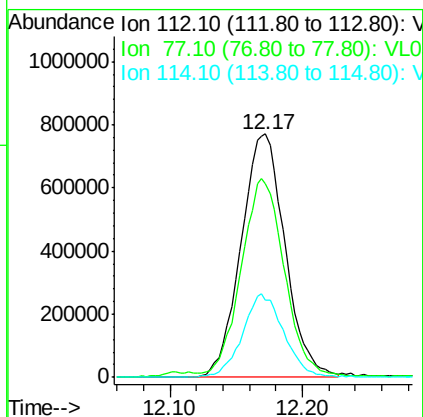
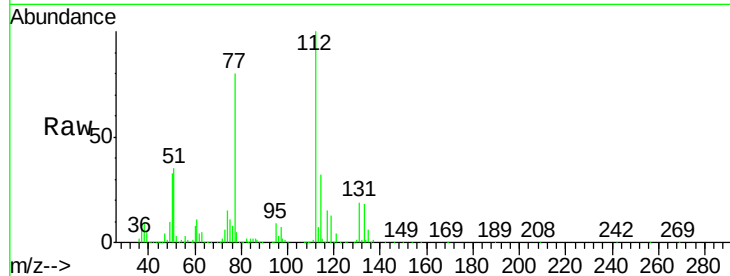
#57
Chlorobenzene
Concen: 9.412 ppbv
RT: 12.17 min Scan# 2919
Delta R.T. -0.00 min
Lab File: VL036097.D
Acq: 8 Dec 2020 15:07

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 112 Resp: 1773067
Ion Ratio Lower Upper
112 100
77 78.6 60.5 90.7
114 31.8 29.2 35.6

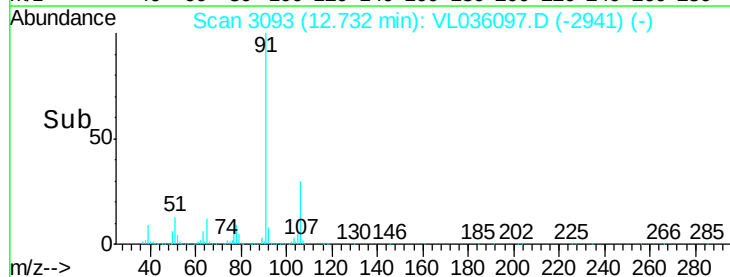
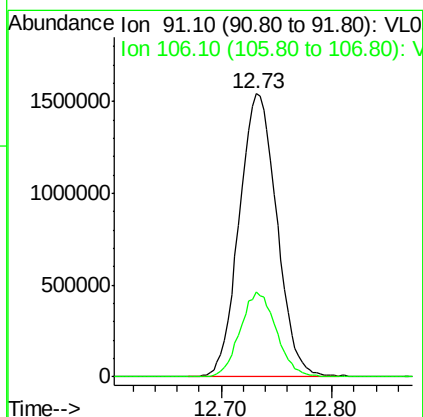
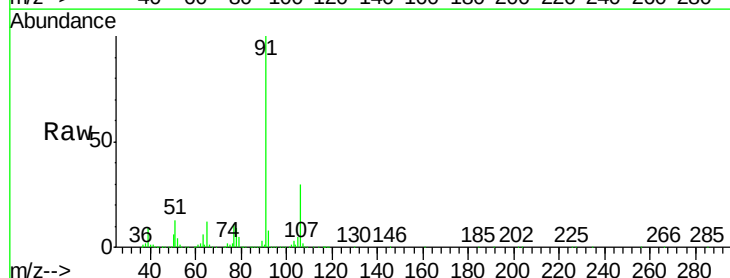
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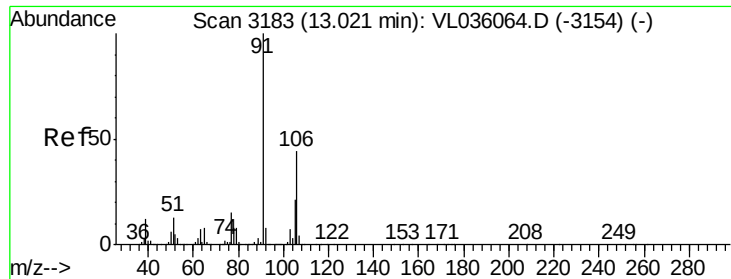
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#58
Ethyl Benzene
Concen: 9.925 ppbv
RT: 12.73 min Scan# 3093
Delta R.T. -0.01 min
Lab File: VL036097.D
Acq: 8 Dec 2020 15:07

Tgt Ion: 91 Resp: 3649892
Ion Ratio Lower Upper
91 100
106 30.2 23.0 34.4





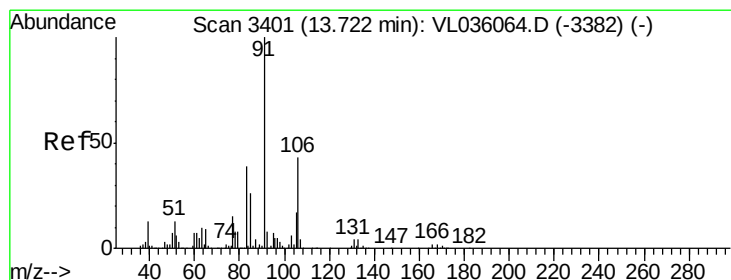
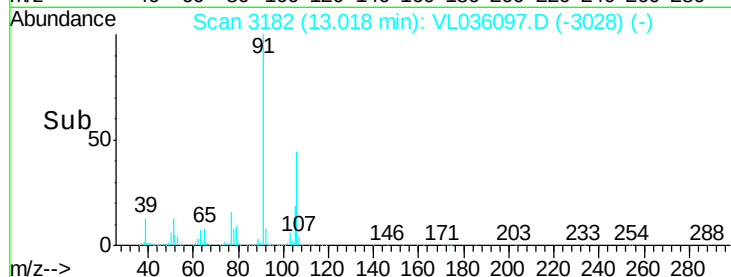
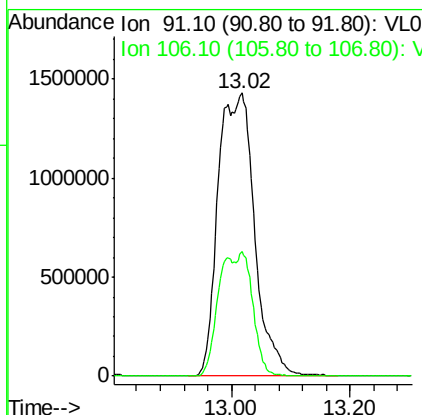
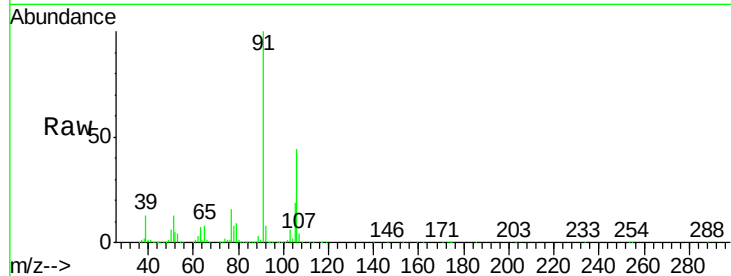
#59
m/p-Xylene
Concen: 19.700 ppbv m
RT: 13.02 min Scan# 3182
Delta R.T. -0.00 min
Lab File: VL036097.D
Acq: 8 Dec 2020 15:07

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 91 Resp: 6101875
Ion Ratio Lower Upper
91 100
106 40.6 33.6 50.4

