

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL120720\
 Data File : VL036067.D
 Acq On : 7 Dec 2020 14:23
 Operator : SY/AP
 Sample : VSTDIC0.5
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Manual Integrations
 APPROVED

MMDadoda
 12/10/2020 9:53:19 AM

Quant Time: Dec 07 15:32:29 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 2020
 QLast Update : Mon Dec 07 13:39:30 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.68	49	1267823	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.19	114	2853900	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.11	117	2588804	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.44	95	2031803	10.27	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.70%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.06	85	92209	0.418 ppbv	98
3) Chlorodifluoromethane	3.00	51	74108	0.495 ppbv	99
4) Chloromethane	3.15	50	38133	0.521 ppbv #	78
5) Vinyl Chloride	3.27	62	33120	0.356 ppbv #	89
6) Bromomethane	3.49	94	21334m	0.292 ppbv	
7) Chloroethane	3.57	64	15450m	0.463 ppbv	
8) Dichlorotetrafluoroethane	3.20	85	90428m	0.347 ppbv	
9) Propene	3.02	41	40868m	0.782 ppbv	
10) Heptane	8.14	43	101681m	0.713 ppbv	
11) Trichlorofluoromethane	3.97	101	89196m	0.298 ppbv	
12) 1,1,2-Trichlorotrifluoroet	4.49	101	62545m	0.278 ppbv	
13) Ethanol	3.64	45	5952m	0.563 ppbv	
14) Bromoethene	3.75	108	24883m	0.273 ppbv	
15) Acetone	3.87	43	88172m	0.669 ppbv	
16) 1,3-Butadiene	3.34	39	41816m	0.722 ppbv	
17) tert-Butyl alcohol	4.32	59	86326m	0.598 ppbv	
18) 1,1-Dichloroethene	4.30	96	28055m	0.281 ppbv	
19) Isopropyl Alcohol	4.00	45	54951m	0.778 ppbv	
20) Methylene Chloride	4.36	84	40145m	0.352 ppbv	
21) Allyl Chloride	4.43	41	55662m	0.793 ppbv	
22) trans-1,2-Dichloroethene	4.90	96	26378m	0.266 ppbv	
23) Vinyl Acetate	5.10	43	109893m	0.706 ppbv	
24) 1,1-Dichloroethane	5.03	63	75669m	0.426 ppbv	
25) Ethyl Acetate	5.71	43	162530m	0.614 ppbv	
26) Hexane	5.71	57	76988m	0.547 ppbv	
27) Carbon Disulfide	4.56	76	65438m	0.319 ppbv	
28) Methyl tert-Butyl Ether	5.06	73	104473m	0.498 ppbv	
29) Chloroform	5.77	83	95194	0.358 ppbv	99
30) Cyclohexane	7.15	84	55072m	0.415 ppbv	
31) cis-1,2-Dichloroethene	5.56	61	68457m	0.532 ppbv	
32) 1,1,1-Trichloroethane	6.53	97	89211	0.366 ppbv	97
34) 2-Butanone	5.27	43	105747m	1.081 ppbv	
35) Carbon Tetrachloride	7.04	117	80596	0.540 ppbv	90
36) Benzene	6.91	78	129935m	0.666 ppbv	
37) 1,2-Dichloroethane	6.32	62	69778m	0.689 ppbv	
38) Trichloroethene	7.85	130	45713	0.523 ppbv	96
39) 1,2-Dichloropropane	7.64	63	48921m	0.654 ppbv	
40) 1,4-Dioxane	7.89	88	18128m	0.727 ppbv	
41) Tetrahydrofuran	6.10	42	61235m	1.199 ppbv	
42) Bromodichloromethane	7.81	83	95306m	0.595 ppbv	
43) Methyl Methacrylate	8.04	69	51591m	0.726 ppbv	

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Manual Integrations
 APPROVED

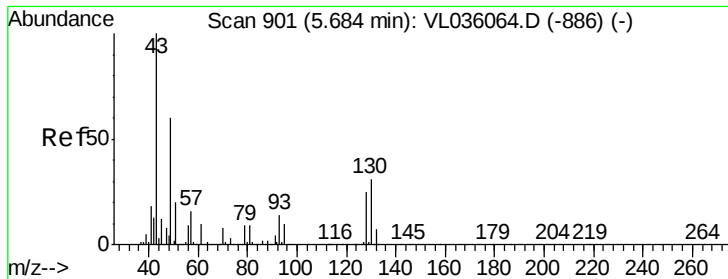
MMDadoda
 12/10/2020 9:53:19 AM

Quant Time: Dec 07 15:32:29 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 13:39:30 2020
 Response via : Initial Calibration

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

44) 2,2,4-Trimethylpentane	7.89	57	236901	0.819	ppbv	99
45) t-1,3-Dichloropropene	9.31	75	47812m	0.711	ppbv	
46) cis-1,3-Dichloropropene	8.73	75	64797m	0.719	ppbv	
47) 1,1,2-Trichloroethane	9.50	97	48018m	0.512	ppbv	
48) Dibromochloromethane	10.34	129	65838m	0.499	ppbv	
49) Bromoform	13.07	173	47364m	0.484	ppbv	
50) 4-Methyl-2-Pentanone	8.79	43	153558m	1.033	ppbv	
51) 2-Hexanone	10.19	43	113201m	1.052	ppbv	
52) Tetrachloroethene	11.24	164	43055m	0.569	ppbv	
53) Toluene	9.83	91	141487	0.666	ppbv	97
54) 1,2-Dibromoethane	10.64	107	76442m	0.575	ppbv	
56) 1,1,1,2-Tetrachloroethane	12.15	131	57272m	0.542	ppbv	
57) Chlorobenzene	12.17	112	98925m	0.518	ppbv	
58) Ethyl Benzene	12.73	91	192397	0.751	ppbv	93
59) m/p-Xylene	13.02	91	323667m	1.386	ppbv	
60) o-Xylene	13.72	91	160159	0.680	ppbv	97
61) Styrene	13.55	104	93982m	0.704	ppbv	
62) Isopropylbenzene	14.70	105	236775m	0.677	ppbv	
63) 1,1,2,2-Tetrachloroethane	13.70	83	98129m	0.497	ppbv	
64) n-propylbenzene	15.58	120	56129m	0.610	ppbv	
65) tert-Butylbenzene	16.78	119	183971m	0.628	ppbv	
66) Benzyl Chloride	17.02	91	35653m	0.505	ppbv	
67) sec-Butylbenzene	17.32	105	263155m	0.657	ppbv	
69) p-Isopropyltoluene	17.68	119	211041m	0.698	ppbv	
70) n-Butylbenzene	18.58	91	193229	0.645	ppbv	100
71) 2-Chlorotoluene	15.48	91	175497m	0.730	ppbv	
72) 4-Ethyltoluene	15.87	105	162984	0.672	ppbv	100
73) 1,3,5-Trimethylbenzene	16.02	105	158267m	0.696	ppbv	
74) 1,2,4-Trimethylbenzene	16.79	105	156584m	0.618	ppbv	
75) 1,3-Dichlorobenzene	17.02	146	78061m	0.509	ppbv	
76) 1,4-Dichlorobenzene	17.17	146	81135m	0.560	ppbv	
77) 1,2-Dichlorobenzene	17.85	146	77233m	0.549	ppbv	
78) Hexachloro-1,3-Butadiene	23.42	225	61875m	0.800	ppbv	
79) Naphthalene	22.25	128	66486m	0.562	ppbv	
80) Naphthalene, 2-methyl-	25.07	142	2734	0.114	ppbv #	42
81) 1,2,4-Trichlorobenzene	21.97	180	46769m	0.576	ppbv	

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.68 min Scan# 901

Delta R.T. -0.00 min

Lab File: VL036067.D

Acq: 7 Dec 2020 14:23

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tot Ion: 49 Resp: 1267823

Ion Ratio Lower Upper

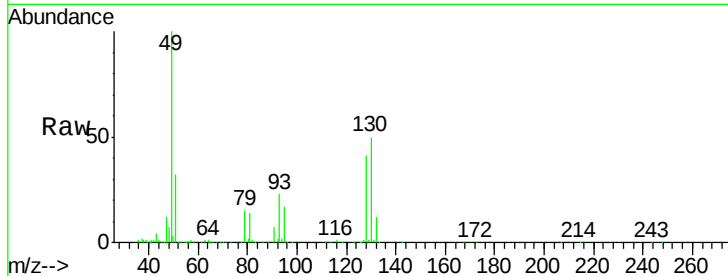
49 100

128 41.5 21.1 63.1

130 52.2 27.1 81.3

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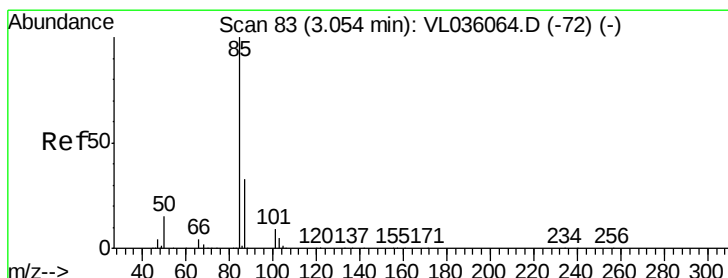
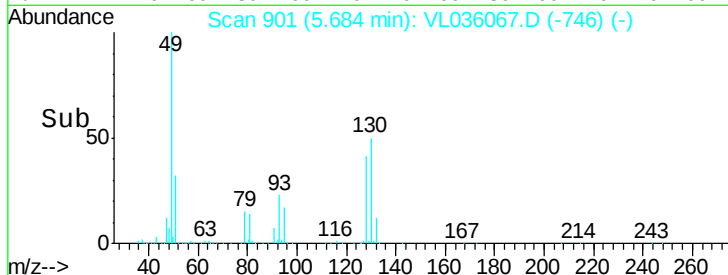
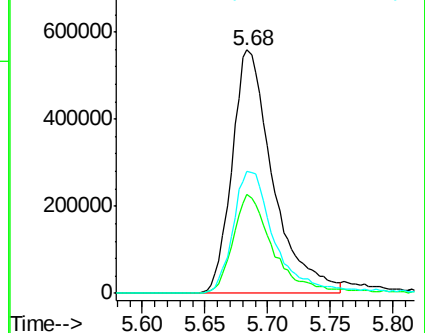
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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#2

