

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL121020\
 Data File : VL036161.D
 Acq On : 11 Dec 2020 12:36
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleID :
 VSTDCCC010EC

Manual Integrations
 APPROVED

MMDadoda
 12/15/2020 4:52:19 PM

Quant Time: Dec 11 16:02:04 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL120720AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Dec 07
 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	5.66	49	1246972	10.00	ppbv	-0.03
33) 1,4-Difluorobenzene	7.17	114	2568980	10.00	ppbv	-0.03
55) Chlorobenzene-d5	12.08	117	2464283m	10.00	ppbv	-0.03

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.41	95	2138951	10.93	ppbv	-0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	109.30%

Target Compounds

						Ovalue
2) Dichlorodifluoromethane	3.04	85	1285354	8.845	ppbv	98
3) Chlorodifluoromethane	2.98	51	1565412	11.003	ppbv	97
4) Chloromethane	3.13	50	743140	10.639	ppbv	99
5) Vinyl Chloride	3.25	62	727485	9.362	ppbv	100
6) Bromomethane	3.46	94	364488	9.090	ppbv	84
7) Chloroethane	3.55	64	256019	9.672	ppbv	92
8) Dichlorotetrafluoroethane	3.18	85	1666698	10.320	ppbv	88
9) Propene	3.00	41	694302	9.742	ppbv	99
10) Heptane	8.11	43	1782866	9.795	ppbv	99
11) Trichlorofluoromethane	3.94	101	1776646	10.398	ppbv	96
12) 1,1,2-Trichlorotrifluoroet	4.47	101	1096775	9.452	ppbv	91
13) Ethanol	3.60	45	90757m	9.237	ppbv	
14) Bromoethene	3.73	108	458634	9.635	ppbv	96
15) Acetone	3.84	43	1538118	10.263	ppbv	97
16) 1,3-Butadiene	3.31	39	717332	9.503	ppbv	98
17) tert-Butyl alcohol	4.28	59	1059610	7.299	ppbv	99
18) 1,1-Dichloroethene	4.28	96	494107	9.591	ppbv	97
19) Isopropyl Alcohol	3.96	45	727912	7.947	ppbv #	100
20) Methylene Chloride	4.33	84	420956m	6.854	ppbv	
21) Allyl Chloride	4.40	41	855298	8.583	ppbv	90
22) trans-1,2-Dichloroethene	4.87	96	485578	9.414	ppbv	92
23) Vinyl Acetate	5.07	43	1947034	9.758	ppbv #	98
24) 1,1-Dichloroethane	5.00	63	1336865	9.526	ppbv	99
25) Ethyl Acetate	5.67	43	3015398	10.071	ppbv	100
26) Hexane	5.68	57	1235438	9.169	ppbv	99
27) Carbon Disulfide	4.54	76	1189498	8.882	ppbv	95
28) Methyl tert-Butyl Ether	5.02	73	1685056	8.796	ppbv	100
29) Chloroform	5.74	83	1886024	10.659	ppbv	99
30) Cyclohexane	7.12	84	968289	9.782	ppbv	97
31) cis-1,2-Dichloroethene	5.54	61	1307166	10.672	ppbv	92
32) 1,1,1-Trichloroethane	6.51	97	1848533	10.124	ppbv	96
34) 2-Butanone	5.24	43	1827699	10.726	ppbv	99
35) Carbon Tetrachloride	7.01	117	1763120	11.769	ppbv	99
36) Benzene	6.89	78	2448345	11.246	ppbv	97
37) 1,2-Dichloroethane	6.30	62	1626707	12.894	ppbv	97
38) Trichloroethene	7.83	130	741325	9.109	ppbv	92
39) 1,2-Dichloropropane	7.61	63	1004331	11.681	ppbv	96
40) 1,4-Dioxane	7.83	88	294350	10.885	ppbv #	42
41) Tetrahydrofuran	6.04	42	1134335	11.205	ppbv	99
42) Bromodichloromethane	7.79	83	2096414	12.471	ppbv	98
43) Methyl Methacrylate	8.01	69	1134201	12.143	ppbv	98

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Quant Time: Dec 11 16:02:04 2020
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 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	4417915	11.205	ppbv	99
45) t-1,3-Dichloropropene	9.27	75	1190048	12.402	ppbv	97
46) cis-1,3-Dichloropropene	8.70	75	1417642	11.787	ppbv	98
47) 1,1,2-Trichloroethane	9.47	97	933577	11.286	ppbv	98
48) Dibromochloromethane	10.30	129	1470757	11.774	ppbv	99
49) Bromoform	13.04	173	1185948	12.063	ppbv	98
50) 4-Methyl-2-Pentanone	8.74	43	3011795	11.851	ppbv	99
51) 2-Hexanone	10.13	43	2419971	12.182	ppbv #	97
52) Tetrachloroethene	11.22	164	701528	8.901	ppbv	96
53) Toluene	9.80	91	2679151	10.959	ppbv	99
54) 1,2-Dibromoethane	10.61	107	1398241	11.277	ppbv	95
56) 1,1,1,2-Tetrachloroethane	12.12	131	1088108	10.649	ppbv	97
57) Chlorobenzene	12.14	112	1814385	10.488	ppbv	95
58) Ethyl Benzene	12.71	91	3718565	11.011	ppbv	100
59) m/p-Xylene	13.00	91	6310926m	22.187	ppbv	
60) o-Xylene	13.69	91	2954046	11.023	ppbv	96
61) Styrene	13.53	104	1963620	11.413	ppbv	95
62) Isopropylbenzene	14.67	105	4212334	10.604	ppbv	97
63) 1,1,2,2-Tetrachloroethane	13.67	83	2059277	11.410	ppbv	99
64) n-propylbenzene	15.56	120	1027012	10.746	ppbv	83
65) tert-Butylbenzene	16.74	119	3465118	10.657	ppbv	91
66) Benzyl Chloride	16.99	91	1054485	13.024	ppbv	95
67) sec-Butylbenzene	17.29	105	5046567	11.090	ppbv	97
69) p-Isopropyltoluene	17.65	119	3987118	11.015	ppbv	96
70) n-Butylbenzene	18.55	91	4537080	12.682	ppbv	98
71) 2-Chlorotoluene	15.45	91	3472272	11.563	ppbv	95
72) 4-Ethyltoluene	15.84	105	3290594	11.335	ppbv	97
73) 1,3,5-Trimethylbenzene	16.00	105	3091901	11.152	ppbv	96
74) 1,2,4-Trimethylbenzene	16.76	105	3158969	11.350	ppbv	92
75) 1,3-Dichlorobenzene	17.00	146	1539063	11.047	ppbv	97
76) 1,4-Dichlorobenzene	17.14	146	1515435	10.684	ppbv	97
77) 1,2-Dichlorobenzene	17.82	146	1488056	11.187	ppbv	97
78) Hexachloro-1,3-Butadiene	23.38	225	893752m	8.383	ppbv	
79) Naphthalene	22.19	128	1603767	11.336	ppbv	97
80) Naphthalene, 2-methyl-	24.98	142	629114	19.887	ppbv	89
81) 1,2,4-Trichlorobenzene	21.93	180	902230	9.546	ppbv #	100

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

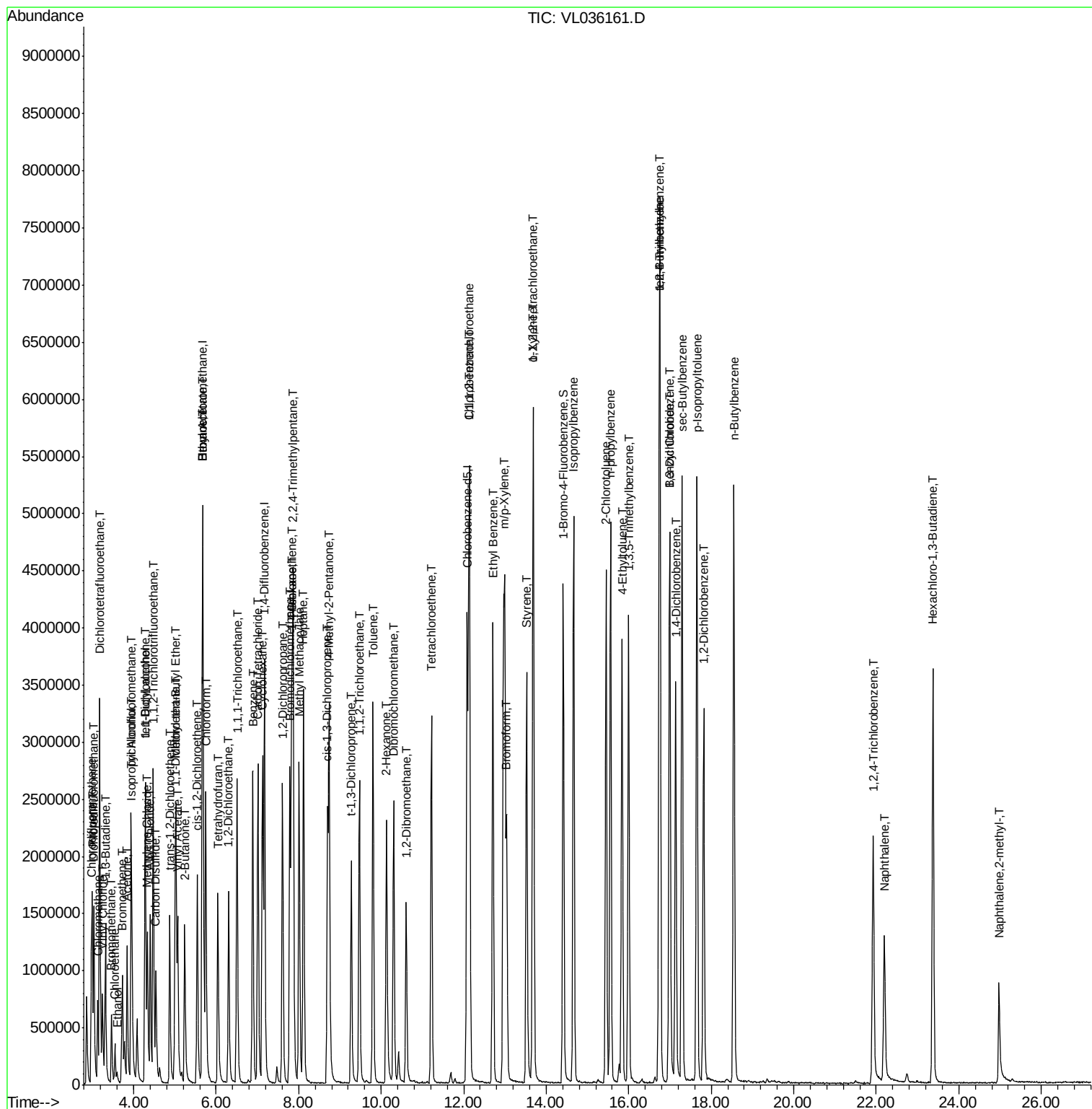
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL121020\
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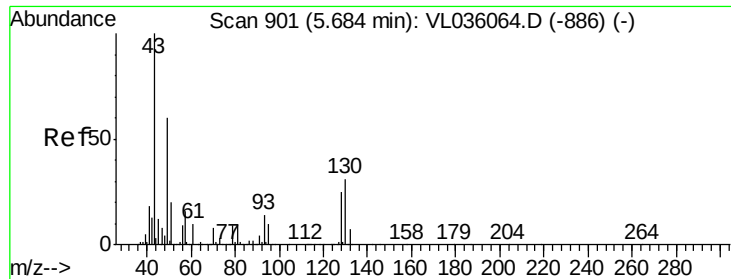
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

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QLast Update : Mon Dec 07 16:56:49 2020
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 min Scan# 893

Delta R.T. -0.03 min

Lab File: VL036161.D

Acq: 11 Dec 2020 12:36

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 49 Resp: 1246972

Ion Ratio Lower Upper

49 100

128 36.2 21.1 63.1

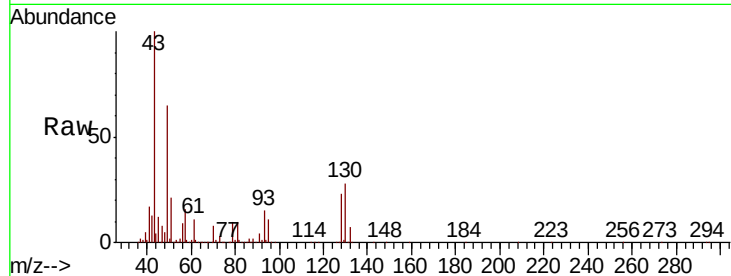
130 46.2 27.1 81.3

Manual Integrations

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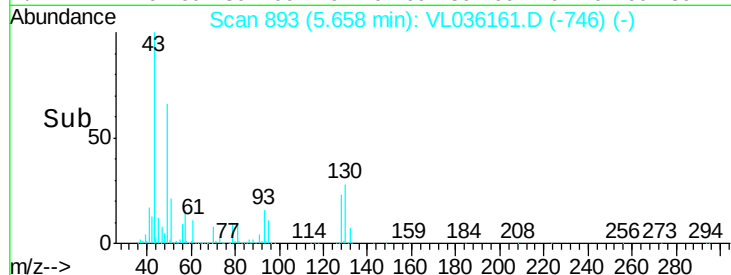
Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0

5.66

Time-->



#2

Dichlorodifluoromethane

Concen: 8.845 ppbv

RT: 3.04 min Scan# 78

Delta R.T. -0.02 min

Lab File: VL036161.D

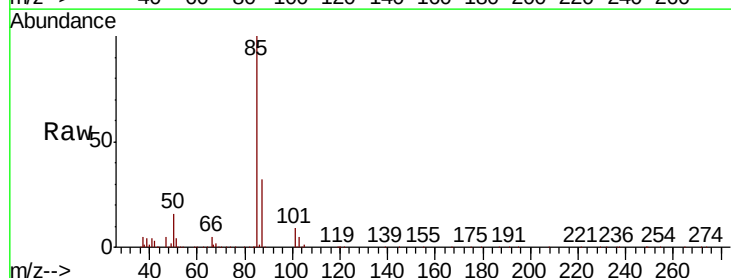
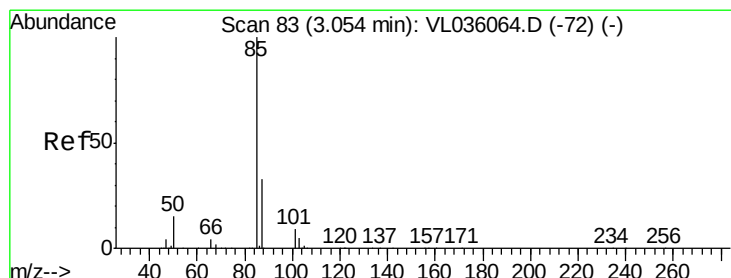
Acq: 11 Dec 2020 12:36

Tgt Ion: 85 Resp: 1285354

Ion Ratio Lower Upper

85 100

87 32.2 26.5 39.7

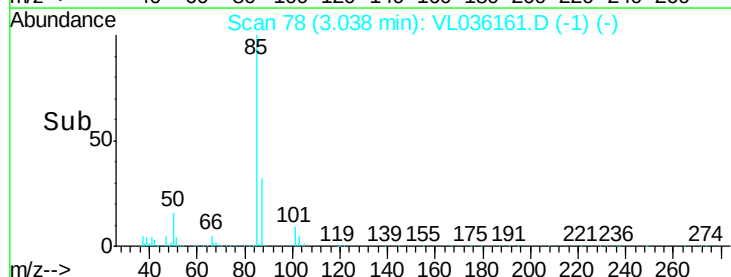


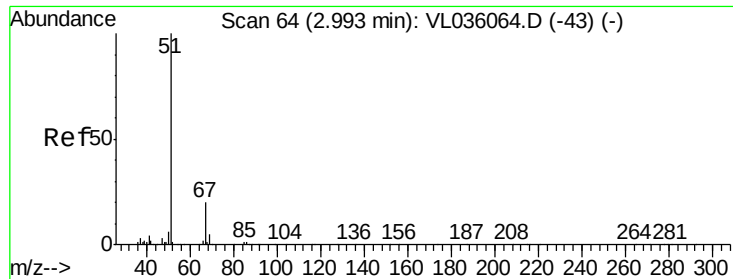
Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

3.04

Time-->





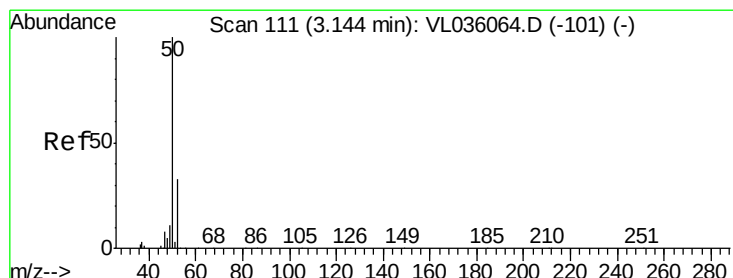
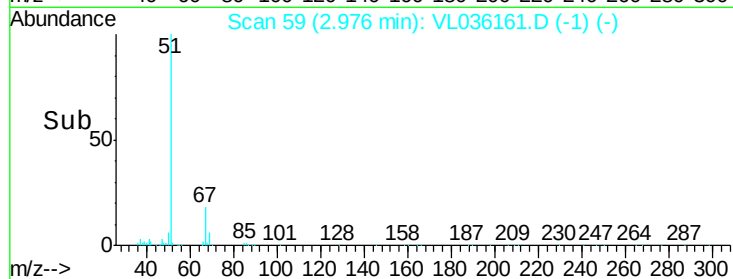
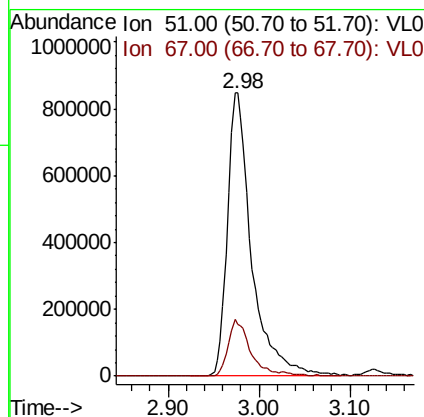
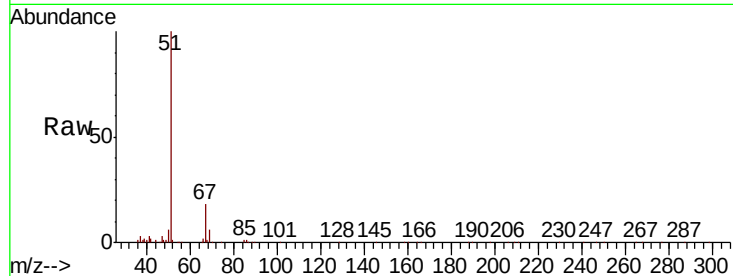
#3
Chlorodifluoromethane
Concen: 11.003 ppbv
RT: 2.98 min Scan# 59
Delta R.T. -0.02 min
Lab File: VL036161.D
Acq: 11 Dec 2020 12:36

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 51 Resp: 1565412
Ion Ratio Lower Upper
51 100
67 19.1 14.3 21.5

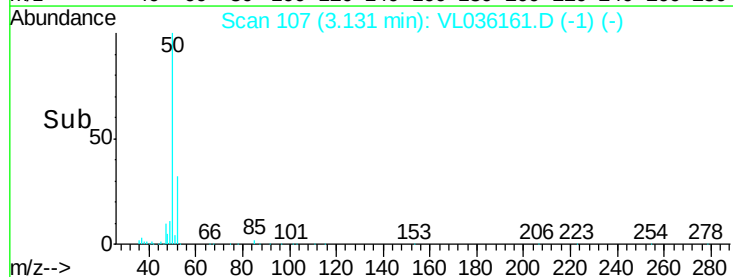
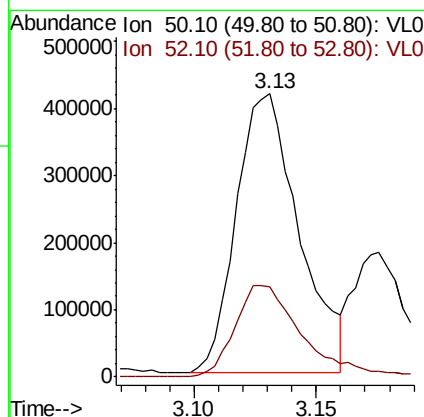
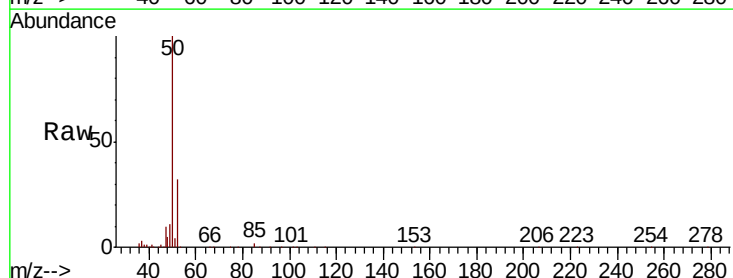
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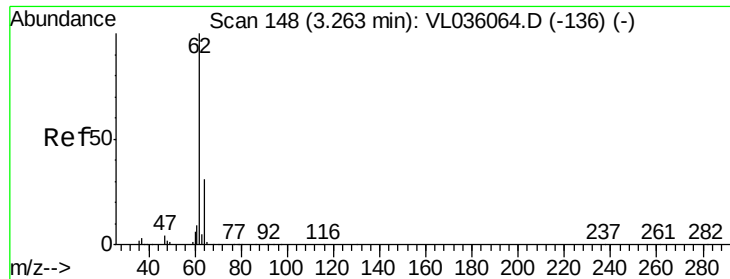
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#4
Chloromethane
Concen: 10.639 ppbv
RT: 3.13 min Scan# 107
Delta R.T. -0.01 min
Lab File: VL036161.D
Acq: 11 Dec 2020 12:36

Tgt Ion: 50 Resp: 743140
Ion Ratio Lower Upper
50 100
52 32.0 26.1 39.1





#5

Vinyl Chloride

Concen: 9.362 ppbv

RT: 3.25 min Scan# 143

Delta R.T. -0.02 min

Lab File: VL036161.D

Acq: 11 Dec 2020 12:36

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 62 Resp: 727485

Ion Ratio Lower Upper

62 100

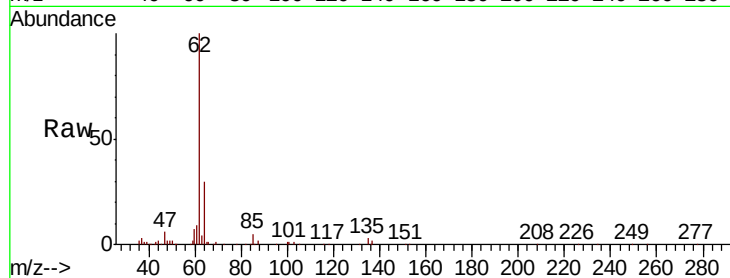
64 30.4 24.5 36.7

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Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0

3.25

400000

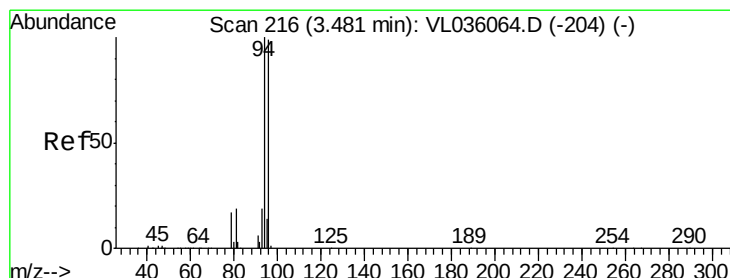
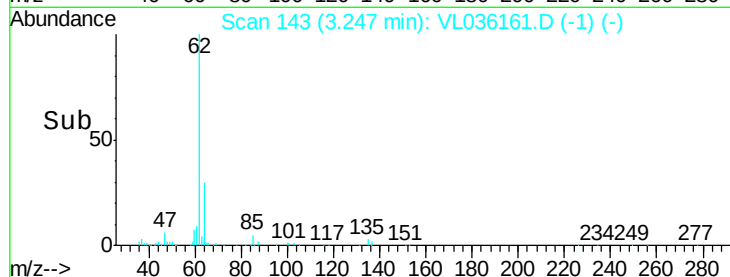
300000

200000

100000

0

Time-->



#6

Bromomethane

Concen: 9.090 ppbv

RT: 3.46 min Scan# 210

Delta R.T. -0.02 min

Lab File: VL036161.D

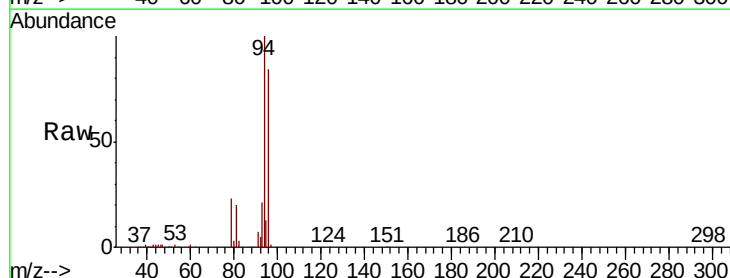
Acq: 11 Dec 2020 12:36

Tgt Ion: 94 Resp: 364488

Ion Ratio Lower Upper

94 100

96 83.4 79.4 119.0



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0

250000

200000

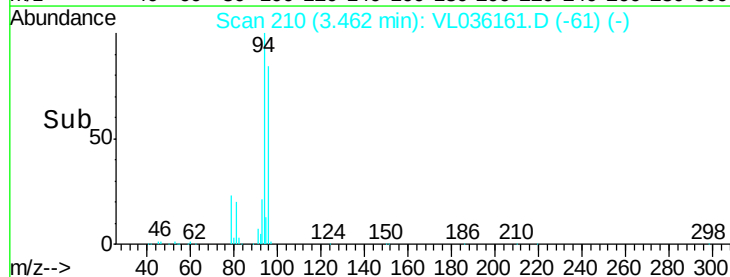
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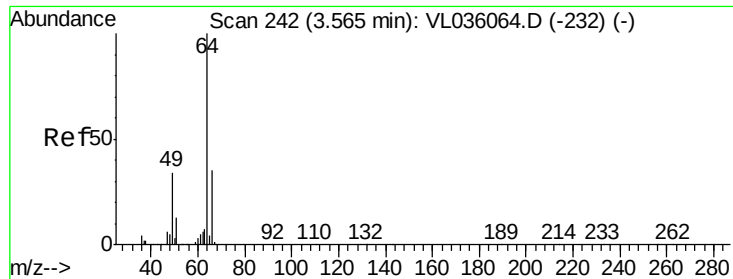
100000

50000

0

Time-->





#7

Chloroethane

Concen: 9.672 ppbv

RT: 3.55 min Scan# 236

Delta R.T. -0.02 min

Lab File: VL036161.D

Acq: 11 Dec 2020 12:36

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 64 Resp: 256019

Ion Ratio Lower Upper

64 100

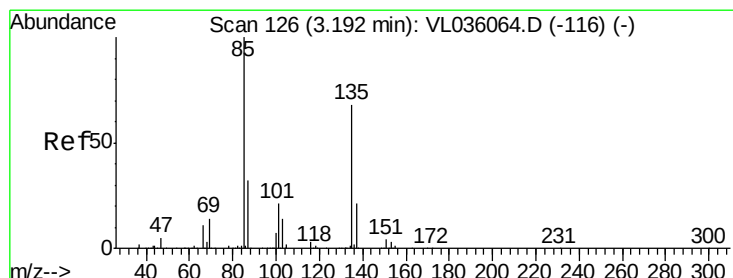
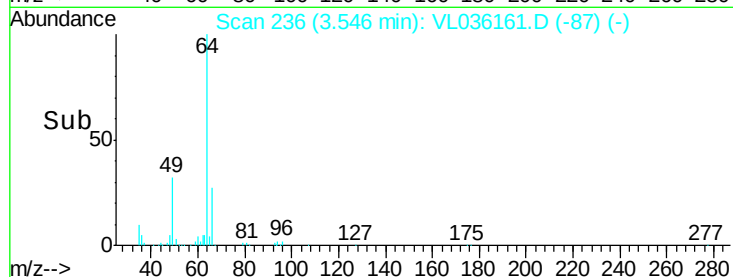
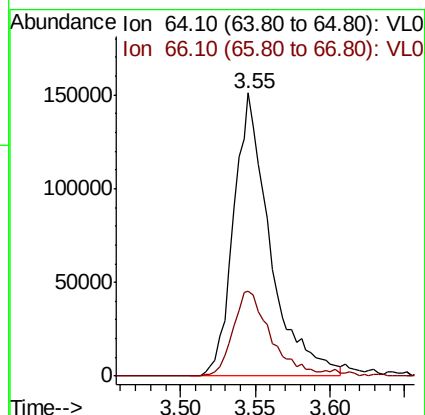
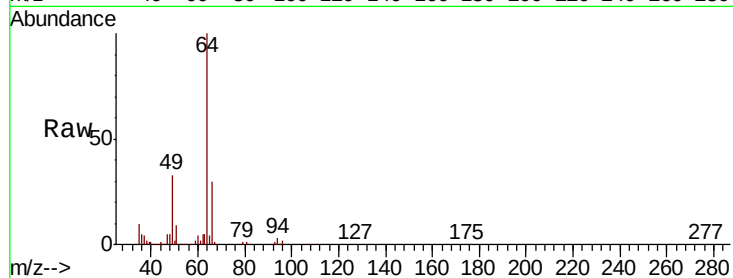
66 30.1 27.7 41.5

