

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL011321\
 Data File : VL036219.D
 Acq On : 13 Jan 2021 9:38
 Operator : SY/AP
 Sample : VL0113ABS01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0113ABS01

Manual Integrations
 APPROVED

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 1/18/2021 3:49:11 PM

Quant Time: Jan 14 16:20:34 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL011321AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Jan 14 16:20:34 2021
 QLast Update : Thu Jan 14 16:13:38 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1473879	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	3318776	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.09	117	3177473m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.41	95	2629874	10.00	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.00%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.04	85	1682395	8.515	ppbv	100
3) Chlorodifluoromethane	2.98	51	1688445	9.328	ppbv	100
4) Chloromethane	3.13	50	798119	8.921	ppbv	96
5) Vinyl Chloride	3.25	62	806448	9.526	ppbv	98
6) Bromomethane	3.47	94	432807m	9.145	ppbv	
7) Chloroethane	3.56	64	276947	9.499	ppbv	97
8) Dichlorotetrafluoroethane	3.18	85	1744102	9.112	ppbv	100
9) Propene	3.00	41	772975	8.967	ppbv	99
10) Heptane	8.12	43	2012466	9.406	ppbv	100
11) Trichlorofluoromethane	3.94	101	1778795	8.856	ppbv	97
12) 1,1,2-Trichlorotrifluoroet	4.48	101	1139721	9.359	ppbv	98
13) Ethanol	3.60	45	108931m	8.048	ppbv	
14) Bromoethene	3.74	108	510184	9.201	ppbv	99
15) Acetone	3.84	43	1471920	8.154	ppbv	98
16) 1,3-Butadiene	3.32	39	828648	9.423	ppbv	98
17) tert-Butyl alcohol	4.29	59	1414127	9.494	ppbv	99
18) 1,1-Dichloroethene	4.29	96	520986m	9.228	ppbv	
19) Isopropyl Alcohol	3.96	45	964067	8.859	ppbv #	97
20) Methylene Chloride	4.34	84	464528m	8.063	ppbv	
21) Allyl Chloride	4.41	41	954032	9.710	ppbv	97
22) trans-1,2-Dichloroethene	4.88	96	491468	9.422	ppbv	91
23) Vinyl Acetate	5.07	43	2102380	9.612	ppbv	99
24) 1,1-Dichloroethane	5.01	63	1490094	9.405	ppbv	99
25) Ethyl Acetate	5.67	43	3279015	9.048	ppbv	100
26) Hexane	5.68	57	1333821	8.840	ppbv	99
27) Carbon Disulfide	4.55	76	1335435	11.069	ppbv	100
28) Methyl tert-Butyl Ether	5.03	73	1880294	9.215	ppbv	98
29) Chloroform	5.75	83	2039614	9.441	ppbv	98
30) Cyclohexane	7.13	84	1109574	9.623	ppbv	97
31) cis-1,2-Dichloroethene	5.55	61	1400472	9.711	ppbv	95
32) 1,1,1-Trichloroethane	6.51	97	2011585	9.627	ppbv	99
34) 2-Butanone	5.24	43	2121626	8.681	ppbv	99
35) Carbon Tetrachloride	7.02	117	2020401	9.635	ppbv	97
36) Benzene	6.89	78	2768603	9.104	ppbv	98
37) 1,2-Dichloroethane	6.30	62	1715165	9.373	ppbv	100
38) Trichloroethene	7.83	130	886542	7.871	ppbv	96
39) 1,2-Dichloropropane	7.61	63	1154640	9.352	ppbv	97
40) 1,4-Dioxane	7.83	88	368037m	8.240	ppbv	
41) Tetrahydrofuran	6.05	42	1313922	9.302	ppbv	96
42) Bromodichloromethane	7.79	83	2229330	9.693	ppbv	98
43) Methyl Methacrylate	8.01	69	1244118	9.627	ppbv	100

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Manual Integrations
 APPROVED

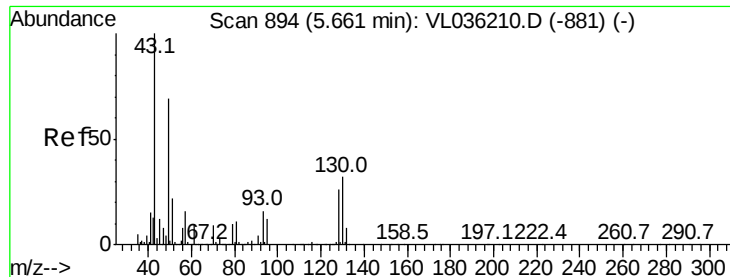
MMDadoda
 1/18/2021 3:49:11 PM

Quant Time: Jan 14 16:20:34 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL011321AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Jan 14 16:13:38 2021
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

44) 2,2,4-Trimethylpentane	7.87	57	4827559	8.643	ppbv	99
45) t-1,3-Dichloropropene	9.28	75	1378513	11.231	ppbv	100
46) cis-1,3-Dichloropropene	8.70	75	1657597	10.509	ppbv	99
47) 1,1,2-Trichloroethane	9.47	97	1082574	9.165	ppbv	96
48) Dibromochloromethane	10.30	129	1764555	10.211	ppbv	99
49) Bromoform	13.04	173	1455393	10.090	ppbv	100
50) 4-Methyl-2-Pentanone	8.74	43	3373539	9.257	ppbv	99
51) 2-Hexanone	10.13	43	2821928	9.816	ppbv #	100
52) Tetrachloroethene	11.22	164	885290	7.900	ppbv	98
53) Toluene	9.80	91	3124411	9.185	ppbv	100
54) 1,2-Dibromoethane	10.61	107	1598854	9.132	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.13	131	1293010	9.119	ppbv #	57
57) Chlorobenzene	12.15	112	2162028	8.672	ppbv	99
58) Ethyl Benzene	12.71	91	4222441	8.955	ppbv	100
59) m/p-Xylene	12.99	91	7039769m	17.375	ppbv	
60) o-Xylene	13.69	91	3290422	8.425	ppbv	100
61) Styrene	13.53	104	2370829	9.614	ppbv	100
62) Isopropylbenzene	14.67	105	4935011	8.499	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.68	83	2304112	7.924	ppbv	100
64) n-propylbenzene	15.56	120	1268600	8.892	ppbv	100
65) tert-Butylbenzene	16.74	119	4153040	8.441	ppbv	99
66) Benzyl Chloride	17.00	91	1458026	11.599	ppbv	98
67) sec-Butylbenzene	17.29	105	6012363	8.232	ppbv	100
69) p-Isopropyltoluene	17.65	119	4933805	8.518	ppbv	100
70) n-Butylbenzene	18.55	91	5279017	8.553	ppbv	99
71) 2-Chlorotoluene	15.45	91	3927696	8.606	ppbv	100
72) 4-Ethyltoluene	15.84	105	3940382	8.941	ppbv	98
73) 1,3,5-Trimethylbenzene	16.00	105	3707497	8.825	ppbv	97
74) 1,2,4-Trimethylbenzene	16.77	105	3666102	8.507	ppbv	95
75) 1,3-Dichlorobenzene	17.00	146	1946452	8.422	ppbv	99
76) 1,4-Dichlorobenzene	17.14	146	1967077	8.615	ppbv	99
77) 1,2-Dichlorobenzene	17.82	146	1956079	8.665	ppbv	98
78) Hexachloro-1,3-Butadiene	23.38	225	1450827	8.035	ppbv	99
79) Naphthalene	22.20	128	2788852	11.071	ppbv	99
80) Naphthalene, 2-methyl-	24.97	142	1007972	18.753	ppbv	96
81) 1,2,4-Trichlorobenzene	21.93	180	1421765	9.668	ppbv	99

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 min Scan# 895

Delta R.T. 0.00 min

Lab File: VL036219.D

Acq: 13 Jan 2021 9:38

Instrument :

MSVOA_L

ClientSampleId :

VL0113ABS01

Tot Ion: 49 Resp: 1473879

Ion Ratio Lower Upper

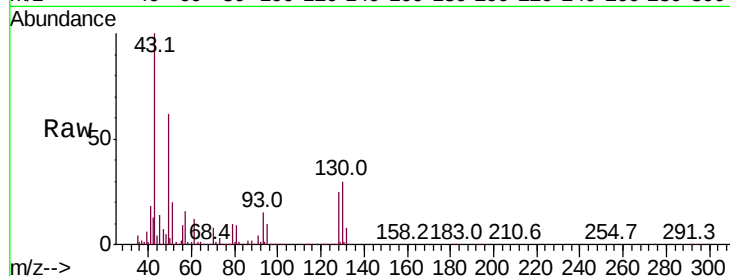
49 100

128 40.8 20.1 60.2

130 51.1 25.3 75.9

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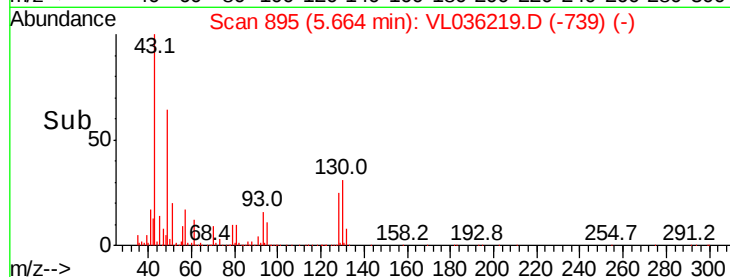
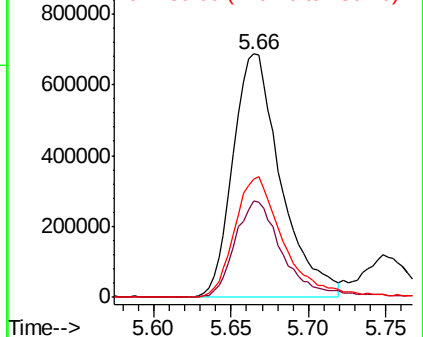
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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 8.515 ppbv

RT: 3.04 min Scan# 80

Delta R.T. 0.00 min

Lab File: VL036219.D

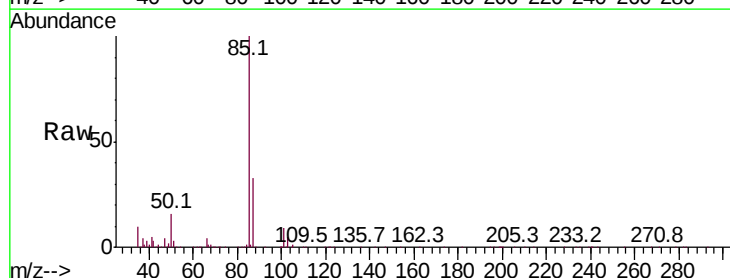
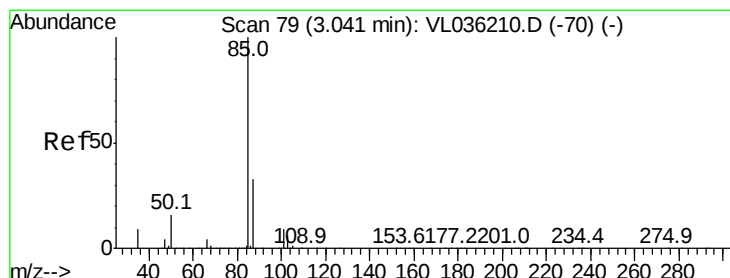
Acq: 13 Jan 2021 9:38

Tgt Ion: 85 Resp: 1682395

Ion Ratio Lower Upper

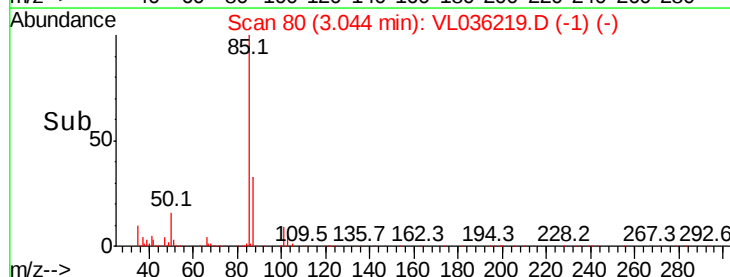
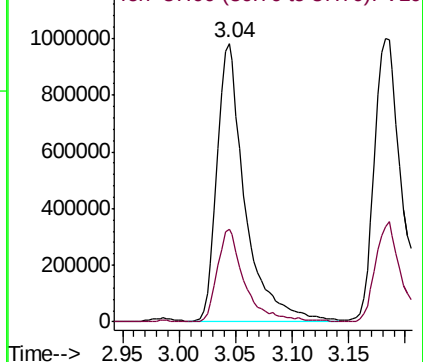
85 100

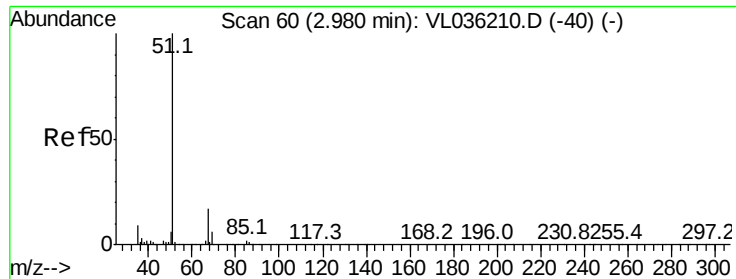
87 33.3 26.4 39.6



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 9.328 ppbv

RT: 2.98 min Scan# 61

Delta R.T. 0.00 min

Lab File: VL036219.D

Acq: 13 Jan 2021 9:38

Instrument :

MSVOA_L

ClientSampleId :

VL0113ABS01

Tot Ion: 51 Resp: 1688445

Ion Ratio Lower Upper

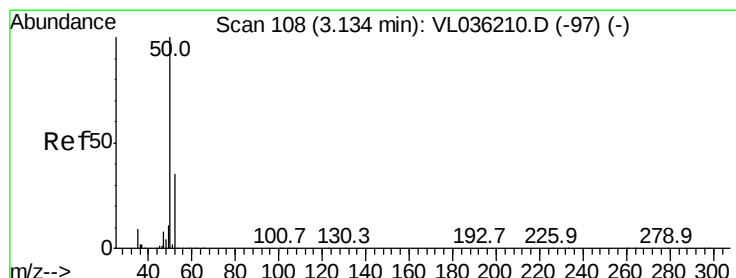
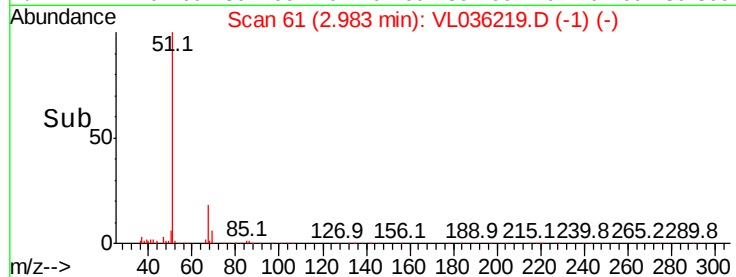
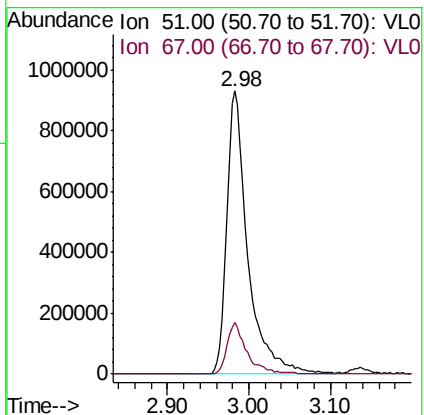
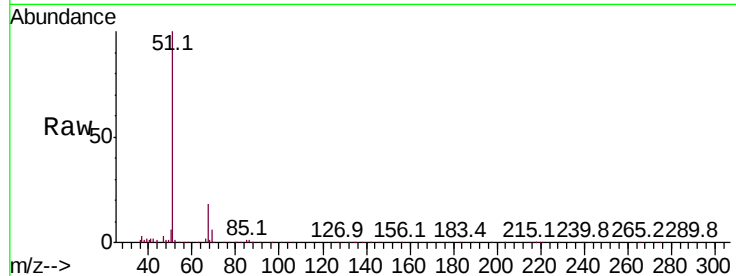
51 100

67 17.5 14.0 21.0

Manual Integrations
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#4

Chloromethane

Concen: 8.921 ppbv

RT: 3.13 min Scan# 108

Delta R.T. -0.00 min

Lab File: VL036219.D

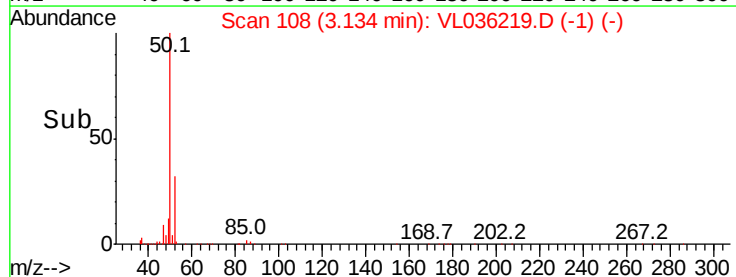
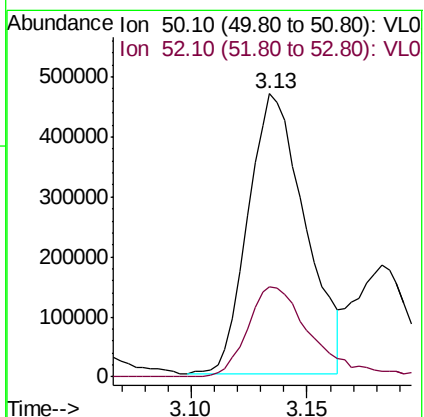
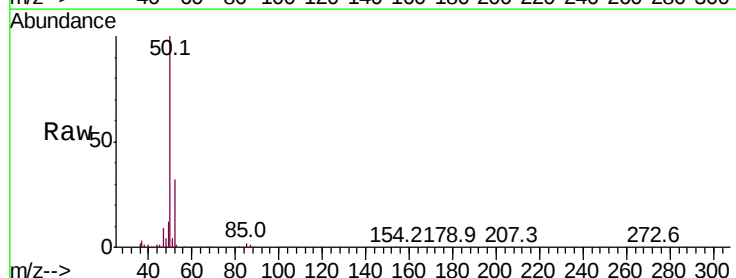
Acq: 13 Jan 2021 9:38

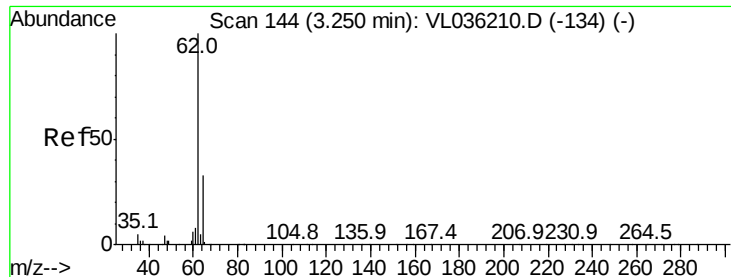
Tgt Ion: 50 Resp: 798119

Ion Ratio Lower Upper

50 100

52 32.3 27.8 41.8





#5

Vinyl Chloride

Concen: 9.526 ppbv

RT: 3.25 min Scan# 145

Delta R.T. 0.00 min

Lab File: VL036219.D

Acq: 13 Jan 2021 9:38

Instrument :

MSVOA_L

ClientSampleId :

VL0113ABS01

Tot Ion: 62 Resp: 806448

Ion Ratio Lower Upper

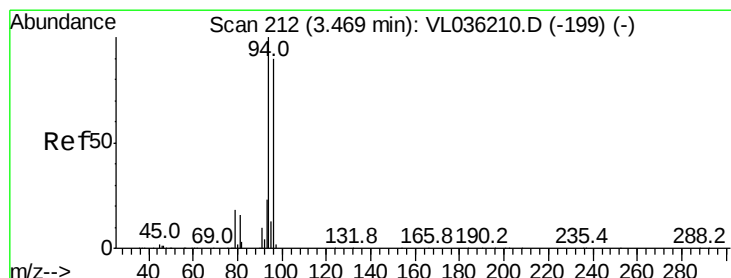
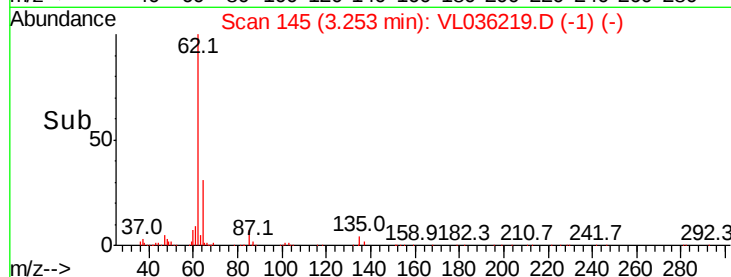
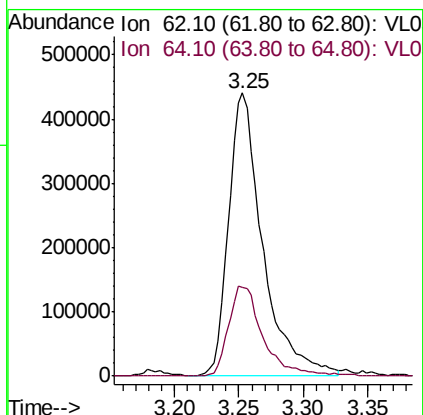
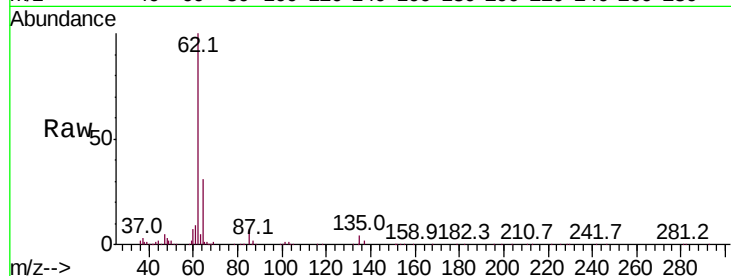
62 100

64 31.5 26.2 39.2

Manual Integrations
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#6

Bromomethane

Concen: 9.145 ppbv m

RT: 3.47 min Scan# 212

Delta R.T. -0.00 min

Lab File: VL036219.D

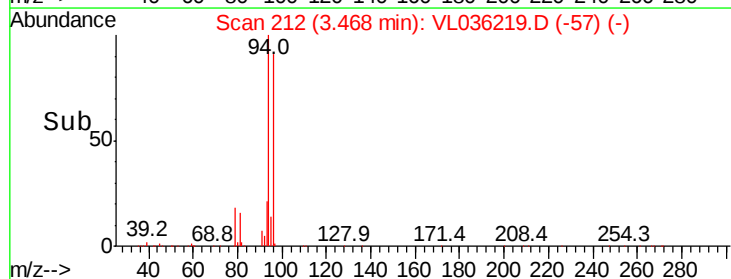
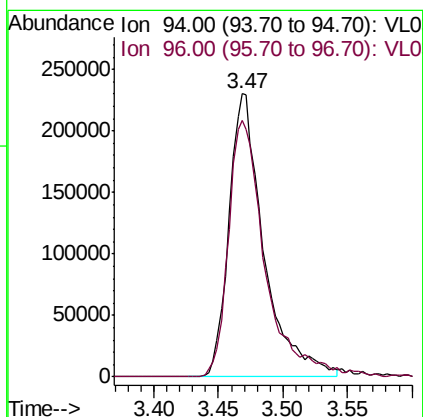
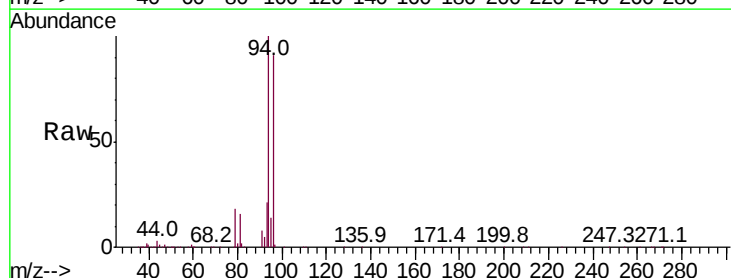
Acq: 13 Jan 2021 9:38

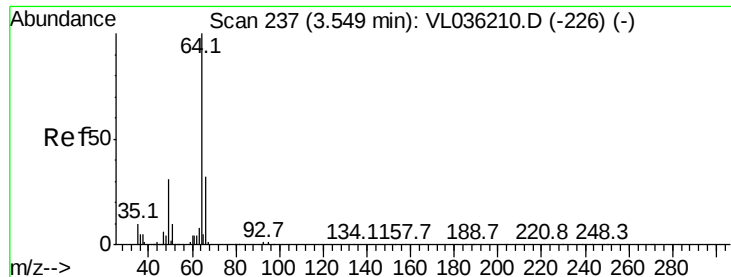
Tgt Ion: 94 Resp: 432807

Ion Ratio Lower Upper

94 100

96 90.8 71.9 107.9





#7

Chloroethane

Concen: 9.499 ppbv

RT: 3.56 min Scan# 239

Delta R.T. 0.01 min

Lab File: VL036219.D

Acq: 13 Jan 2021 9:38

Instrument :

MSVOA_L

ClientSampleId :

VL0113ABS01

Tot Ion: 64 Resp: 276947

Ion Ratio Lower Upper

64 100

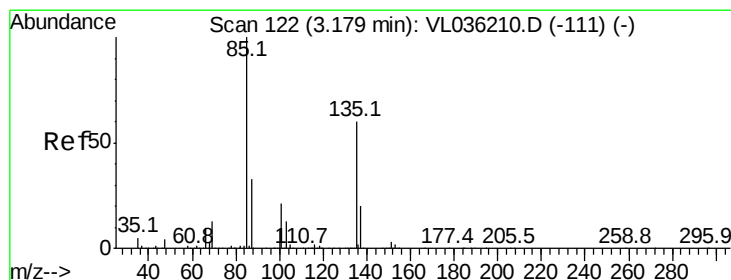
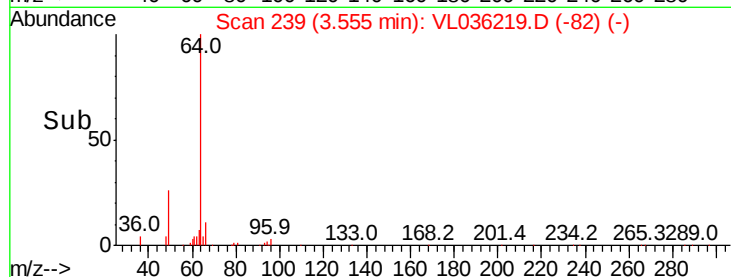
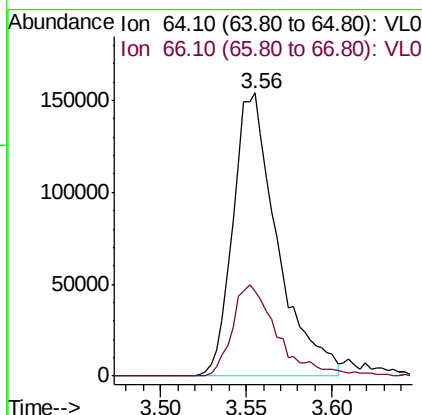
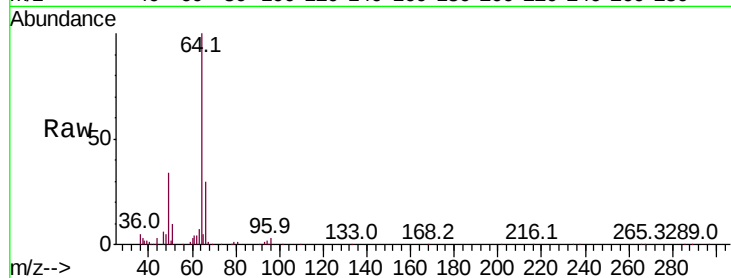
66 29.9 25.2 37.8

Manual Integrations

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#8

Dichlorotetrafluoroethane

Concen: 9.112 ppbv

RT: 3.18 min Scan# 123

Delta R.T. 0.00 min

Lab File: VL036219.D

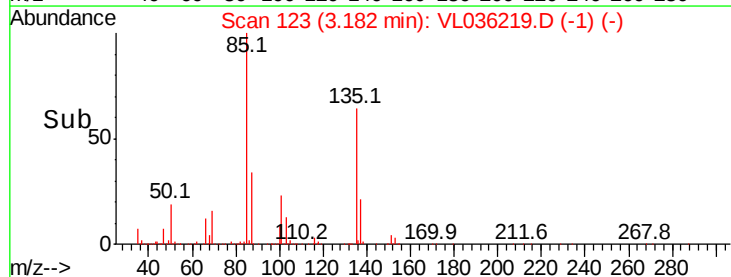
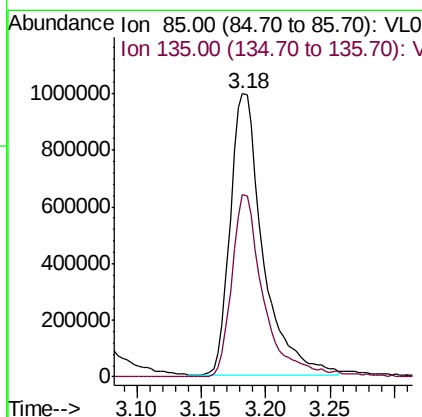
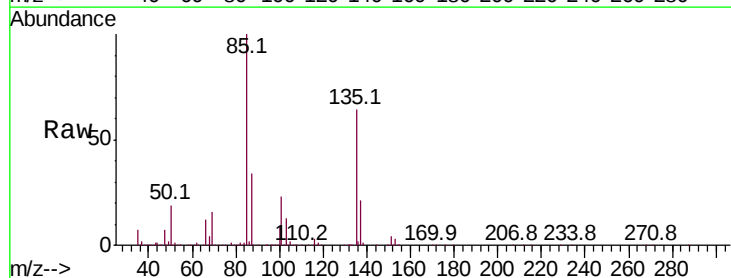
Acq: 13 Jan 2021 9:38