Dichlorodifluoromethane

Concen: 0.418 ppbv

RT: 3.06 min Scan# 85

Delta R.T. 0.01 min

Lab File: VL036067.D

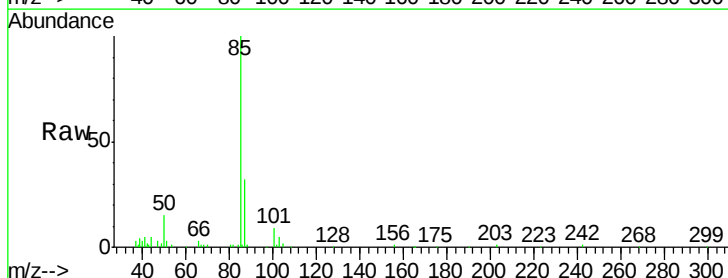
Acq: 7 Dec 2020 14:23

Tgt Ion: 85 Resp: 92209

Ion Ratio Lower Upper

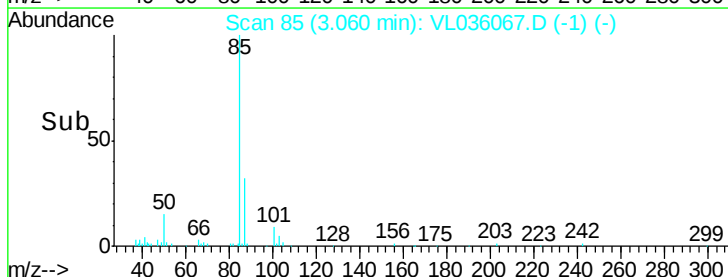
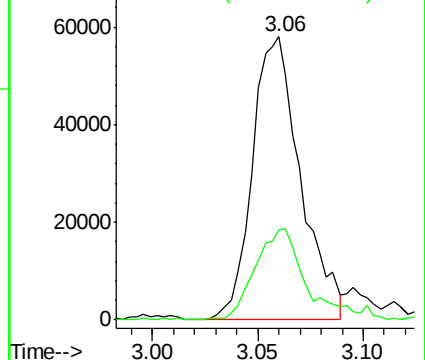
85 100

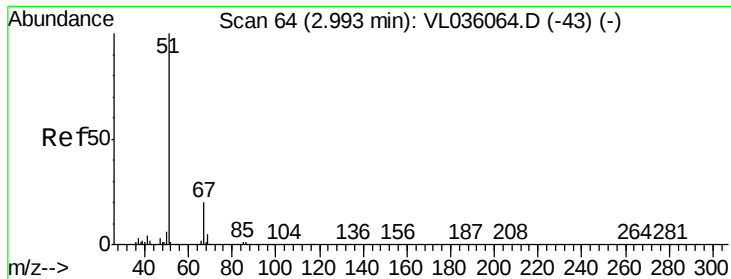
87 31.9 26.5 39.7



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 0.495 ppbv

RT: 3.00 min Scan# 65

Delta R.T. 0.00 min

Lab File: VL036067.D

Acq: 7 Dec 2020 14:23

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tot Ion: 51 Resp: 74108

Ion Ratio Lower Upper

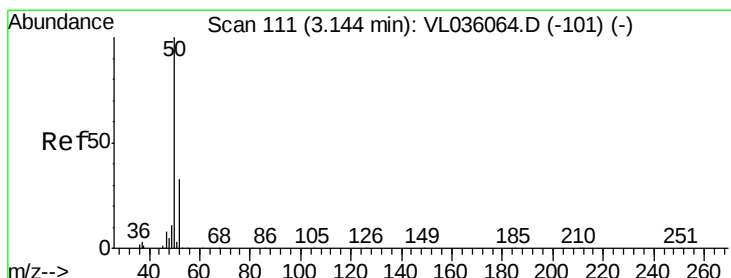
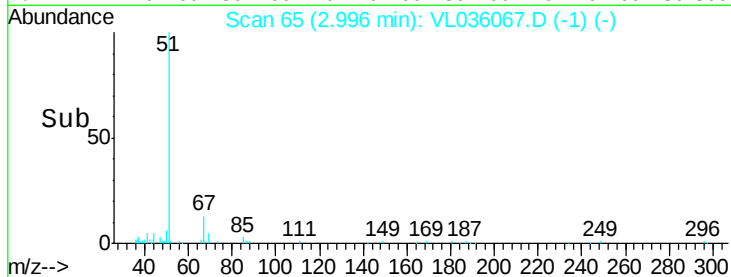
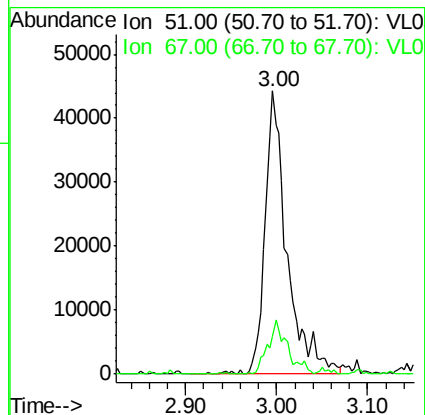
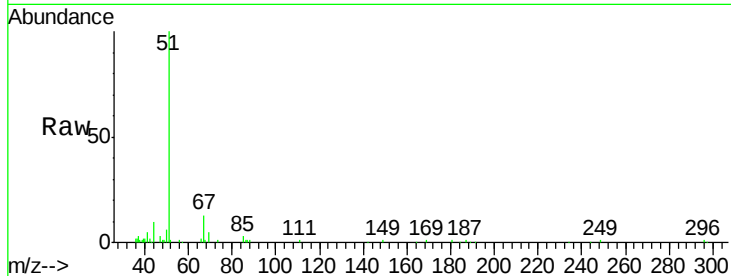
51 100

67 18.1 14.3 21.5

Manual Integrations
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#4

Chloromethane

Concen: 0.521 ppbv

RT: 3.15 min Scan# 113

Delta R.T. 0.01 min

Lab File: VL036067.D

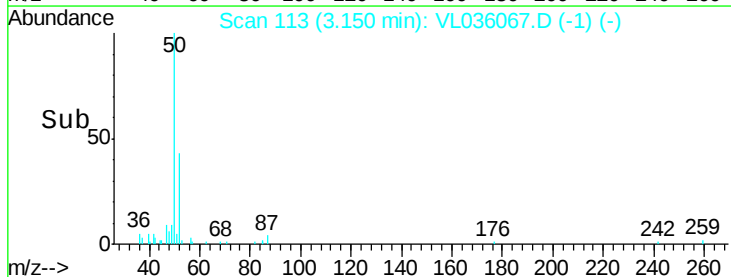
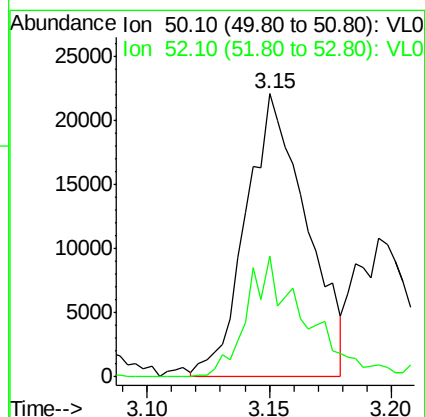
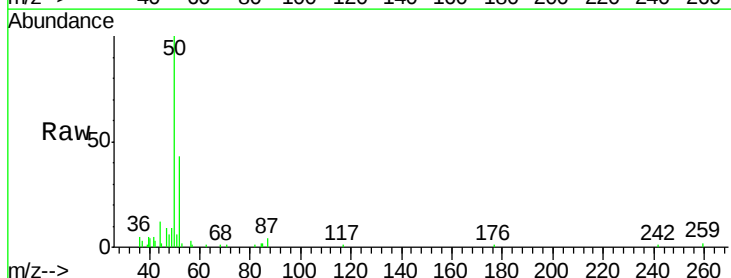
Acq: 7 Dec 2020 14:23

