

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL122320\
 Data File : VL036208.D
 Acq On : 24 Dec 2020 8:02
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleID :
 VSTDCCC010EC

Manual Integrations
 APPROVED

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 12/26/2020 1:36:58 PM

Quant Time: Dec 25 01:12:41 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	5.65	49	1366342	10.00	ppbv	-0.03
33) 1,4-Difluorobenzene	7.17	114	2669723	10.00	ppbv	-0.03
55) Chlorobenzene-d5	12.08	117	2728438	10.00	ppbv	-0.03

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.41	95	2284527	10.54	ppbv	-0.04
Spiked Amount	10.000	Range	65 - 135	Recovery	=	105.40%

Target Compounds

						Ovalue
2) Dichlorodifluoromethane	3.03	85	1054571	6.623	ppbv	99
3) Chlorodifluoromethane	2.97	51	1738282	11.151	ppbv	96
4) Chloromethane	3.13	50	791081	10.336	ppbv	99
5) Vinyl Chloride	3.24	62	790043	9.278	ppbv	98
6) Bromomethane	3.46	94	423024	9.629	ppbv	92
7) Chloroethane	3.54	64	287256	9.904	ppbv	97
8) Dichlorotetrafluoroethane	3.17	85	1754104	9.912	ppbv	85
9) Propene	3.00	41	741092	9.490	ppbv	97
10) Heptane	8.11	43	1887971	9.466	ppbv	98
11) Trichlorofluoromethane	3.94	101	2132646	11.392	ppbv	98
12) 1,1,2-Trichlorotrifluoroet	4.47	101	1301469	10.236	ppbv	88
13) Ethanol	3.59	45	119885	11.136	ppbv	93
14) Bromoethene	3.73	108	512152	9.819	ppbv	97
15) Acetone	3.84	43	1892787	11.526	ppbv	97
16) 1,3-Butadiene	3.31	39	814457	9.847	ppbv	100
17) tert-Butyl alcohol	4.28	59	1385133	8.708	ppbv	99
18) 1,1-Dichloroethene	4.28	96	561869	9.953	ppbv	90
19) Isopropyl Alcohol	3.96	45	986643	9.830	ppbv #	100
20) Methylene Chloride	4.33	84	514135	7.640	ppbv	98
21) Allyl Chloride	4.40	41	1001632	9.173	ppbv	90
22) trans-1,2-Dichloroethene	4.87	96	545046	9.644	ppbv	100
23) Vinyl Acetate	5.06	43	2255013	10.314	ppbv #	98
24) 1,1-Dichloroethane	5.00	63	1500852	9.760	ppbv	99
25) Ethyl Acetate	5.67	43	3245975	9.894	ppbv	100
26) Hexane	5.68	57	1318750	8.932	ppbv	99
27) Carbon Disulfide	4.54	76	1417486	9.660	ppbv	94
28) Methyl tert-Butyl Ether	5.02	73	1923544	9.164	ppbv	98
29) Chloroform	5.75	83	2067821	10.665	ppbv	98
30) Cyclohexane	7.12	84	1019697	9.402	ppbv	96
31) cis-1,2-Dichloroethene	5.54	61	1418507	10.569	ppbv	94
32) 1,1,1-Trichloroethane	6.50	97	2055379	10.273	ppbv	95
34) 2-Butanone	5.23	43	2053668	11.597	ppbv	99
35) Carbon Tetrachloride	7.01	117	2007877	12.897	ppbv	97
36) Benzene	6.88	78	2550504	11.273	ppbv	97
37) 1,2-Dichloroethane	6.30	62	1848277	14.098	ppbv #	96
38) Trichloroethene	7.82	130	795642	9.407	ppbv	87
39) 1,2-Dichloropropane	7.60	63	1087081	12.166	ppbv	93
40) 1,4-Dioxane	7.82	88	322168	11.464	ppbv #	35
41) Tetrahydrofuran	6.04	42	1172447	11.144	ppbv	99
42) Bromodichloromethane	7.78	83	2343482	13.414	ppbv	99
43) Methyl Methacrylate	8.01	69	1173143	12.086	ppbv	94

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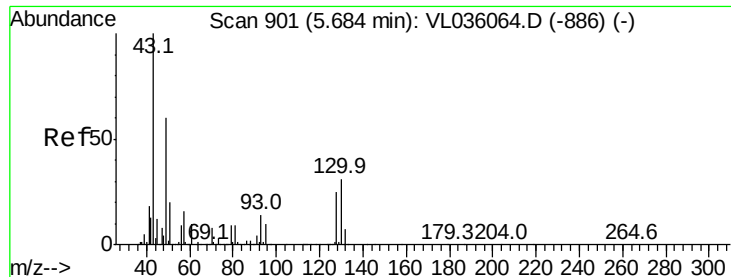
Manual Integrations
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Quant Time: Dec 25 01:12:41 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL120720AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Dec 0
 QLast Update : Mon Dec 07 16:56:49 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.86	57	4681999	11.427	ppbv	97
45) t-1,3-Dichloropropene	9.27	75	1295169	12.988	ppbv	95
46) cis-1,3-Dichloropropene	8.70	75	1550302	12.404	ppbv	90
47) 1,1,2-Trichloroethane	9.47	97	983906	11.446	ppbv	97
48) Dibromochloromethane	10.30	129	1614085	12.434	ppbv	99
49) Bromoform	13.04	173	1285454	12.581	ppbv	99
50) 4-Methyl-2-Pentanone	8.73	43	3175933	12.025	ppbv	99
51) 2-Hexanone	10.13	43	2647460	12.824	ppbv #	95
52) Tetrachloroethene	11.22	164	747603	9.128	ppbv	92
53) Toluene	9.80	91	2806665	11.047	ppbv	99
54) 1,2-Dibromoethane	10.60	107	1506353	11.690	ppbv	96
56) 1,1,1,2-Tetrachloroethane	12.12	131	1202837	10.632	ppbv	97
57) Chlorobenzene	12.14	112	1911399	9.979	ppbv	97
58) Ethyl Benzene	12.70	91	3975263	10.631	ppbv	97
59) m/p-Xylene	12.99	91	6813452m	21.635	ppbv	
60) o-Xylene	13.69	91	3199666	10.783	ppbv	95
61) Styrene	13.52	104	2077563	10.906	ppbv	94
62) Isopropylbenzene	14.66	105	4500400	10.232	ppbv	98
63) 1,1,2,2-Tetrachloroethane	13.67	83	2226345	11.141	ppbv	99
64) n-propylbenzene	15.55	120	1095295	10.351	ppbv	84
65) tert-Butylbenzene	16.74	119	3742973	10.397	ppbv	89
66) Benzyl Chloride	16.99	91	1262679	14.086	ppbv	94
67) sec-Butylbenzene	17.29	105	5439728	10.796	ppbv	97
69) p-Isopropyltoluene	17.65	119	4295840	10.719	ppbv	95
70) n-Butylbenzene	18.55	91	4859330	12.268	ppbv	98
71) 2-Chlorotoluene	15.45	91	3723246	11.199	ppbv	94
72) 4-Ethyltoluene	15.83	105	3504005	10.902	ppbv	96
73) 1,3,5-Trimethylbenzene	16.00	105	3311250	10.787	ppbv	96
74) 1,2,4-Trimethylbenzene	16.76	105	3393940	11.014	ppbv	94
75) 1,3-Dichlorobenzene	17.00	146	1656440	10.739	ppbv	97
76) 1,4-Dichlorobenzene	17.14	146	1633571	10.402	ppbv	96
77) 1,2-Dichlorobenzene	17.81	146	1596720	10.842	ppbv	96
78) Hexachloro-1,3-Butadiene	23.37	225	923125	7.821	ppbv	99
79) Naphthalene	22.19	128	1672490	10.678	ppbv	98
80) Naphthalene, 2-methyl-	24.98	142	687514	19.629	ppbv	92
81) 1,2,4-Trichlorobenzene	21.92	180	926082	8.849	ppbv #	100

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



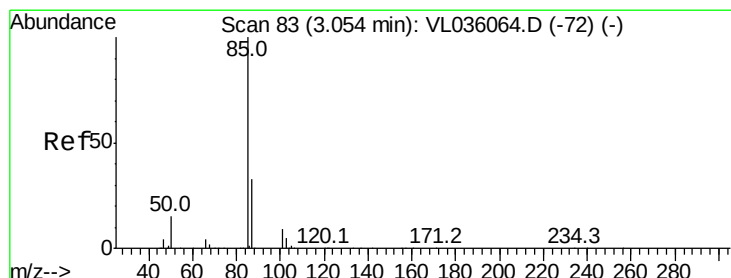
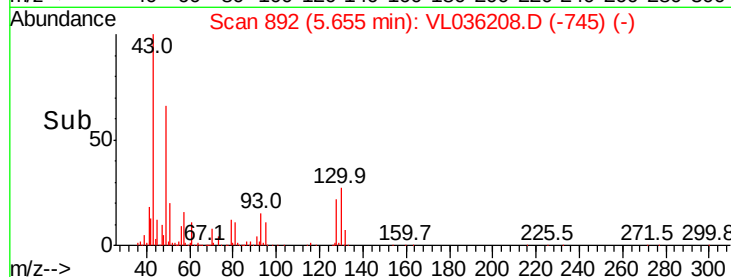
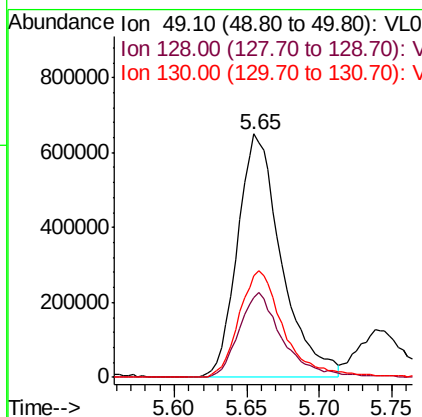
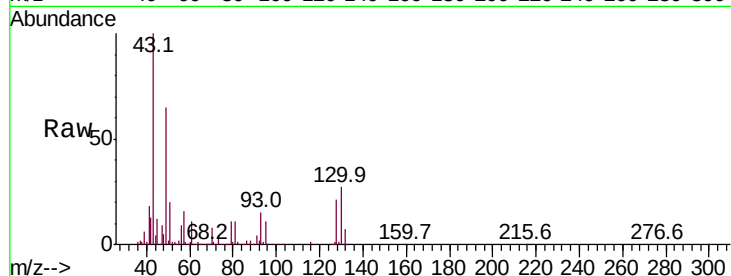
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.65 min Scan# 892
Delta R.T. -0.03 min
Lab File: VL036208.D
Acq: 24 Dec 2020 8:02

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 49 Resp: 1366342
Ion Ratio Lower Upper
49 100
128 35.2 21.1 63.1
130 44.7 27.1 81.3

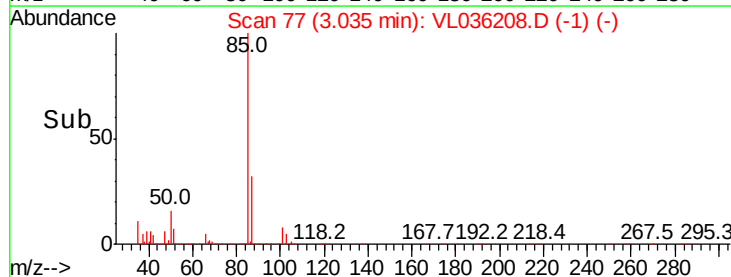
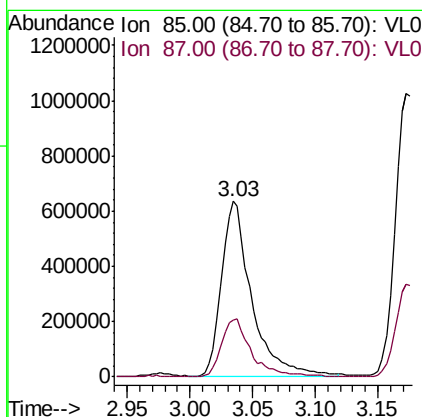
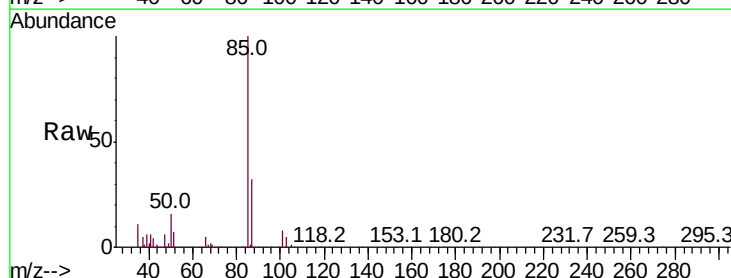
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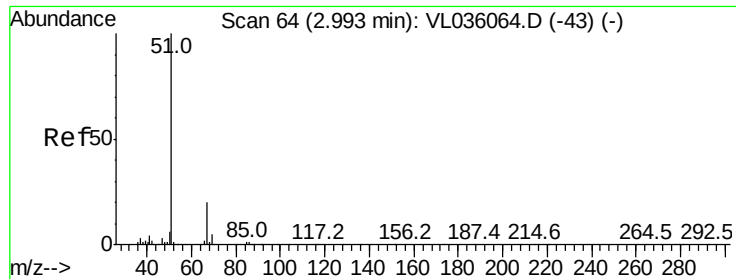
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#2
Dichlorodifluoromethane
Concen: 6.623 ppbv
RT: 3.03 min Scan# 77
Delta R.T. -0.02 min
Lab File: VL036208.D
Acq: 24 Dec 2020 8:02

Tgt Ion: 85 Resp: 1054571
Ion Ratio Lower Upper
85 100
87 32.4 26.5 39.7





#3

Chlorodifluoromethane

Concen: 11.151 ppbv

RT: 2.97 min Scan# 58

Delta R.T. -0.02 min

Lab File: VL036208.D

Acq: 24 Dec 2020 8:02

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 51 Resp: 1738282

Ion Ratio Lower Upper

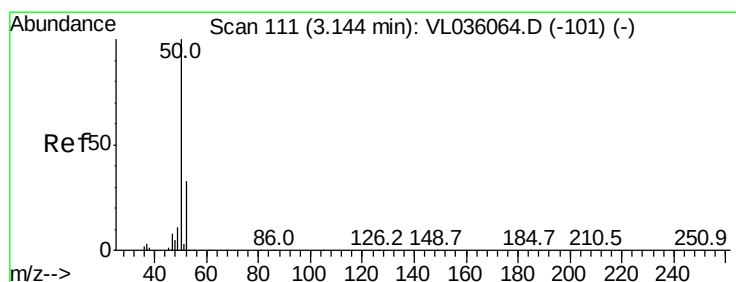
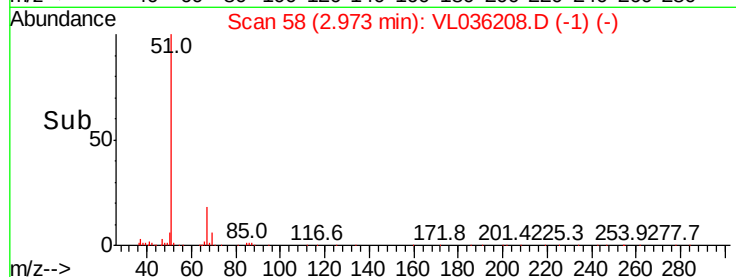
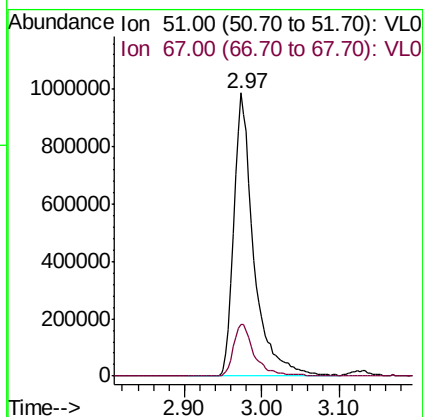
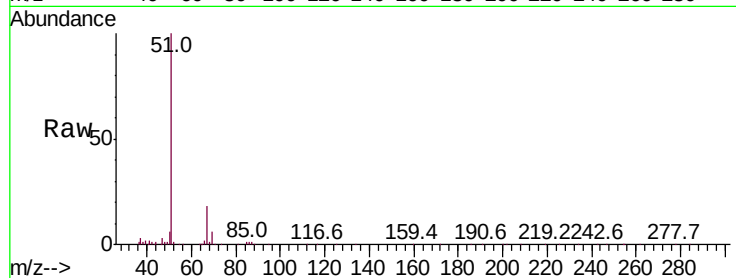
51 100

67 19.5 14.3 21.5

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#4

Chloromethane

Concen: 10.336 ppbv

RT: 3.13 min Scan# 106

Delta R.T. -0.02 min

Lab File: VL036208.D

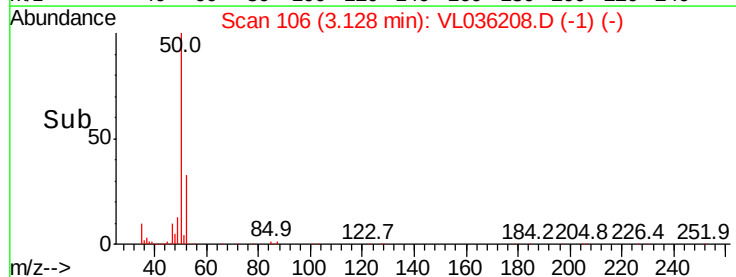
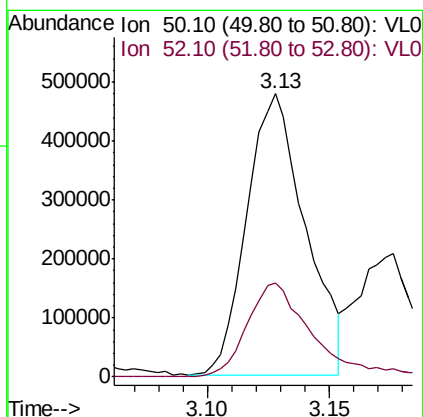
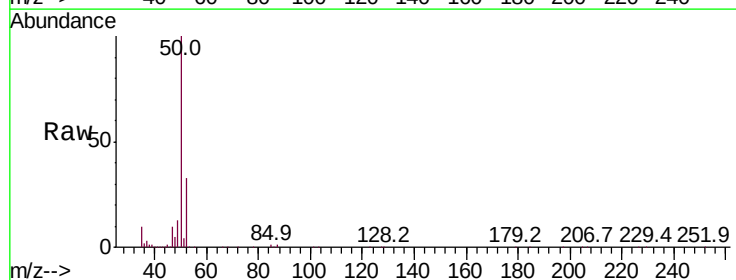
Acq: 24 Dec 2020 8:02

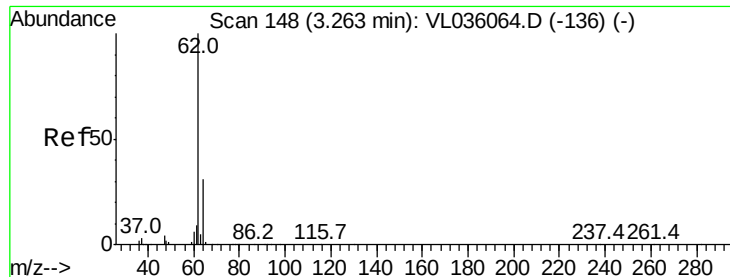
Tgt Ion: 50 Resp: 791081

Ion Ratio Lower Upper

50 100

52 33.3 26.1 39.1





#5

Vinyl Chloride

Concen: 9.278 ppbv

RT: 3.24 min Scan# 142

Delta R.T. -0.02 min

Lab File: VL036208.D

Acq: 24 Dec 2020 8:02

Instrument :

MSVOA_L

ClientSampleID :

VSTDCCC010EC

Tot Ion: 62 Resp: 790043

Ion Ratio Lower Upper

62 100

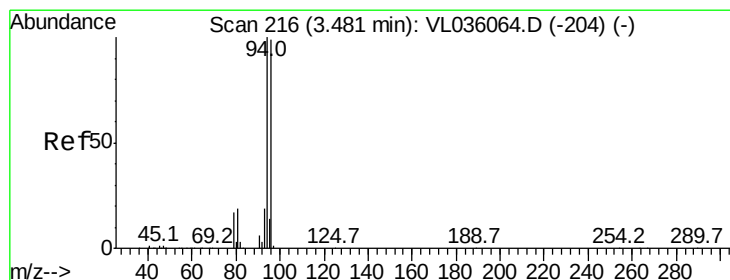
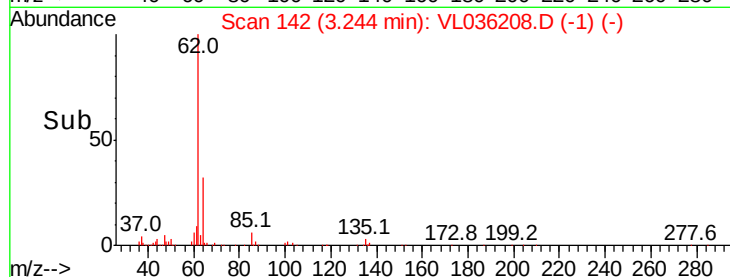
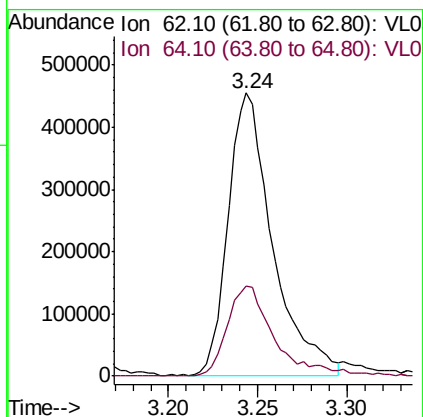
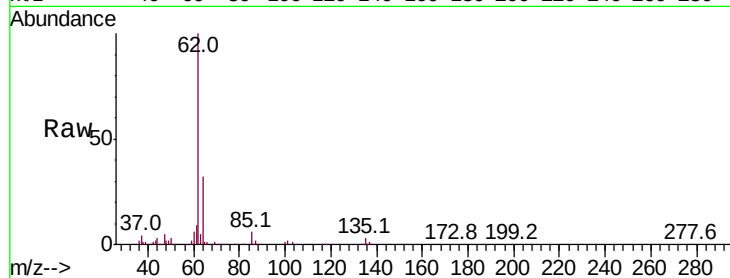
64 31.8 24.5 36.7

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#6

Bromomethane

Concen: 9.629 ppbv

RT: 3.46 min Scan# 209

Delta R.T. -0.02 min

Lab File: VL036208.D

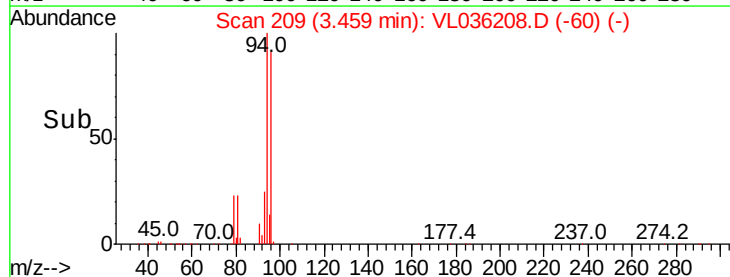
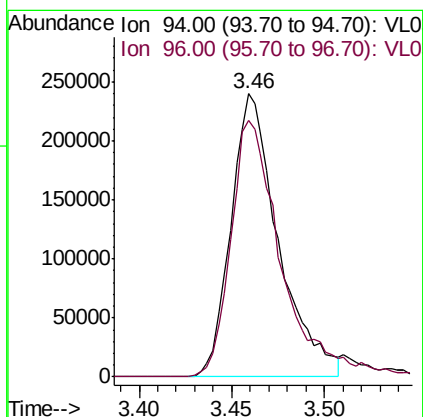
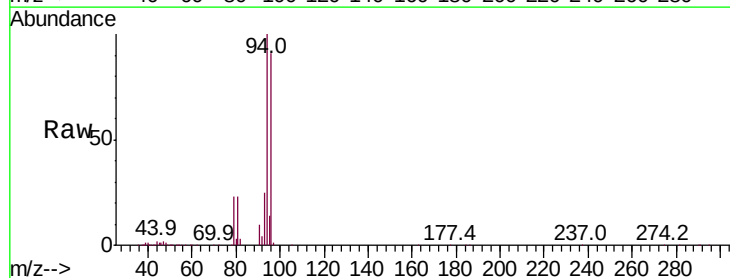
Acq: 24 Dec 2020 8:02

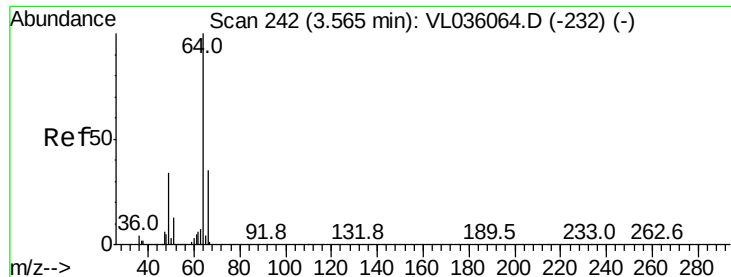
Tgt Ion: 94 Resp: 423024

Ion Ratio Lower Upper

94 100

96 90.8 79.4 119.0





#7

Chloroethane

Concen: 9.904 ppbv

RT: 3.54 min Scan# 235

Delta R.T. -0.02 min

Lab File: VL036208.D

Acq: 24 Dec 2020 8:02

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 64 Resp: 287256

Ion Ratio Lower Upper

64 100

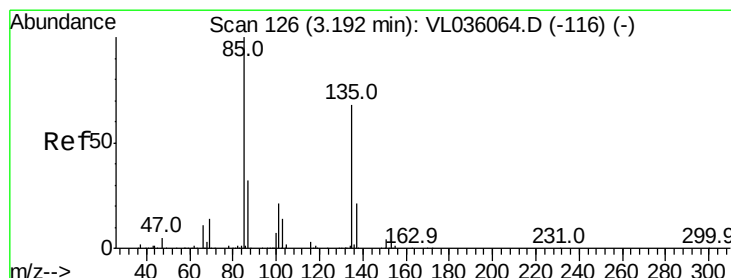
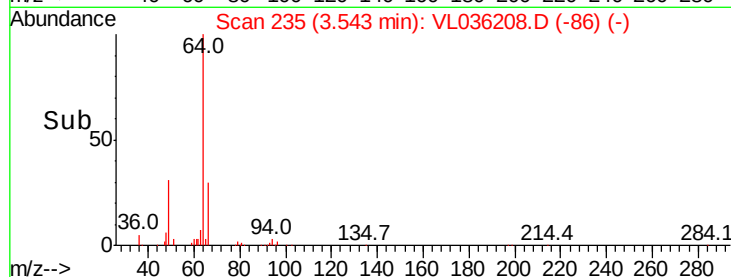
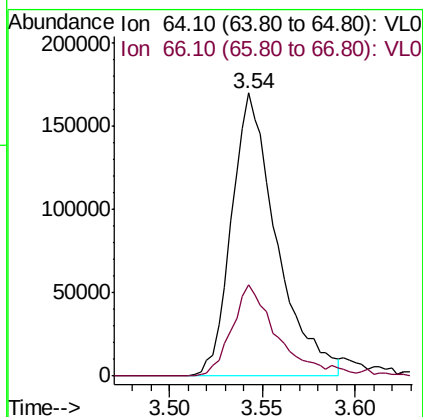
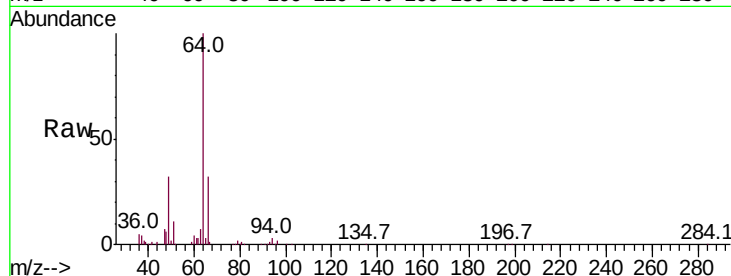
66 33.0 27.7 41.5

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#8

Dichlorotetrafluoroethane

Concen: 9.912 ppbv

RT: 3.17 min Scan# 120

Delta R.T. -0.02 min

Lab File: VL036208.D

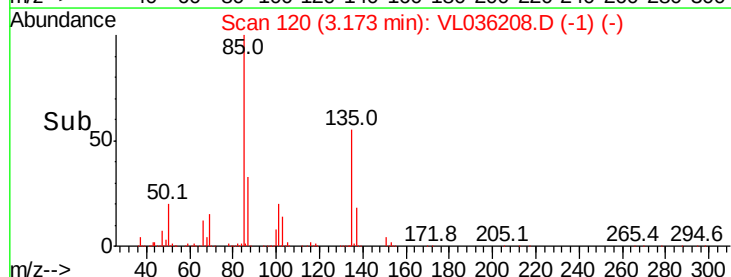
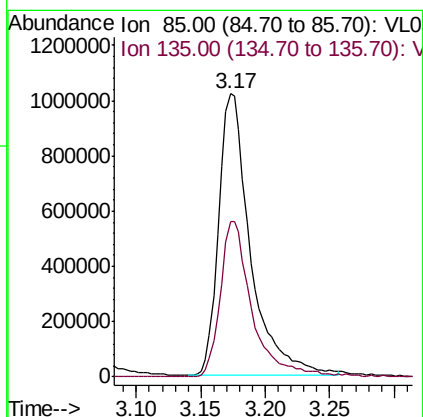
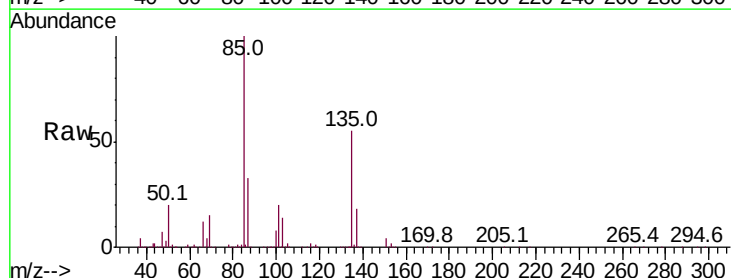
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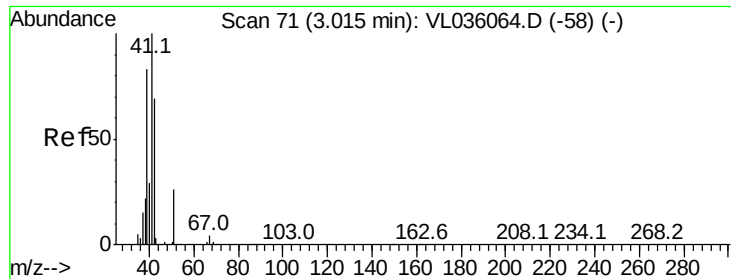
Tgt Ion: 85 Resp: 1754104