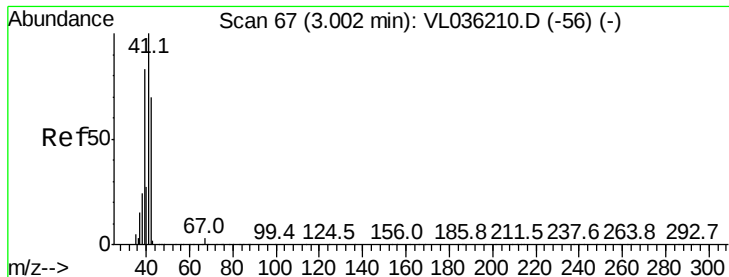
Tgt Ion: 85 Resp: 1744102

Ion Ratio Lower Upper

85 100

135 64.4 51.5 77.3





#9

Propene

Concen: 8.967 ppbv

RT: 3.00 min Scan# 67

Delta R.T. -0.00 min

Lab File: VL036219.D

Acq: 13 Jan 2021 9:38

Instrument :

MSVOA_L

ClientSampleId :

VL0113ABS01

Tot Ion: 41 Resp: 772975

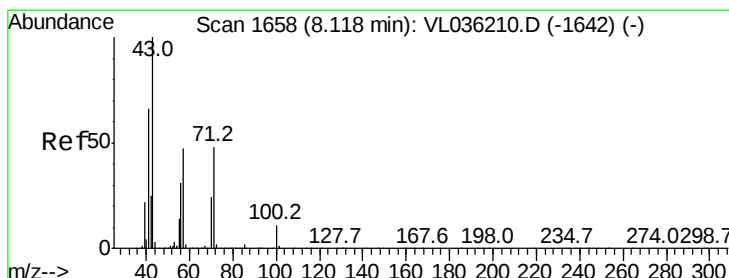
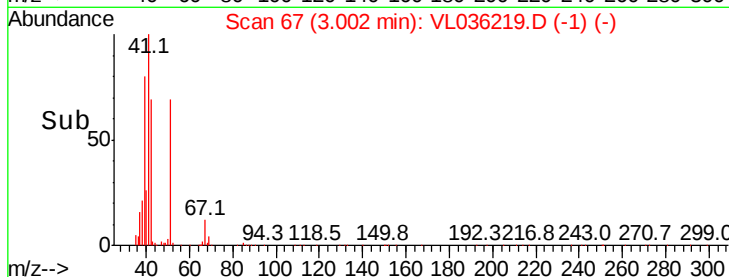
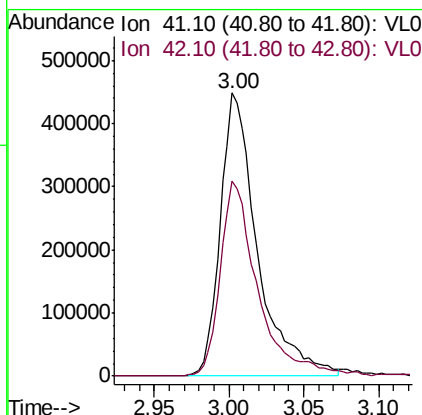
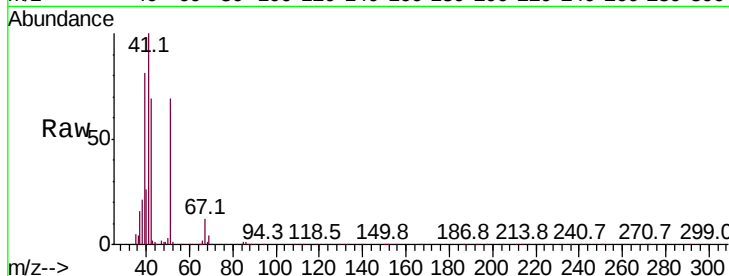
Ion Ratio Lower Upper

41 100

42 70.9 57.1 85.7

Manual Integrations
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#10

Heptane

Concen: 9.406 ppbv

RT: 8.12 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VL036219.D

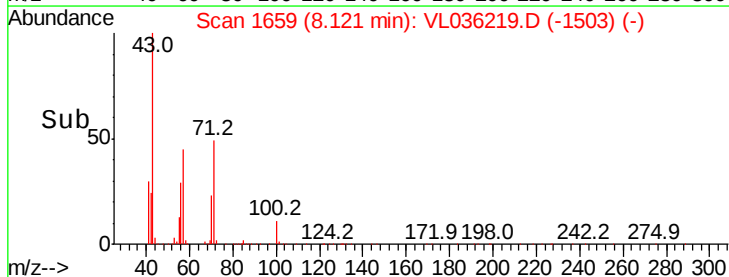
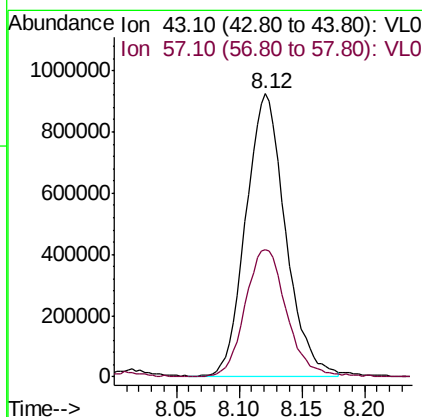
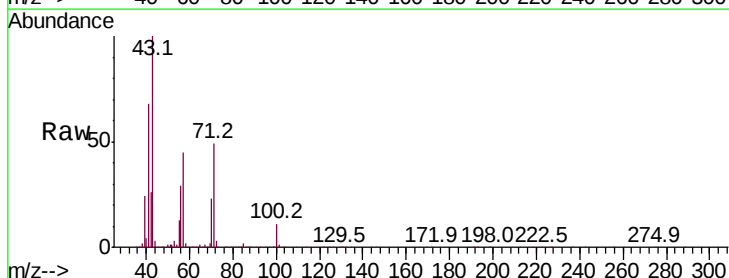
Acq: 13 Jan 2021 9:38

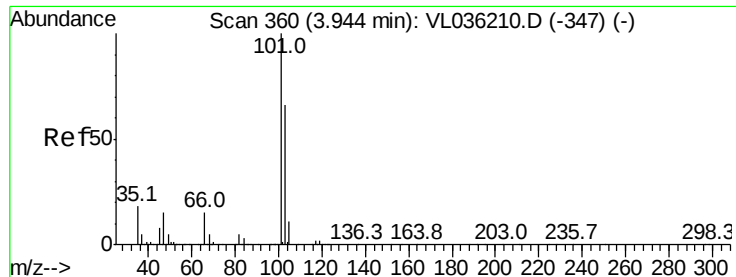
Tgt Ion: 43 Resp: 2012466

Ion Ratio Lower Upper

43 100

57 47.7 38.1 57.1





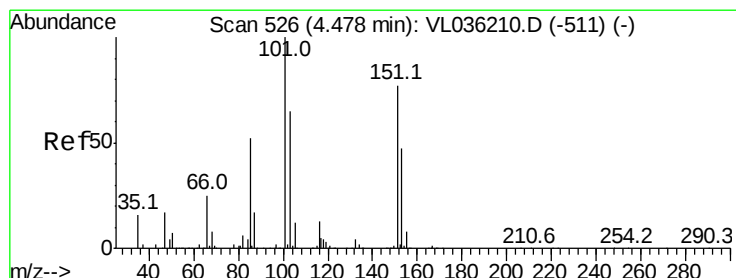
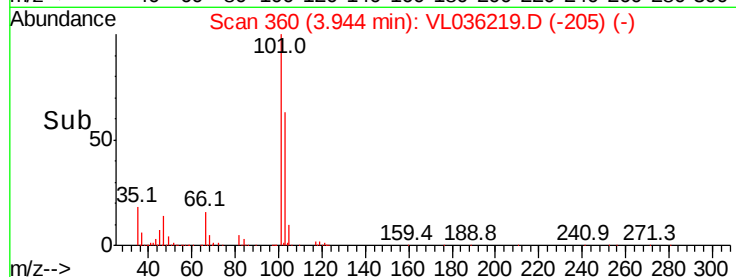
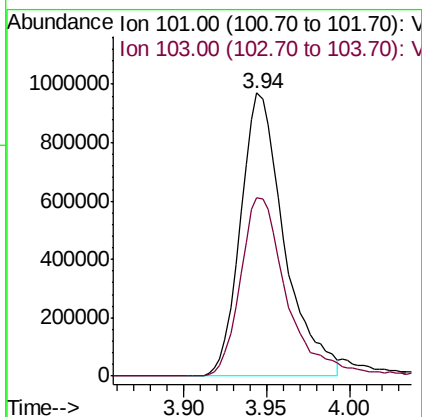
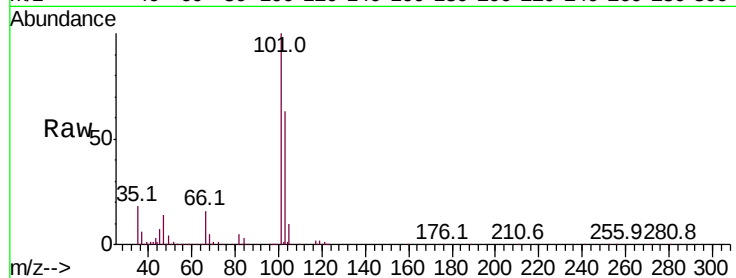
#11
 Trichlorofluoromethane
 Concen: 8.856 ppbv
 RT: 3.94 min Scan# 360
 Delta R.T. -0.00 min
 Lab File: VL036219.D
 Acq: 13 Jan 2021 9:38

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0113ABS01

Tot Ion:101 Resp: 1778795
 Ion Ratio Lower Upper
 101 100
 103 63.2 52.6 78.8

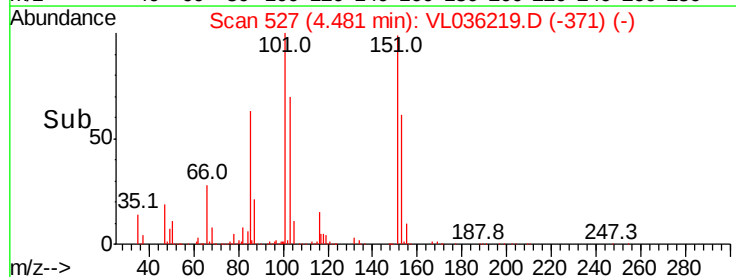
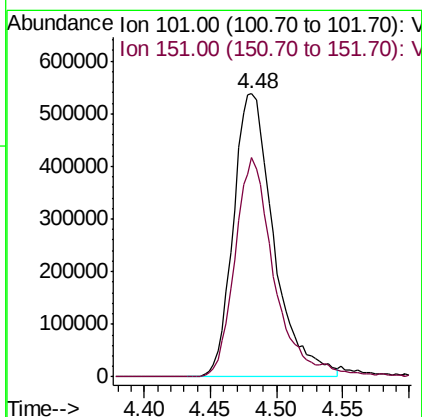
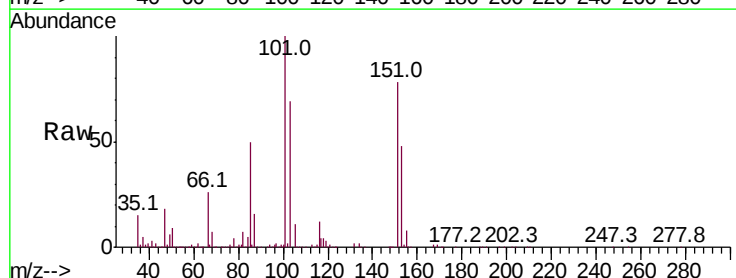
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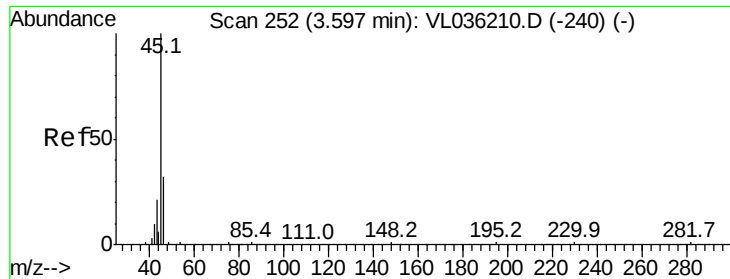
MMDadoda
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#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.359 ppbv
 RT: 4.48 min Scan# 527
 Delta R.T. 0.00 min
 Lab File: VL036219.D
 Acq: 13 Jan 2021 9:38

Tgt Ion:101 Resp: 1139721
 Ion Ratio Lower Upper
 101 100
 151 76.1 59.8 89.6





#13

Ethanol

Concen: 8.048 ppbv m

RT: 3.60 min Scan# 253

Delta R.T. 0.00 min

Lab File: VL036219.D

Acq: 13 Jan 2021 9:38

Instrument :

MSVOA_L

ClientSampleId :

VL0113ABS01

Tot Ion: 45 Resp: 108931

Ion Ratio Lower Upper

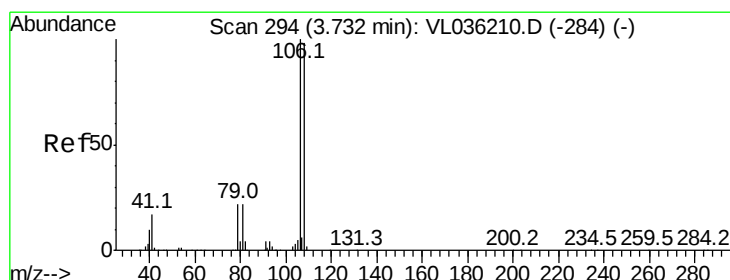
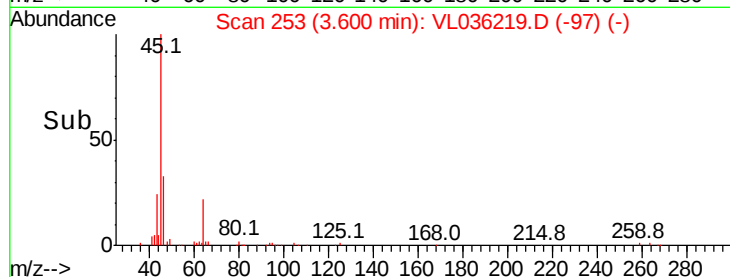
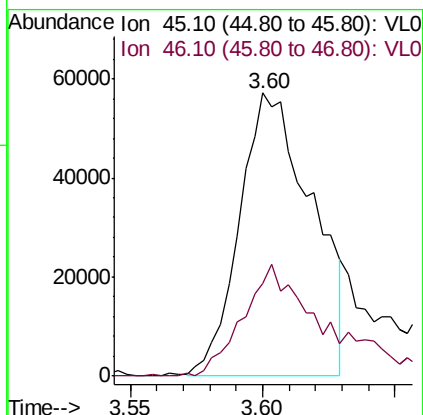
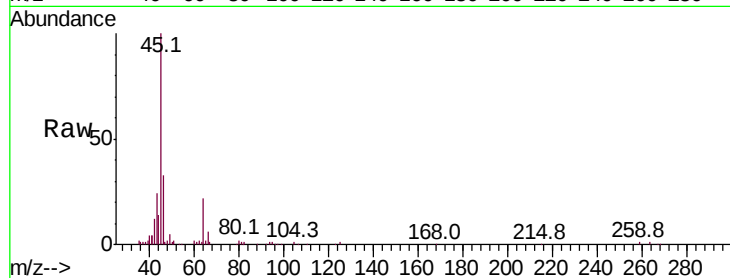
45 100

46 47.8 19.2 77.0

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#14

Bromoethene

Concen: 9.201 ppbv

RT: 3.74 min Scan# 295

Delta R.T. 0.00 min

Lab File: VL036219.D

Acq: 13 Jan 2021 9:38

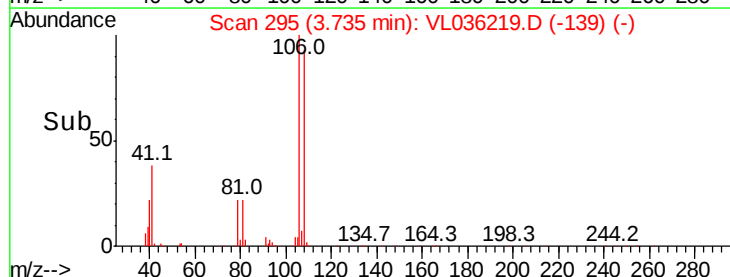
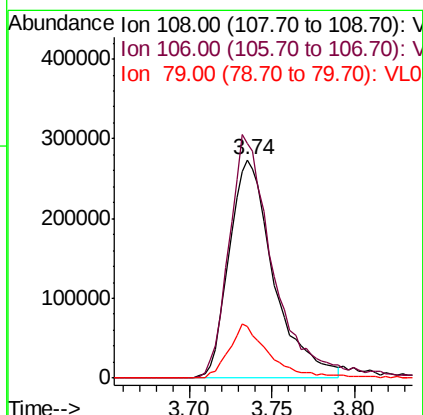
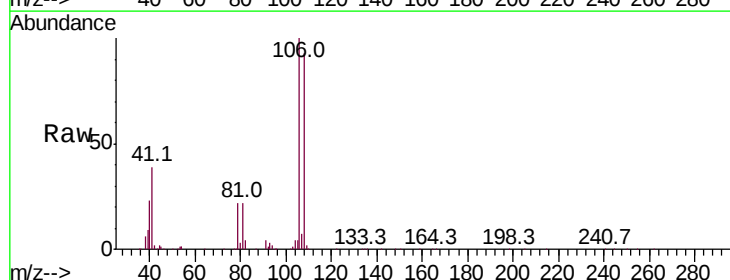
Tgt Ion: 108 Resp: 510184

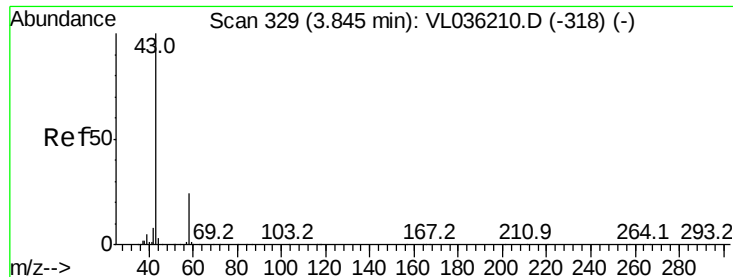
Ion Ratio Lower Upper

108 100

106 113.3 91.4 137.2

79 23.4 18.3 27.5





#15

Acetone

Concen: 8.154 ppbv

RT: 3.84 min Scan# 329

Delta R.T. -0.00 min

Lab File: VL036219.D

Acq: 13 Jan 2021 9:38

Instrument :

MSVOA_L

ClientSampleId :

VL0113ABS01

Tot Ion: 43 Resp: 1471920

Ion Ratio Lower Upper

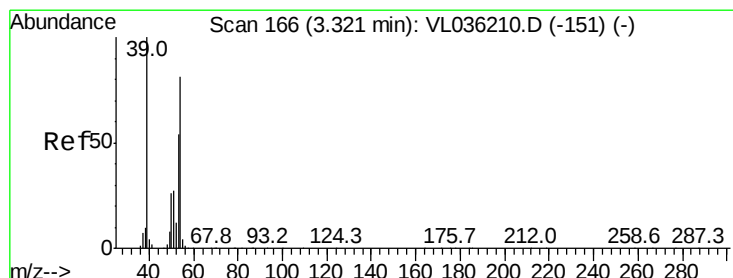
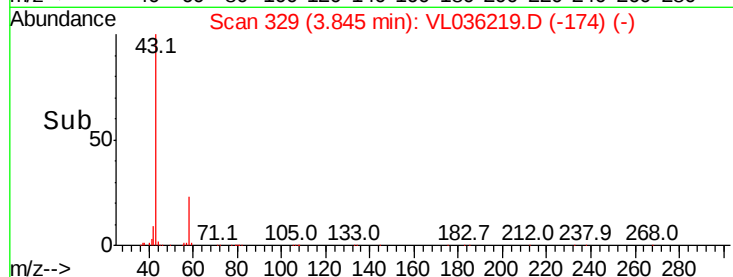
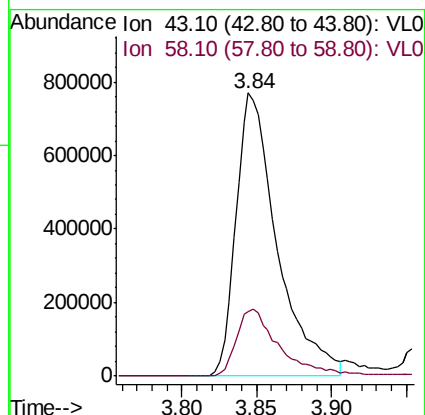
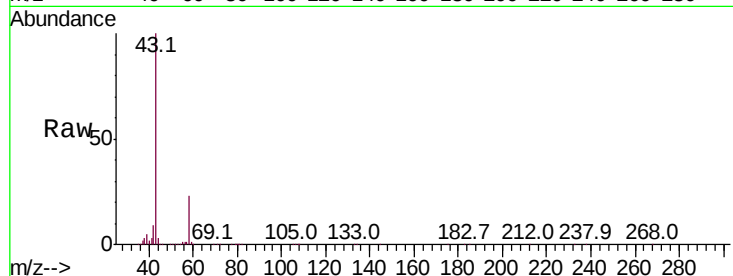
43 100

58 25.1 20.9 31.3

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#16

1,3-Butadiene

Concen: 9.423 ppbv

RT: 3.32 min Scan# 166

Delta R.T. -0.00 min

Lab File: VL036219.D

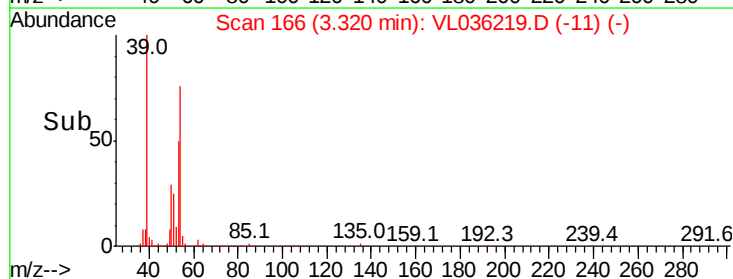
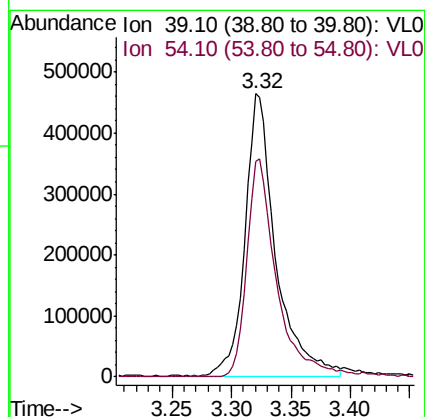
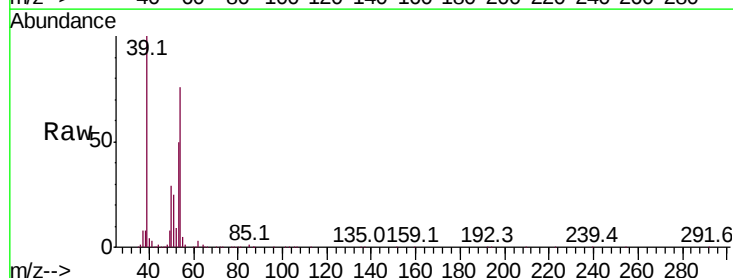
Acq: 13 Jan 2021 9:38

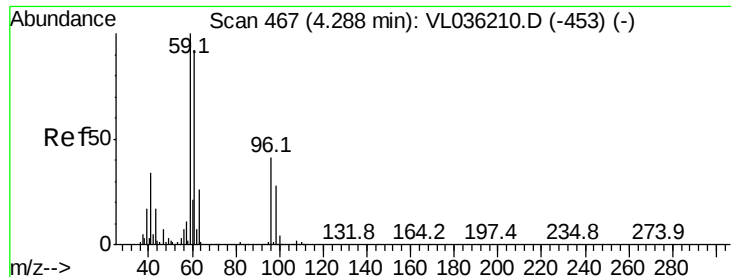
Tgt Ion: 39 Resp: 828648

Ion Ratio Lower Upper

39 100

54 75.9 62.5 93.7





#17

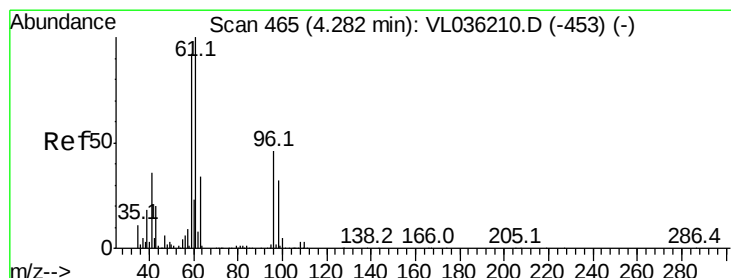
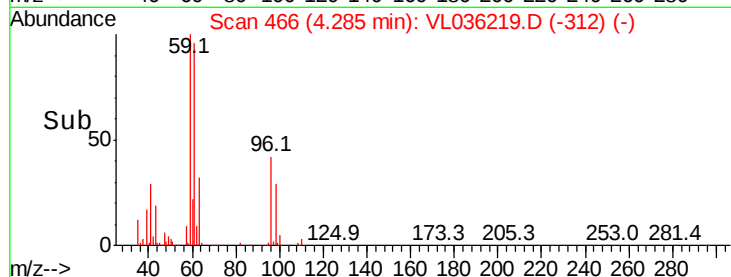
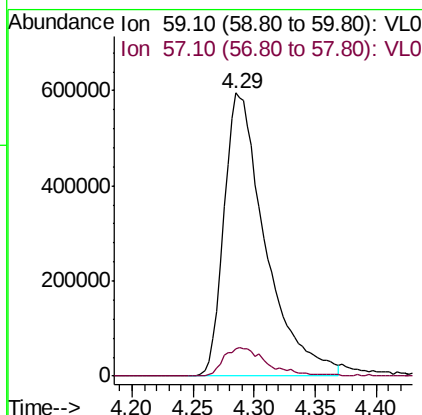
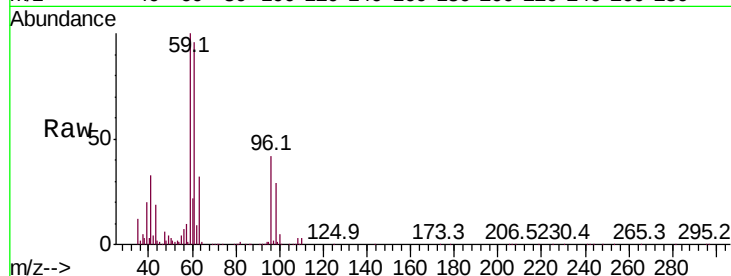
tert-Butyl alcohol
Concen: 9.494 ppbv
RT: 4.29 min Scan# 466
Delta R.T. -0.00 min
Lab File: VL036219.D
Acq: 13 Jan 2021 9:38

Instrument :
MSVOA_L
ClientSampleId :
VL0113ABS01

Tot Ion: 59 Resp: 1414127
Ion Ratio Lower Upper
59 100
57 11.1 9.2 13.8

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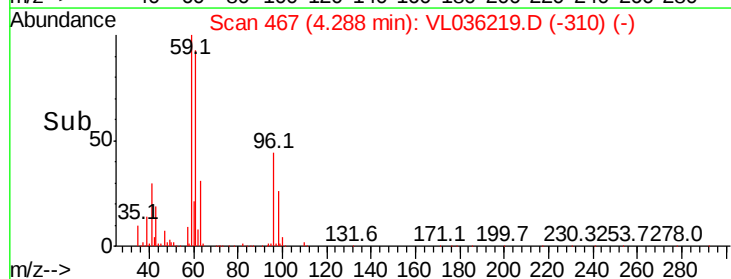
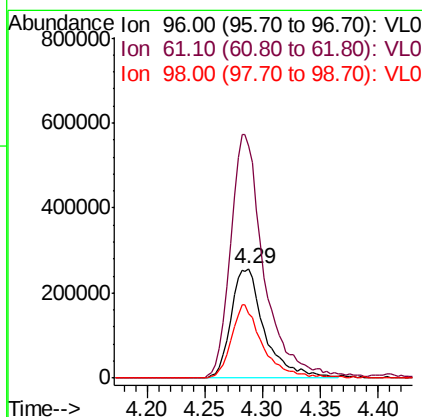
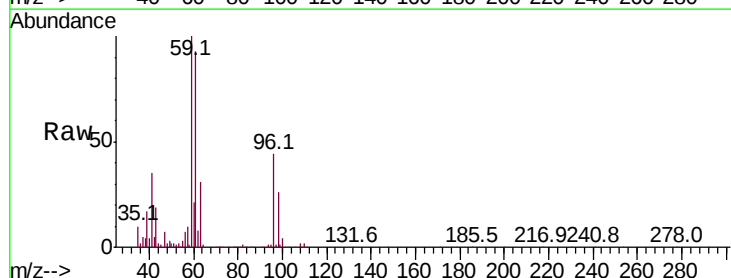
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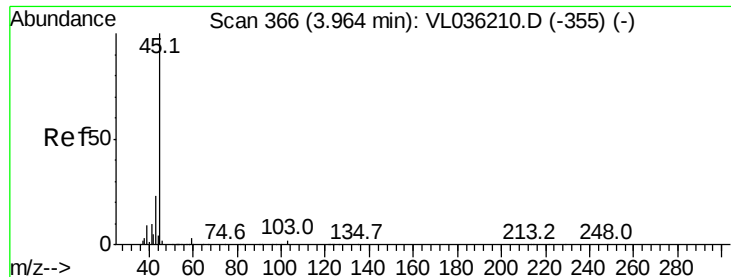


#18

1,1-Dichloroethene
Concen: 9.228 ppbv m
RT: 4.29 min Scan# 467
Delta R.T. 0.01 min
Lab File: VL036219.D
Acq: 13 Jan 2021 9:38

Tgt Ion: 96 Resp: 520986
Ion Ratio Lower Upper
96 100
61 212.0 173.4 260.0
98 58.6 54.9 82.3





#19

Isopropyl Alcohol

Concen: 8.859 ppbv

RT: 3.96 min Scan# 366

Delta R.T. -0.00 min

Lab File: VL036219.D

Acq: 13 Jan 2021 9:38

Instrument :

MSVOA_L

ClientSampleId :