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#8

Dichlorotetrafluoroethane

Concen: 10.320 ppbv

RT: 3.18 min Scan# 121

Delta R.T. -0.02 min

Lab File: VL036161.D

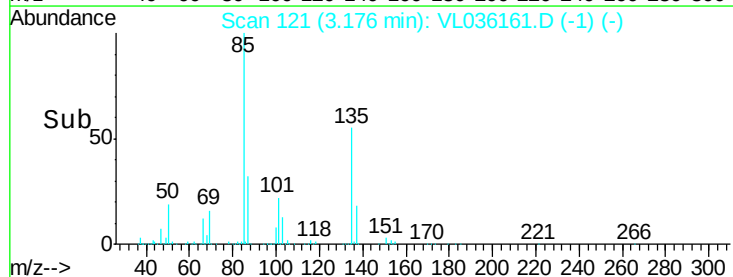
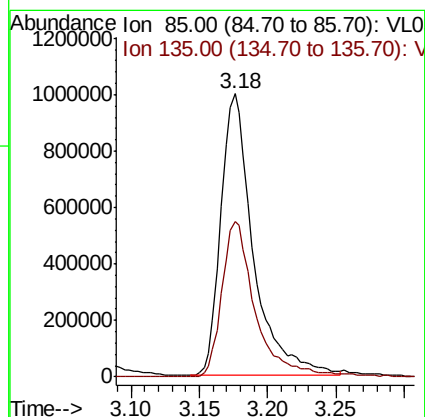
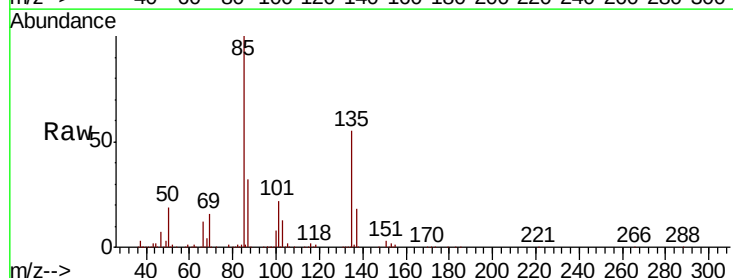
Acq: 11 Dec 2020 12:36

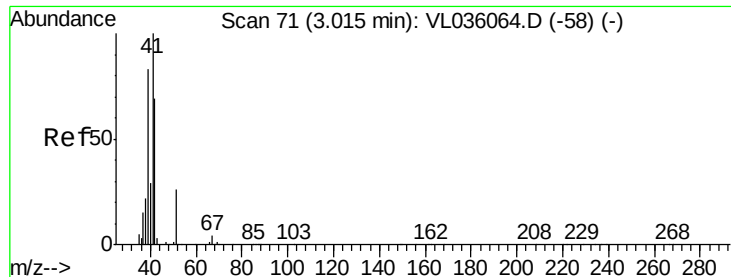
Tgt Ion: 85 Resp: 1666698

Ion Ratio Lower Upper

85 100

135 57.3 53.8 80.8





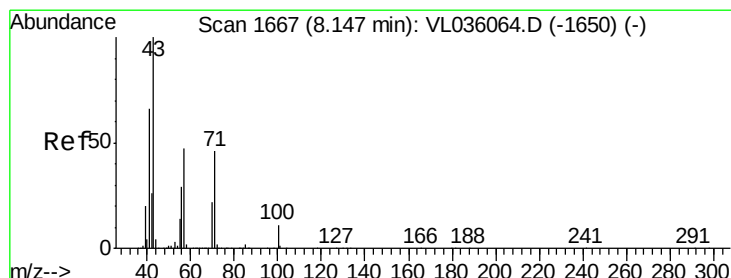
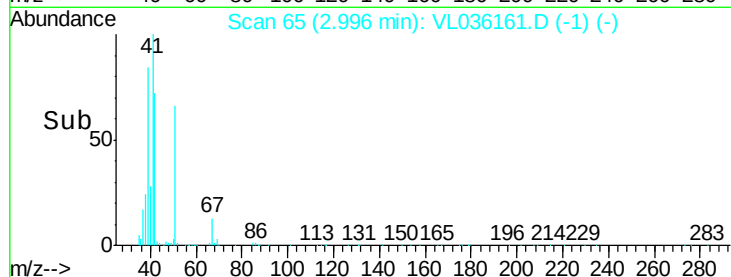
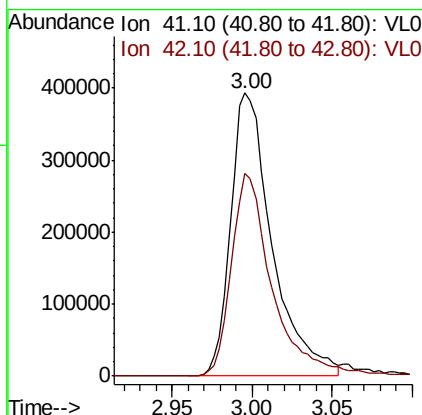
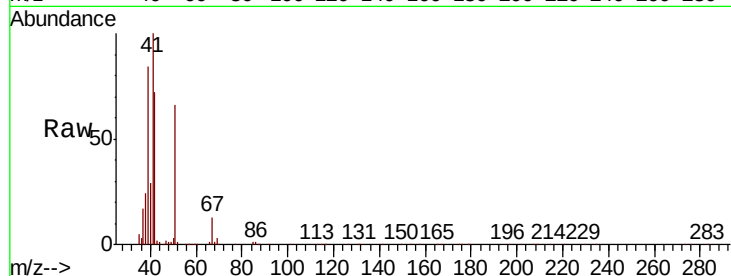
#9
 Propene
 Concen: 9.742 ppbv
 RT: 3.00 min Scan# 65
 Delta R.T. -0.02 min
 Lab File: VL036161.D
 Acq: 11 Dec 2020 12:36

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion: 41 Resp: 694302
 Ion Ratio Lower Upper
 41 100
 42 70.8 57.0 85.6

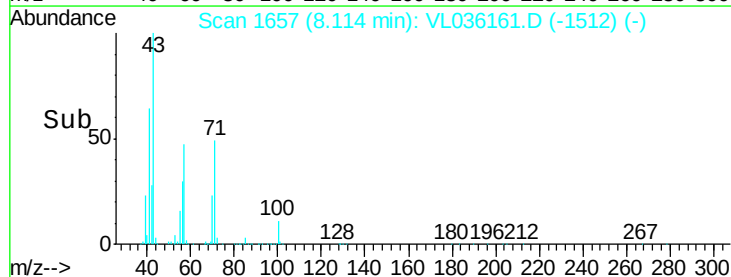
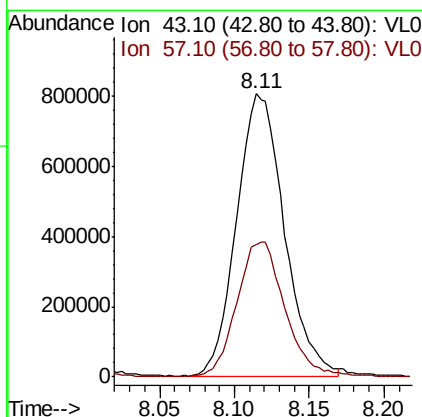
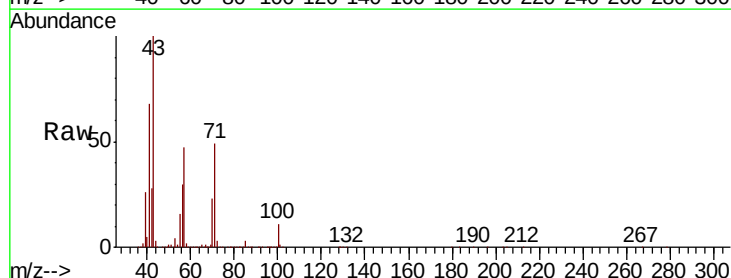
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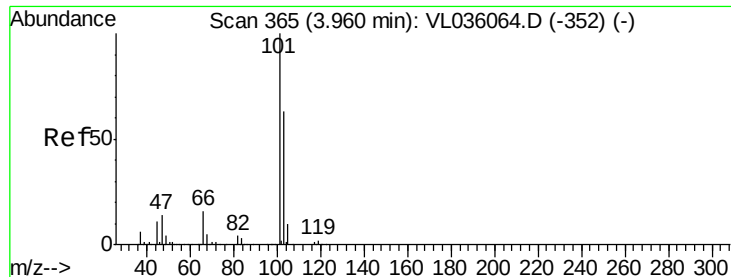
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#10
 Heptane
 Concen: 9.795 ppbv
 RT: 8.11 min Scan# 1657
 Delta R.T. -0.03 min
 Lab File: VL036161.D
 Acq: 11 Dec 2020 12:36

Tgt Ion: 43 Resp: 1782866
 Ion Ratio Lower Upper
 43 100
 57 48.3 37.9 56.9





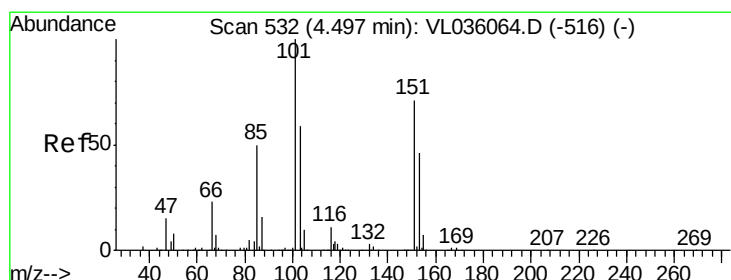
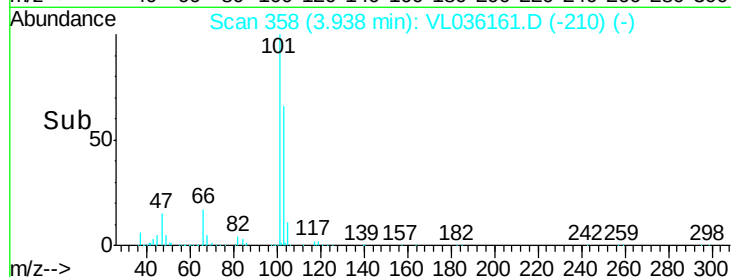
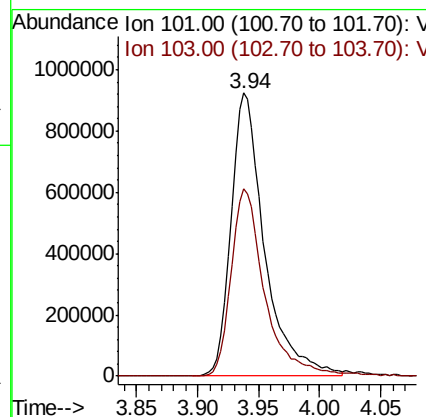
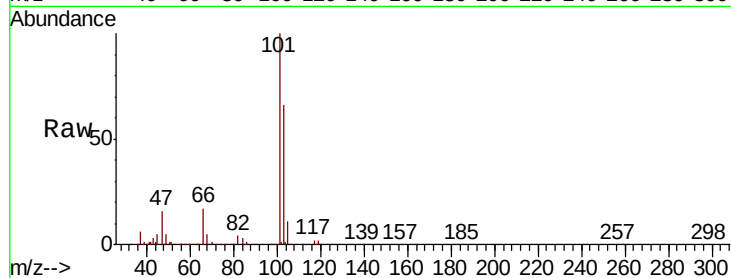
#11
 Trichlorofluoromethane
 Concen: 10.398 ppbv
 RT: 3.94 min Scan# 358
 Delta R.T. -0.02 min
 Lab File: VL036161.D
 Acq: 11 Dec 2020 12:36

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion:101 Resp: 1776646
 Ion Ratio Lower Upper
 101 100
 103 66.1 50.3 75.5

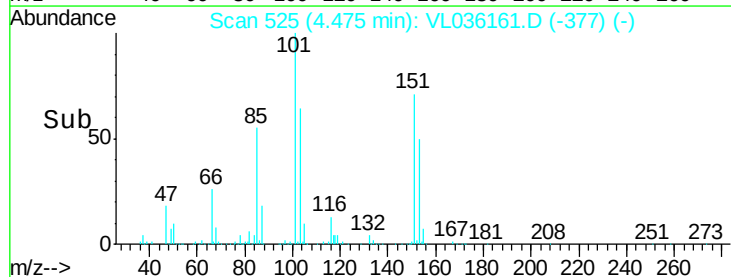
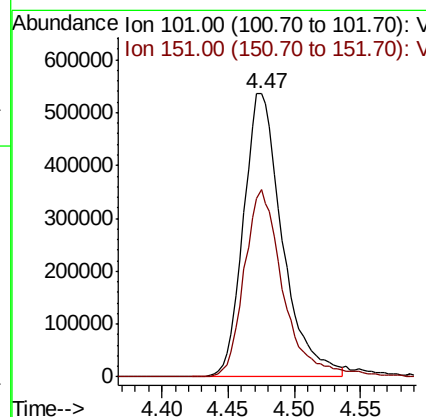
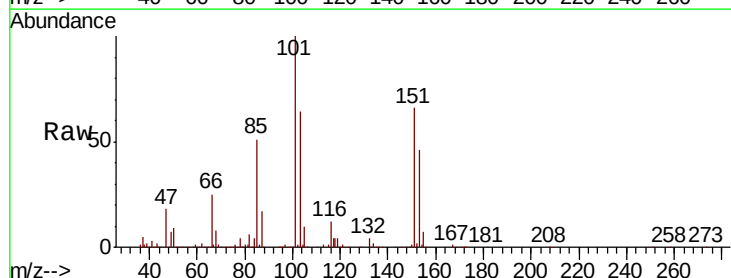
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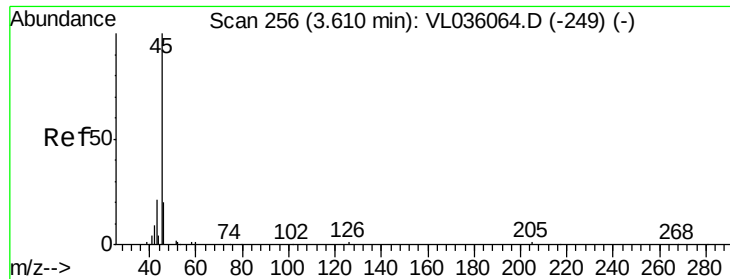
MMDadoda
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#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.452 ppbv
 RT: 4.47 min Scan# 525
 Delta R.T. -0.02 min
 Lab File: VL036161.D
 Acq: 11 Dec 2020 12:36

Tgt Ion:101 Resp: 1096775
 Ion Ratio Lower Upper
 101 100
 151 66.9 59.3 88.9





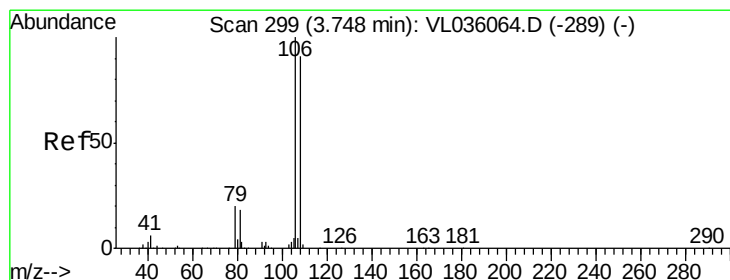
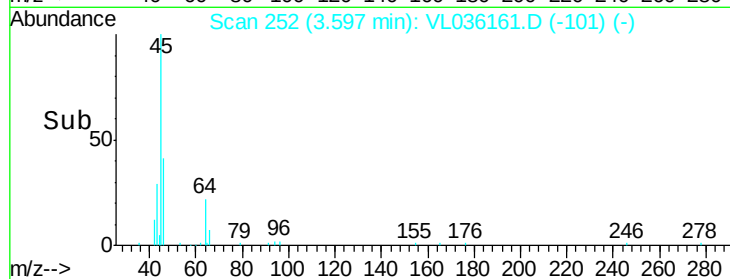
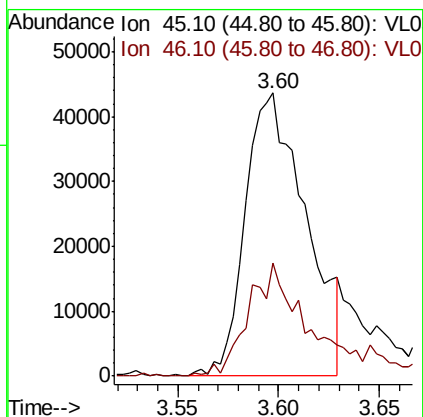
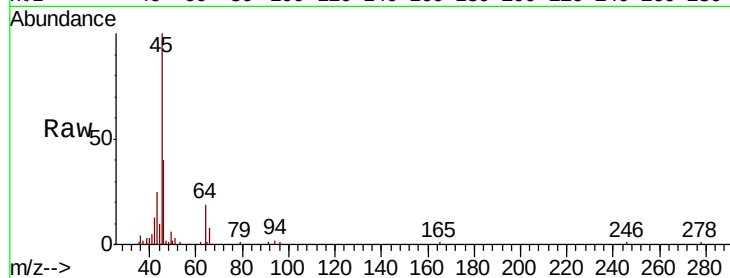
#13
Ethanol
Concen: 9.237 ppbv m
RT: 3.60 min Scan# 252
Delta R.T. -0.01 min
Lab File: VL036161.D
Acq: 11 Dec 2020 12:36

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	45	Resp	90757
Ion Ratio	100	Lower	Upper
46	47.0	19.0	75.8

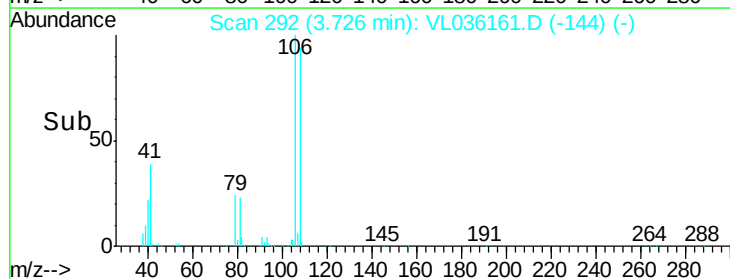
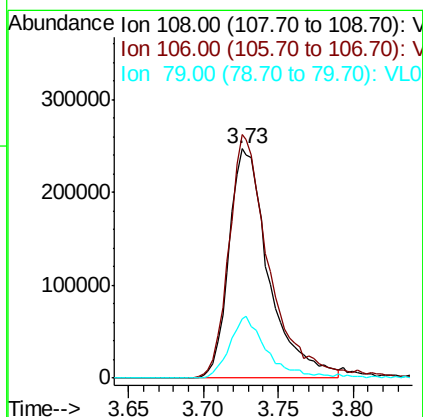
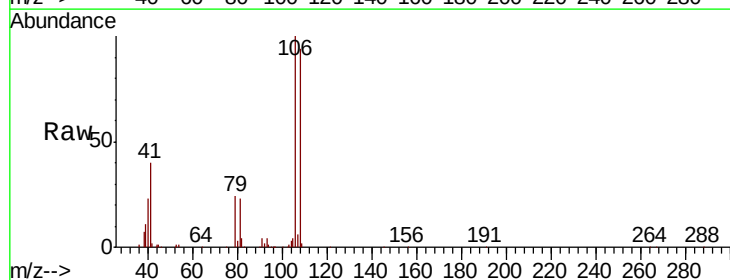
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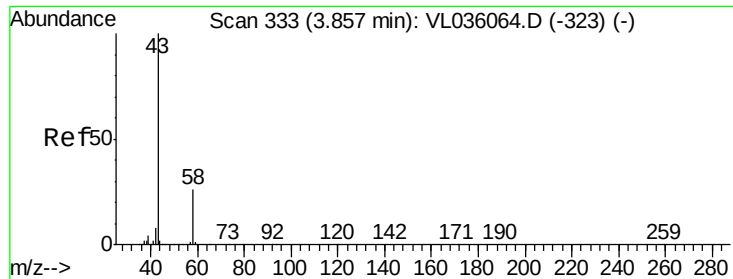
MMDadoda
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#14
Bromoethene
Concen: 9.635 ppbv
RT: 3.73 min Scan# 292
Delta R.T. -0.02 min
Lab File: VL036161.D
Acq: 11 Dec 2020 12:36

Tgt Ion	108	Resp	458634
Ion Ratio	100	Lower	Upper
106	108.9	91.0	136.4
79	25.6	19.3	28.9





#15

Acetone

Concen: 10.263 ppbv

RT: 3.84 min Scan# 327

Delta R.T. -0.02 min

Lab File: VL036161.D

Acq: 11 Dec 2020 12:36

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 43 Resp: 1538118

Ion Ratio Lower Upper

43 100

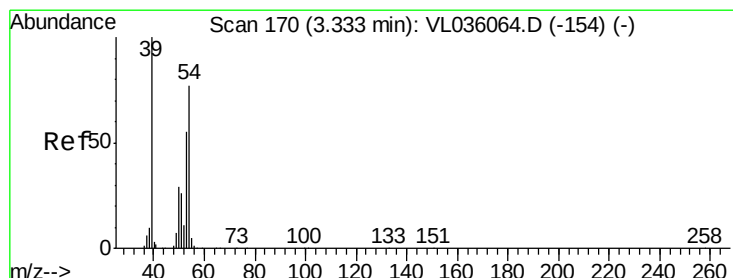
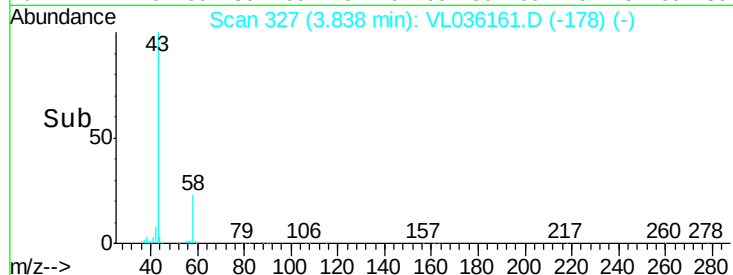
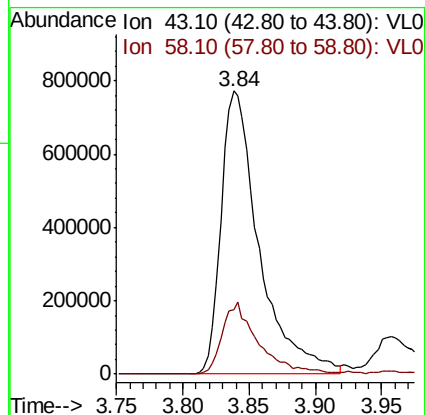
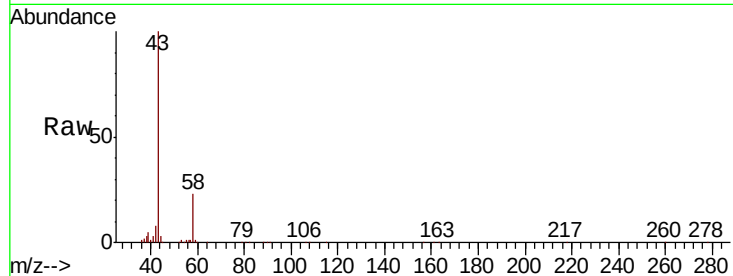
58 24.4 20.9 31.3

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12/15/2020 4:52:19 PM



#16

1,3-Butadiene

Concen: 9.503 ppbv

RT: 3.31 min Scan# 164

Delta R.T. -0.02 min

Lab File: VL036161.D

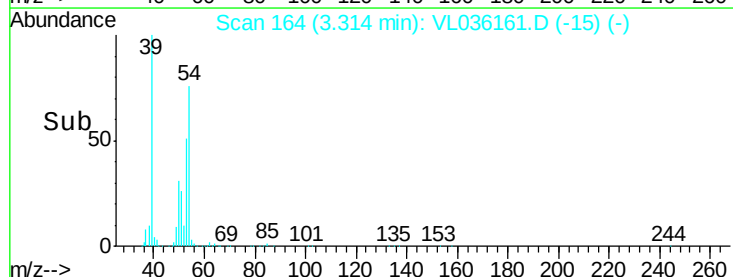
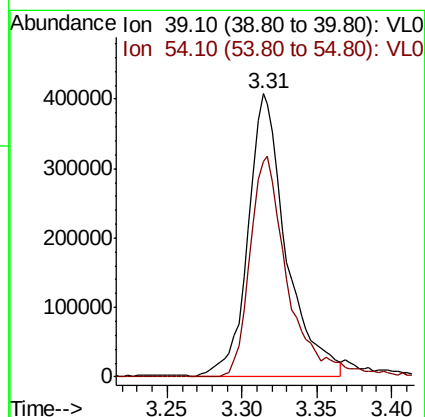
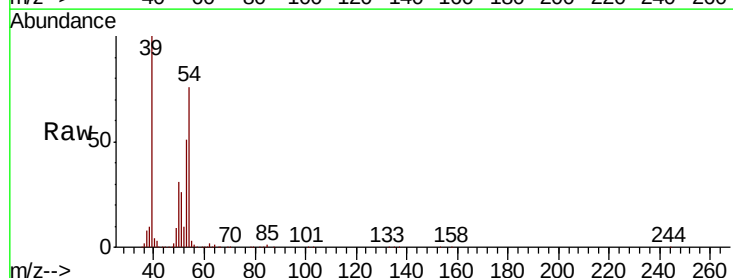
Acq: 11 Dec 2020 12:36

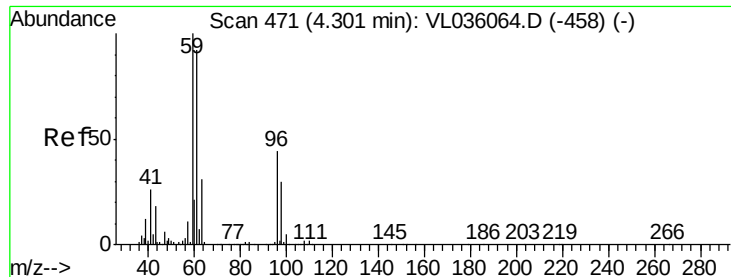
Tgt Ion: 39 Resp: 717332

Ion Ratio Lower Upper

39 100

54 79.3 62.1 93.1





#17

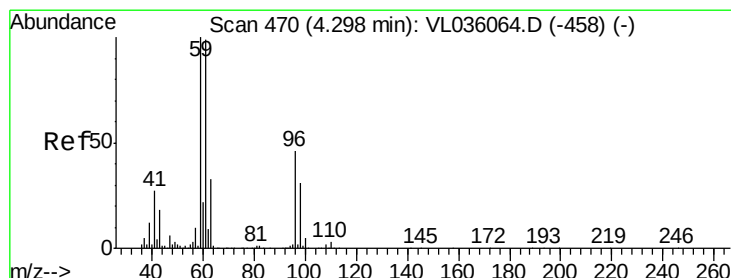
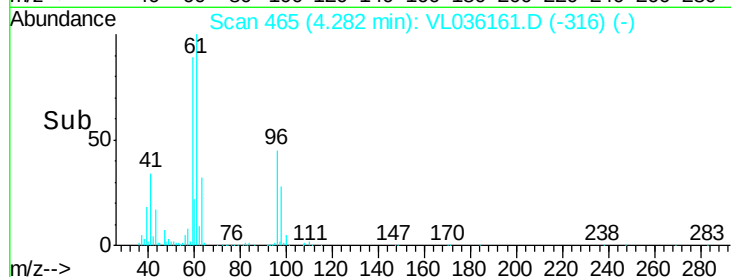
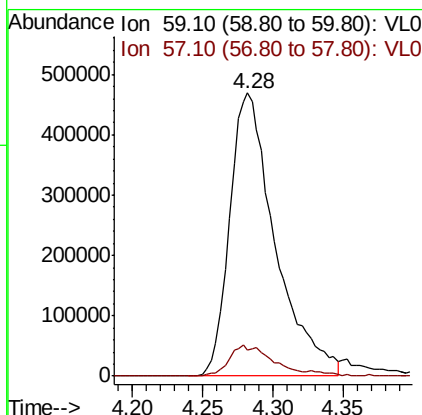
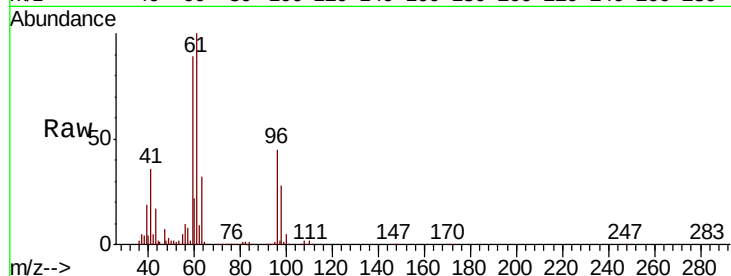
tert-Butyl alcohol
Concen: 7.299 ppbv
RT: 4.28 min Scan# 465
Delta R.T. -0.02 min
Lab File: VL036161.D
Acq: 11 Dec 2020 12:36

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 59 Resp: 1059610
Ion Ratio Lower Upper
59 100
57 11.4 8.7 13.1

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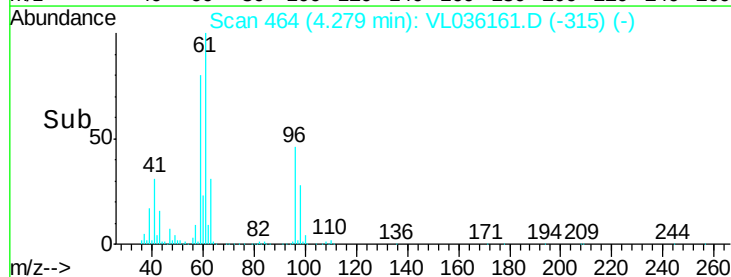
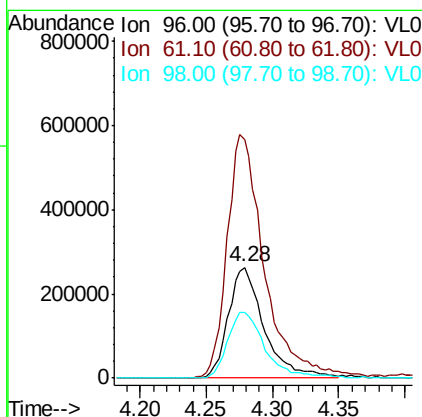
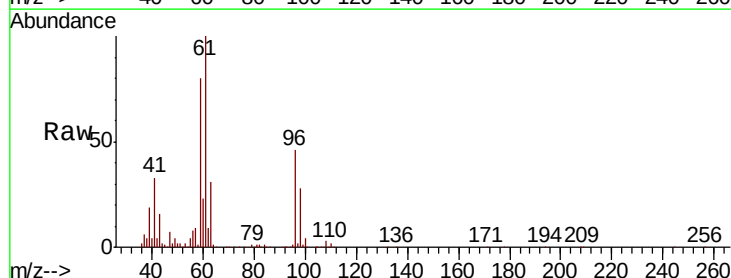
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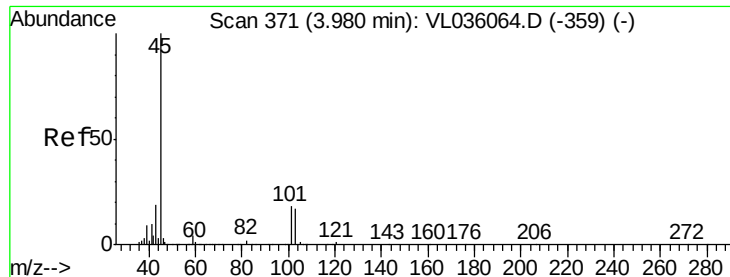