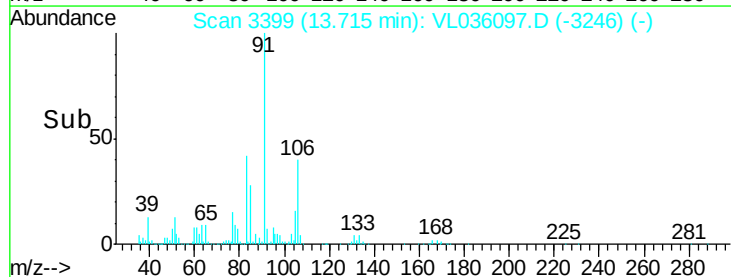
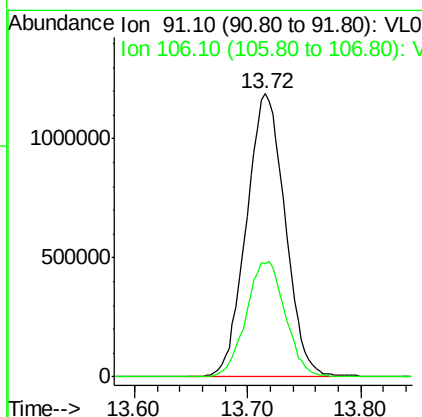
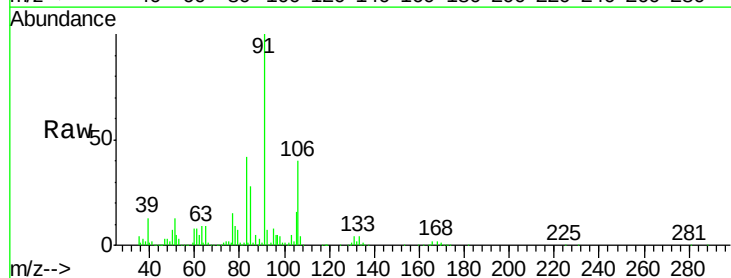
Manual Integrations
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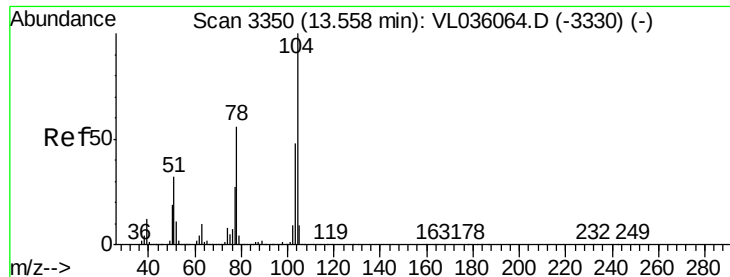
MMDadoda
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#60
o-Xylene
Concen: 9.674 ppbv
RT: 13.72 min Scan# 3399
Delta R.T. -0.01 min
Lab File: VL036097.D
Acq: 8 Dec 2020 15:07

Tgt Ion: 91 Resp: 2823260
Ion Ratio Lower Upper
91 100
106 41.3 21.6 64.6





#61

Stvrene

Concen: 10.079 ppbv

RT: 13.55 min Scan# 3348

Delta R.T. -0.01 min

Lab File: VL036097.D

Acq: 8 Dec 2020 15:07

Instrument :

MSVOA_L

ClientSampled :

VSTDCCC010

Tot Ion:104 Resp: 1888351

Ion Ratio Lower Upper

104 100

78 59.8 45.8 68.8

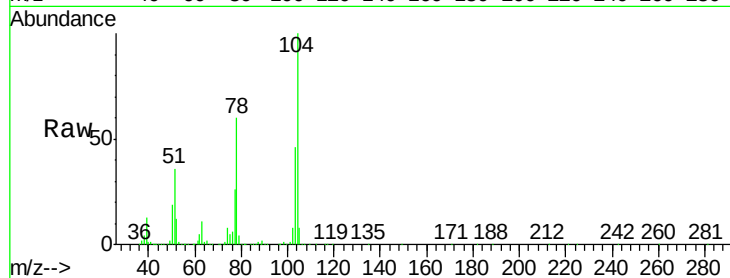
103 47.6 38.6 57.8

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Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): V

Ion 103.10 (102.80 to 103.80): V

1000000

800000

600000

400000

200000

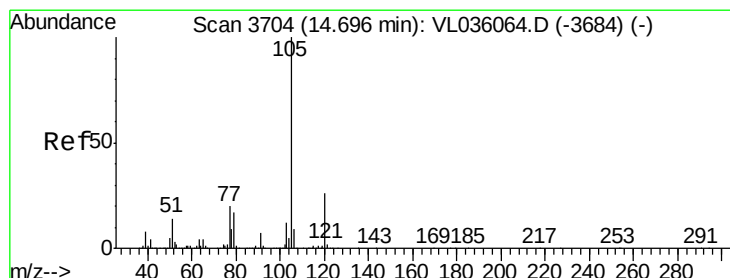
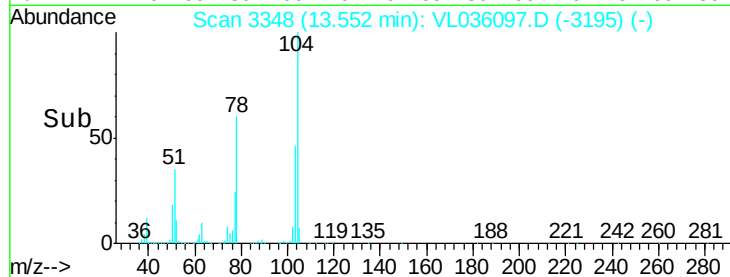
0

13.55

13.50

13.60

Time-->



#62

Isopropylbenzene

Concen: 9.353 ppbv

RT: 14.69 min Scan# 3703

Delta R.T. -0.00 min

Lab File: VL036097.D

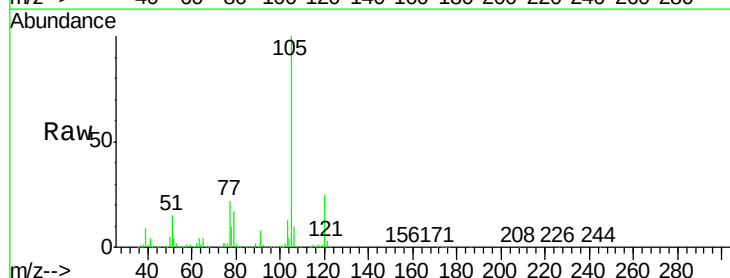
Acq: 8 Dec 2020 15:07

Tgt Ion:105 Resp: 4045822

Ion Ratio Lower Upper

105 100

120 24.2 20.1 30.1



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

1500000

1000000

500000

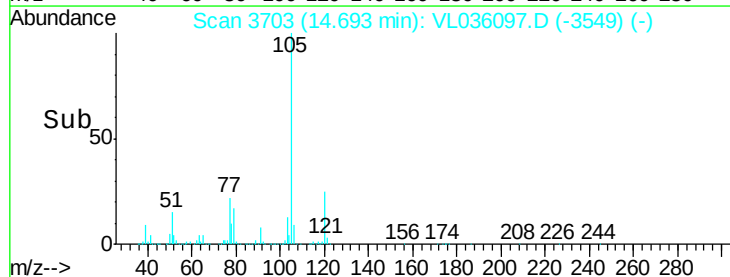
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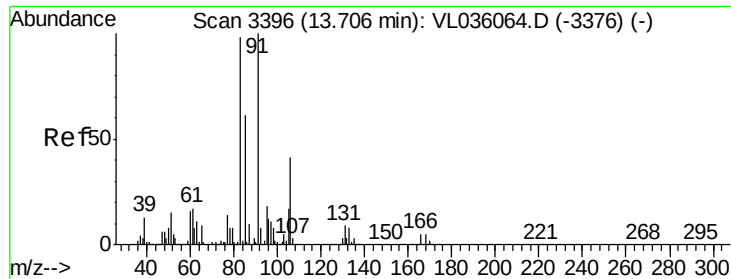
14.69

14.60

14.70

Time-->





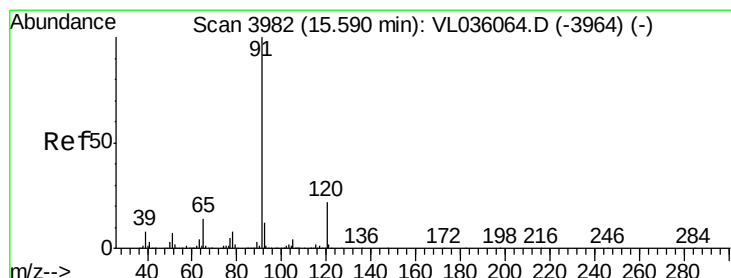
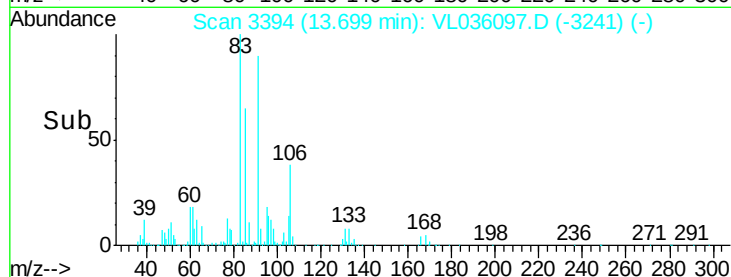
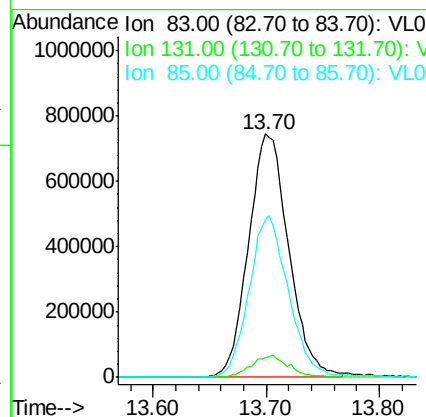
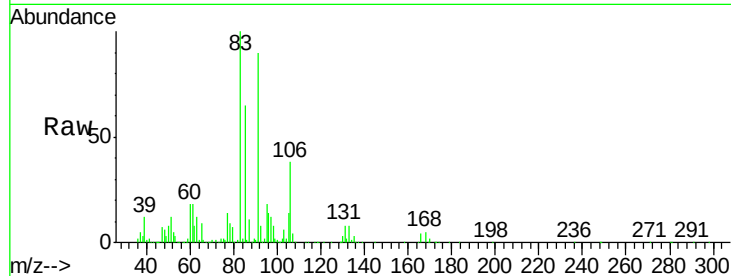
#63
 1,1,2,2-Tetrachloroethane
 Concen: 9.365 ppbv
 RT: 13.70 min Scan# 3394
 Delta R.T. -0.01 min
 Lab File: VL036097.D
 Acq: 8 Dec 2020 15:07