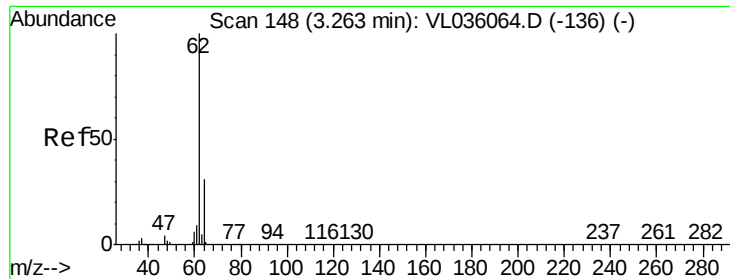
Tgt Ion: 50 Resp: 38133

Ion Ratio Lower Upper

50 100

52 45.2 26.1 39.1#





#5

Vinyl Chloride

Concen: 0.356 ppbv

RT: 3.27 min Scan# 150

Delta R.T. 0.01 min

Lab File: VL036067.D

Acq: 7 Dec 2020 14:23

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tot Ion: 62 Resp: 33120

Ion Ratio Lower Upper

62 100

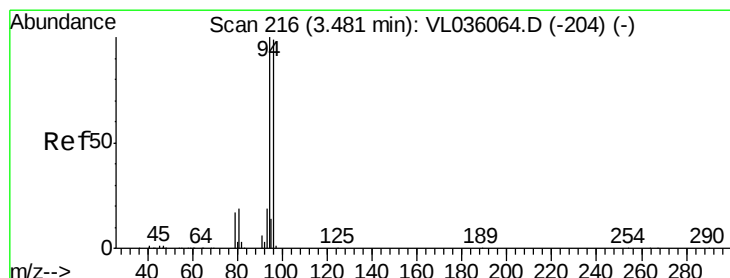
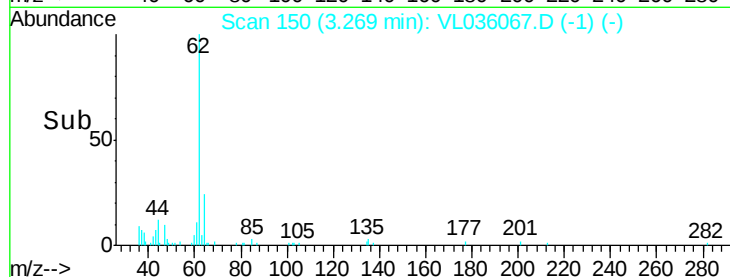
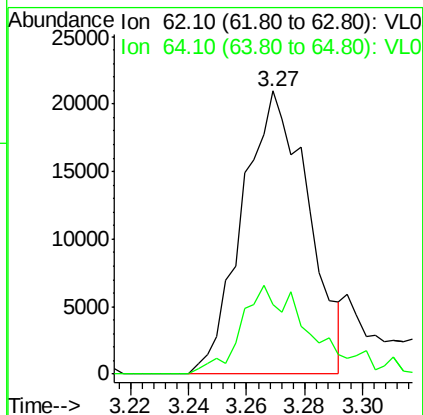
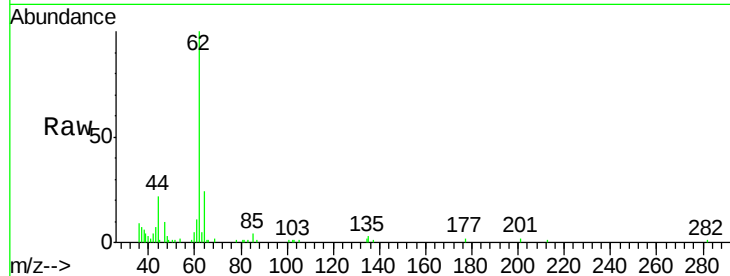
64 24.4 24.5 36.7#

Manual Integrations

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#6

Bromomethane

Concen: 0.292 ppbv m

RT: 3.49 min Scan# 218

Delta R.T. 0.01 min

Lab File: VL036067.D

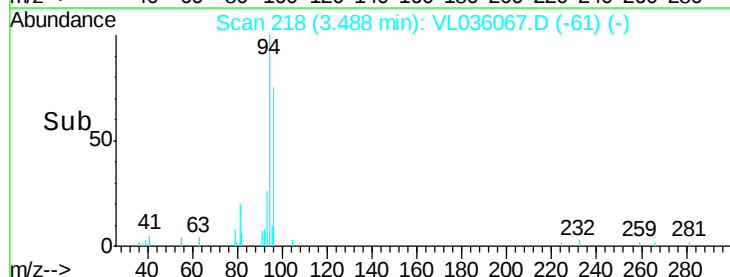
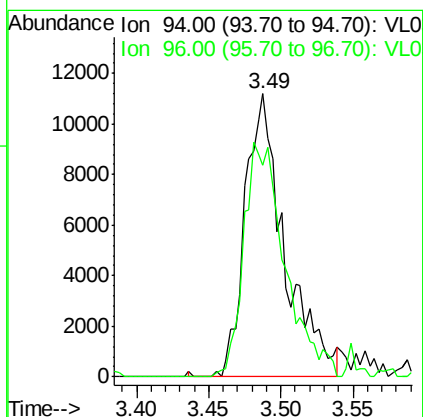
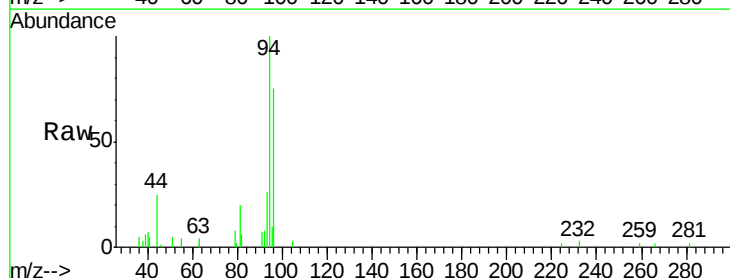
Acq: 7 Dec 2020 14:23

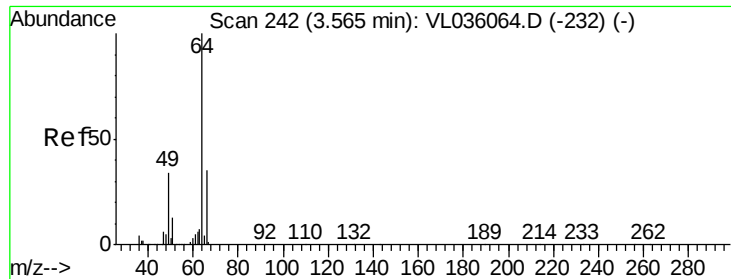
Tgt Ion: 94 Resp: 21334

Ion Ratio Lower Upper

94 100

96 74.9 79.4 119.0#





#7

Chloroethane

Concen: 0.463 ppbv m

RT: 3.57 min Scan# 244

Delta R.T. 0.01 min

Lab File: VL036067.D

Acq: 7 Dec 2020 14:23

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tot Ion: 64 Resp: 15450

Ion Ratio Lower Upper

64 100

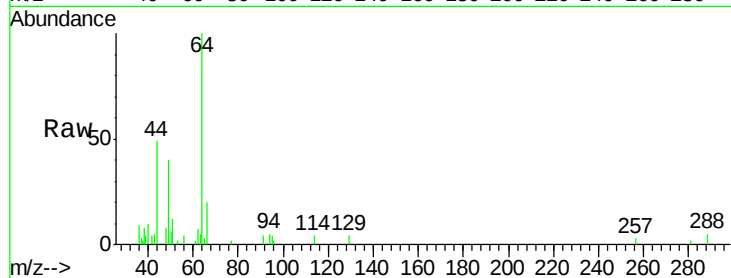
66 20.2 27.7 41.5#

Manual Integrations

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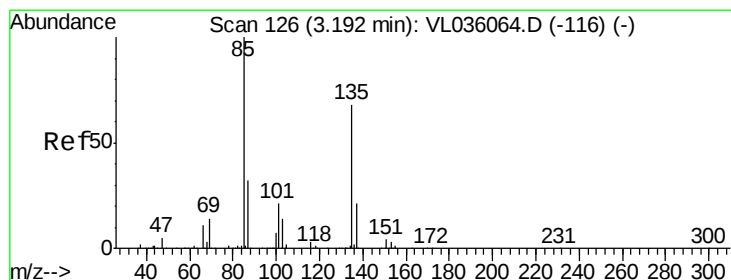
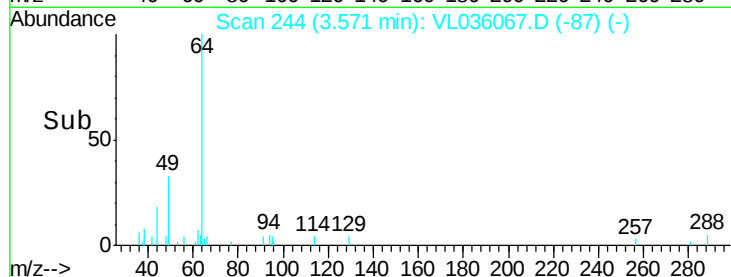
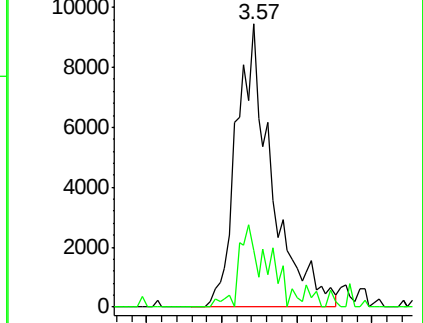
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Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0