#18

1,1-Dichloroethene
Concen: 9.591 ppbv
RT: 4.28 min Scan# 464
Delta R.T. -0.02 min
Lab File: VL036161.D
Acq: 11 Dec 2020 12:36

Tgt Ion: 96 Resp: 494107
Ion Ratio Lower Upper
96 100
61 215.2 171.4 257.2
98 59.1 54.2 81.2





#19

Isopropyl Alcohol

Concen: 7.947 ppbv

RT: 3.96 min Scan# 364

Delta R.T. -0.02 min

Lab File: VL036161.D

Acq: 11 Dec 2020 12:36

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 45 Resp: 727912

Ion Ratio Lower Upper

45 100

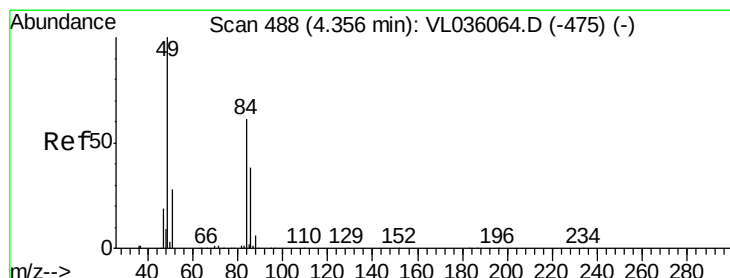
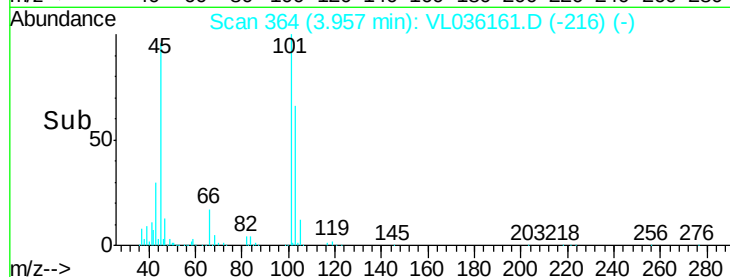
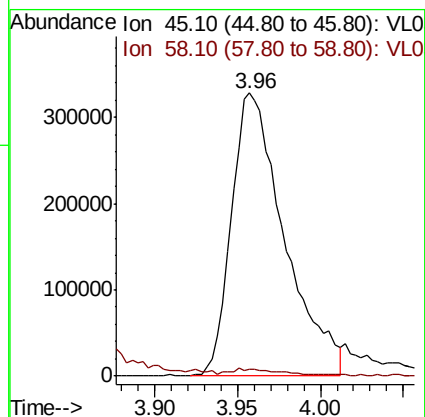
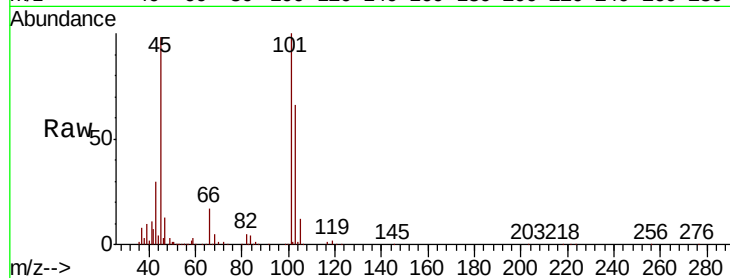
58 3.2 0.0 0.0#

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12/15/2020 4:52:19 PM



#20

Methylene Chloride

Concen: 6.854 ppbv m

RT: 4.33 min Scan# 481

Delta R.T. -0.02 min

Lab File: VL036161.D

Acq: 11 Dec 2020 12:36

Tgt Ion: 84 Resp: 420956

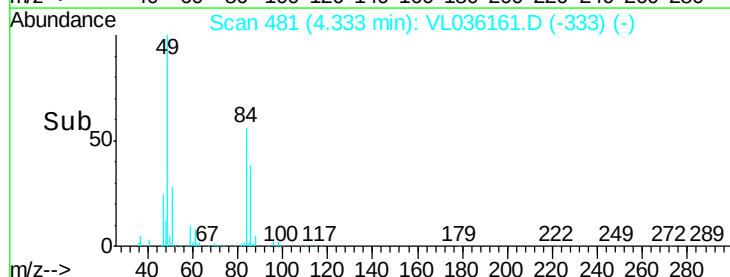
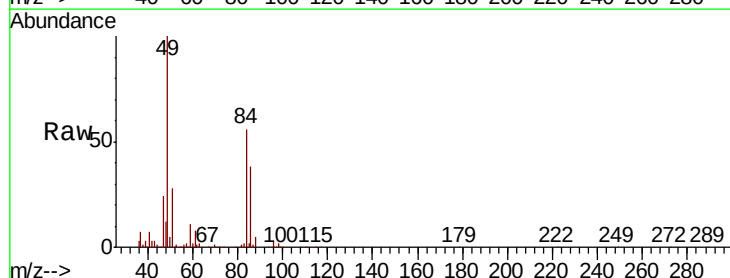
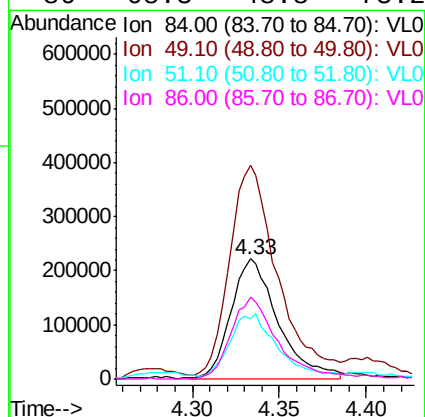
Ion Ratio Lower Upper

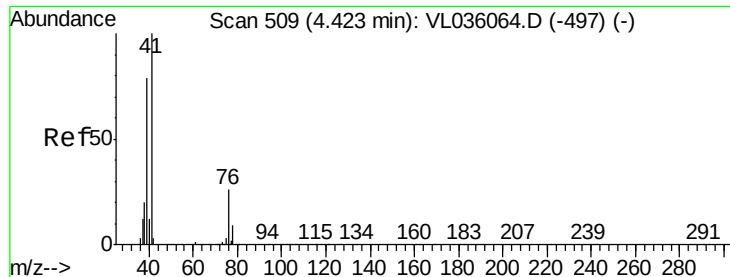
84 100

49 178.1 133.0 199.4

51 50.6 38.9 58.3

86 68.3 48.8 73.2





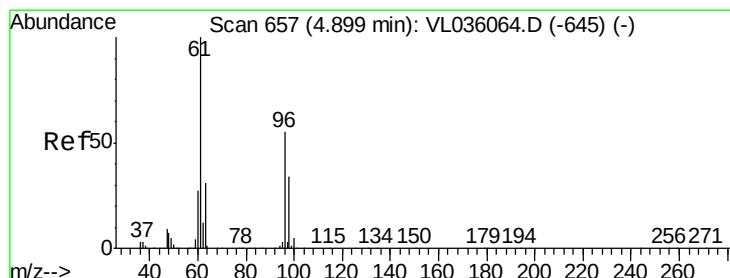
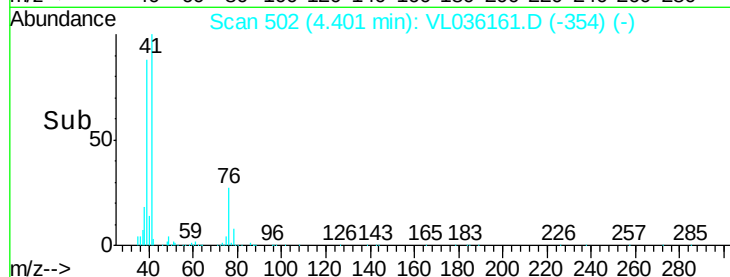
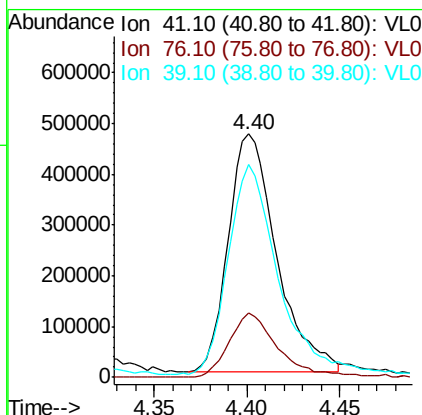
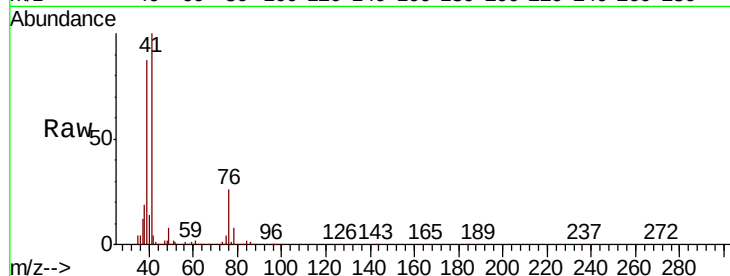
#21
Allvl Chloride
Concen: 8.583 ppbv
RT: 4.40 min Scan# 502
Delta R.T. -0.02 min
Lab File: VL036161.D
Acq: 11 Dec 2020 12:36

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
41	100		
76	27.5	21.0	31.4
39	93.1	66.0	99.0

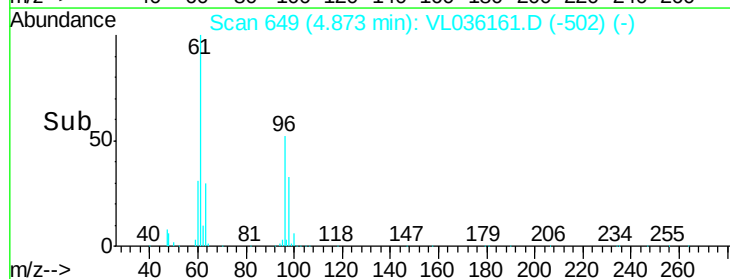
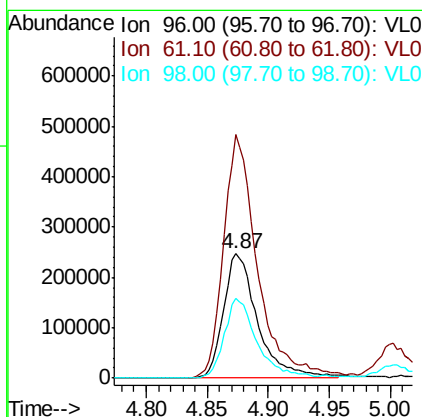
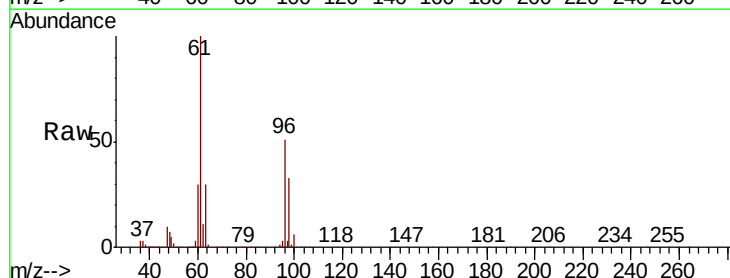
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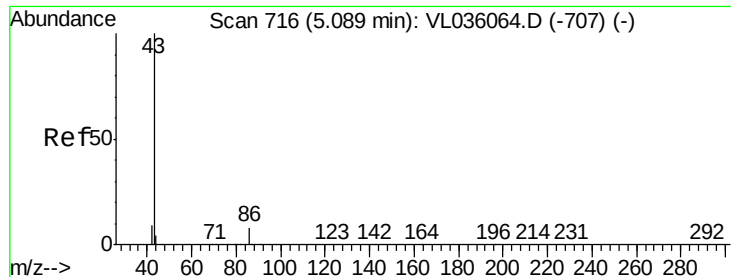
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#22
trans-1,2-Dichloroethene
Concen: 9.414 ppbv
RT: 4.87 min Scan# 649
Delta R.T. -0.03 min
Lab File: VL036161.D
Acq: 11 Dec 2020 12:36

Tgt Ion	Ratio	Lower	Upper
96	100		
61	195.8	145.7	218.5
98	64.1	49.2	73.8





#23

Vinyl Acetate

Concen: 9.758 ppbv

RT: 5.07 min Scan# 709

Delta R.T. -0.02 min

Lab File: VL036161.D

Acq: 11 Dec 2020 12:36

Instrument :

MSVOA_L

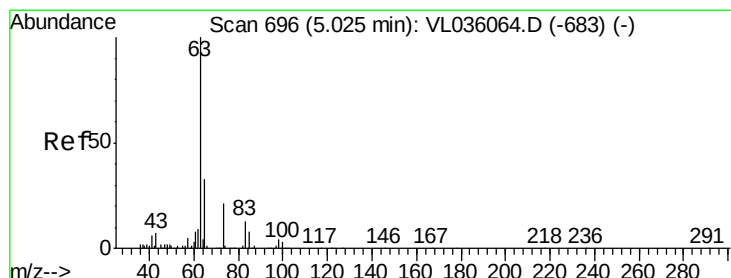
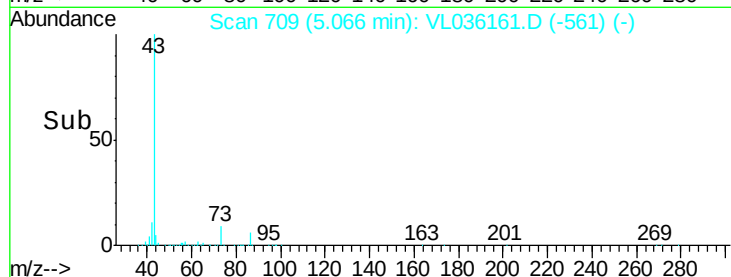
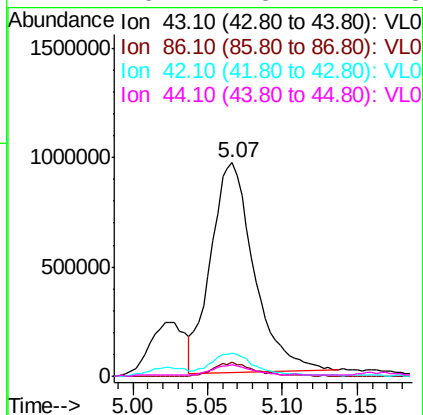
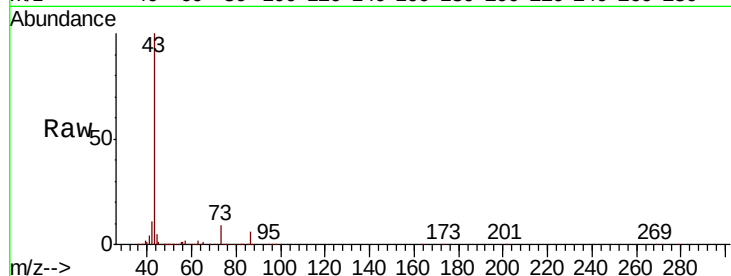
ClientSampleId :

VSTDCCC010EC

Tot Ion	43	Resp	1947034
Ion	Ratio	Lower	Upper
43	100		
86	6.4	5.0	7.4
42	10.8	7.8	11.6
44	5.1	3.2	4.8#

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#24

1,1-Dichloroethane

Concen: 9.526 ppbv

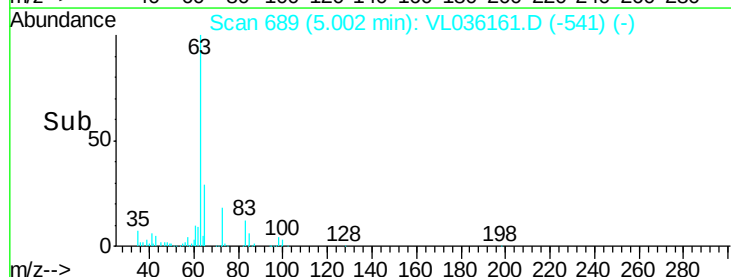
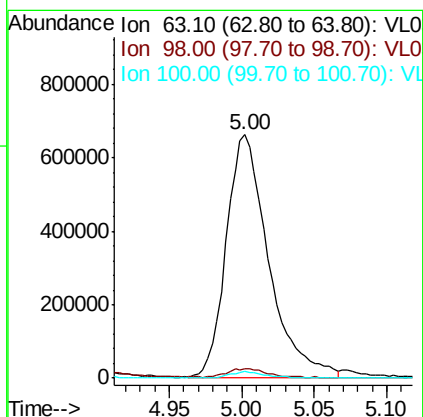
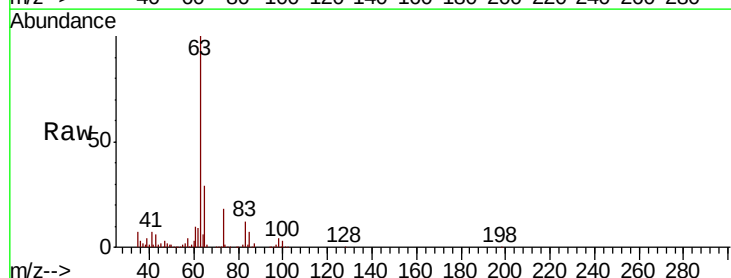
RT: 5.00 min Scan# 689

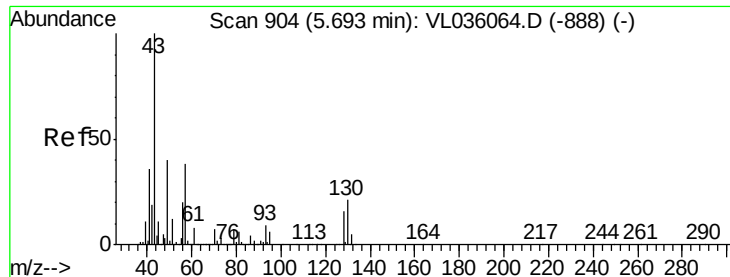
Delta R.T. -0.02 min

Lab File: VL036161.D

Acq: 11 Dec 2020 12:36

Tgt Ion	63	Resp	1336865
Ion	Ratio	Lower	Upper
63	100		
98	4.0	2.2	6.6
100	3.0	1.5	4.4





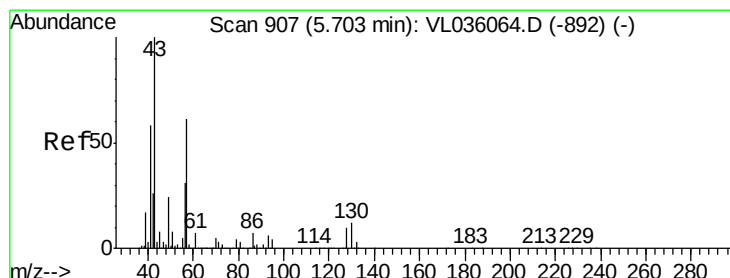
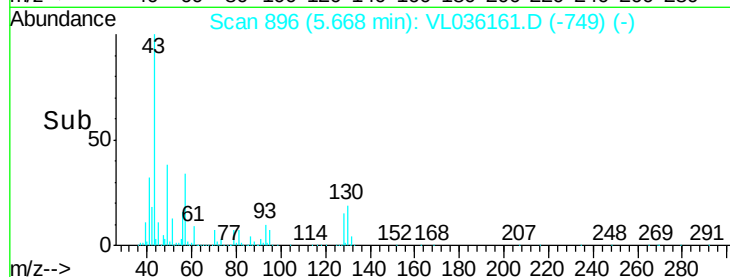
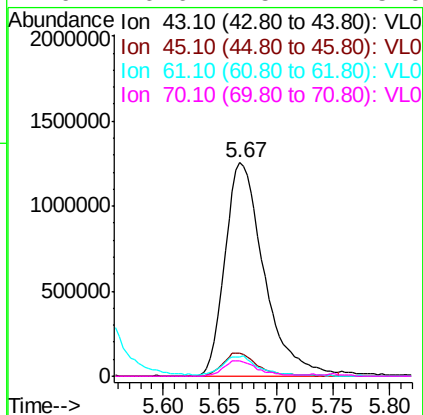
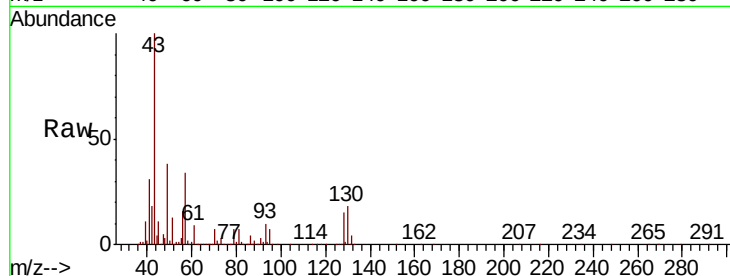
#25
Ethyl Acetate
Concen: 10.071 ppbv
RT: 5.67 min Scan# 896
Delta R.T. -0.03 min
Lab File: VL036161.D
Acq: 11 Dec 2020 12:36

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	43	Resp	3015398
Ion	Ratio	Lower	Upper
43	100		
45	10.2	8.2	12.4
61	9.3	7.4	11.2
70	6.6	5.4	8.0

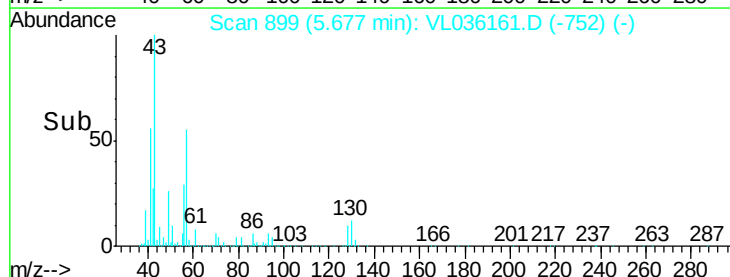
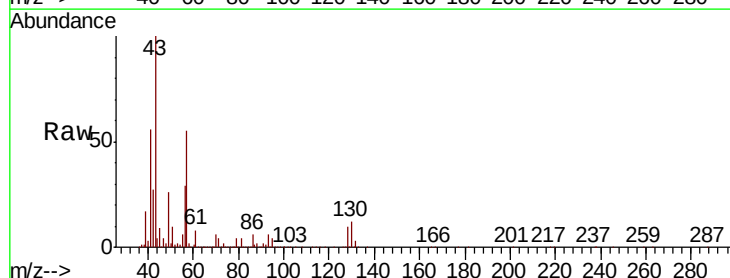
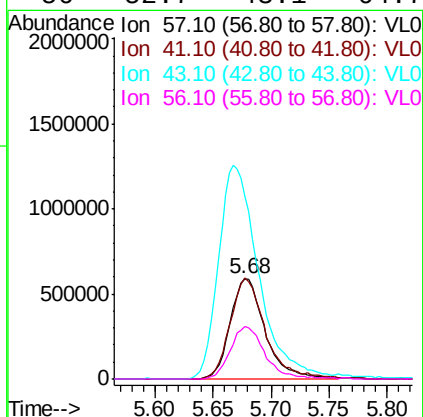
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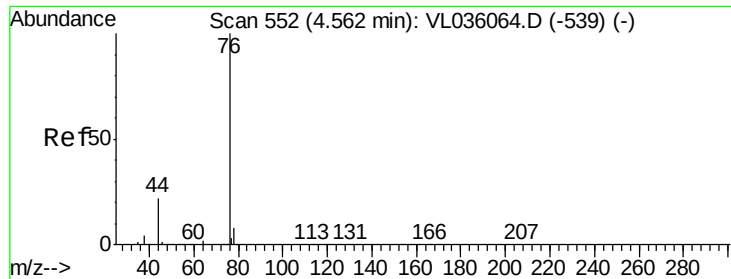
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#26
Hexane
Concen: 9.169 ppbv
RT: 5.68 min Scan# 899
Delta R.T. -0.03 min
Lab File: VL036161.D
Acq: 11 Dec 2020 12:36

Tgt Ion	57	Resp	1235438
Ion	Ratio	Lower	Upper
57	100		
41	103.5	82.9	124.3
43	248.4	199.9	299.9
56	52.7	43.1	64.7





#27

Carbon Disulfide

Concen: 8.882 ppbv

RT: 4.54 min Scan# 545

Delta R.T. -0.02 min

Lab File: VL036161.D

Acq: 11 Dec 2020 12:36

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 76 Resp: 1189498

Ion Ratio Lower Upper

76 100

44 25.9 17.9 26.9

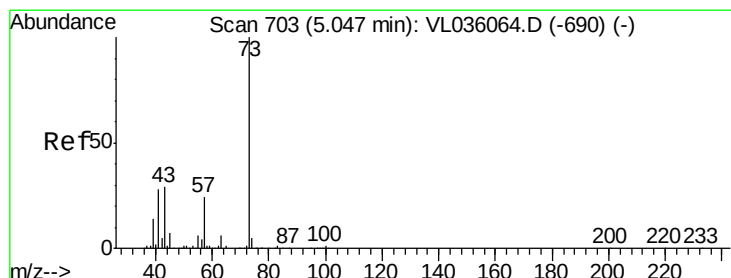
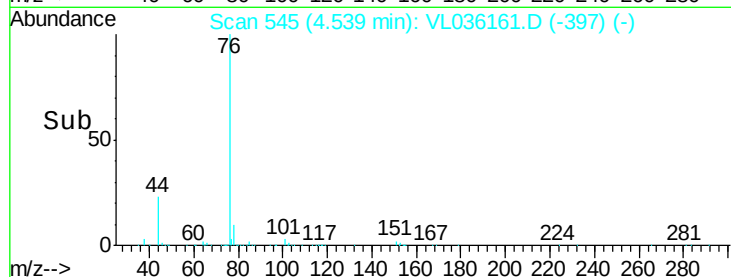
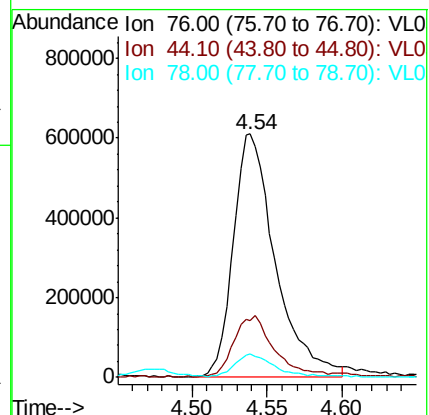
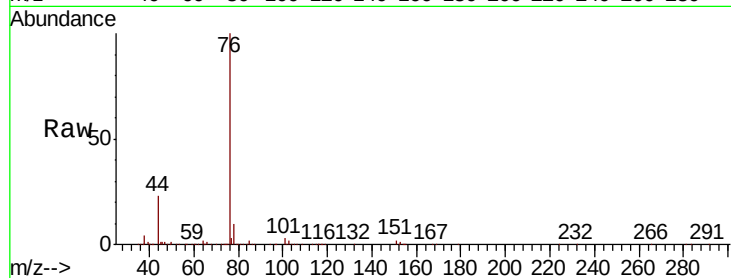
78 9.6 7.8 11.8

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#28

Methyl tert-Butyl Ether

Concen: 8.796 ppbv

RT: 5.02 min Scan# 696

Delta R.T. -0.02 min

Lab File: VL036161.D

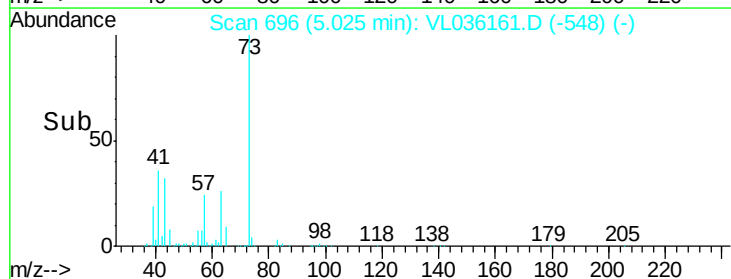
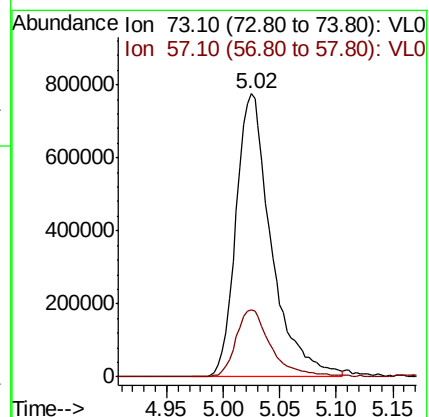
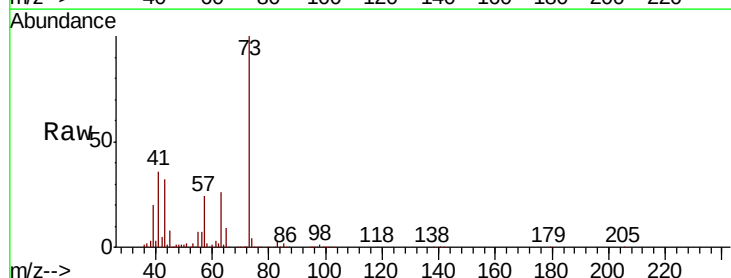
Acq: 11 Dec 2020 12:36