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion	83	Resp	1840542
Ion Ratio	Lower	Upper	
83	100		
131	8.5	4.6	13.8
85	65.7	32.5	97.5

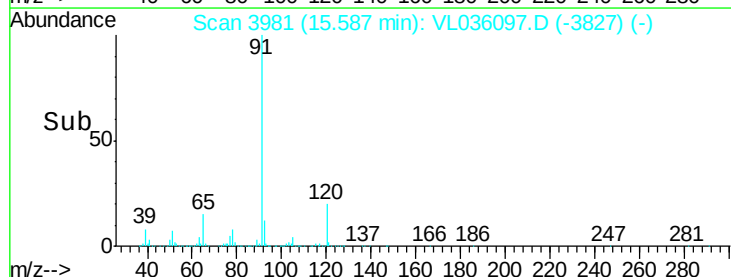
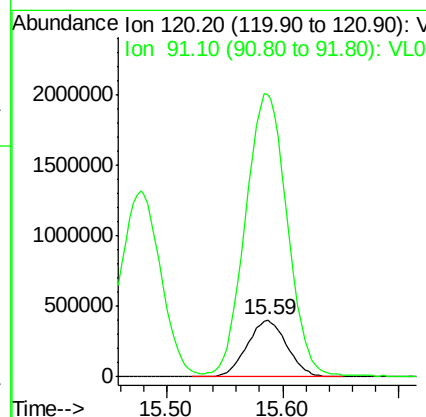
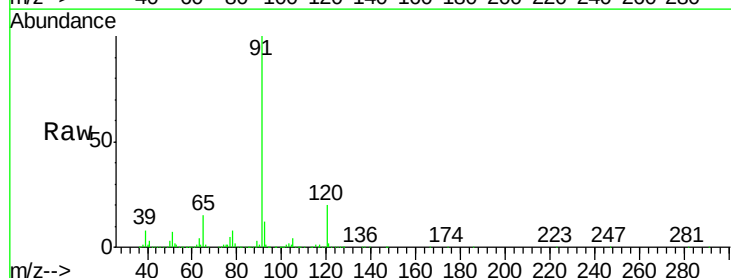
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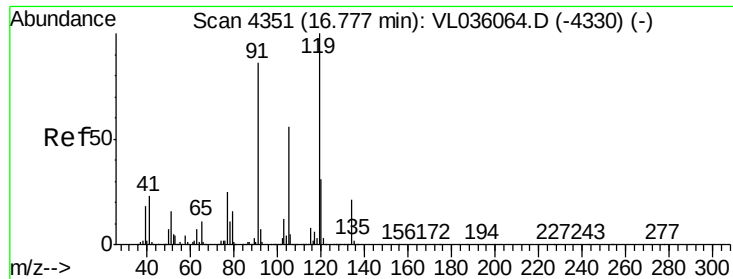
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#64
 n-propylbenzene
 Concen: 9.274 ppbv
 RT: 15.59 min Scan# 3981
 Delta R.T. -0.00 min
 Lab File: VL036097.D
 Acq: 8 Dec 2020 15:07

Tgt Ion	120	Resp	965172
Ion Ratio	Lower	Upper	
120	100		
91	524.0	388.9	583.3





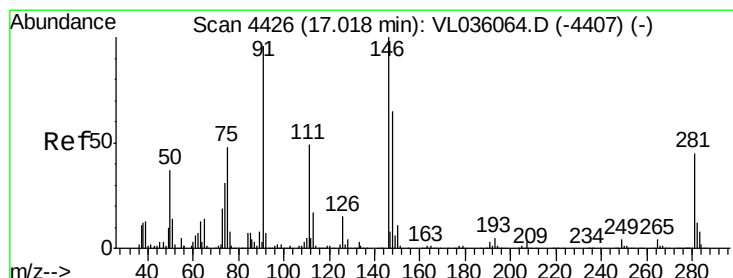
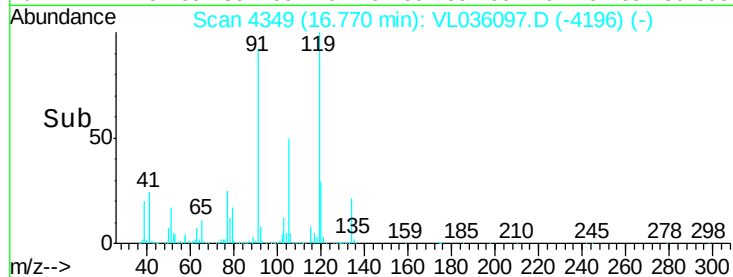
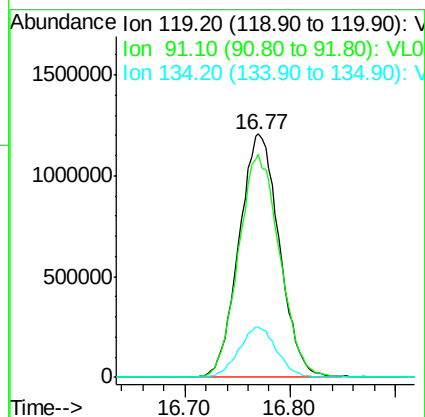
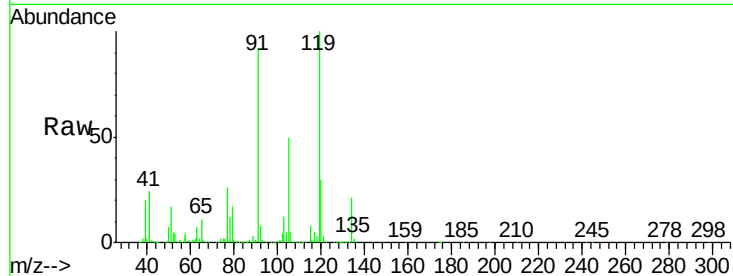
#65
tert-Butylbenzene
Concen: 9.048 ppbv
RT: 16.77 min Scan# 4349
Delta R.T. -0.01 min
Lab File: VL036097.D
Acq: 8 Dec 2020 15:07

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 119 Resp: 3203536
Ion Ratio Lower Upper
119 100
91 93.9 70.2 105.2
134 19.5 15.8 23.6