VL0113ABS01

Tot Ion: 45 Resp: 964067

Ion Ratio Lower Upper

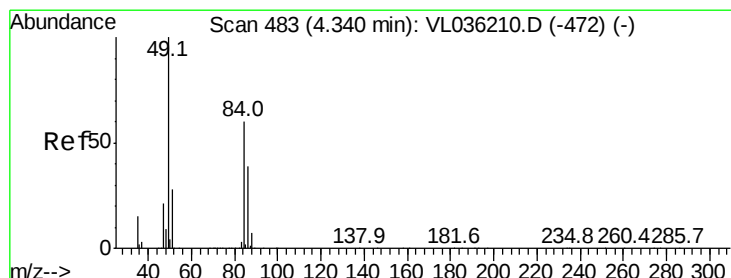
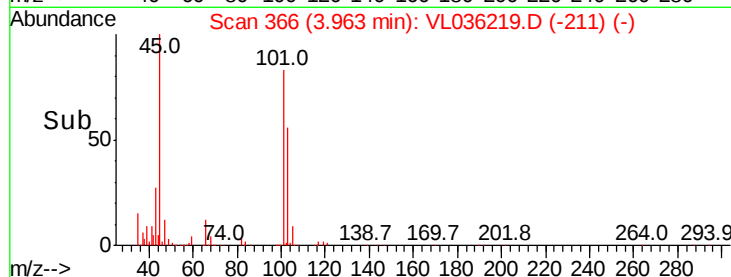
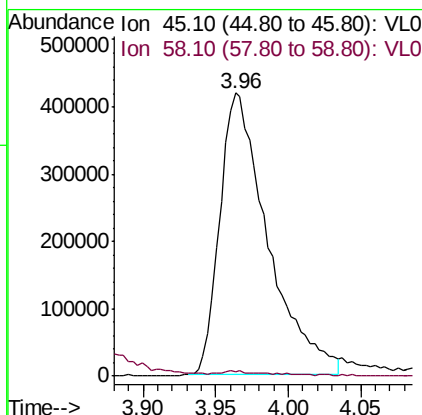
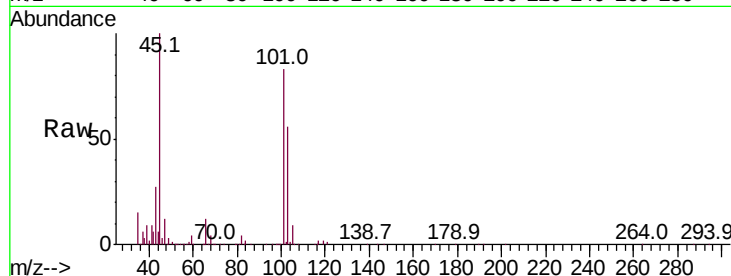
45 100

58 1.4 1.9 2.9#

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#20

Methylene Chloride

Concen: 8.063 ppbv m

RT: 4.34 min Scan# 482

Delta R.T. -0.00 min

Lab File: VL036219.D

Acq: 13 Jan 2021 9:38

Tgt Ion: 84 Resp: 464528

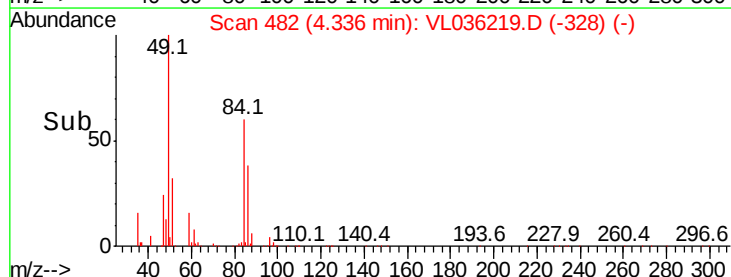
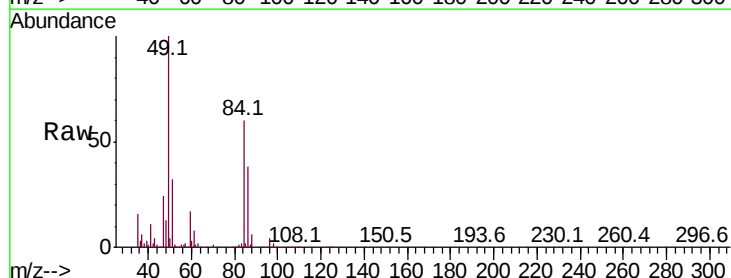
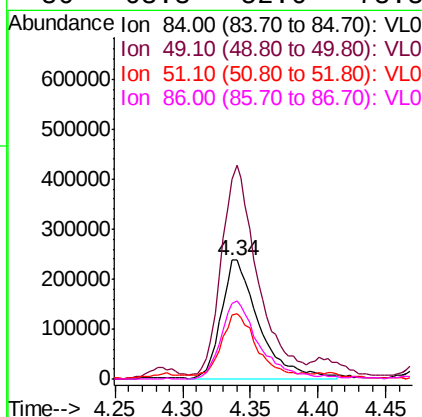
Ion Ratio Lower Upper

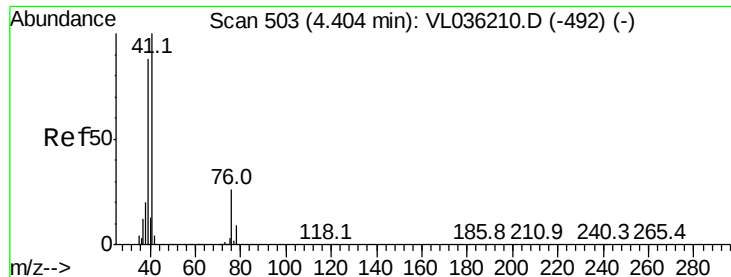
84 100

49 167.8 134.1 201.1

51 53.7 37.4 56.0

86 63.3 52.6 78.8





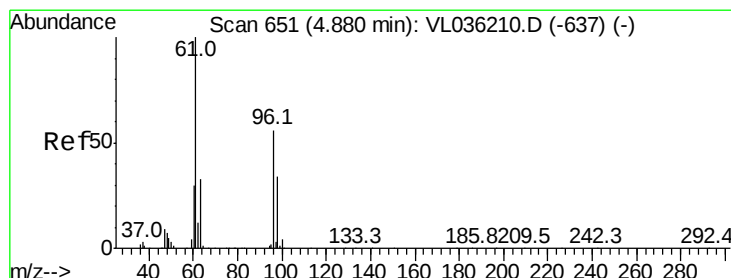
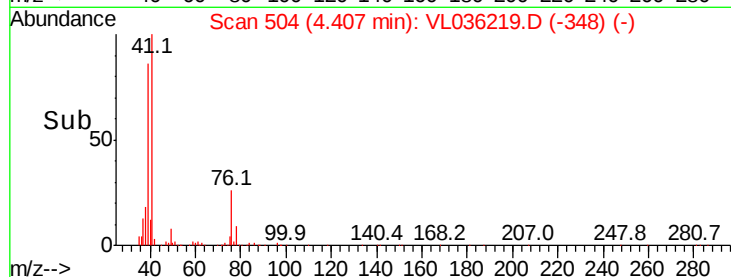
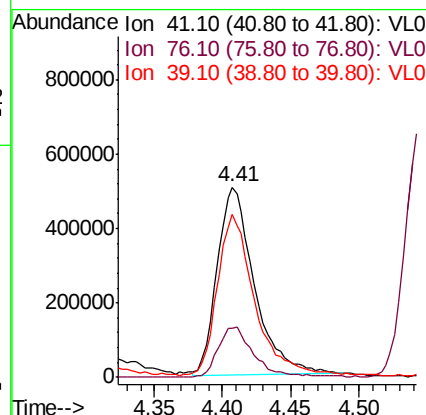
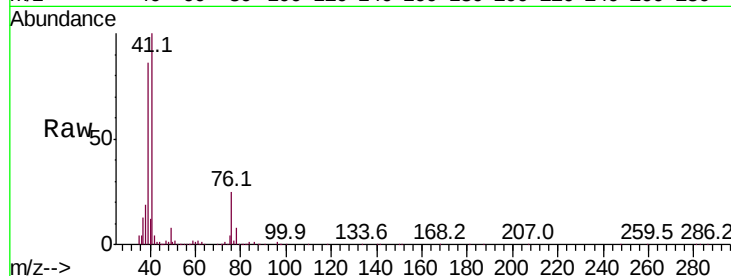
#21
Allvl Chloride
Concen: 9.710 ppbv
RT: 4.41 min Scan# 504
Delta R.T. 0.00 min
Lab File: VL036219.D
Acq: 13 Jan 2021 9:38

Instrument :
MSVOA_L
ClientSampleId :
VL0113ABS01

Tot Ion	Ratio	Lower	Upper
41	100		
76	26.5	20.5	30.7
39	87.6	67.8	101.8

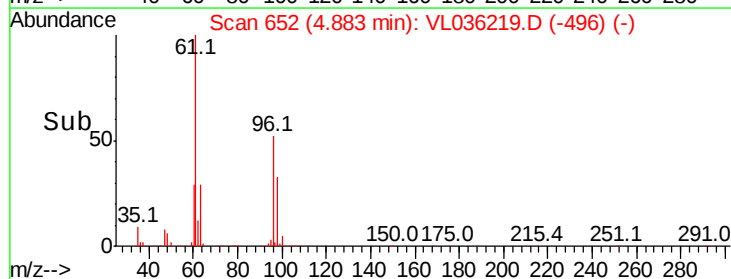
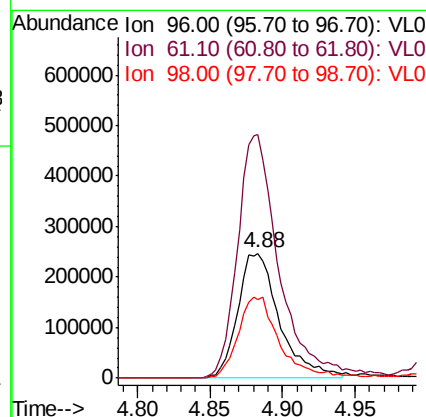
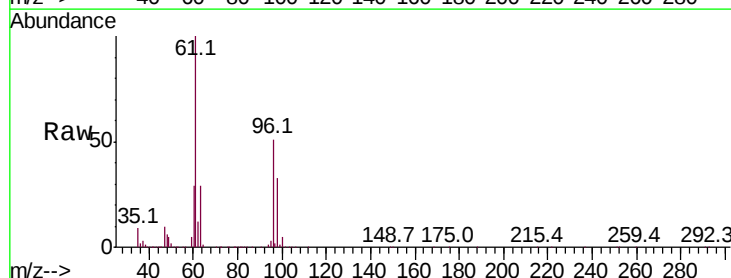
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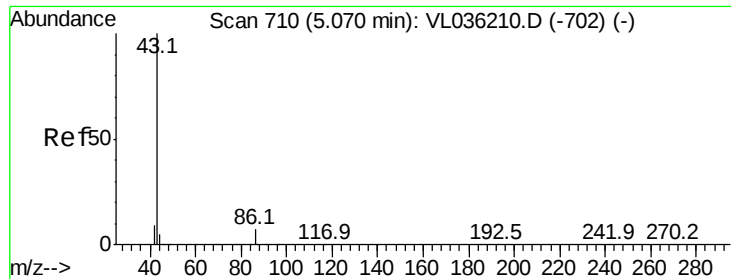
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#22
trans-1,2-Dichloroethene
Concen: 9.422 ppbv
RT: 4.88 min Scan# 652
Delta R.T. 0.00 min
Lab File: VL036219.D
Acq: 13 Jan 2021 9:38

Tgt Ion	Ratio	Lower	Upper
96	100		
61	194.6	142.7	214.1
98	63.3	48.7	73.1





#23

Vinyl Acetate

Concen: 9.612 ppbv

RT: 5.07 min Scan# 711

Delta R.T. 0.00 min

Lab File: VL036219.D

Acq: 13 Jan 2021 9:38

Instrument :

MSVOA_L

ClientSampleId :

VL0113ABS01

Tot Ion: 43 Resp: 2102380

Ion Ratio Lower Upper

43 100

86 6.5 4.9 7.3

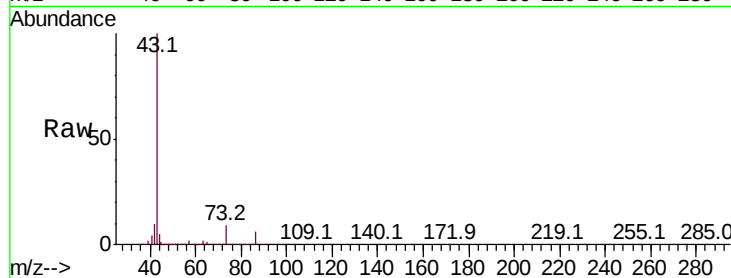
42 9.3 7.8 11.6

44 5.2 3.7 5.5

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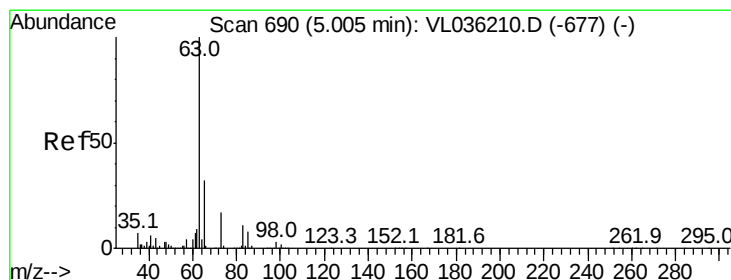
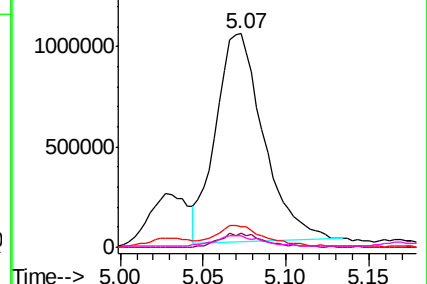
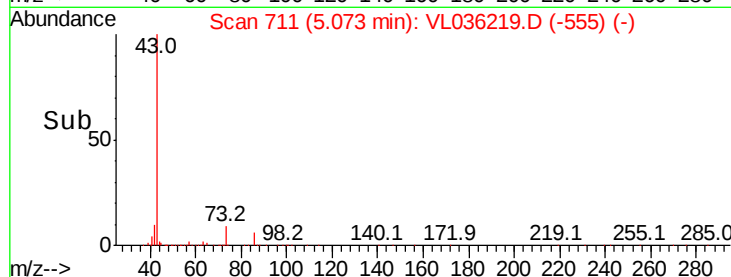


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 9.405 ppbv

RT: 5.01 min Scan# 690

Delta R.T. -0.00 min

Lab File: VL036219.D

Acq: 13 Jan 2021 9:38

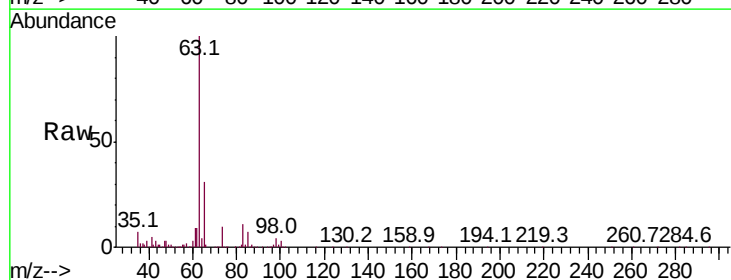
Tgt Ion: 63 Resp: 1490094

Ion Ratio Lower Upper

63 100

98 3.5 1.7 5.1

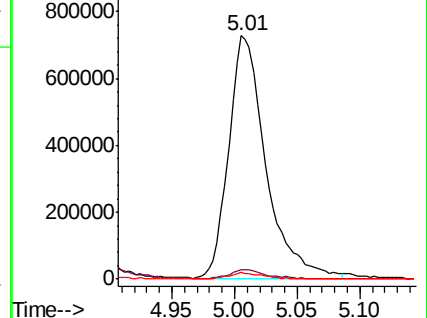
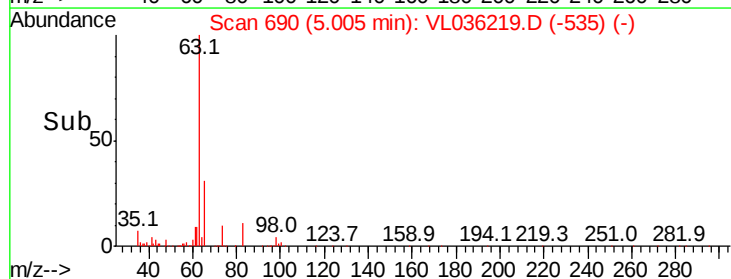
100 2.5 1.1 3.1

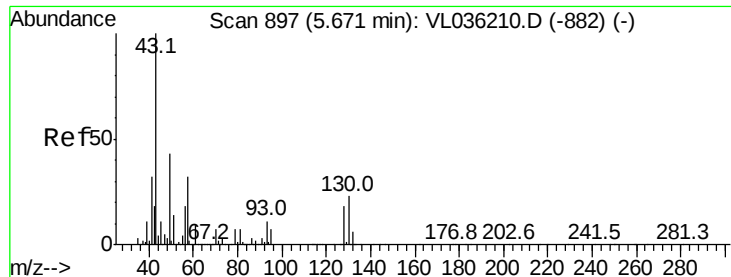


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0





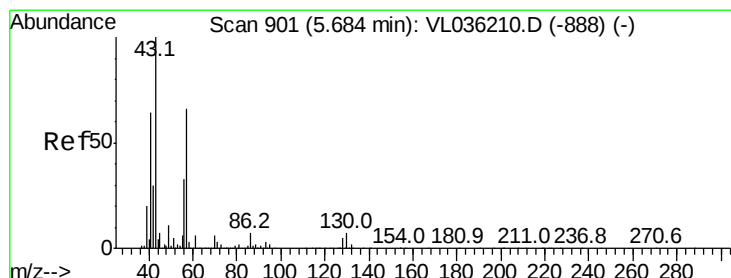
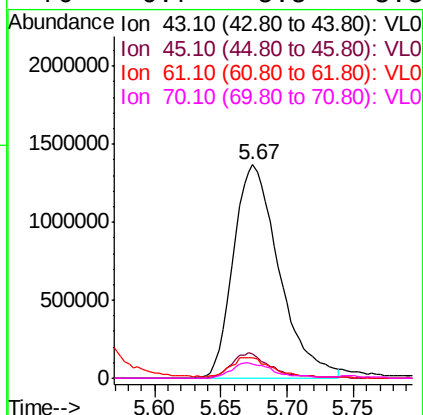
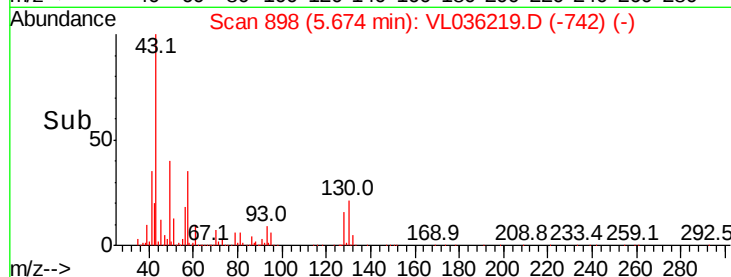
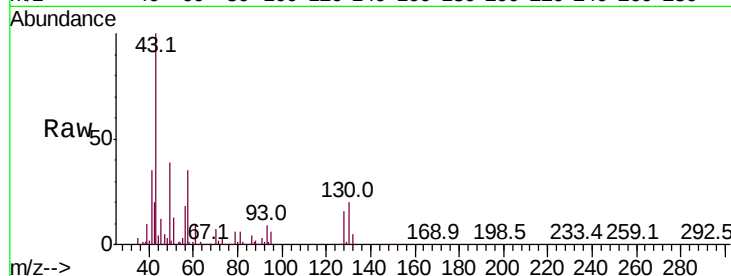
#25
Ethyl Acetate
Concen: 9.048 ppbv
RT: 5.67 min Scan# 898
Delta R.T. 0.00 min
Lab File: VL036219.D
Acq: 13 Jan 2021 9:38

Instrument :
MSVOA_L
ClientSampleId :
VL0113ABS01

Tot Ion	Ratio	Lower	Upper
43	100		
45	10.4	8.3	12.5
61	9.4	7.4	11.2
70	6.7	5.5	8.3

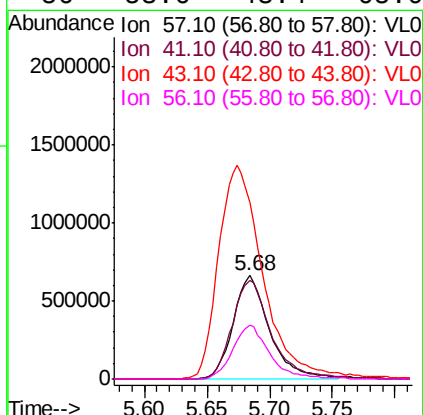
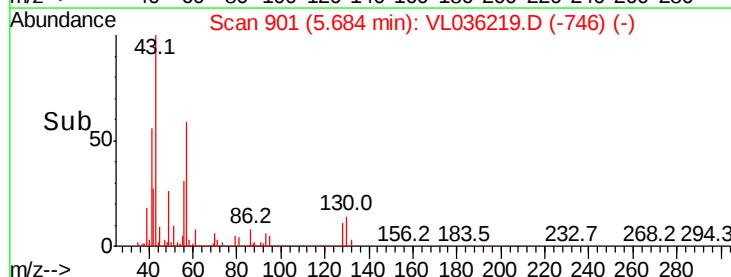
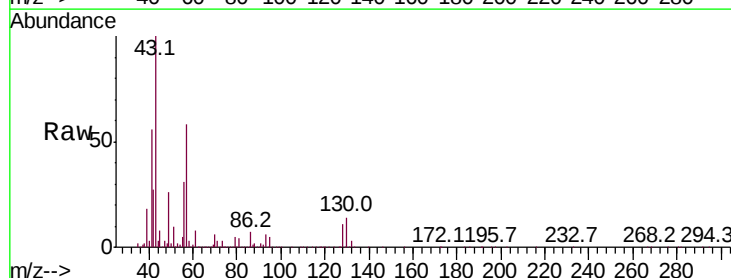
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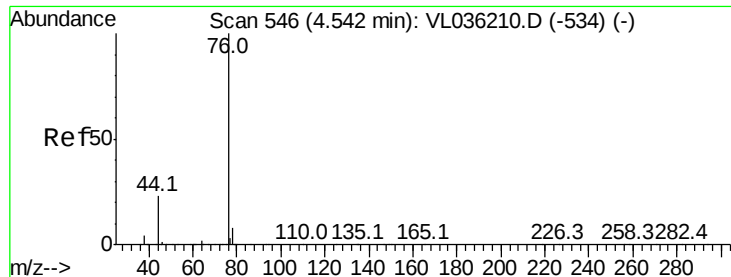
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#26
Hexane
Concen: 8.840 ppbv
RT: 5.68 min Scan# 901
Delta R.T. -0.00 min
Lab File: VL036219.D
Acq: 13 Jan 2021 9:38

Tgt Ion	Ratio	Lower	Upper
57	100		
41	104.2	83.0	124.6
43	254.2	202.4	303.6
56	53.6	43.4	65.0





#27

Carbon Disulfide

Concen: 11.069 ppbv

RT: 4.55 min Scan# 547

Delta R.T. 0.00 min

Lab File: VL036219.D

Acq: 13 Jan 2021 9:38

Instrument :

MSVOA_L

ClientSampleId :

VL0113ABS01

Tot Ion: 76 Resp: 1335435

Ion Ratio Lower Upper

76 100

44 24.0 19.0 28.6

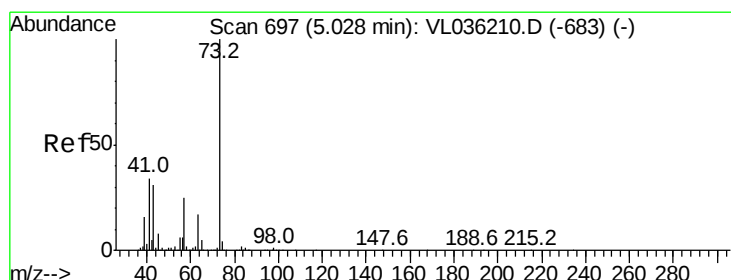
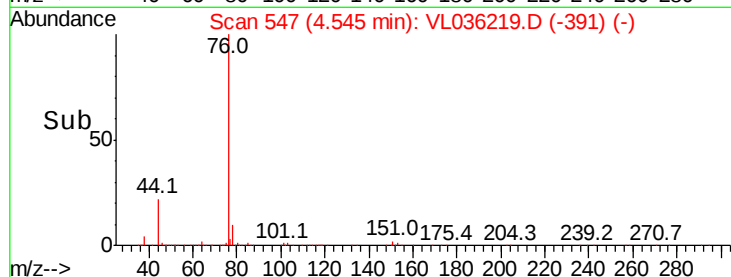
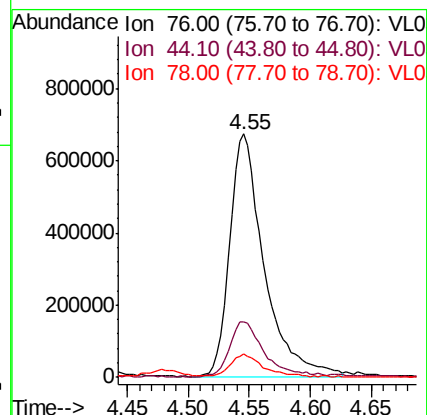
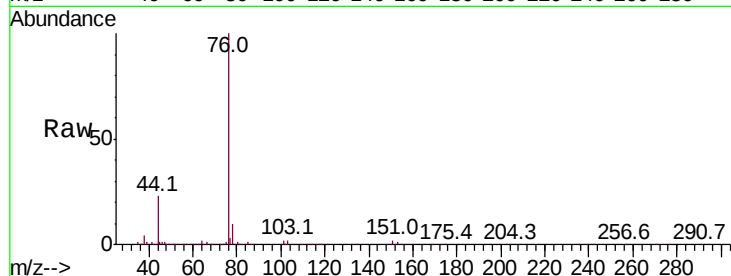
78 9.8 8.0 12.0

Manual Integrations

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#28

Methyl tert-Butyl Ether

Concen: 9.215 ppbv

RT: 5.03 min Scan# 698

Delta R.T. 0.00 min

Lab File: VL036219.D

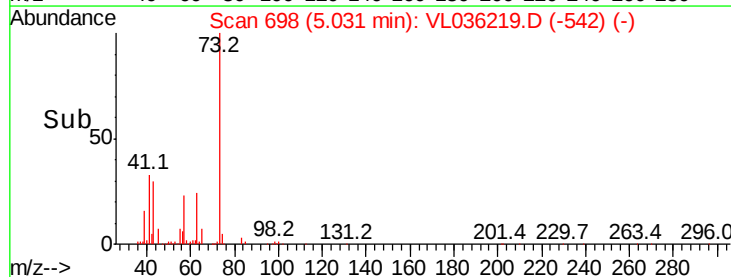
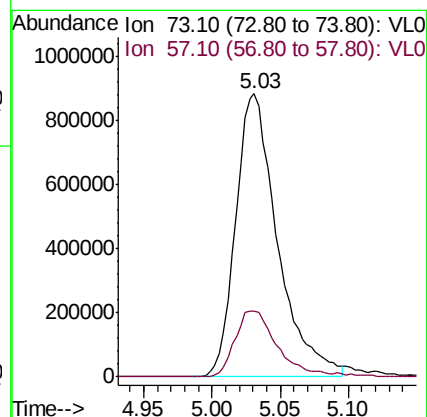
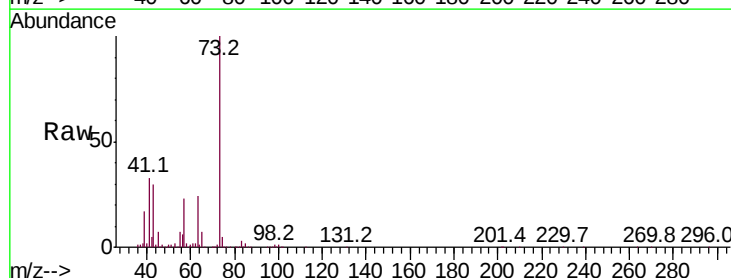
Acq: 13 Jan 2021 9:38

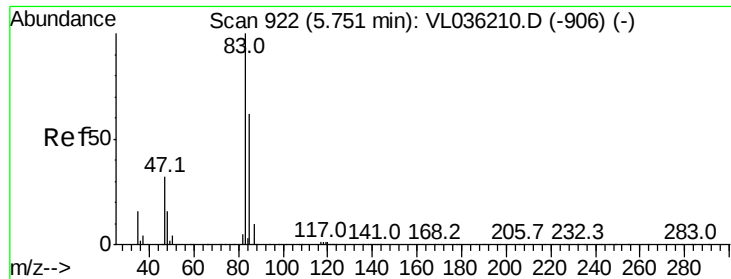
Tgt Ion: 73 Resp: 1880294

Ion Ratio Lower Upper

73 100

57 24.3 20.4 30.6





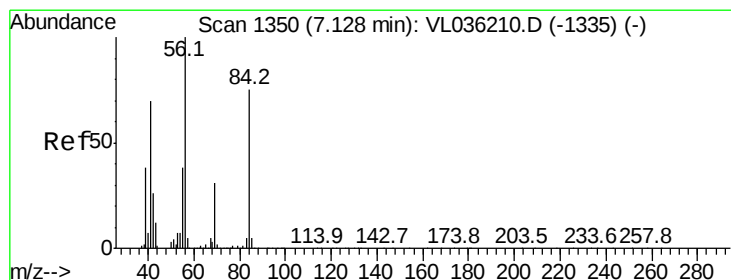
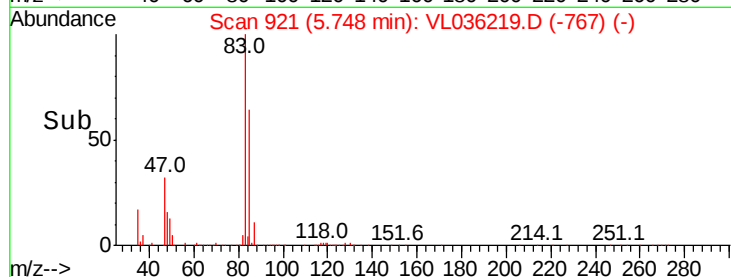
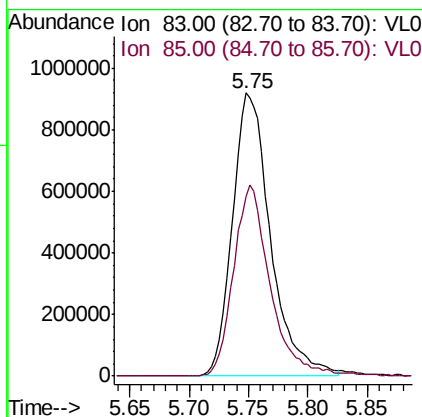
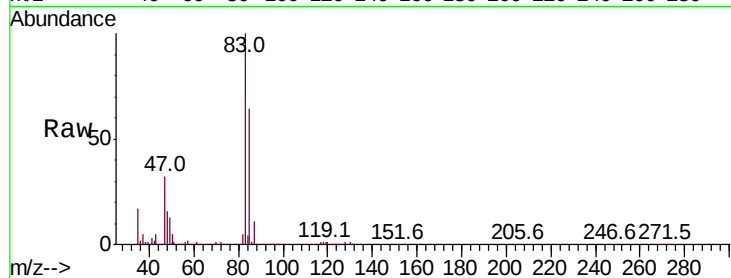
#29
Chloroform
Concen: 9.441 ppbv
RT: 5.75 min Scan# 921
Delta R.T. -0.00 min
Lab File: VL036219.D
Acq: 13 Jan 2021 9:38