#8

Dichlorotetrafluoroethane

Concen: 0.347 ppbv m

RT: 3.20 min Scan# 127

Delta R.T. 0.00 min

Lab File: VL036067.D

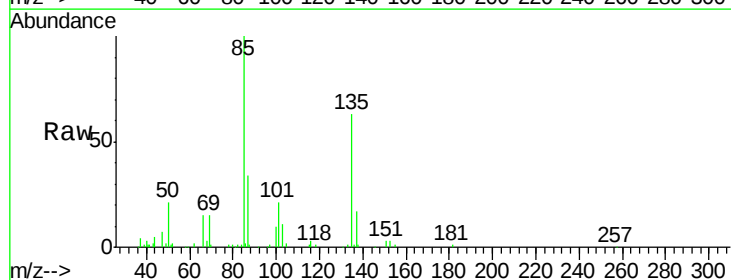
Acq: 7 Dec 2020 14:23

Tgt Ion: 85 Resp: 90428

Ion Ratio Lower Upper

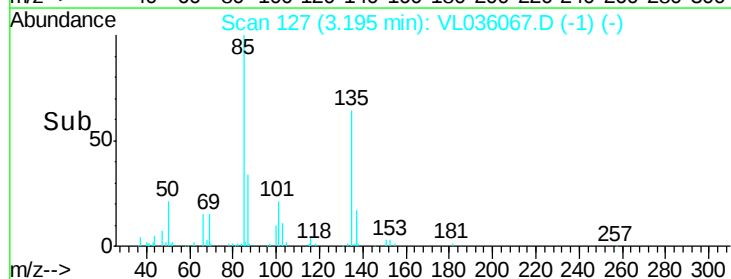
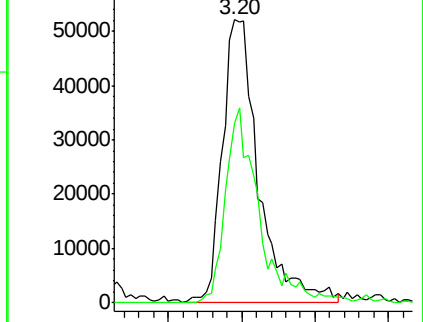
85 100

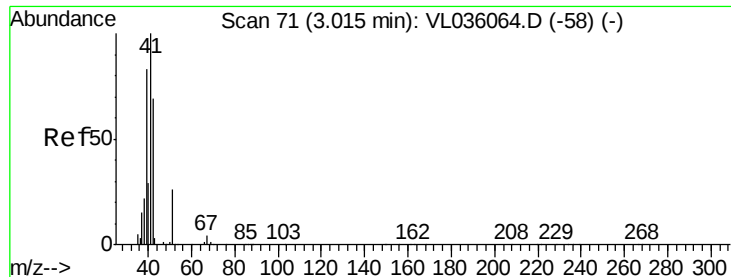
135 64.6 53.8 80.8



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V





#9

Propene

Concen: 0.782 ppbv m

RT: 3.02 min Scan# 73

Delta R.T. 0.01 min

Lab File: VL036067.D

Acq: 7 Dec 2020 14:23

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tot Ion: 41 Resp: 40868

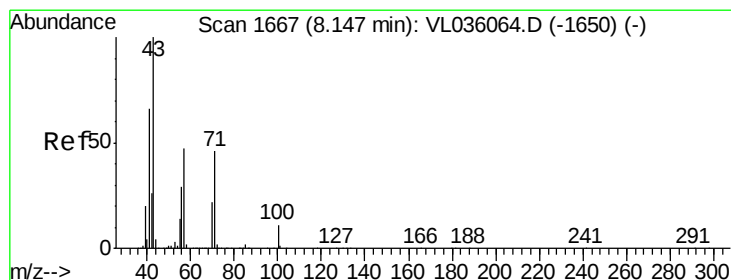
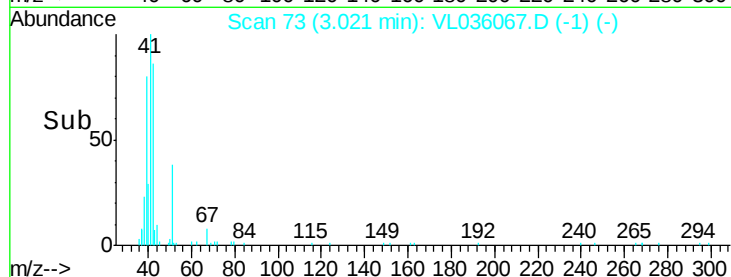
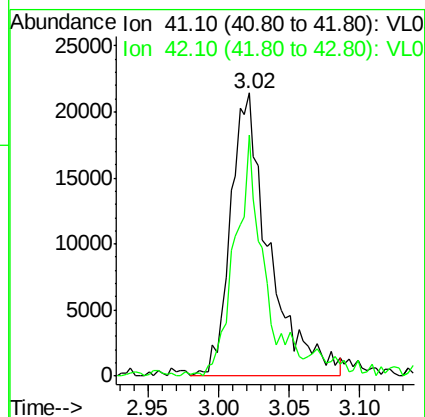
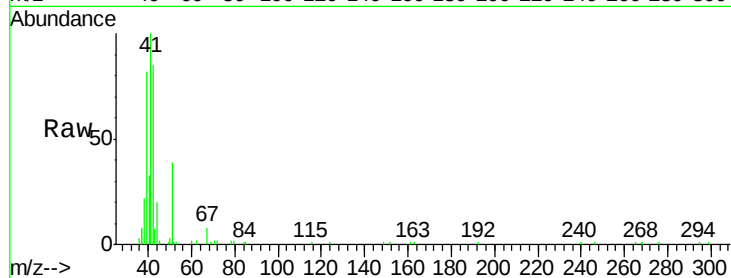
Ion Ratio Lower Upper

41 100

42 71.5 57.0 85.6

Manual Integrations
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#10

Heptane

Concen: 0.713 ppbv m

RT: 8.14 min Scan# 1664

Delta R.T. -0.01 min

Lab File: VL036067.D

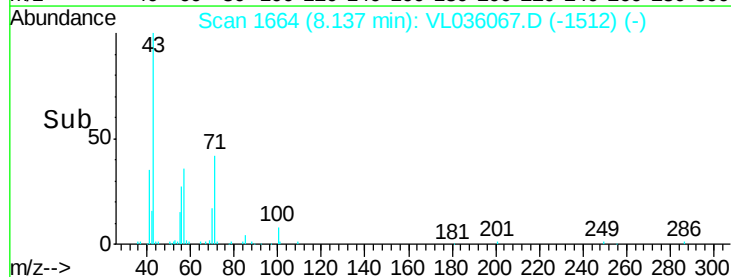
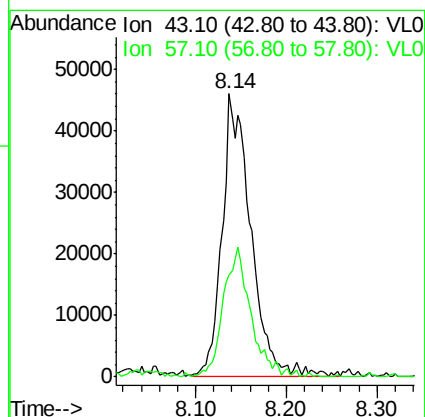
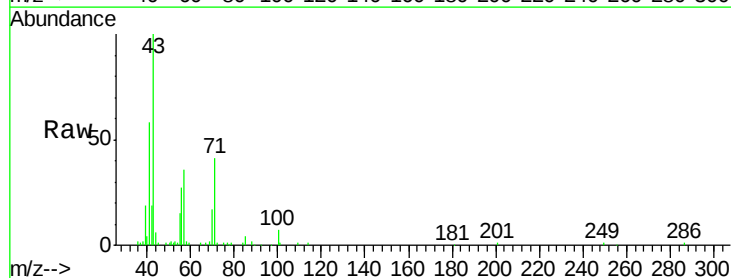
Acq: 7 Dec 2020 14:23

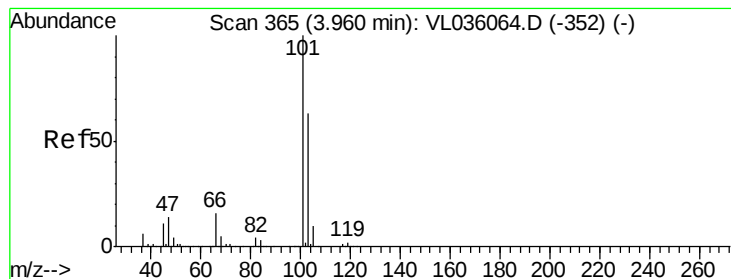
Tgt Ion: 43 Resp: 101681

Ion Ratio Lower Upper

43 100

57 44.3 37.9 56.9





#11

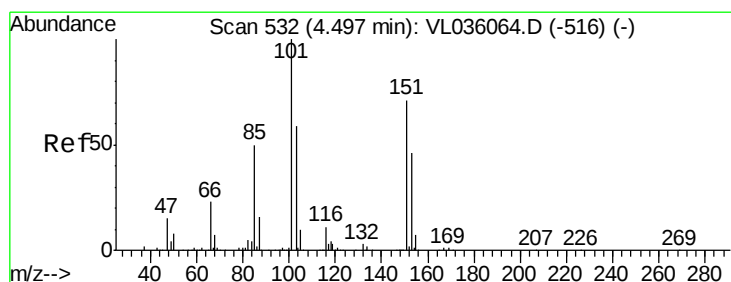
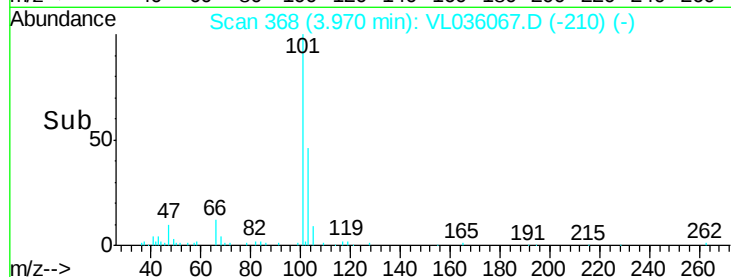
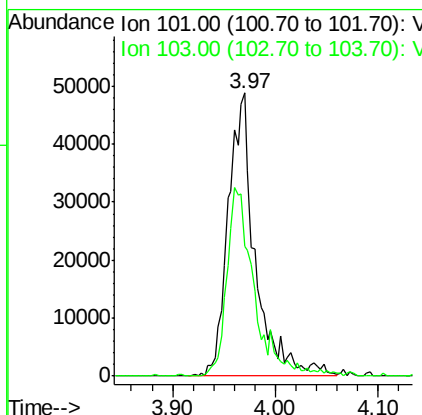
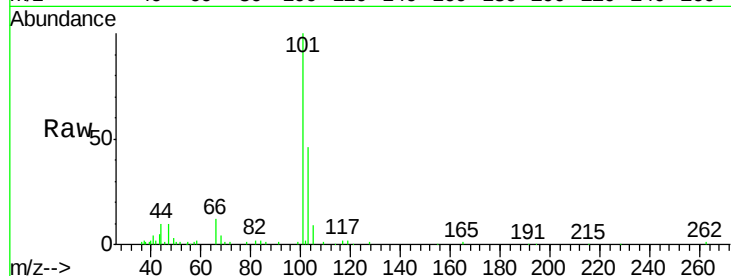
Trichlorofluoromethane
Concen: 0.298 ppbv m
RT: 3.97 min Scan# 368
Delta R.T. 0.01 min
Lab File: VL036067.D
Acq: 7 Dec 2020 14:23