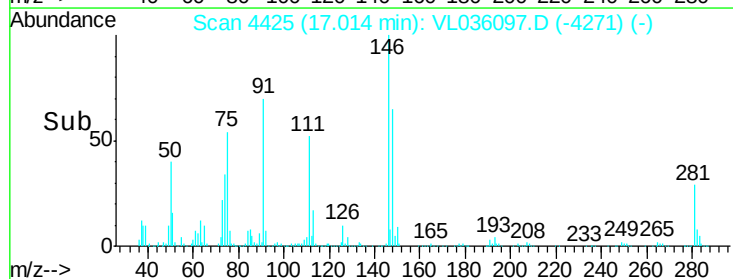
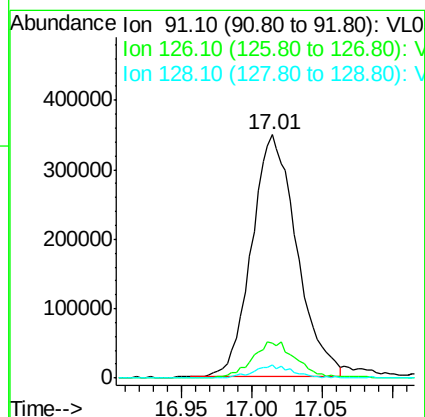
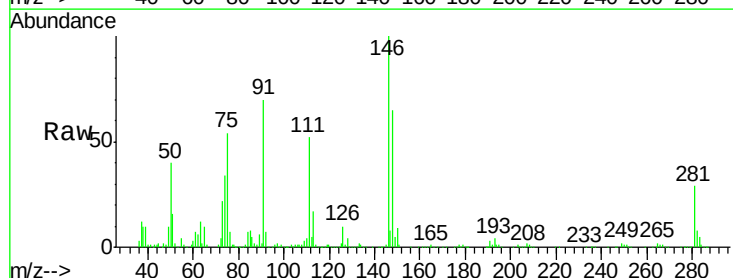
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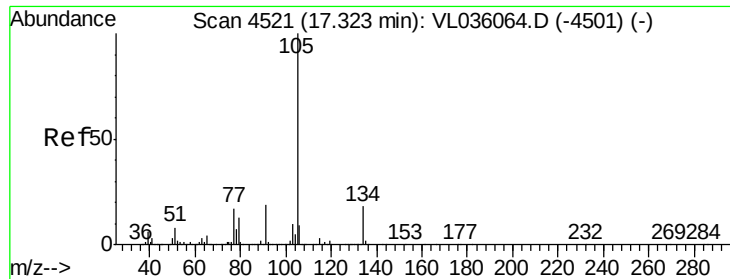
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#66
Benzyl Chloride
Concen: 8.808 ppbv
RT: 17.01 min Scan# 4425
Delta R.T. -0.00 min
Lab File: VL036097.D
Acq: 8 Dec 2020 15:07

Tgt Ion: 91 Resp: 776578
Ion Ratio Lower Upper
91 100
126 15.2 13.5 20.3
128 4.9 4.4 6.6





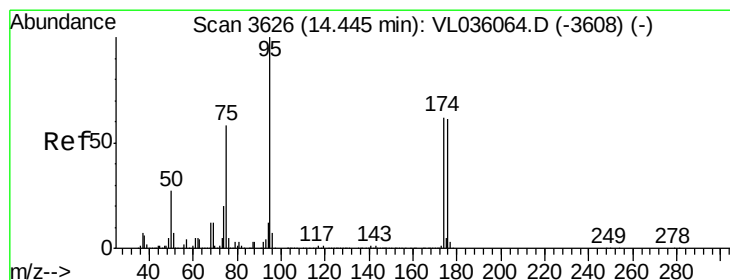
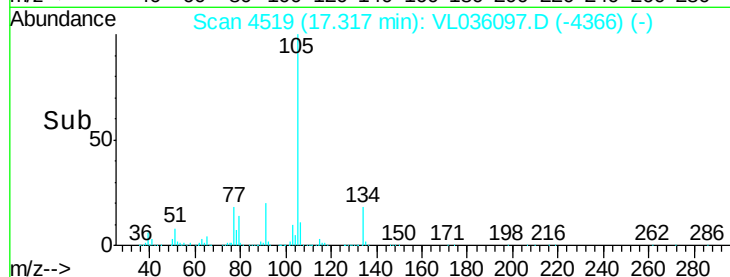
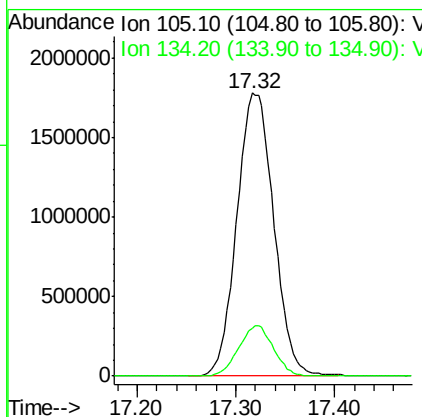
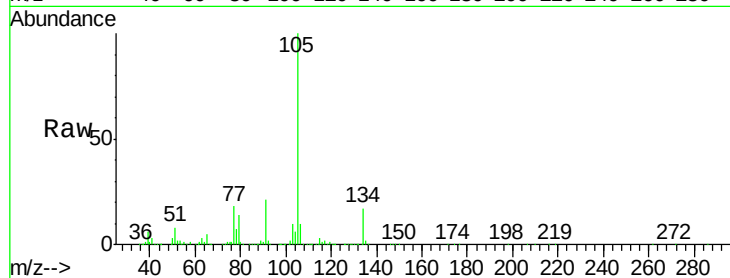
#67
 sec-Butylbenzene
 Concen: 9.265 ppbv
 RT: 17.32 min Scan# 4519
 Delta R.T. -0.01 min
 Lab File: VL036097.D
 Acq: 8 Dec 2020 15:07

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion: 105 Resp: 4591392
 Ion Ratio Lower Upper
 105 100
 134 17.0 14.2 21.4

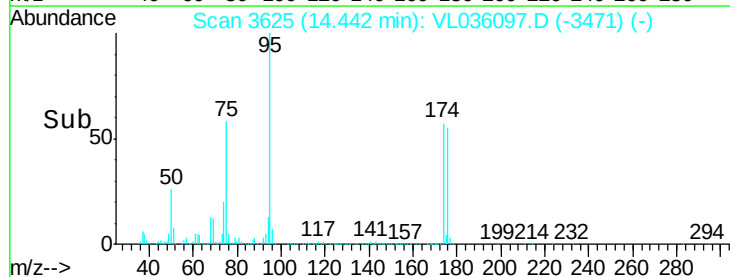
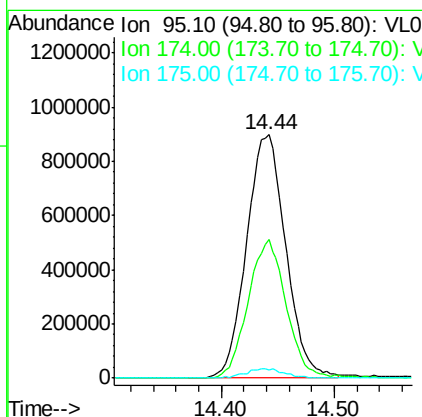
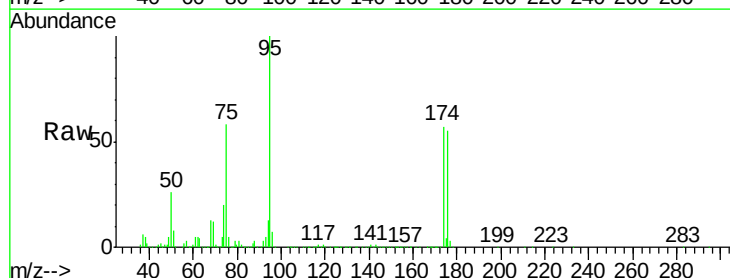
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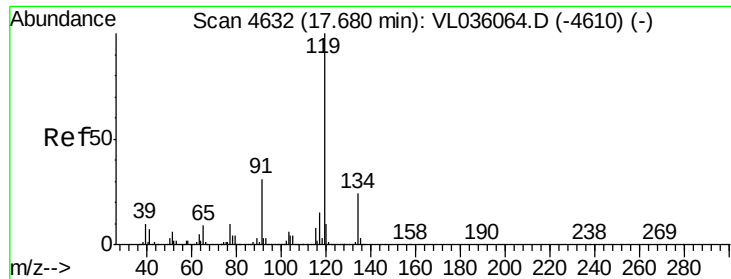
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#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.158 ppbv
 RT: 14.44 min Scan# 3625
 Delta R.T. -0.00 min
 Lab File: VL036097.D
 Acq: 8 Dec 2020 15:07

Tgt Ion: 95 Resp: 2164481
 Ion Ratio Lower Upper
 95 100
 174 55.8 50.7 76.1
 175 4.0 4.0 6.0





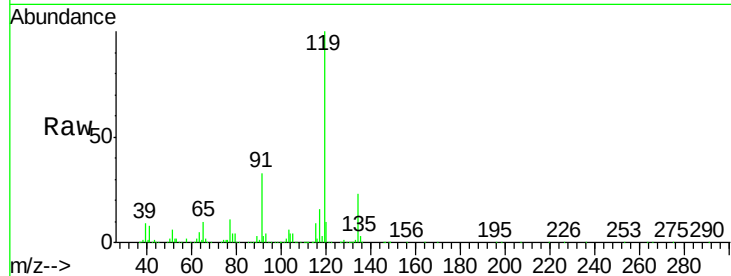
#69
 p-Isopropyltoluene
 Concen: 9.142 ppbv
 RT: 17.68 min Scan# 4632
 Delta R.T. -0.00 min
 Lab File: VL036097.D
 Acq: 8 Dec 2020 15:07