Instrument :
MSVOA_L
ClientSampleId :
VL0113ABS01

Tot Ion: 83 Resp: 2039614
Ion Ratio Lower Upper
83 100
85 63.5 49.3 73.9

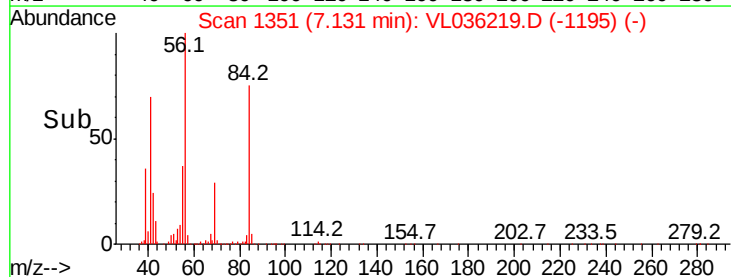
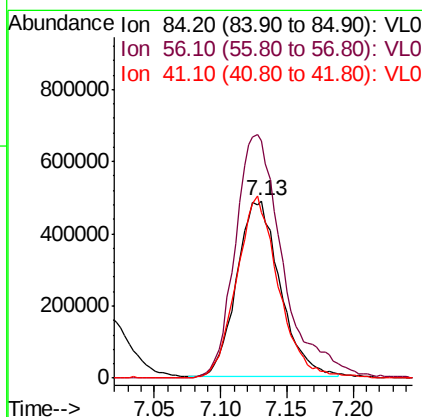
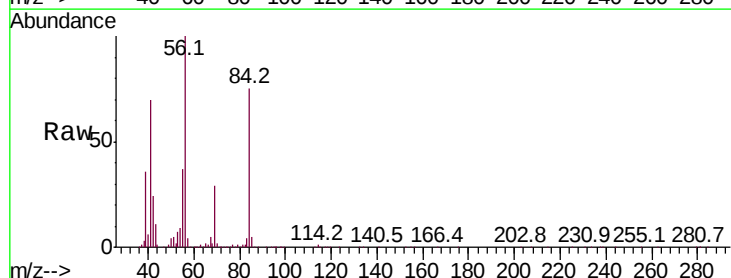
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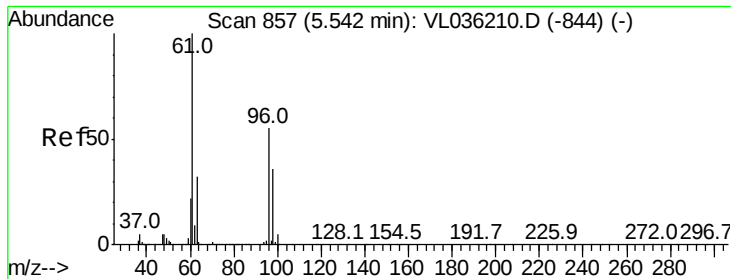
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#30
Cyclohexane
Concen: 9.623 ppbv
RT: 7.13 min Scan# 1351
Delta R.T. 0.00 min
Lab File: VL036219.D
Acq: 13 Jan 2021 9:38

Tgt Ion: 84 Resp: 1109574
Ion Ratio Lower Upper
84 100
56 153.5 119.4 179.0
41 100.6 79.4 119.0





#31

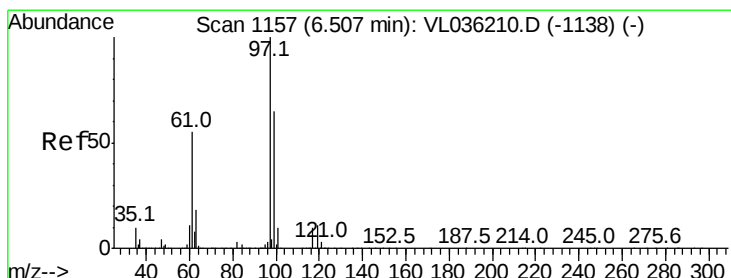
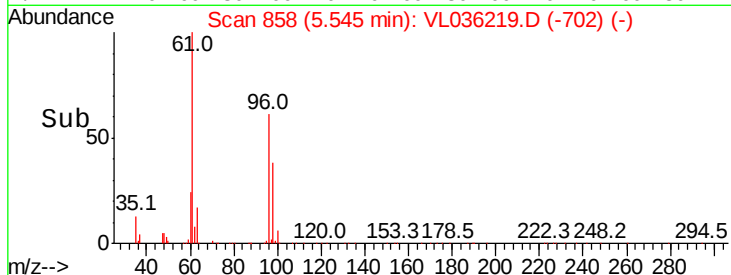
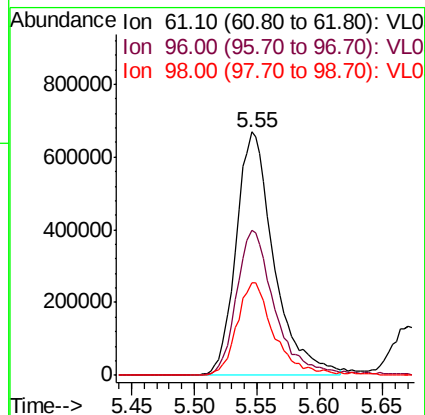
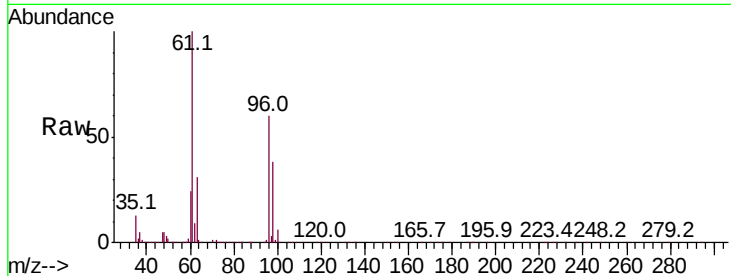
cis-1,2-Dichloroethene
Concen: 9.711 ppbv
RT: 5.55 min Scan# 858
Delta R.T. 0.00 min
Lab File: VL036219.D
Acq: 13 Jan 2021 9:38

Instrument :
MSVOA_L
ClientSampleId :
VL0113ABS01

Tot Ion	Ratio	Lower	Upper
61	100		
96	59.8	44.1	66.1
98	38.0	28.6	42.8

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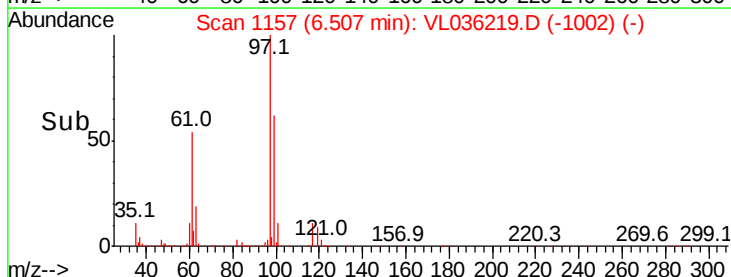
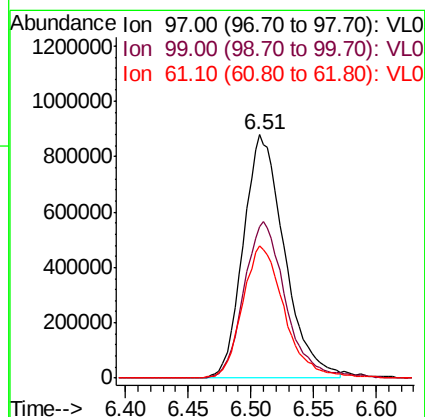
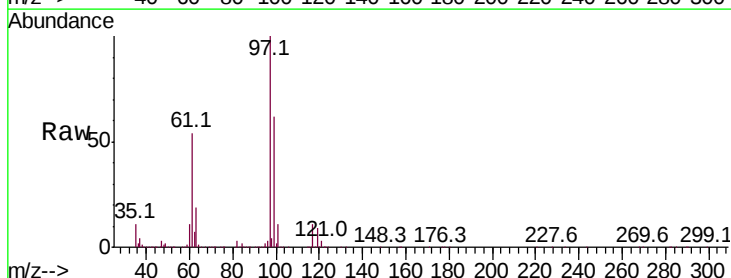
MMDadoda
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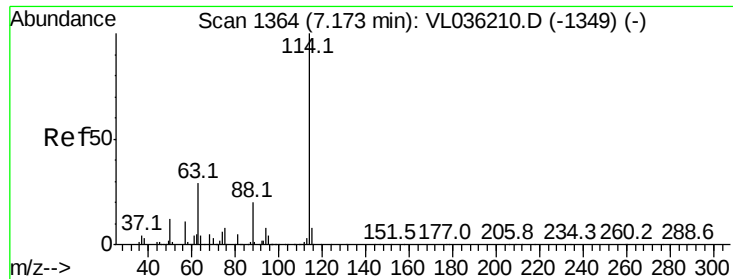


#32

1,1,1-Trichloroethane
Concen: 9.627 ppbv
RT: 6.51 min Scan# 1157
Delta R.T. -0.00 min
Lab File: VL036219.D
Acq: 13 Jan 2021 9:38

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.2	52.0	78.0
61	55.3	43.6	65.4





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.17 min Scan# 1364

Delta R.T. -0.00 min

Lab File: VL036219.D

Acq: 13 Jan 2021 9:38

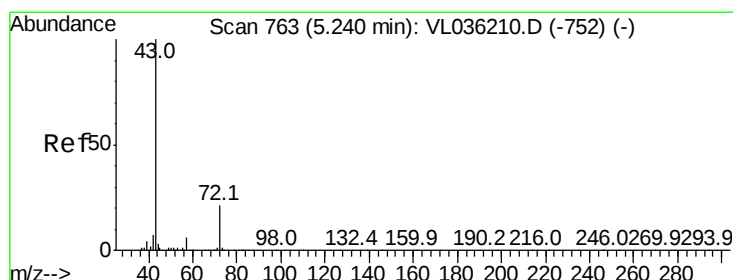
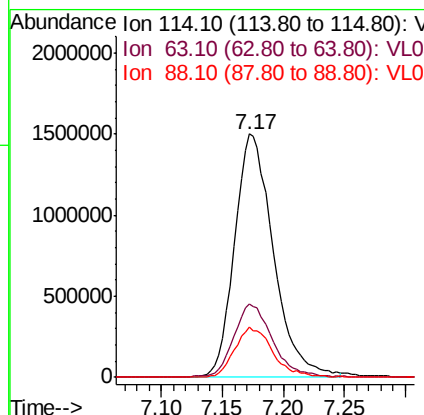
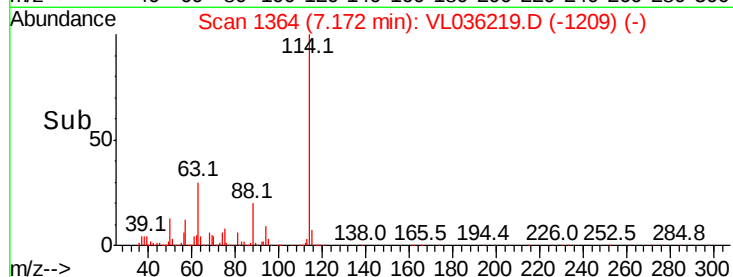
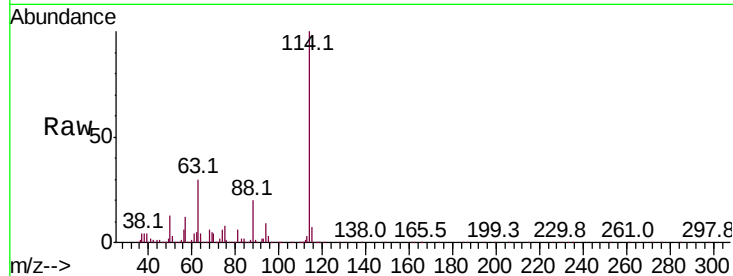
Instrument :
MSVOA_L

ClientSampleId :
VL0113ABS01

Tot Ion	Ratio	Lower	Upper
114	100		
63	30.6	24.7	37.1
88	20.4	16.6	24.8

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#34

2-Butanone

Concen: 8.681 ppbv

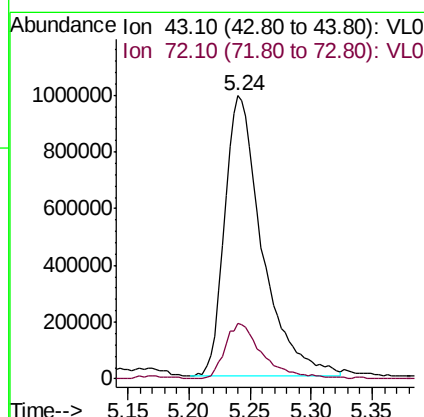
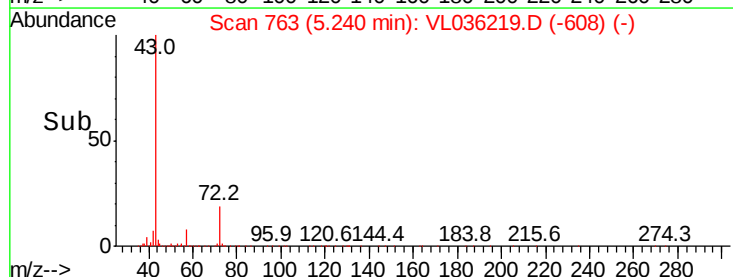
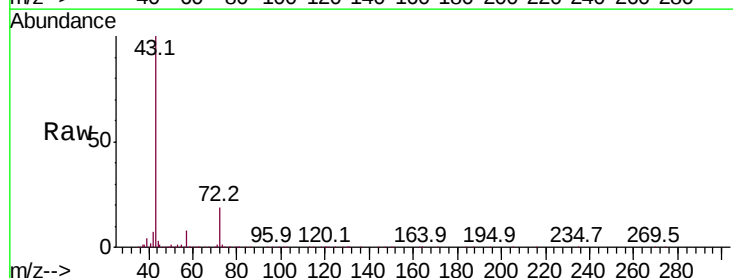
RT: 5.24 min Scan# 763

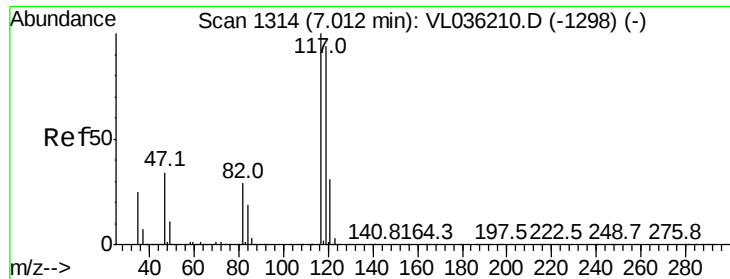
Delta R.T. -0.00 min

Lab File: VL036219.D

Acq: 13 Jan 2021 9:38

Tgt Ion	Ratio	Lower	Upper
43	100		
72	20.4	16.1	24.1





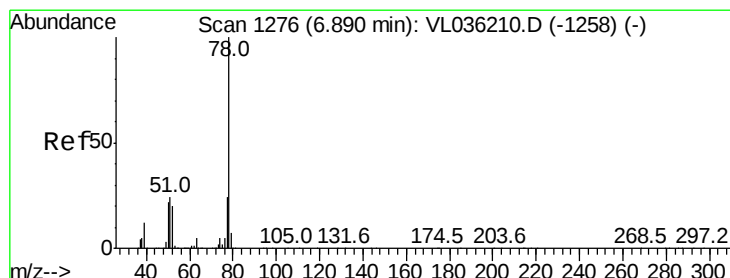
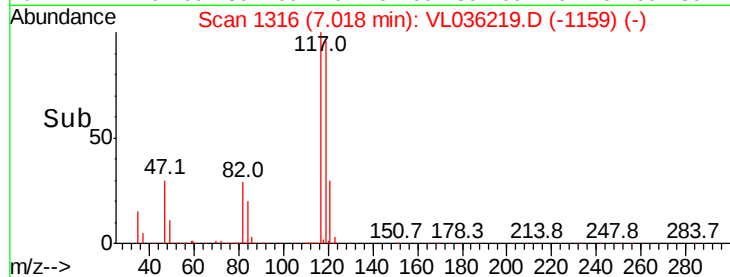
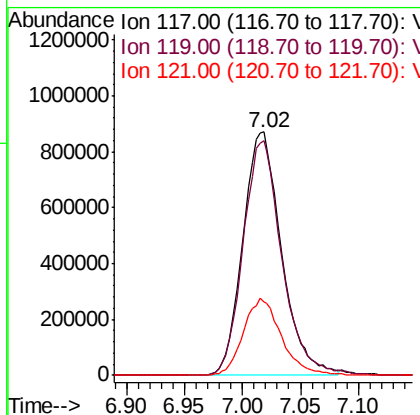
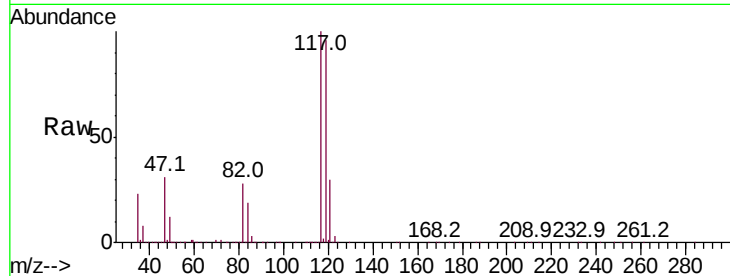
#35
Carbon Tetrachloride
Concen: 9.635 ppbv
RT: 7.02 min Scan# 1316
Delta R.T. 0.01 min
Lab File: VL036219.D
Acq: 13 Jan 2021 9:38

Instrument :
MSVOA_L
ClientSampleId :
VL0113ABS01

Tot Ion	Ratio	Lower	Upper
117	100		
119	96.4	74.9	112.3
121	29.9	25.0	37.6

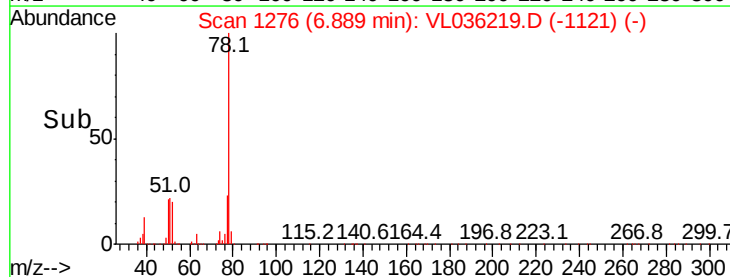
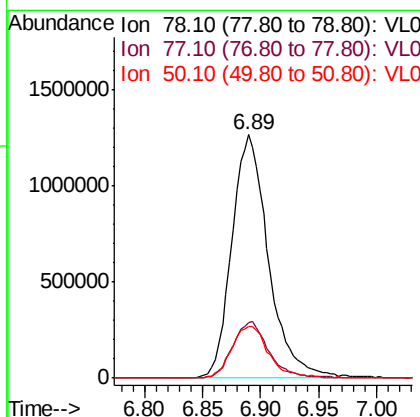
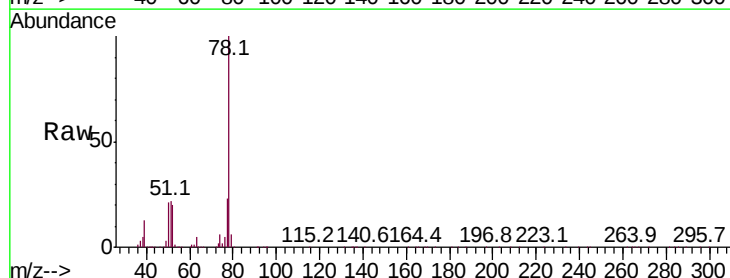
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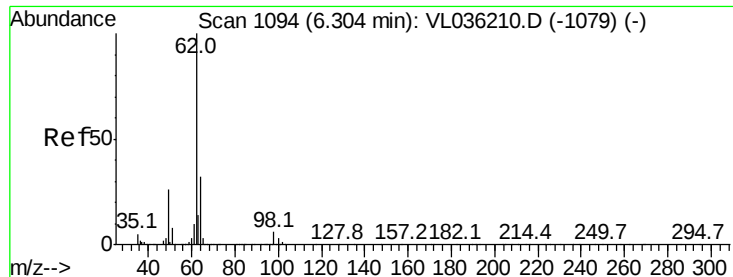
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#36
Benzene
Concen: 9.104 ppbv
RT: 6.89 min Scan# 1276
Delta R.T. -0.00 min
Lab File: VL036219.D
Acq: 13 Jan 2021 9:38

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.5	19.4	29.0
50	21.3	17.4	26.2





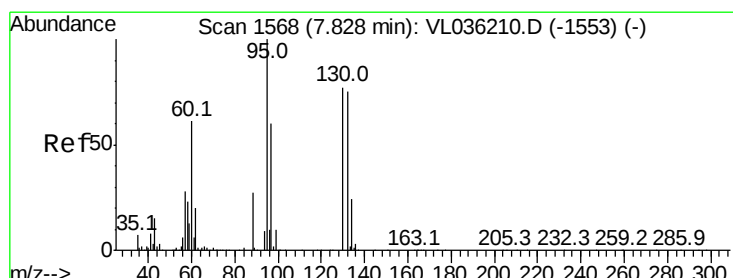
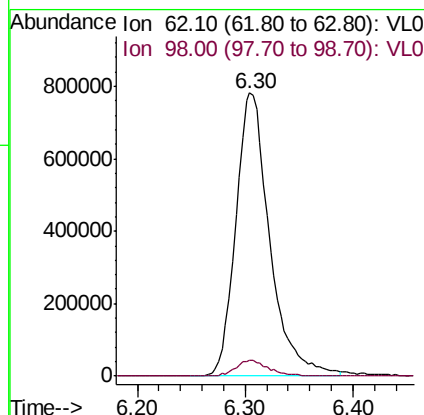
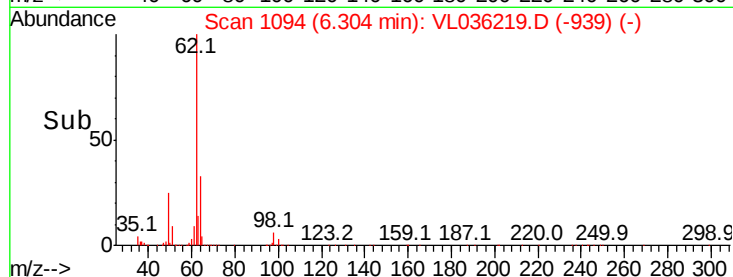
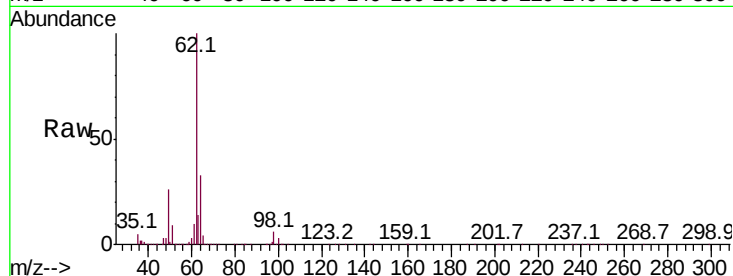
#37
 1,2-Dichloroethane
 Concen: 9.373 ppbv
 RT: 6.30 min Scan# 1094
 Delta R.T. -0.00 min
 Lab File: VL036219.D
 Acq: 13 Jan 2021 9:38

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0113ABS01

Tot Ion	Ratio	Lower	Upper
62	100		
98	5.6	4.4	6.6

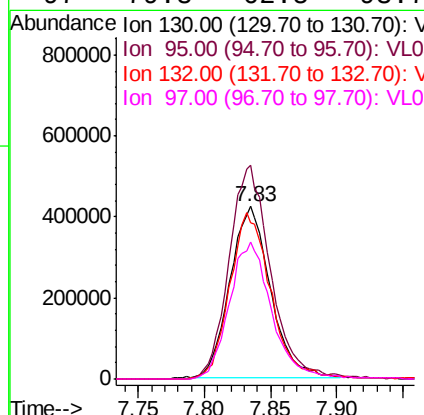
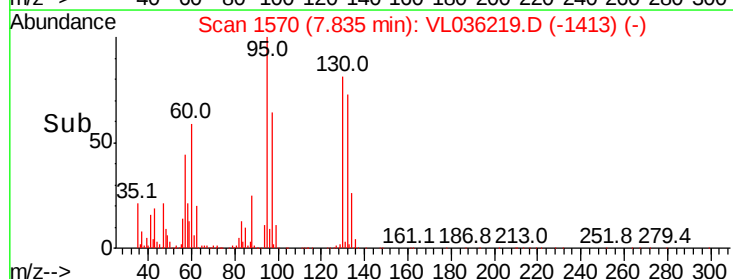
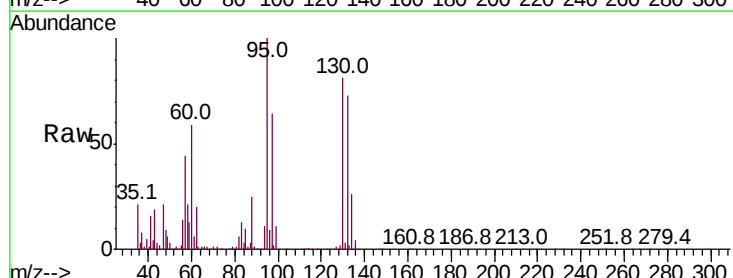
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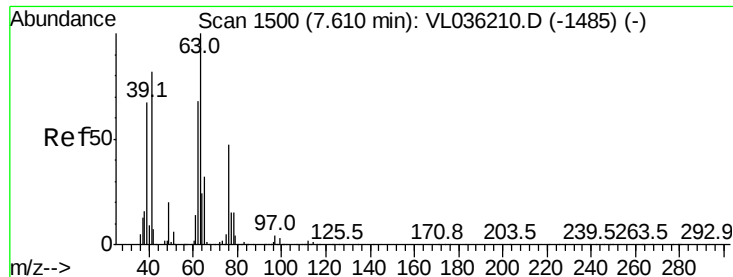
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#38
 Trichloroethene
 Concen: 7.871 ppbv
 RT: 7.83 min Scan# 1570
 Delta R.T. 0.01 min
 Lab File: VL036219.D
 Acq: 13 Jan 2021 9:38

Tgt Ion	Ratio	Lower	Upper
130	100		
95	124.9	103.9	155.9
132	91.0	77.4	116.2
97	79.8	62.5	93.7





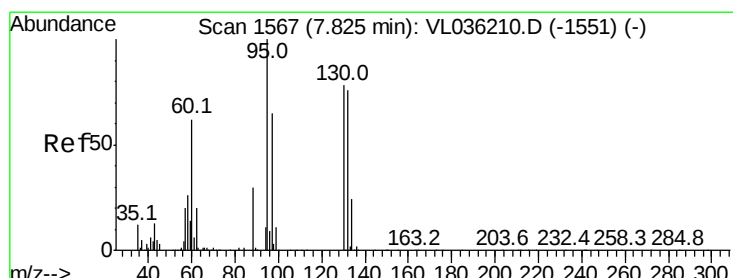
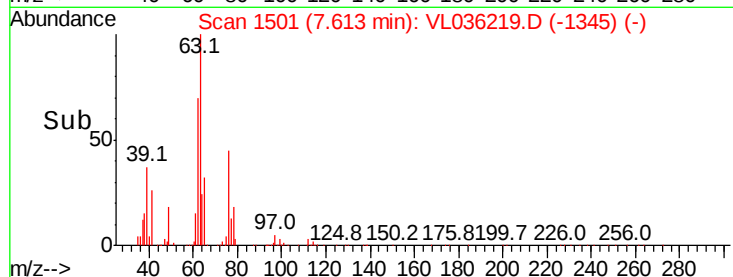
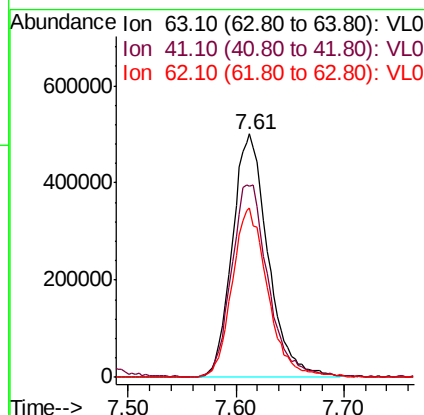
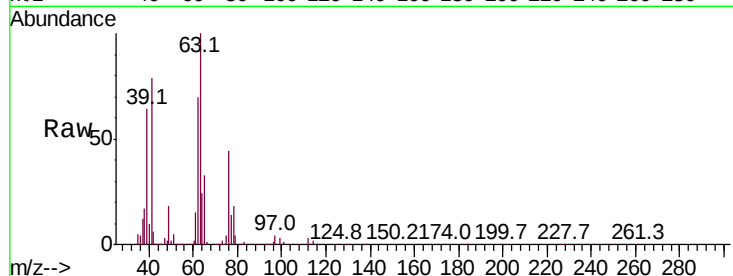
#39
 1,2-Dichloropropane
 Concen: 9.352 ppbv
 RT: 7.61 min Scan# 1501
 Delta R.T. 0.00 min
 Lab File: VL036219.D
 Acq: 13 Jan 2021 9:38