Ion Ratio Lower Upper

85 100

135 55.6 53.8 80.8





#9

Propene

Concen: 9.490 ppbv

RT: 3.00 min Scan# 66

Delta R.T. -0.02 min

Lab File: VL036208.D

Acq: 24 Dec 2020 8:02

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 41 Resp: 741092

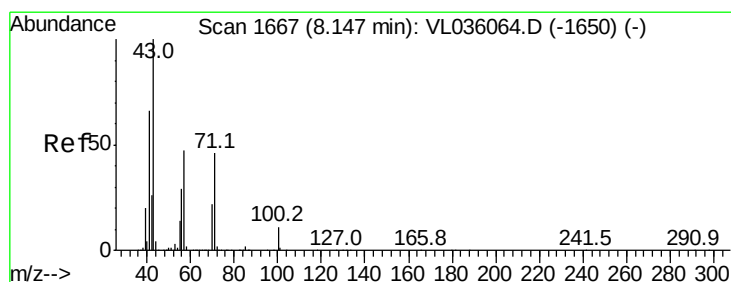
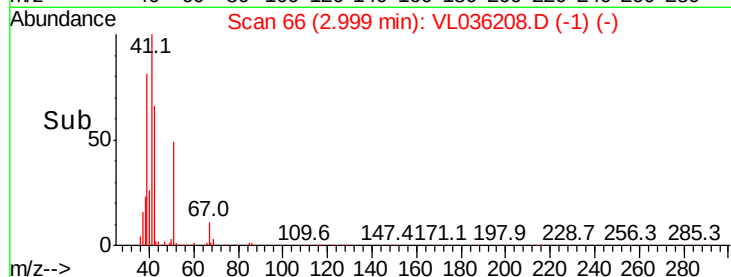
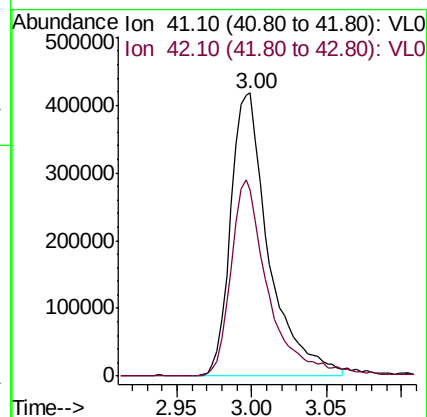
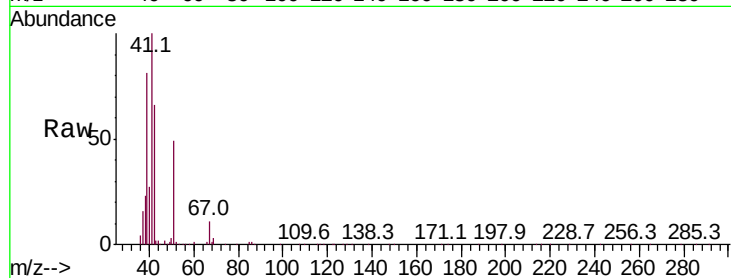
Ion Ratio Lower Upper

41 100

42 69.0 57.0 85.6

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#10

Heptane

Concen: 9.466 ppbv

RT: 8.11 min Scan# 1656

Delta R.T. -0.04 min

Lab File: VL036208.D

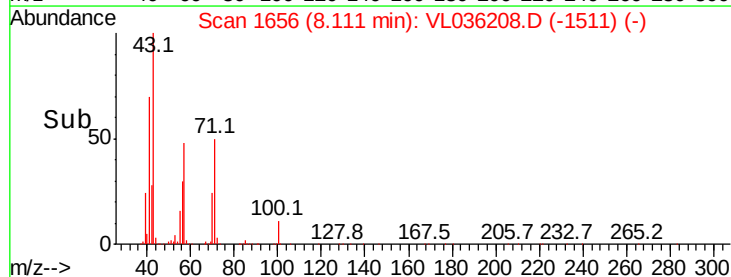
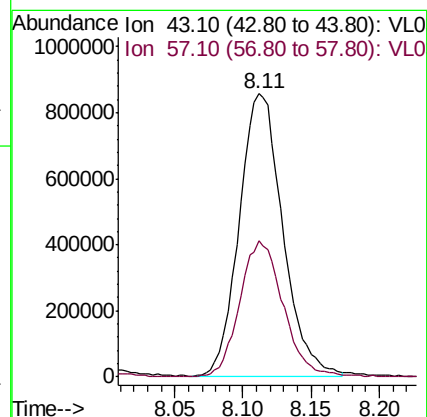
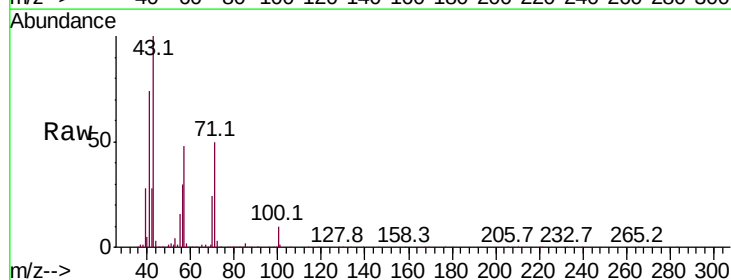
Acq: 24 Dec 2020 8:02

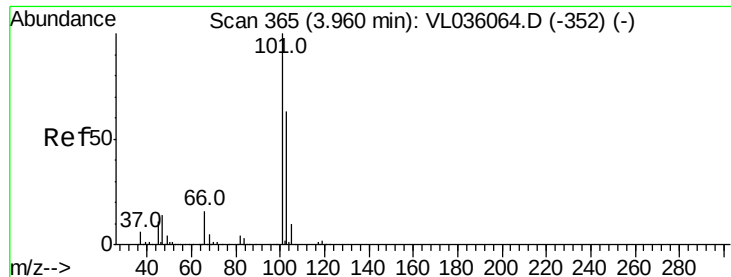
Tgt Ion: 43 Resp: 1887971

Ion Ratio Lower Upper

43 100

57 48.8 37.9 56.9





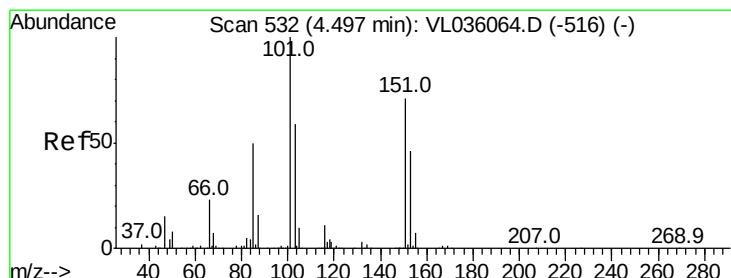
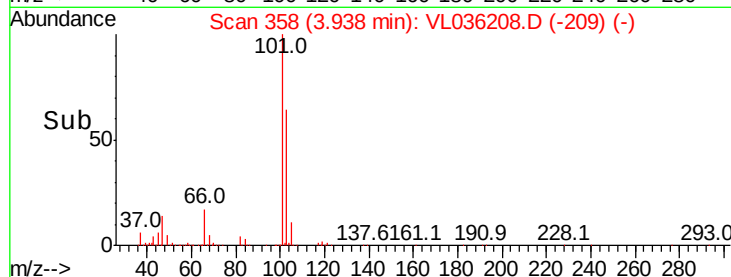
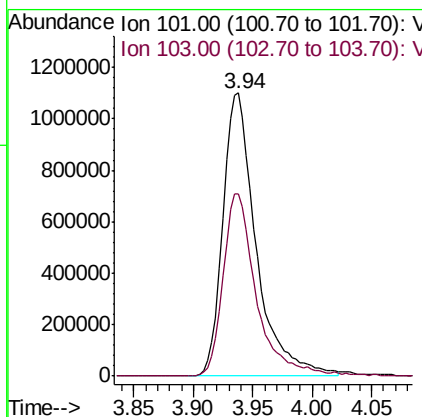
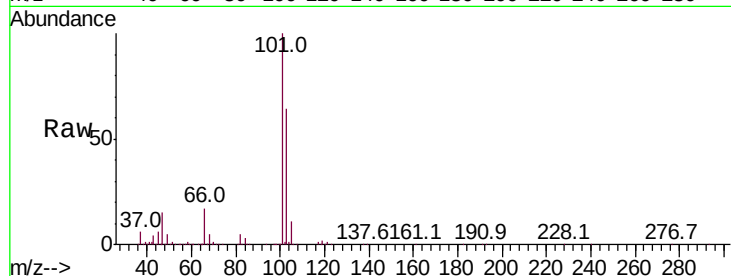
#11
 Trichlorofluoromethane
 Concen: 11.392 ppbv
 RT: 3.94 min Scan# 358
 Delta R.T. -0.02 min
 Lab File: VL036208.D
 Acq: 24 Dec 2020 8:02

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion:101 Resp: 2132646
 Ion Ratio Lower Upper
 101 100
 103 64.2 50.3 75.5

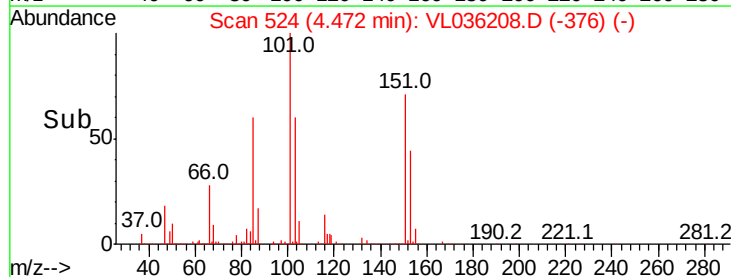
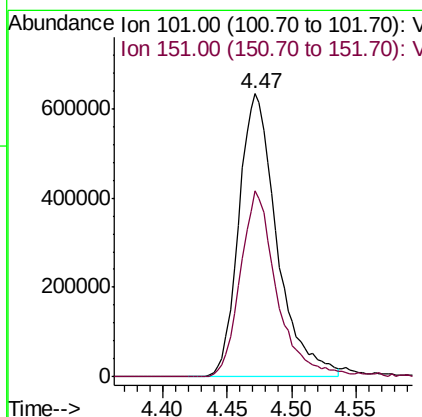
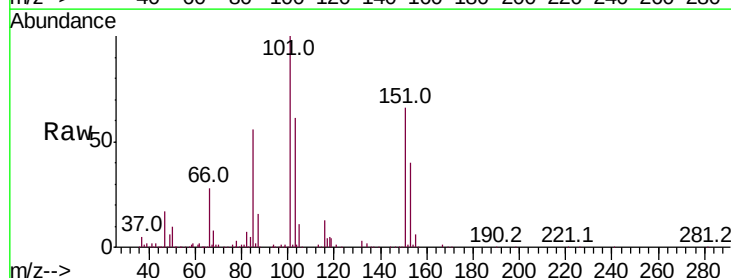
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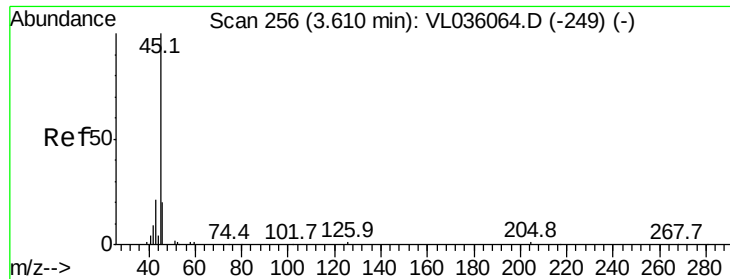
MMDadoda
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#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 10.236 ppbv
 RT: 4.47 min Scan# 524
 Delta R.T. -0.03 min
 Lab File: VL036208.D
 Acq: 24 Dec 2020 8:02

Tgt Ion:101 Resp: 1301469
 Ion Ratio Lower Upper
 101 100
 151 64.0 59.3 88.9





#13

Ethanol

Concen: 11.136 ppbv

RT: 3.59 min Scan# 251

Delta R.T. -0.02 min

Lab File: VL036208.D

Acq: 24 Dec 2020 8:02

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 45 Resp: 119885

Ion Ratio Lower Upper

45 100

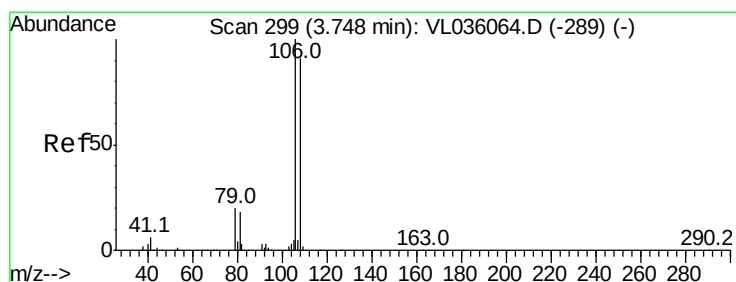
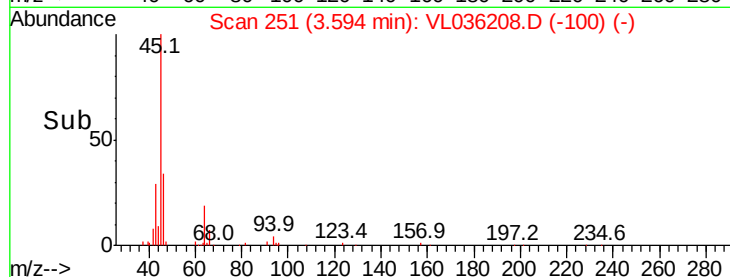
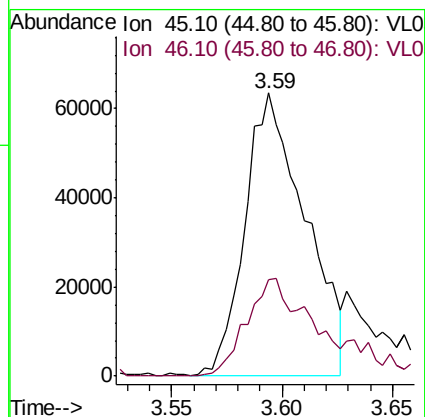
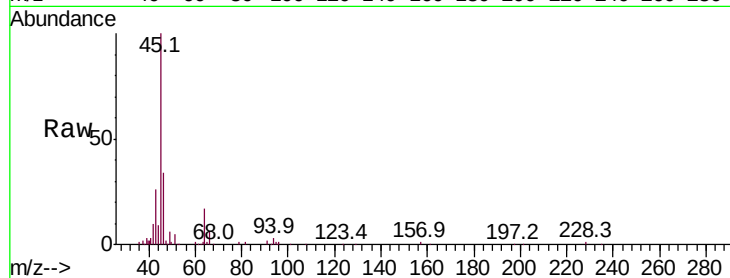
46 42.8 19.0 75.8

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#14

Bromoethene

Concen: 9.819 ppbv

RT: 3.73 min Scan# 292

Delta R.T. -0.02 min

Lab File: VL036208.D

Acq: 24 Dec 2020 8:02

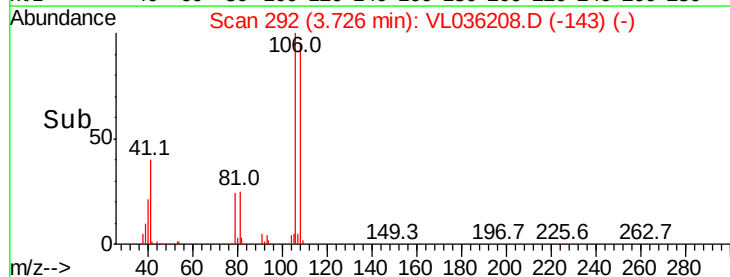
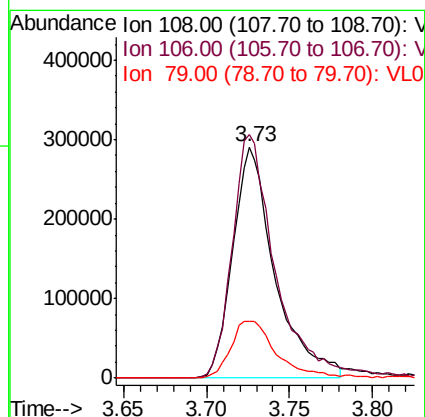
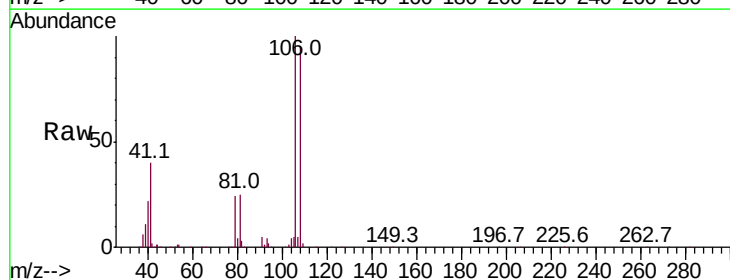
Tgt Ion: 108 Resp: 512152

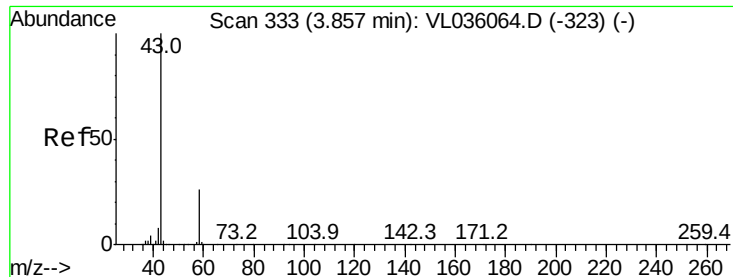
Ion Ratio Lower Upper

108 100

106 110.9 91.0 136.4

79 27.2 19.3 28.9





#15

Acetone

Concen: 11.526 ppbv

RT: 3.84 min Scan# 327

Delta R.T. -0.02 min

Lab File: VL036208.D

Acq: 24 Dec 2020 8:02

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 43 Resp: 1892787

Ion Ratio Lower Upper

43 100

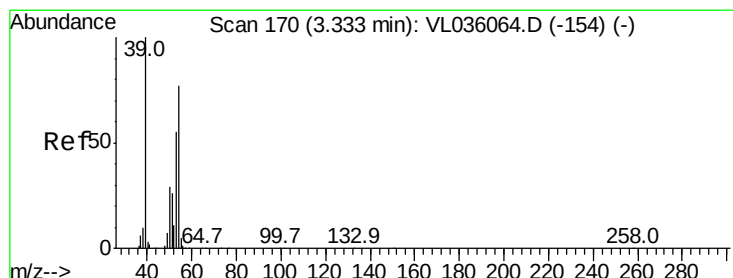
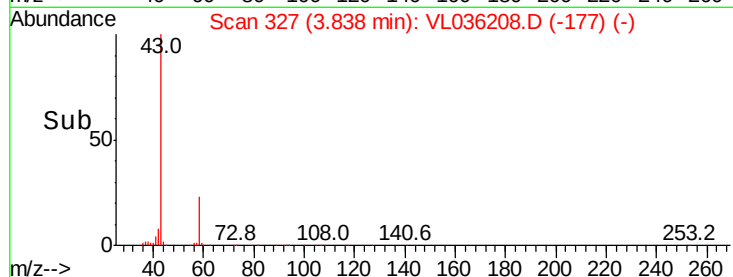
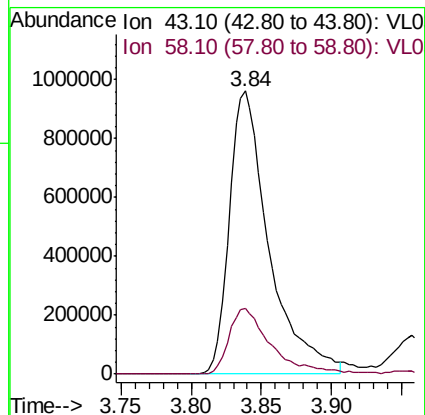
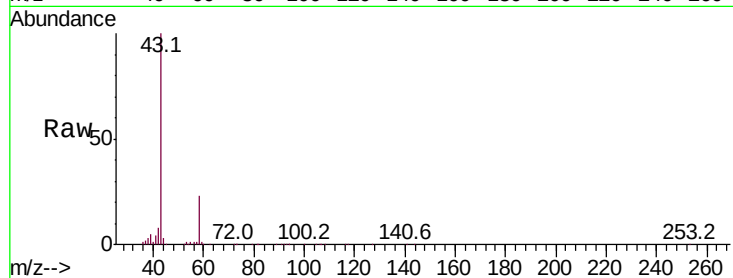
58 24.8 20.9 31.3

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#16

1,3-Butadiene

Concen: 9.847 ppbv

RT: 3.31 min Scan# 164

Delta R.T. -0.02 min

Lab File: VL036208.D

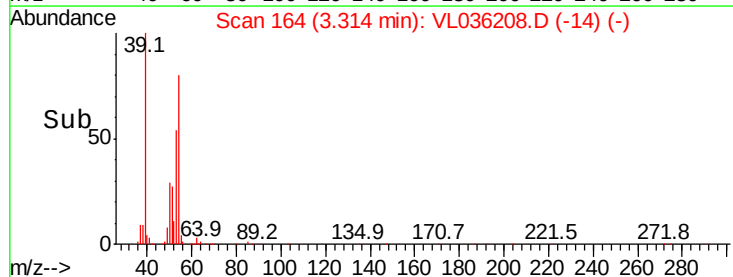
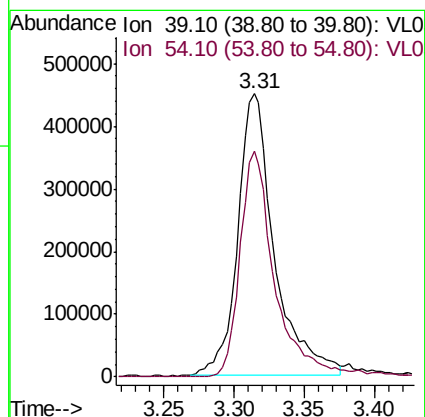
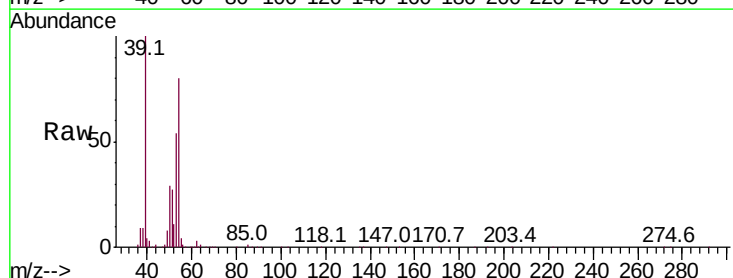
Acq: 24 Dec 2020 8:02

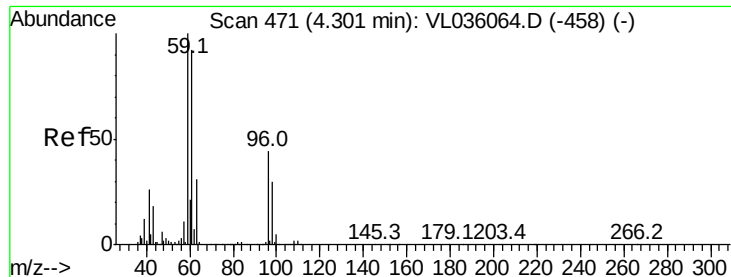
Tgt Ion: 39 Resp: 814457

Ion Ratio Lower Upper

39 100

54 77.9 62.1 93.1





#17

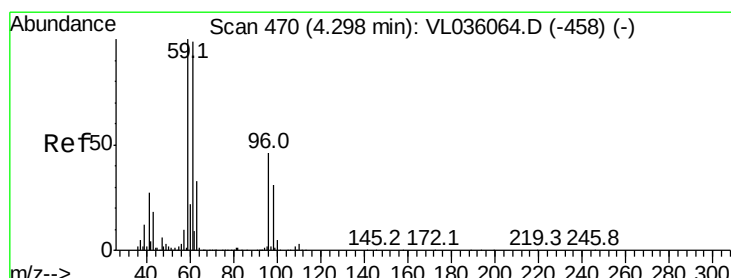
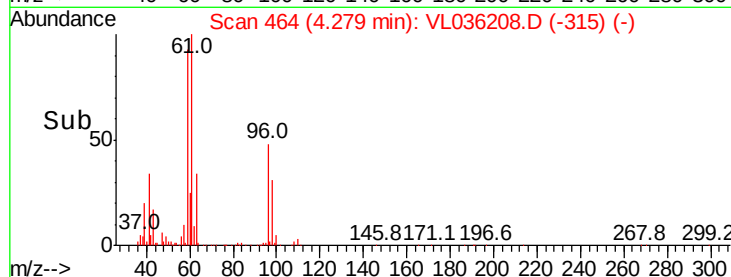
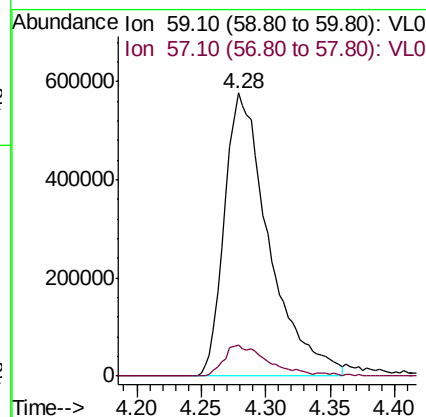
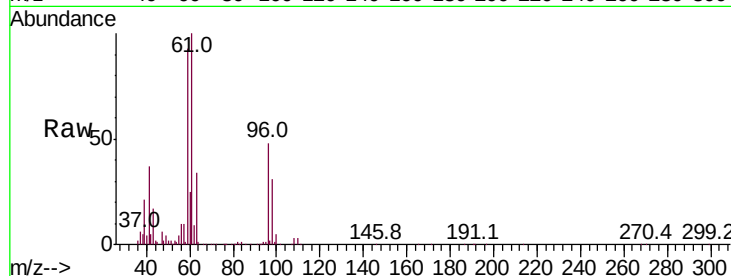
tert-Butyl alcohol
Concen: 8.708 ppbv
RT: 4.28 min Scan# 464
Delta R.T. -0.02 min
Lab File: VL036208.D
Acq: 24 Dec 2020 8:02

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 59 Resp: 1385133
Ion Ratio Lower Upper
59 100
57 11.4 8.7 13.1

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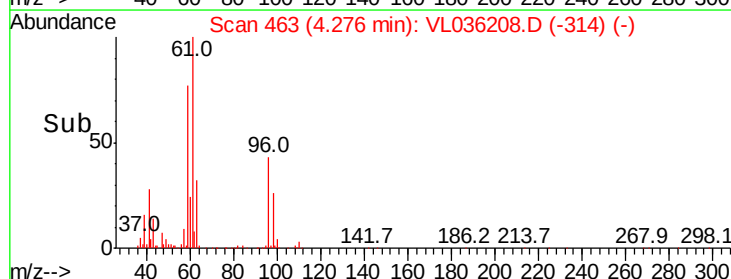
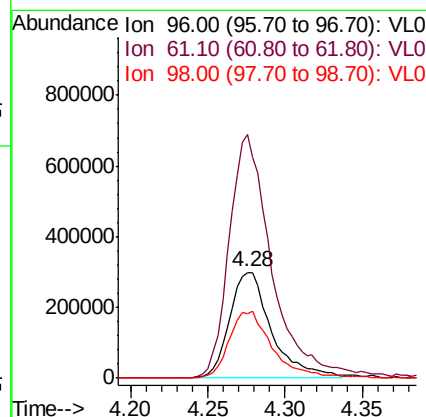
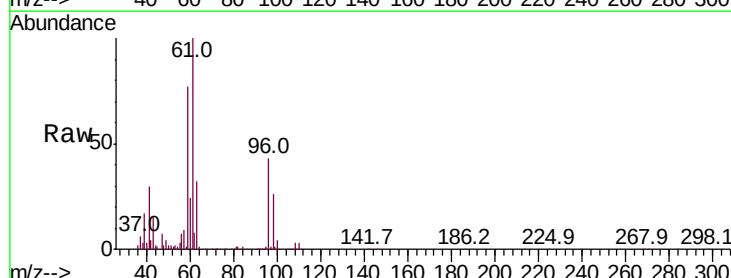
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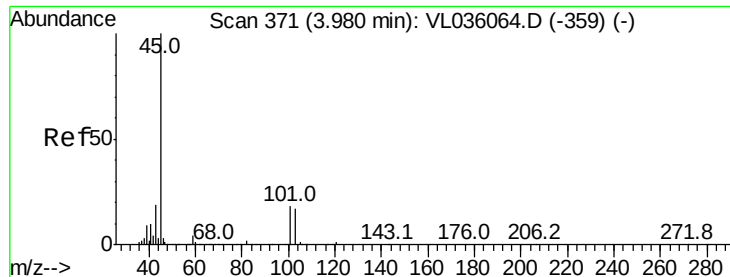


#18

1,1-Dichloroethene
Concen: 9.953 ppbv
RT: 4.28 min Scan# 463
Delta R.T. -0.02 min
Lab File: VL036208.D
Acq: 24 Dec 2020 8:02

Tgt Ion: 96 Resp: 561869
Ion Ratio Lower Upper
96 100
61 229.7 171.4 257.2
98 60.5 54.2 81.2