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

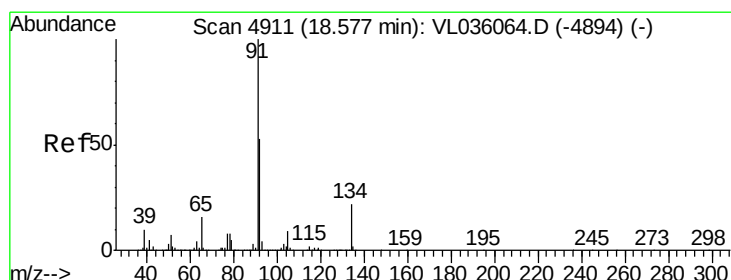
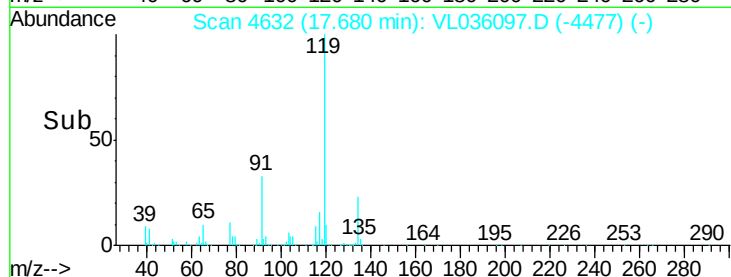
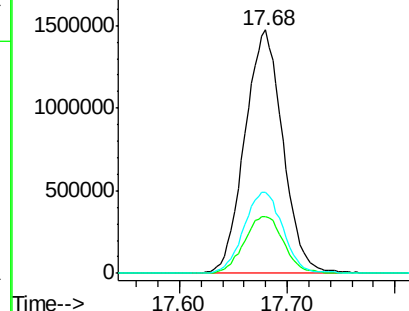
Tot Ion	Ratio	Lower	Upper
119	100		
134	24.3	19.8	29.6
91	34.0	25.8	38.6

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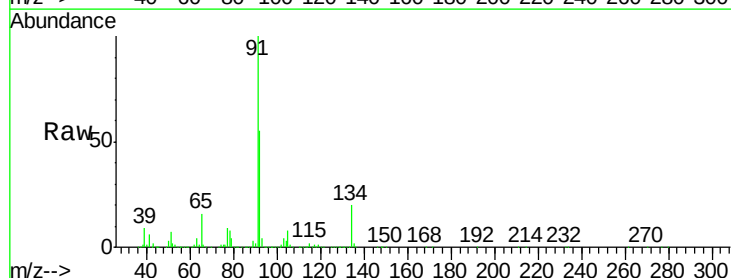


Abundance Ion 119.10 (118.80 to 119.80): V
 Ion 134.20 (133.90 to 134.90): V
 Ion 91.10 (90.80 to 91.80): V

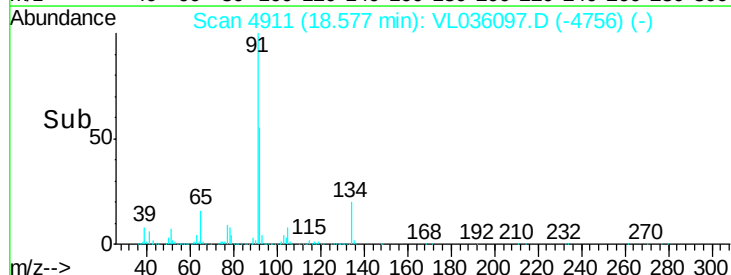
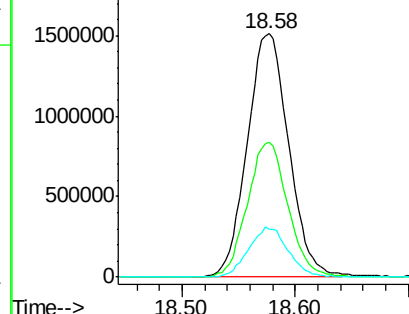


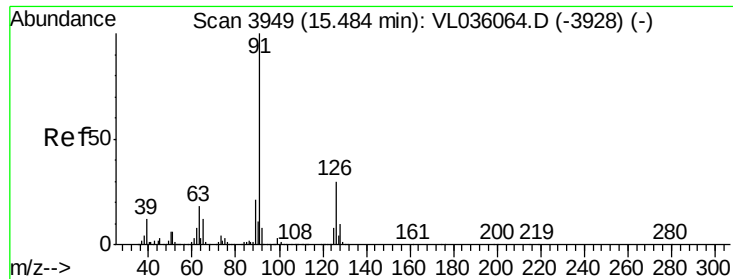
#70
 n-Butylbenzene
 Concen: 9.891 ppbv
 RT: 18.58 min Scan# 4911
 Delta R.T. -0.00 min
 Lab File: VL036097.D
 Acq: 8 Dec 2020 15:07

Tgt Ion	Ratio	Lower	Upper
91	100		
92	54.5	43.3	64.9
134	19.8	17.1	25.7



Abundance Ion 91.10 (90.80 to 91.80): VL0
 Ion 92.10 (91.80 to 92.80): VL0
 Ion 134.20 (133.90 to 134.90): V





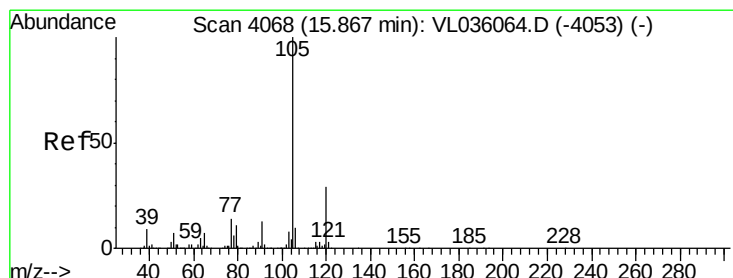
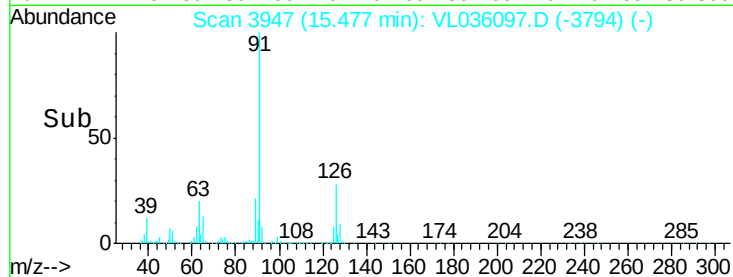
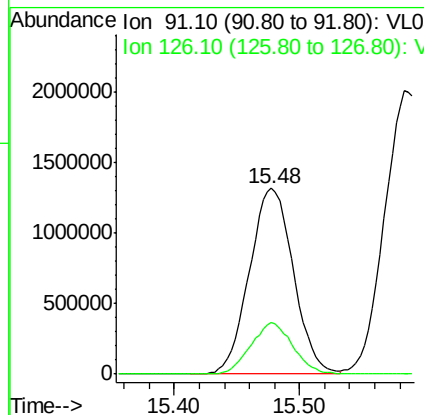
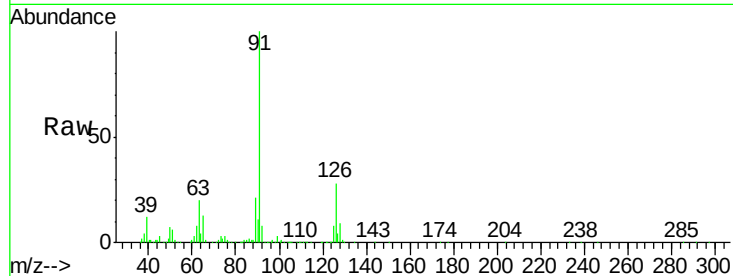
#71
2-Chlorotoluene
Concen: 9.825 ppbv
RT: 15.48 min Scan# 3947
Delta R.T. -0.01 min
Lab File: VL036097.D
Acq: 8 Dec 2020 15:07

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 91 Resp: 3212744
Ion Ratio Lower Upper
91 100
126 26.7 11.6 46.4