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0113ABS01

Tot Ion	Ratio	Lower	Upper
63	100		
41	78.6	66.1	99.1
62	69.7	54.8	82.2

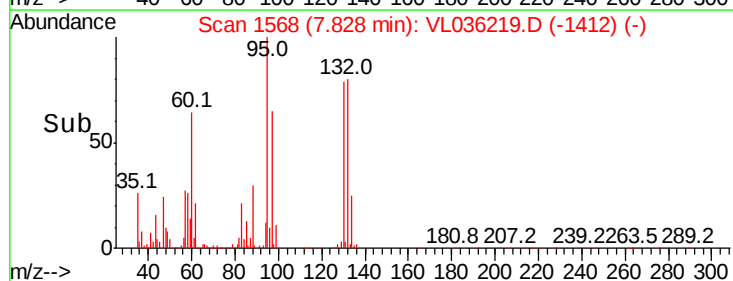
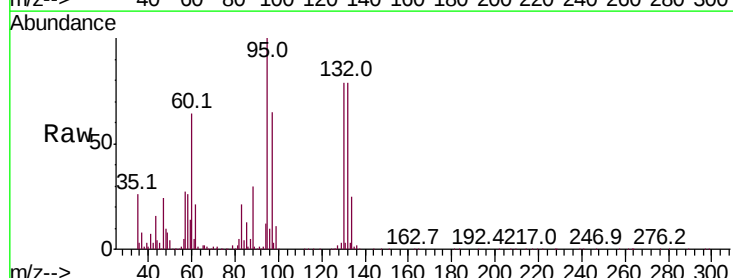
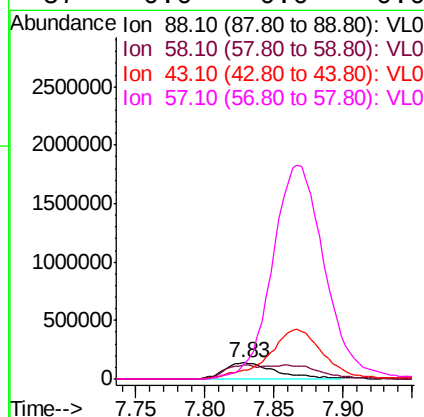
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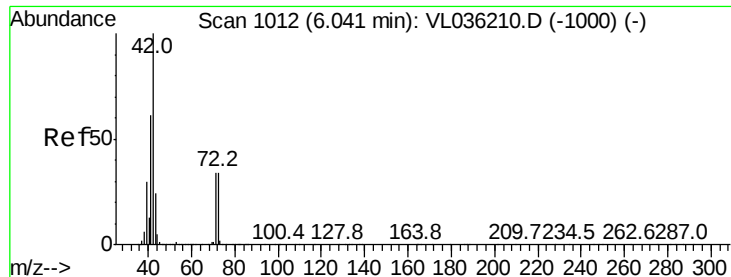
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#40
 1,4-Dioxane
 Concen: 8.240 ppbv m
 RT: 7.83 min Scan# 1568
 Delta R.T. 0.00 min
 Lab File: VL036219.D
 Acq: 13 Jan 2021 9:38

Tgt Ion	Ratio	Lower	Upper
88	100		
58	64.7	123.0	184.6#
43	0.0	0.0	0.0
57	0.0	0.0	0.0





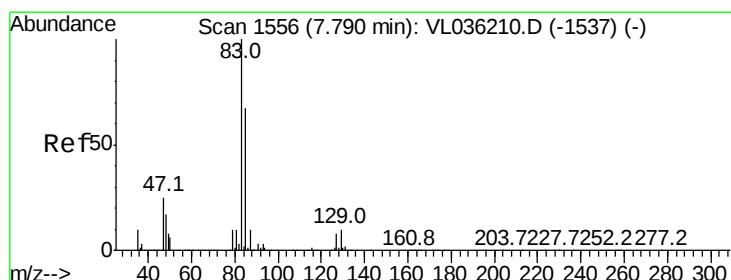
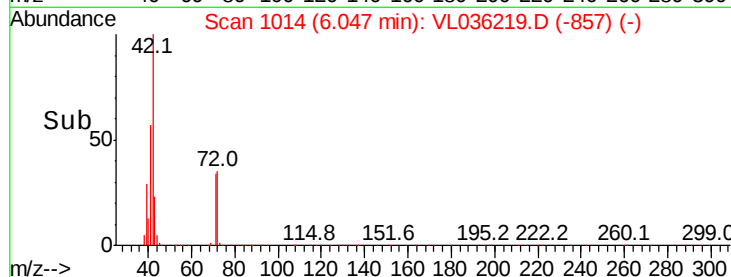
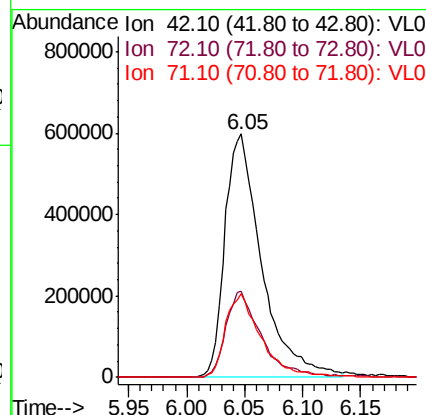
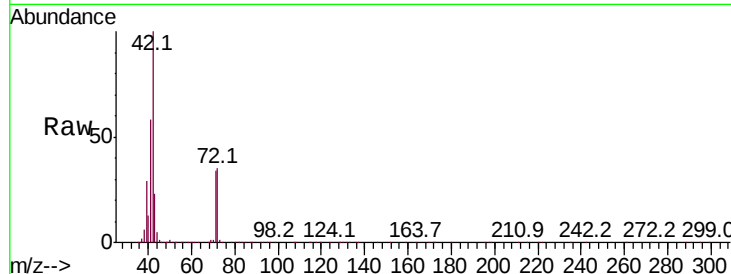
#41
Tetrahydrofuran
Concen: 9.302 ppbv
RT: 6.05 min Scan# 1014
Delta R.T. 0.01 min
Lab File: VL036219.D
Acq: 13 Jan 2021 9:38

Instrument :
MSVOA_L
ClientSampleId :
VL0113ABS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	34.8	29.5	44.3
71	34.1	29.1	43.7

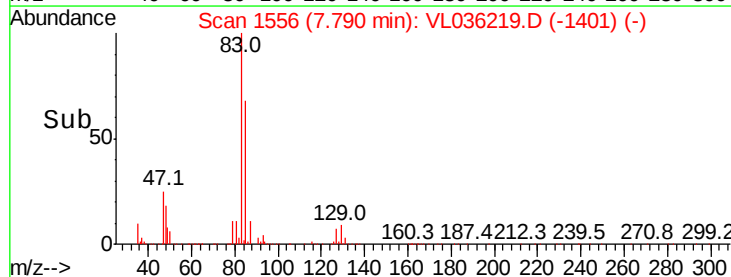
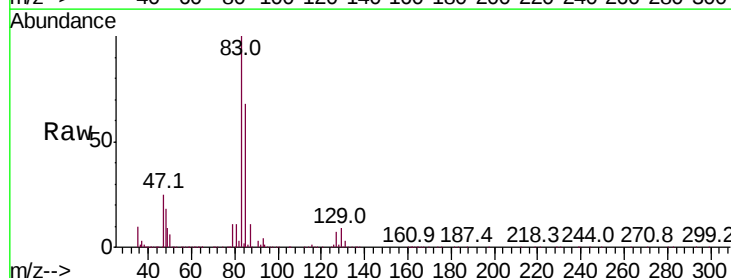
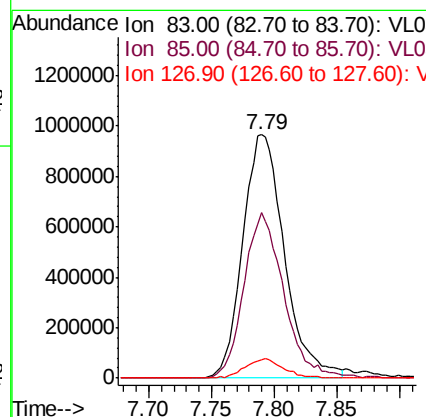
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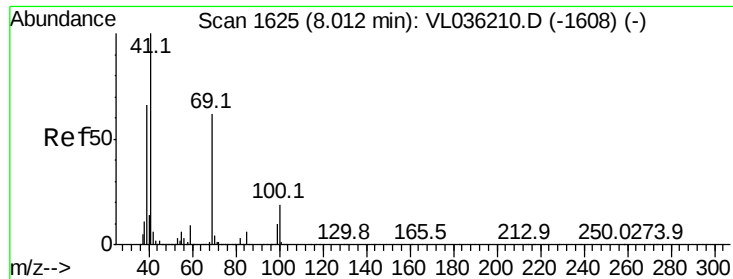
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#42
Bromodichloromethane
Concen: 9.693 ppbv
RT: 7.79 min Scan# 1556
Delta R.T. -0.00 min
Lab File: VL036219.D
Acq: 13 Jan 2021 9:38

Tgt Ion	Ratio	Lower	Upper
83	100		
85	68.1	53.4	80.2
127	7.4	6.2	9.2





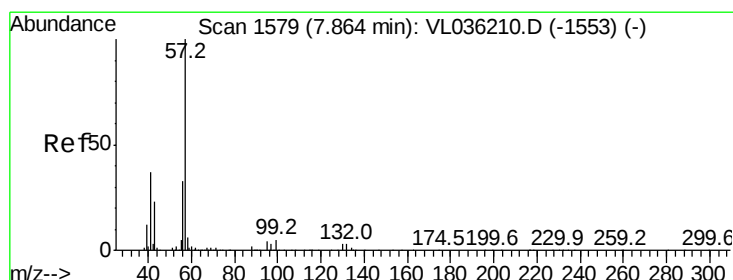
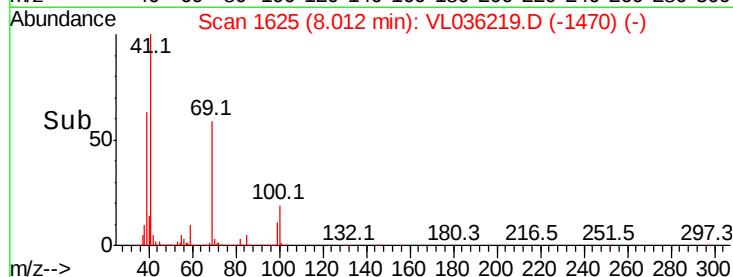
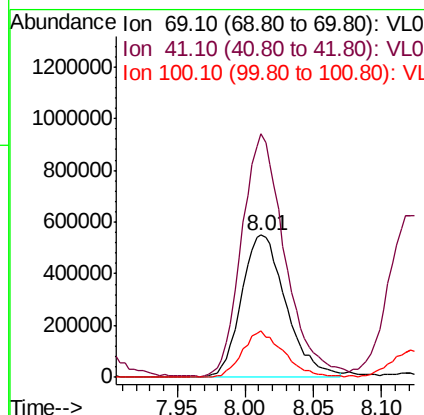
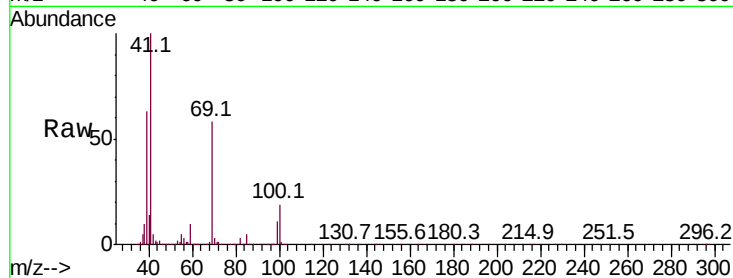
#43
Methvl Methacrylate
Concen: 9.627 ppbv
RT: 8.01 min Scan# 1625
Delta R.T. -0.00 min
Lab File: VL036219.D
Acq: 13 Jan 2021 9:38

Instrument :
MSVOA_L
ClientSampleId :
VL0113ABS01

Tot Ion: 69 Resp: 1244118
Ion Ratio Lower Upper
69 100
41 166.9 133.4 200.2
100 30.6 24.3 36.5

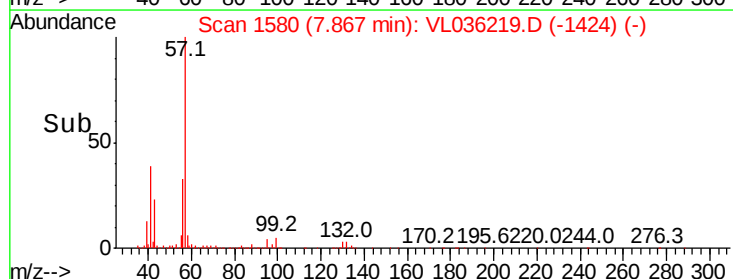
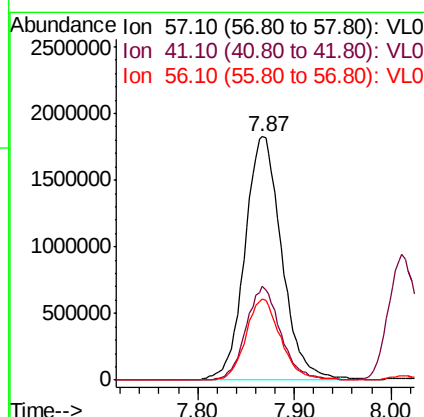
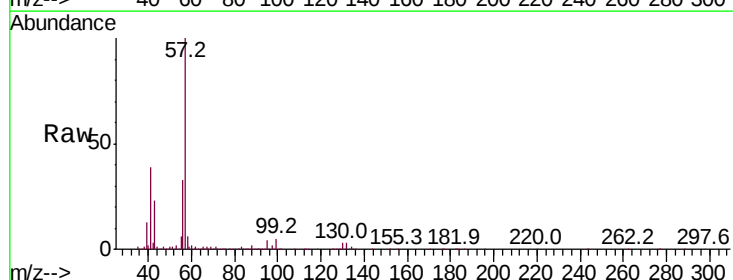
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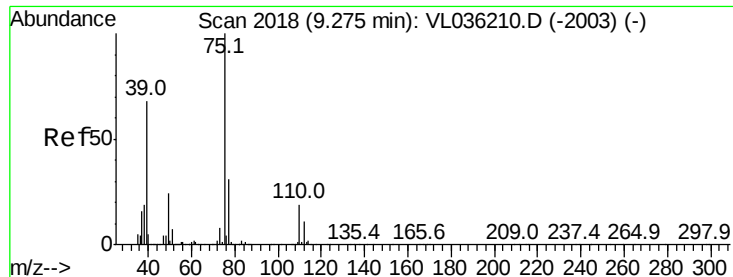
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#44
2,2,4-Trimethylpentane
Concen: 8.643 ppbv
RT: 7.87 min Scan# 1580
Delta R.T. 0.00 min
Lab File: VL036219.D
Acq: 13 Jan 2021 9:38

Tgt Ion: 57 Resp: 4827559
Ion Ratio Lower Upper
57 100
41 36.3 28.5 42.7
56 31.6 25.5 38.3





#45

t-1,3-Dichloropropene

Concen: 11.231 ppbv

RT: 9.28 min Scan# 2019

Delta R.T. 0.00 min

Lab File: VL036219.D

Acq: 13 Jan 2021 9:38

Instrument :

MSVOA_L

ClientSampleId :

VL0113ABS01

Tot Ion: 75 Resp: 1378513

Ion Ratio Lower Upper

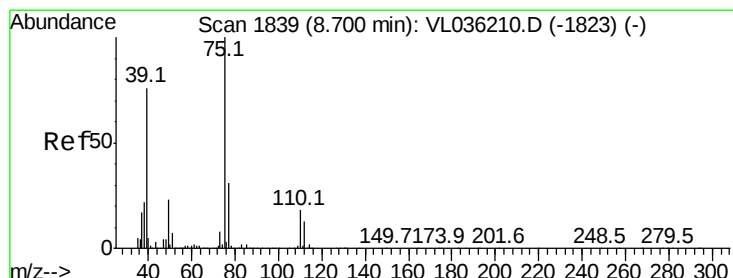
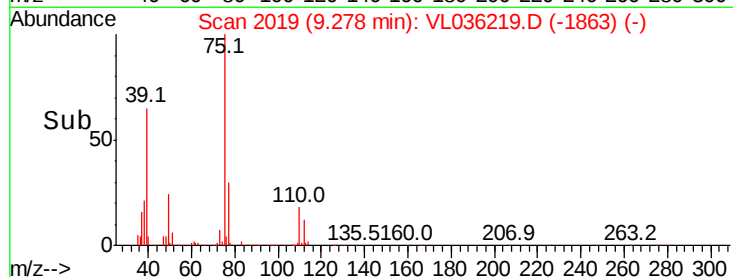
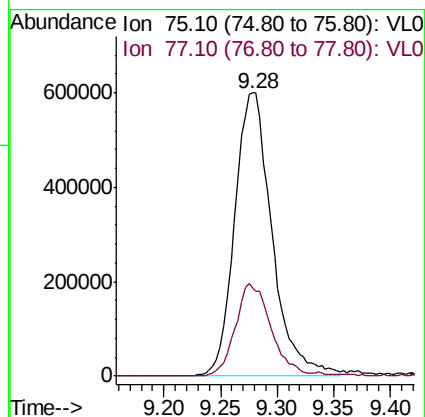
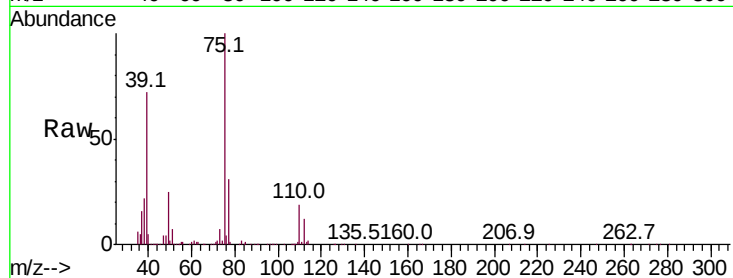
75 100

77 31.0 24.7 37.1

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#46

cis-1,3-Dichloropropene

Concen: 10.509 ppbv

RT: 8.70 min Scan# 1839

Delta R.T. -0.00 min

Lab File: VL036219.D

Acq: 13 Jan 2021 9:38

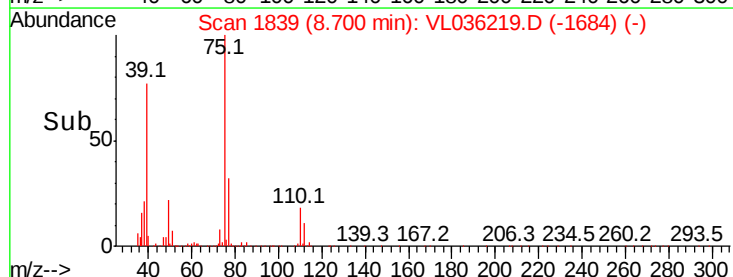
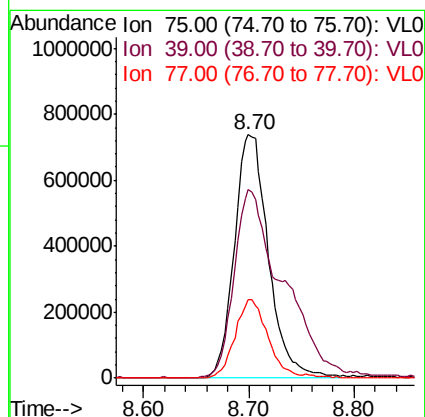
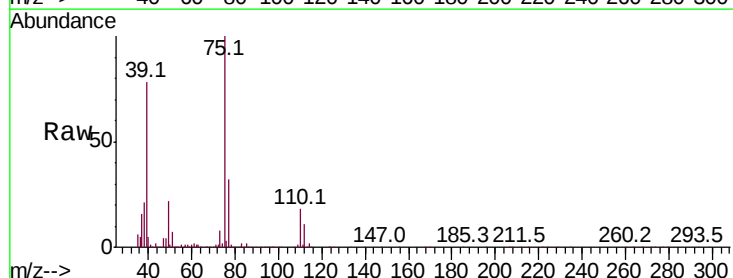
Tgt Ion: 75 Resp: 1657597

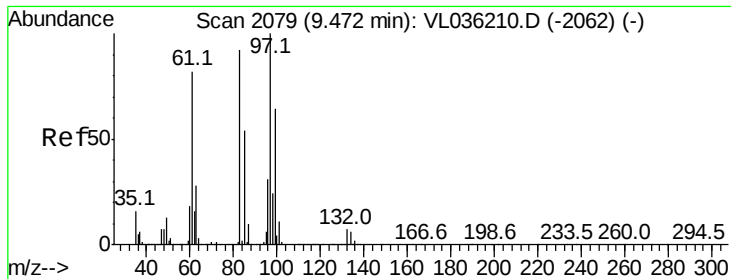
Ion Ratio Lower Upper

75 100

39 77.2 61.2 91.8

77 32.4 24.6 37.0





#47

1,1,2-Trichloroethane

Concen: 9.165 ppbv

RT: 9.47 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VL036219.D

Acq: 13 Jan 2021 9:38

Instrument :

MSVOA_L

ClientSampleId :

VL0113ABS01

Tot Ion: 97 Resp: 1082574

Ion Ratio Lower Upper

97 100

83 94.0 73.3 109.9

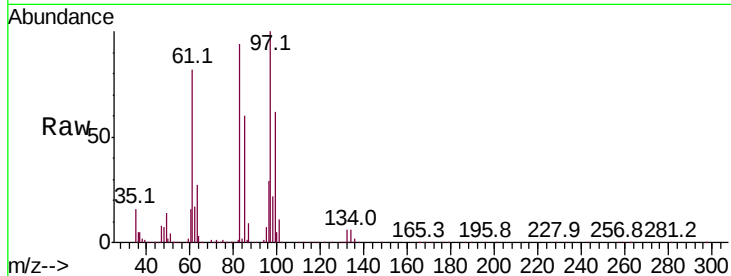
85 59.6 43.2 64.8

99 62.1 51.5 77.3

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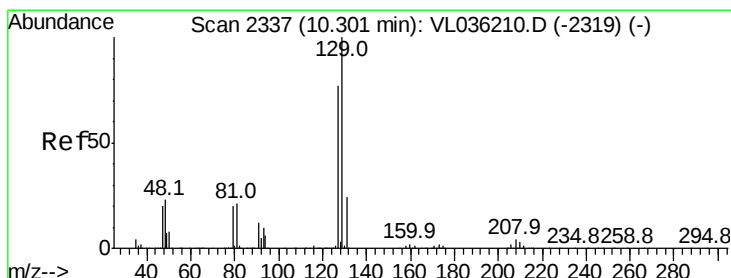
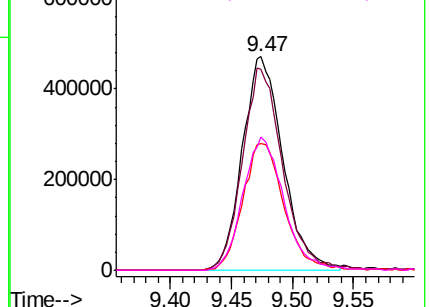
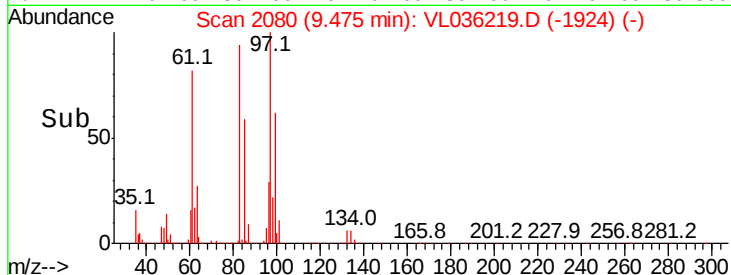


Abundance Ion 97.00 (96.70 to 97.70): VL0

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: 10.211 ppbv

RT: 10.30 min Scan# 2337

Delta R.T. -0.00 min

Lab File: VL036219.D

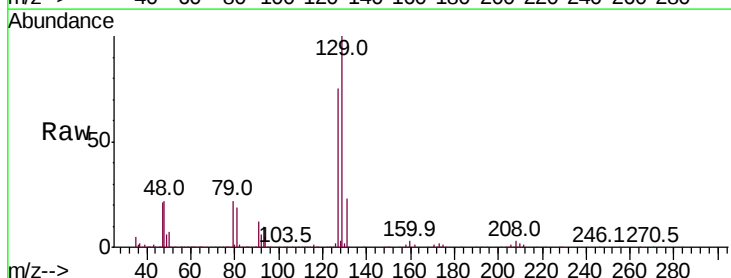
Acq: 13 Jan 2021 9:38

Tgt Ion: 129 Resp: 1764555

Ion Ratio Lower Upper

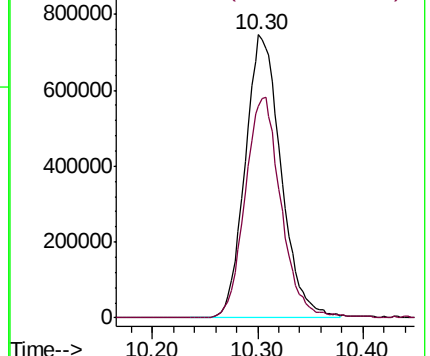
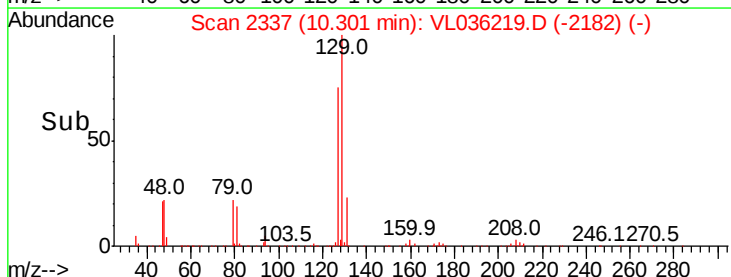
129 100

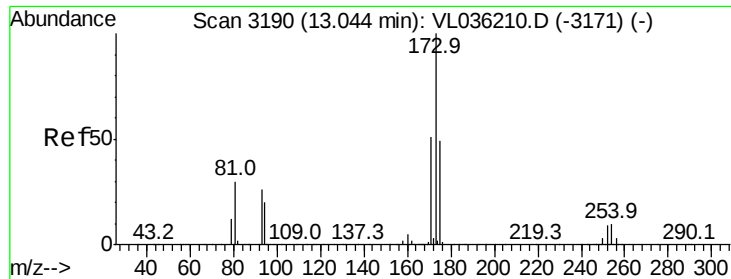
127 78.4 39.6 118.8



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





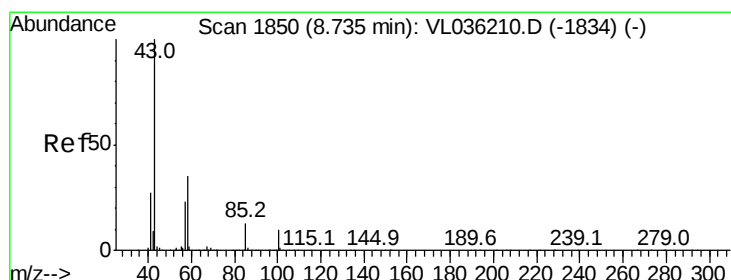
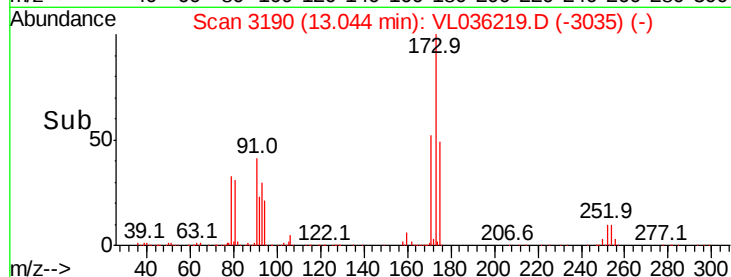
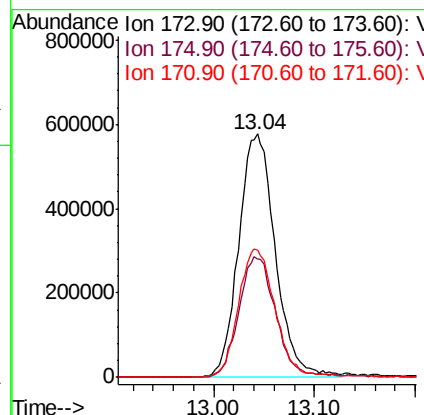
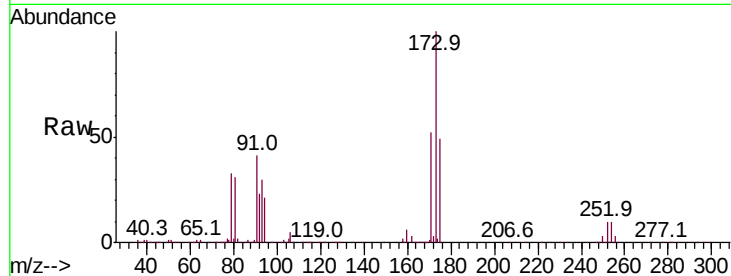
#49
Bromoform
Concen: 10.090 ppbv
RT: 13.04 min Scan# 3190
Delta R.T. -0.00 min
Lab File: VL036219.D
Acq: 13 Jan 2021 9:38

Instrument :
MSVOA_L
ClientSampleId :
VL0113ABS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	50.8	40.7	61.1
171	53.3	43.0	64.6