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion	101	Resp	89196
Ion Ratio	Lower	Upper	
101	100		
103	45.7	50.3	75.5#

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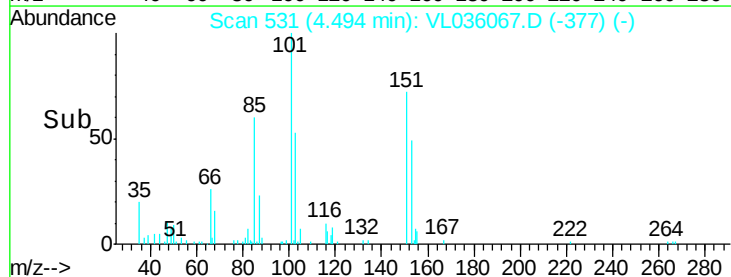
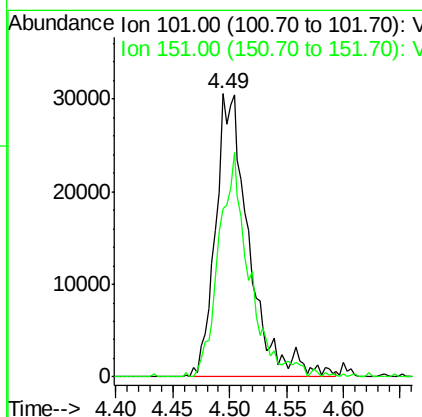
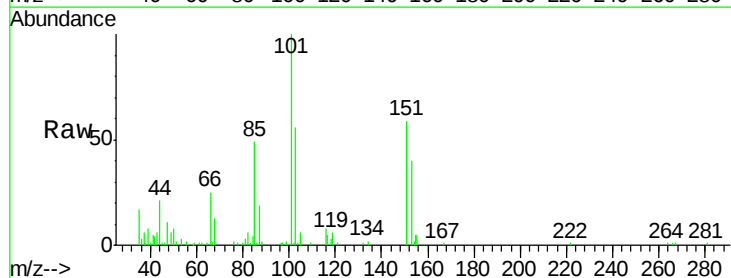
MMDadoda
12/10/2020 9:53:19 AM

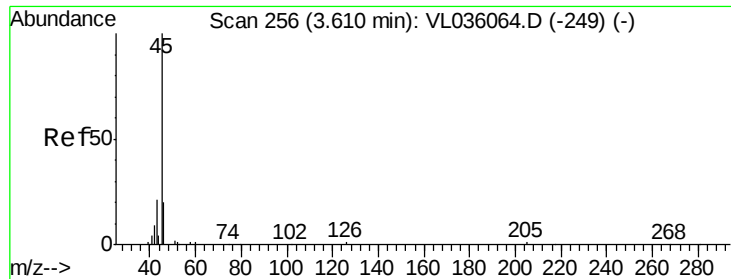


#12

1,1,2-Trichlorotrifluoroethane
Concen: 0.278 ppbv m
RT: 4.49 min Scan# 531
Delta R.T. -0.00 min
Lab File: VL036067.D
Acq: 7 Dec 2020 14:23

Tgt Ion	101	Resp	62545
Ion Ratio	Lower	Upper	
101	100		
151	0.0	59.3	88.9#





#13

Ethanol

Concen: 0.563 ppbv m

RT: 3.64 min Scan# 265

Delta R.T. 0.03 min

Lab File: VL036067.D

Acq: 7 Dec 2020 14:23

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tot Ion: 45 Resp: 5952

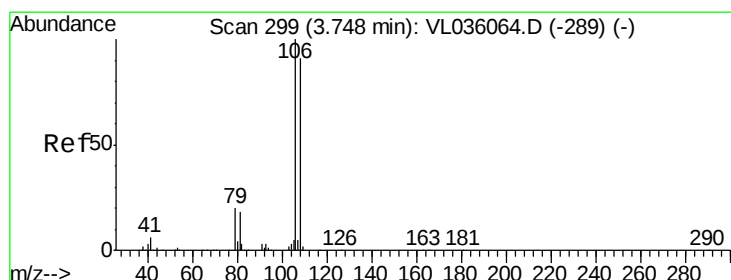
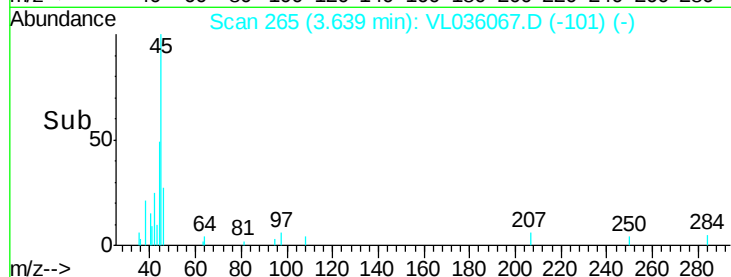
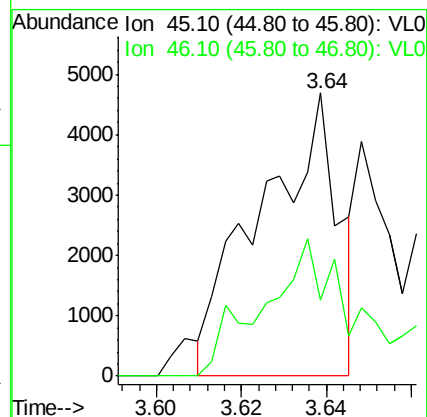
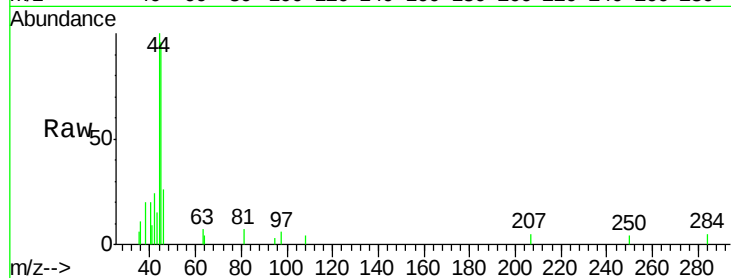
Ion Ratio Lower Upper

45 100

46 0.0 19.0 75.8#

Manual Integrations
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#14

Bromoethene

Concen: 0.273 ppbv m

RT: 3.75 min Scan# 300

Delta R.T. 0.00 min

Lab File: VL036067.D

Acq: 7 Dec 2020 14:23

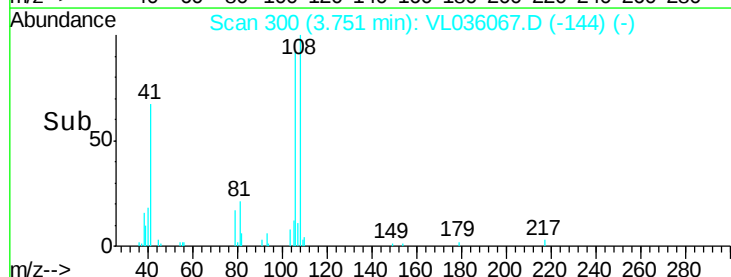
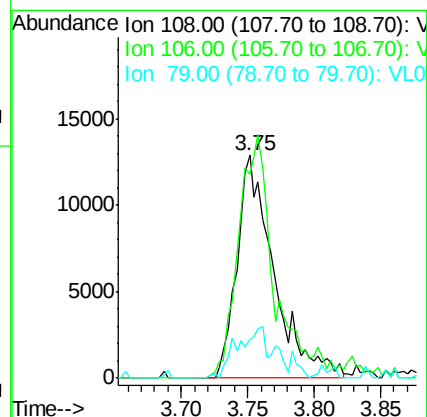
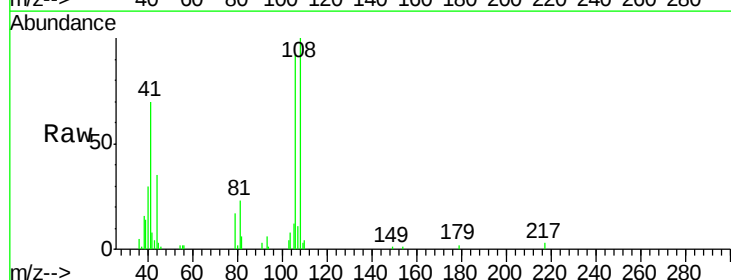
Tgt Ion: 108 Resp: 24883