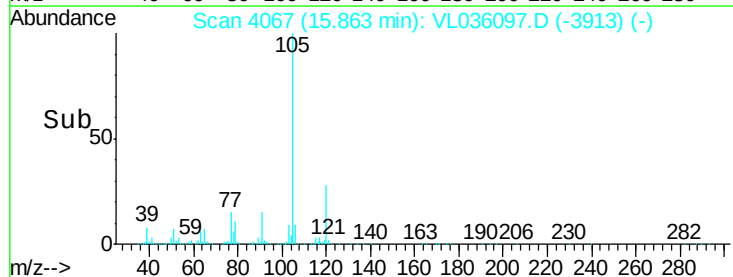
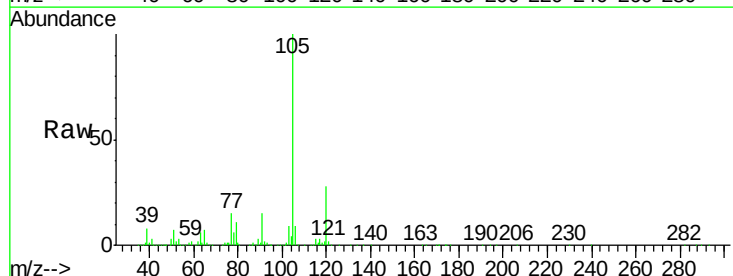
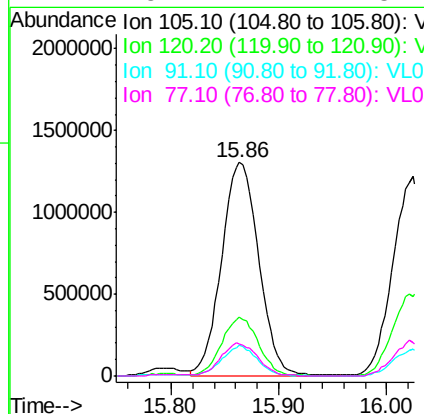
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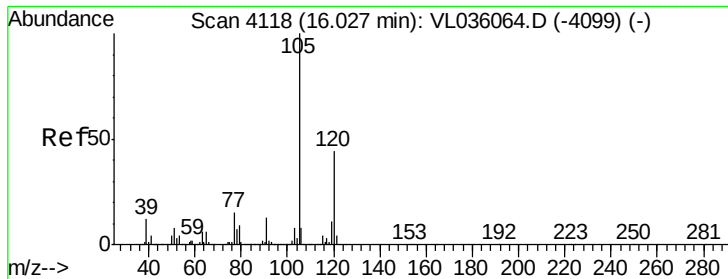
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#72
4-Ethyltoluene
Concen: 9.900 ppbv
RT: 15.86 min Scan# 4067
Delta R.T. -0.00 min
Lab File: VL036097.D
Acq: 8 Dec 2020 15:07

Tgt Ion:105 Resp: 3129817
Ion Ratio Lower Upper
105 100
120 27.3 23.6 35.4
91 13.4 11.4 17.0
77 15.4 12.1 18.1





#73

1,3,5-Trimethylbenzene

Concen: 9.481 ppbv

RT: 16.02 min Scan# 4117

Delta R.T. -0.00 min

Lab File: VL036097.D

Acq: 8 Dec 2020 15:07

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion:105 Resp: 2862592

Ion Ratio Lower Upper

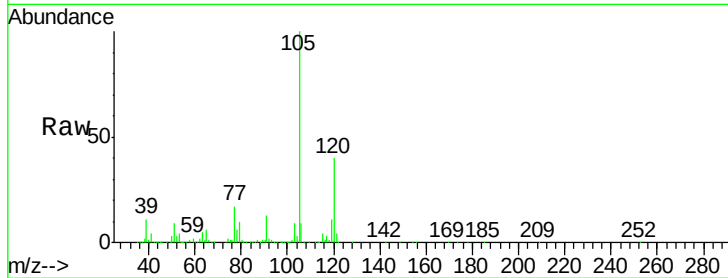
105 100

120 39.7 35.4 53.2

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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

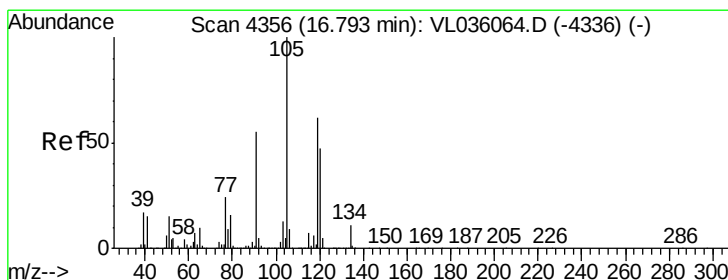
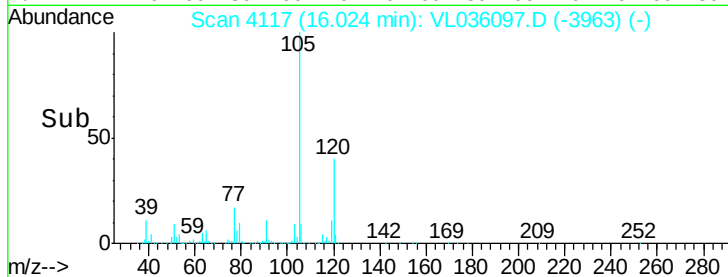
16.02

1000000

500000

0

Time--> 15.90 16.00 16.10



#74

1,2,4-Trimethylbenzene

Concen: 9.387 ppbv

RT: 16.79 min Scan# 4355

Delta R.T. -0.00 min

Lab File: VL036097.D

Acq: 8 Dec 2020 15:07

Tgt Ion:105 Resp: 2844848

Ion Ratio Lower Upper

105 100

120 45.3 37.4 56.0

91 54.1 45.6 68.4

77 24.4 19.4 29.2

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

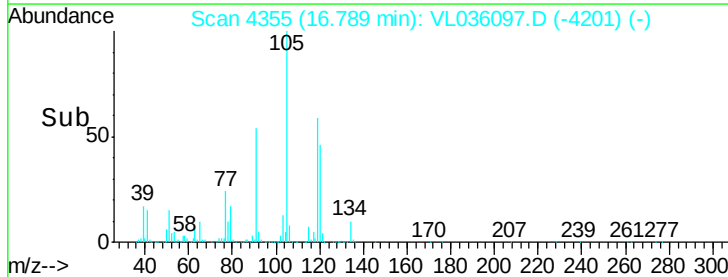
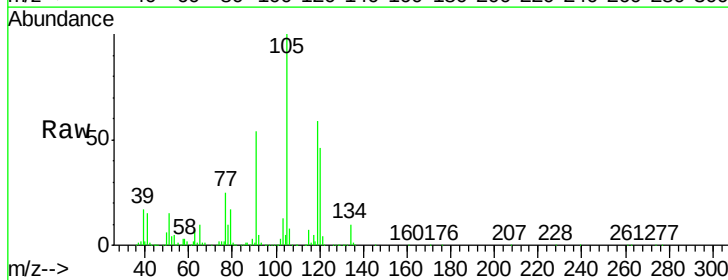
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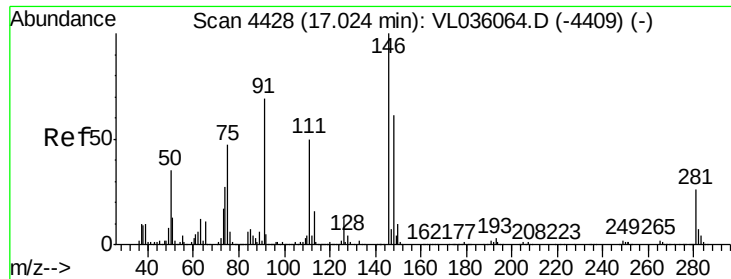
1000000