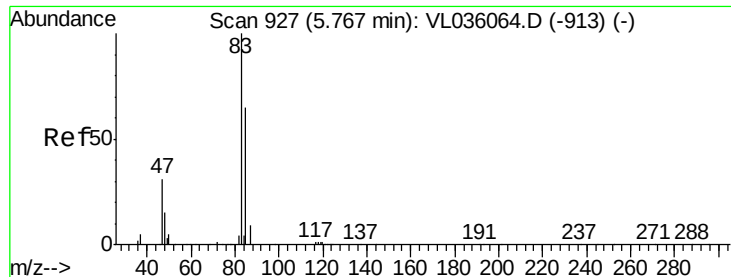
Tgt Ion: 73 Resp: 1685056

Ion Ratio Lower Upper

73 100

57 23.8 19.2 28.8





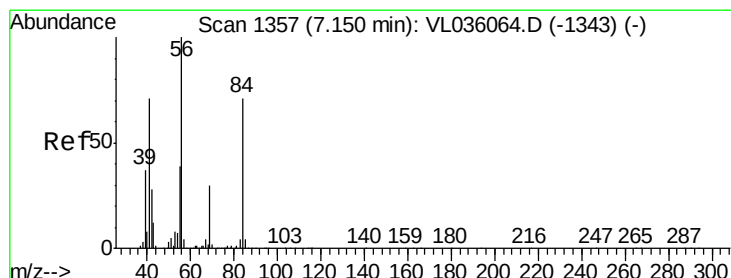
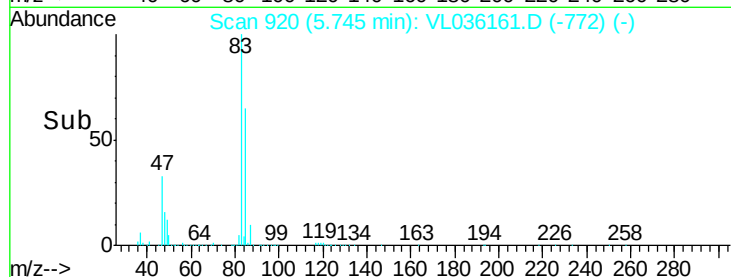
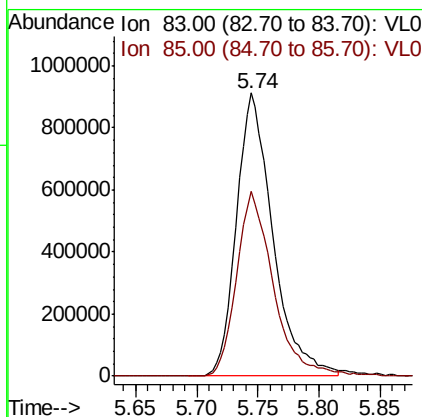
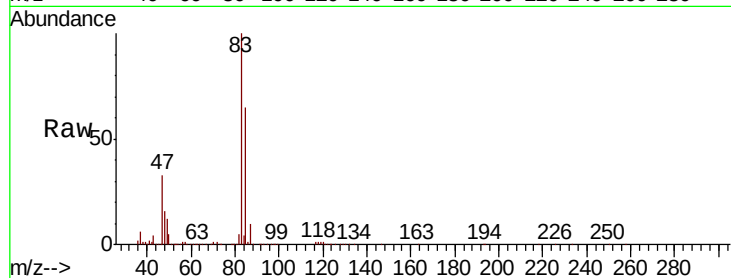
#29
Chloroform
Concen: 10.659 ppbv
RT: 5.74 min Scan# 920
Delta R.T. -0.02 min
Lab File: VL036161.D
Acq: 11 Dec 2020 12:36

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 83 Resp: 1886024
Ion Ratio Lower Upper
83 100
85 65.2 51.8 77.6

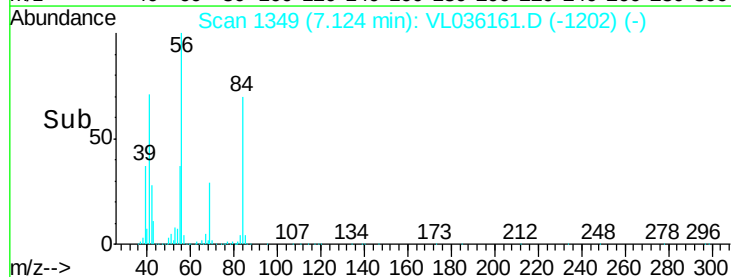
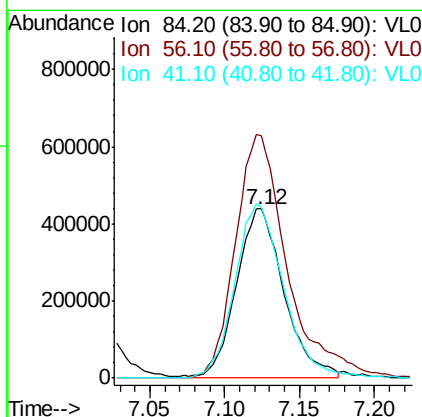
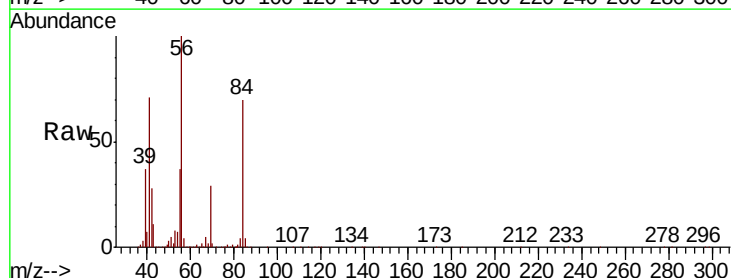
Manual Integrations
APPROVED

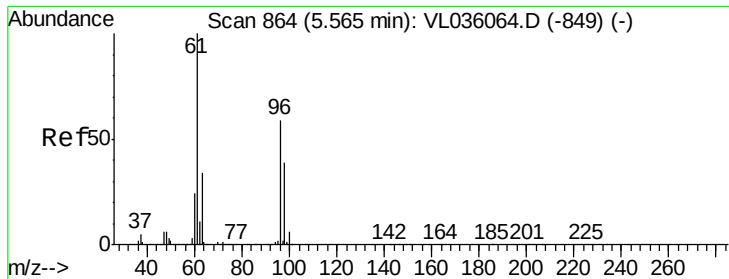
MMDadoda
12/15/2020 4:52:19 PM



#30
Cyclohexane
Concen: 9.782 ppbv
RT: 7.12 min Scan# 1349
Delta R.T. -0.03 min
Lab File: VL036161.D
Acq: 11 Dec 2020 12:36

Tgt Ion: 84 Resp: 968289
Ion Ratio Lower Upper
84 100
56 158.0 128.0 192.0
41 106.3 81.3 121.9





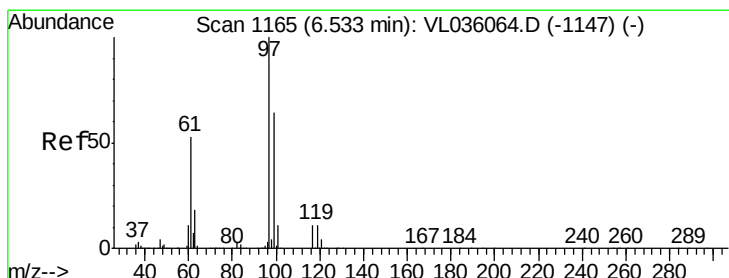
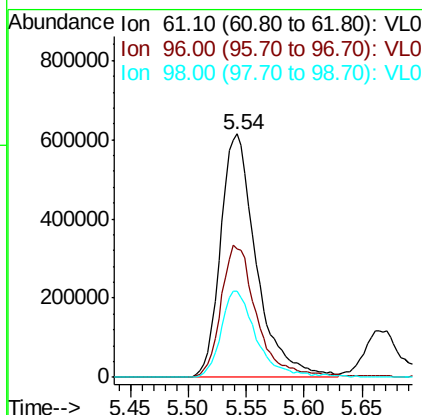
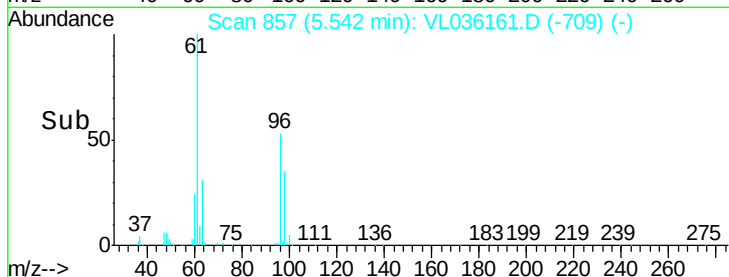
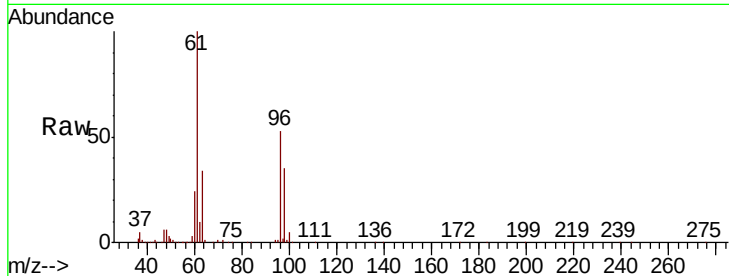
#31
 cis-1,2-Dichloroethene
 Concen: 10.672 ppbv
 RT: 5.54 min Scan# 857
 Delta R.T. -0.02 min
 Lab File: VL036161.D
 Acq: 11 Dec 2020 12:36

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
61	100		
96	52.5	47.3	70.9
98	35.0	31.4	47.0

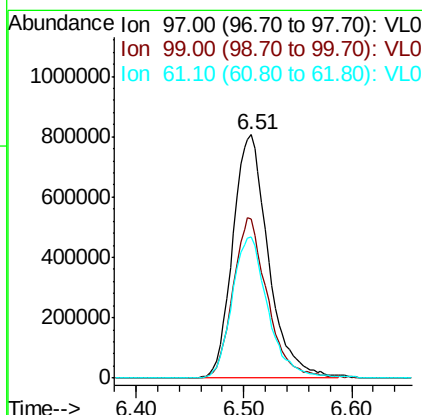
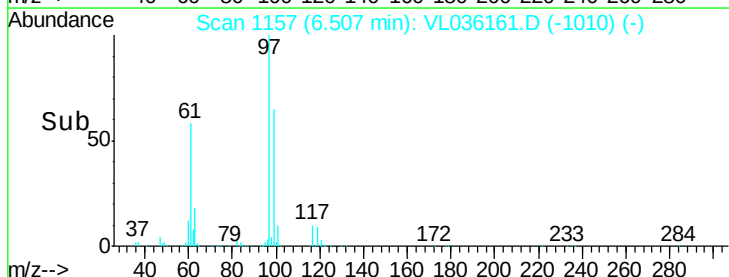
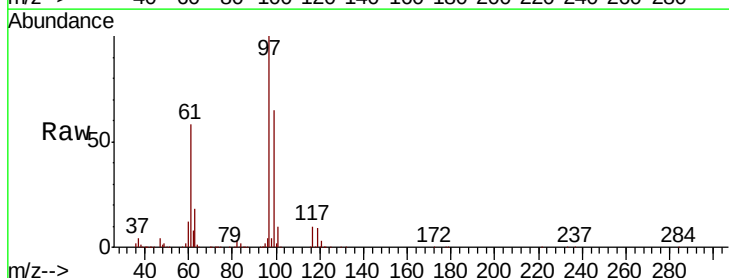
Manual Integrations
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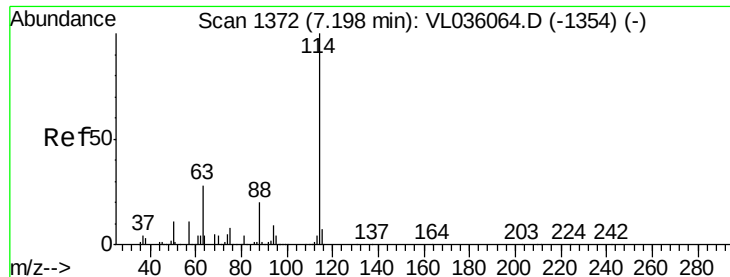
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#32
 1,1,1-Trichloroethane
 Concen: 10.124 ppbv
 RT: 6.51 min Scan# 1157
 Delta R.T. -0.03 min
 Lab File: VL036161.D
 Acq: 11 Dec 2020 12:36

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.8	52.4	78.6
61	58.8	43.4	65.0





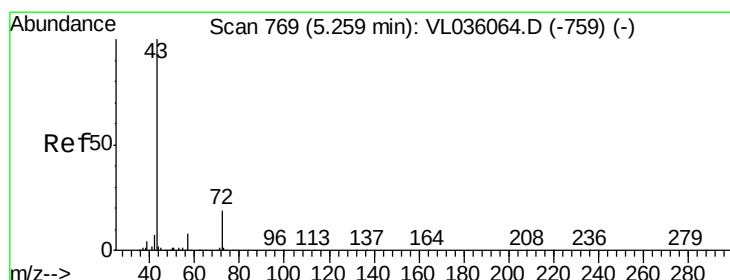
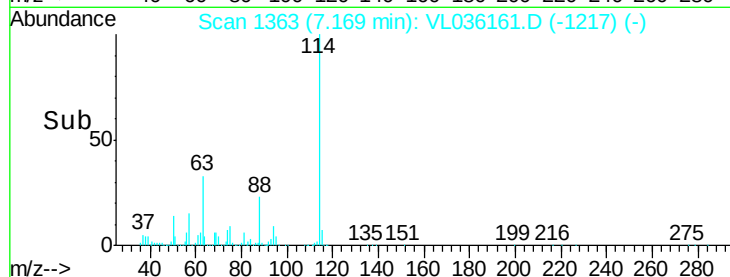
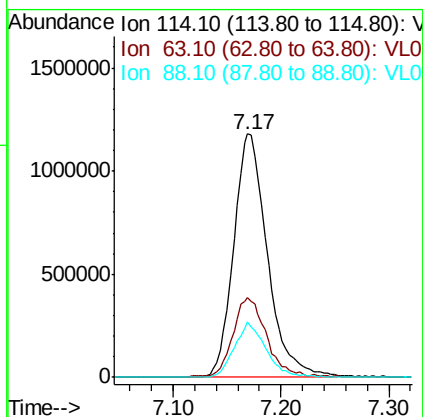
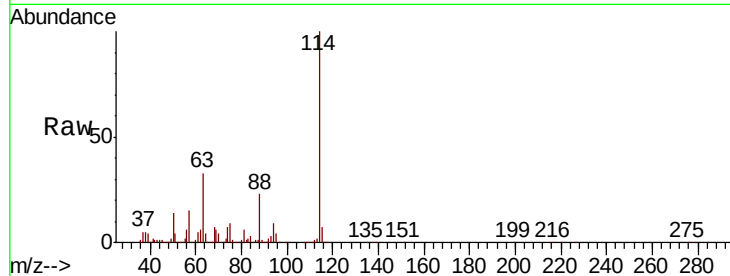
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.17 min Scan# 1363
 Delta R.T. -0.03 min
 Lab File: VL036161.D
 Acq: 11 Dec 2020 12:36

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
114	100		
63	33.2	23.6	35.4
88	21.5	15.8	23.6

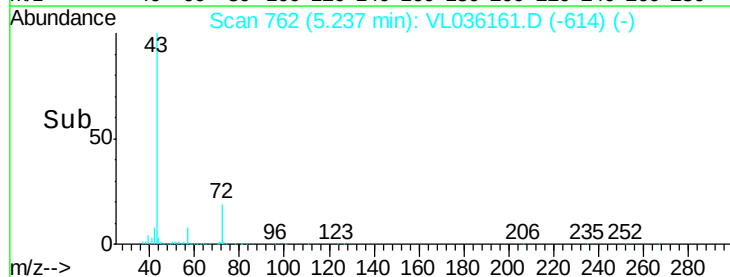
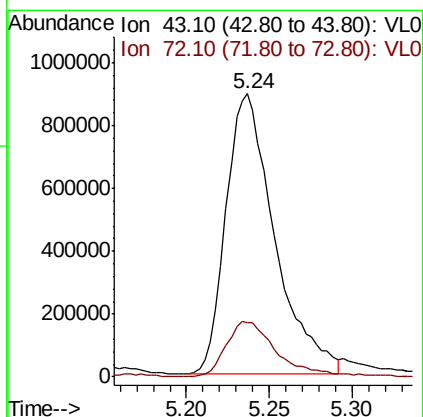
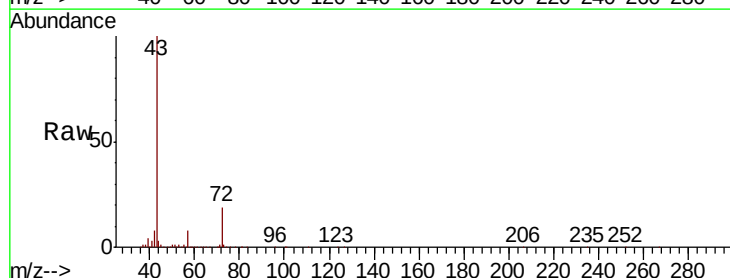
Manual Integrations
 APPROVED

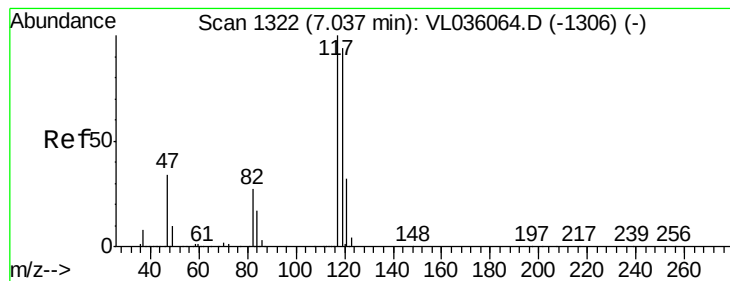
MMDadoda
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#34
 2-Butanone
 Concen: 10.726 ppbv
 RT: 5.24 min Scan# 762
 Delta R.T. -0.02 min
 Lab File: VL036161.D
 Acq: 11 Dec 2020 12:36

Tgt Ion	Ratio	Lower	Upper
43	100		
72	21.0	16.5	24.7





#35

Carbon Tetrachloride

Concen: 11.769 ppbv

RT: 7.01 min Scan# 1314

Delta R.T. -0.03 min

Lab File: VL036161.D

Acq: 11 Dec 2020 12:36

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 117 Resp: 1763120

Ion Ratio Lower Upper

117 100

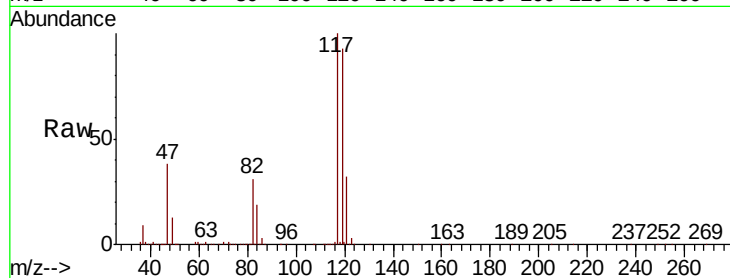
119 92.5 75.1 112.7

121 31.7 25.6 38.4

Manual Integrations
APPROVED

MMDadoda

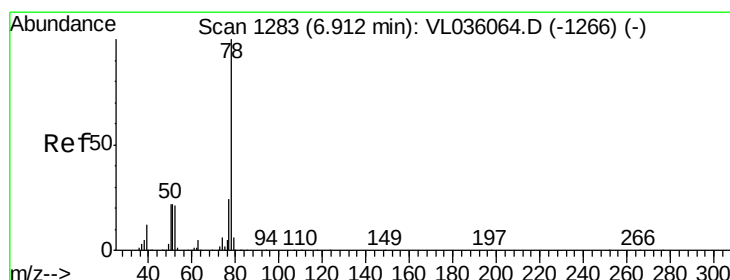
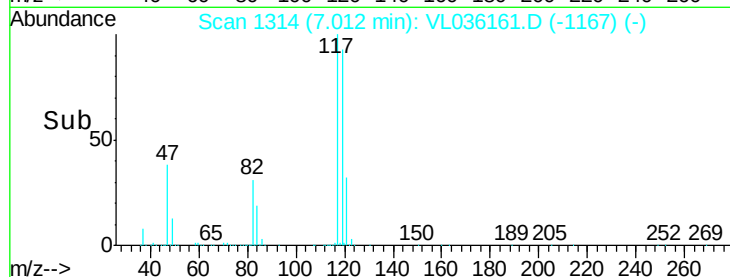
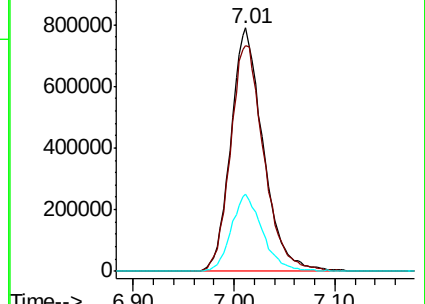
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Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#36

Benzene

Concen: 11.246 ppbv

RT: 6.89 min Scan# 1275

Delta R.T. -0.03 min

Lab File: VL036161.D

Acq: 11 Dec 2020 12:36

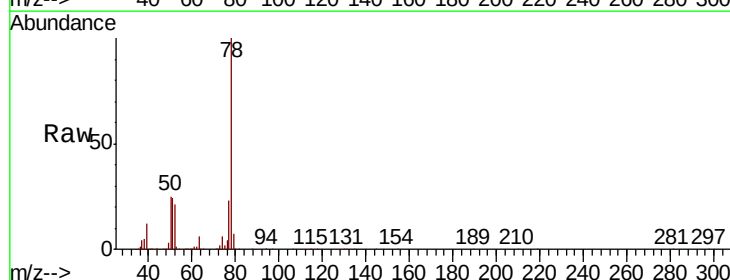
Tgt Ion: 78 Resp: 2448345

Ion Ratio Lower Upper

78 100

77 23.4 19.4 29.2

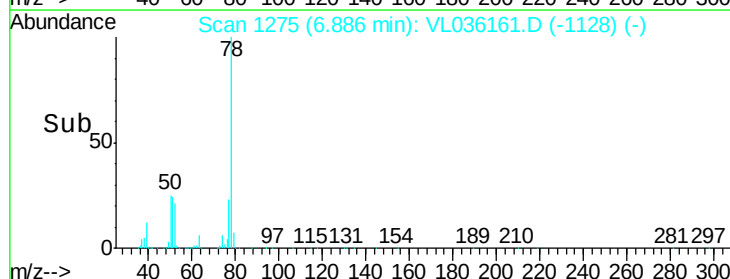
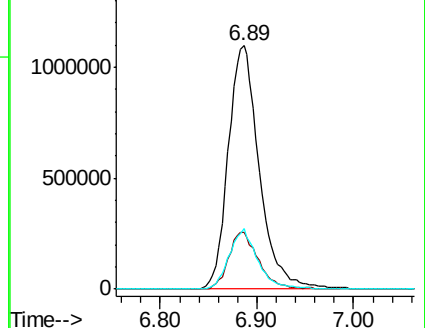
50 24.6 17.8 26.8

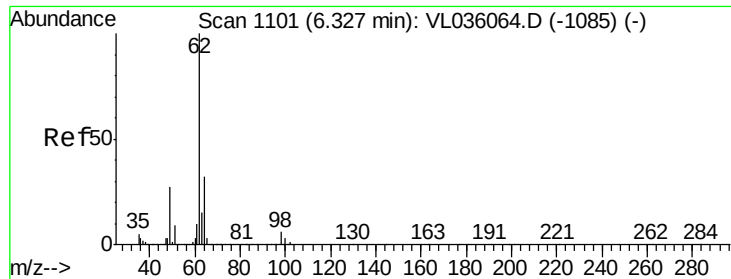


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0





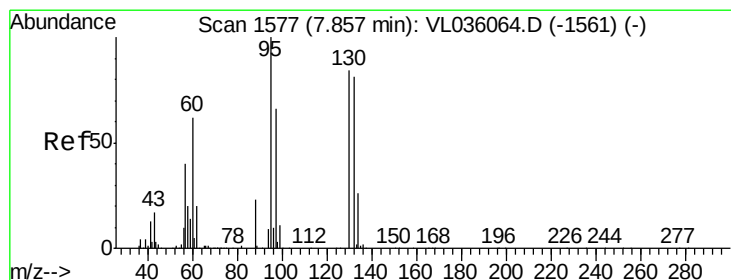
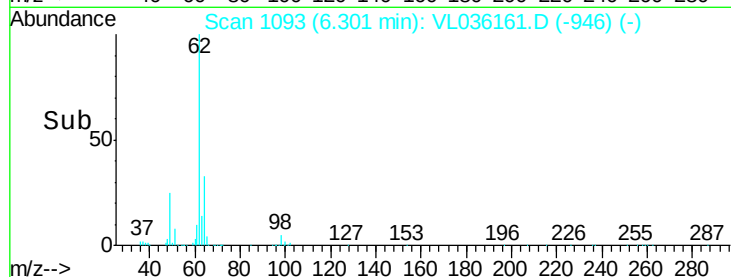
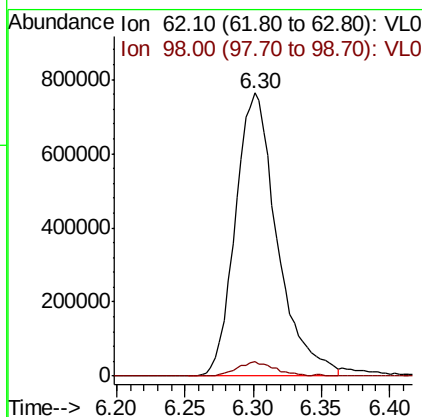
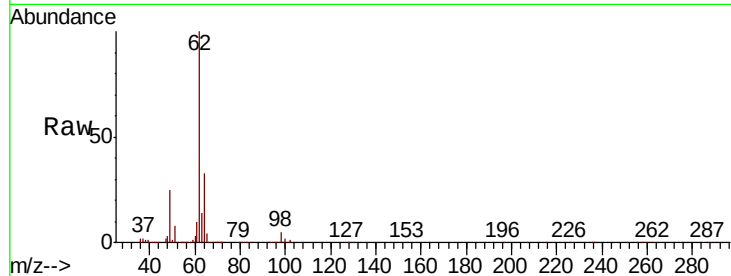
#37
 1,2-Dichloroethane
 Concen: 12.894 ppbv
 RT: 6.30 min Scan# 1093
 Delta R.T. -0.03 min
 Lab File: VL036161.D
 Acq: 11 Dec 2020 12:36

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
62	100		
98	4.9	4.6	7.0

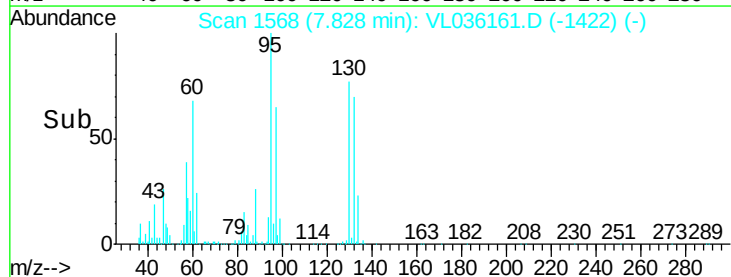
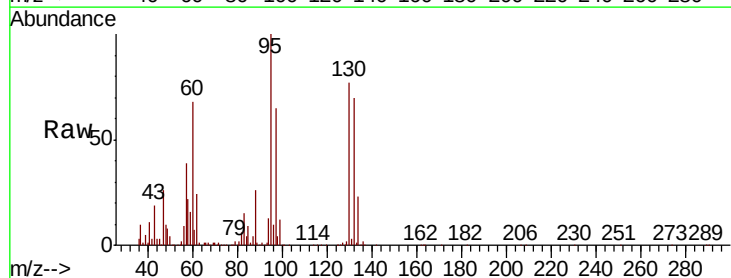
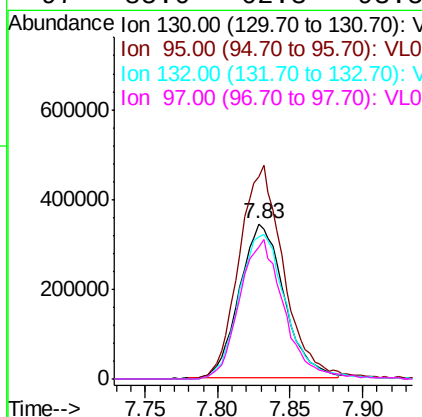
Manual Integrations
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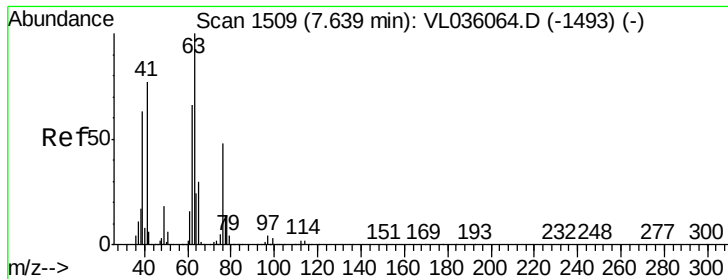
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#38
 Trichloroethene
 Concen: 9.109 ppbv
 RT: 7.83 min Scan# 1568
 Delta R.T. -0.03 min
 Lab File: VL036161.D
 Acq: 11 Dec 2020 12:36

Tgt Ion	Ratio	Lower	Upper
130	100		
95	131.3	95.2	142.8
132	91.9	76.9	115.3
97	85.0	62.3	93.5