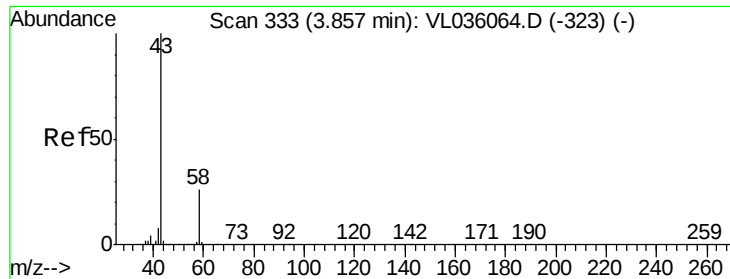
Ion Ratio Lower Upper

108 100

106 106.9 91.0 136.4

79 26.5 19.3 28.9





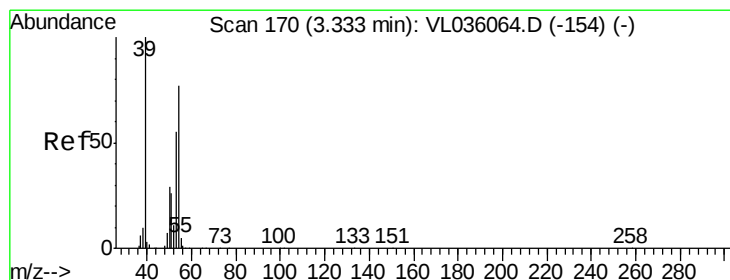
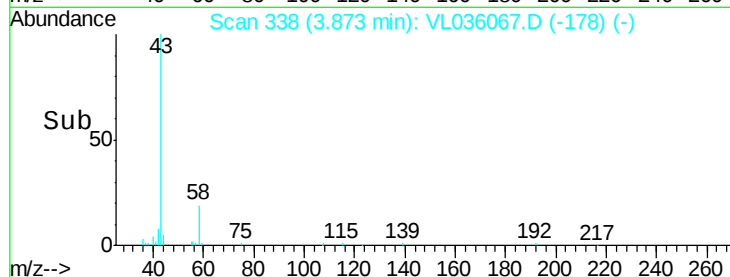
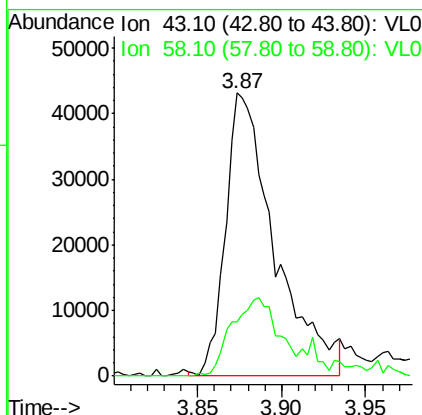
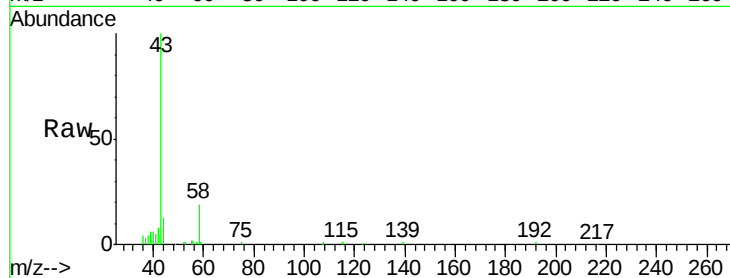
#15
Acetone
Concen: 0.669 ppbv m
RT: 3.87 min Scan# 338
Delta R.T. 0.02 min
Lab File: VL036067.D
Acq: 7 Dec 2020 14:23

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion: 43 Resp: 88172
Ion Ratio Lower Upper
43 100
58 32.6 20.9 31.3#

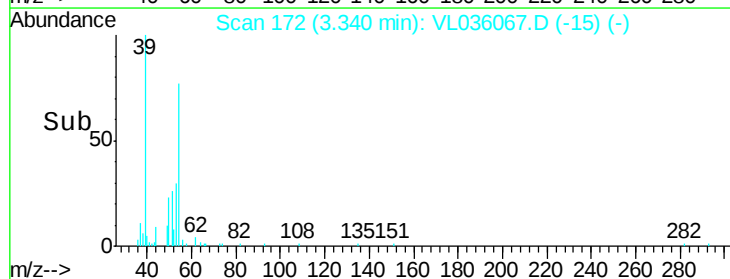
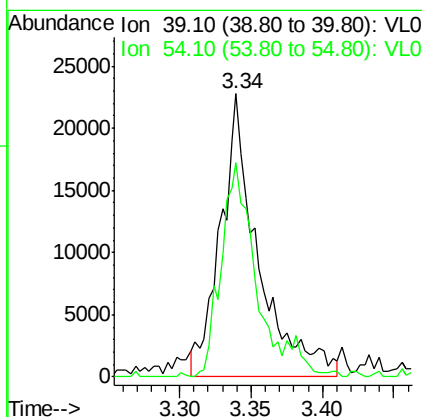
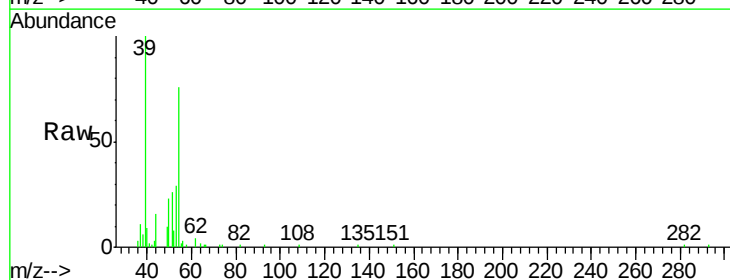
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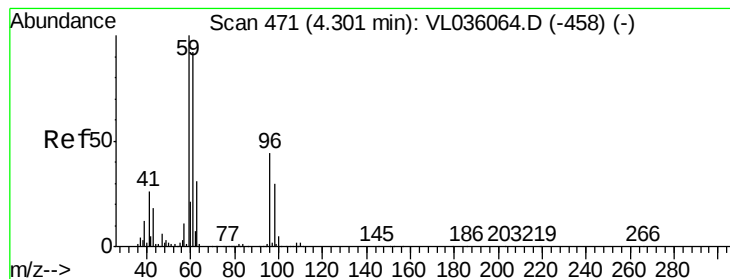
MMDadoda
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#16
1,3-Butadiene
Concen: 0.722 ppbv m
RT: 3.34 min Scan# 172
Delta R.T. 0.01 min
Lab File: VL036067.D
Acq: 7 Dec 2020 14:23

Tgt Ion: 39 Resp: 41816
Ion Ratio Lower Upper
39 100
54 0.0 62.1 93.1#





#17

tert-Butyl alcohol

Concen: 0.598 ppbv m

RT: 4.32 min Scan# 478

Delta R.T. 0.02 min

Lab File: VL036067.D

Acq: 7 Dec 2020 14:23

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tot Ion: 59 Resp: 86326

Ion Ratio Lower Upper

59 100

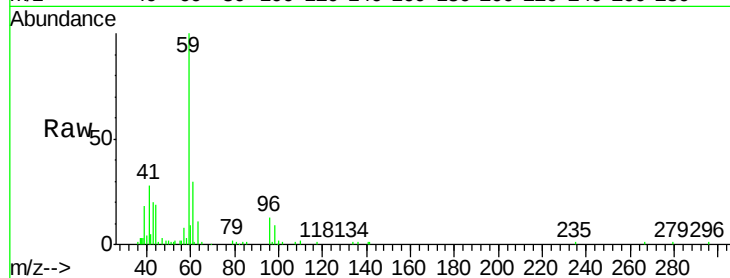
57 0.4 8.7 13.1#

Manual Integrations

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Abundance Ion 59.10 (58.80 to 59.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

4.32

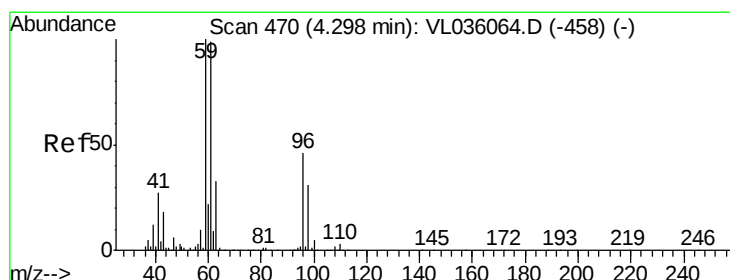
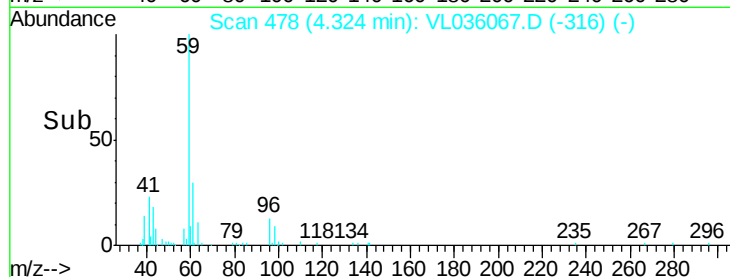
30000