#19

Isopropyl Alcohol

Concen: 9.830 ppbv

RT: 3.96 min Scan# 364

Delta R.T. -0.02 min

Lab File: VL036208.D

Acq: 24 Dec 2020 8:02

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 45 Resp: 986643

Ion Ratio Lower Upper

45 100

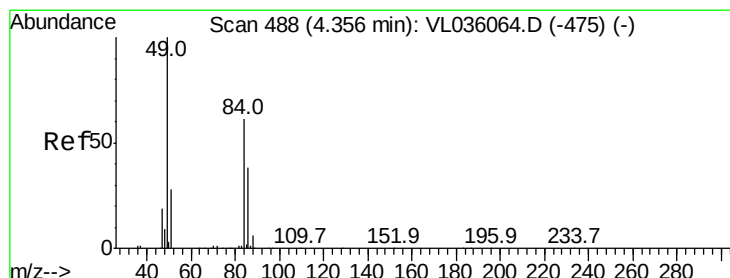
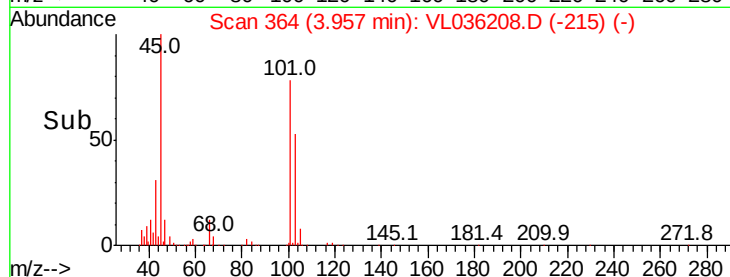
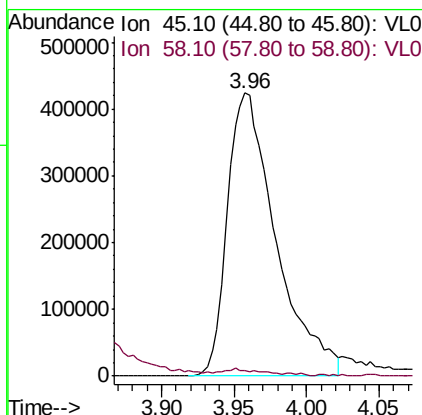
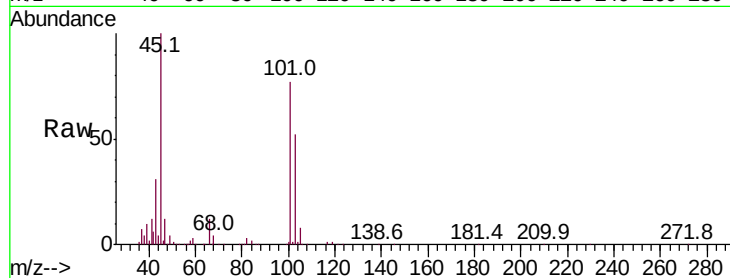
58 2.2 0.0 0.0#

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#20

Methylene Chloride

Concen: 7.640 ppbv

RT: 4.33 min Scan# 480

Delta R.T. -0.03 min

Lab File: VL036208.D

Acq: 24 Dec 2020 8:02

Tgt Ion: 84 Resp: 514135

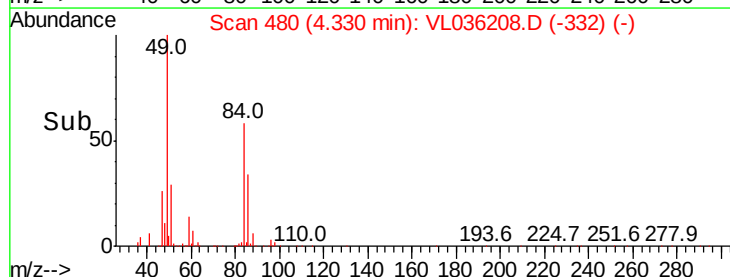
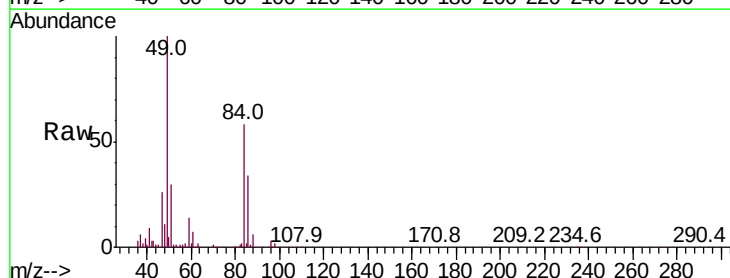
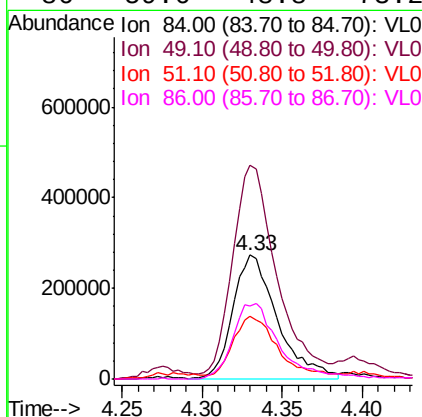
Ion Ratio Lower Upper

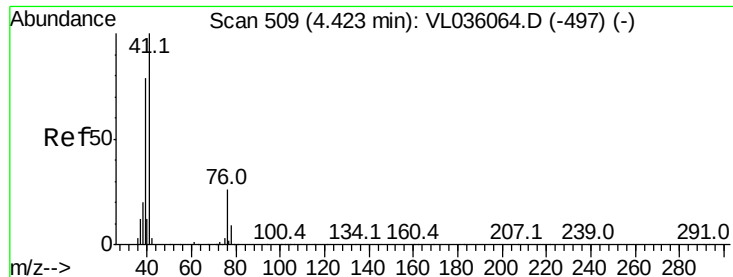
84 100

49 168.6 133.0 199.4

51 48.4 38.9 58.3

86 59.6 48.8 73.2





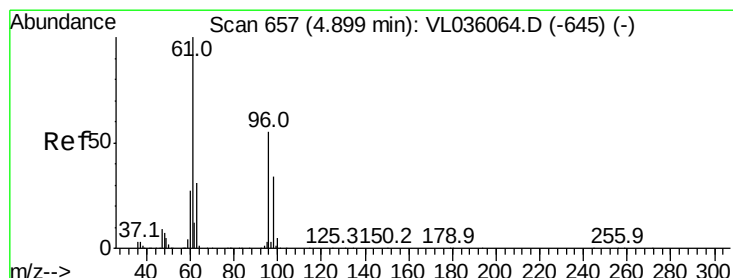
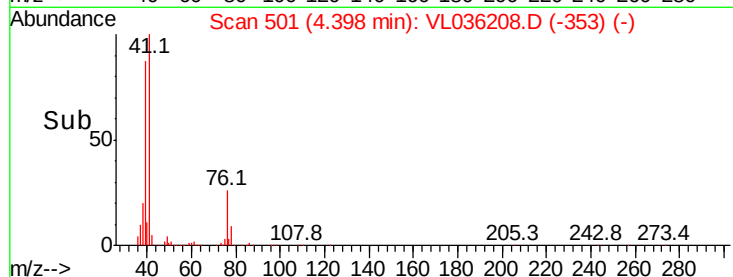
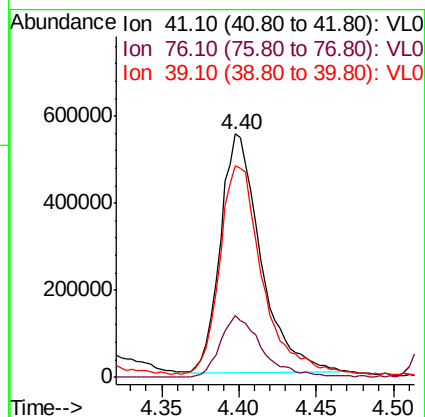
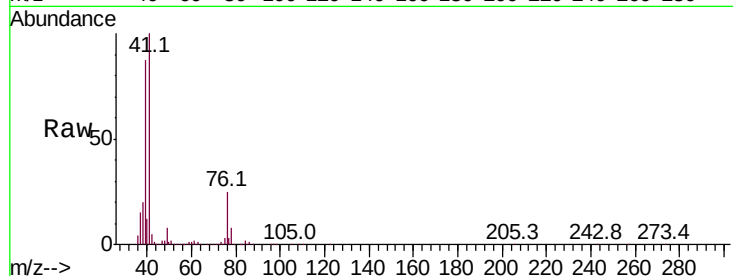
#21
Allvl Chloride
Concen: 9.173 ppbv
RT: 4.40 min Scan# 501
Delta R.T. -0.03 min
Lab File: VL036208.D
Acq: 24 Dec 2020 8:02

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 41 Resp: 1001632
Ion Ratio Lower Upper
41 100
76 26.9 21.0 31.4
39 94.2 66.0 99.0

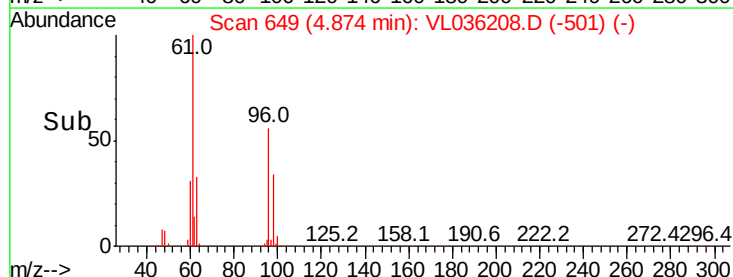
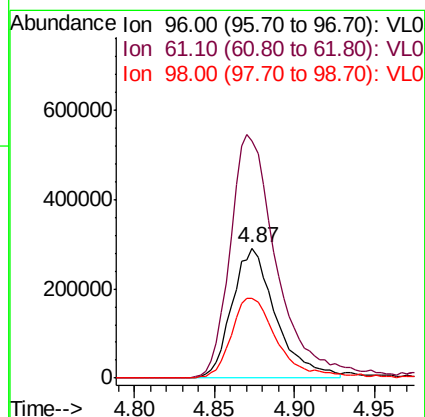
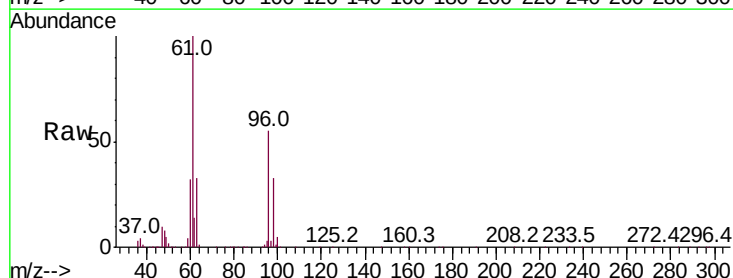
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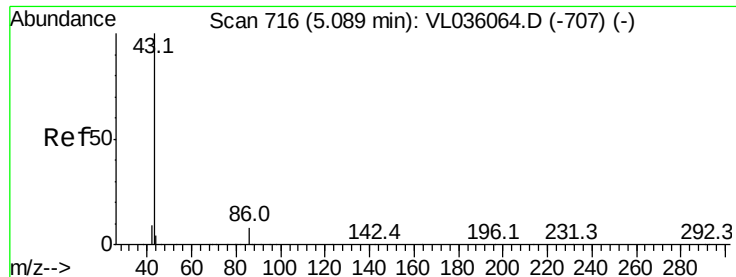
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#22
trans-1,2-Dichloroethene
Concen: 9.644 ppbv
RT: 4.87 min Scan# 649
Delta R.T. -0.03 min
Lab File: VL036208.D
Acq: 24 Dec 2020 8:02

Tgt Ion: 96 Resp: 545046
Ion Ratio Lower Upper
96 100
61 182.3 145.7 218.5
98 60.9 49.2 73.8





#23

Vinyl Acetate

Concen: 10.314 ppbv

RT: 5.06 min Scan# 708

Delta R.T. -0.03 min

Lab File: VL036208.D

Acq: 24 Dec 2020 8:02

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

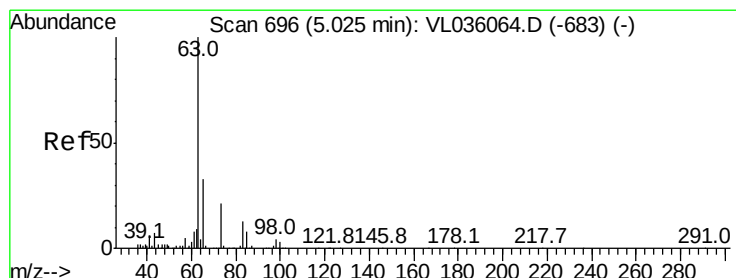
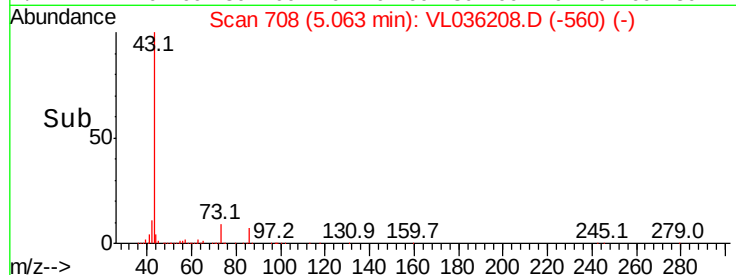
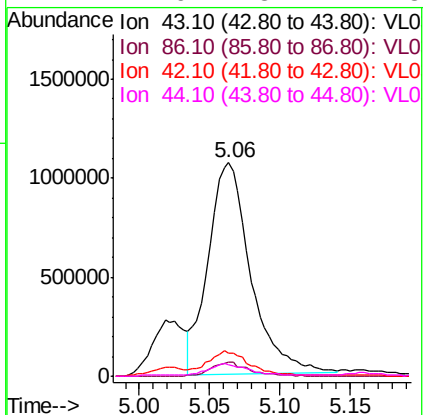
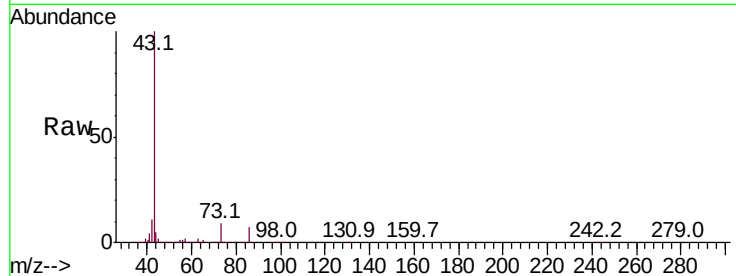
Tot Ion: 43 Resp: 2255013

Ion Ratio Lower Upper

43	100		
86	6.8	5.0	7.4
42	10.7	7.8	11.6
44	4.9	3.2	4.8#

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#24

1,1-Dichloroethane

Concen: 9.760 ppbv

RT: 5.00 min Scan# 688

Delta R.T. -0.03 min

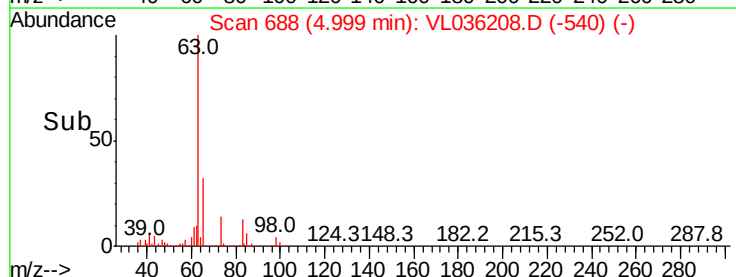
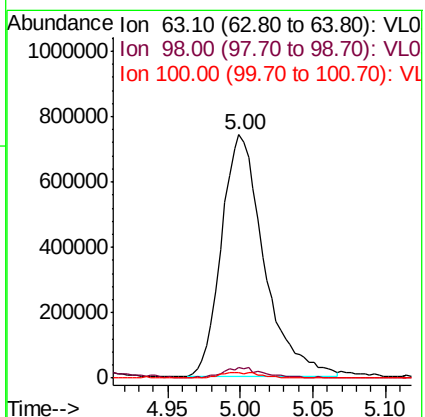
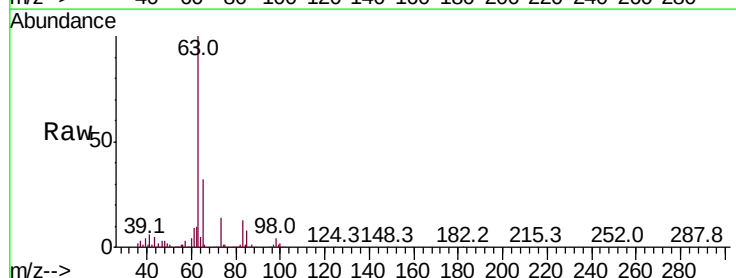
Lab File: VL036208.D

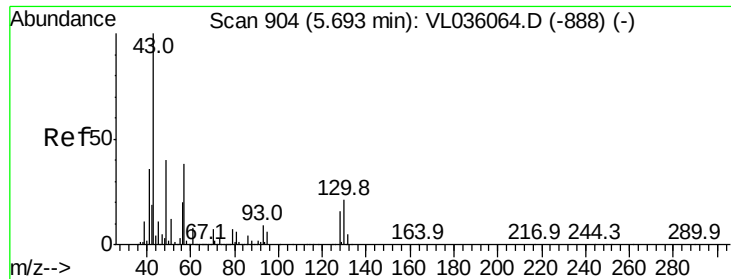
Acq: 24 Dec 2020 8:02

Tgt Ion: 63 Resp: 1500852

Ion Ratio Lower Upper

63	100		
98	3.9	2.2	6.6
100	2.5	1.5	4.4





#25

Ethyl Acetate

Concen: 9.894 ppbv

RT: 5.67 min Scan# 896

Delta R.T. -0.03 min

Lab File: VL036208.D

Acq: 24 Dec 2020 8:02

Instrument :

MSVOA_L

ClientSampleID :

VSTDCCC010EC

Tot Ion: 43 Resp: 3245975

Ion Ratio Lower Upper

43 100

45 10.3 8.2 12.4

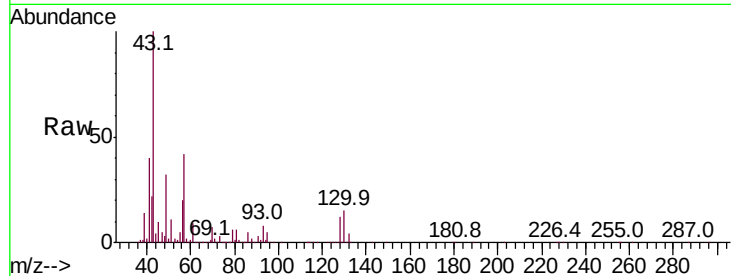
61 9.2 7.4 11.2

70 6.6 5.4 8.0

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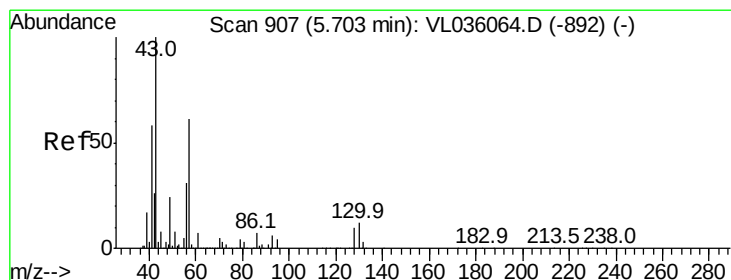
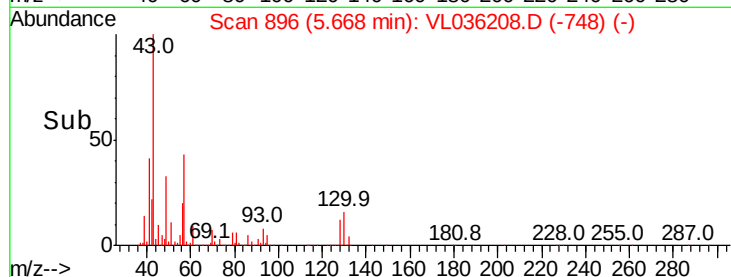
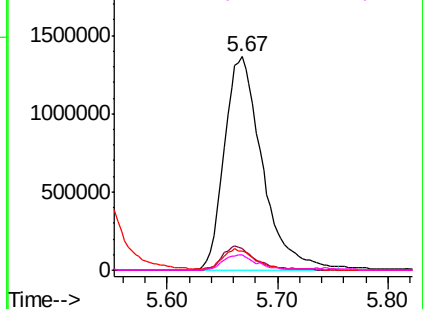


Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 45.10 (44.80 to 45.80): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 70.10 (69.80 to 70.80): VL0



#26

Hexane

Concen: 8.932 ppbv

RT: 5.68 min Scan# 899

Delta R.T. -0.03 min

Lab File: VL036208.D

Acq: 24 Dec 2020 8:02

Tgt Ion: 57 Resp: 1318750

Ion Ratio Lower Upper

57 100

41 106.2 82.9 124.3

43 250.1 199.9 299.9

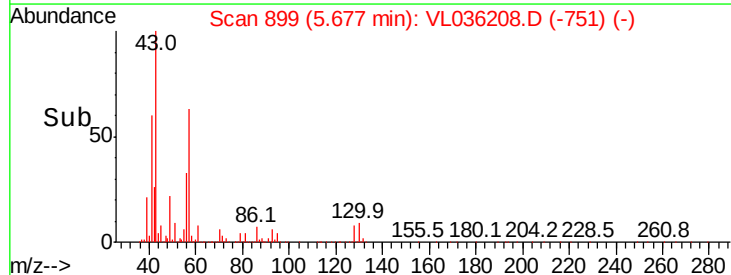
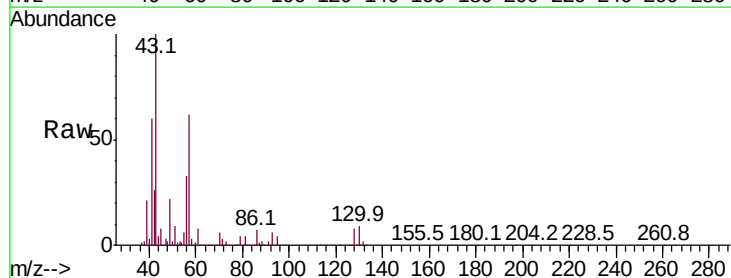
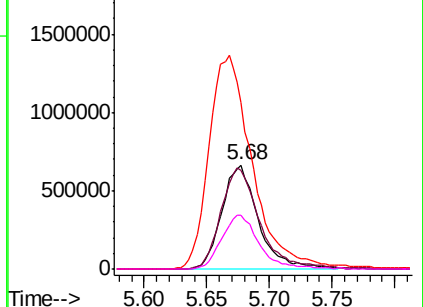
56 54.8 43.1 64.7

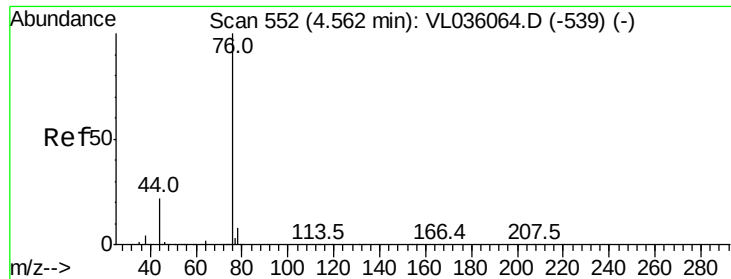
Abundance Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 56.10 (55.80 to 56.80): VL0





#27

Carbon Disulfide

Concen: 9.660 ppbv

RT: 4.54 min Scan# 544

Delta R.T. -0.03 min

Lab File: VL036208.D

Acq: 24 Dec 2020 8:02

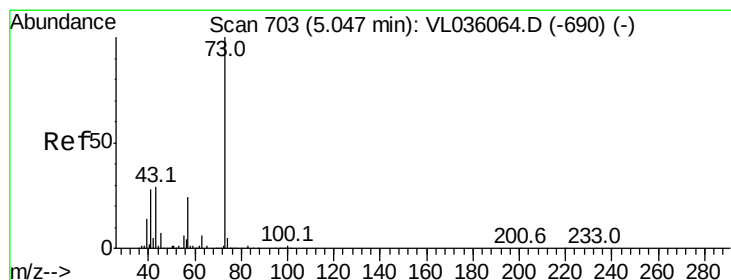
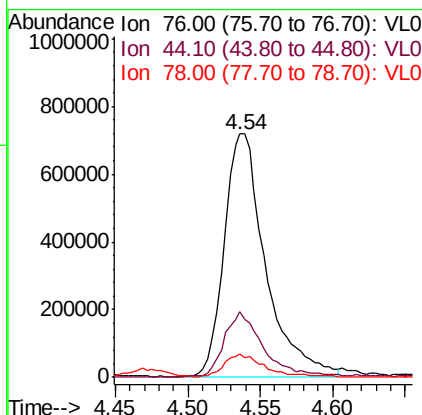
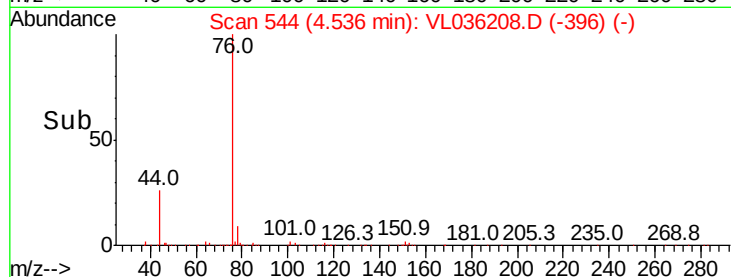
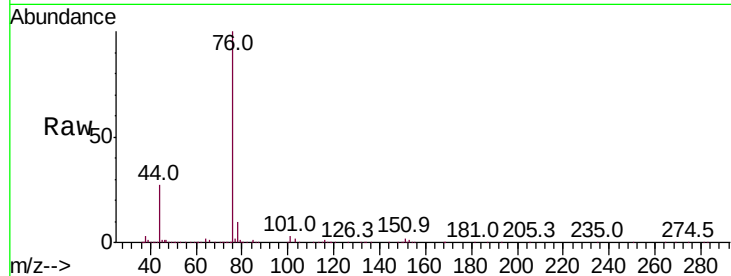
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 76 Resp: 1417486

Ion	Ratio	Lower	Upper
76	100		
44	26.3	17.9	26.9
78	9.7	7.8	11.8

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#28

Methyl tert-Butyl Ether

Concen: 9.164 ppbv

RT: 5.02 min Scan# 695

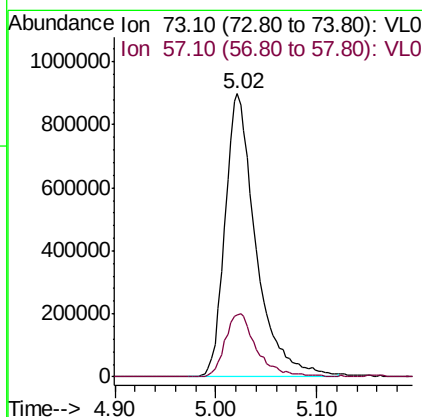
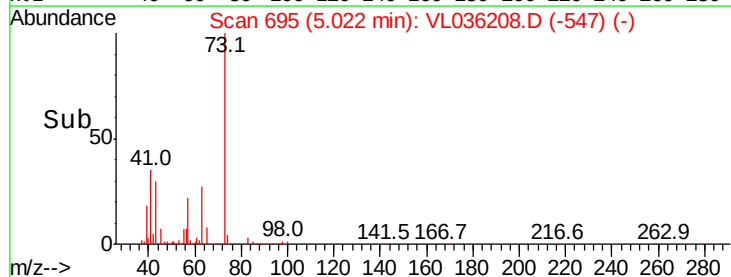
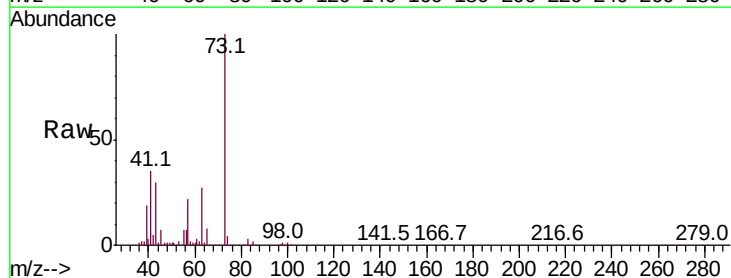
Delta R.T. -0.03 min

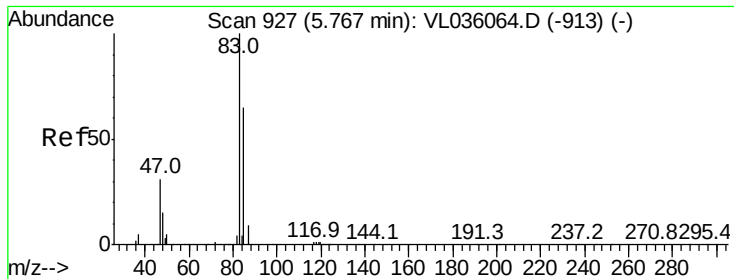
Lab File: VL036208.D

Acq: 24 Dec 2020 8:02

Tgt Ion: 73 Resp: 1923544

Ion	Ratio	Lower	Upper
73	100		
57	22.9	19.2	28.8





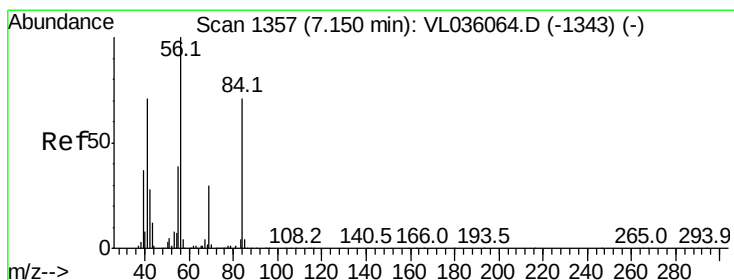
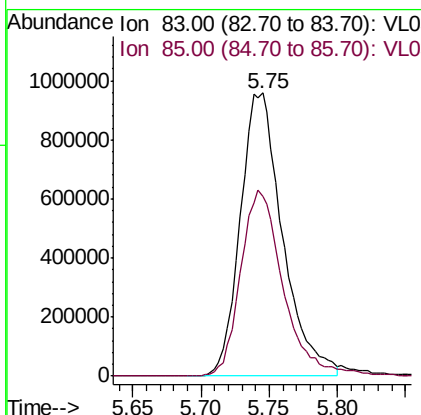
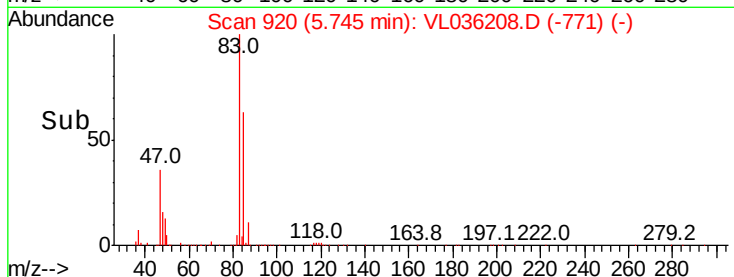
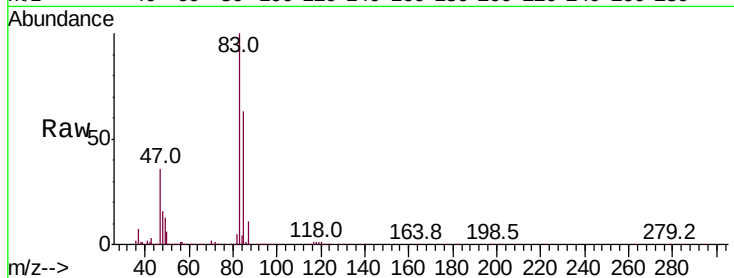
#29
Chloroform
Concen: 10.665 ppbv
RT: 5.75 min Scan# 920
Delta R.T. -0.02 min
Lab File: VL036208.D
Acq: 24 Dec 2020 8:02