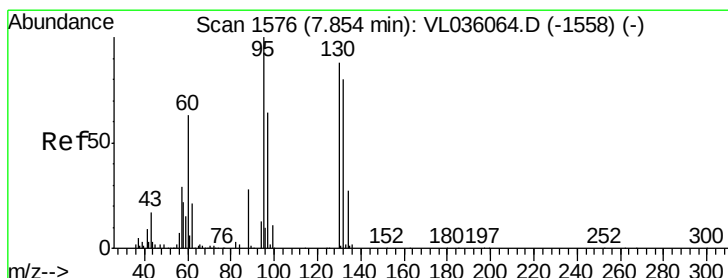
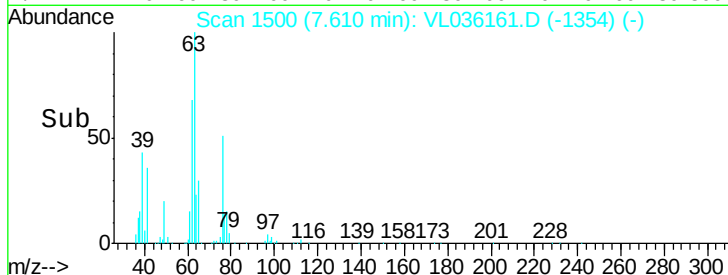
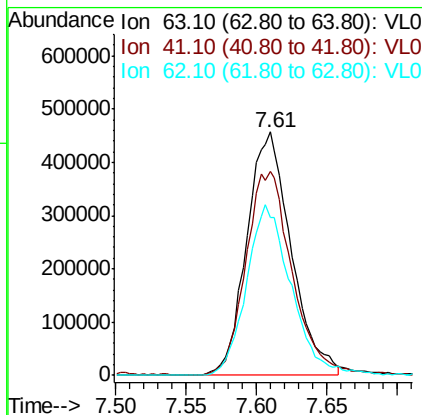
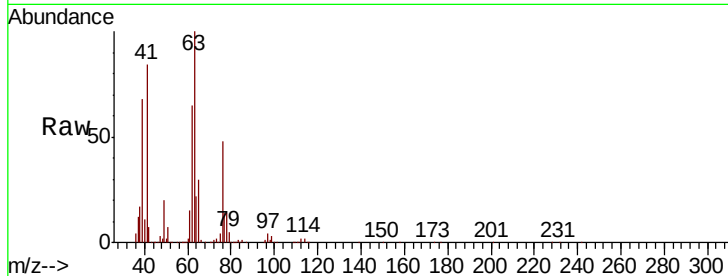
#39
 1,2-Dichloropropane
 Concen: 11.681 ppbv
 RT: 7.61 min Scan# 1500
 Delta R.T. -0.03 min
 Lab File: VL036161.D
 Acq: 11 Dec 2020 12:36

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
63	100		
41	83.2	61.9	92.9
62	64.7	52.5	78.7

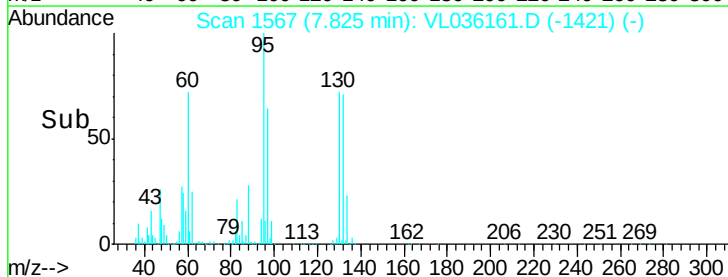
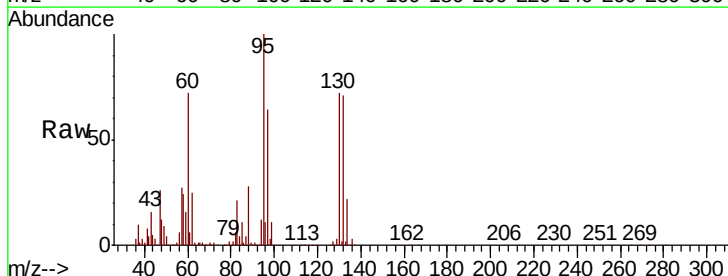
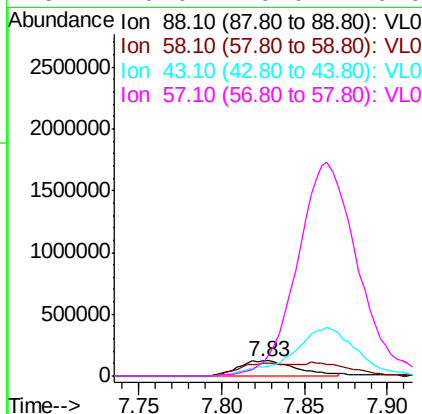
Manual Integrations
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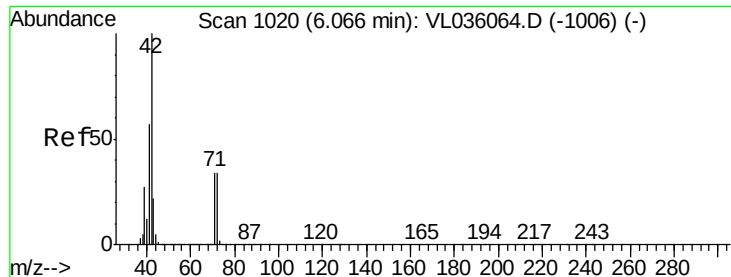
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#40
 1,4-Dioxane
 Concen: 10.885 ppbv
 RT: 7.83 min Scan# 1567
 Delta R.T. -0.03 min
 Lab File: VL036161.D
 Acq: 11 Dec 2020 12:36

Tgt Ion	Ratio	Lower	Upper
88	100		
58	78.3	122.6	184.0#
43	0.0	0.0	0.0
57	0.0	0.0	0.0





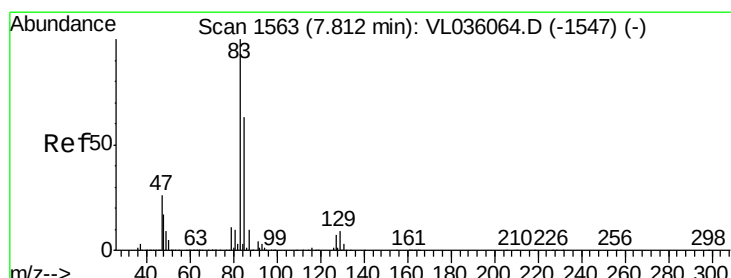
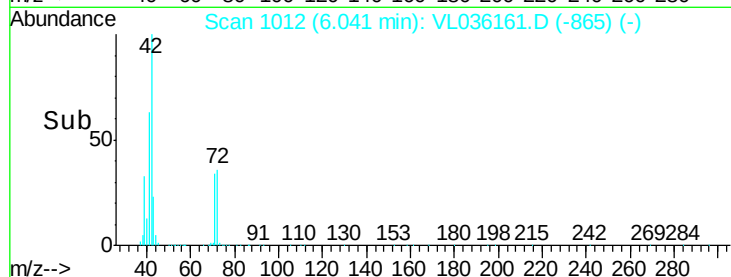
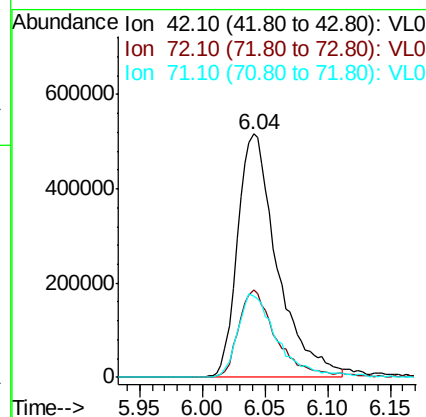
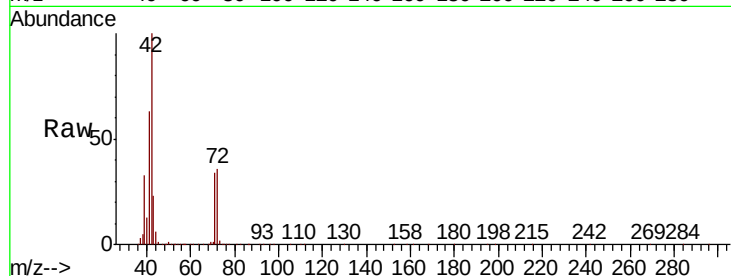
#41
Tetrahydrofuran
Concen: 11.205 ppbv
RT: 6.04 min Scan# 1012
Delta R.T. -0.03 min
Lab File: VL036161.D
Acq: 11 Dec 2020 12:36

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	35.1	28.3	42.5
71	34.8	27.3	40.9

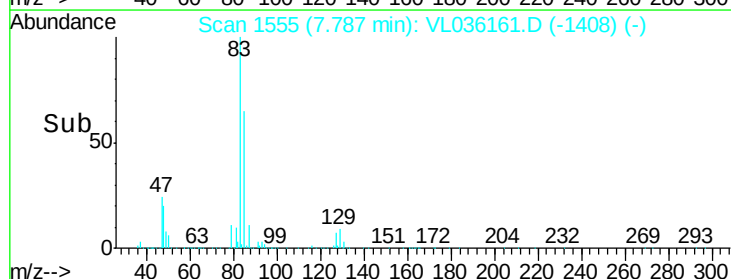
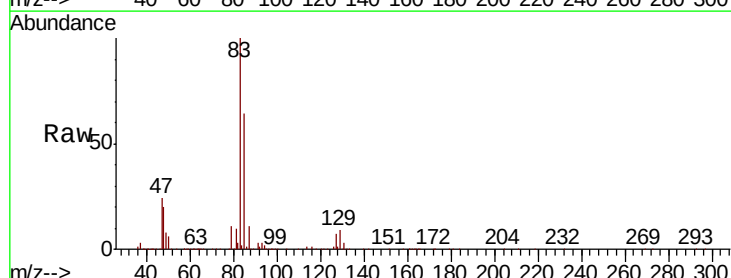
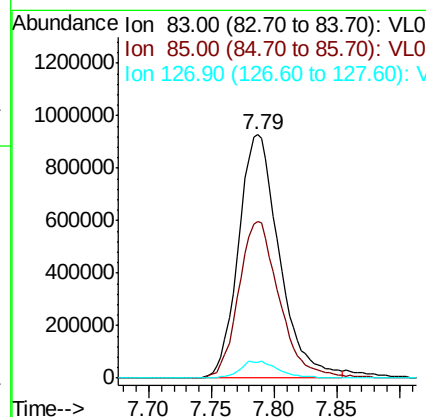
Manual Integrations
APPROVED

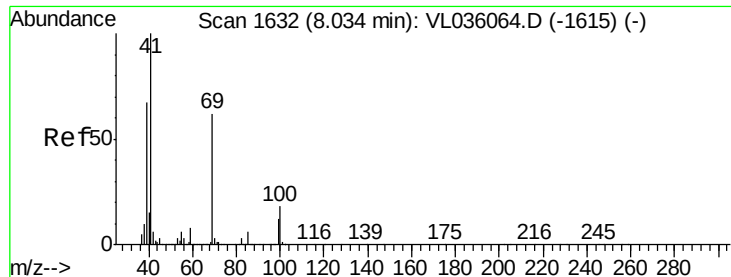
MMDadoda
12/15/2020 4:52:19 PM



#42
Bromodichloromethane
Concen: 12.471 ppbv
RT: 7.79 min Scan# 1555
Delta R.T. -0.03 min
Lab File: VL036161.D
Acq: 11 Dec 2020 12:36

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.4	50.2	75.2
127	6.5	5.5	8.3





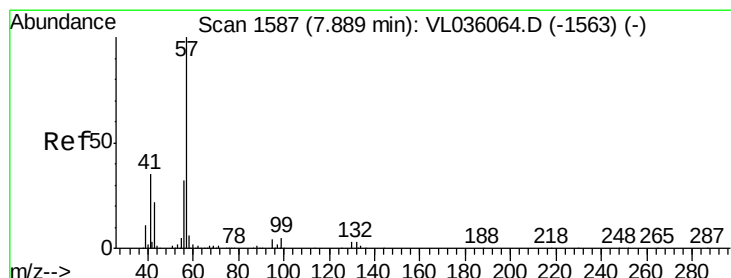
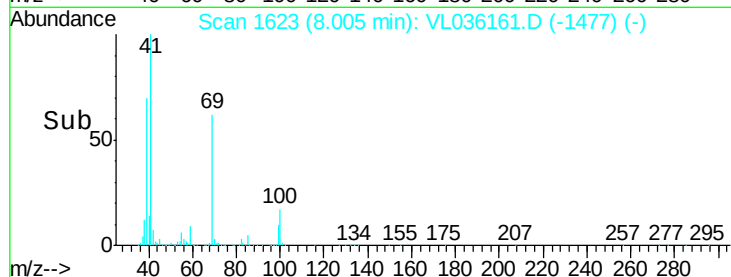
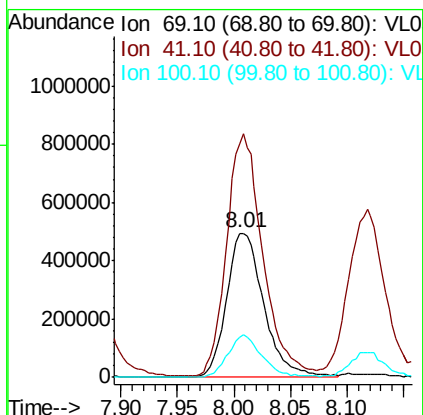
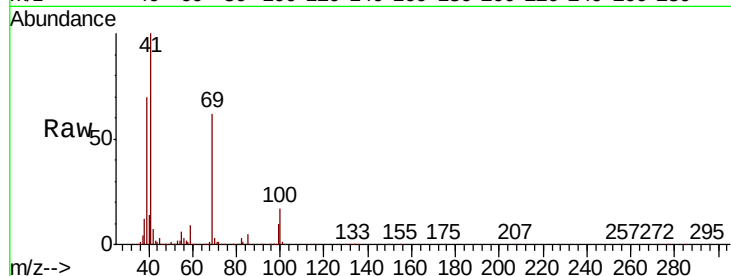
#43
Methvl Methacrylate
Concen: 12.143 ppbv
RT: 8.01 min Scan# 1623
Delta R.T. -0.03 min
Lab File: VL036161.D
Acq: 11 Dec 2020 12:36

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 69 Resp: 1134201
Ion Ratio Lower Upper
69 100
41 165.2 133.0 199.6
100 27.1 25.4 38.0

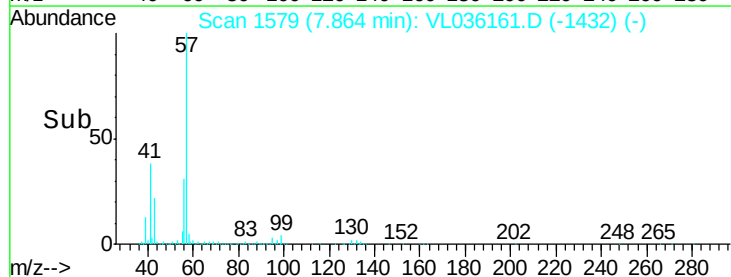
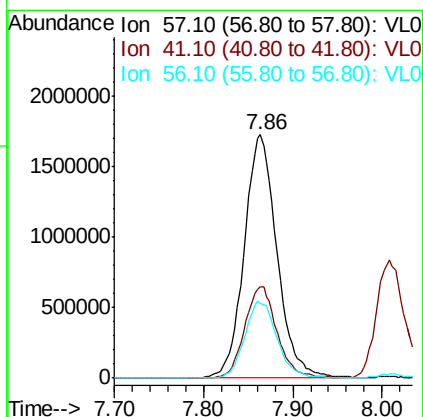
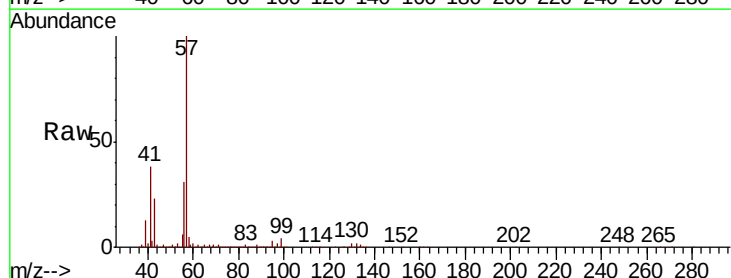
Manual Integrations
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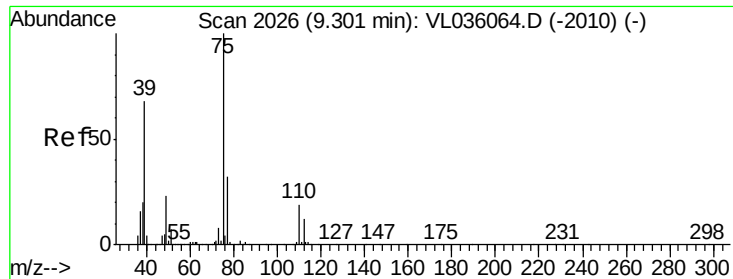
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#44
2,2,4-Trimethylpentane
Concen: 11.205 ppbv
RT: 7.86 min Scan# 1579
Delta R.T. -0.03 min
Lab File: VL036161.D
Acq: 11 Dec 2020 12:36

Tgt Ion: 57 Resp: 4417915
Ion Ratio Lower Upper
57 100
41 37.0 28.9 43.3
56 31.4 25.3 37.9





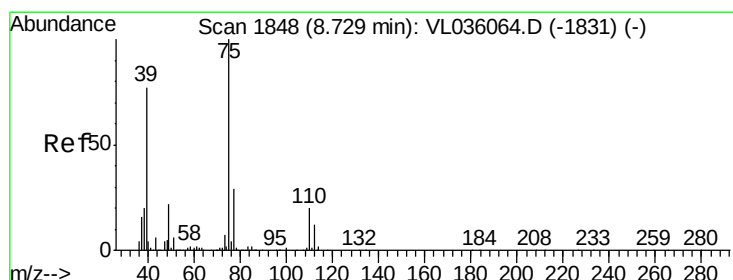
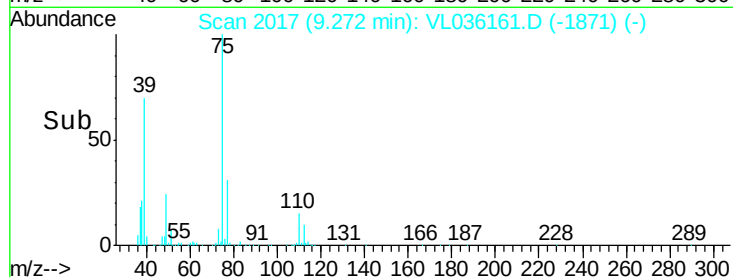
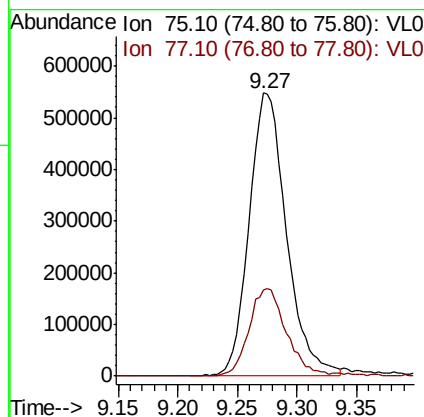
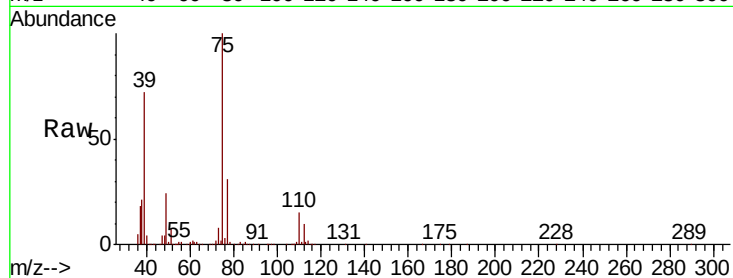
#45
t-1,3-Dichloropropene
Concen: 12.402 ppbv
RT: 9.27 min Scan# 2017
Delta R.T. -0.03 min
Lab File: VL036161.D
Acq: 11 Dec 2020 12:36

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 75 Resp: 1190048
Ion Ratio Lower Upper
75 100
77 30.6 26.0 39.0

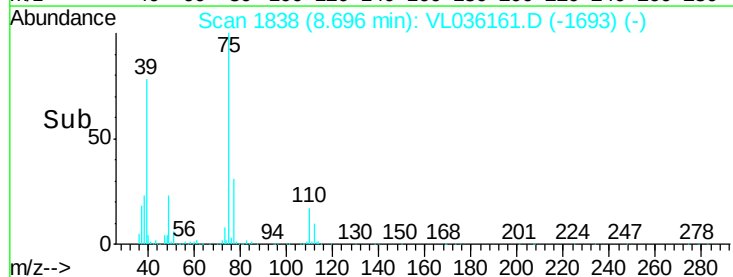
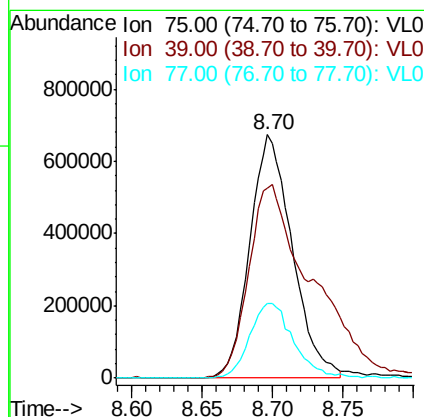
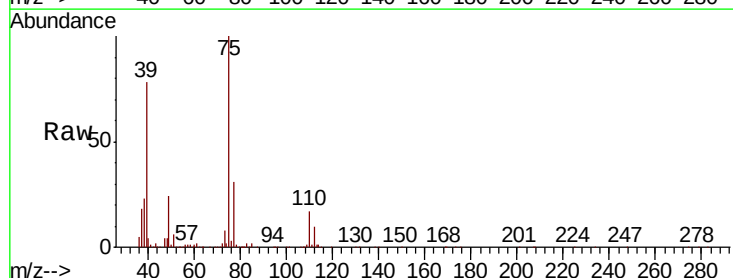
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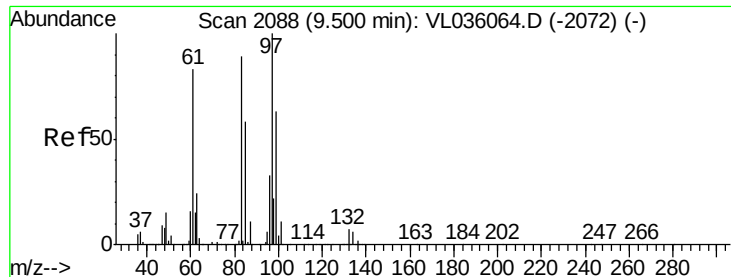
MMDadoda
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#46
cis-1,3-Dichloropropene
Concen: 11.787 ppbv
RT: 8.70 min Scan# 1838
Delta R.T. -0.03 min
Lab File: VL036161.D
Acq: 11 Dec 2020 12:36

Tgt Ion: 75 Resp: 1417642
Ion Ratio Lower Upper
75 100
39 78.0 61.6 92.4
77 30.9 23.0 34.6





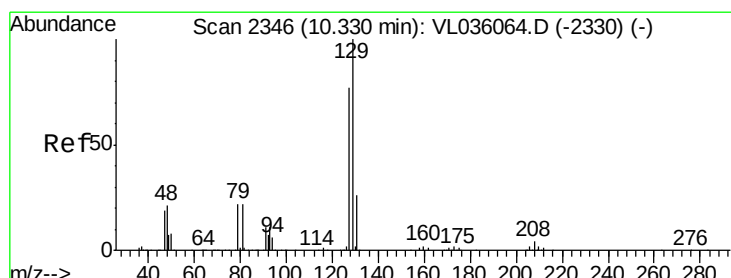
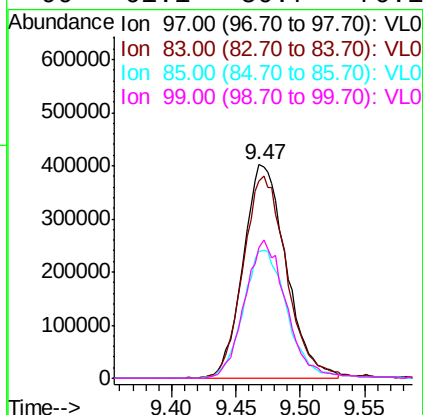
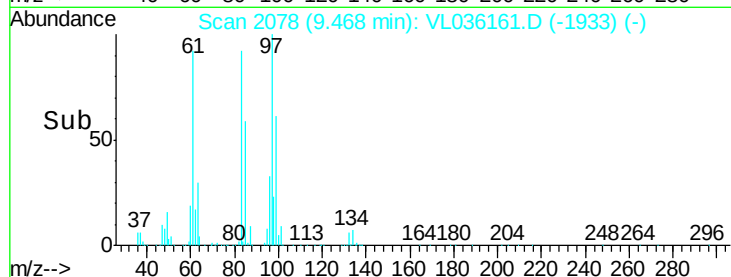
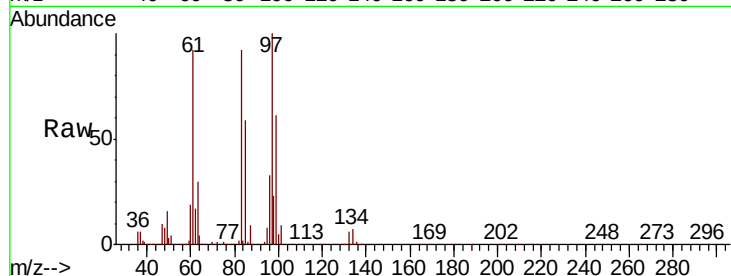
#47
 1,1,2-Trichloroethane
 Concen: 11.286 ppbv
 RT: 9.47 min Scan# 2078
 Delta R.T. -0.03 min
 Lab File: VL036161.D
 Acq: 11 Dec 2020 12:36

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		933577		
83	92.1	71.4	107.2		
85	59.3	46.6	70.0		
99	61.1	50.7	76.1		

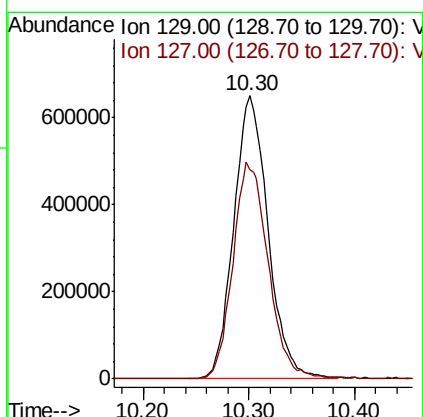
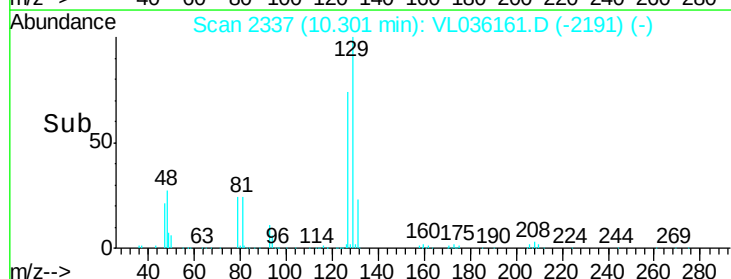
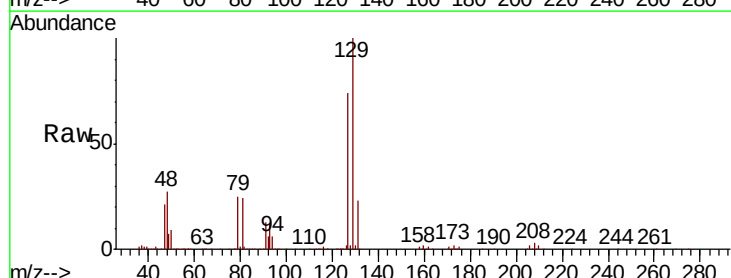
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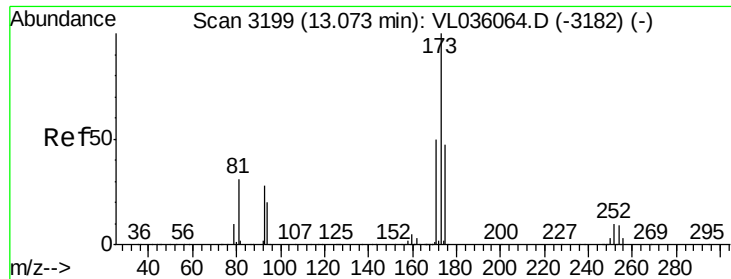
MMDadoda
 12/15/2020 4:52:19 PM



#48
 Dibromochloromethane
 Concen: 11.774 ppbv
 RT: 10.30 min Scan# 2337
 Delta R.T. -0.03 min
 Lab File: VL036161.D
 Acq: 11 Dec 2020 12:36

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
129	100		1470757		
127	79.0	39.0	117.0		





#49

Bromoform

Concen: 12.063 ppbv

RT: 13.04 min Scan# 3189

Delta R.T. -0.03 min

Lab File: VL036161.D

Acq: 11 Dec 2020 12:36

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:173 Resp: 1185948

Ion Ratio Lower Upper

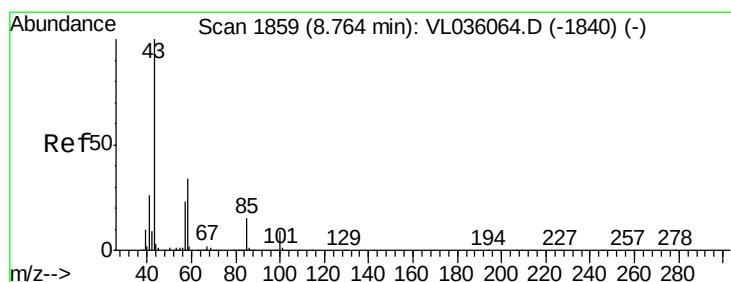
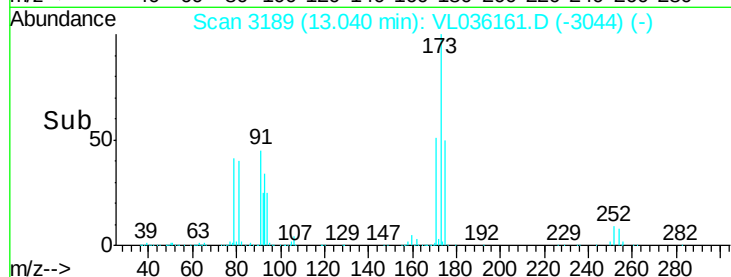
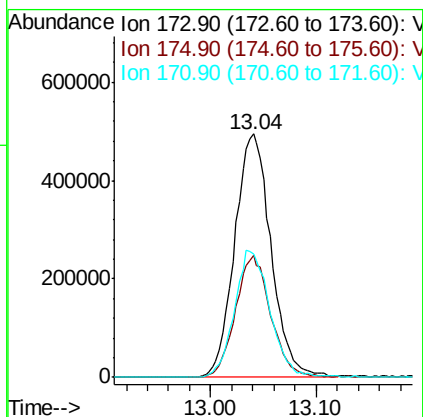
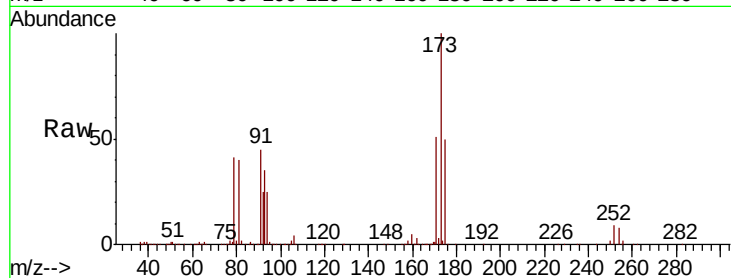
173 100