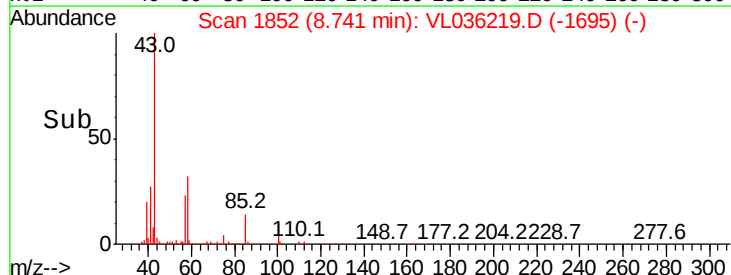
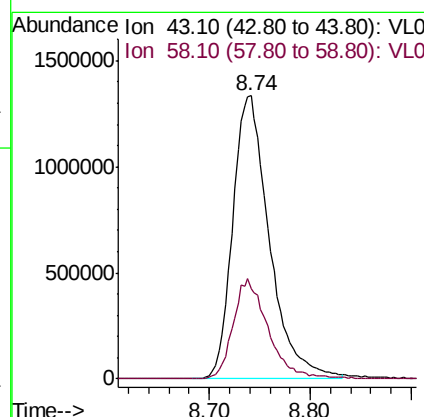
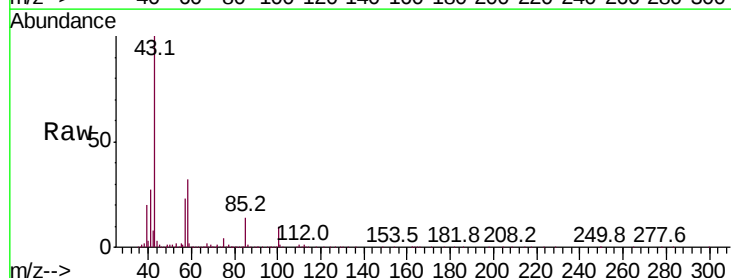
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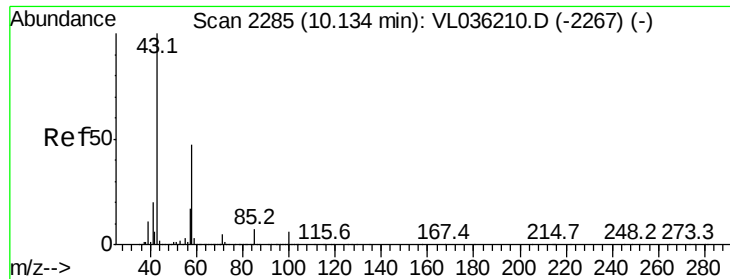
MMDadoda
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#50
4-Methyl-2-Pentanone
Concen: 9.257 ppbv
RT: 8.74 min Scan# 1852
Delta R.T. 0.01 min
Lab File: VL036219.D
Acq: 13 Jan 2021 9:38

Tgt Ion	Ratio	Lower	Upper
43	100		
58	33.9	27.6	41.4





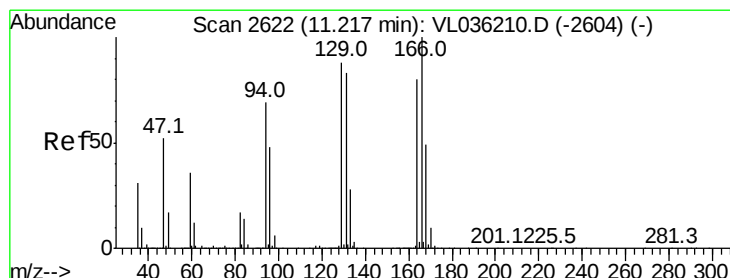
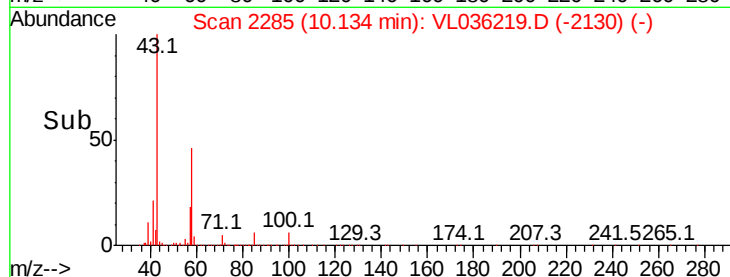
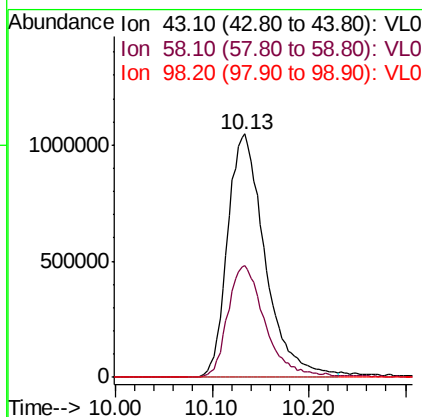
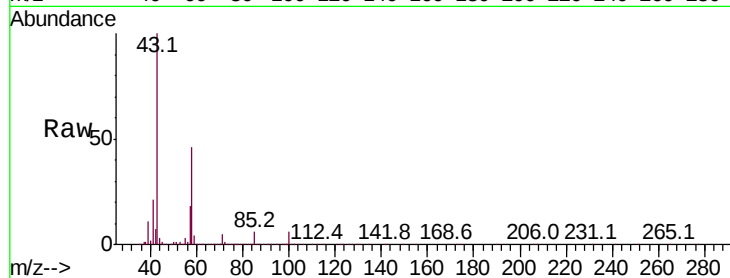
#51
2-Hexanone
Concen: 9.816 ppbv
RT: 10.13 min Scan# 2285
Delta R.T. -0.00 min
Lab File: VL036219.D
Acq: 13 Jan 2021 9:38

Instrument :
MSVOA_L
ClientSampleId :
VL0113ABS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	46.7	37.4	56.0
98	0.1	0.2	0.2#

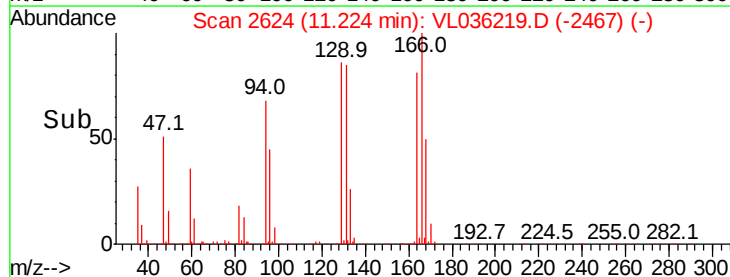
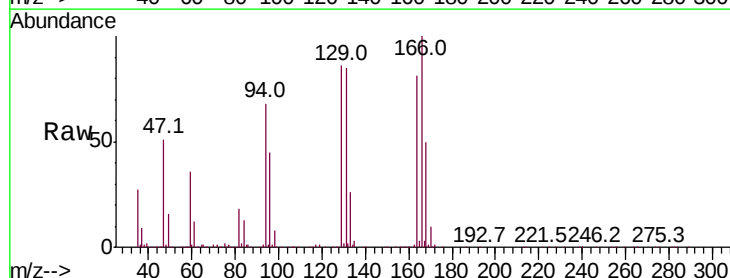
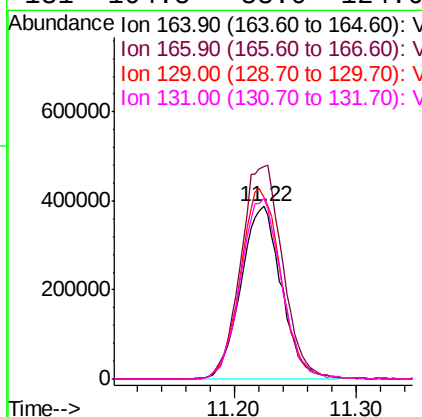
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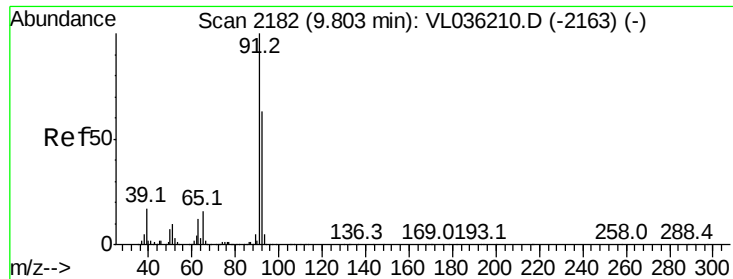
MMDadoda
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#52
Tetrachloroethene
Concen: 7.900 ppbv
RT: 11.22 min Scan# 2624
Delta R.T. 0.01 min
Lab File: VL036219.D
Acq: 13 Jan 2021 9:38

Tgt Ion	Ratio	Lower	Upper
164	100		
166	123.0	99.9	149.9
129	105.6	88.2	132.4
131	104.5	83.0	124.6





#53

Toluene

Concen: 9.185 ppbv

RT: 9.80 min Scan# 2182

Delta R.T. -0.00 min

Lab File: VL036219.D

Acq: 13 Jan 2021 9:38

Instrument :

MSVOA_L

ClientSampleId :

VL0113ABS01

Tot Ion: 91 Resp: 3124411

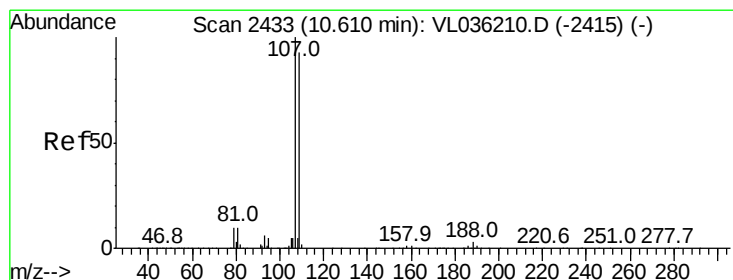
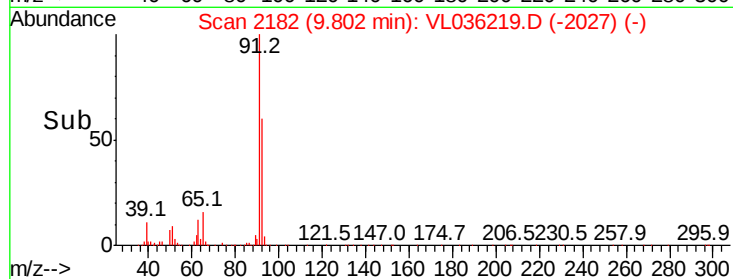
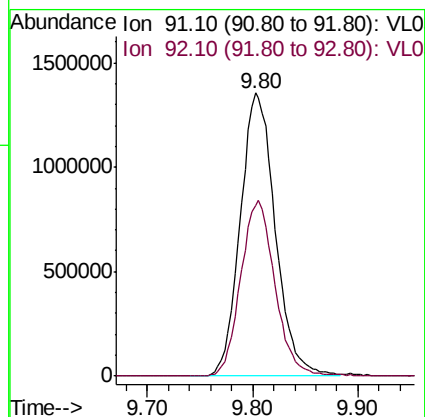
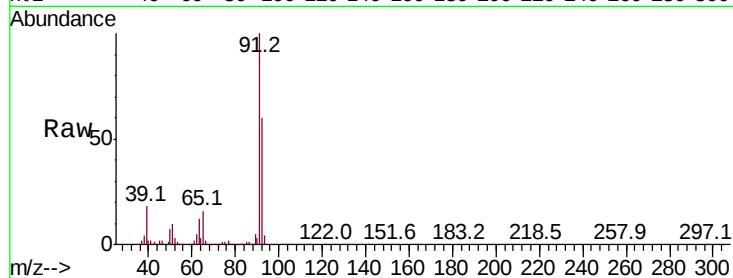
Ion Ratio Lower Upper

91 100

92 60.9 48.5 72.7

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#54

1,2-Dibromoethane

Concen: 9.132 ppbv

RT: 10.61 min Scan# 2433

Delta R.T. -0.00 min

Lab File: VL036219.D

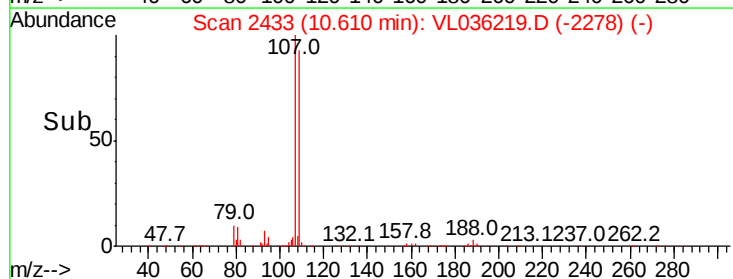
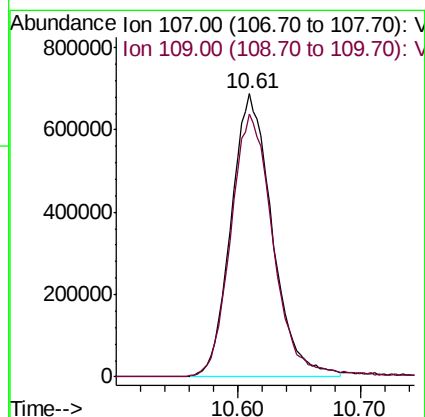
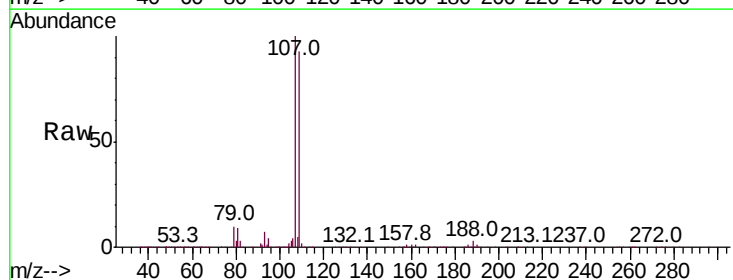
Acq: 13 Jan 2021 9:38

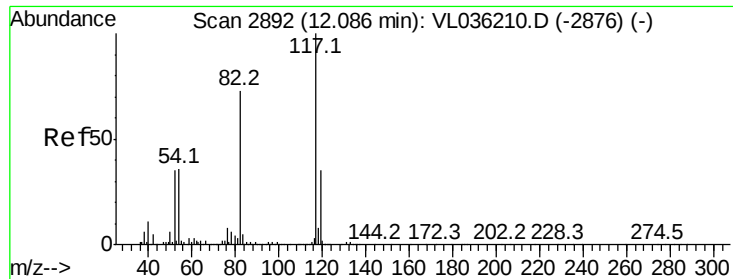
Tgt Ion: 107 Resp: 1598854

Ion Ratio Lower Upper

107 100

109 92.4 74.5 111.7





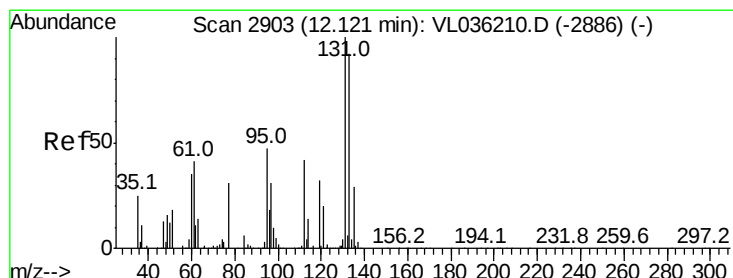
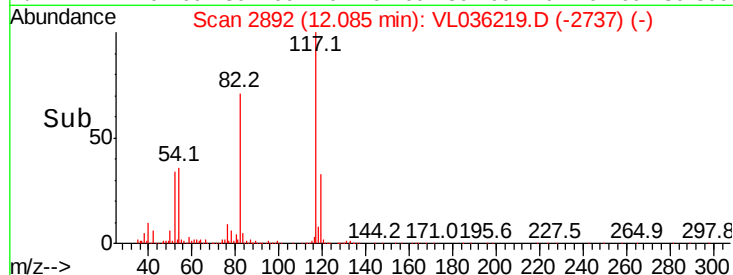
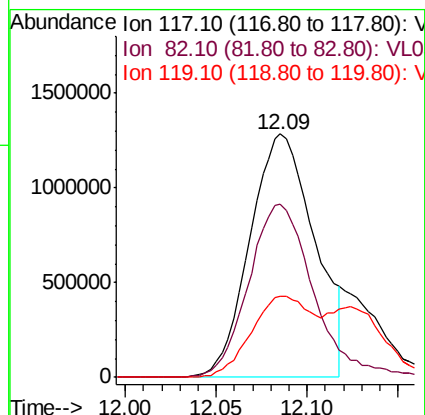
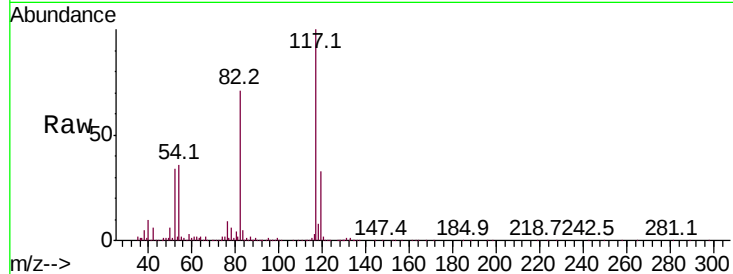
#55
Chlorobenzene-d5
Concen: 10.000 ppbv m
RT: 12.09 min Scan# 2892
Delta R.T. -0.00 min
Lab File: VL036219.D
Acq: 13 Jan 2021 9:38

Instrument :
MSVOA_L
ClientSampleId :
VL0113ABS01

Tot Ion:117 Resp: 3177473
Ion Ratio Lower Upper
117 100
82 72.2 59.7 89.5
119 57.6 28.6 43.0#

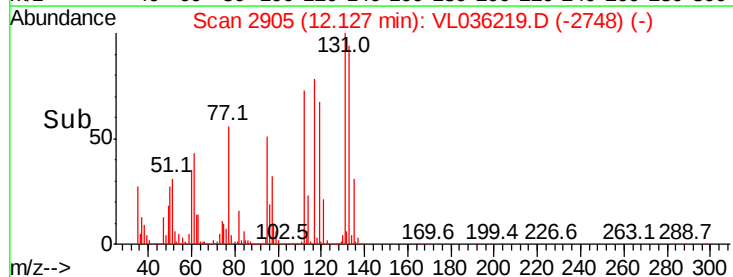
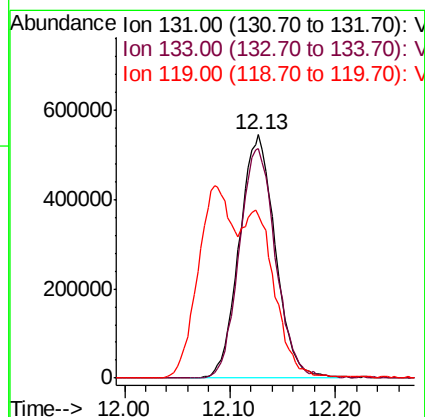
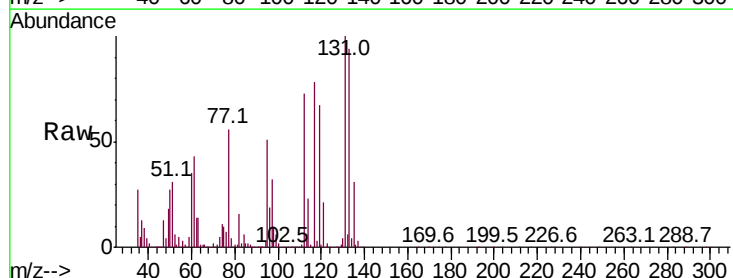
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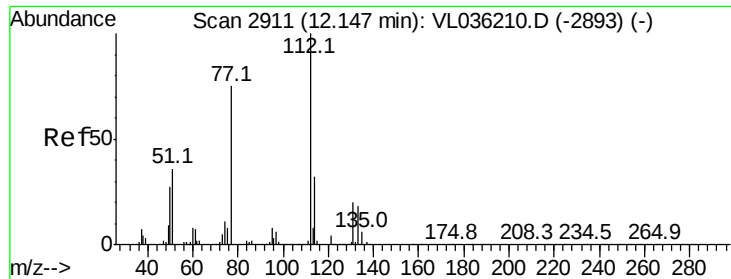
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#56
1,1,1,2-Tetrachloroethane
Concen: 9.119 ppbv
RT: 12.13 min Scan# 2905
Delta R.T. 0.01 min
Lab File: VL036219.D
Acq: 13 Jan 2021 9:38

Tgt Ion:131 Resp: 1293010
Ion Ratio Lower Upper
131 100
133 95.4 76.5 114.7
119 141.4 45.4 68.0#





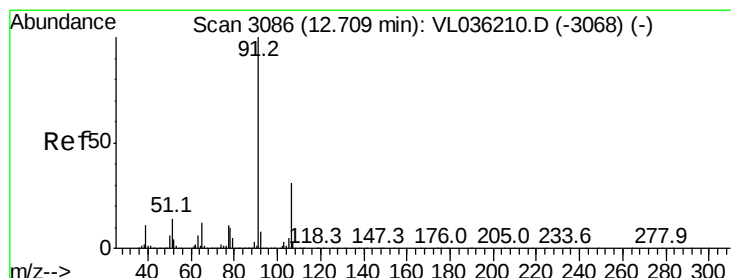
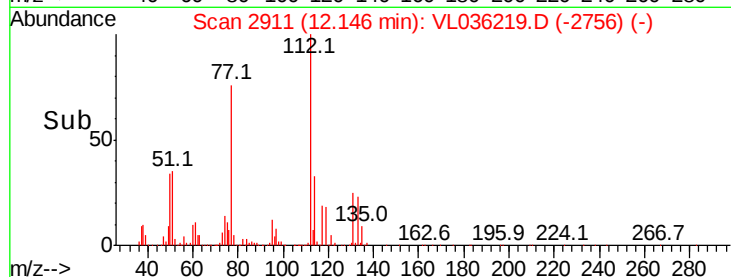
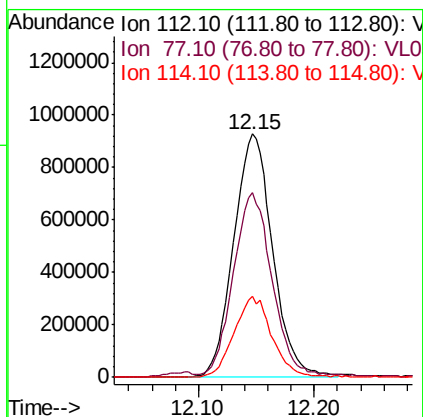
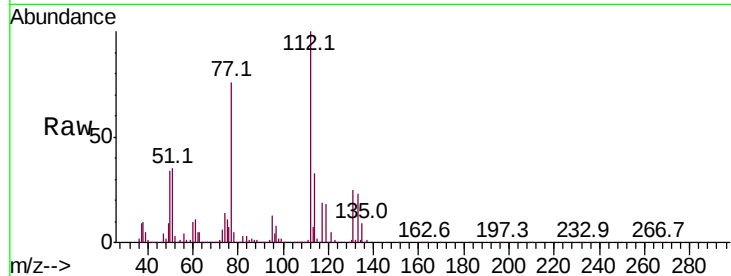
#57
Chlorobenzene
Concen: 8.672 ppbv
RT: 12.15 min Scan# 2911
Delta R.T. -0.00 min
Lab File: VL036219.D
Acq: 13 Jan 2021 9:38

Instrument :
MSVOA_L
ClientSampleId :
VL0113ABS01

Tot Ion	Ratio	Lower	Upper
112	100		
77	74.8	59.6	89.4
114	33.0	28.7	35.1

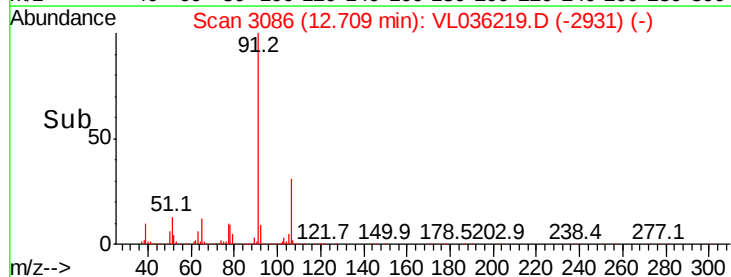
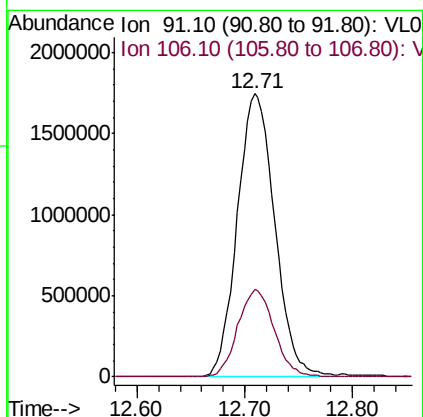
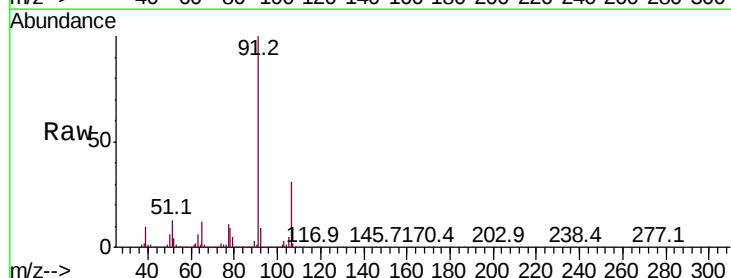
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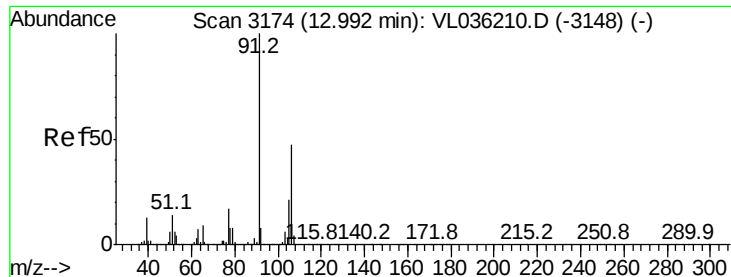
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#58
Ethyl Benzene
Concen: 8.955 ppbv
RT: 12.71 min Scan# 3086
Delta R.T. -0.00 min
Lab File: VL036219.D
Acq: 13 Jan 2021 9:38

Tgt Ion	Ratio	Lower	Upper
91	100		
106	31.0	24.8	37.2





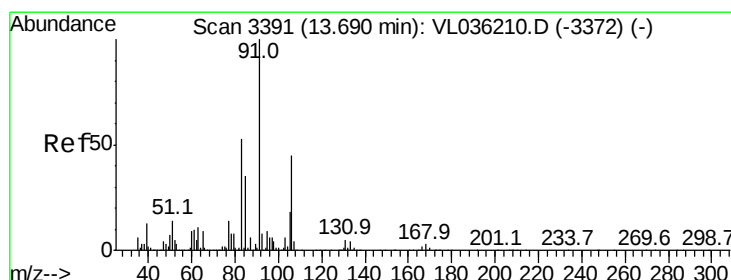
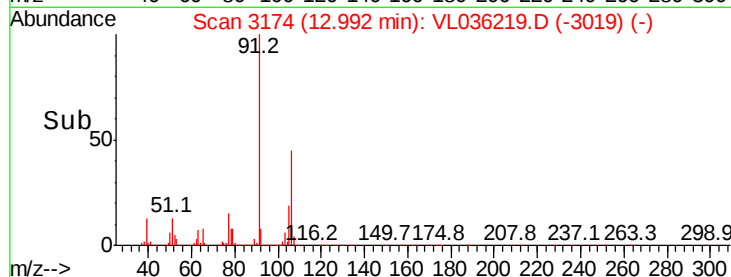
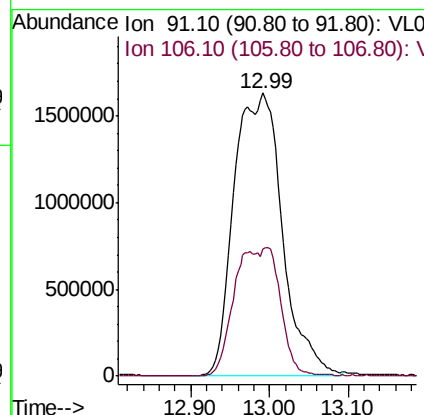
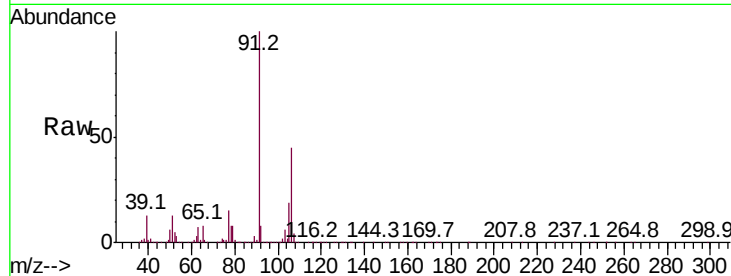
#59
m/p-Xylene
Concen: 17.375 ppbv m
RT: 12.99 min Scan# 3174
Delta R.T. -0.00 min
Lab File: VL036219.D
Acq: 13 Jan 2021 9:38