500000

0

Time--> 16.70 16.80





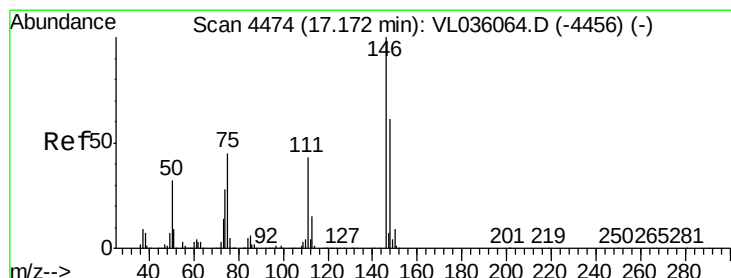
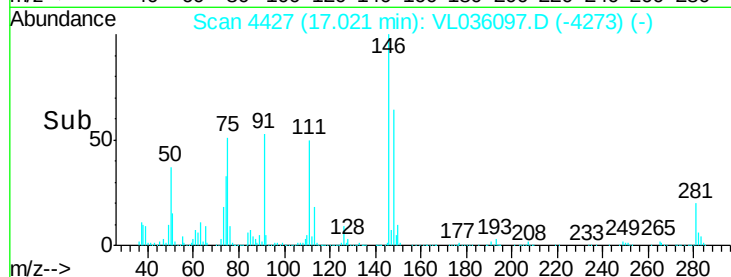
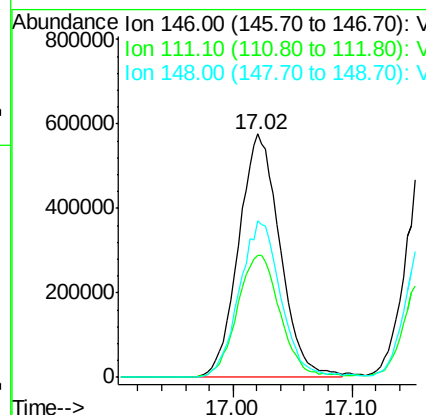
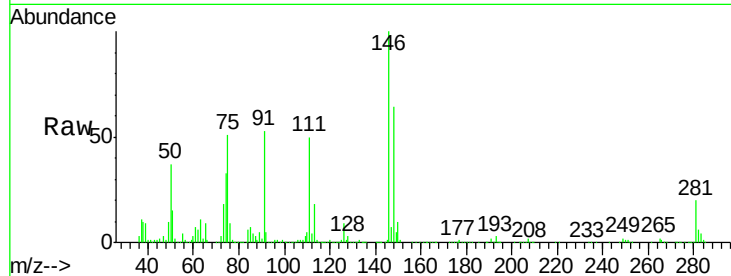
#75
 1,3-Dichlorobenzene
 Concen: 9.135 ppbv
 RT: 17.02 min Scan# 4427
 Delta R.T. -0.00 min
 Lab File: VL036097.D
 Acq: 8 Dec 2020 15:07

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion	Ratio	Lower	Upper
146	100		
111	52.3	25.1	75.3
148	64.6	32.9	98.6

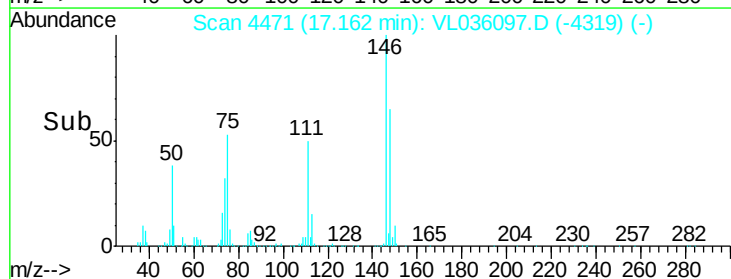
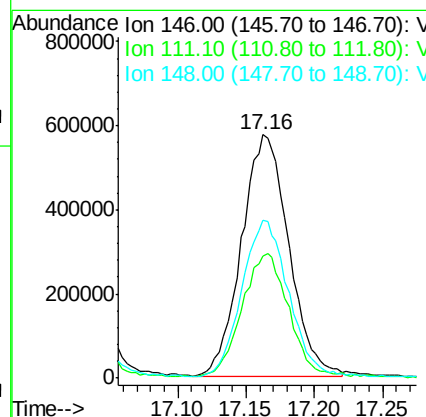
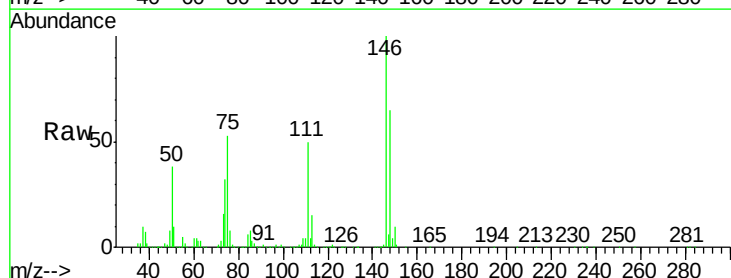
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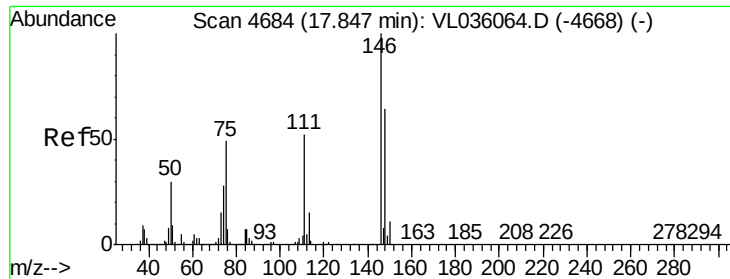
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#76
 1,4-Dichlorobenzene
 Concen: 8.941 ppbv
 RT: 17.16 min Scan# 4471
 Delta R.T. -0.01 min
 Lab File: VL036097.D
 Acq: 8 Dec 2020 15:07

Tgt Ion	Ratio	Lower	Upper
146	100		
111	52.0	24.3	72.8
148	66.2	32.8	98.3





#77

1,2-Dichlorobenzene

Concen: 9.094 ppbv

RT: 17.84 min Scan# 4683

Delta R.T. -0.00 min

Lab File: VL036097.D

Acq: 8 Dec 2020 15:07

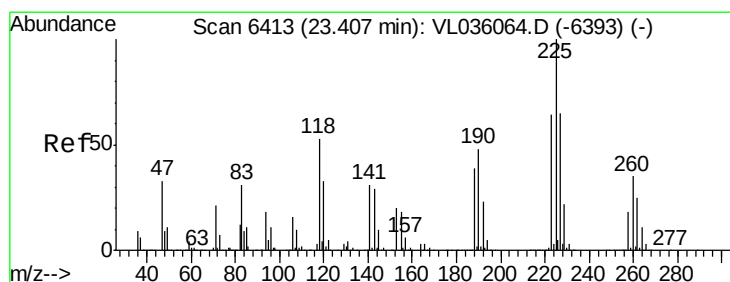
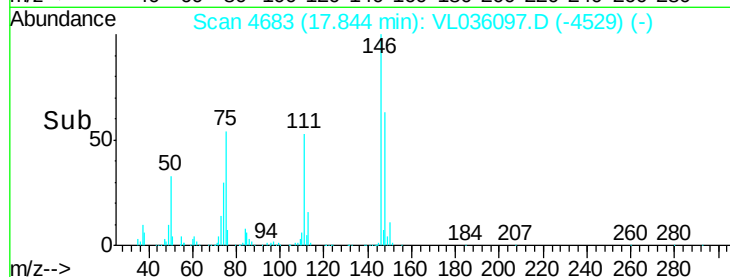
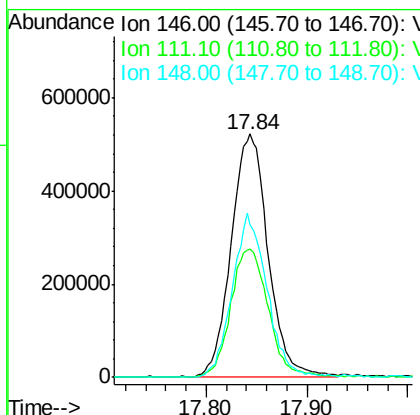
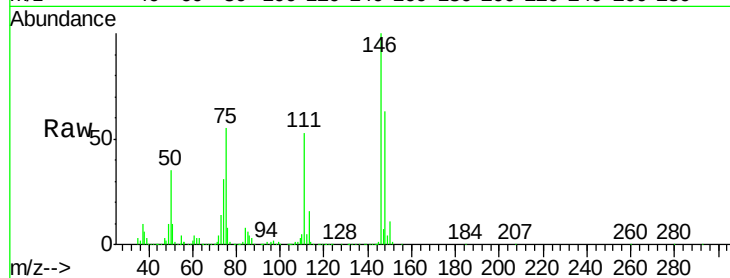
Instrument :
MSVOA_L

ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
146	100		
111	53.7	26.1	78.2
148	63.6	33.1	99.5