20000

10000

0

Time--> 4.20 4.30 4.40



#18

1,1-Dichloroethene

Concen: 0.281 ppbv m

RT: 4.30 min Scan# 472

Delta R.T. 0.01 min

Lab File: VL036067.D

Acq: 7 Dec 2020 14:23

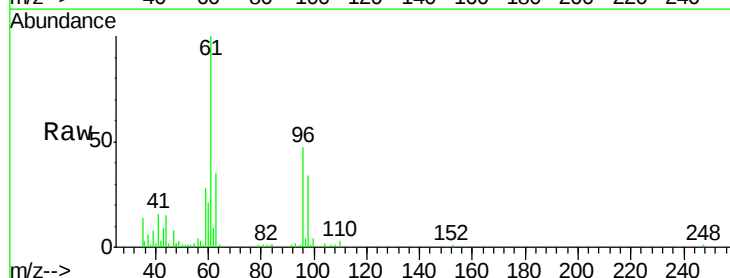
Tgt Ion: 96 Resp: 28055

Ion Ratio Lower Upper

96 100

61 210.9 171.4 257.2

98 71.7 54.2 81.2



Abundance Ion 96.00 (95.70 to 96.70): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

4.30

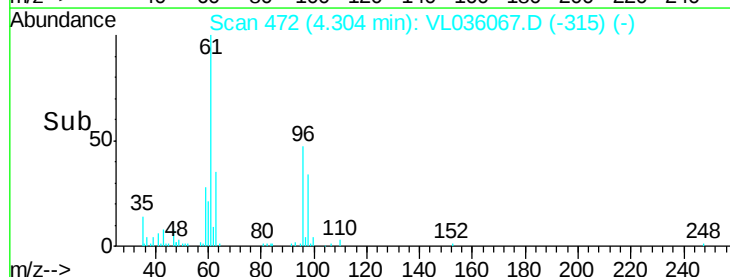
30000

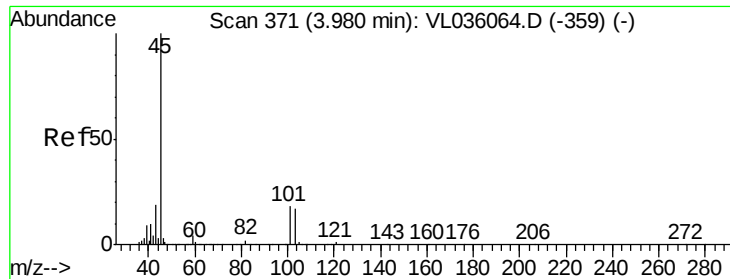
20000

10000

0

Time--> 4.25 4.30 4.35 4.40





#19

Isopropyl Alcohol

Concen: 0.778 ppbv m

RT: 4.00 min Scan# 377

Delta R.T. 0.02 min

Lab File: VL036067.D

Acq: 7 Dec 2020 14:23

Tot Ion: 45 Resp: 54951

Ion Ratio Lower Upper

45 100

58 0.0 0.0 0.0

Instrument :

MSVOA_L

ClientSampleId :

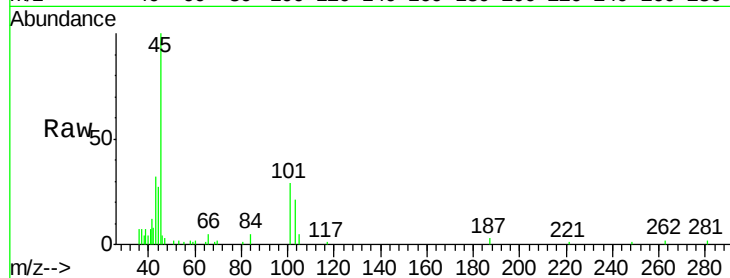
VSTDIC0.5

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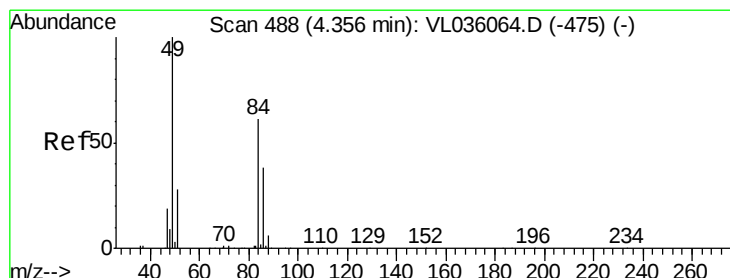
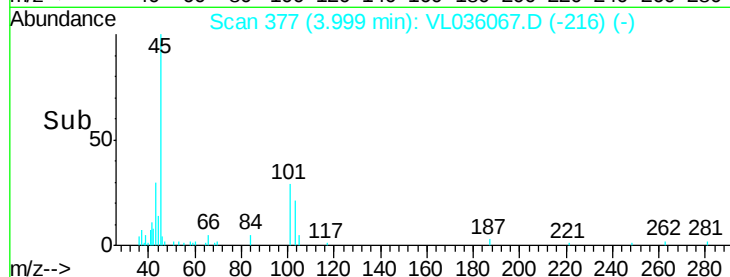
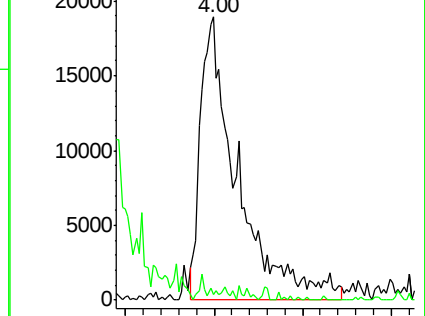
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Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#20

Methylene Chloride

Concen: 0.352 ppbv m

RT: 4.36 min Scan# 490

Delta R.T. 0.01 min

Lab File: VL036067.D

Acq: 7 Dec 2020 14:23

Tgt Ion: 84 Resp: 40145

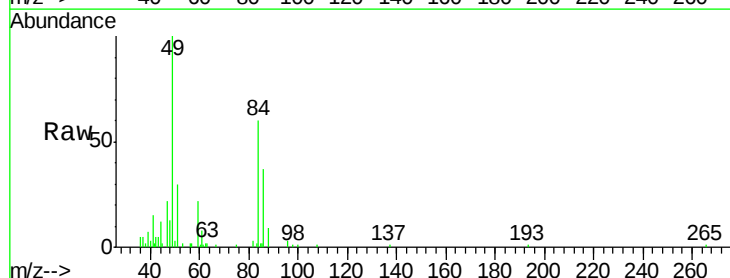
Ion Ratio Lower Upper

84 100

49 167.5 133.0 199.4

51 51.1 38.9 58.3

86 61.2 48.8 73.2

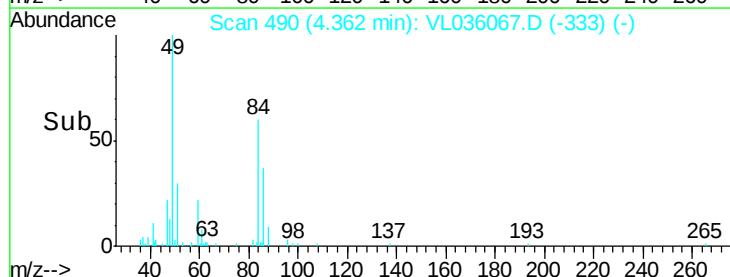
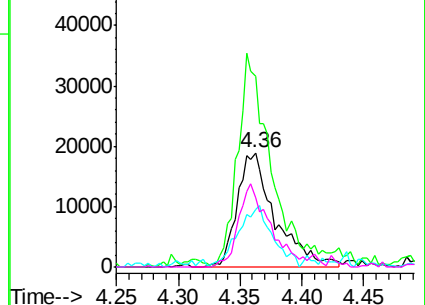


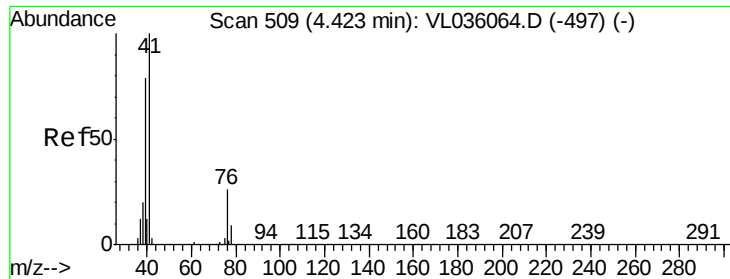
Abundance Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

Ion 51.10 (50.80 to 51.80): VL0

Ion 86.00 (85.70 to 86.70): VL0





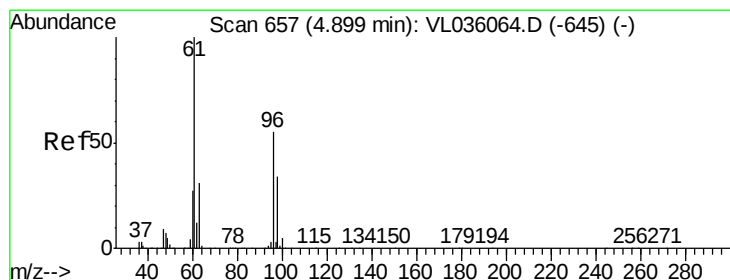
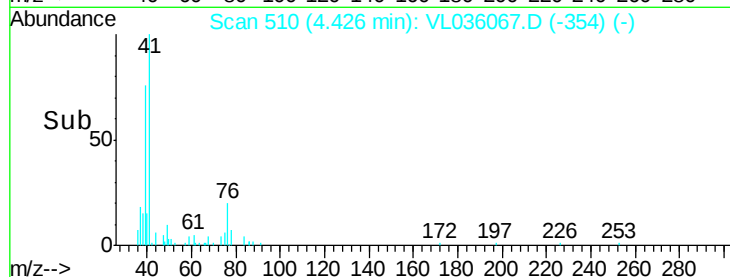
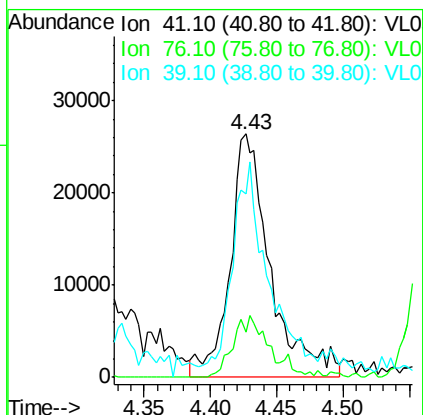
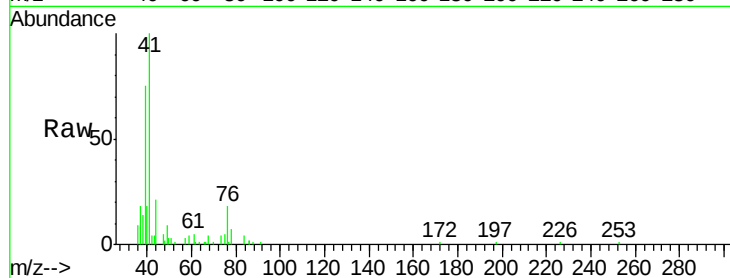
#21
Allvl Chloride
Concen: 0.793 ppbv m
RT: 4.43 min Scan# 510
Delta R.T. 0.00 min
Lab File: VL036067.D
Acq: 7 Dec 2020 14:23