Instrument :
MSVOA_L
ClientSampleId :
VL0113ABS01

Tot Ion: 91 Resp: 7039769
Ion Ratio Lower Upper
91 100
106 43.3 34.6 51.8

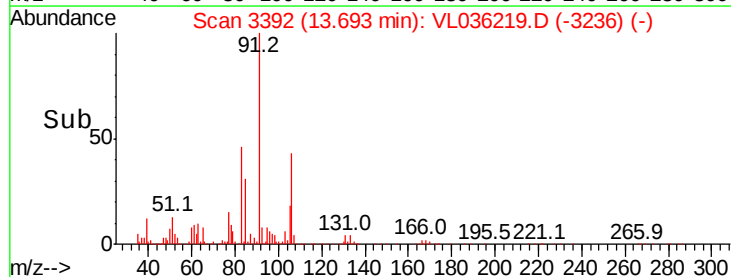
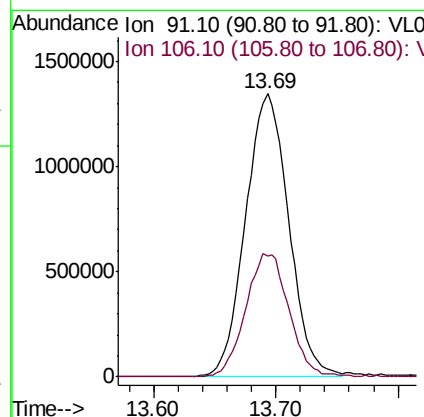
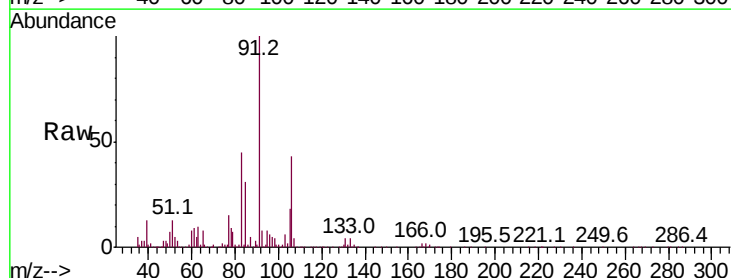
Manual Integrations
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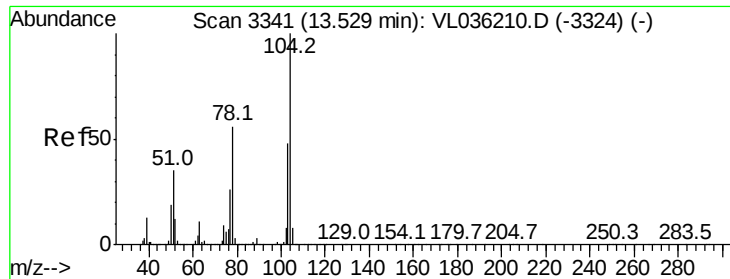
MMDadoda
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#60
o-Xylene
Concen: 8.425 ppbv
RT: 13.69 min Scan# 3392
Delta R.T. 0.00 min
Lab File: VL036219.D
Acq: 13 Jan 2021 9:38

Tgt Ion: 91 Resp: 3290422
Ion Ratio Lower Upper
91 100
106 44.0 21.9 65.8





#61

Stvrene

Concen: 9.614 ppbv

RT: 13.53 min Scan# 3341

Delta R.T. -0.00 min

Lab File: VL036219.D

Acq: 13 Jan 2021 9:38

Instrument :

MSVOA_L

ClientSampleId :

VL0113ABS01

Tot Ion:104 Resp: 2370829

Ion Ratio Lower Upper

104 100

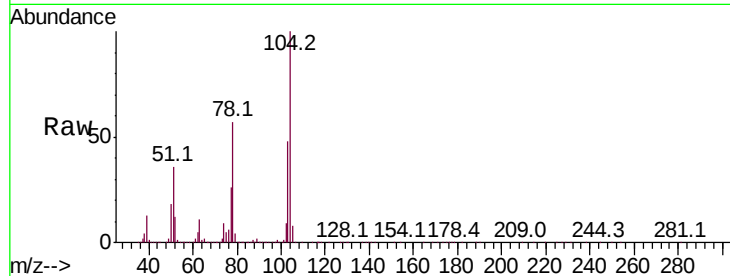
78 58.1 46.8 70.2

103 48.3 38.4 57.6

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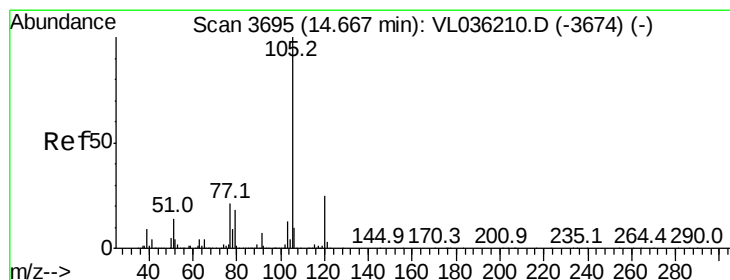
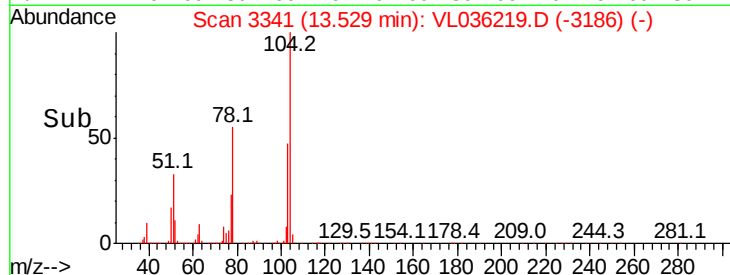
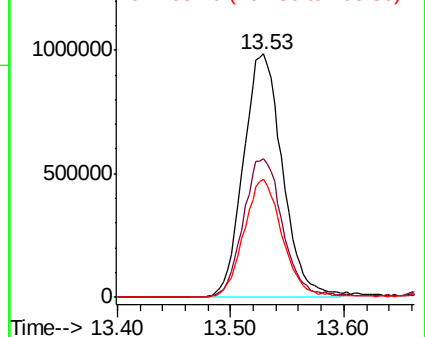
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Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VL0

Ion 103.10 (102.80 to 103.80): V



#62

Isopropylbenzene

Concen: 8.499 ppbv

RT: 14.67 min Scan# 3696

Delta R.T. 0.00 min

Lab File: VL036219.D

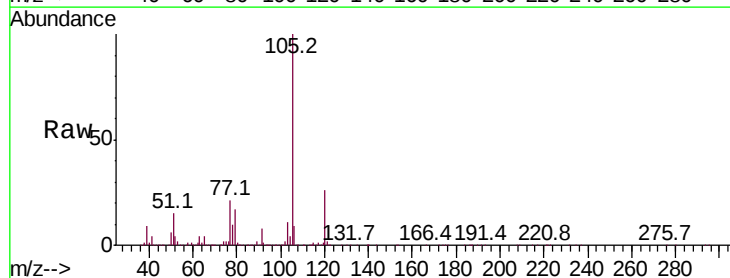
Acq: 13 Jan 2021 9:38

Tgt Ion:105 Resp: 4935011

Ion Ratio Lower Upper

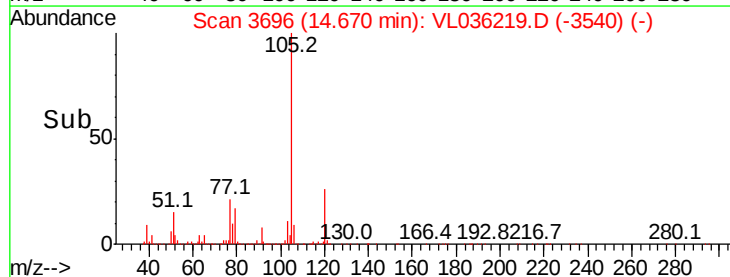
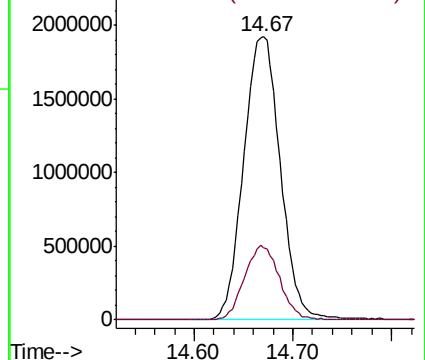
105 100

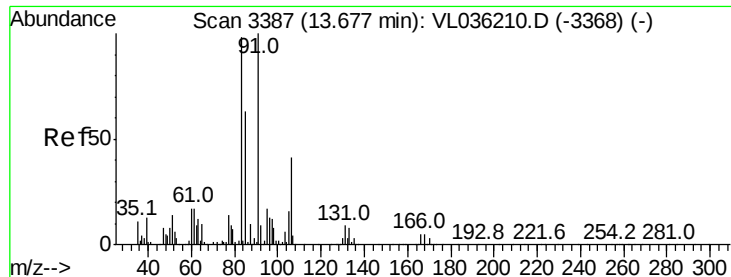
120 25.3 20.3 30.5



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V





#63

1,1,2,2-Tetrachloroethane

Concen: 7.924 ppbv

RT: 13.68 min Scan# 3388

Delta R.T. 0.00 min

Lab File: VL036219.D

Acq: 13 Jan 2021 9:38

Instrument :

MSVOA_L

ClientSampleId :

VL0113ABS01

Tot Ion: 83 Resp: 2304112

Ion Ratio Lower Upper

83 100

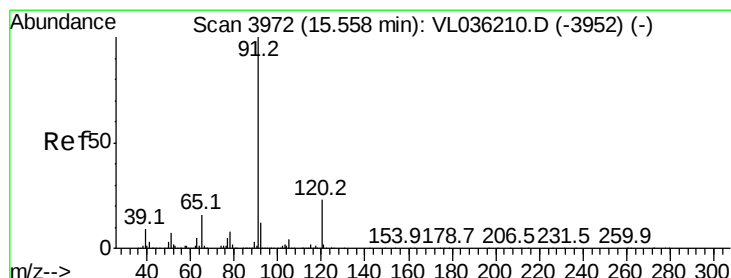
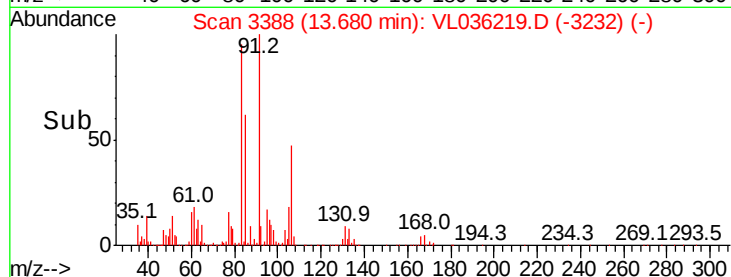
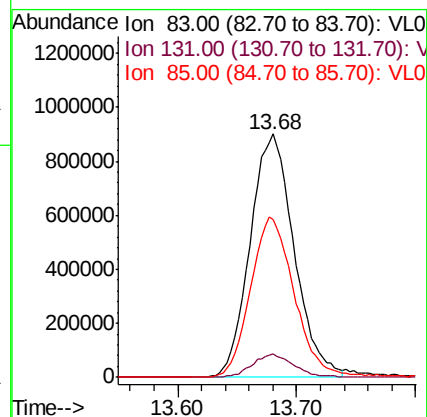
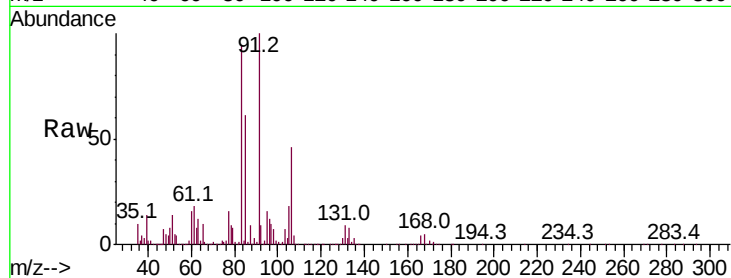
131 9.2 4.5 13.5

85 66.4 33.1 99.3

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#64

n-propylbenzene

Concen: 8.892 ppbv

RT: 15.56 min Scan# 3974

Delta R.T. 0.01 min

Lab File: VL036219.D

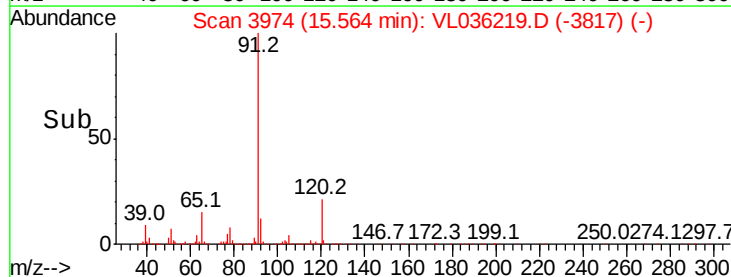
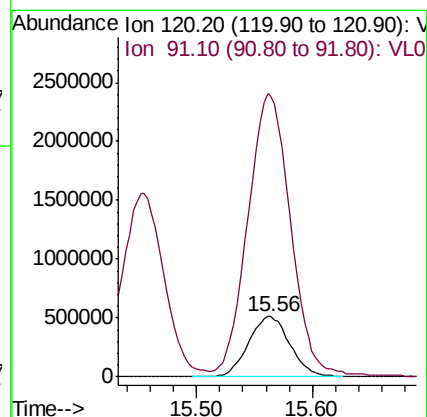
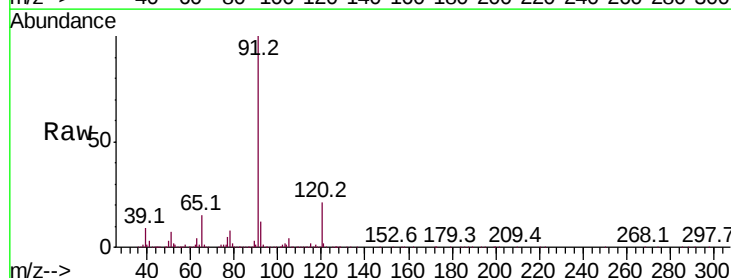
Acq: 13 Jan 2021 9:38

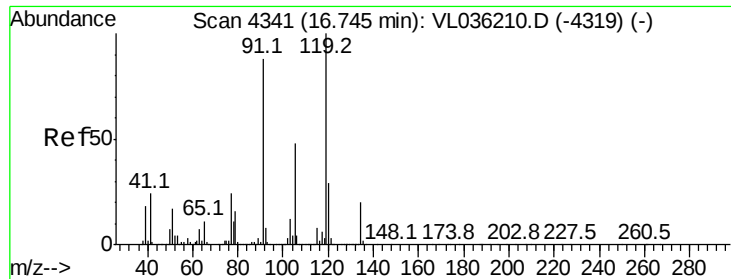
Tgt Ion: 120 Resp: 1268600

Ion Ratio Lower Upper

120 100

91 489.5 391.8 587.6





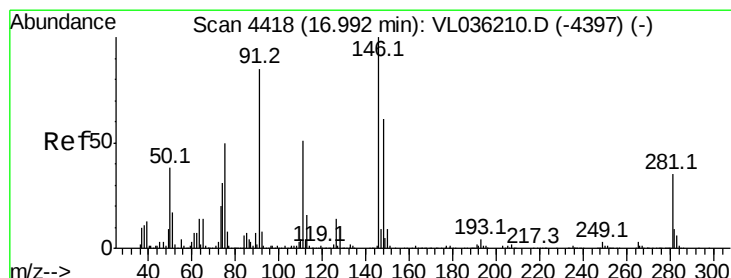
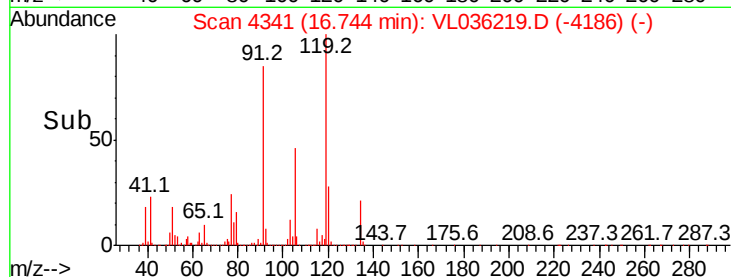
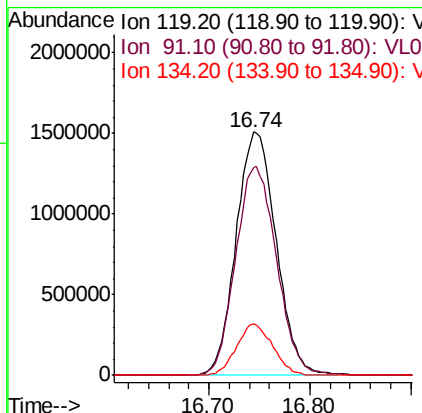
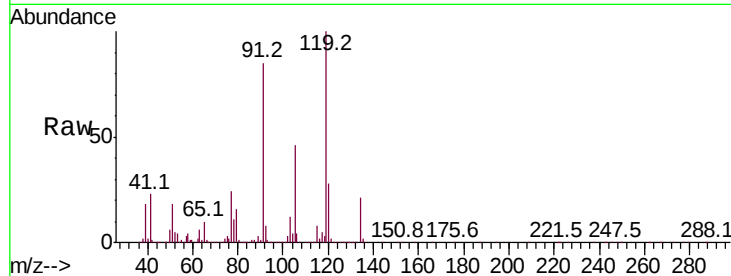
#65
tert-Butylbenzene
Concen: 8.441 ppbv
RT: 16.74 min Scan# 4341
Delta R.T. -0.00 min
Lab File: VL036219.D
Acq: 13 Jan 2021 9:38

Instrument :
MSVOA_L
ClientSampleId :
VL0113ABS01

Tot Ion: 119 Resp: 4153040
Ion Ratio Lower Upper
119 100
91 88.0 71.0 106.6
134 19.3 15.8 23.6

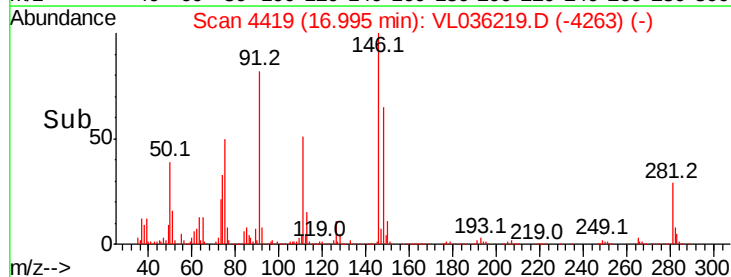
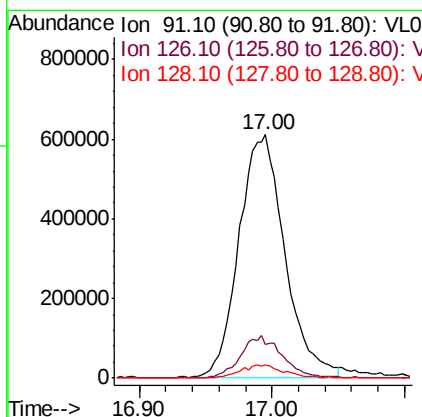
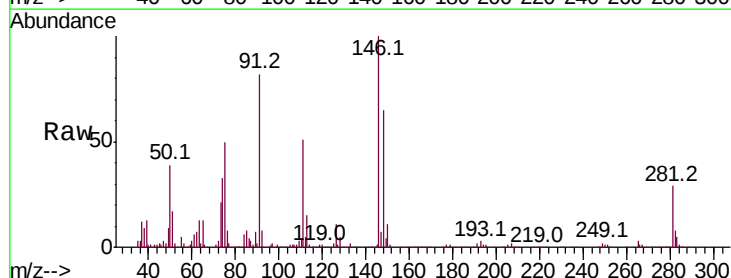
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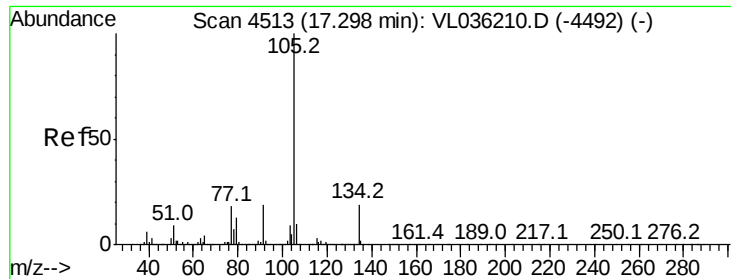
MMDadoda
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#66
Benzyl Chloride
Concen: 11.599 ppbv
RT: 17.00 min Scan# 4419
Delta R.T. 0.00 min
Lab File: VL036219.D
Acq: 13 Jan 2021 9:38

Tgt Ion: 91 Resp: 1458026
Ion Ratio Lower Upper
91 100
126 16.4 12.6 19.0
128 5.4 3.8 5.6





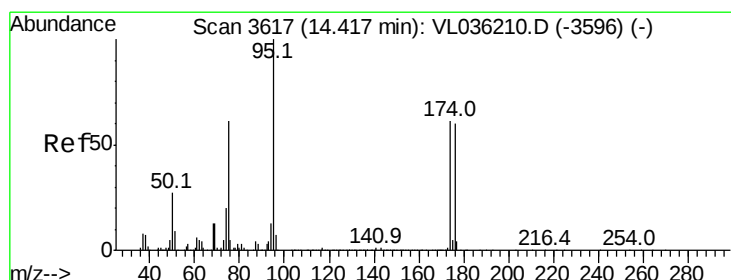
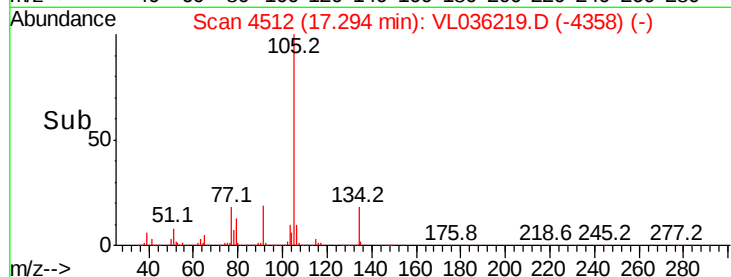
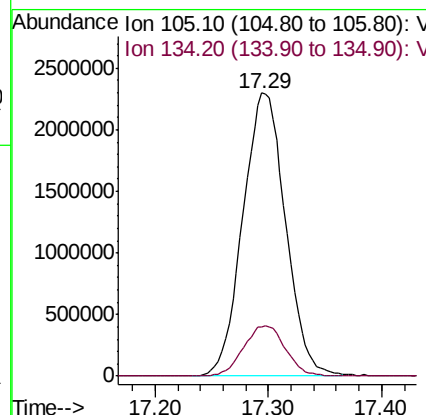
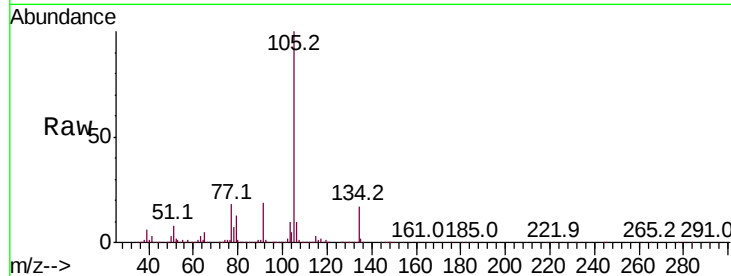
#67
 sec-Butylbenzene
 Concen: 8.232 ppbv
 RT: 17.29 min Scan# 4512
 Delta R.T. -0.00 min
 Lab File: VL036219.D
 Acq: 13 Jan 2021 9:38

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0113ABS01

Tot Ion:105 Resp: 6012363
 Ion Ratio Lower Upper
 105 100
 134 17.6 14.2 21.4

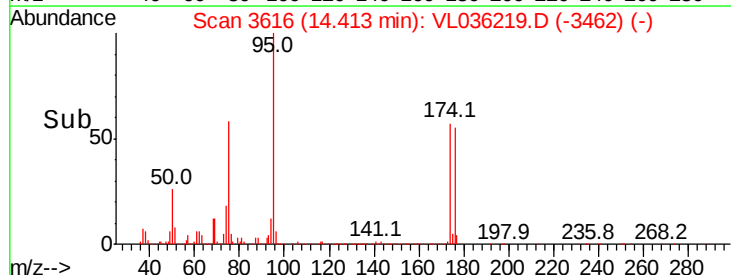
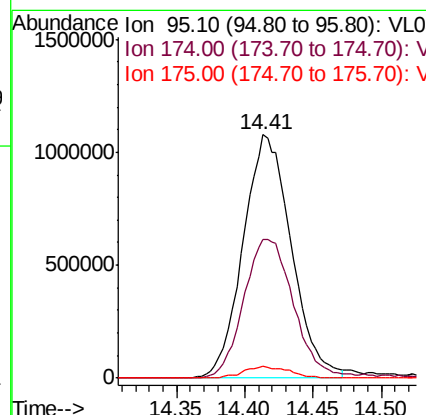
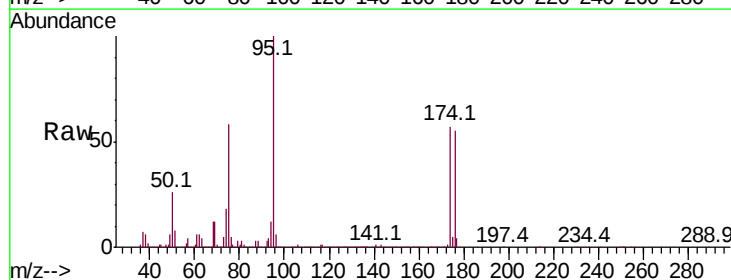
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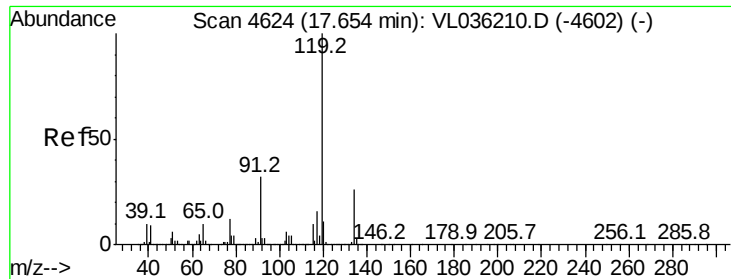
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#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.999 ppbv
 RT: 14.41 min Scan# 3616
 Delta R.T. -0.00 min
 Lab File: VL036219.D
 Acq: 13 Jan 2021 9:38

Tgt Ion: 95 Resp: 2629874
 Ion Ratio Lower Upper
 95 100
 174 61.2 49.4 74.0
 175 4.8 3.8 5.8





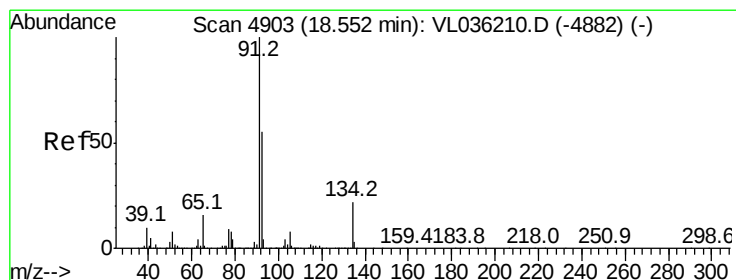
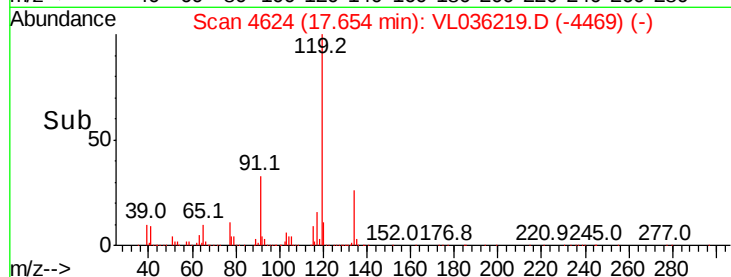
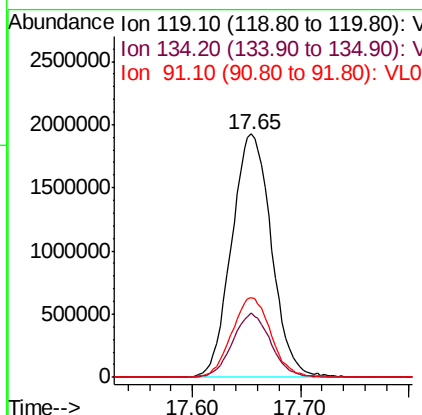
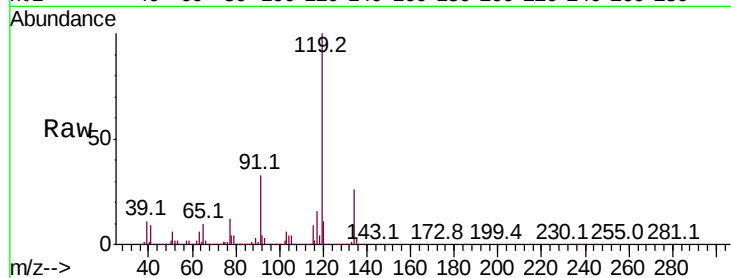
#69
p-Isopropyltoluene
Concen: 8.518 ppbv
RT: 17.65 min Scan# 4624
Delta R.T. -0.00 min
Lab File: VL036219.D
Acq: 13 Jan 2021 9:38

Instrument :
MSVOA_L
ClientSampleId :
VL0113ABS01

Tot Ion	Ratio	Lower	Upper
119	100		
134	25.2	20.2	30.4
91	32.1	26.0	39.0

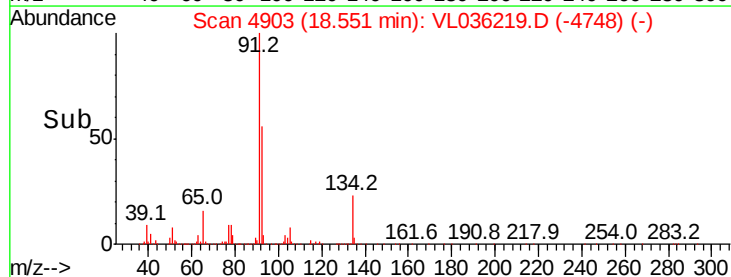
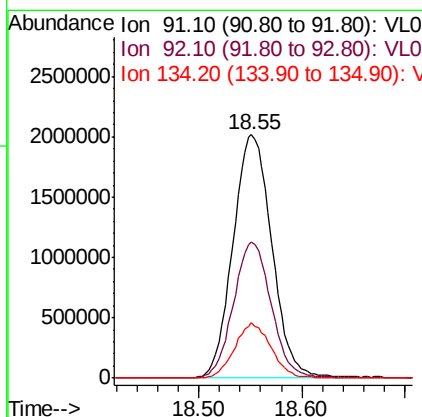
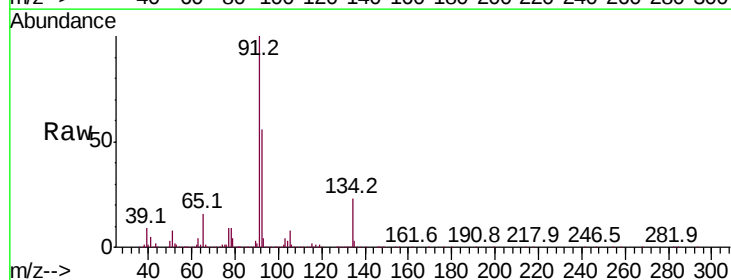
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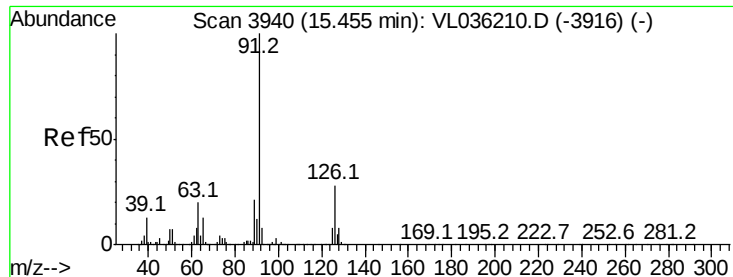
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#70
n-Butylbenzene
Concen: 8.553 ppbv
RT: 18.55 min Scan# 4903
Delta R.T. -0.00 min
Lab File: VL036219.D
Acq: 13 Jan 2021 9:38