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 83 Resp: 2067821
Ion Ratio Lower Upper
83 100
85 63.1 51.8 77.6

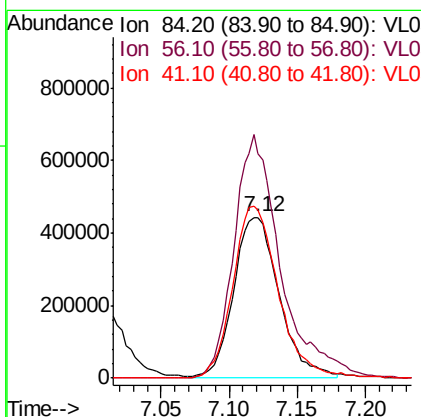
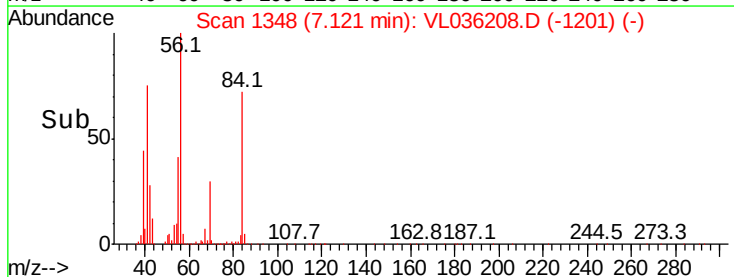
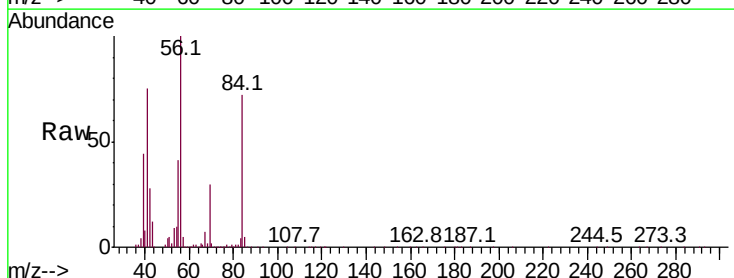
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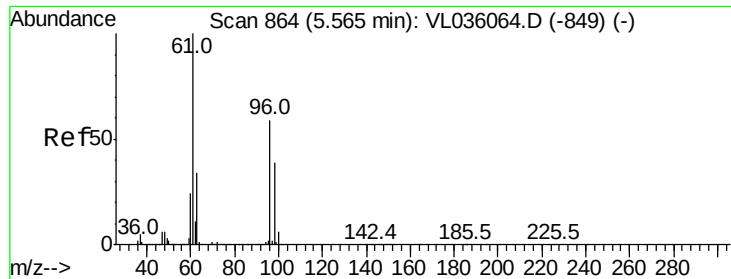
MMDadoda
12/26/2020 1:36:58 PM



#30
Cyclohexane
Concen: 9.402 ppbv
RT: 7.12 min Scan# 1348
Delta R.T. -0.03 min
Lab File: VL036208.D
Acq: 24 Dec 2020 8:02

Tgt Ion: 84 Resp: 1019697
Ion Ratio Lower Upper
84 100
56 156.8 128.0 192.0
41 109.3 81.3 121.9





#31

cis-1,2-Dichloroethene

Concen: 10.569 ppbv

RT: 5.54 min Scan# 856

Delta R.T. -0.03 min

Lab File: VL036208.D

Acq: 24 Dec 2020 8:02

Instrument :
MSVOA_L

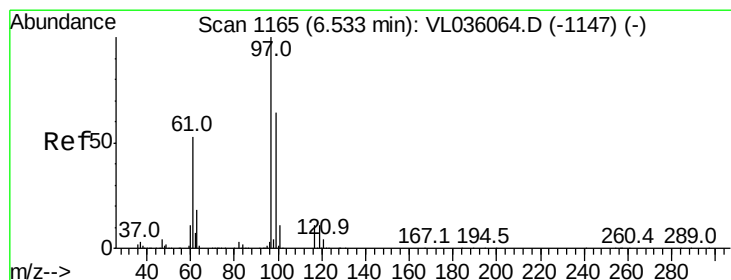
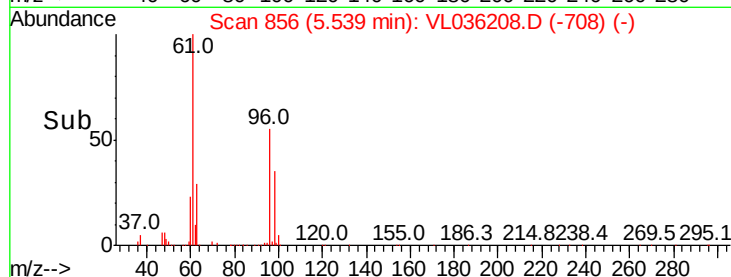
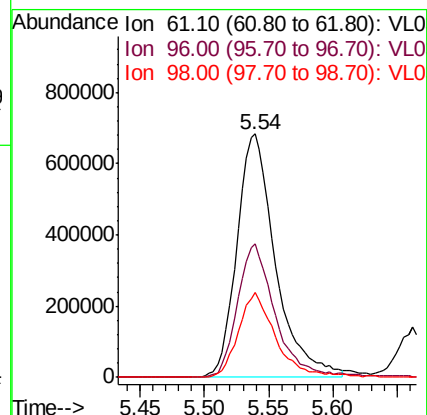
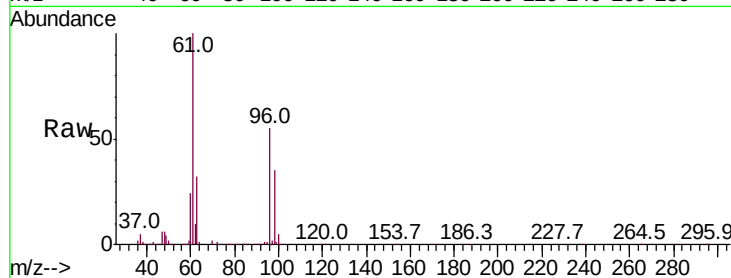
ClientSampleId :
VSTDCCC010EC

Tot Ion: 61 Resp: 1418507

Ion	Ratio	Lower	Upper
61	100		
96	54.8	47.3	70.9
98	34.6	31.4	47.0

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#32

1,1,1-Trichloroethane

Concen: 10.273 ppbv

RT: 6.50 min Scan# 1155

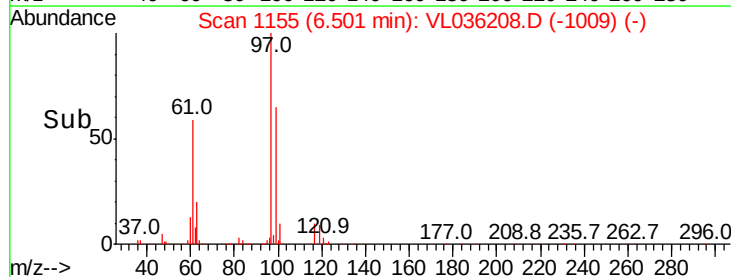
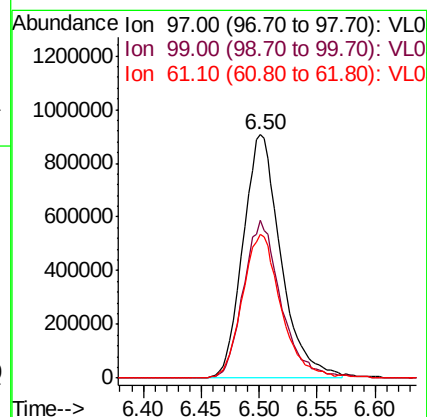
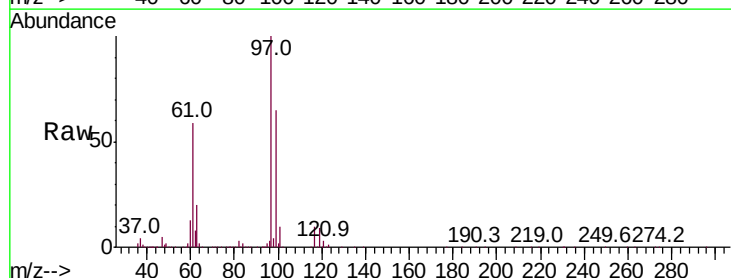
Delta R.T. -0.03 min

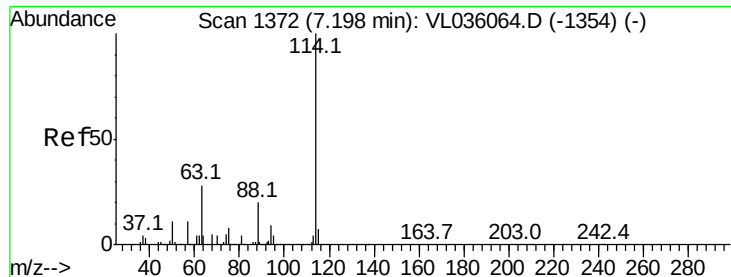
Lab File: VL036208.D

Acq: 24 Dec 2020 8:02

Tgt Ion: 97 Resp: 2055379

Ion	Ratio	Lower	Upper
97	100		
99	64.6	52.4	78.6
61	60.9	43.4	65.0





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.17 min Scan# 1363

Delta R.T. -0.03 min

Lab File: VL036208.D

Acq: 24 Dec 2020 8:02

Instrument :
MSVOA_L

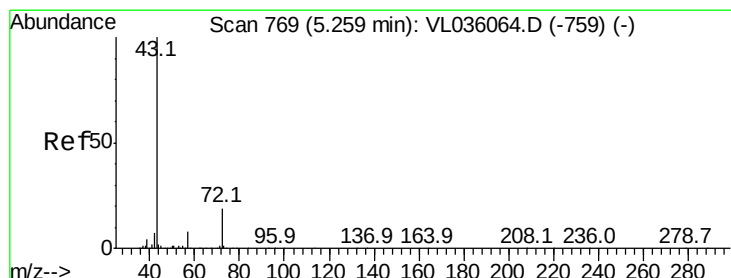
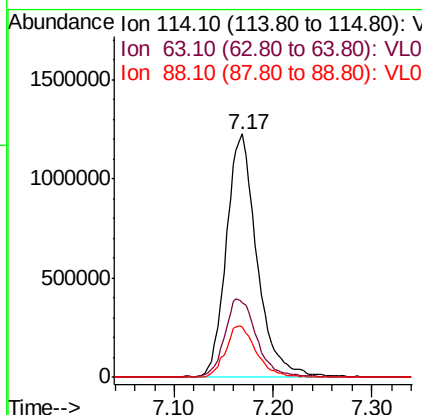
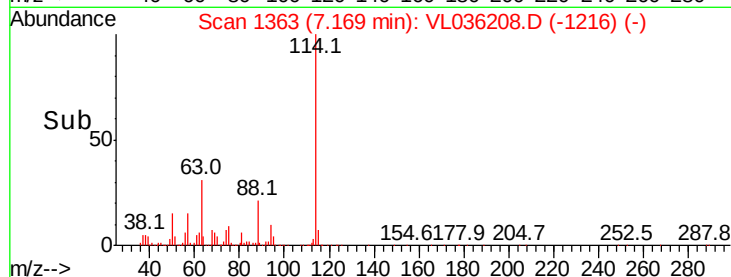
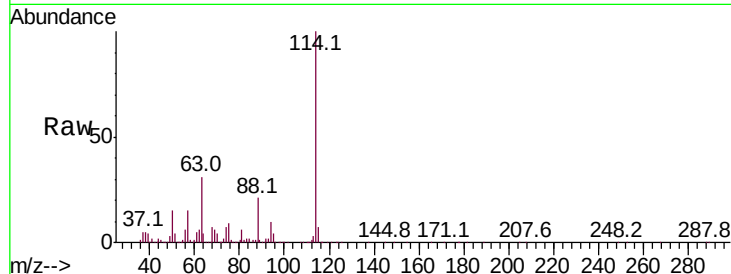
ClientSampleId :
VSTDCCC010EC

Tot Ion:114 Resp: 2669723

Ion	Ratio	Lower	Upper
114	100		
63	34.4	23.6	35.4
88	21.4	15.8	23.6

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#34

2-Butanone

Concen: 11.597 ppbv

RT: 5.23 min Scan# 761

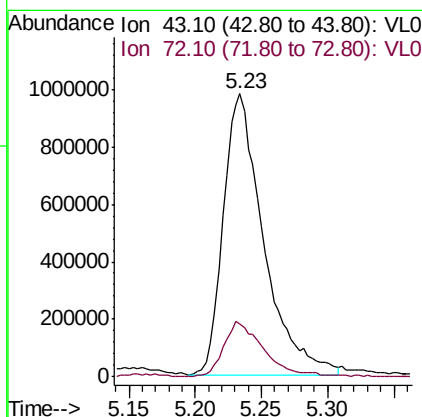
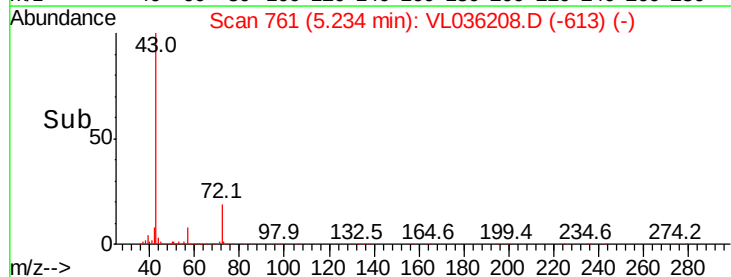
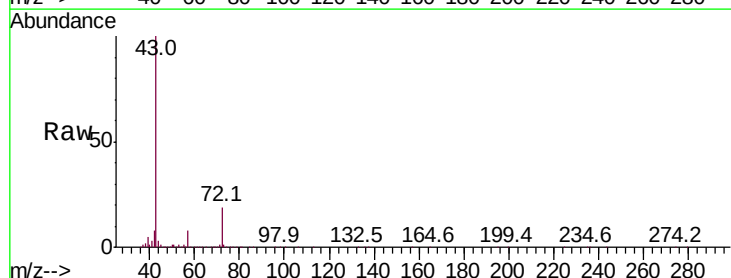
Delta R.T. -0.03 min

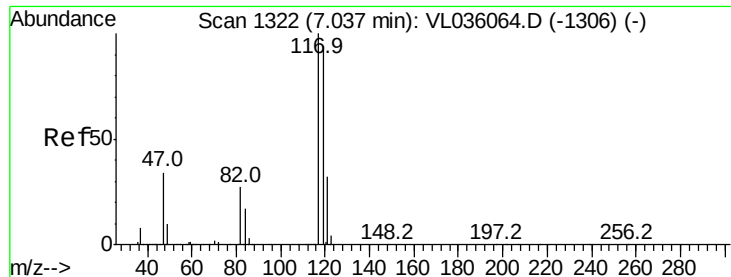
Lab File: VL036208.D

Acq: 24 Dec 2020 8:02

Tgt Ion: 43 Resp: 2053668

Ion	Ratio	Lower	Upper
43	100		
72	20.1	16.5	24.7





#35

Carbon Tetrachloride

Concen: 12.897 ppbv

RT: 7.01 min Scan# 1313

Delta R.T. -0.03 min

Lab File: VL036208.D

Acq: 24 Dec 2020 8:02

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:117 Resp: 2007877

Ion Ratio Lower Upper

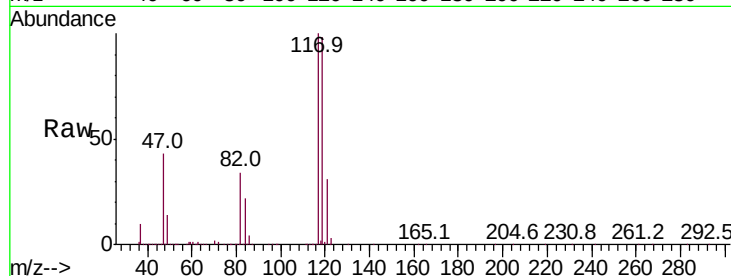
117 100

119 97.7 75.1 112.7

121 31.2 25.6 38.4

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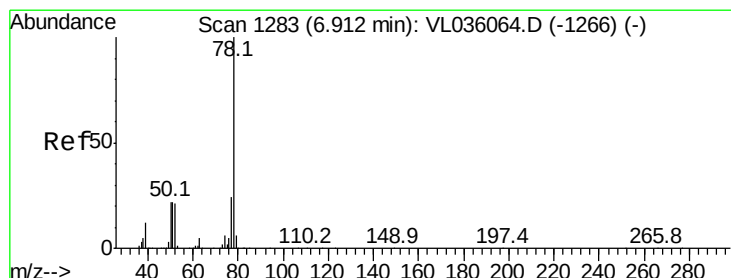
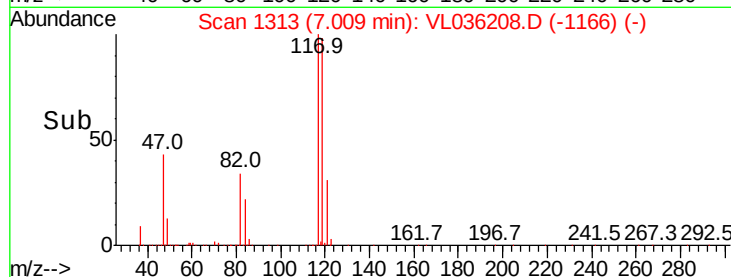
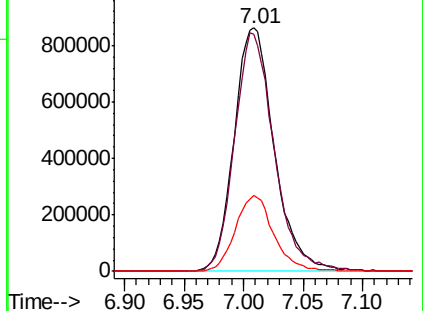
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Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#36

Benzene

Concen: 11.273 ppbv

RT: 6.88 min Scan# 1273

Delta R.T. -0.03 min

Lab File: VL036208.D

Acq: 24 Dec 2020 8:02

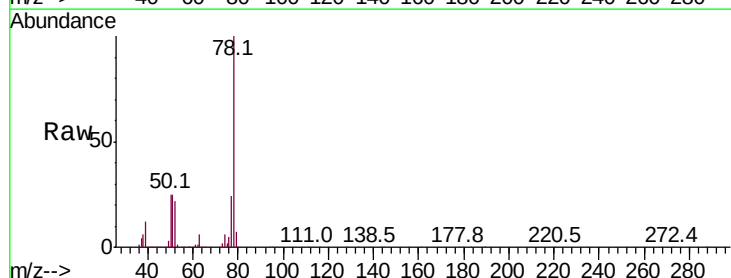
Tgt Ion: 78 Resp: 2550504

Ion Ratio Lower Upper

78 100

77 24.4 19.4 29.2

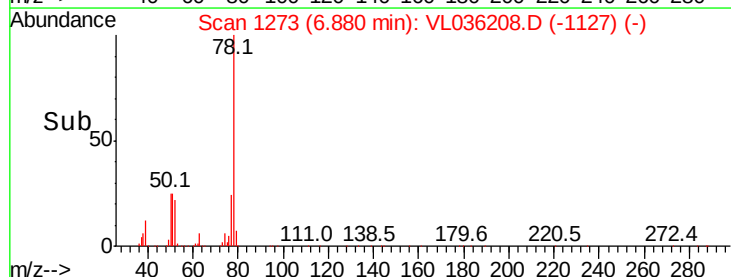
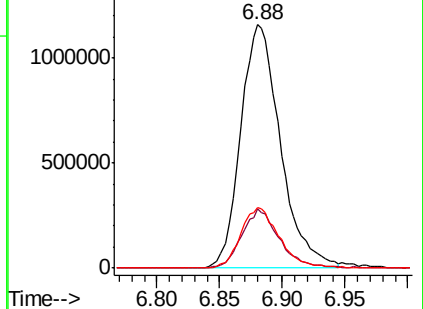
50 24.7 17.8 26.8

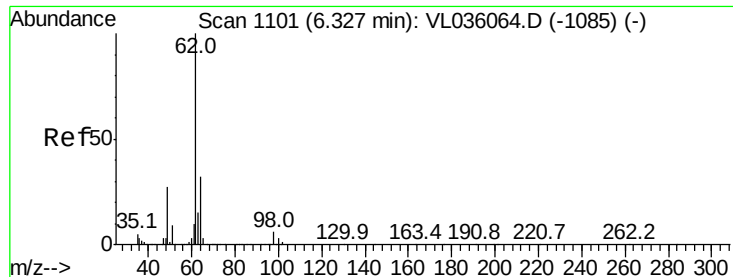


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0





#37

1,2-Dichloroethane

Concen: 14.098 ppbv

RT: 6.30 min Scan# 1092

Delta R.T. -0.03 min

Lab File: VL036208.D

Acq: 24 Dec 2020 8:02

Instrument :
MSVOA_L

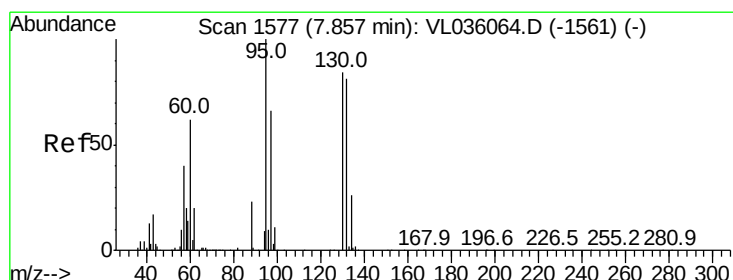
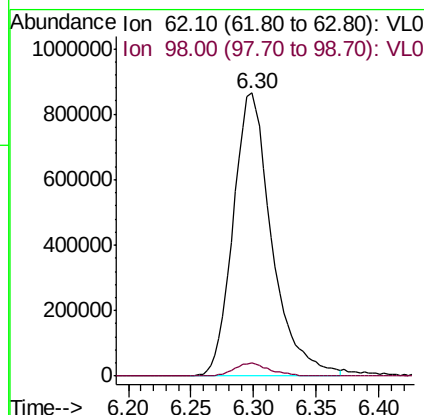
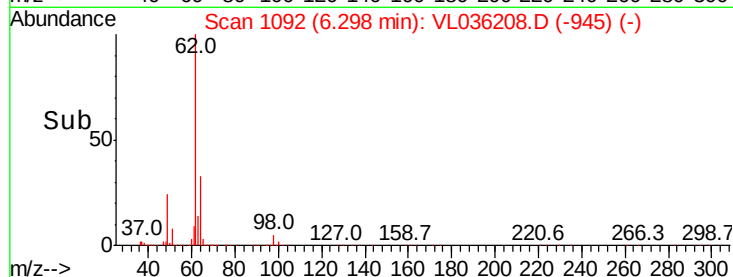
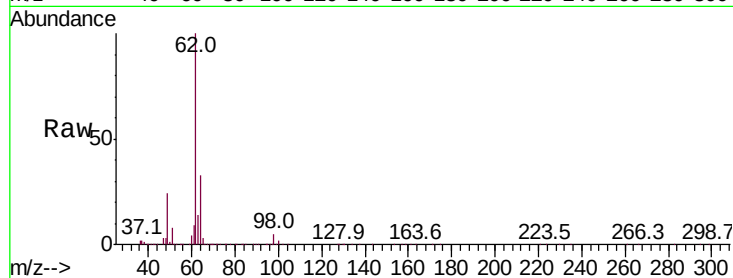
ClientSampleId :
VSTDCCC010EC

Tot Ion: 62 Resp: 1848277

Ion	Ratio	Lower	Upper
62	100		
98	4.4	4.6	7.0#

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#38

Trichloroethene

Concen: 9.407 ppbv

RT: 7.82 min Scan# 1566

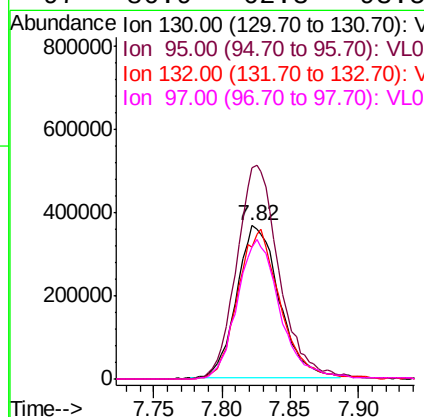
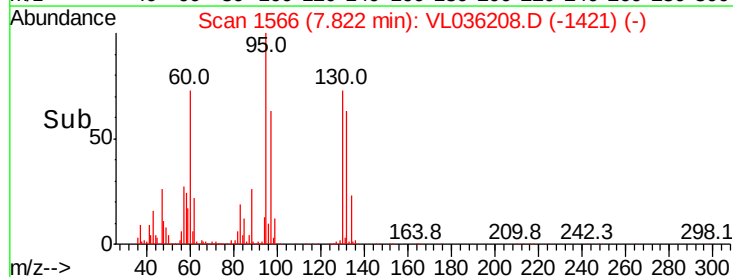
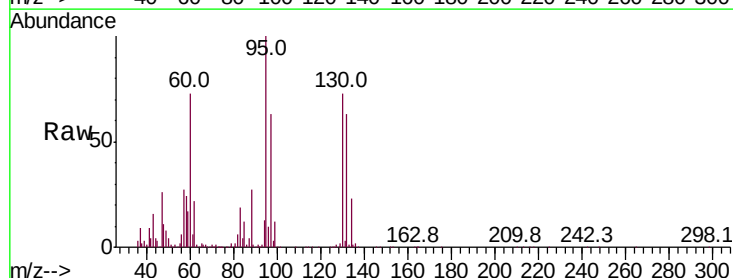
Delta R.T. -0.04 min

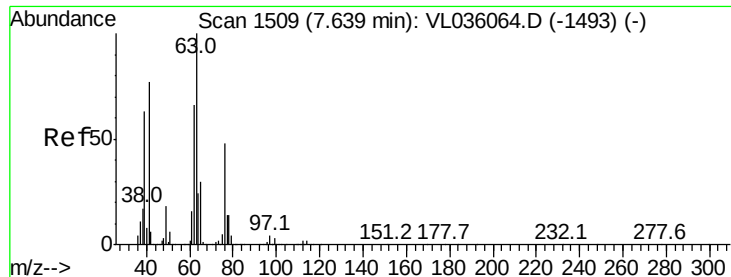
Lab File: VL036208.D

Acq: 24 Dec 2020 8:02

Tgt Ion: 130 Resp: 795642

Ion	Ratio	Lower	Upper
130	100		
95	138.3	95.2	142.8
132	86.5	76.9	115.3
97	86.9	62.3	93.5





#39

1,2-Dichloropropane

Concen: 12.166 ppbv

RT: 7.60 min Scan# 1498

Delta R.T. -0.04 min

Lab File: VL036208.D

Acq: 24 Dec 2020 8:02

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 63 Resp: 1087081

Ion Ratio Lower Upper

63 100

41 87.7 61.9 92.9

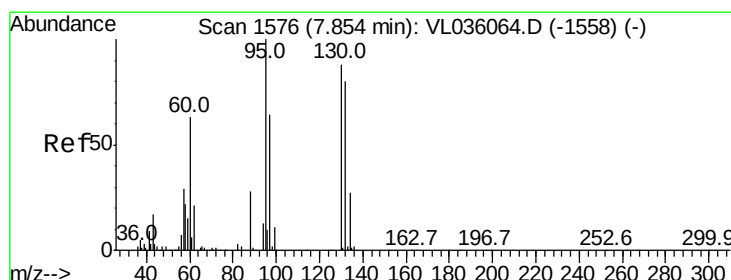
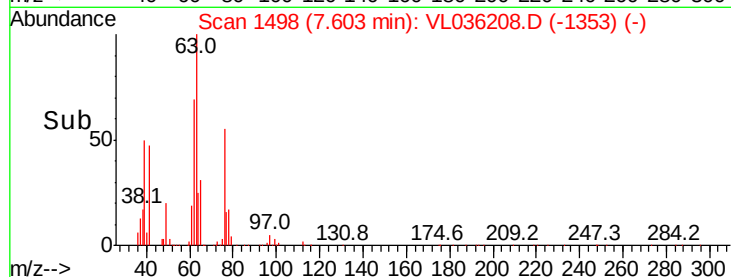
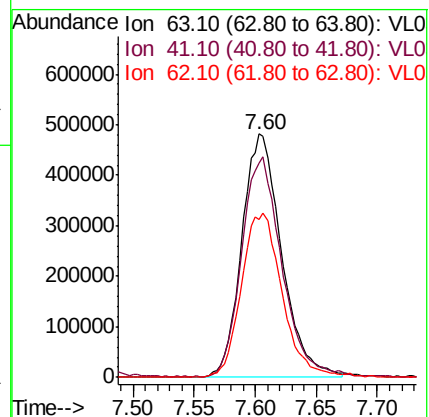
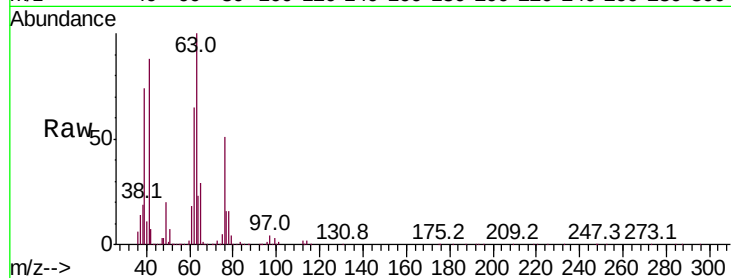
62 64.8 52.5 78.7