175 48.8 39.8 59.6

171 51.0 42.5 63.7

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#50

4-Methyl-2-Pentanone

Concen: 11.851 ppbv

RT: 8.74 min Scan# 1850

Delta R.T. -0.03 min

Lab File: VL036161.D

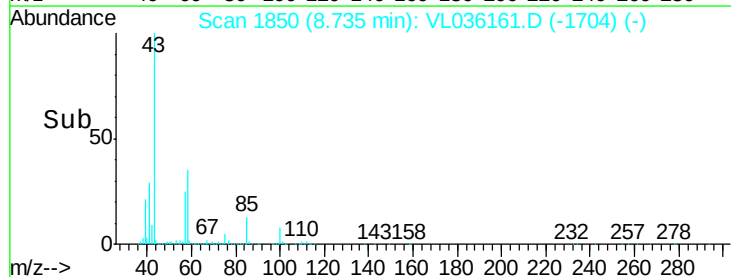
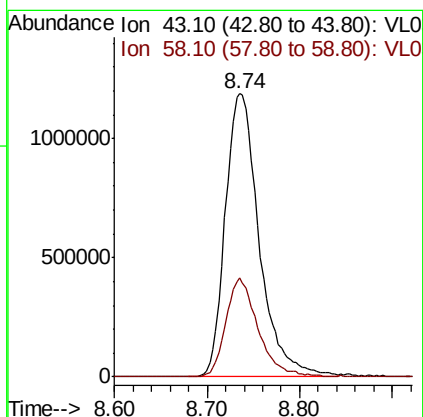
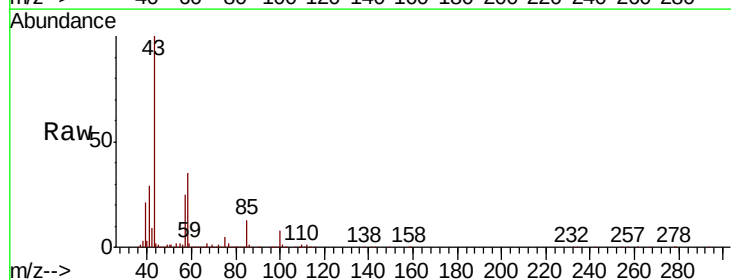
Acq: 11 Dec 2020 12:36

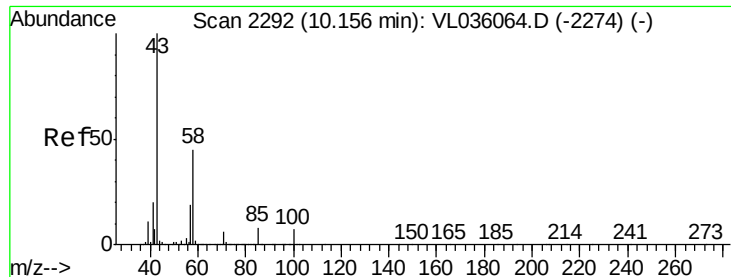
Tgt Ion: 43 Resp: 3011795

Ion Ratio Lower Upper

43 100

58 33.6 27.4 41.2





#51

2-Hexanone

Concen: 12.182 ppbv

RT: 10.13 min Scan# 2283

Delta R.T. -0.03 min

Lab File: VL036161.D

Acq: 11 Dec 2020 12:36

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 43 Resp: 2419971

Ion Ratio Lower Upper

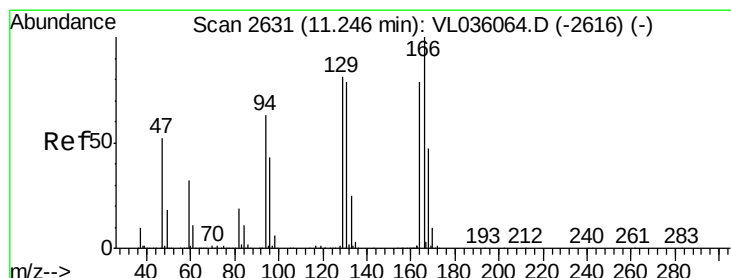
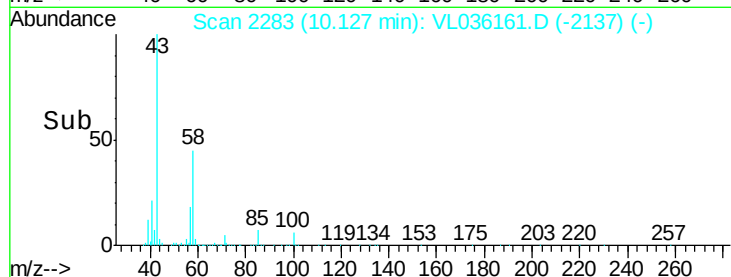
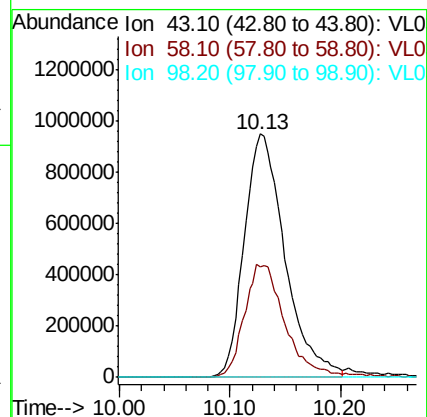
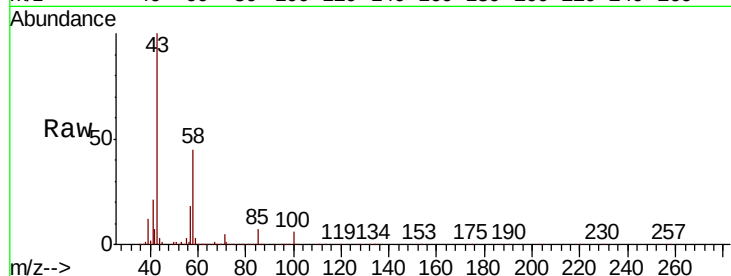
43 100

58 46.7 38.7 58.1

98 0.1 0.1 0.1#

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#52

Tetrachloroethene

Concen: 8.901 ppbv

RT: 11.22 min Scan# 2623

Delta R.T. -0.03 min

Lab File: VL036161.D

Acq: 11 Dec 2020 12:36

Tgt Ion: 164 Resp: 701528

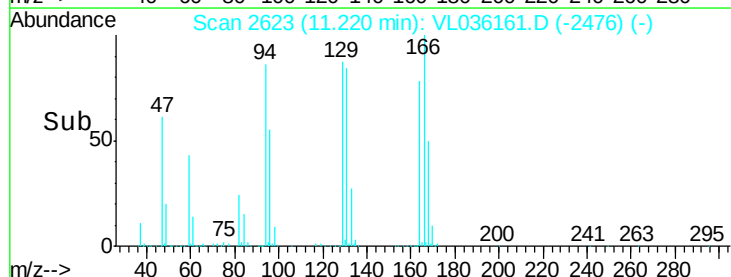
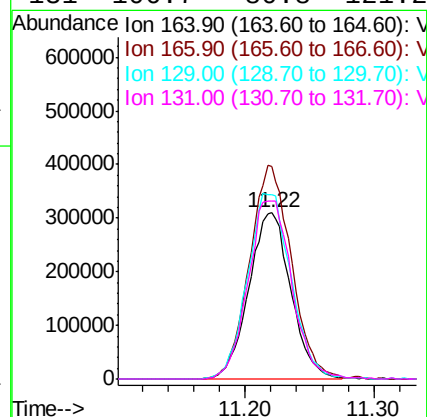
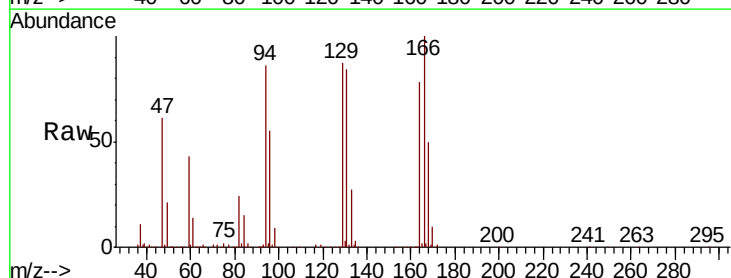
Ion Ratio Lower Upper

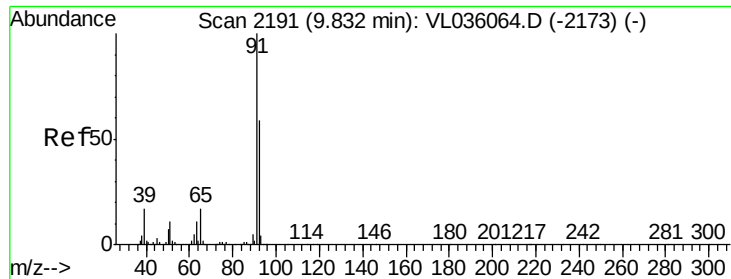
164 100

166 127.4 101.9 152.9

129 110.4 82.1 123.1

131 106.7 80.8 121.2





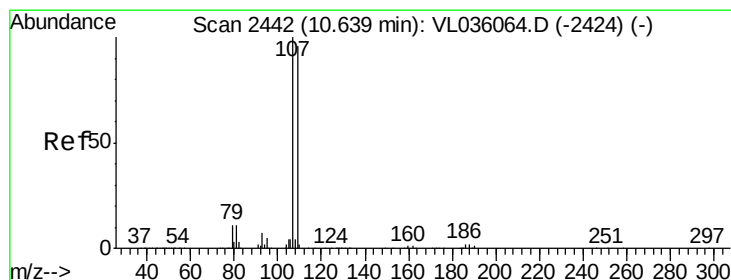
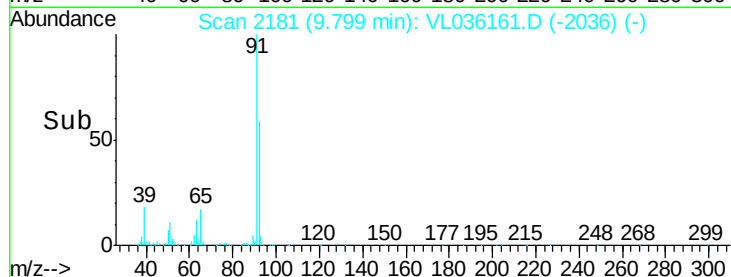
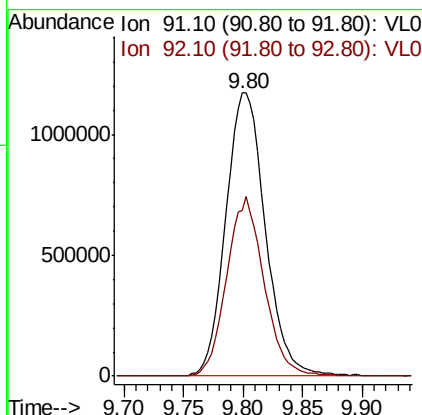
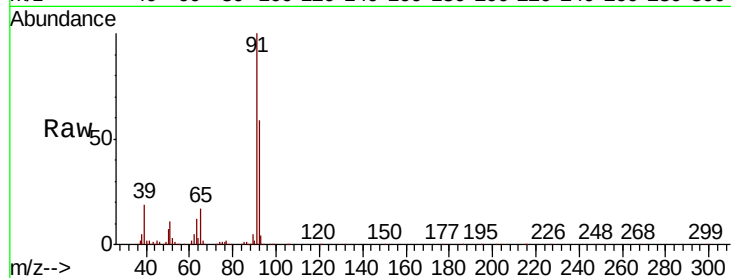
#53
Toluene
Concen: 10.959 ppbv
RT: 9.80 min Scan# 2181
Delta R.T. -0.03 min
Lab File: VL036161.D
Acq: 11 Dec 2020 12:36

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 91 Resp: 2679151
Ion Ratio Lower Upper
91 100
92 60.6 48.2 72.2

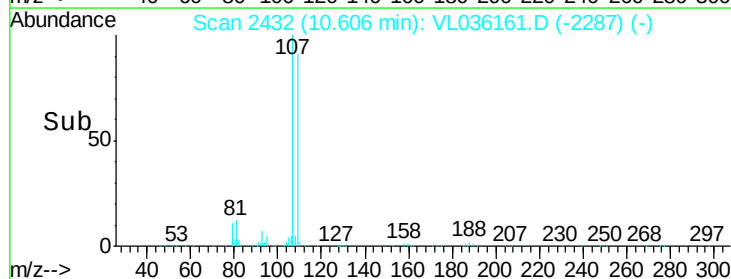
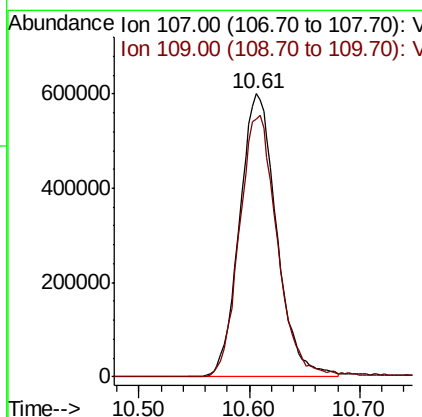
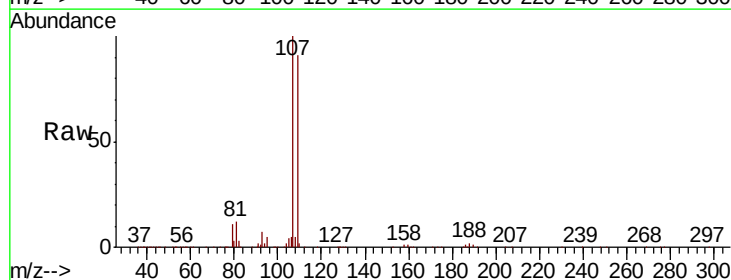
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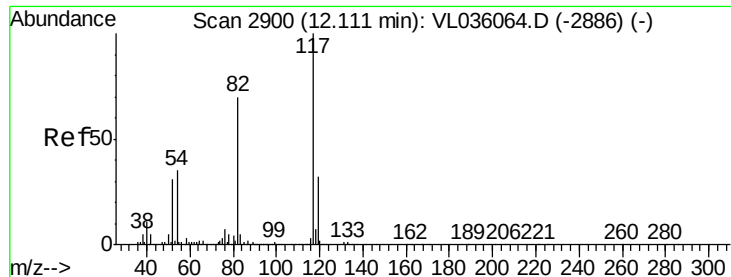
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#54
1,2-Dibromoethane
Concen: 11.277 ppbv
RT: 10.61 min Scan# 2432
Delta R.T. -0.03 min
Lab File: VL036161.D
Acq: 11 Dec 2020 12:36

Tgt Ion: 107 Resp: 1398241
Ion Ratio Lower Upper
107 100
109 91.2 76.6 115.0





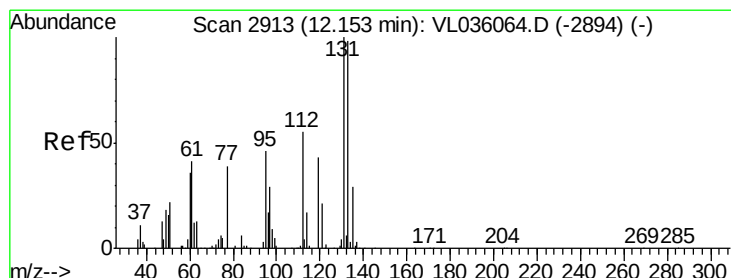
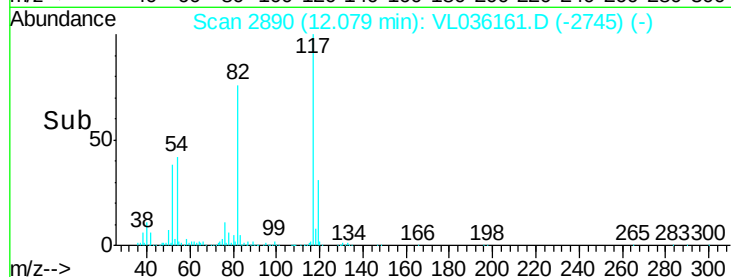
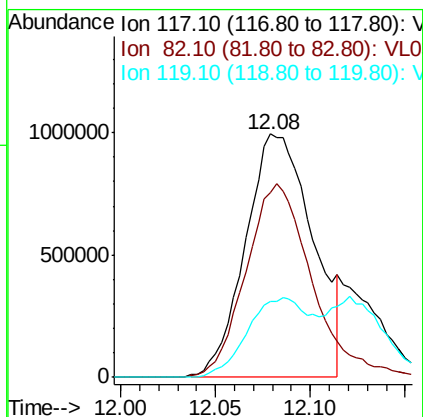
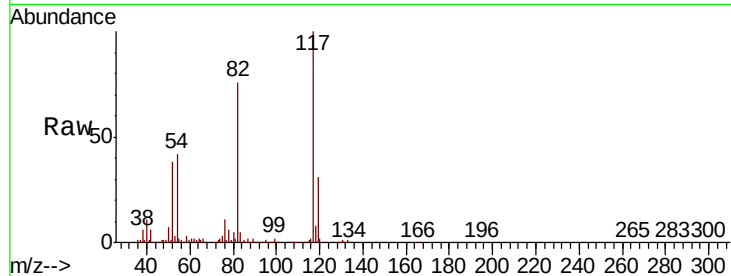
#55
Chlorobenzene-d5
Concen: 10.000 ppbv m
RT: 12.08 min Scan# 2890
Delta R.T. -0.03 min
Lab File: VL036161.D
Acq: 11 Dec 2020 12:36

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion:117 Resp: 2464283
Ion Ratio Lower Upper
117 100
82 78.7 0.0 0.0#
119 31.1 0.0 0.0#

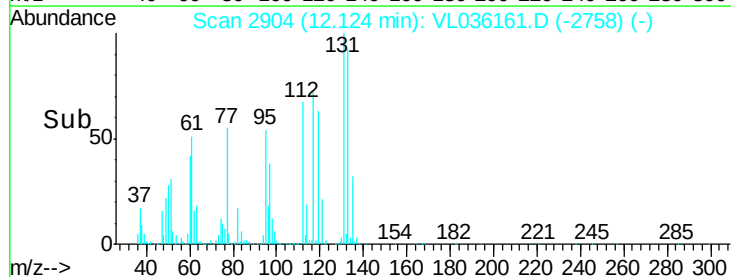
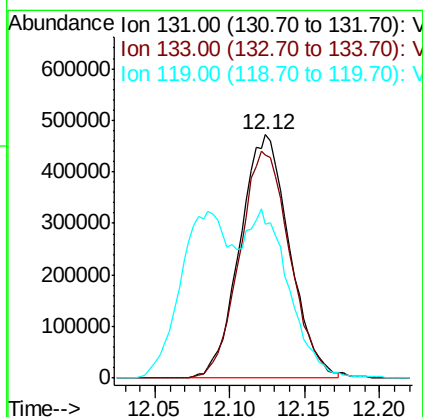
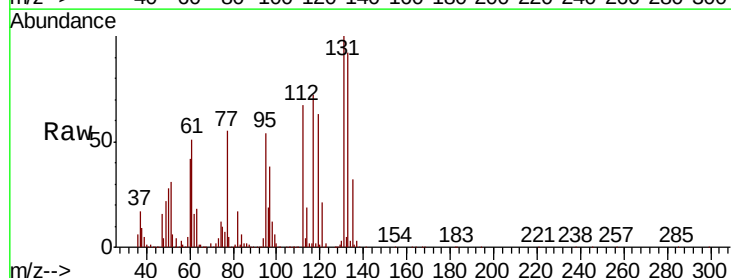
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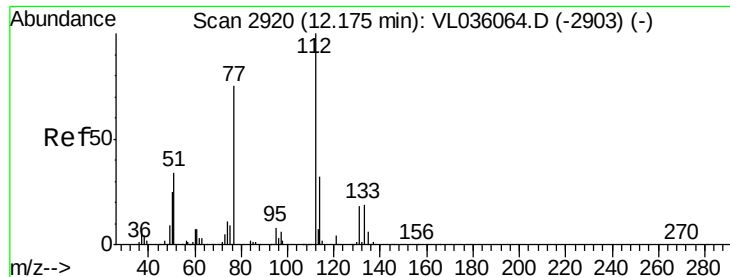
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#56
1,1,1,2-Tetrachloroethane
Concen: 10.649 ppbv
RT: 12.12 min Scan# 2904
Delta R.T. -0.03 min
Lab File: VL036161.D
Acq: 11 Dec 2020 12:36

Tgt Ion:131 Resp: 1088108
Ion Ratio Lower Upper
131 100
133 95.1 77.7 116.5
119 61.8 51.6 77.4





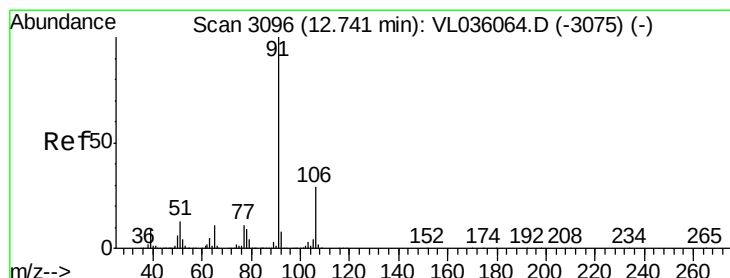
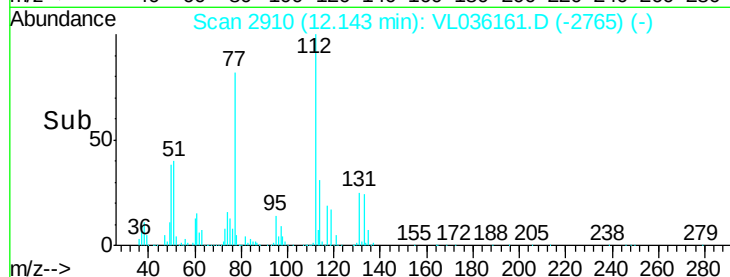
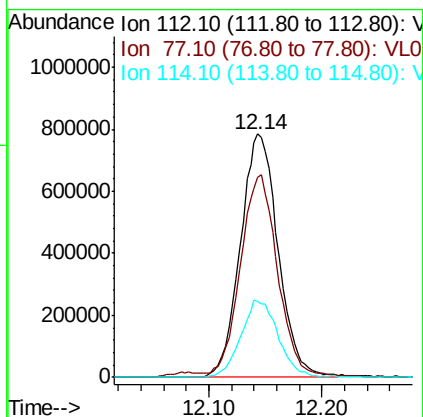
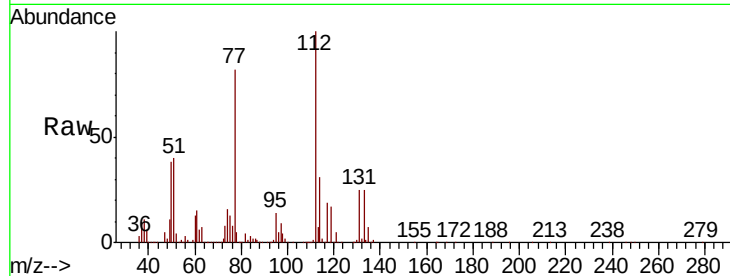
#57
Chlorobenzene
Concen: 10.488 ppbv
RT: 12.14 min Scan# 2910
Delta R.T. -0.03 min
Lab File: VL036161.D
Acq: 11 Dec 2020 12:36

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion:112 Resp: 1814385
Ion Ratio Lower Upper
112 100
77 81.2 60.5 90.7
114 31.2 29.2 35.6

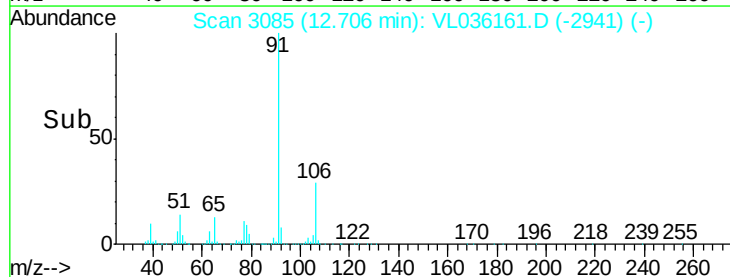
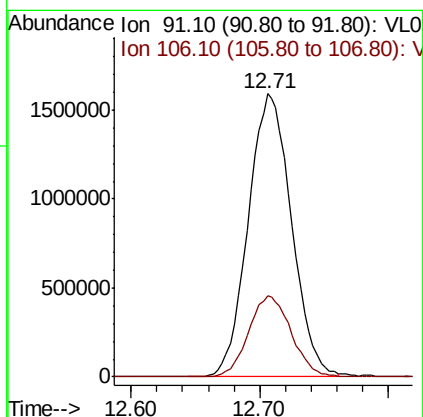
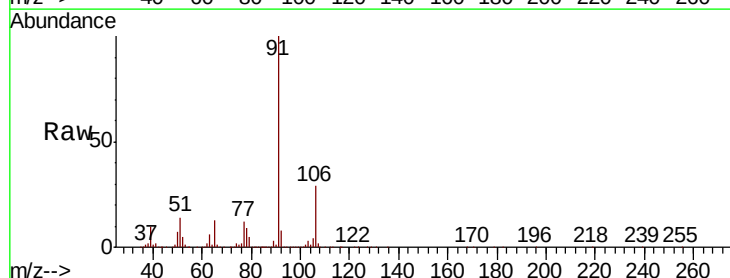
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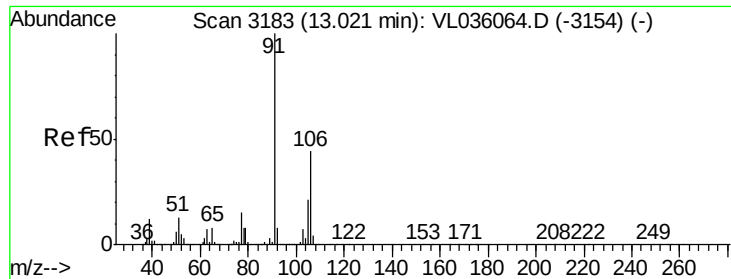
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#58
Ethyl Benzene
Concen: 11.011 ppbv
RT: 12.71 min Scan# 3085
Delta R.T. -0.04 min
Lab File: VL036161.D
Acq: 11 Dec 2020 12:36

Tgt Ion: 91 Resp: 3718565
Ion Ratio Lower Upper
91 100
106 28.6 23.0 34.4





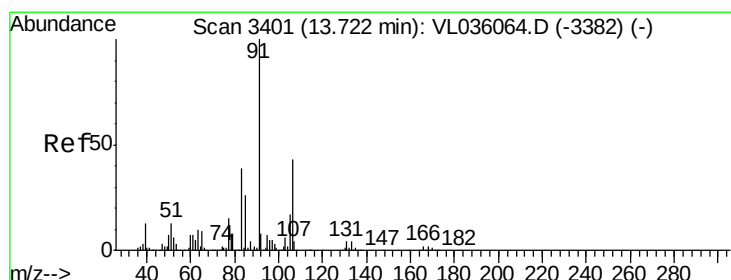
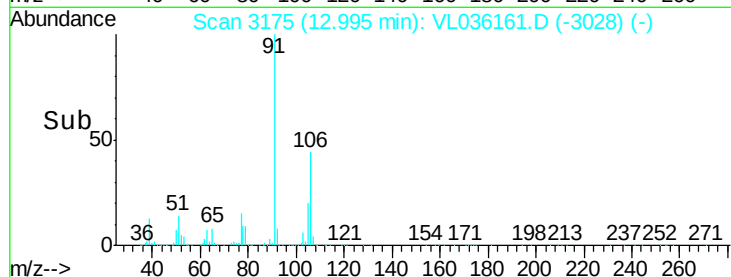
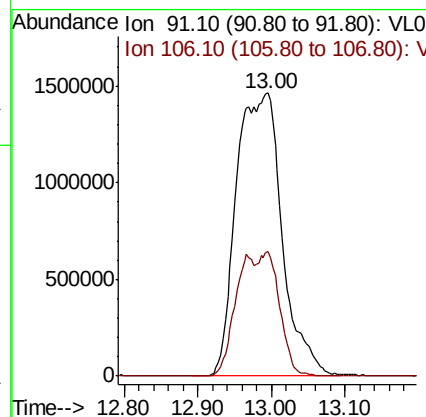
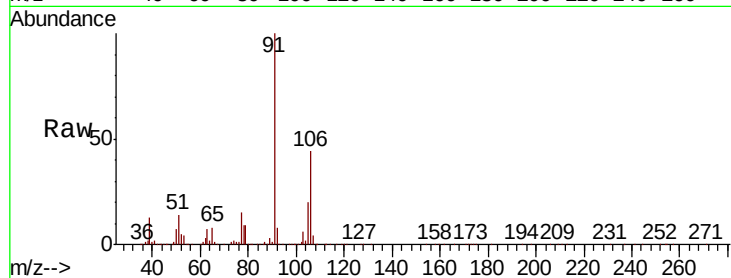
#59
m/p-Xylene
Concen: 22.187 ppbv m
RT: 13.00 min Scan# 3175
Delta R.T. -0.03 min
Lab File: VL036161.D
Acq: 11 Dec 2020 12:36