Tgt Ion	Ratio	Lower	Upper
91	100		
92	54.6	44.0	66.0
134	21.5	17.0	25.4





#71

2-Chlorotoluene

Concen: 8.606 ppbv

RT: 15.45 min Scan# 3940

Delta R.T. -0.00 min

Lab File: VL036219.D

Acq: 13 Jan 2021 9:38

Instrument :

MSVOA_L

ClientSampleId :

VL0113ABS01

Tot Ion: 91 Resp: 3927696

Ion Ratio Lower Upper

91 100

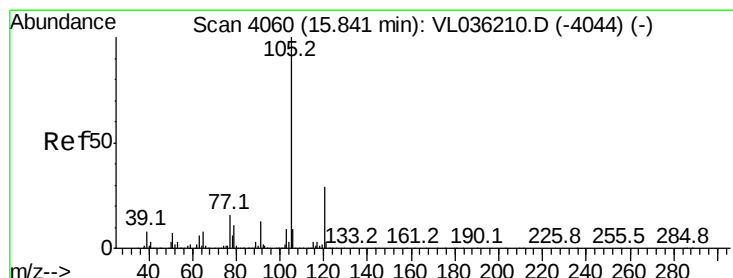
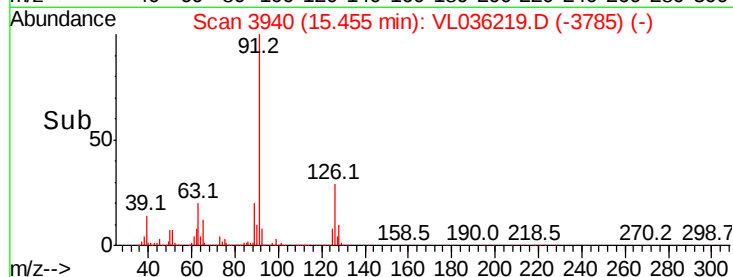
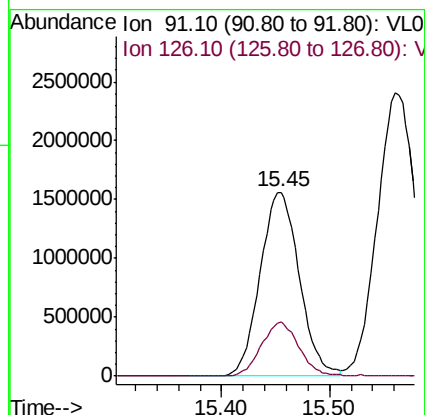
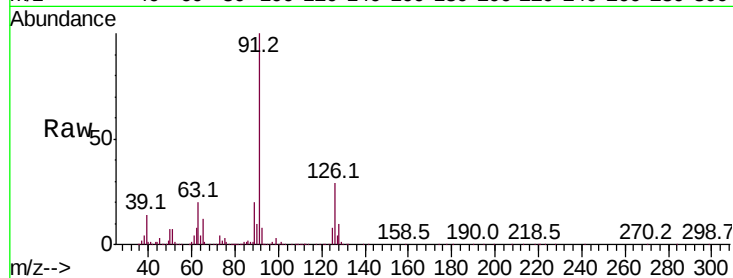
126 28.9 11.5 45.9

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#72

4-Ethyltoluene

Concen: 8.941 ppbv

RT: 15.84 min Scan# 4060

Delta R.T. -0.00 min

Lab File: VL036219.D

Acq: 13 Jan 2021 9:38

Tgt Ion:105 Resp: 3940382

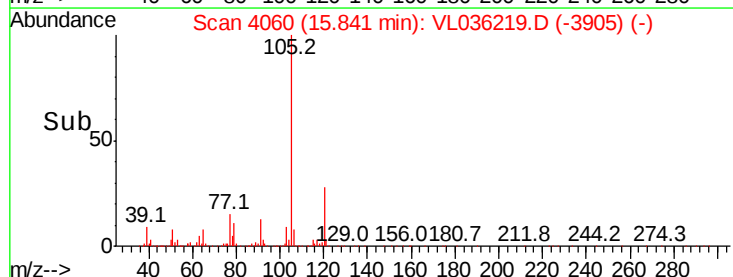
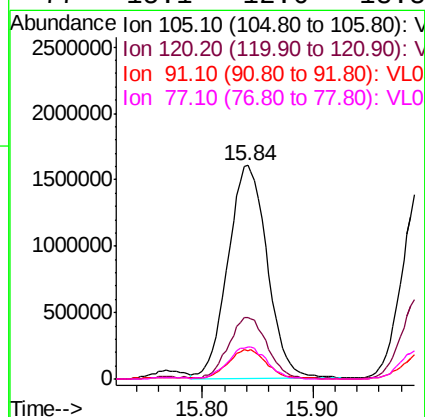
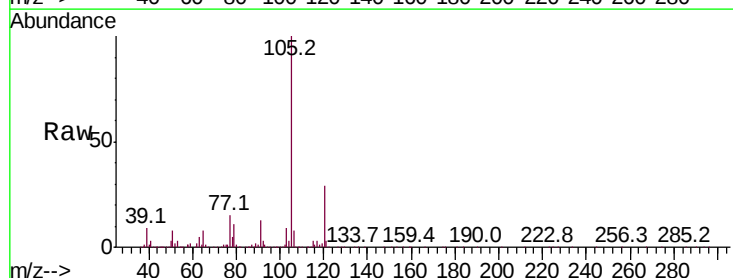
Ion Ratio Lower Upper

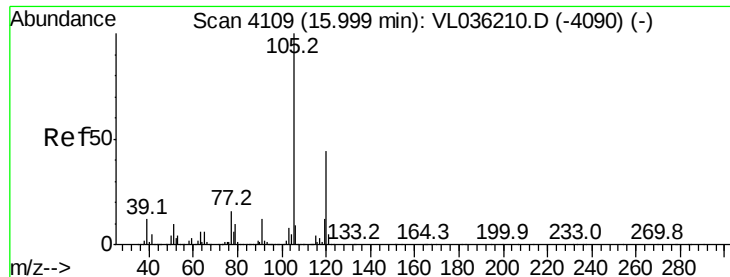
105 100

120 28.7 23.7 35.5

91 13.3 11.9 17.9

77 15.1 12.6 18.8





#73

1,3,5-Trimethylbenzene

Concen: 8.825 ppbv

RT: 16.00 min Scan# 4109

Delta R.T. -0.00 min

Lab File: VL036219.D

Acq: 13 Jan 2021 9:38

Instrument :

MSVOA_L

ClientSampleId :

VL0113ABS01

Tot Ion:105 Resp: 3707497

Ion Ratio Lower Upper

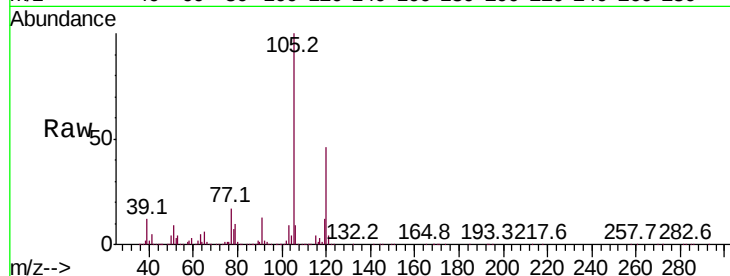
105 100

120 46.4 35.5 53.3

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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

1500000

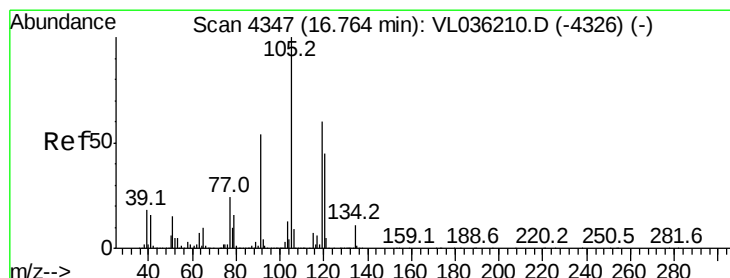
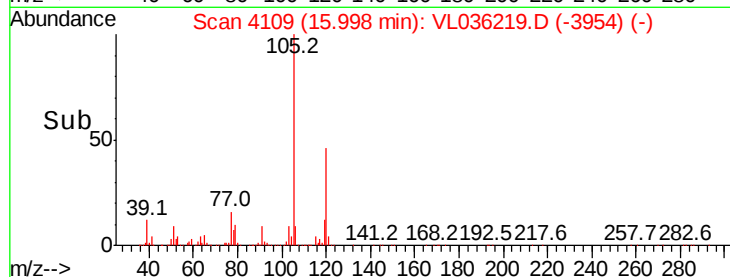
1000000

500000

0

15.90 16.00 16.10

Time-->



#74

1,2,4-Trimethylbenzene

Concen: 8.507 ppbv

RT: 16.77 min Scan# 4348

Delta R.T. 0.00 min

Lab File: VL036219.D

Acq: 13 Jan 2021 9:38

Tgt Ion:105 Resp: 3666102

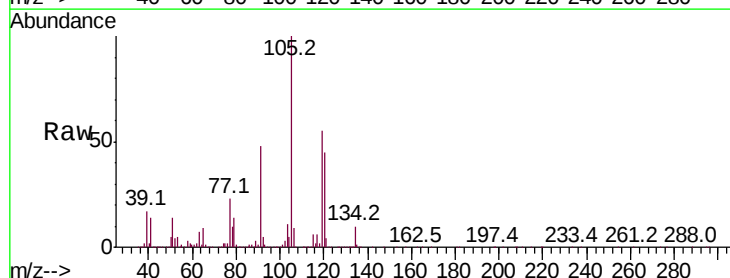
Ion Ratio Lower Upper

105 100

120 44.9 36.2 54.2

91 47.2 43.3 64.9

77 22.6 19.1 28.7



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

2000000

1500000

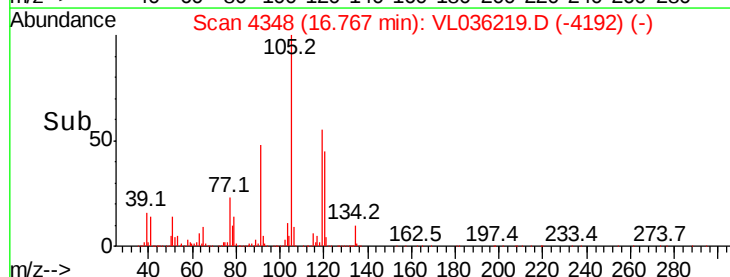
1000000

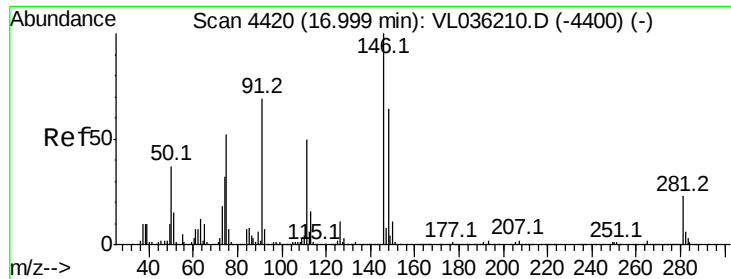
500000

0

16.70 16.77 16.80

Time-->





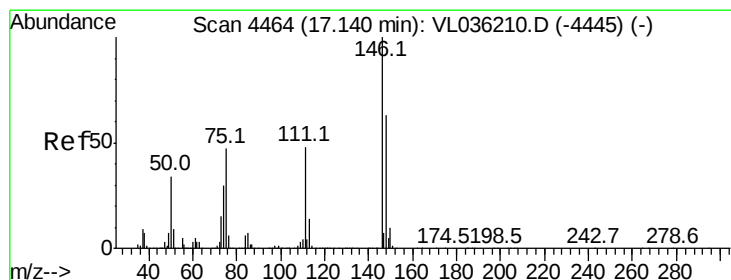
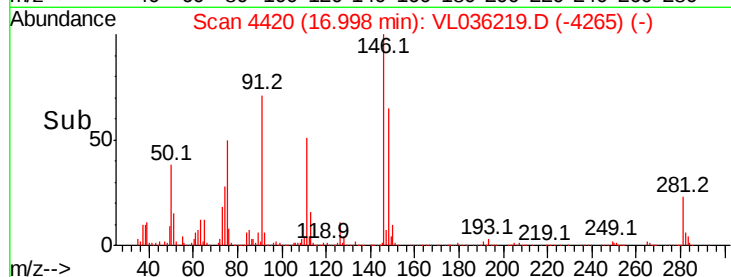
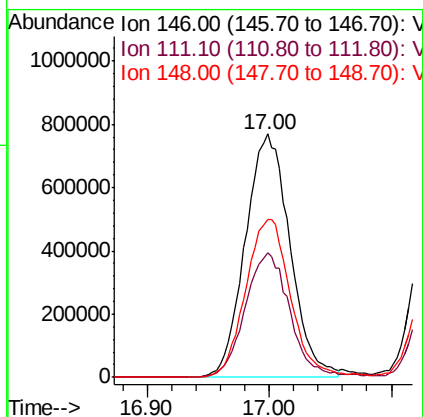
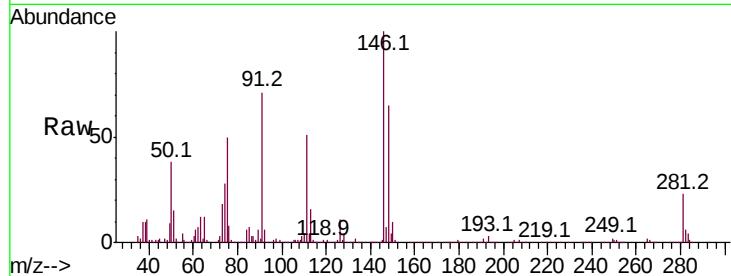
#75
 1,3-Dichlorobenzene
 Concen: 8.422 ppbv
 RT: 17.00 min Scan# 4420
 Delta R.T. -0.00 min
 Lab File: VL036219.D
 Acq: 13 Jan 2021 9:38

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0113ABS01

Tot Ion:146 Resp: 1946452
 Ion Ratio Lower Upper
 146 100
 111 51.3 25.5 76.5
 148 65.4 32.4 97.2

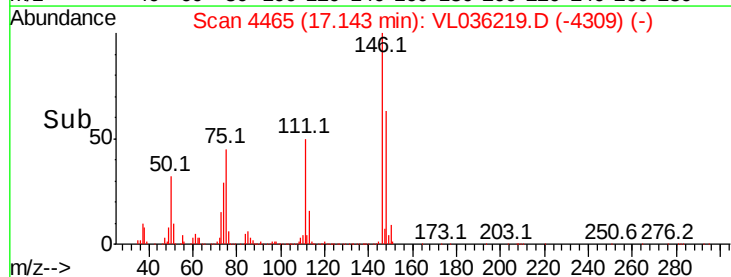
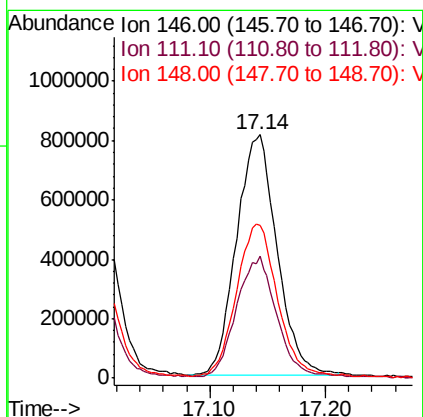
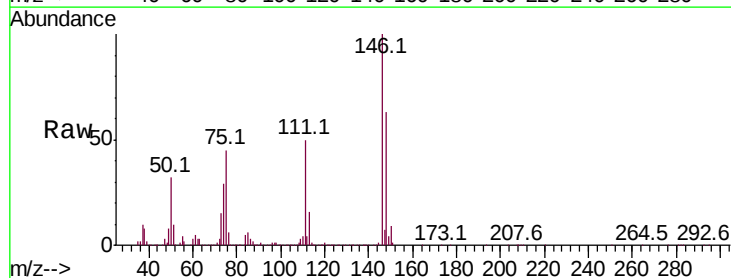
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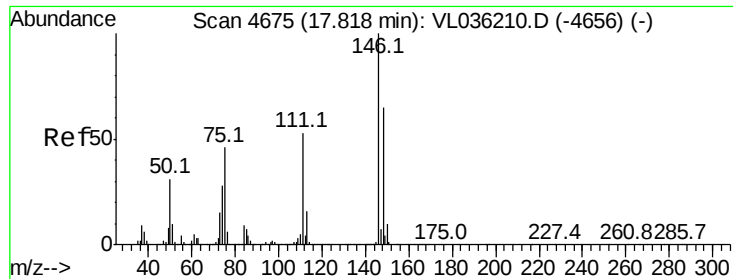
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#76
 1,4-Dichlorobenzene
 Concen: 8.615 ppbv
 RT: 17.14 min Scan# 4465
 Delta R.T. 0.00 min
 Lab File: VL036219.D
 Acq: 13 Jan 2021 9:38

Tgt Ion:146 Resp: 1967077
 Ion Ratio Lower Upper
 146 100
 111 51.2 25.4 76.0
 148 66.1 33.3 99.9





#77

1,2-Dichlorobenzene

Concen: 8.665 ppbv

RT: 17.82 min Scan# 4676

Delta R.T. 0.00 min

Lab File: VL036219.D

Acq: 13 Jan 2021 9:38

Instrument :

MSVOA_L

ClientSampled :

VL0113ABS01

Tot Ion:146 Resp: 1956079

Ion Ratio Lower Upper

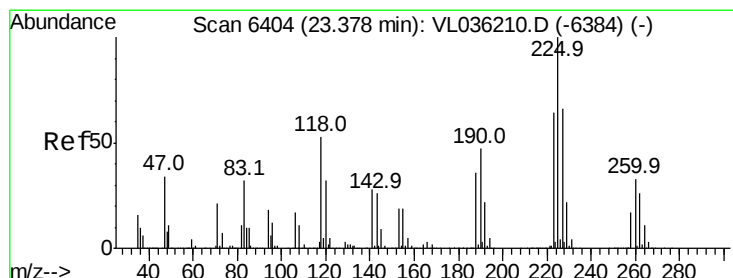
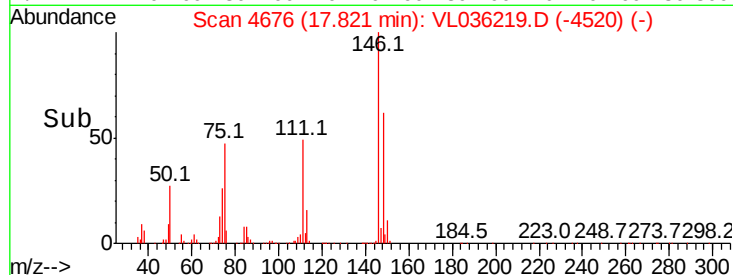
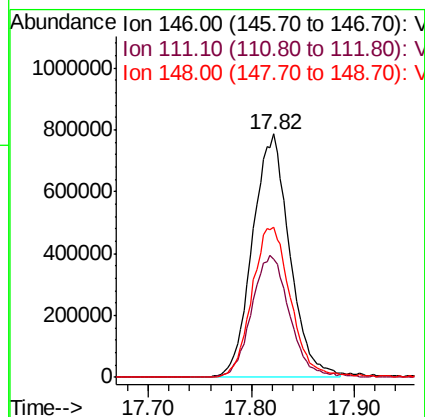
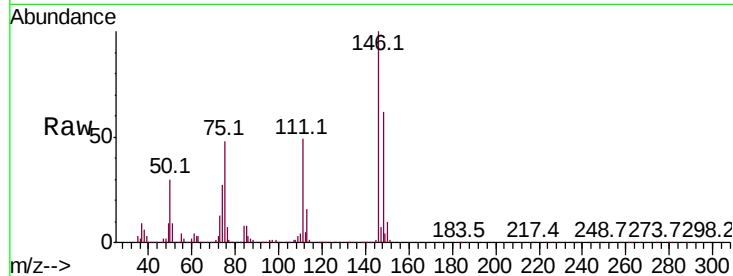
146 100

111 51.4 26.5 79.4

148 64.4 32.8 98.4

Manual Integrations
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#78

Hexachloro-1,3-Butadiene

Concen: 8.035 ppbv

RT: 23.38 min Scan# 6404

Delta R.T. -0.00 min

Lab File: VL036219.D

Acq: 13 Jan 2021 9:38

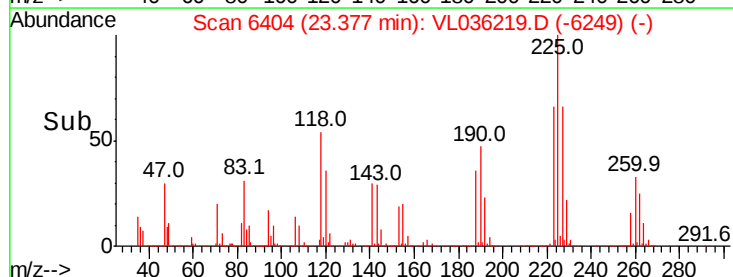
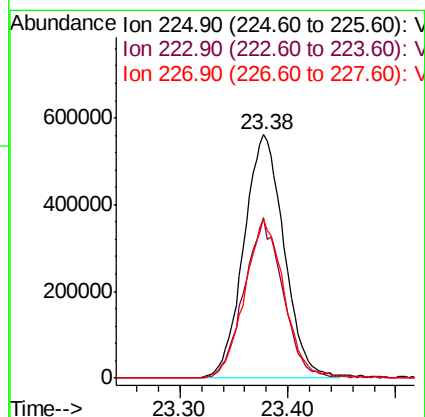
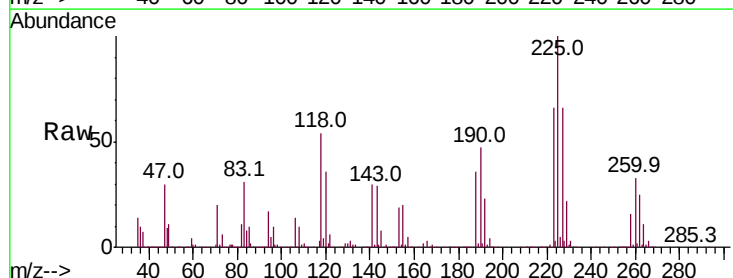
Tgt Ion:225 Resp: 1450827

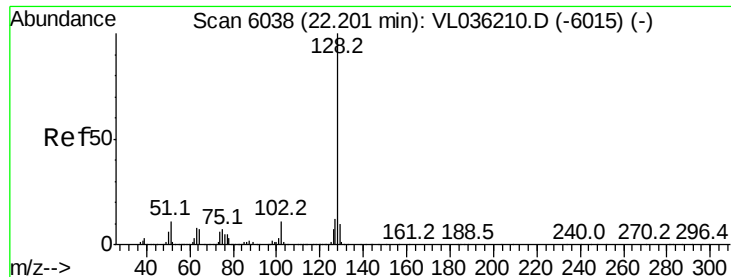
Ion Ratio Lower Upper

225 100

223 63.9 50.5 75.7

227 64.5 51.7 77.5





#79

Naphthalene

Concen: 11.071 ppbv

RT: 22.20 min Scan# 6037

Delta R.T. -0.00 min

Lab File: VL036219.D

Acq: 13 Jan 2021 9:38

Instrument :

MSVOA_L

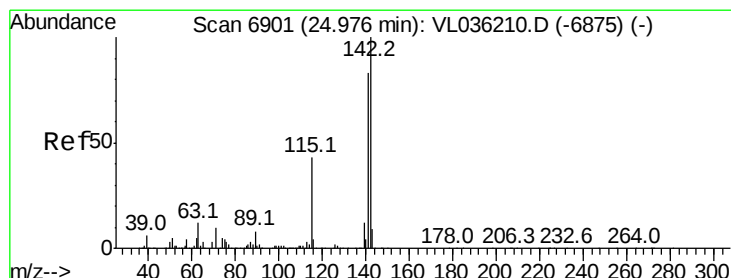
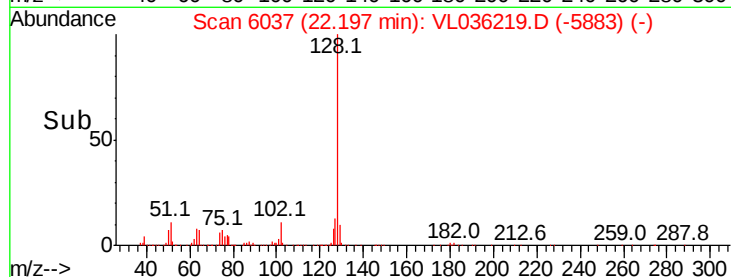
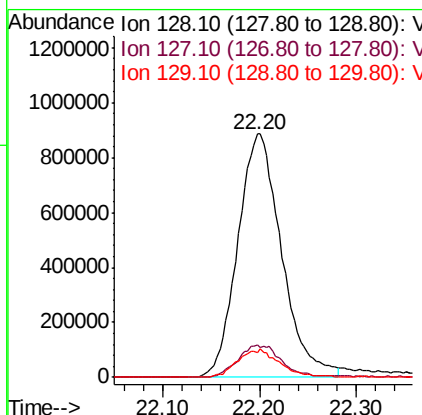
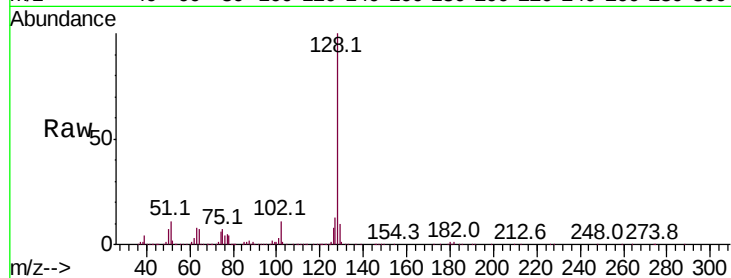
ClientSampleId :

VL0113ABS01

Tot Ion:	128	Resp:	2788852
Ion	Ratio	Lower	Upper
128	100		
127	13.1	9.9	14.9
129	10.2	8.4	12.6

Manual Integrations
APPROVED

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1/18/2021 3:49:11 PM



#80

Naphthalene, 2-methyl-

Concen: 18.753 ppbv

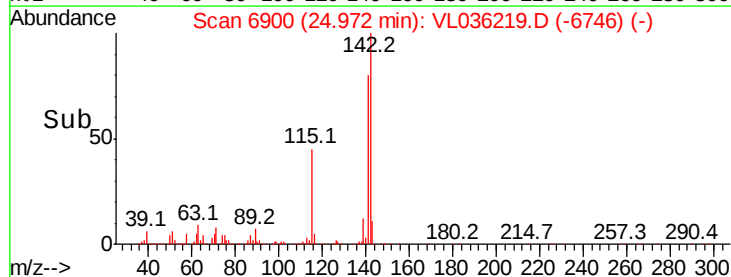
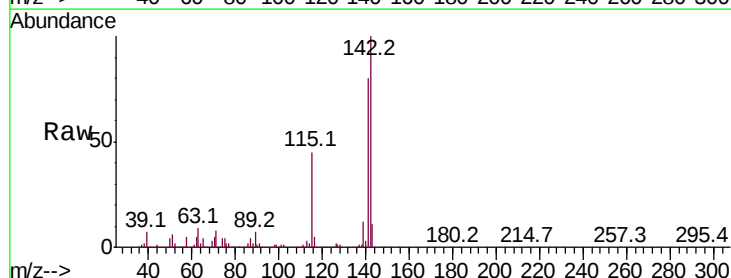
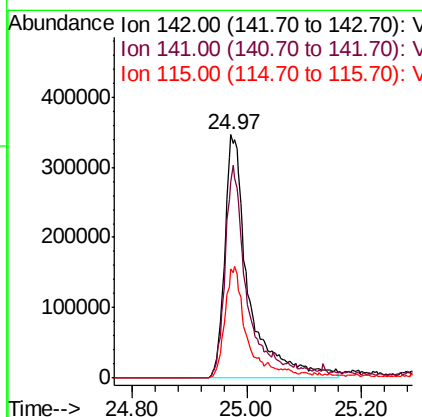
RT: 24.97 min Scan# 6900

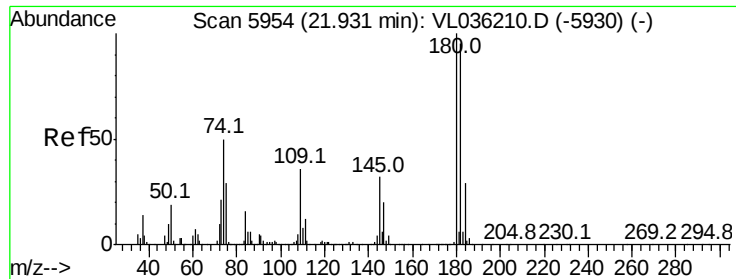
Delta R.T. -0.00 min

Lab File: VL036219.D

Acq: 13 Jan 2021 9:38

Tgt Ion:	142	Resp:	1007972
Ion	Ratio	Lower	Upper
142	100		
141	84.2	68.6	102.8
115	46.3	32.9	49.3





#81
 1,2,4-Trichlorobenzene
 Concen: 9.668 ppbv
 RT: 21.93 min Scan# 5953
 Delta R.T. -0.00 min
 Lab File: VL036219.D
 Acq: 13 Jan 2021 9:38

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0113ABS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	101.2	79.9	119.9
184	32.3	25.6	38.4

Manual Integrations
 APPROVED

MMDadoda
 1/18/2021 3:49:11 PM