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#40

1,4-Dioxane

Concen: 11.464 ppbv

RT: 7.82 min Scan# 1565

Delta R.T. -0.04 min

Lab File: VL036208.D

Acq: 24 Dec 2020 8:02

Tgt Ion: 88 Resp: 322168

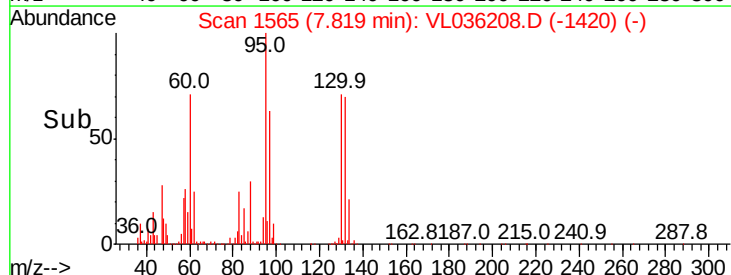
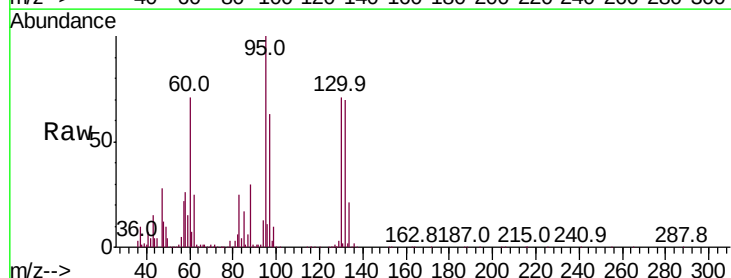
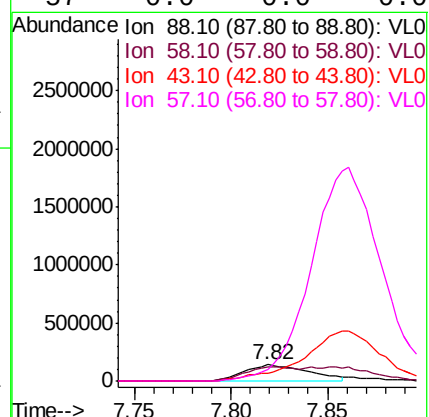
Ion Ratio Lower Upper

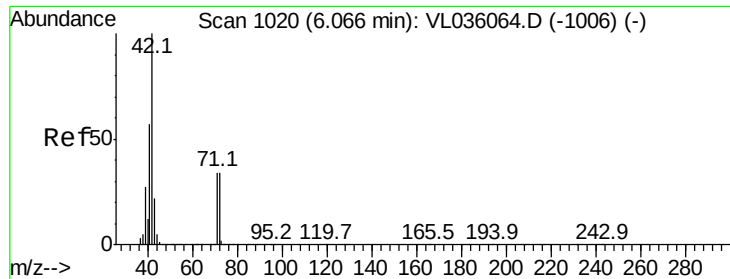
88 100

58 69.5 122.6 184.0#

43 0.0 0.0 0.0

57 0.0 0.0 0.0





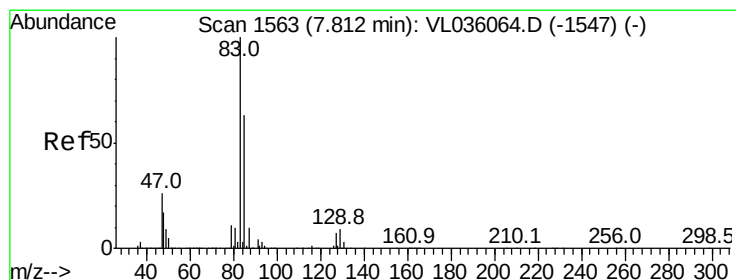
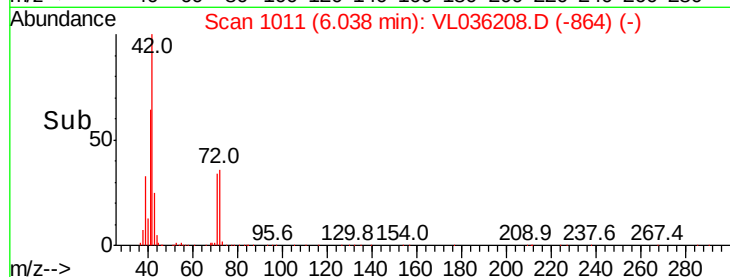
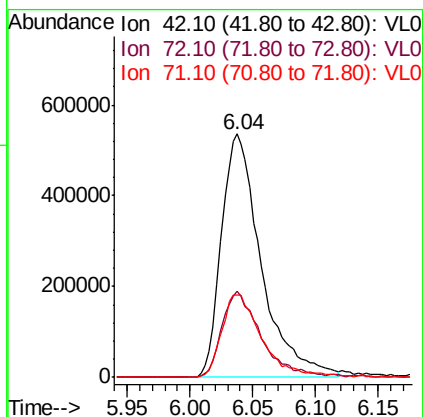
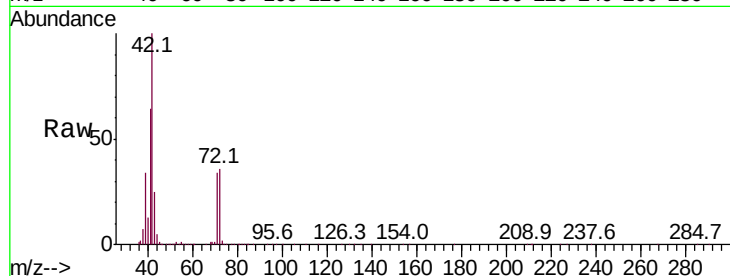
#41
Tetrahydrofuran
Concen: 11.144 ppbv
RT: 6.04 min Scan# 1011
Delta R.T. -0.03 min
Lab File: VL036208.D
Acq: 24 Dec 2020 8:02

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 42 Resp: 1172447
Ion Ratio Lower Upper
42 100
72 35.3 28.3 42.5
71 35.1 27.3 40.9

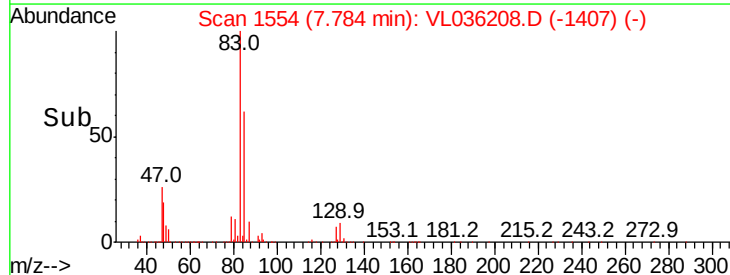
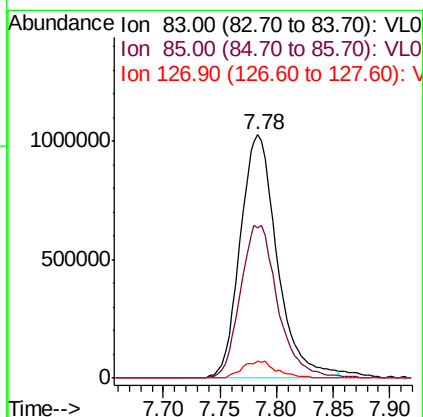
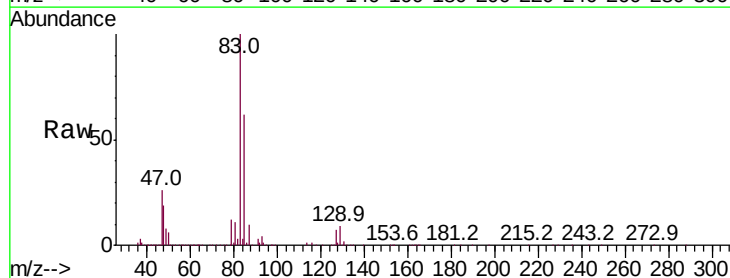
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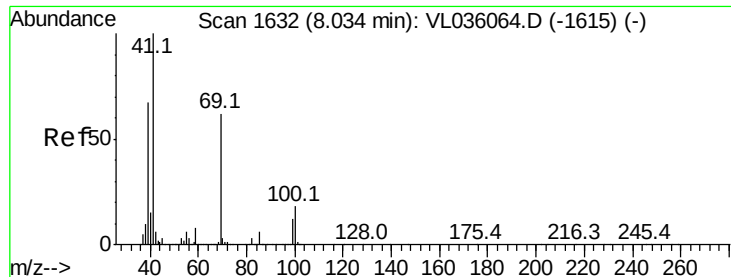
MMDadoda
12/26/2020 1:36:58 PM



#42
Bromodichloromethane
Concen: 13.414 ppbv
RT: 7.78 min Scan# 1554
Delta R.T. -0.03 min
Lab File: VL036208.D
Acq: 24 Dec 2020 8:02

Tgt Ion: 83 Resp: 2343482
Ion Ratio Lower Upper
83 100
85 61.9 50.2 75.2
127 6.9 5.5 8.3





#43

Methyl Methacrylate

Concen: 12.086 ppbv

RT: 8.01 min Scan# 1623

Delta R.T. -0.03 min

Lab File: VL036208.D

Acq: 24 Dec 2020 8:02

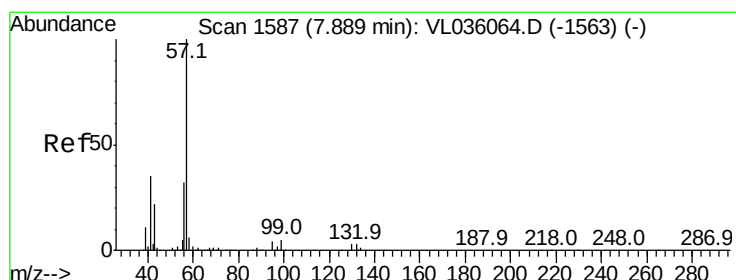
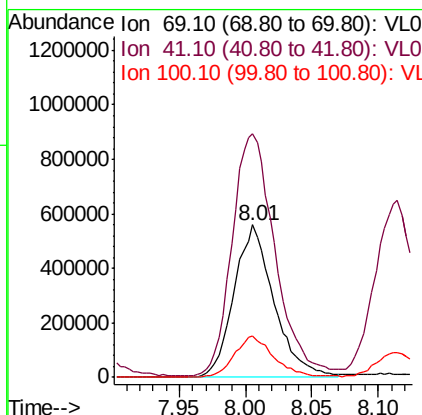
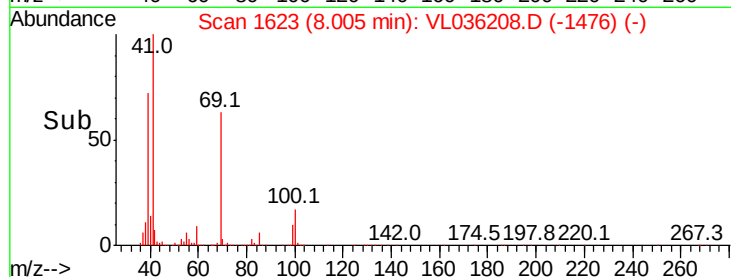
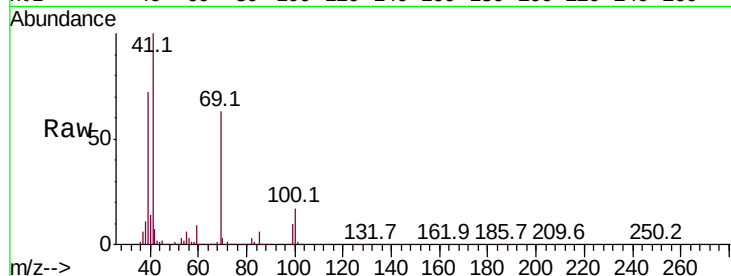
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 69 Resp: 1173143

Ion	Ratio	Lower	Upper
69	100		
41	174.1	133.0	199.6
100	27.1	25.4	38.0

Manual Integrations
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#44

2,2,4-Trimethylpentane

Concen: 11.427 ppbv

RT: 7.86 min Scan# 1578

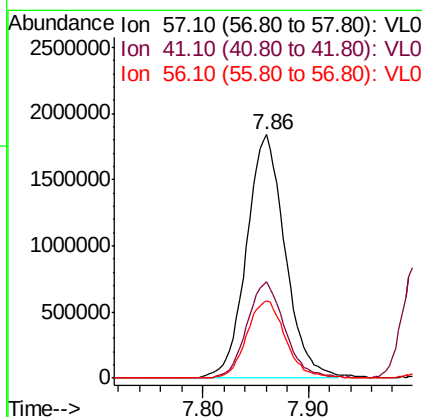
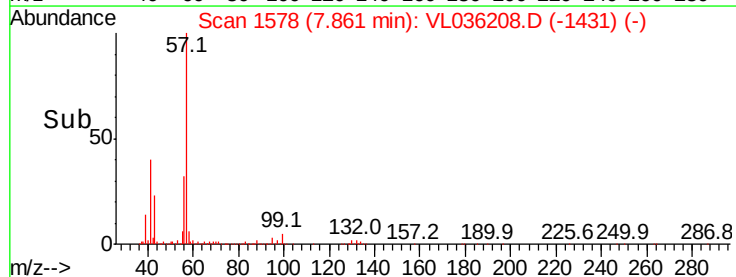
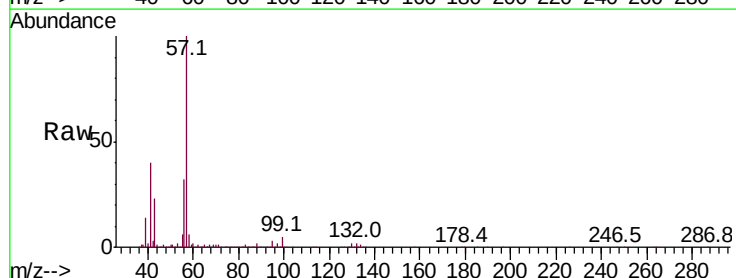
Delta R.T. -0.03 min

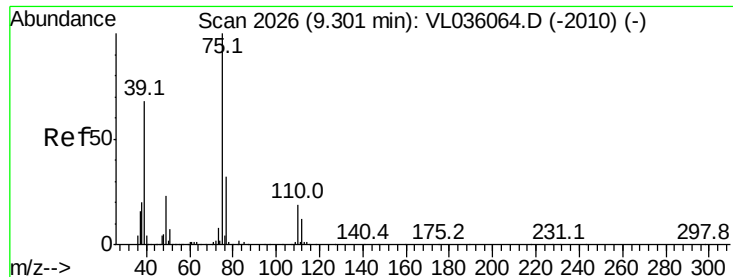
Lab File: VL036208.D

Acq: 24 Dec 2020 8:02

Tgt Ion: 57 Resp: 4681999

Ion	Ratio	Lower	Upper
57	100		
41	38.9	28.9	43.3
56	31.9	25.3	37.9





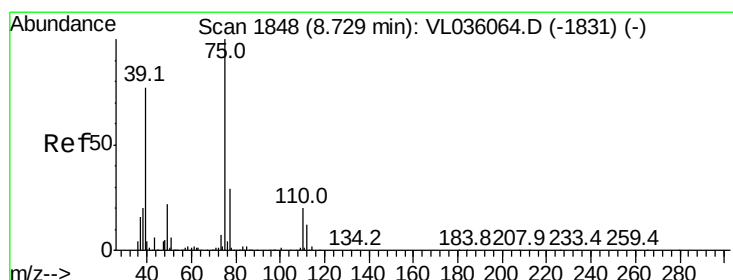
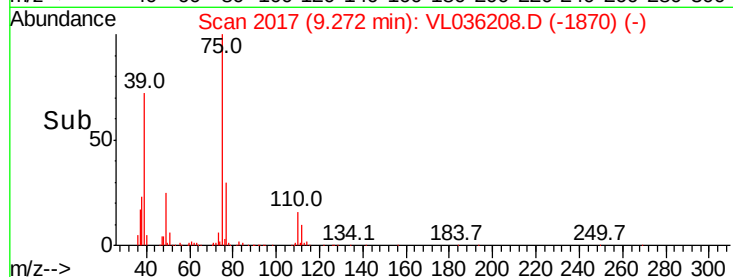
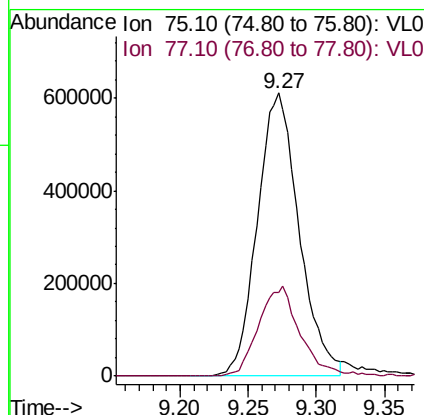
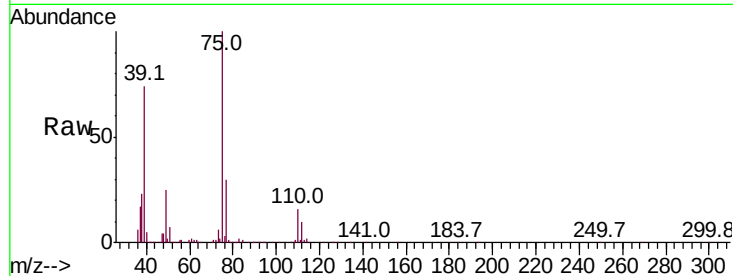
#45
 t-1,3-Dichloropropene
 Concen: 12.988 ppbv
 RT: 9.27 min Scan# 2017
 Delta R.T. -0.03 min
 Lab File: VL036208.D
 Acq: 24 Dec 2020 8:02

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion: 75 Resp: 1295169
 Ion Ratio Lower Upper
 75 100
 77 29.5 26.0 39.0

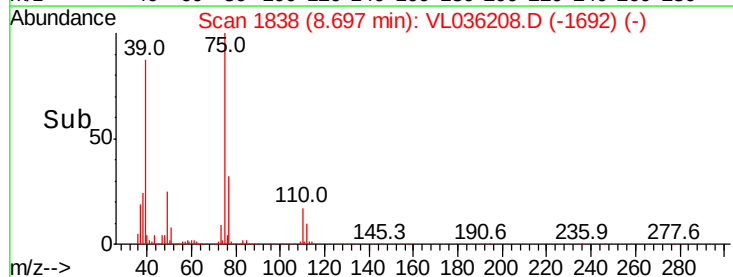
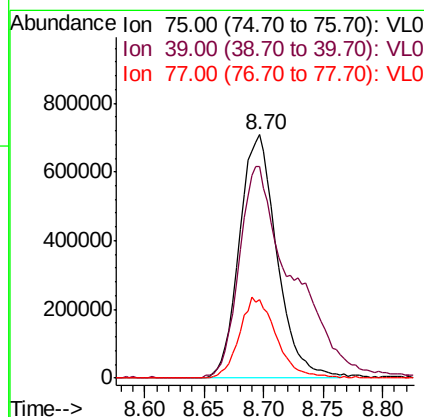
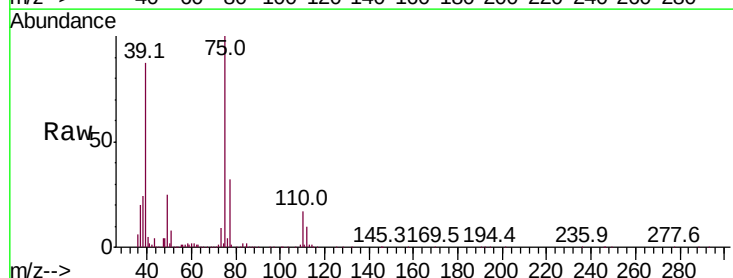
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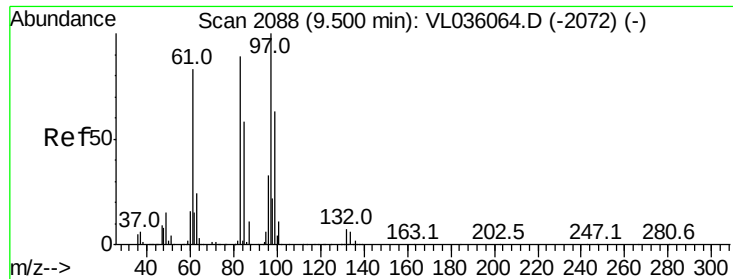
MMDadoda
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#46
 cis-1,3-Dichloropropene
 Concen: 12.404 ppbv
 RT: 8.70 min Scan# 1838
 Delta R.T. -0.03 min
 Lab File: VL036208.D
 Acq: 24 Dec 2020 8:02

Tgt Ion: 75 Resp: 1550302
 Ion Ratio Lower Upper
 75 100
 39 86.7 61.6 92.4
 77 32.4 23.0 34.6





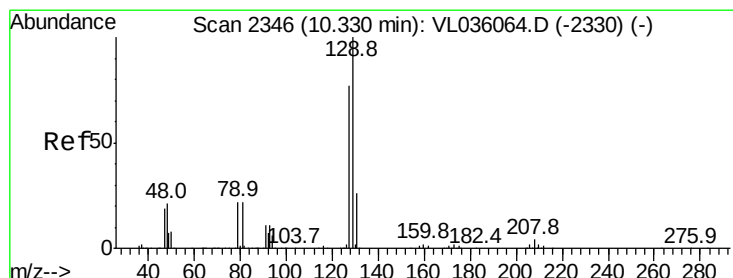
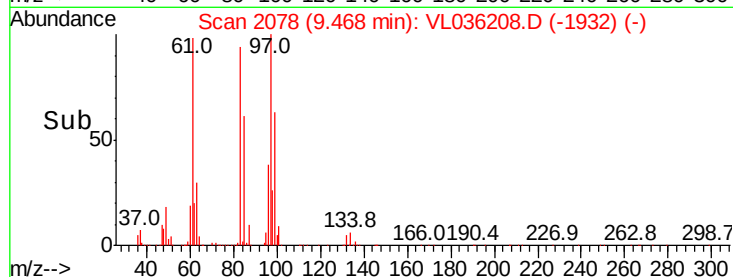
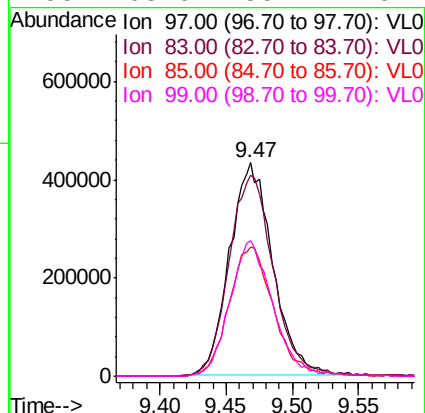
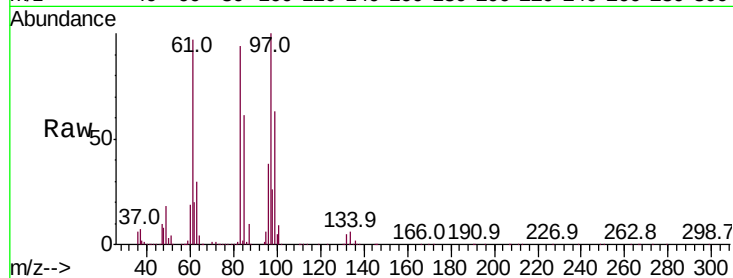
#47
 1,1,2-Trichloroethane
 Concen: 11.446 ppbv
 RT: 9.47 min Scan# 2078
 Delta R.T. -0.03 min
 Lab File: VL036208.D
 Acq: 24 Dec 2020 8:02

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ion	Ratio	Lower	Upper
97	100			
83	94.1	71.4	107.2	
85	60.5	46.6	70.0	
99	63.0	50.7	76.1	

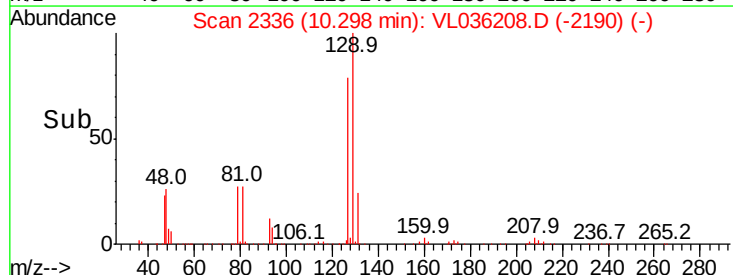
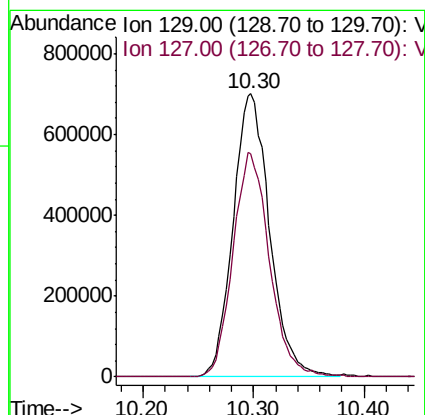
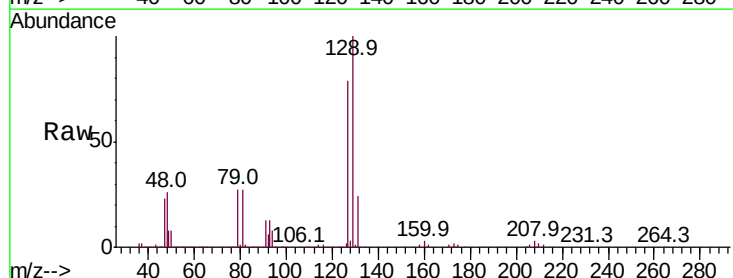
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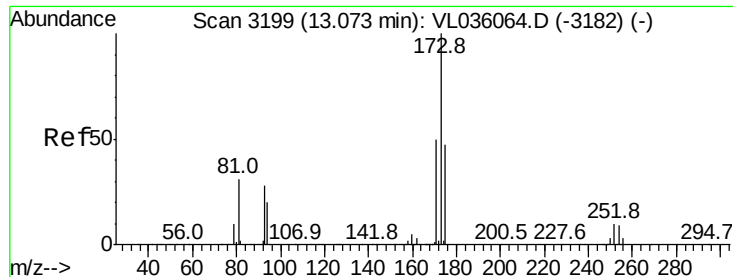
MMDadoda
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#48
 Dibromochloromethane
 Concen: 12.434 ppbv
 RT: 10.30 min Scan# 2336
 Delta R.T. -0.03 min
 Lab File: VL036208.D
 Acq: 24 Dec 2020 8:02

Tgt Ion	Ion	Ratio	Lower	Upper
129	100			
127	79.2	39.0	117.0	





#49

Bromoform

Concen: 12.581 ppbv

RT: 13.04 min Scan# 3188

Delta R.T. -0.04 min

Lab File: VL036208.D

Acq: 24 Dec 2020 8:02

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:173 Resp: 1285454

Ion Ratio Lower Upper

173 100

175 48.8 39.8 59.6

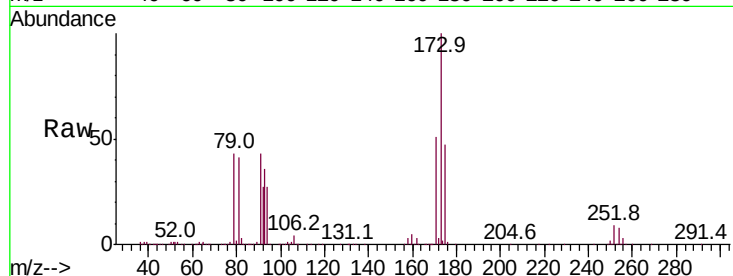
171 53.5 42.5 63.7

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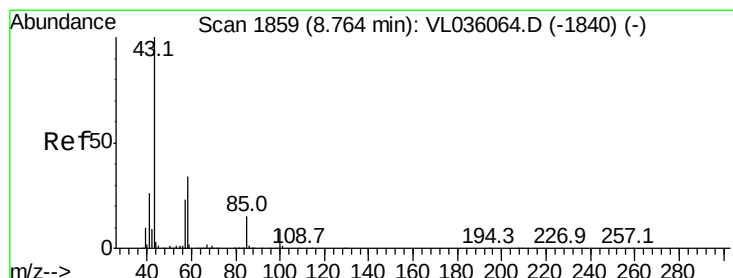
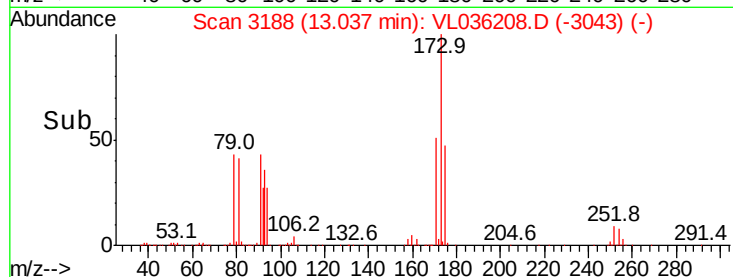
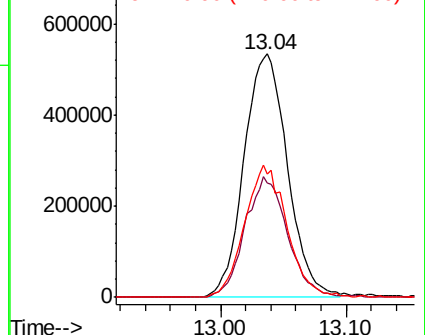
12/26/2020 1:36:58 PM



Abundance Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 170.90 (170.60 to 171.60): V