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#78

Hexachloro-1,3-Butadiene

Concen: 8.395 ppbv

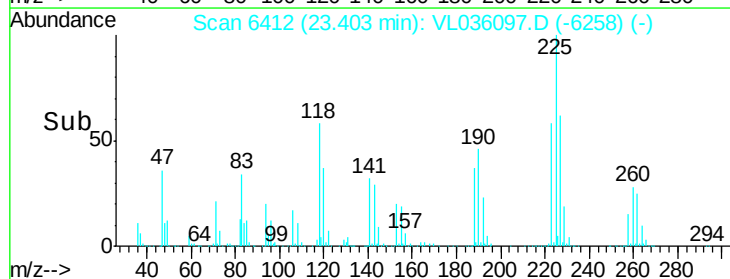
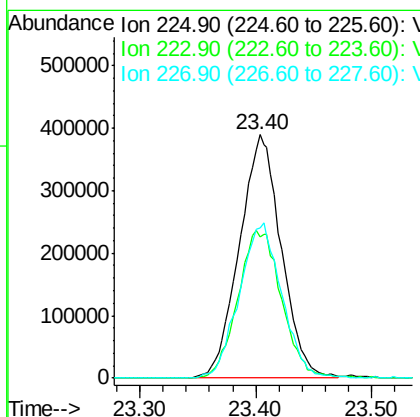
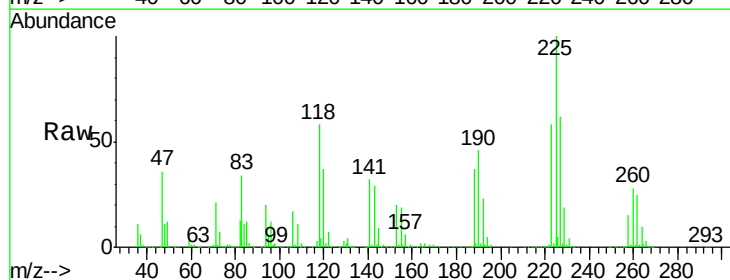
RT: 23.40 min Scan# 6412

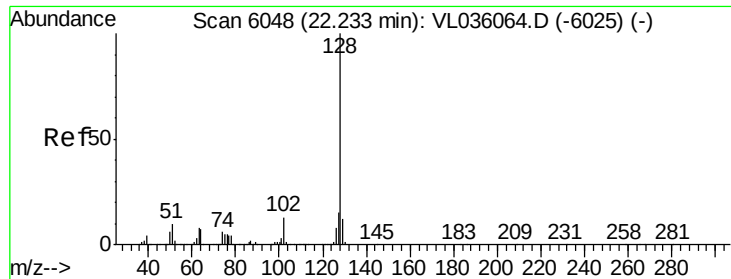
Delta R.T. -0.00 min

Lab File: VL036097.D

Acq: 8 Dec 2020 15:07

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.7	51.1	76.7
227	64.8	51.7	77.5





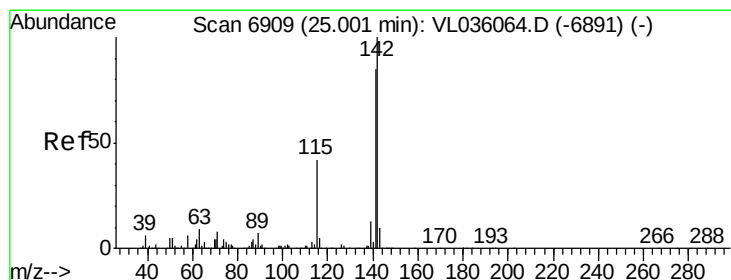
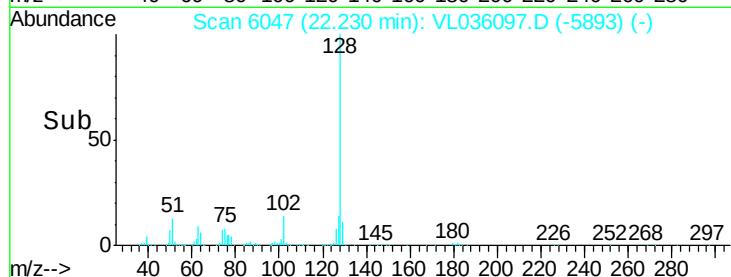
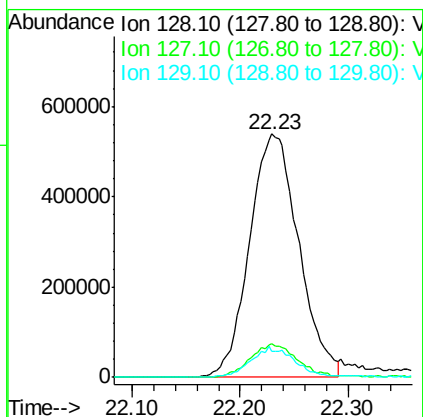
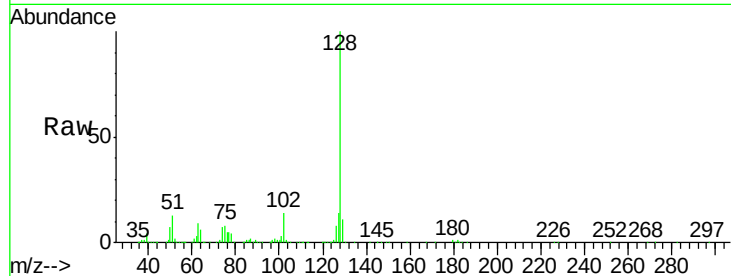
#79
Naphthalene
Concen: 11.073 ppbv
RT: 22.23 min Scan# 6047
Delta R.T. -0.00 min
Lab File: VL036097.D
Acq: 8 Dec 2020 15:07

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.9	11.7	17.5
129	10.8	9.3	13.9

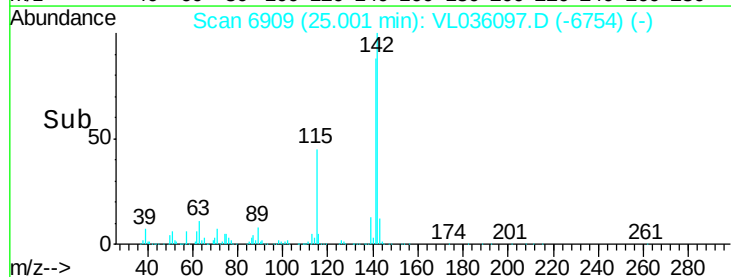
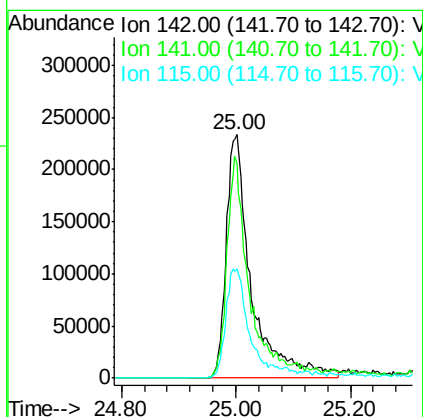
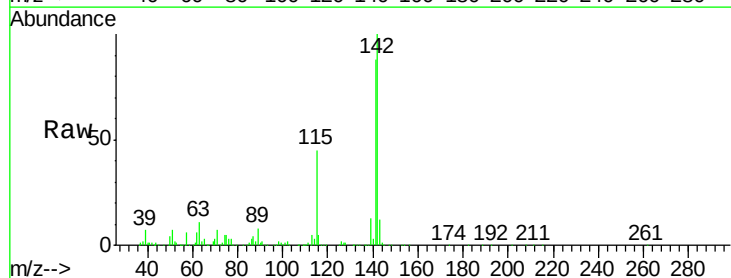
Manual Integrations
APPROVED

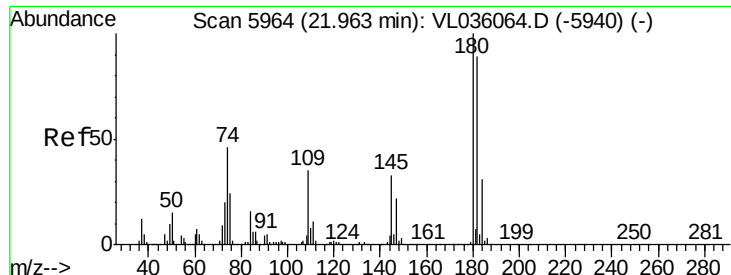
MMDadoda
12/11/2020 12:23:03 PM



#80
Naphthalene, 2-methyl-
Concen: 20.603 ppbv
RT: 25.00 min Scan# 6909
Delta R.T. -0.00 min
Lab File: VL036097.D
Acq: 8 Dec 2020 15:07

Tgt Ion	Ratio	Lower	Upper
142	100		
141	80.8	64.3	96.5
115	45.5	33.9	50.9





#81
 1,2,4-Trichlorobenzene
 Concen: 9.932 ppbv
 RT: 21.96 min Scan# 5963
 Delta R.T. -0.00 min
 Lab File: VL036097.D
 Acq: 8 Dec 2020 15:07

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion	Ratio	Lower	Upper
180	100		
182	97.2	0.0	0.0#
184	30.7	0.0	0.0#

Manual Integrations
 APPROVED

MMDadoda
 12/11/2020 12:23:03 PM