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 91 Resp: 6310926
Ion Ratio Lower Upper
91 100
106 40.3 33.6 50.4

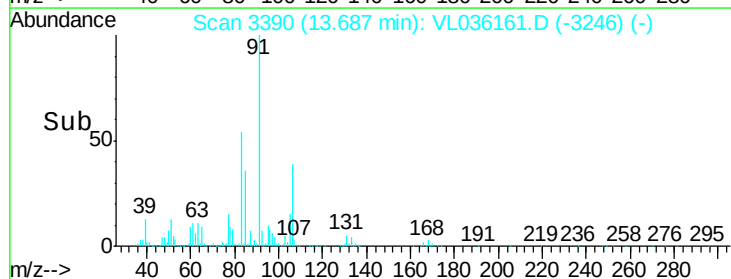
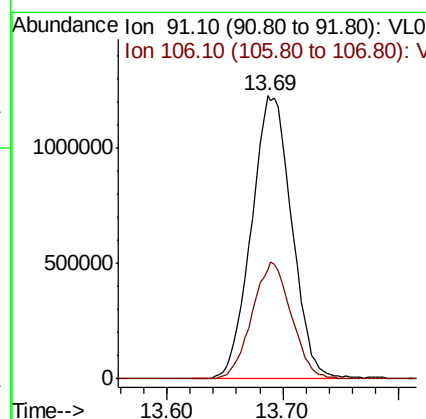
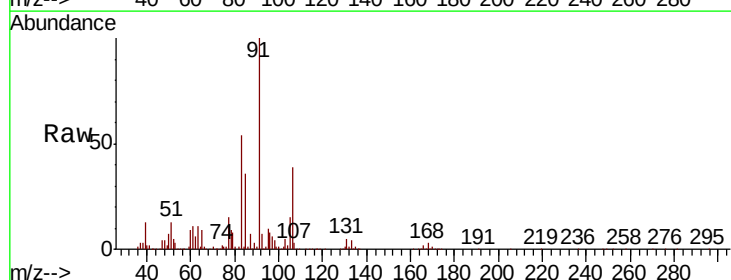
Manual Integrations
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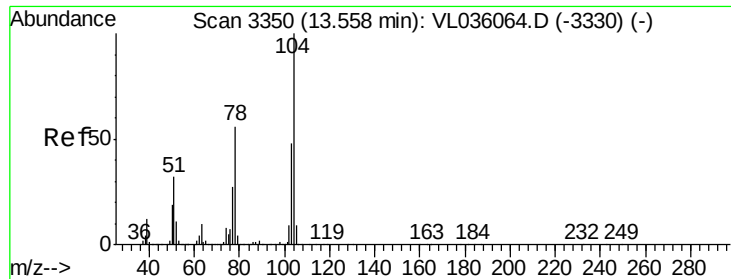
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#60
o-Xylene
Concen: 11.023 ppbv
RT: 13.69 min Scan# 3390
Delta R.T. -0.04 min
Lab File: VL036161.D
Acq: 11 Dec 2020 12:36

Tgt Ion: 91 Resp: 2954046
Ion Ratio Lower Upper
91 100
106 40.6 21.6 64.6





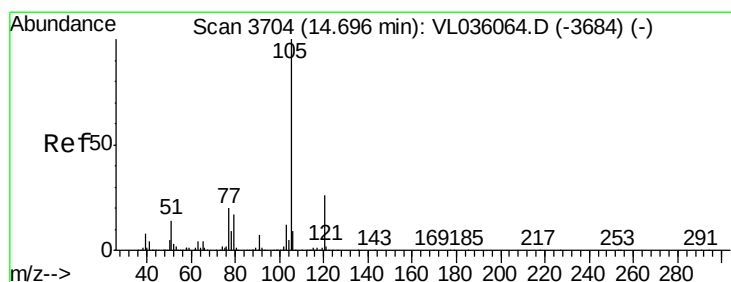
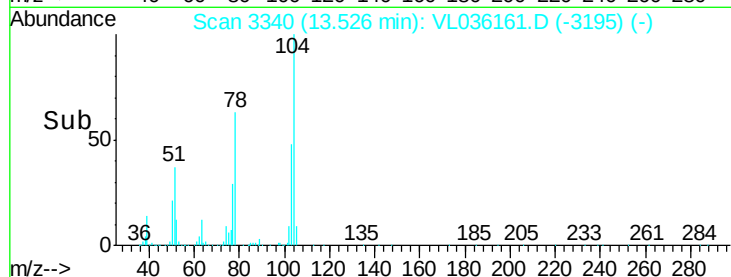
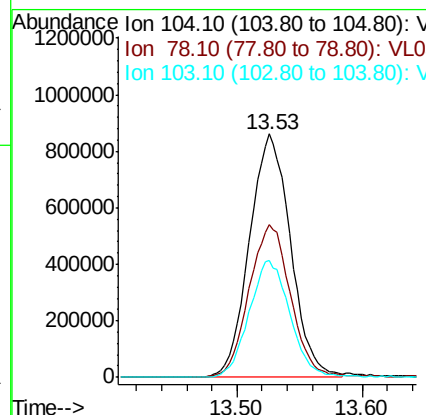
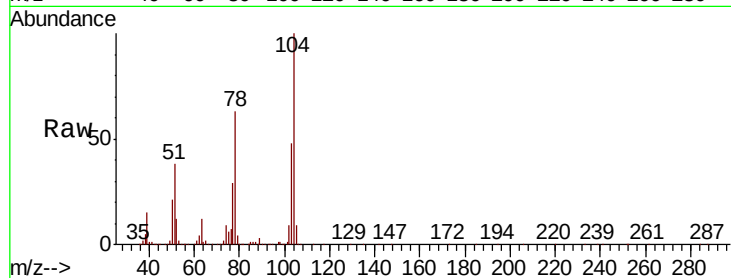
#61
Stvrene
Concen: 11.413 ppbv
RT: 13.53 min Scan# 3340
Delta R.T. -0.03 min
Lab File: VL036161.D
Acq: 11 Dec 2020 12:36

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
104	100		
78	63.8	45.8	68.8
103	47.8	38.6	57.8

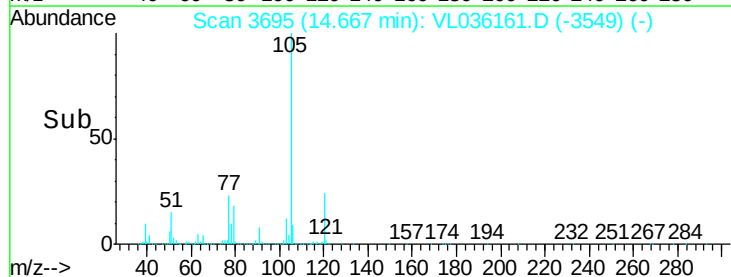
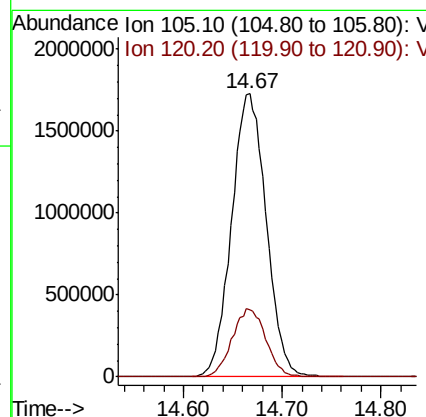
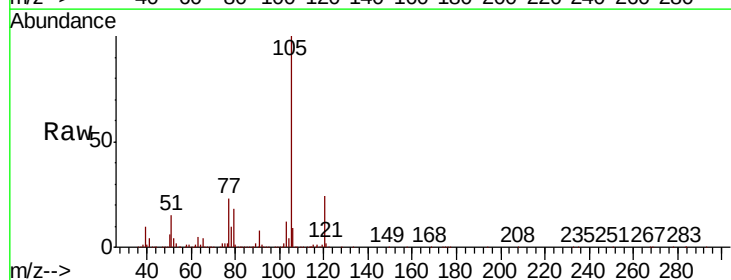
Manual Integrations
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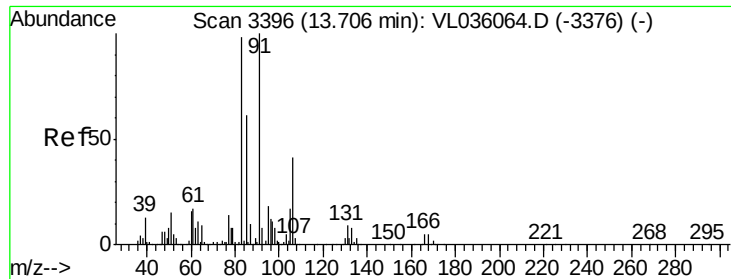
MMDadoda
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#62
Isopropylbenzene
Concen: 10.604 ppbv
RT: 14.67 min Scan# 3695
Delta R.T. -0.03 min
Lab File: VL036161.D
Acq: 11 Dec 2020 12:36

Tgt Ion	Ratio	Lower	Upper
105	100		
120	23.6	20.1	30.1





#63

1,1,2,2-Tetrachloroethane

Concen: 11.410 ppbv

RT: 13.67 min Scan# 3386

Delta R.T. -0.03 min

Lab File: VL036161.D

Acq: 11 Dec 2020 12:36

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 83 Resp: 2059277

Ion Ratio Lower Upper

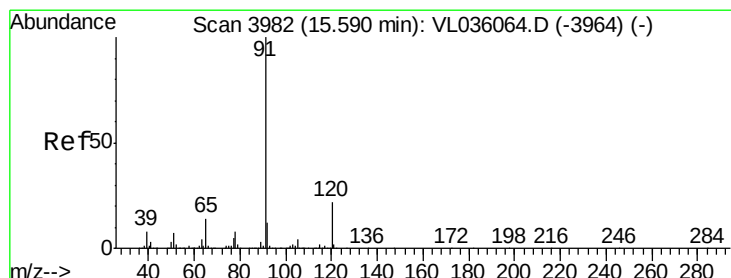
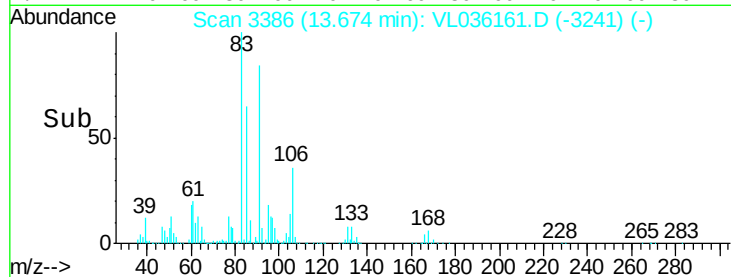
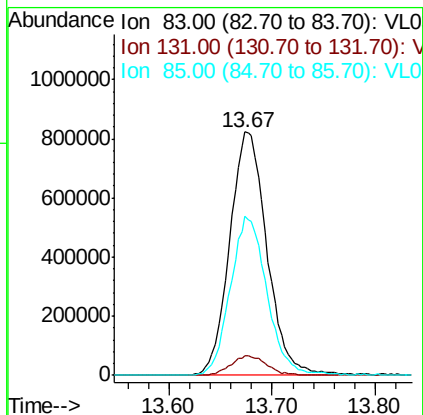
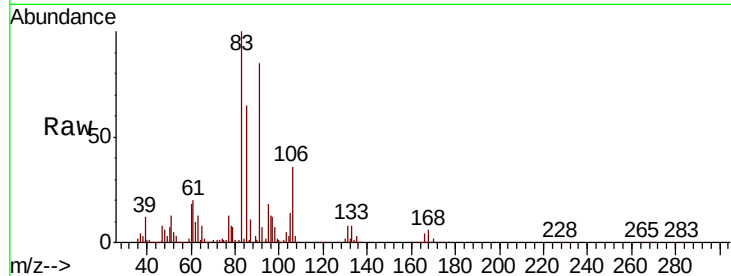
83 100

131 7.9 4.6 13.8

85 65.1 32.5 97.5

Manual Integrations
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12/15/2020 4:52:19 PM



#64

n-propylbenzene

Concen: 10.746 ppbv

RT: 15.56 min Scan# 3973

Delta R.T. -0.03 min

Lab File: VL036161.D

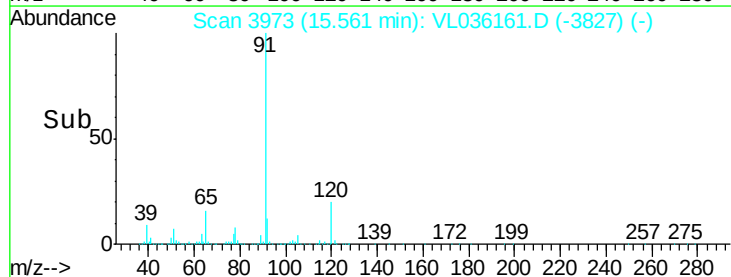
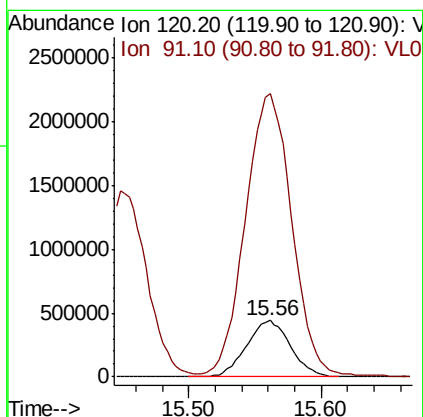
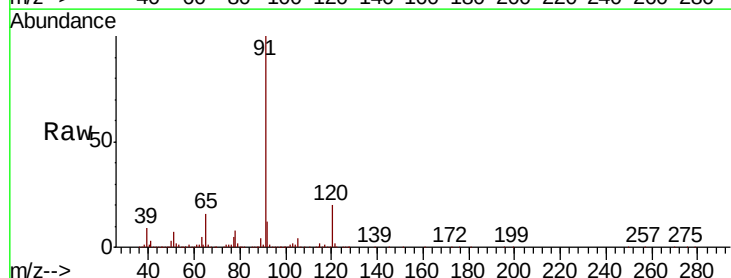
Acq: 11 Dec 2020 12:36

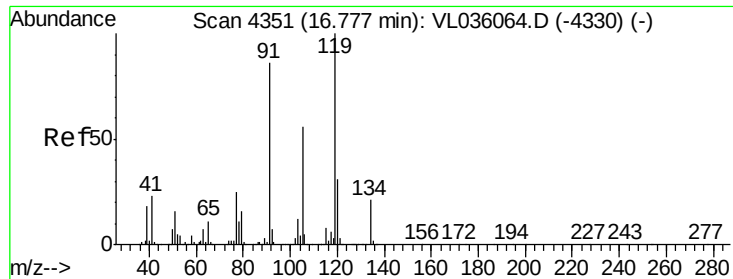
Tgt Ion: 120 Resp: 1027012

Ion Ratio Lower Upper

120 100

91 531.1 388.9 583.3





#65

tert-Butylbenzene

Concen: 10.657 ppbv

RT: 16.74 min Scan# 4341

Delta R.T. -0.03 min

Lab File: VL036161.D

Acq: 11 Dec 2020 12:36

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:119 Resp: 3465118

Ion Ratio Lower Upper

119 100

91 97.7 70.2 105.2

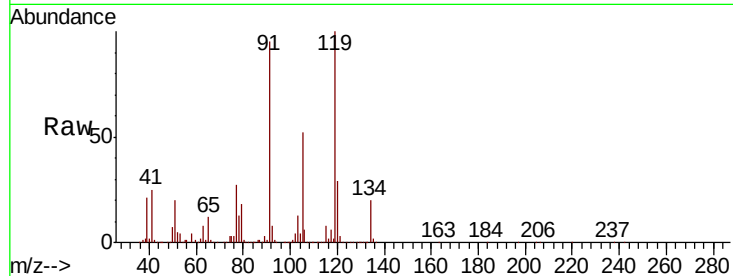
134 18.5 15.8 23.6

Manual Integrations

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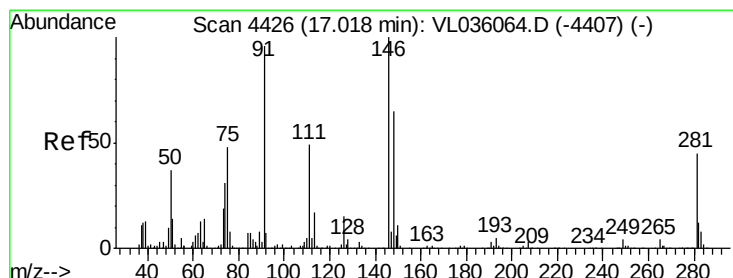
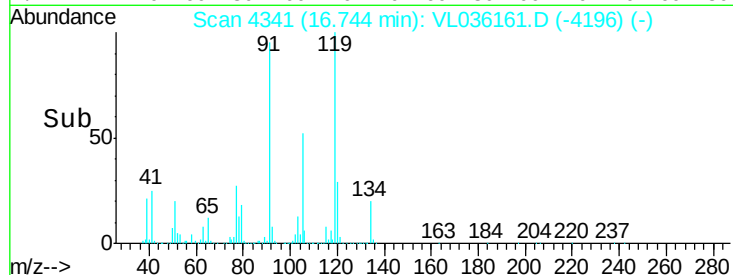
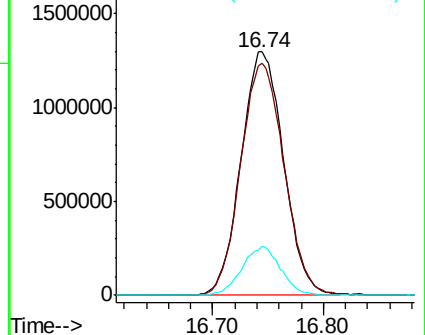
12/15/2020 4:52:19 PM



Abundance Ion 119.20 (118.90 to 119.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 134.20 (133.90 to 134.90): V



#66

Benzyl Chloride

Concen: 13.024 ppbv

RT: 16.99 min Scan# 4417

Delta R.T. -0.03 min

Lab File: VL036161.D

Acq: 11 Dec 2020 12:36

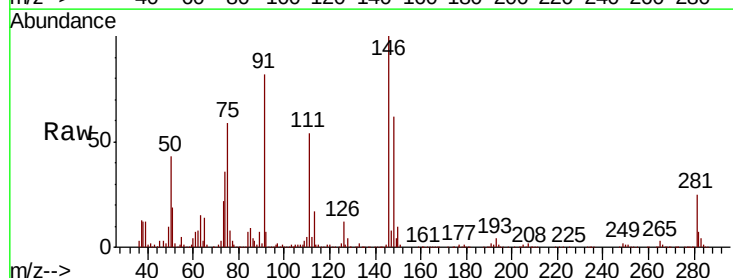
Tgt Ion: 91 Resp: 1054485

Ion Ratio Lower Upper

91 100

126 14.5 13.5 20.3

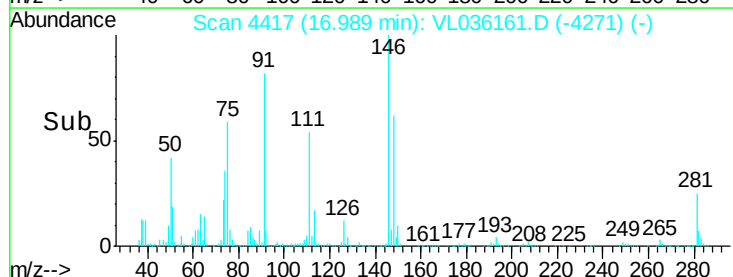
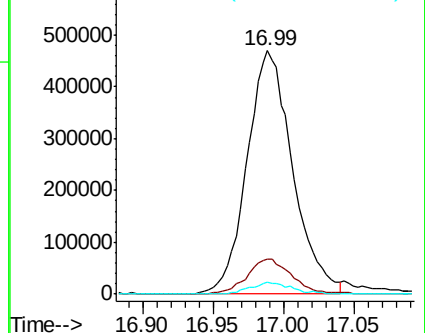
128 4.5 4.4 6.6

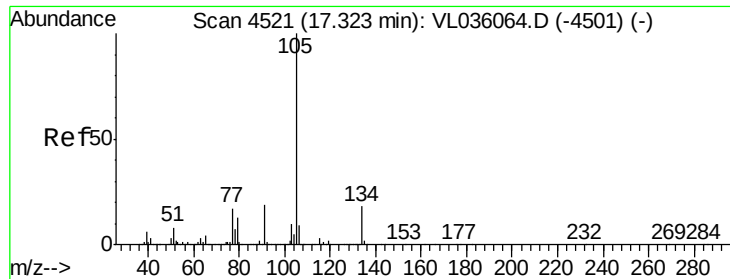


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V





#67

sec-Butylbenzene

Concen: 11.090 ppbv

RT: 17.29 min Scan# 4512

Delta R.T. -0.03 min

Lab File: VL036161.D

Acq: 11 Dec 2020 12:36

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:105 Resp: 5046567

Ion Ratio Lower Upper

105 100

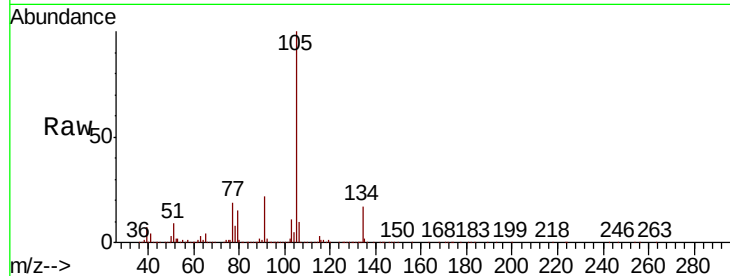
134 16.7 14.2 21.4

Manual Integrations

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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V

17.29

2000000

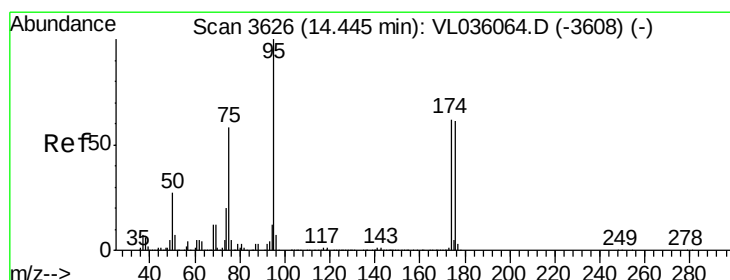
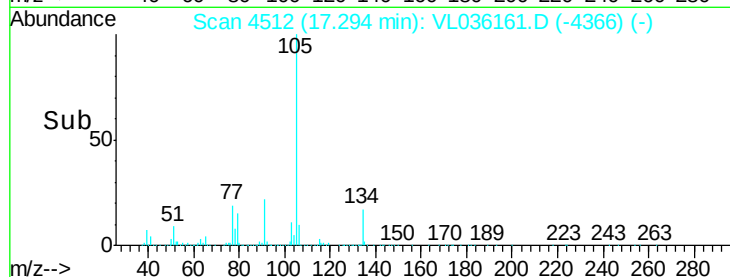
1500000

1000000

500000

0

Time-->



#68

1-Bromo-4-Fluorobenzene

Concen: 10.931 ppbv

RT: 14.41 min Scan# 3616

Delta R.T. -0.03 min

Lab File: VL036161.D

Acq: 11 Dec 2020 12:36

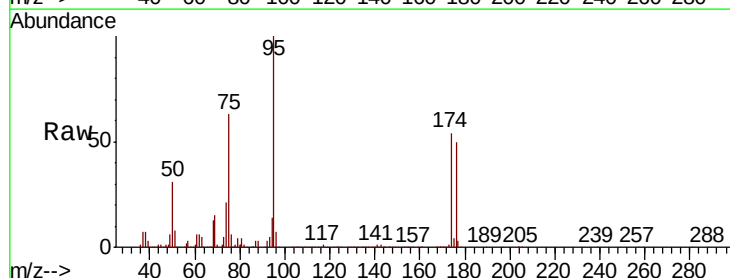
Tgt Ion: 95 Resp: 2138951

Ion Ratio Lower Upper

95 100

174 53.4 50.7 76.1

175 4.1 4.0 6.0



Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V

1200000

1000000

800000

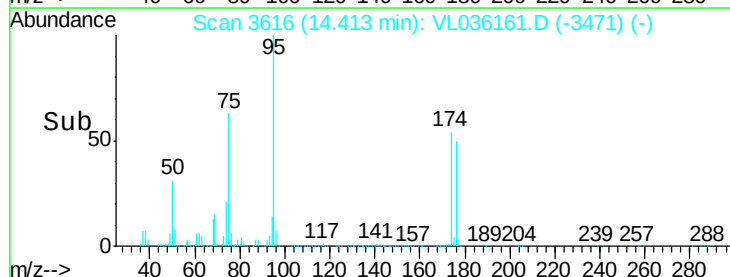
600000

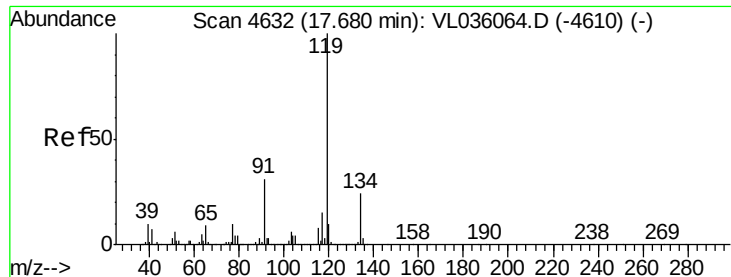
400000

200000

0

Time-->





#69

p-Isopropyltoluene

Concen: 11.015 ppbv

RT: 17.65 min Scan# 4623

Delta R.T. -0.03 min

Lab File: VL036161.D

Acq: 11 Dec 2020 12:36

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 119 Resp: 3987118

Ion Ratio Lower Upper

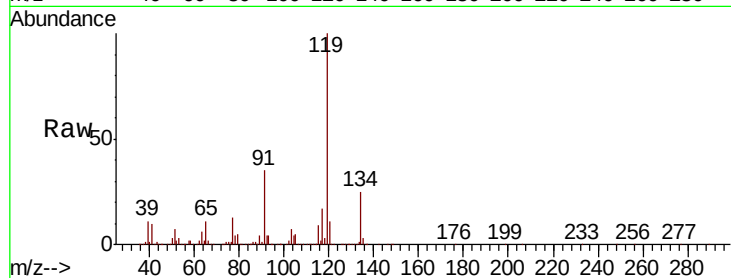
119 100

134 24.3 19.8 29.6

91 36.0 25.8 38.6

Manual Integrations
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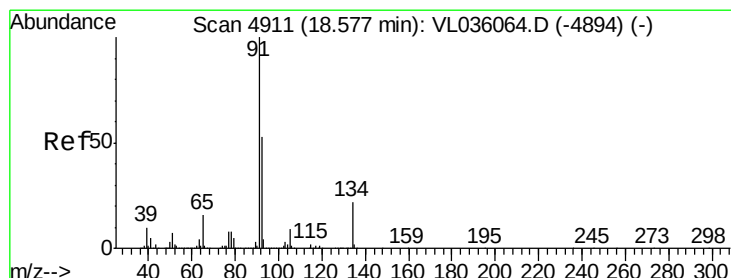
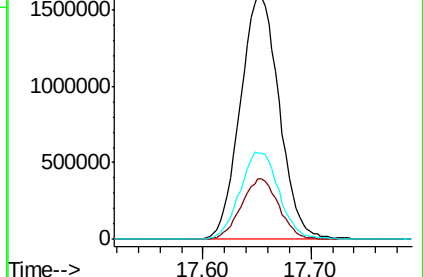
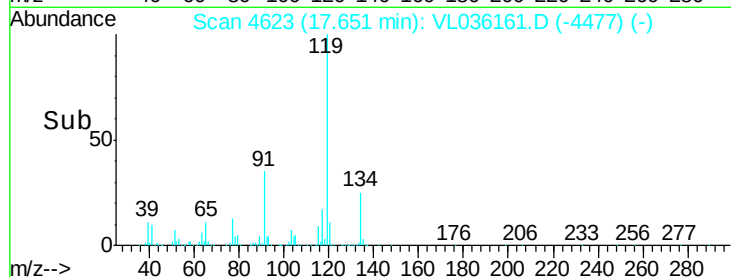
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Abundance Ion 119.10 (118.80 to 119.80): V

Ion 134.20 (133.90 to 134.90): V

Ion 91.10 (90.80 to 91.80): V



#70

n-Butylbenzene

Concen: 12.682 ppbv

RT: 18.55 min Scan# 4903

Delta R.T. -0.03 min

Lab File: VL036161.D

Acq: 11 Dec 2020 12:36

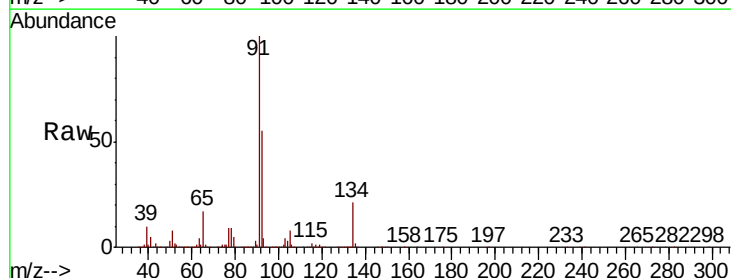
Tgt Ion: 91 Resp: 4537080

Ion Ratio Lower Upper

91 100

92 53.5 43.3 64.9

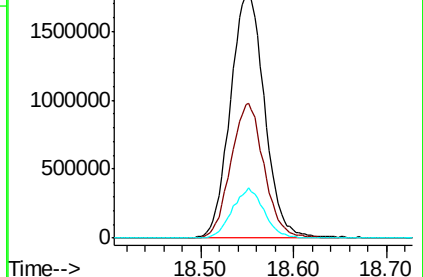
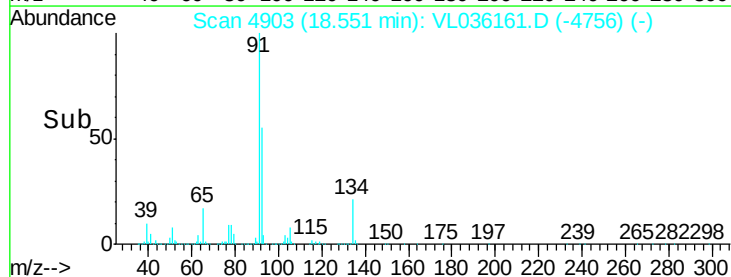
134 19.2 17.1 25.7