#50

4-Methyl-2-Pentanone

Concen: 12.025 ppbv

RT: 8.73 min Scan# 1849

Delta R.T. -0.03 min

Lab File: VL036208.D

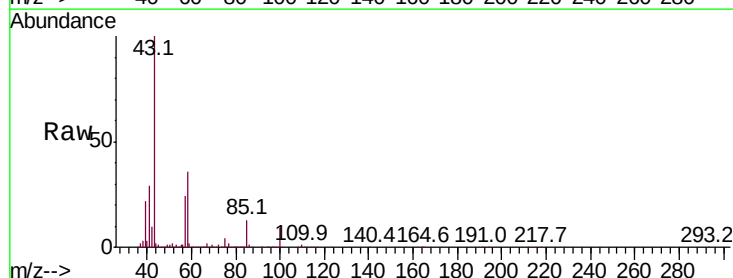
Acq: 24 Dec 2020 8:02

Tgt Ion: 43 Resp: 3175933

Ion Ratio Lower Upper

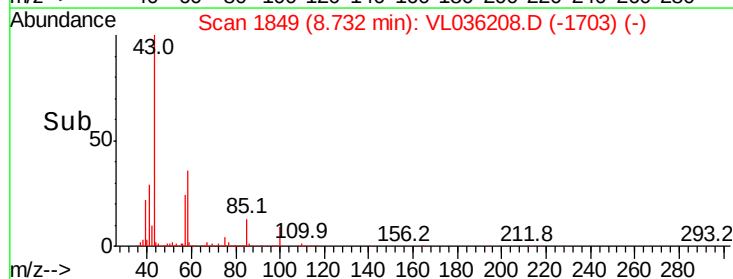
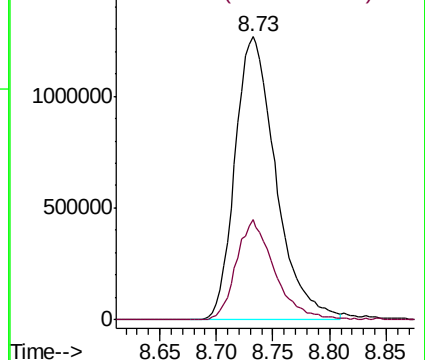
43 100

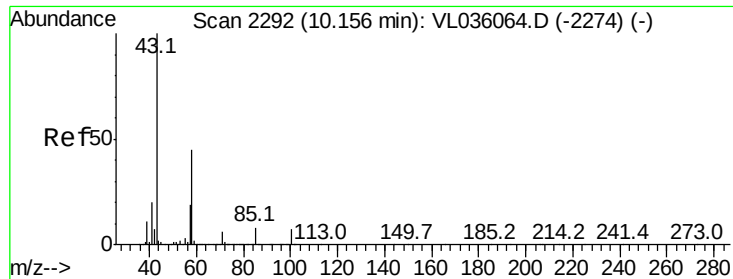
58 33.7 27.4 41.2



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0





#51

2-Hexanone

Concen: 12.824 ppbv

RT: 10.13 min Scan# 2283

Delta R.T. -0.03 min

Lab File: VL036208.D

Acq: 24 Dec 2020 8:02

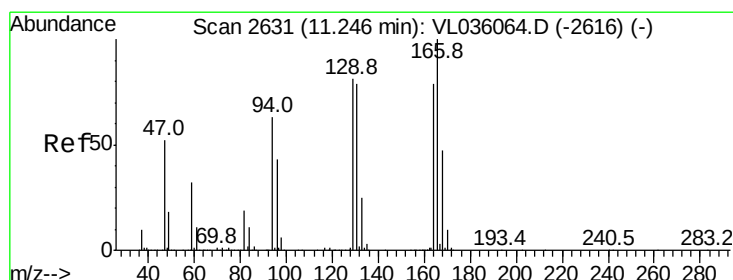
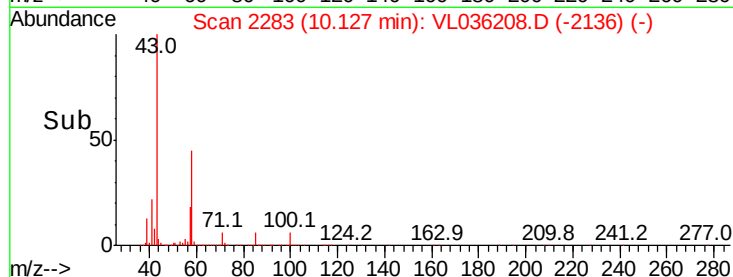
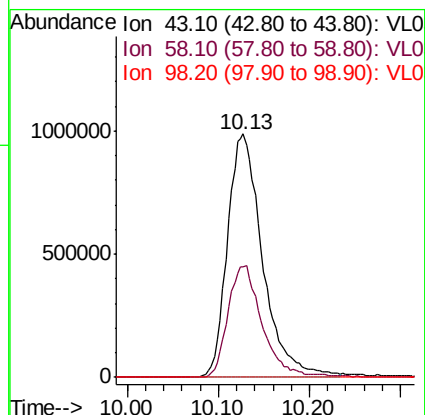
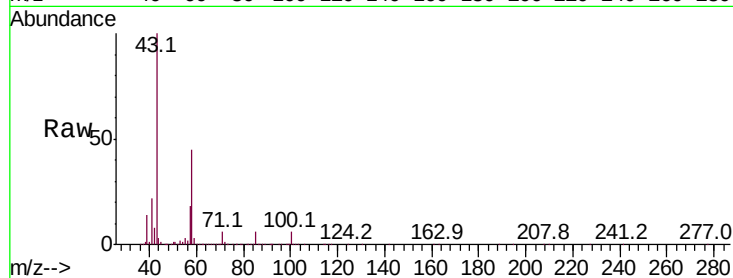
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 43 Resp: 2647460

Ion	Ratio	Lower	Upper
43	100		
58	44.9	38.7	58.1
98	0.3	0.1	0.1#

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#52

Tetrachloroethene

Concen: 9.128 ppbv

RT: 11.22 min Scan# 2622

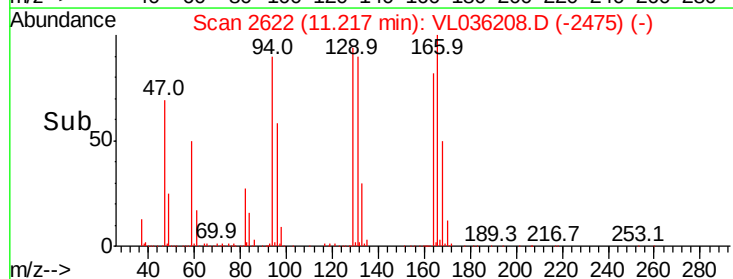
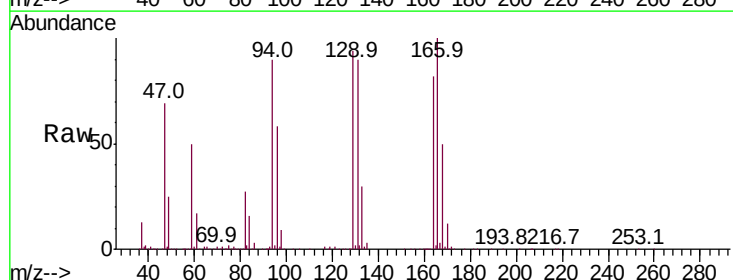
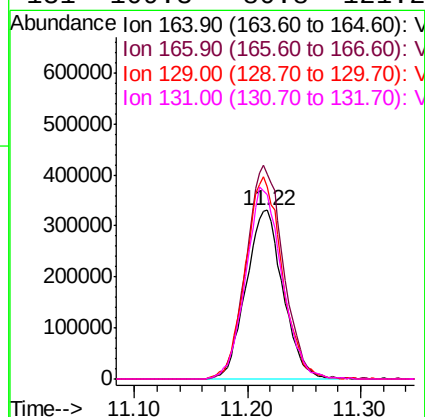
Delta R.T. -0.03 min

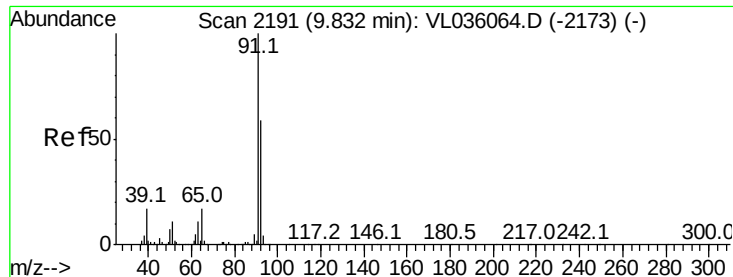
Lab File: VL036208.D

Acq: 24 Dec 2020 8:02

Tgt Ion: 164 Resp: 747603

Ion	Ratio	Lower	Upper
164	100		
166	121.9	101.9	152.9
129	114.3	82.1	123.1
131	109.3	80.8	121.2





#53

Toluene

Concen: 11.047 ppbv

RT: 9.80 min Scan# 2180

Delta R.T. -0.04 min

Lab File: VL036208.D

Acq: 24 Dec 2020 8:02

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 91 Resp: 2806665

Ion Ratio Lower Upper

91 100

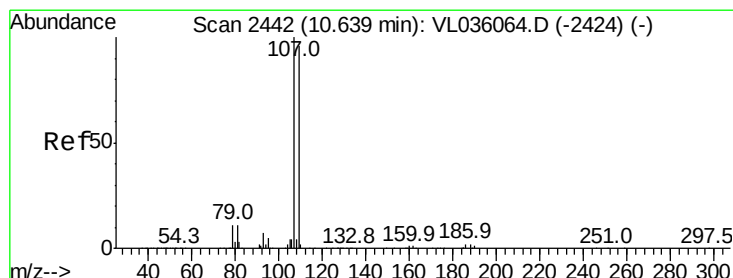
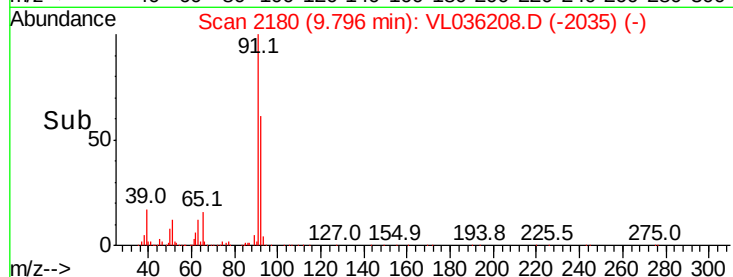
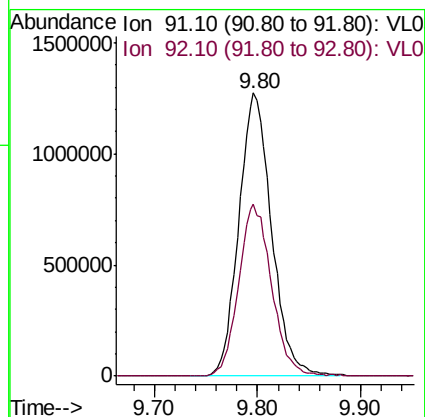
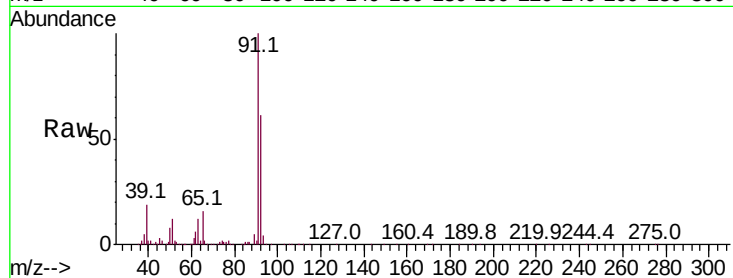
92 61.3 48.2 72.2

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#54

1,2-Dibromoethane

Concen: 11.690 ppbv

RT: 10.60 min Scan# 2431

Delta R.T. -0.04 min

Lab File: VL036208.D

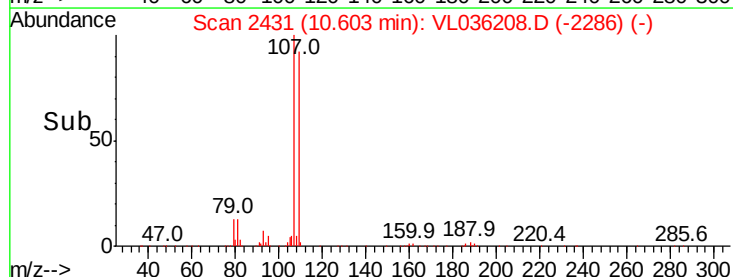
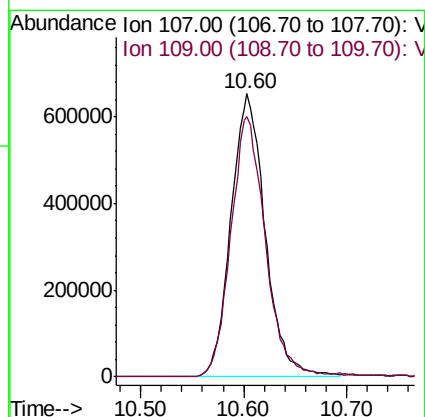
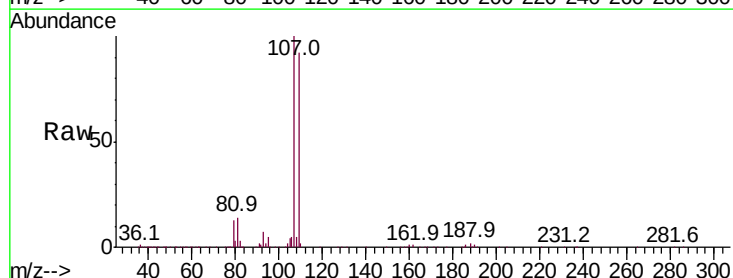
Acq: 24 Dec 2020 8:02

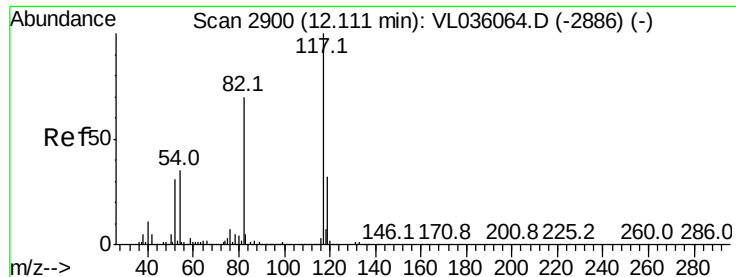
Tgt Ion: 107 Resp: 1506353

Ion Ratio Lower Upper

107 100

109 92.1 76.6 115.0





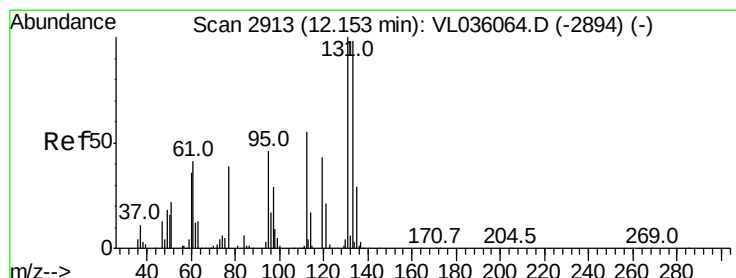
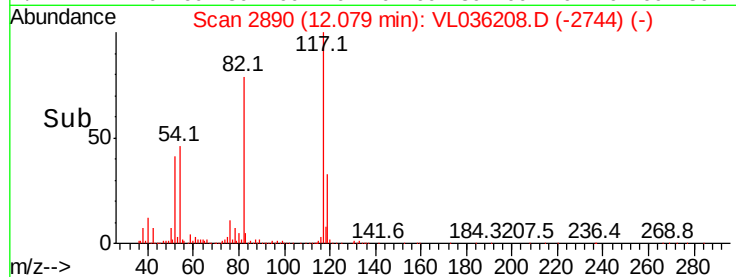
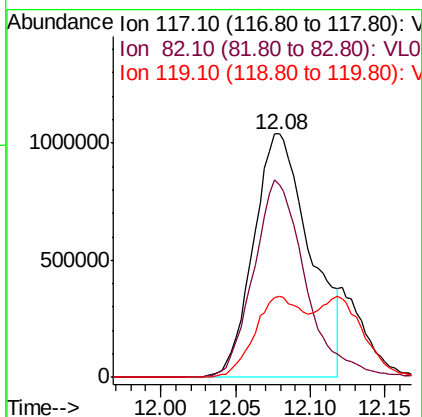
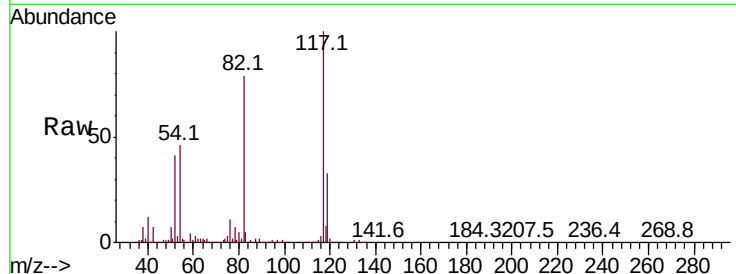
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.08 min Scan# 2890
Delta R.T. -0.03 min
Lab File: VL036208.D
Acq: 24 Dec 2020 8:02

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	74.8	0.0	0.0#
119	26.4	0.0	0.0#

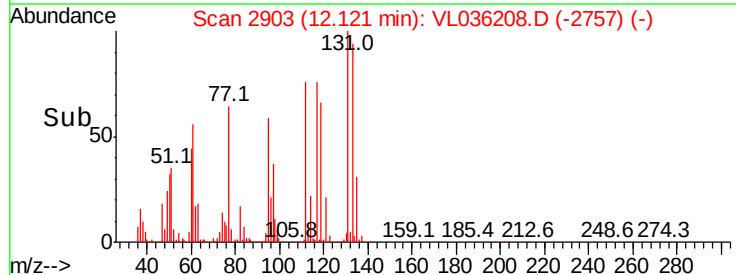
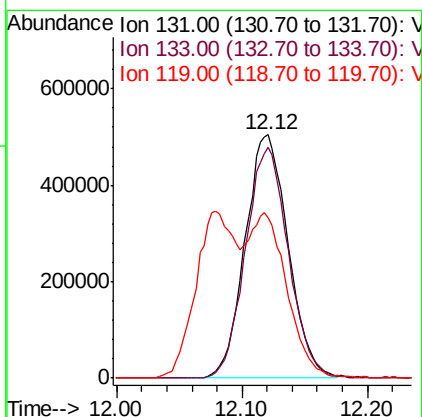
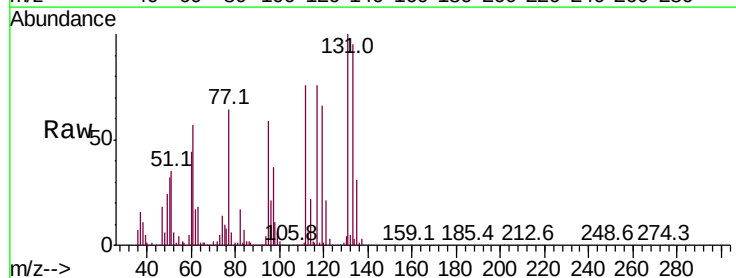
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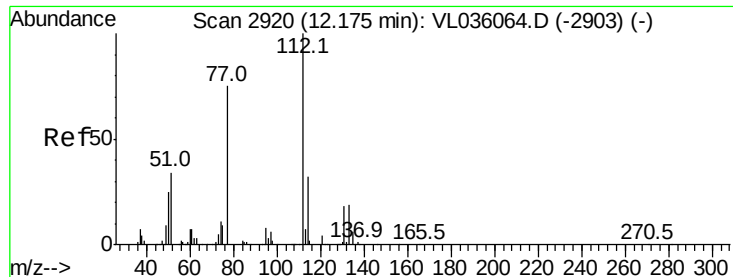
MMDadoda
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#56
1,1,1,2-Tetrachloroethane
Concen: 10.632 ppbv
RT: 12.12 min Scan# 2903
Delta R.T. -0.03 min
Lab File: VL036208.D
Acq: 24 Dec 2020 8:02

Tgt Ion	Ratio	Lower	Upper
131	100		
133	94.6	77.7	116.5
119	67.4	51.6	77.4





#57

Chlorobenzene

Concen: 9.979 ppbv

RT: 12.14 min Scan# 2909

Delta R.T. -0.04 min

Lab File: VL036208.D

Acq: 24 Dec 2020 8:02

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 112 Resp: 1911399

Ion Ratio Lower Upper

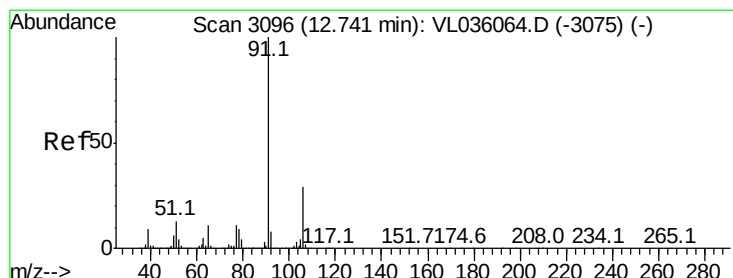
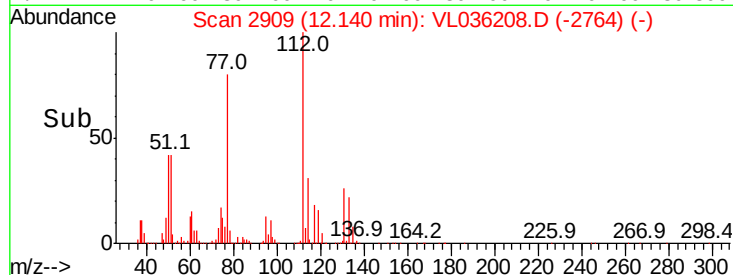
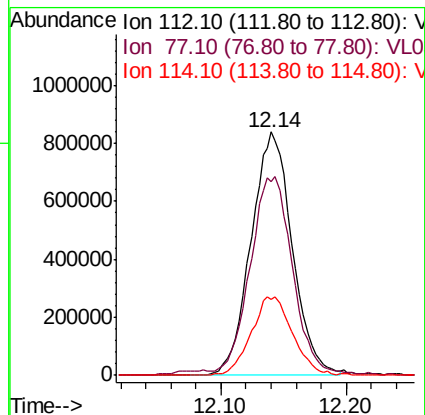
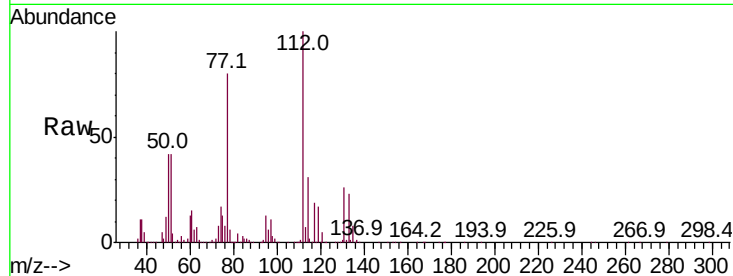
112 100

77 78.0 60.5 90.7

114 30.8 29.2 35.6

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#58

Ethyl Benzene

Concen: 10.631 ppbv

RT: 12.70 min Scan# 3084

Delta R.T. -0.04 min

Lab File: VL036208.D

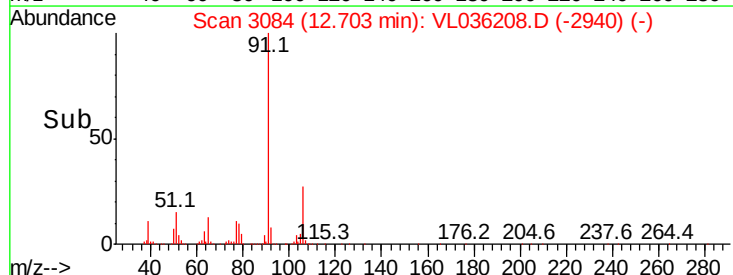
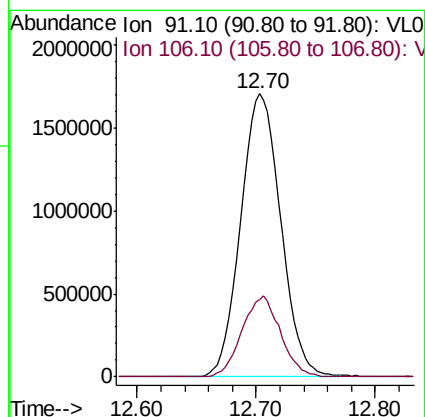
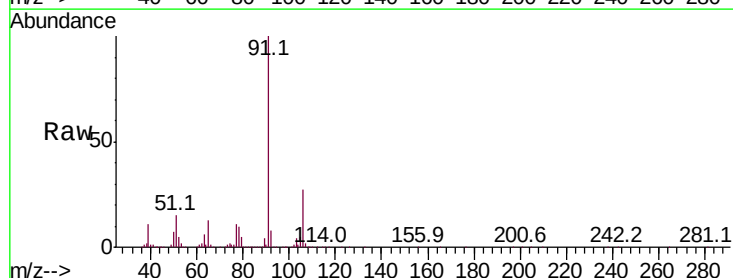
Acq: 24 Dec 2020 8:02

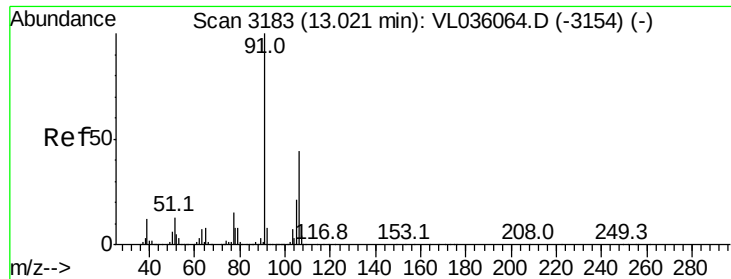
Tgt Ion: 91 Resp: 3975263

Ion Ratio Lower Upper

91 100

106 27.3 23.0 34.4





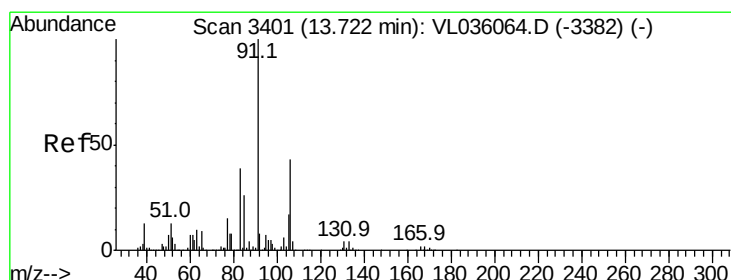
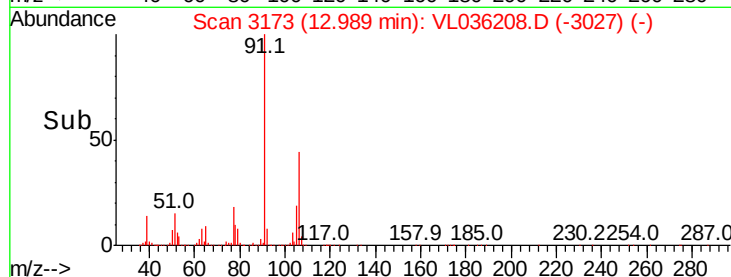
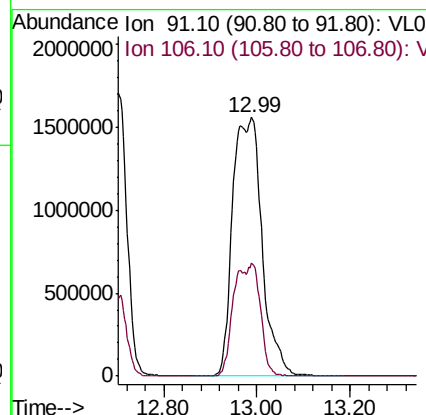
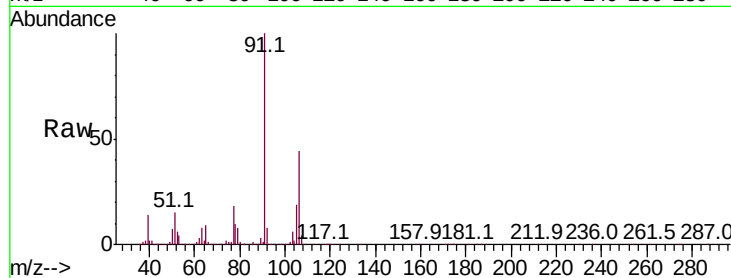
#59
m/p-Xylene
Concen: 21.635 ppbv m
RT: 12.99 min Scan# 3173
Delta R.T. -0.03 min
Lab File: VL036208.D
Acq: 24 Dec 2020 8:02

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 91 Resp: 6813452
Ion Ratio Lower Upper
91 100
106 39.5 33.6 50.4

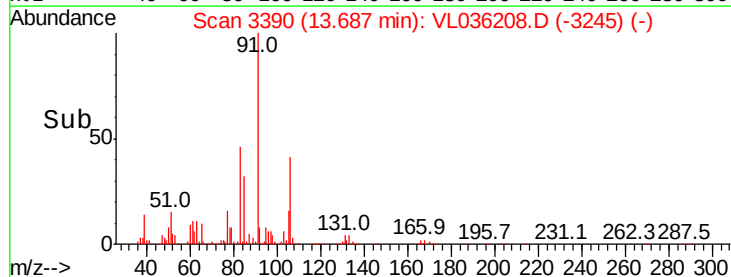
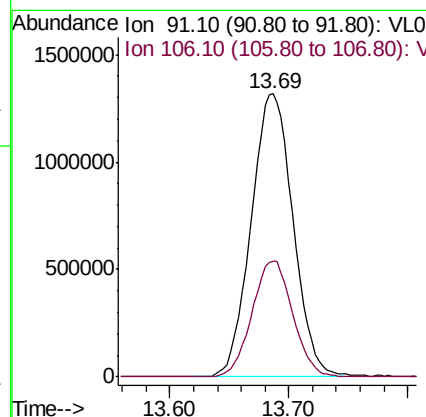
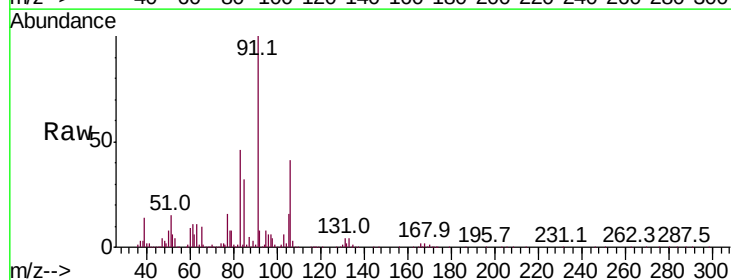
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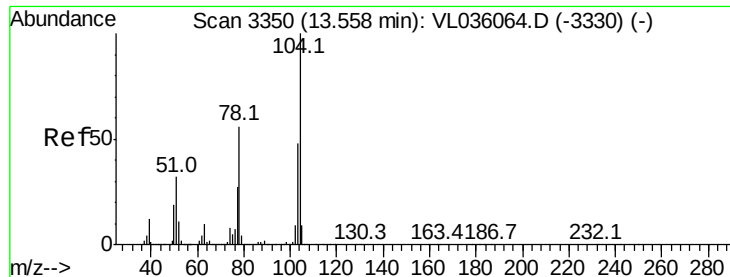
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#60
o-Xylene
Concen: 10.783 ppbv
RT: 13.69 min Scan# 3390
Delta R.T. -0.04 min
Lab File: VL036208.D
Acq: 24 Dec 2020 8:02

Tgt Ion: 91 Resp: 3199666
Ion Ratio Lower Upper
91 100
106 40.1 21.6 64.6





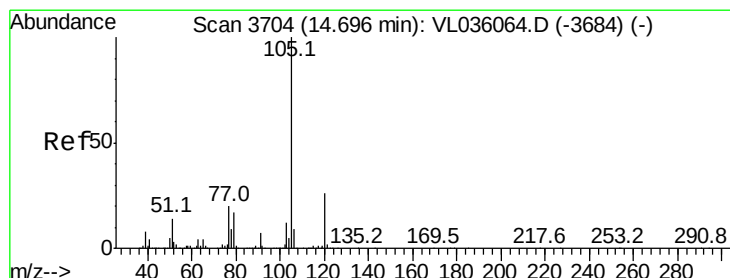
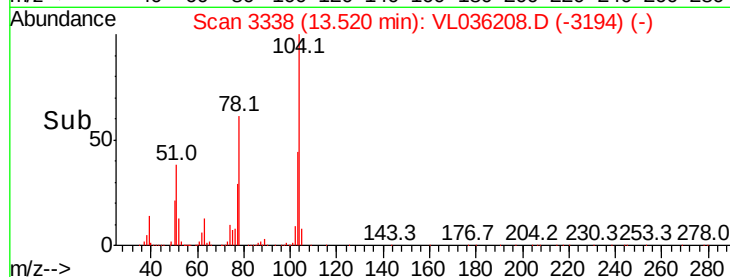
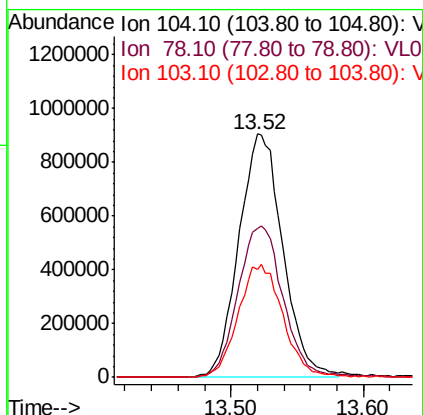
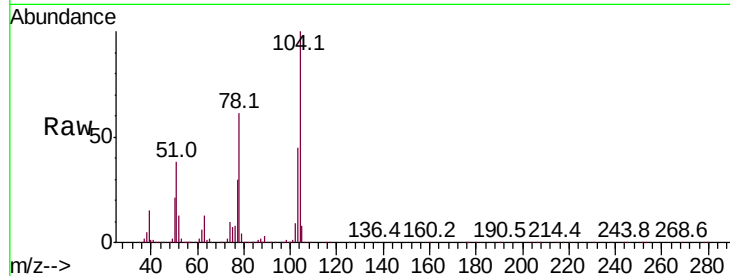
#61
Stvrene
Concen: 10.906 ppbv
RT: 13.52 min Scan# 3338
Delta R.T. -0.04 min
Lab File: VL036208.D
Acq: 24 Dec 2020 8:02

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion:104 Resp: 2077563
Ion Ratio Lower Upper
104 100
78 64.3 45.8 68.8
103 47.7 38.6 57.8

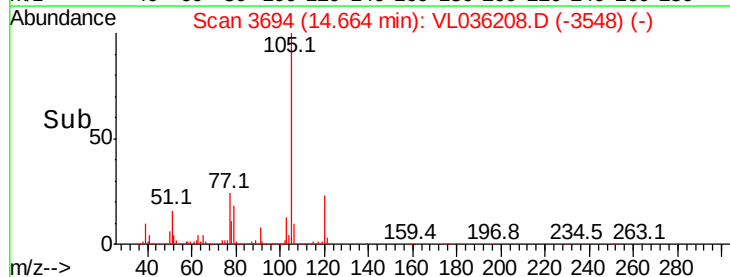
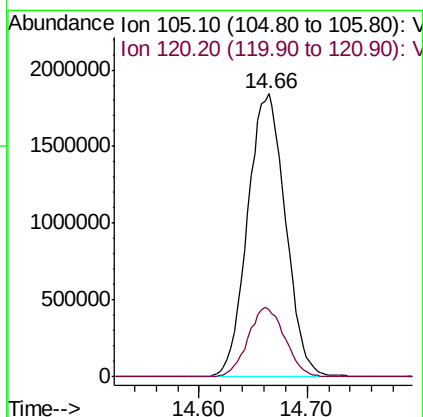
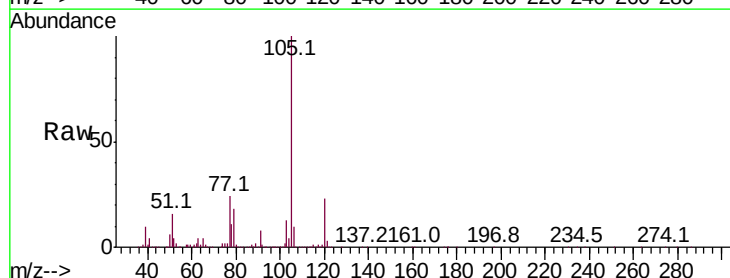
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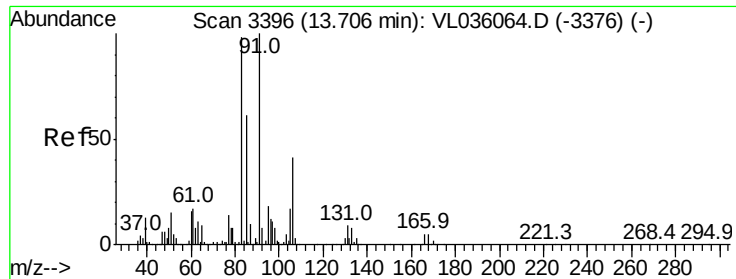
MMDadoda
12/26/2020 1:36:58 PM



#62
Isopropylbenzene
Concen: 10.232 ppbv
RT: 14.66 min Scan# 3694
Delta R.T. -0.03 min
Lab File: VL036208.D
Acq: 24 Dec 2020 8:02

Tgt Ion:105 Resp: 4500400
Ion Ratio Lower Upper
105 100
120 23.9 20.1 30.1





#63

1,1,2,2-Tetrachloroethane

Concen: 11.141 ppbv

RT: 13.67 min Scan# 3386

Delta R.T. -0.03 min

Lab File: VL036208.D

Acq: 24 Dec 2020 8:02

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 83 Resp: 2226345

Ion Ratio Lower Upper

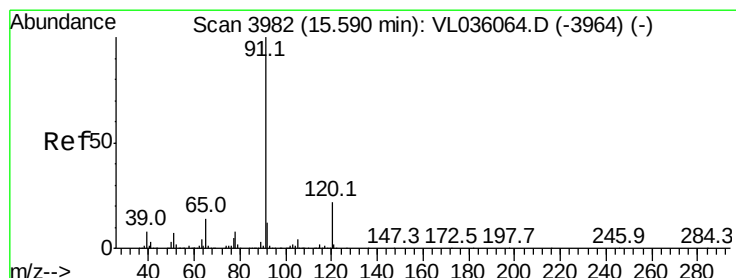
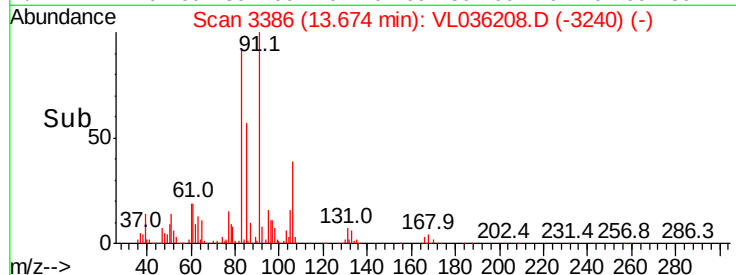
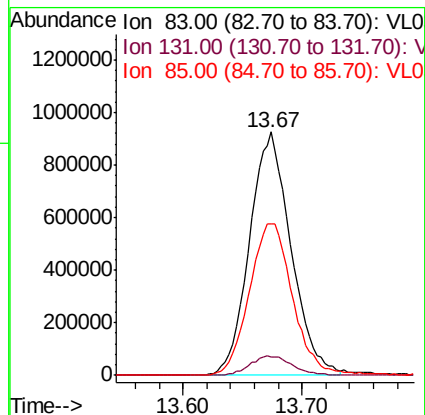
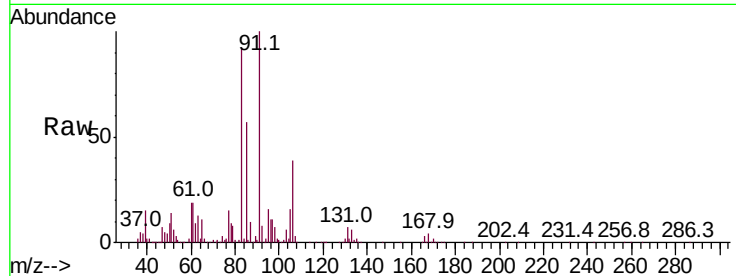
83 100

131 8.2 4.6 13.8

85 65.8 32.5 97.5

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#64

n-propylbenzene

Concen: 10.351 ppbv

RT: 15.55 min Scan# 3971

Delta R.T. -0.04 min

Lab File: VL036208.D

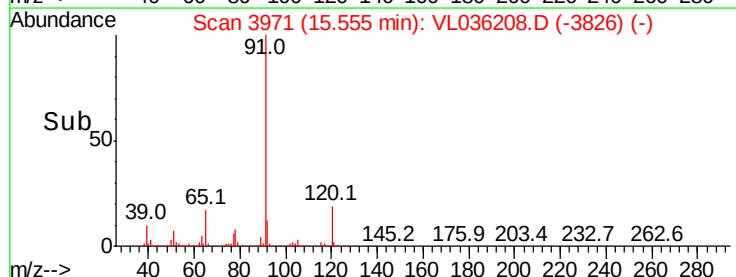
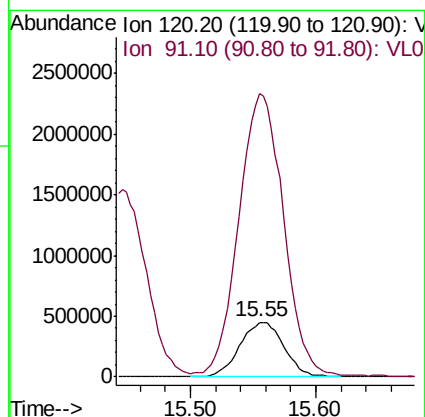
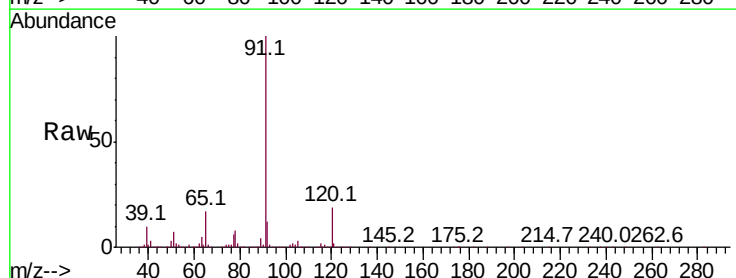
Acq: 24 Dec 2020 8:02

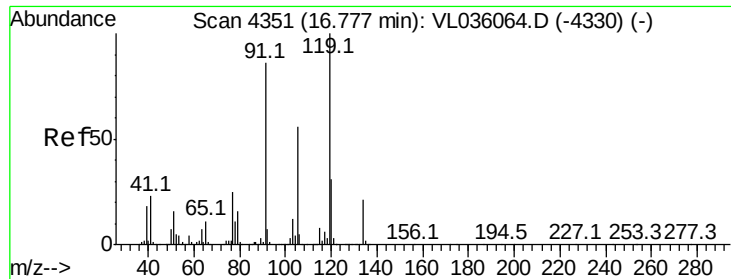
Tgt Ion: 120 Resp: 1095295

Ion Ratio Lower Upper

120 100

91 529.7 388.9 583.3





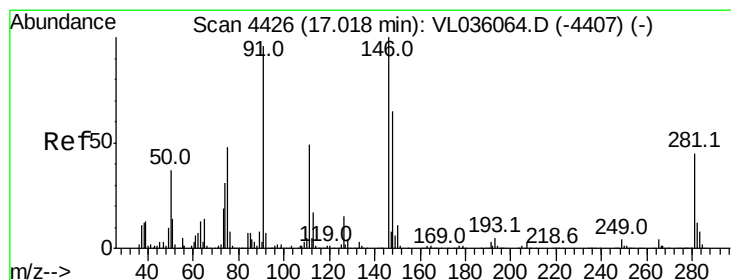
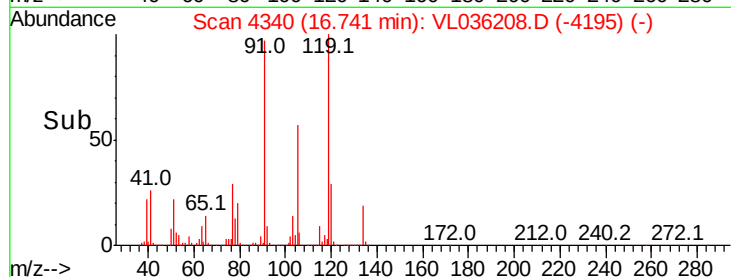
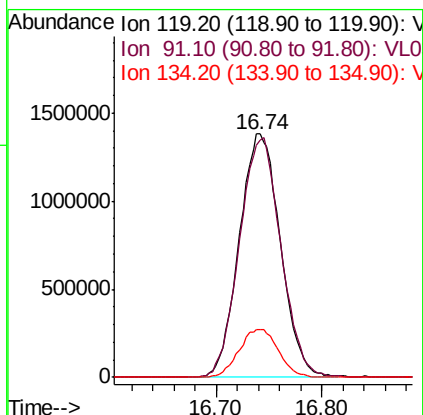
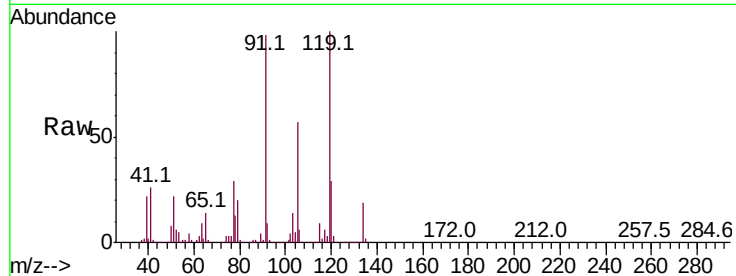
#65
tert-Butylbenzene
Concen: 10.397 ppbv
RT: 16.74 min Scan# 4340
Delta R.T. -0.04 min
Lab File: VL036208.D
Acq: 24 Dec 2020 8:02

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	99.6	70.2	105.2
134	18.9	15.8	23.6

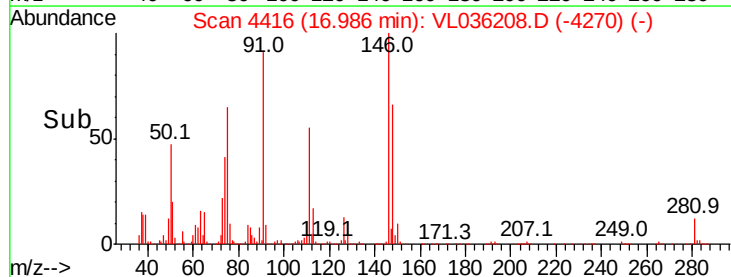
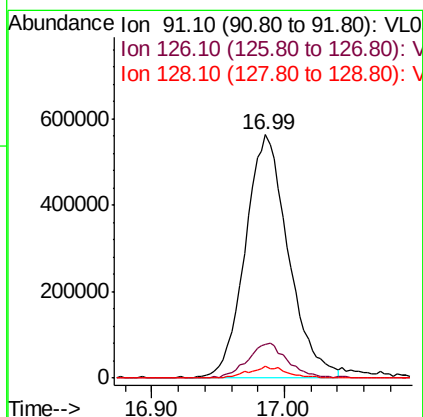
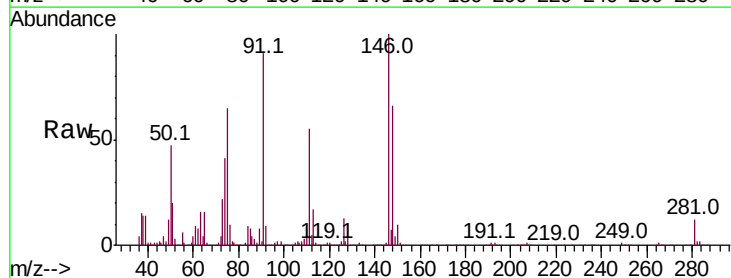
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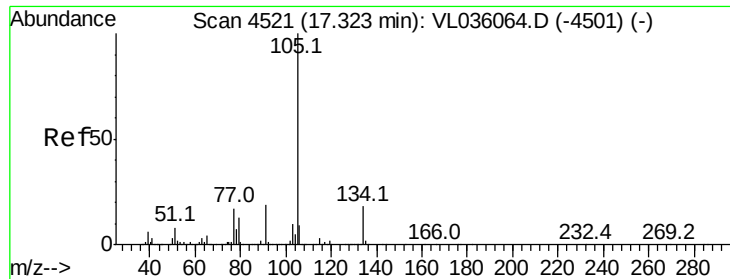
MMDadoda
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#66
Benzyl Chloride
Concen: 14.086 ppbv
RT: 16.99 min Scan# 4416
Delta R.T. -0.03 min
Lab File: VL036208.D
Acq: 24 Dec 2020 8:02

Tgt Ion	Ratio	Lower	Upper
91	100		
126	13.9	13.5	20.3
128	4.5	4.4	6.6





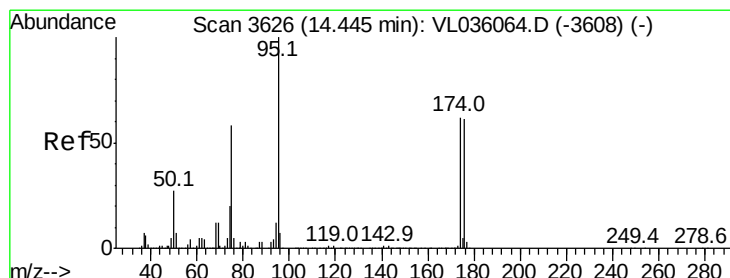
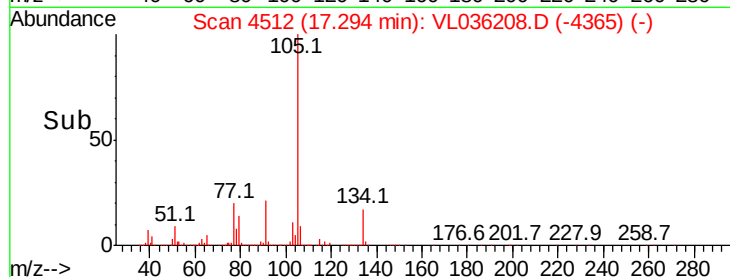
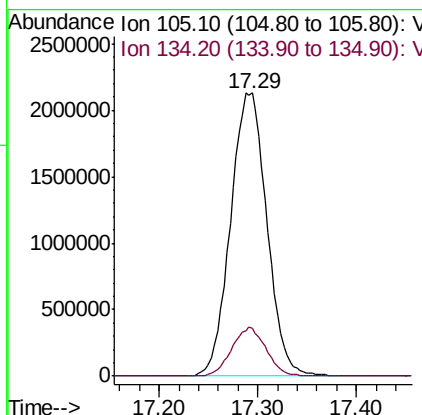
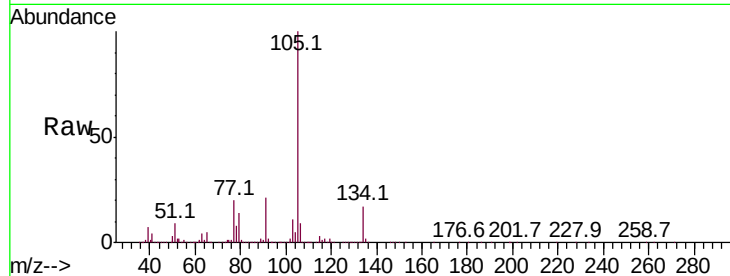
#67
 sec-Butylbenzene
 Concen: 10.796 ppbv
 RT: 17.29 min Scan# 4512
 Delta R.T. -0.03 min
 Lab File: VL036208.D
 Acq: 24 Dec 2020 8:02

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion:105 Resp: 5439728
 Ion Ratio Lower Upper
 105 100
 134 16.4 14.2 21.4

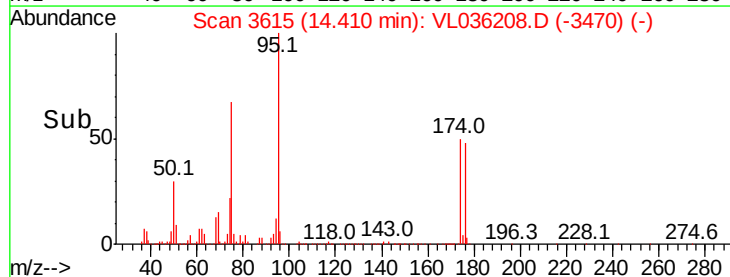
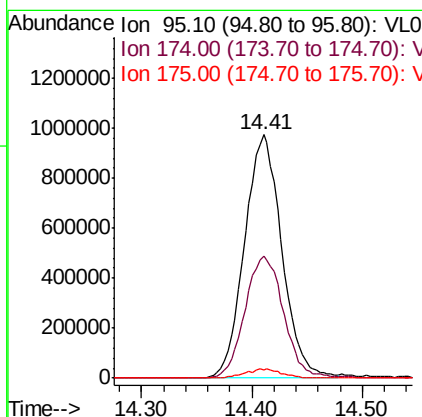
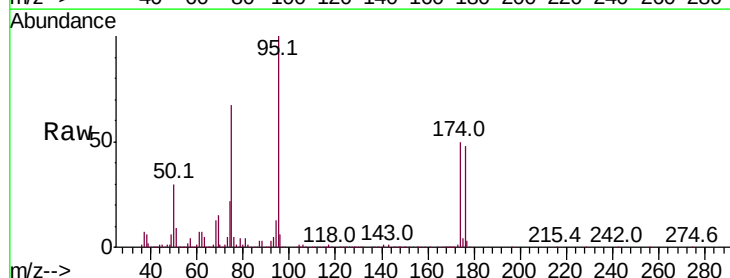
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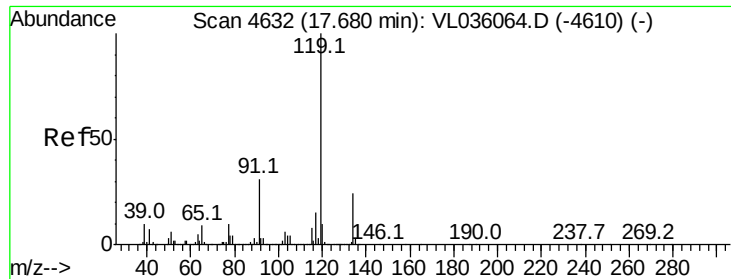
MMDadoda
 12/26/2020 1:36:58 PM



#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.545 ppbv
 RT: 14.41 min Scan# 3615
 Delta R.T. -0.04 min
 Lab File: VL036208.D
 Acq: 24 Dec 2020 8:02

Tgt Ion: 95 Resp: 2284527
 Ion Ratio Lower Upper
 95 100
 174 52.1 50.7 76.1
 175 3.8 4.0 6.0#





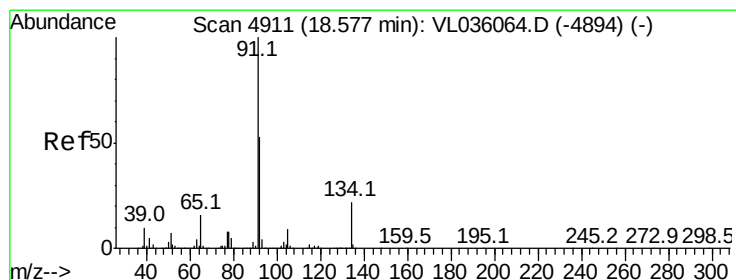
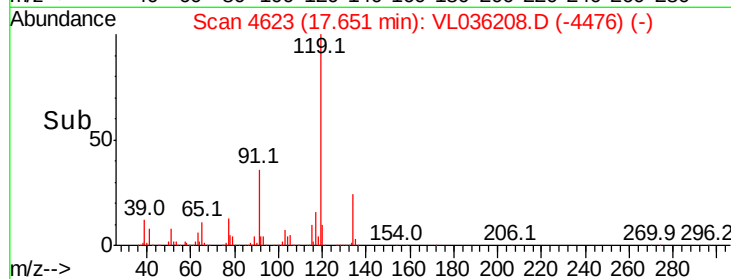
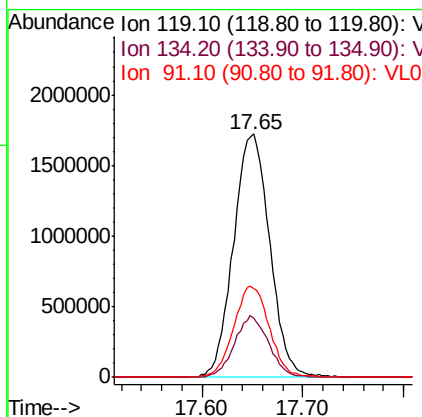
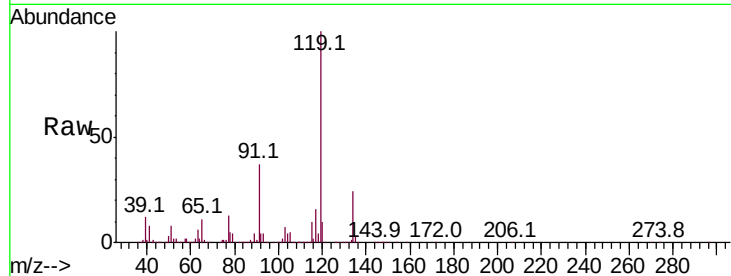
#69
p-Isopropyltoluene
Concen: 10.719 ppbv
RT: 17.65 min Scan# 4623
Delta R.T. -0.03 min
Lab File: VL036208.D
Acq: 24 Dec 2020 8:02

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
119	100		
134	23.9	19.8	29.6
91	36.8	25.8	38.6

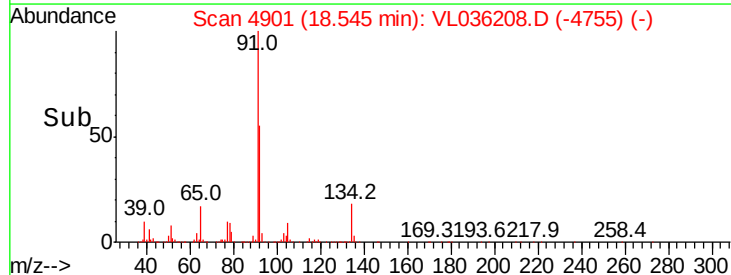
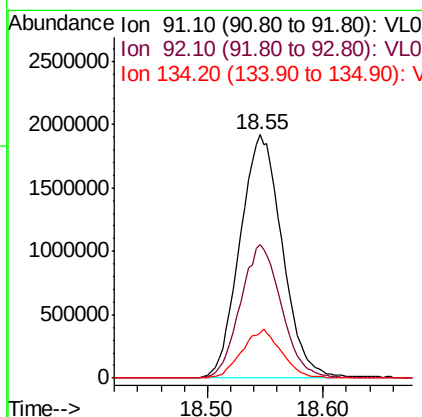
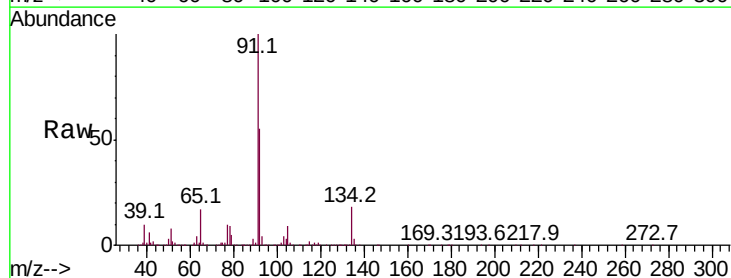
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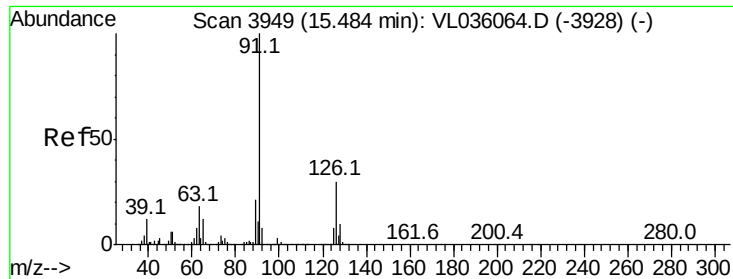
MMDadoda
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#70
n-Butylbenzene
Concen: 12.268 ppbv
RT: 18.55 min Scan# 4901
Delta R.T. -0.03 min
Lab File: VL036208.D
Acq: 24 Dec 2020 8:02