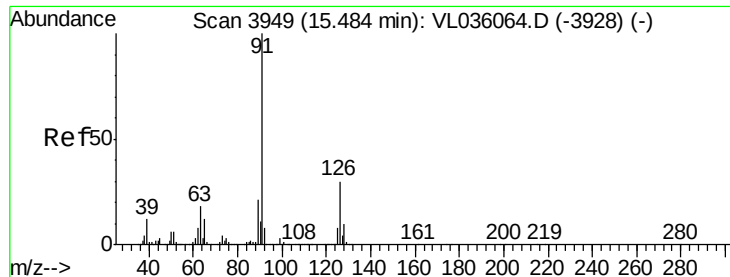


Abundance Ion 91.10 (90.80 to 91.80): V

Ion 92.10 (91.80 to 92.80): V

Ion 134.20 (133.90 to 134.90): V





#71

2-Chlorotoluene

Concen: 11.563 ppbv

RT: 15.45 min Scan# 3938

Delta R.T. -0.04 min

Lab File: VL036161.D

Acq: 11 Dec 2020 12:36

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 91 Resp: 3472272

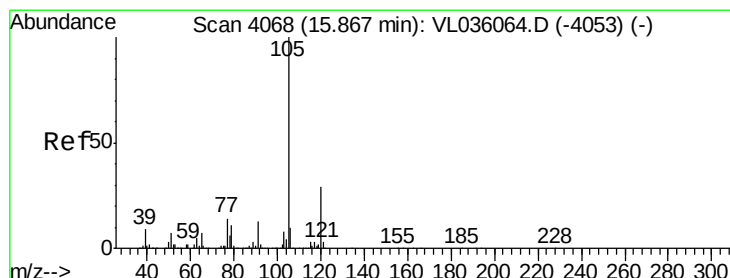
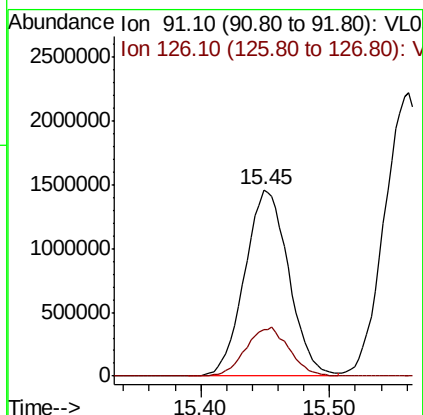
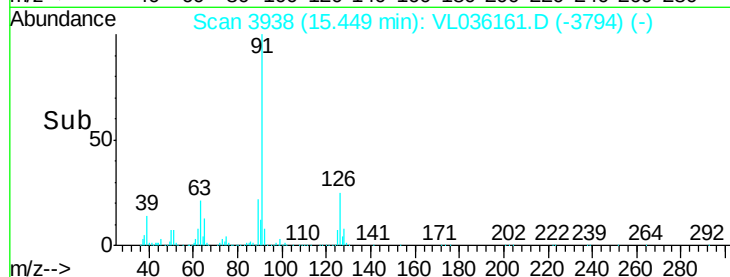
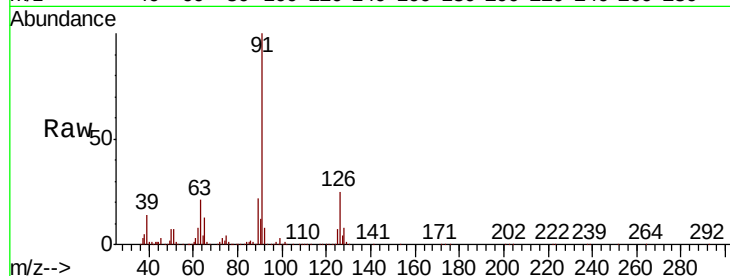
Ion Ratio Lower Upper

91 100

126 26.2 11.6 46.4

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12/15/2020 4:52:19 PM



#72

4-Ethyltoluene

Concen: 11.335 ppbv

RT: 15.84 min Scan# 4059

Delta R.T. -0.03 min

Lab File: VL036161.D

Acq: 11 Dec 2020 12:36

Tgt Ion: 105 Resp: 3290594

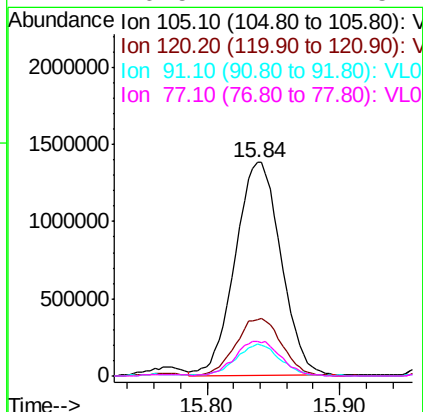
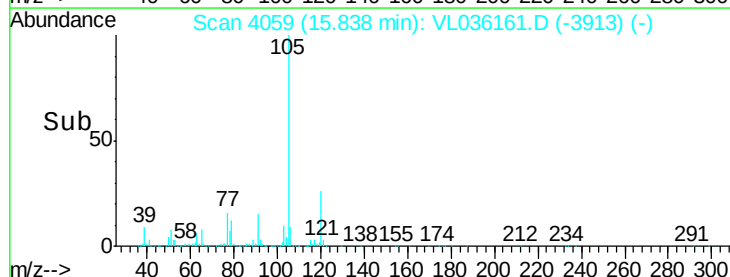
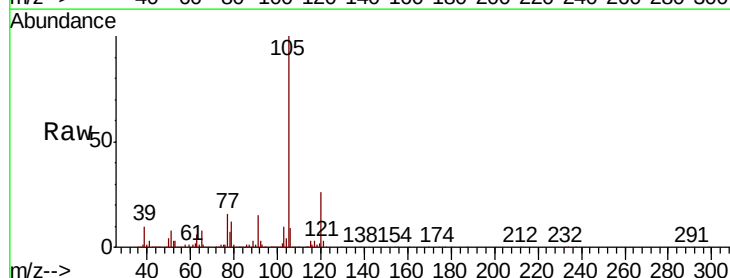
Ion Ratio Lower Upper

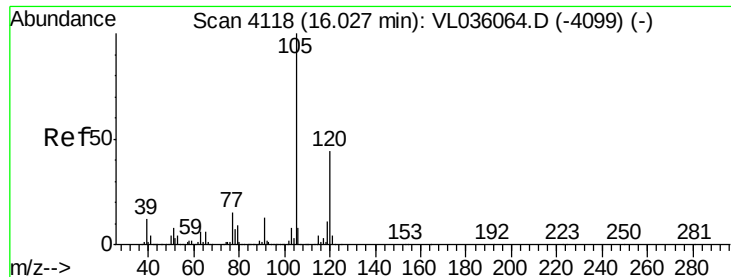
105 100

120 27.7 23.6 35.4

91 14.2 11.4 17.0

77 16.5 12.1 18.1





#73

1,3,5-Trimethylbenzene

Concen: 11.152 ppbv

RT: 16.00 min Scan# 4108

Delta R.T. -0.03 min

Lab File: VL036161.D

Acq: 11 Dec 2020 12:36

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:105 Resp: 3091901

Ion Ratio Lower Upper

105 100

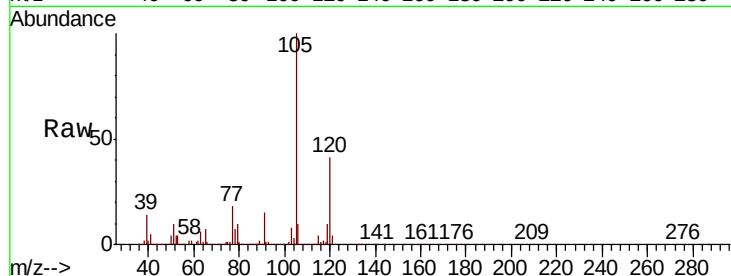
120 41.4 35.4 53.2

Manual Integrations

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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

1500000

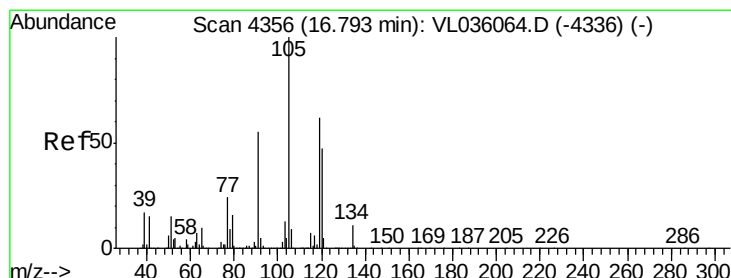
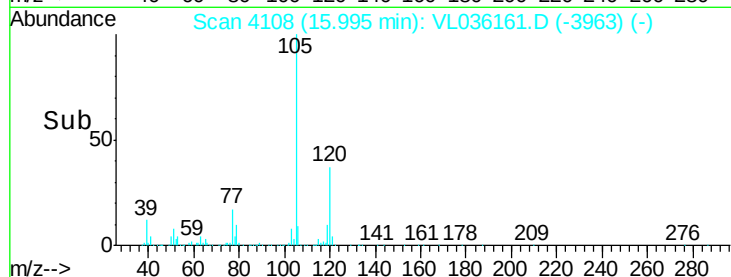
1000000

500000

0

15.90 16.00 16.10

Time-->



#74

1,2,4-Trimethylbenzene

Concen: 11.350 ppbv

RT: 16.76 min Scan# 4346

Delta R.T. -0.03 min

Lab File: VL036161.D

Acq: 11 Dec 2020 12:36

Tgt Ion:105 Resp: 3158969

Ion Ratio Lower Upper

105 100

120 41.7 37.4 56.0

91 63.6 45.6 68.4

77 28.1 19.4 29.2

Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

2000000

1500000

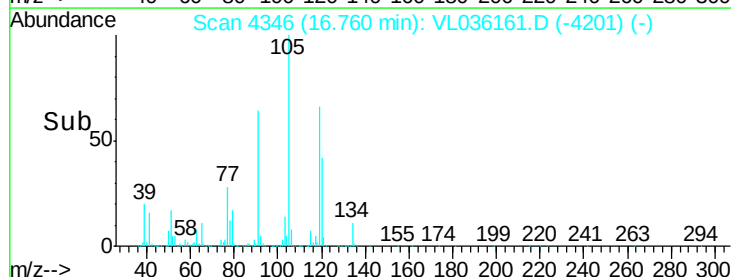
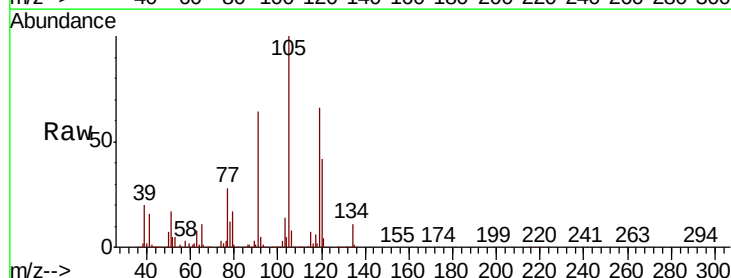
1000000

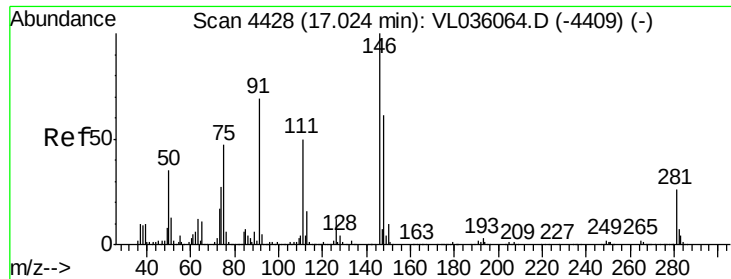
500000

0

16.70 16.80

Time-->





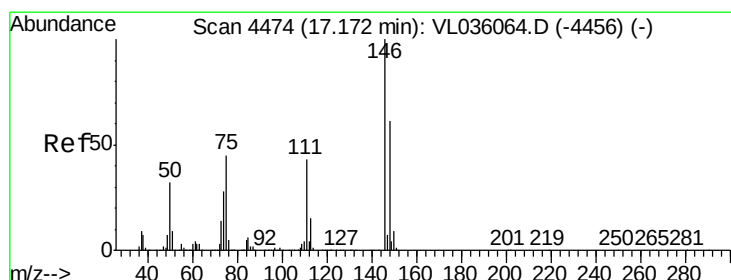
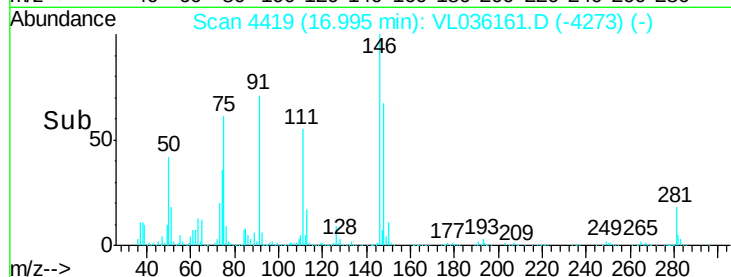
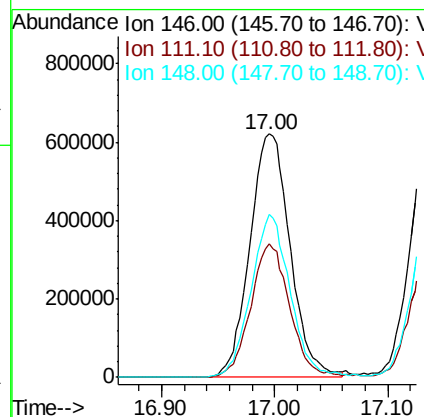
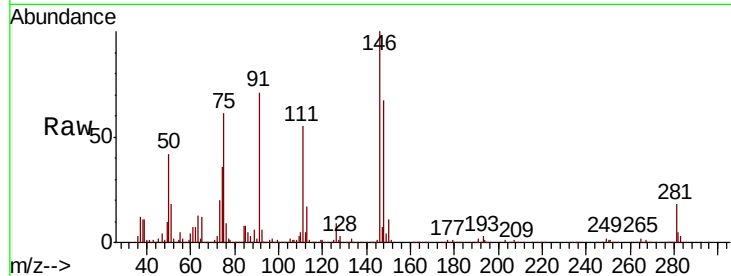
#75
 1,3-Dichlorobenzene
 Concen: 11.047 ppbv
 RT: 17.00 min Scan# 4419
 Delta R.T. -0.03 min
 Lab File: VL036161.D
 Acq: 11 Dec 2020 12:36

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion:146 Resp: 1539063
 Ion Ratio Lower Upper
 146 100
 111 53.3 25.1 75.3
 148 64.9 32.9 98.6

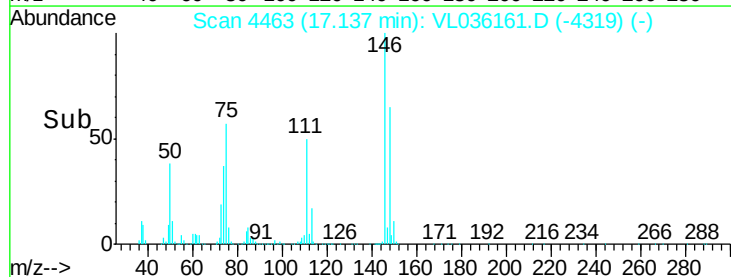
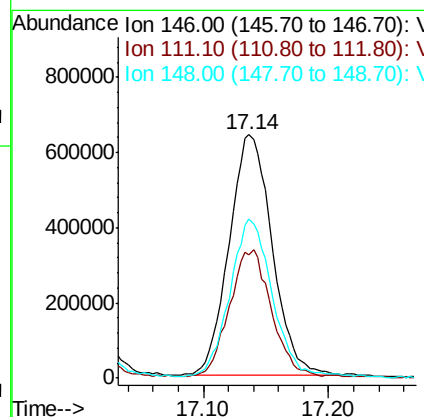
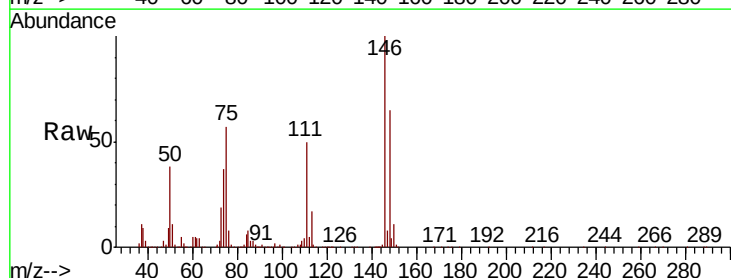
Manual Integrations
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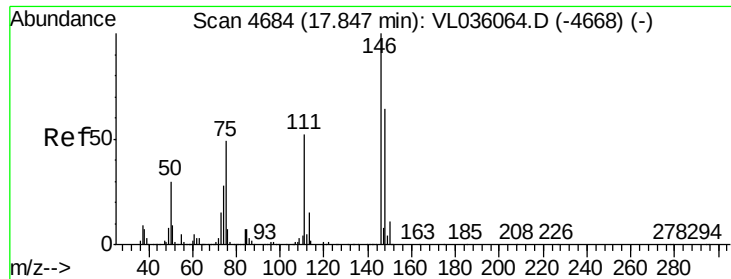
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#76
 1,4-Dichlorobenzene
 Concen: 10.684 ppbv
 RT: 17.14 min Scan# 4463
 Delta R.T. -0.04 min
 Lab File: VL036161.D
 Acq: 11 Dec 2020 12:36

Tgt Ion:146 Resp: 1515435
 Ion Ratio Lower Upper
 146 100
 111 53.1 24.3 72.8
 148 65.9 32.8 98.3





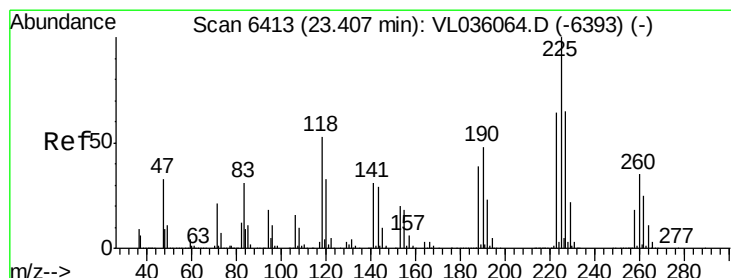
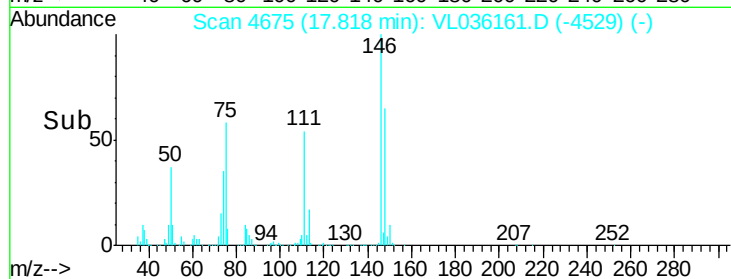
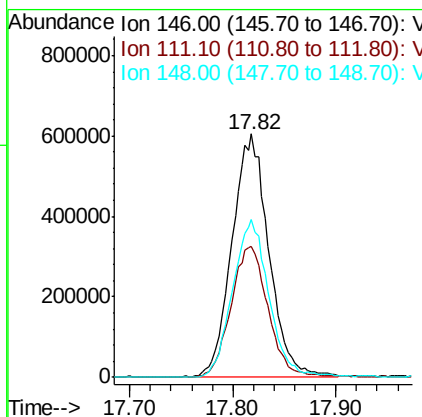
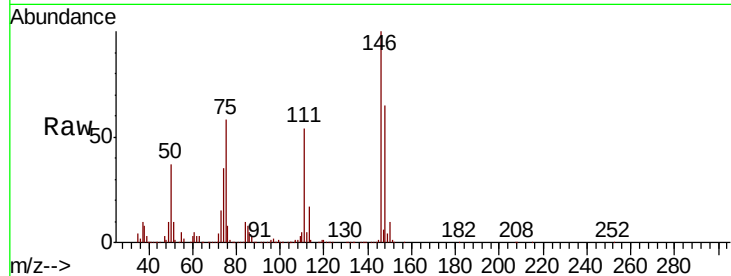
#77
 1,2-Dichlorobenzene
 Concen: 11.187 ppbv
 RT: 17.82 min Scan# 4675
 Delta R.T. -0.03 min
 Lab File: VL036161.D
 Acq: 11 Dec 2020 12:36

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	55.3	26.1	78.2
148	64.4	33.1	99.5

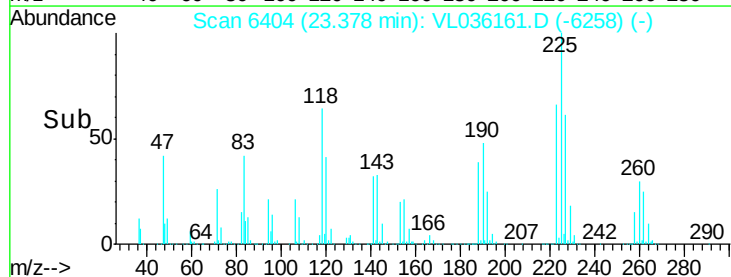
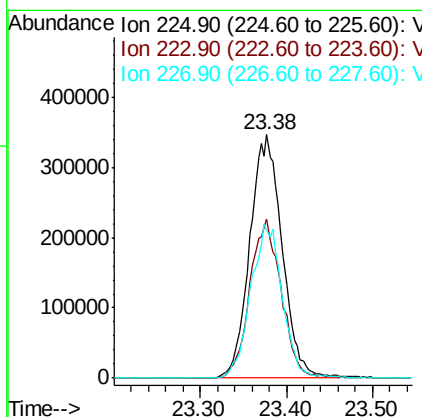
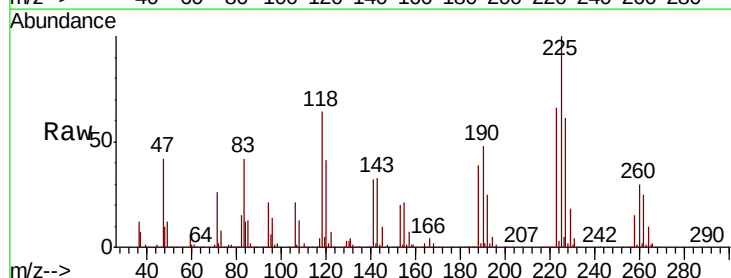
Manual Integrations
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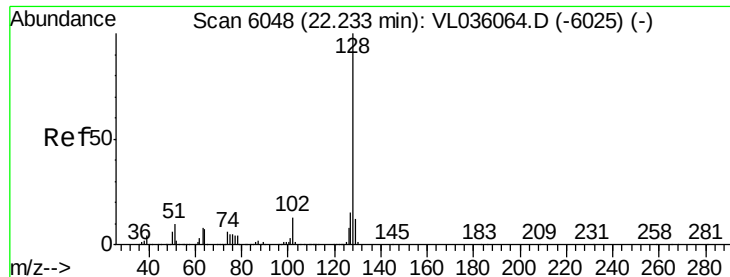
MMDadoda
 12/15/2020 4:52:19 PM



#78
 Hexachloro-1,3-Butadiene
 Concen: 8.383 ppbv
 RT: 23.38 min Scan# 6404
 Delta R.T. -0.03 min
 Lab File: VL036161.D
 Acq: 11 Dec 2020 12:36

Tgt Ion	Ratio	Lower	Upper
225	100		
223	0.0	51.1	76.7#
227	62.3	51.7	77.5





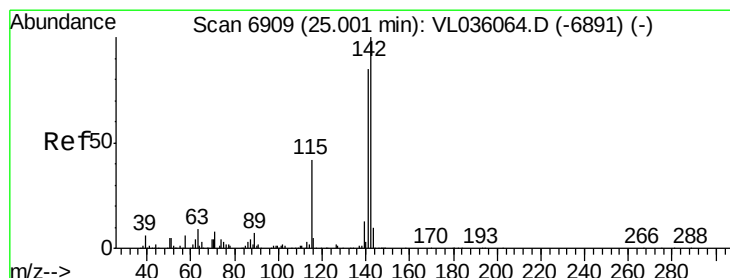
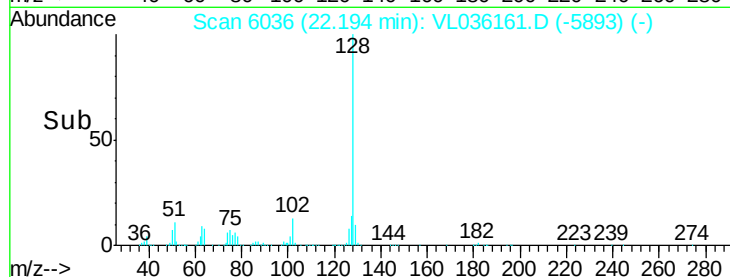
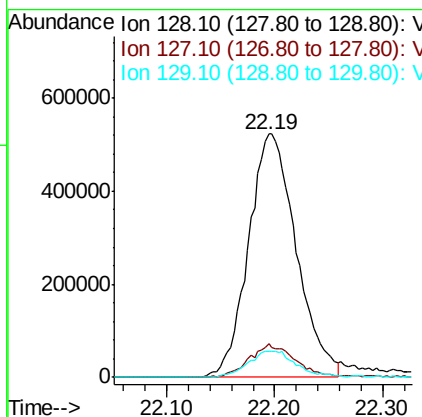
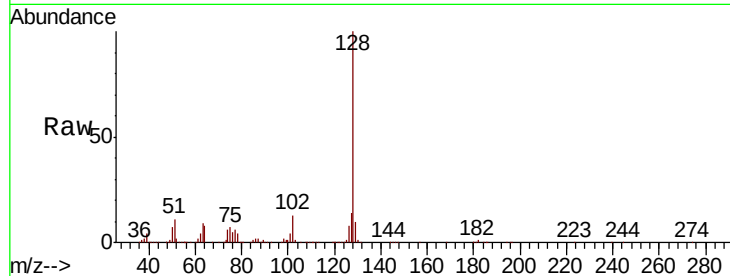
#79
Naphthalene
Concen: 11.336 ppbv
RT: 22.19 min Scan# 6036
Delta R.T. -0.04 min
Lab File: VL036161.D
Acq: 11 Dec 2020 12:36

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.6	11.7	17.5
129	10.4	9.3	13.9

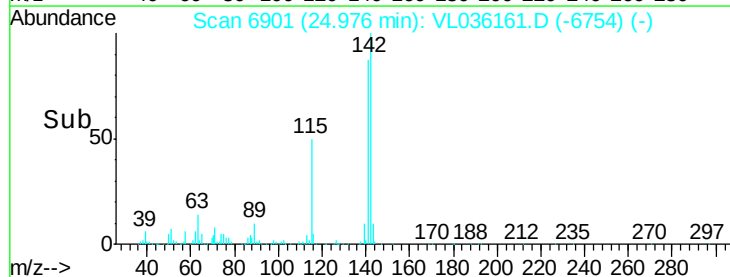
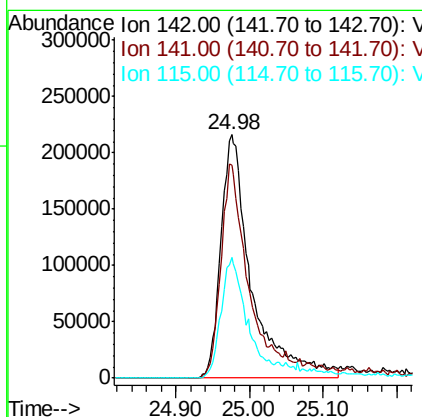
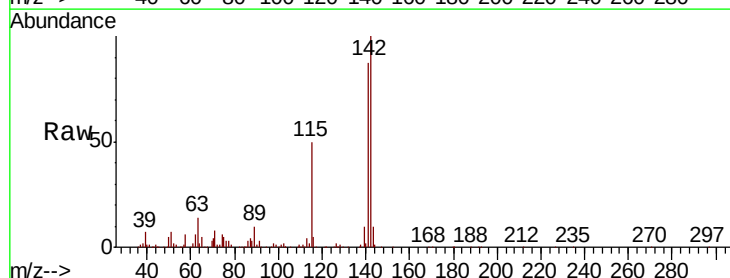
Manual Integrations
APPROVED

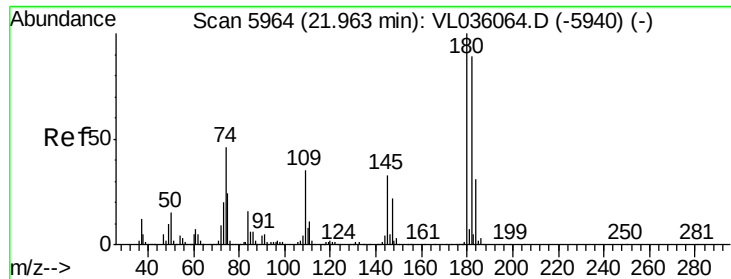
MMDadoda
12/15/2020 4:52:19 PM



#80
Naphthalene, 2-methyl-
Concen: 19.887 ppbv
RT: 24.98 min Scan# 6901
Delta R.T. -0.03 min
Lab File: VL036161.D
Acq: 11 Dec 2020 12:36

Tgt Ion	Ratio	Lower	Upper
142	100		
141	89.6	64.3	96.5
115	50.6	33.9	50.9





#81
 1,2,4-Trichlorobenzene
 Concen: 9.546 ppbv
 RT: 21.93 min Scan# 5953
 Delta R.T. -0.04 min
 Lab File: VL036161.D
 Acq: 11 Dec 2020 12:36

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Resp Lower	Upper
180	100		
182	99.1	0.0	0.0#
184	30.7	0.0	0.0#

Manual Integrations
 APPROVED

MMDadoda
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