Tgt Ion	Ratio	Lower	Upper
91	100		
92	53.5	43.3	64.9
134	18.9	17.1	25.7





#71

2-Chlorotoluene

Concen: 11.199 ppbv

RT: 15.45 min Scan# 3937

Delta R.T. -0.04 min

Lab File: VL036208.D

Acq: 24 Dec 2020 8:02

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 91 Resp: 3723246

Ion Ratio Lower Upper

91 100

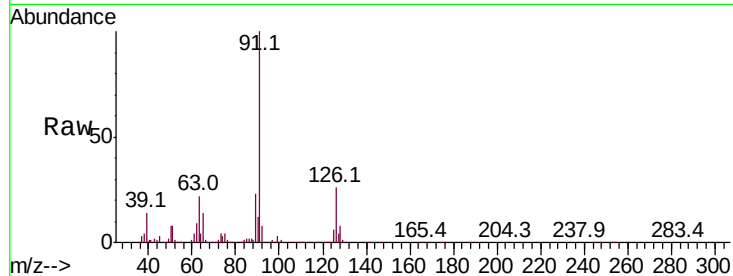
126 26.0 11.6 46.4

Manual Integrations

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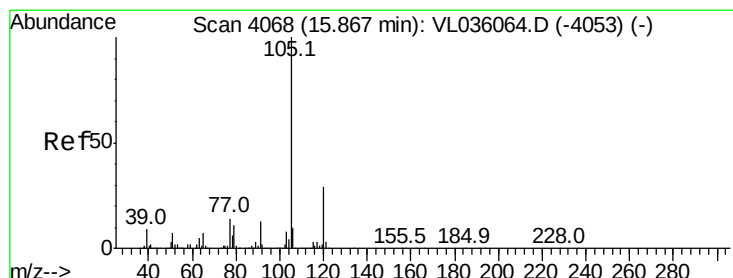
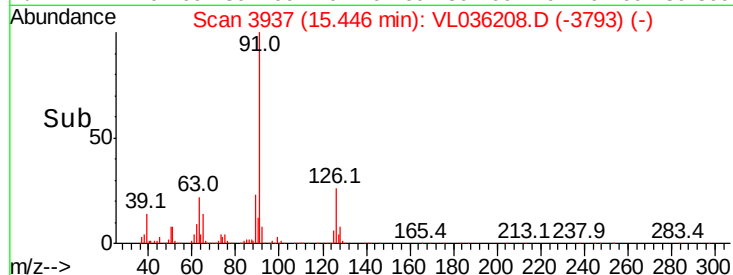
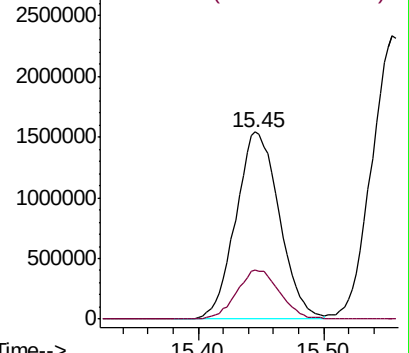
MMDadoda

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Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V



#72

4-Ethyltoluene

Concen: 10.902 ppbv

RT: 15.83 min Scan# 4058

Delta R.T. -0.03 min

Lab File: VL036208.D

Acq: 24 Dec 2020 8:02

Tgt Ion: 105 Resp: 3504005

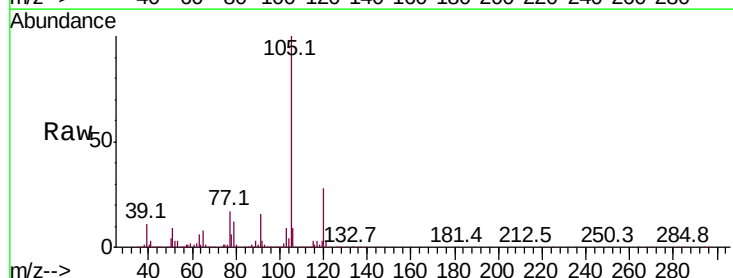
Ion Ratio Lower Upper

105 100

120 27.4 23.6 35.4

91 16.2 11.4 17.0

77 17.3 12.1 18.1

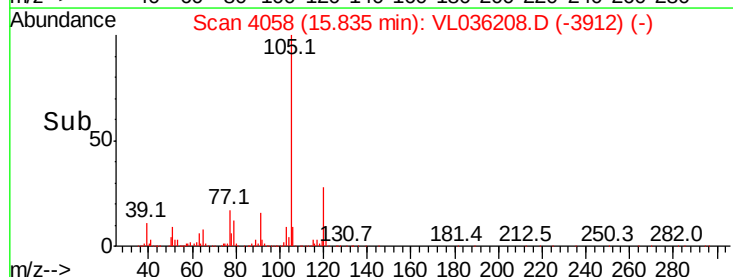
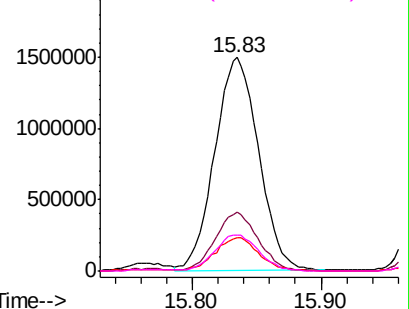


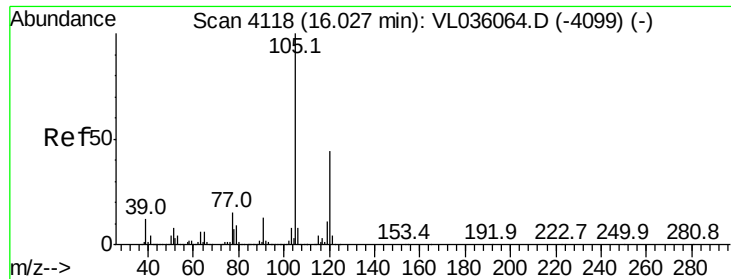
Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0





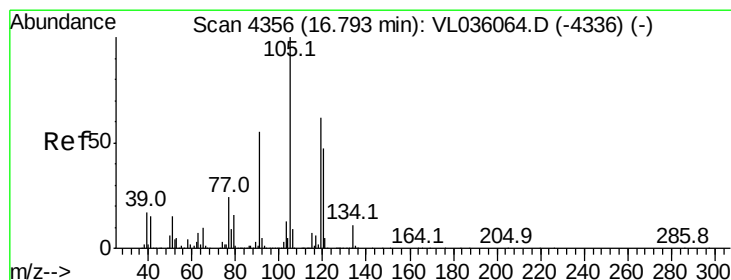
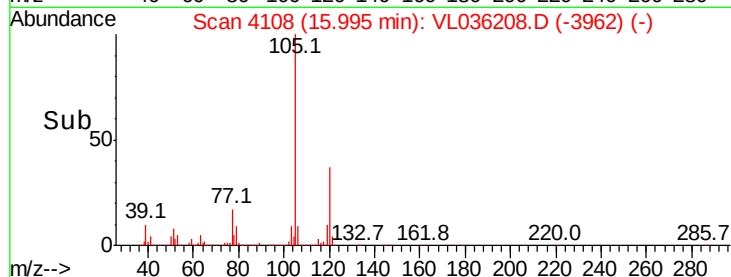
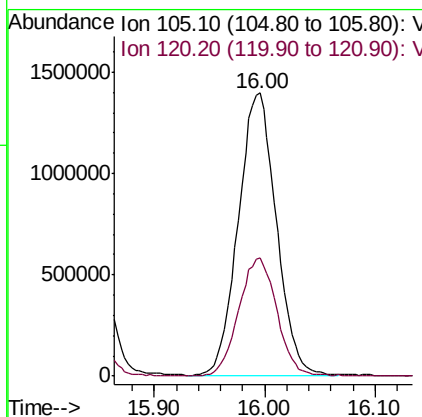
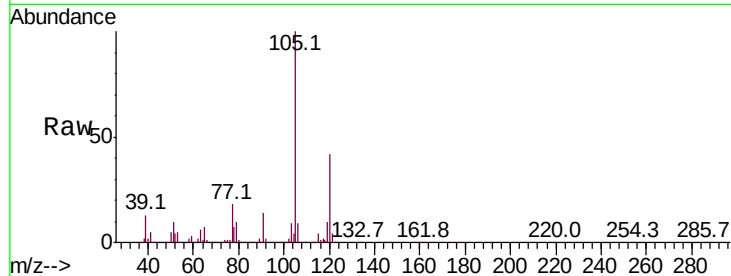
#73
 1,3,5-Trimethylbenzene
 Concen: 10.787 ppbv
 RT: 16.00 min Scan# 4108
 Delta R.T. -0.03 min
 Lab File: VL036208.D
 Acq: 24 Dec 2020 8:02

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion:105 Resp: 3311250
 Ion Ratio Lower Upper
 105 100
 120 41.6 35.4 53.2

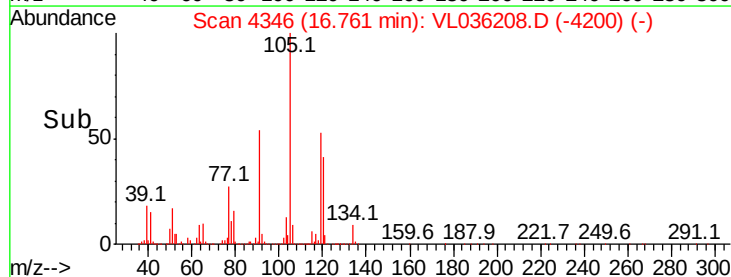
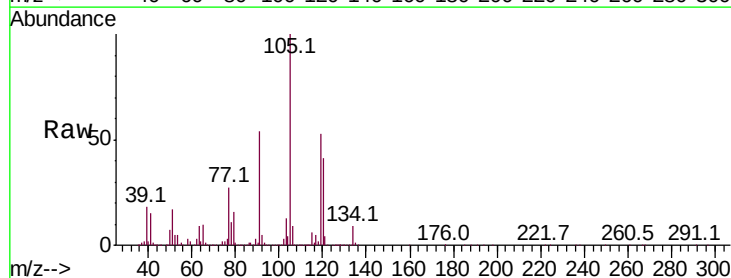
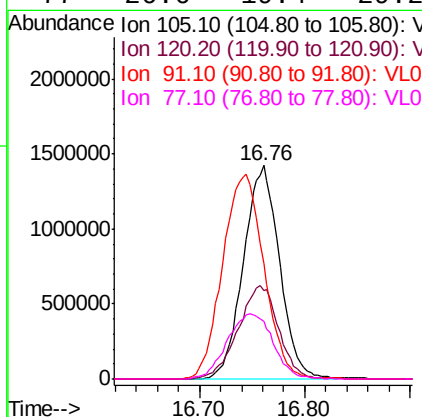
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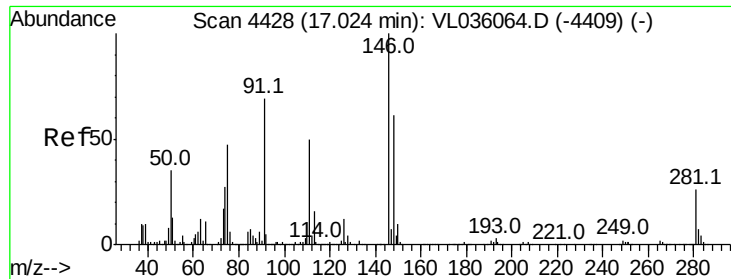
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#74
 1,2,4-Trimethylbenzene
 Concen: 11.014 ppbv
 RT: 16.76 min Scan# 4346
 Delta R.T. -0.03 min
 Lab File: VL036208.D
 Acq: 24 Dec 2020 8:02

Tgt Ion:105 Resp: 3393940
 Ion Ratio Lower Upper
 105 100
 120 41.1 37.4 56.0
 91 53.5 45.6 68.4
 77 26.6 19.4 29.2





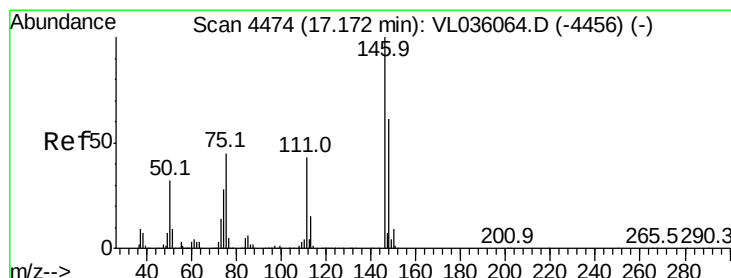
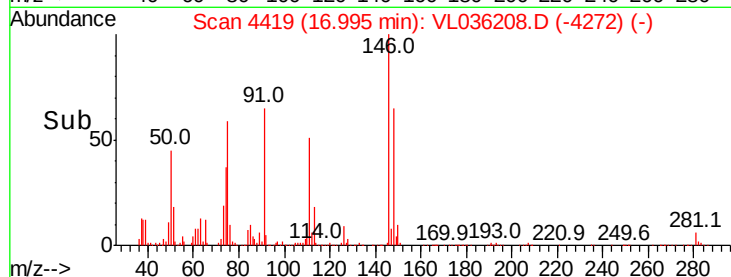
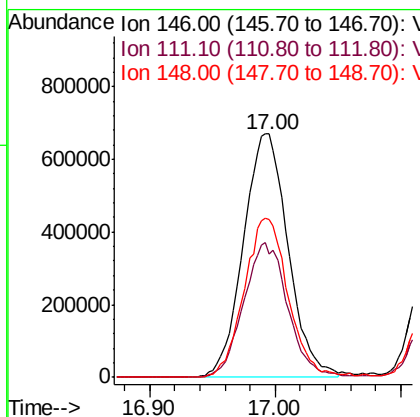
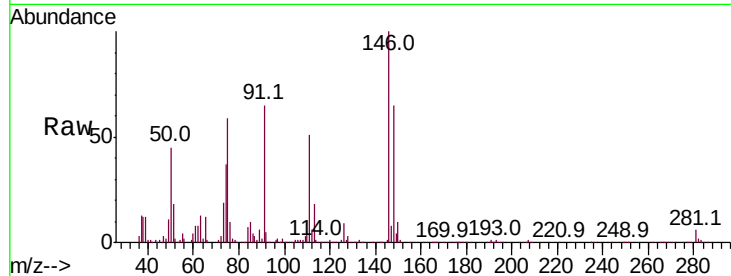
#75
 1,3-Dichlorobenzene
 Concen: 10.739 ppbv
 RT: 17.00 min Scan# 4419
 Delta R.T. -0.03 min
 Lab File: VL036208.D
 Acq: 24 Dec 2020 8:02

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion:146 Resp: 1656440
 Ion Ratio Lower Upper
 146 100
 111 54.4 25.1 75.3
 148 65.0 32.9 98.6

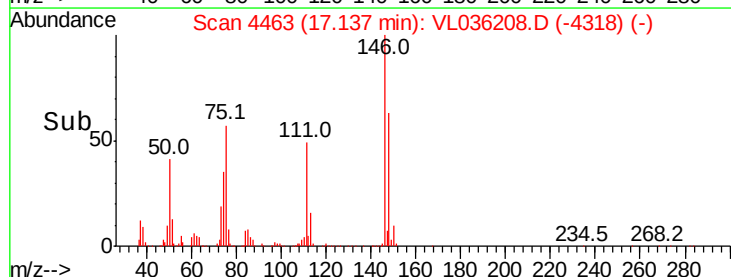
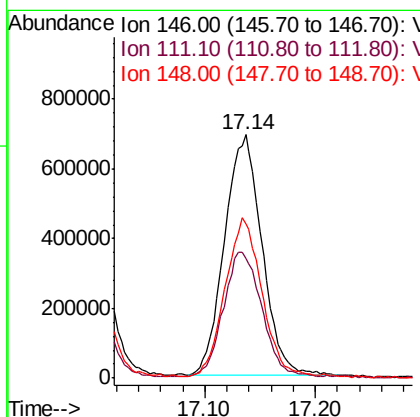
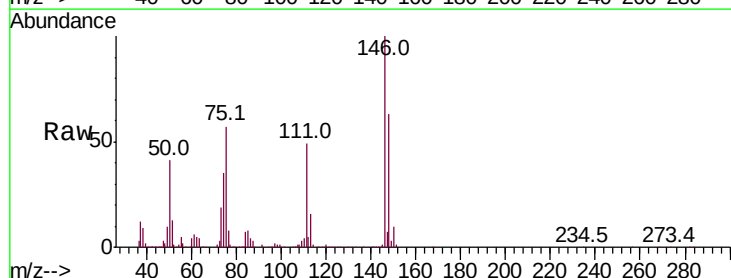
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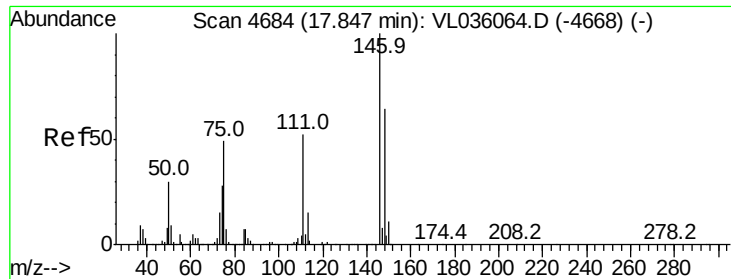
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#76
 1,4-Dichlorobenzene
 Concen: 10.402 ppbv
 RT: 17.14 min Scan# 4463
 Delta R.T. -0.04 min
 Lab File: VL036208.D
 Acq: 24 Dec 2020 8:02

Tgt Ion:146 Resp: 1633571
 Ion Ratio Lower Upper
 146 100
 111 53.0 24.3 72.8
 148 66.6 32.8 98.3





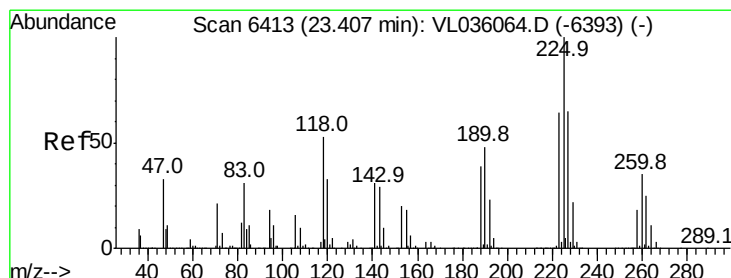
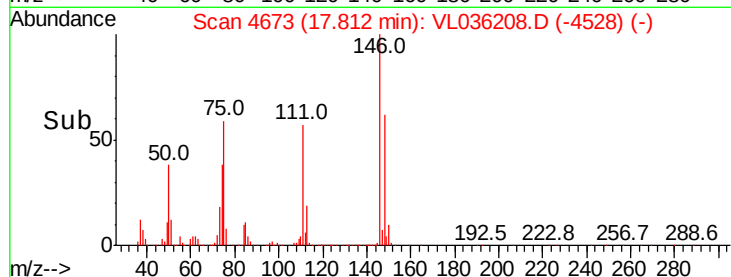
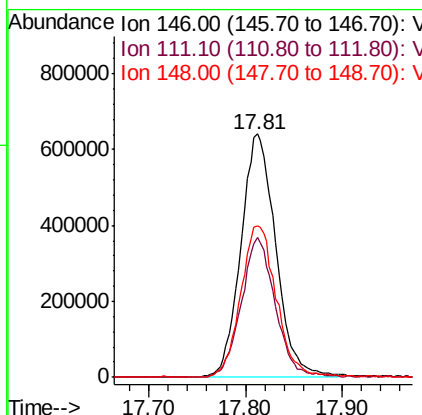
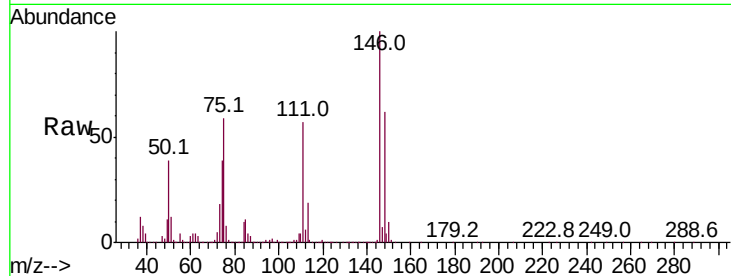
#77
 1,2-Dichlorobenzene
 Concen: 10.842 ppbv
 RT: 17.81 min Scan# 4673
 Delta R.T. -0.04 min
 Lab File: VL036208.D
 Acq: 24 Dec 2020 8:02

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion:146 Resp: 1596720
 Ion Ratio Lower Upper
 146 100
 111 56.5 26.1 78.2
 148 64.3 33.1 99.5

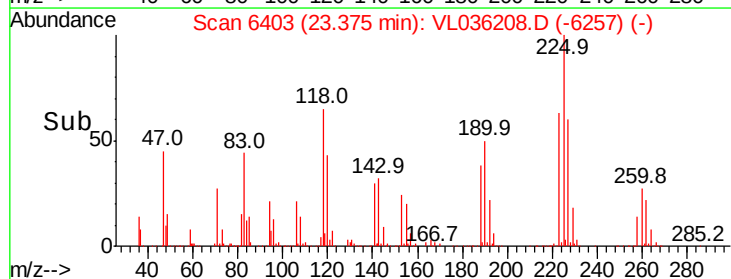
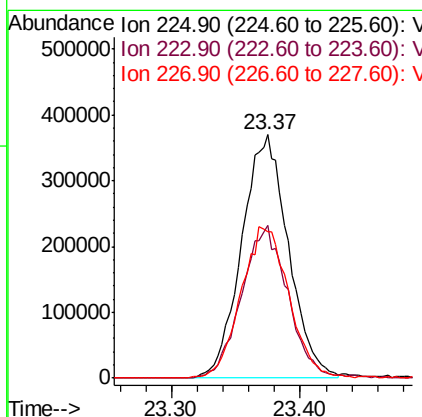
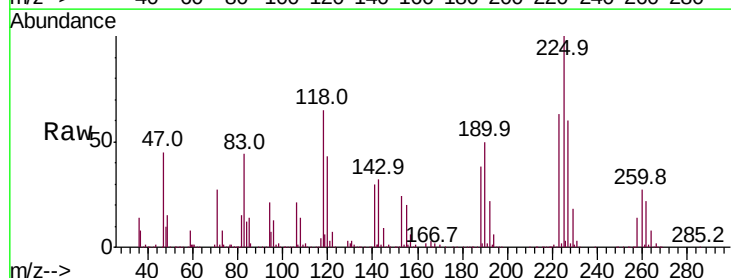
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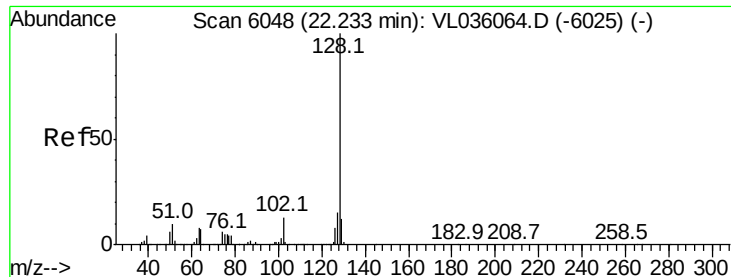
MMDadoda
 12/26/2020 1:36:58 PM



#78
 Hexachloro-1,3-Butadiene
 Concen: 7.821 ppbv
 RT: 23.37 min Scan# 6403
 Delta R.T. -0.03 min
 Lab File: VL036208.D
 Acq: 24 Dec 2020 8:02

Tgt Ion:225 Resp: 923125
 Ion Ratio Lower Upper
 225 100
 223 62.7 51.1 76.7
 227 64.9 51.7 77.5





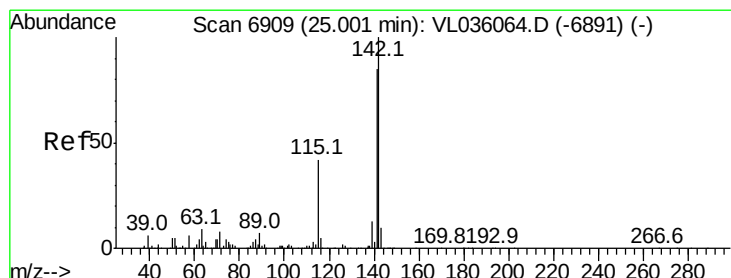
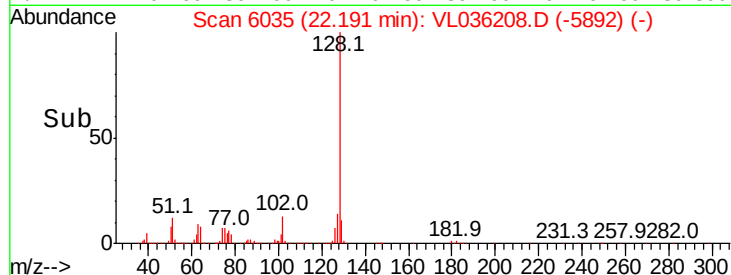
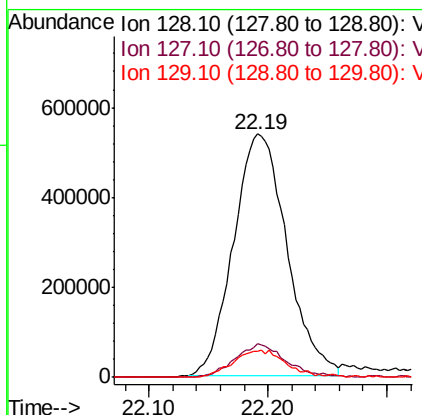
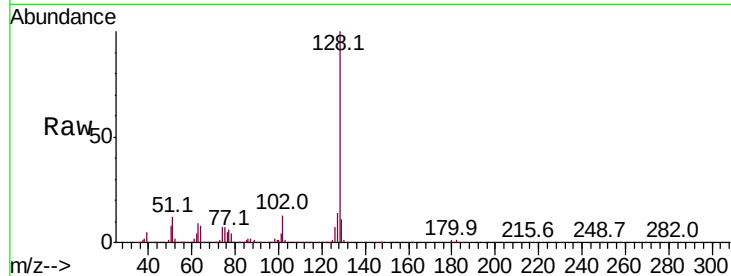
#79
Naphthalene
Concen: 10.678 ppbv
RT: 22.19 min Scan# 6035
Delta R.T. -0.04 min
Lab File: VL036208.D
Acq: 24 Dec 2020 8:02

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.7	11.7	17.5
129	10.7	9.3	13.9

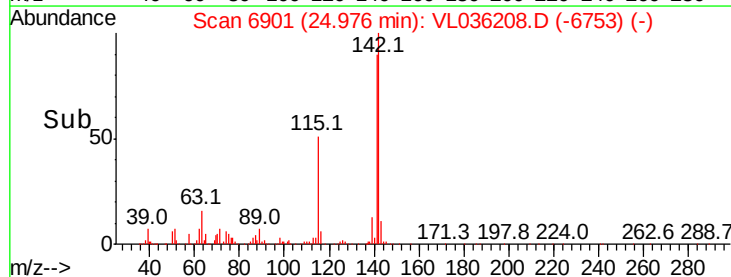
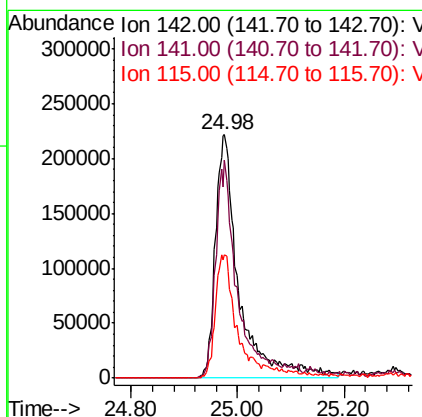
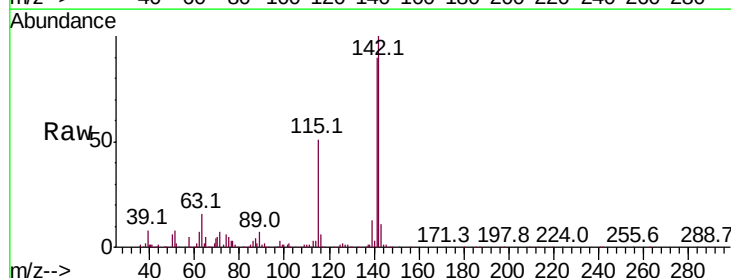
Manual Integrations
APPROVED

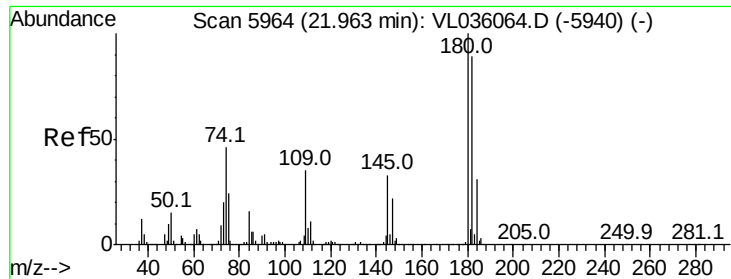
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12/26/2020 1:36:58 PM



#80
Naphthalene, 2-methyl-
Concen: 19.629 ppbv
RT: 24.98 min Scan# 6901
Delta R.T. -0.03 min
Lab File: VL036208.D
Acq: 24 Dec 2020 8:02

Tgt Ion	Ratio	Lower	Upper
142	100		
141	86.6	64.3	96.5
115	49.6	33.9	50.9





#81
 1,2,4-Trichlorobenzene
 Concen: 8.849 ppbv
 RT: 21.92 min Scan# 5950
 Delta R.T. -0.04 min
 Lab File: VL036208.D
 Acq: 24 Dec 2020 8:02

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Resp Lower	Resp Upper
180	100		
182	101.4	0.0	0.0#
184	32.0	0.0	0.0#

Manual Integrations
 APPROVED

MMDadoda
 12/26/2020 1:36:58 PM