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
41	100		
76	23.9	21.0	31.4
39	79.4	66.0	99.0

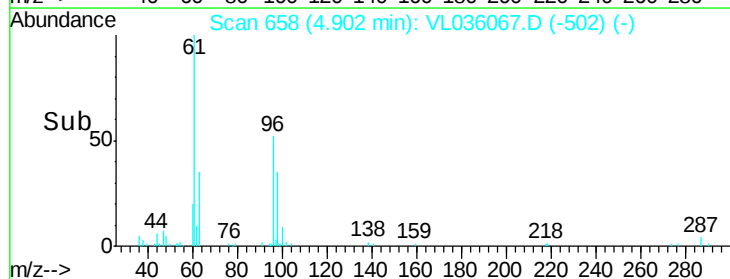
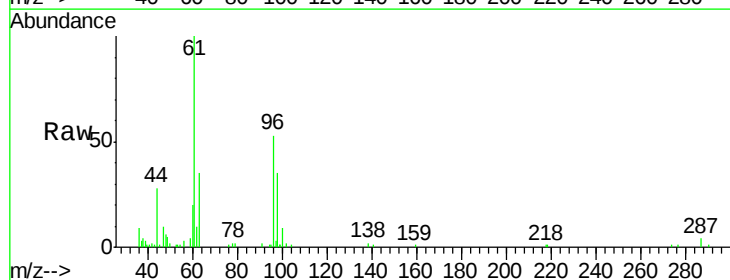
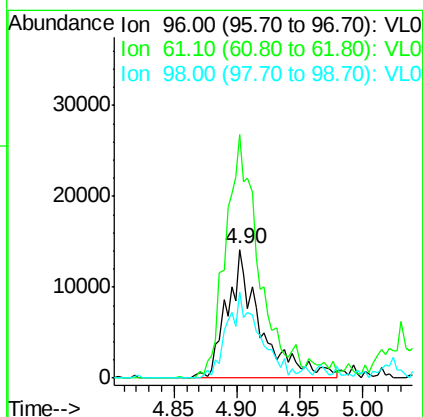
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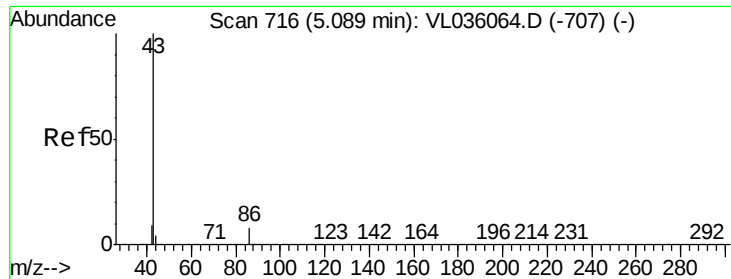
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#22
trans-1,2-Dichloroethene
Concen: 0.266 ppbv m
RT: 4.90 min Scan# 658
Delta R.T. 0.00 min
Lab File: VL036067.D
Acq: 7 Dec 2020 14:23

Tgt Ion	Ratio	Lower	Upper
96	100		
61	189.3	145.7	218.5
98	66.7	49.2	73.8





#23

Vinyl Acetate

Concen: 0.706 ppbv m

RT: 5.10 min Scan# 719

Delta R.T. 0.01 min

Lab File: VL036067.D

Acq: 7 Dec 2020 14:23

Instrument :

MSVOA_L

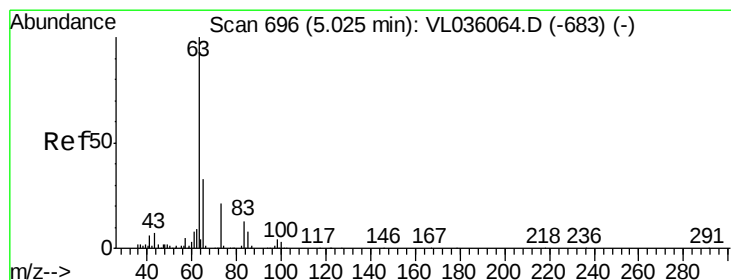
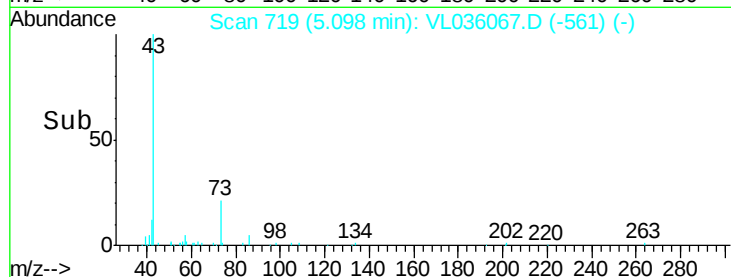
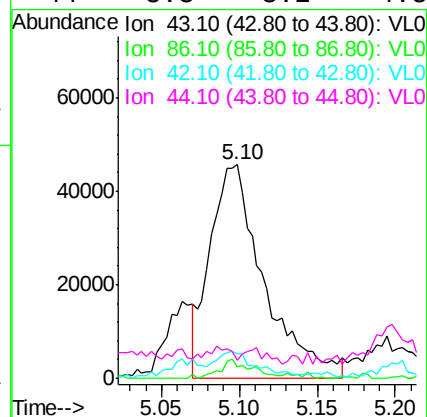
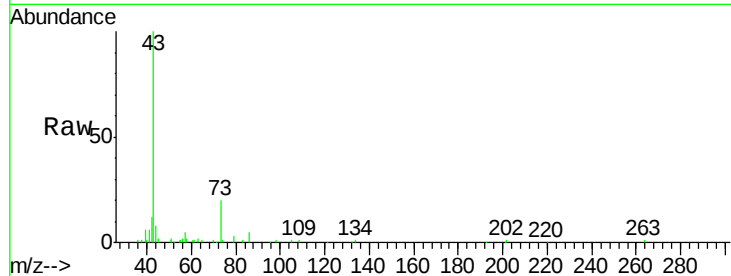
ClientSampleId :

VSTDIC0.5

Tot Ion	43	Resp	109893
Ion Ratio	Lower	Upper	
43	100		
86	5.2	5.0	7.4
42	11.7	7.8	11.6#
44	8.3	3.2	4.8#

Manual Integrations
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#24

1,1-Dichloroethane

Concen: 0.426 ppbv m

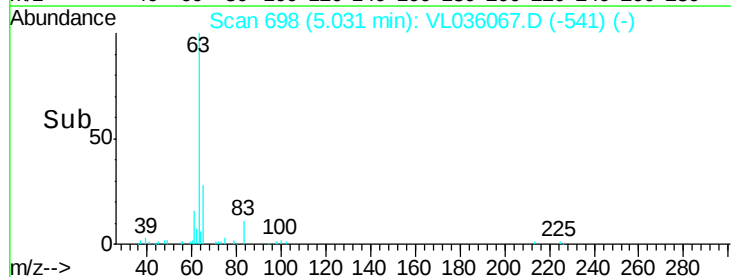
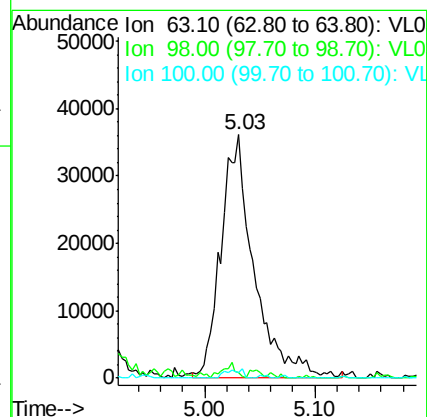
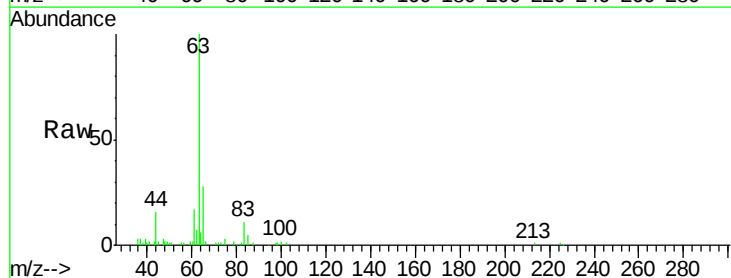
RT: 5.03 min Scan# 698

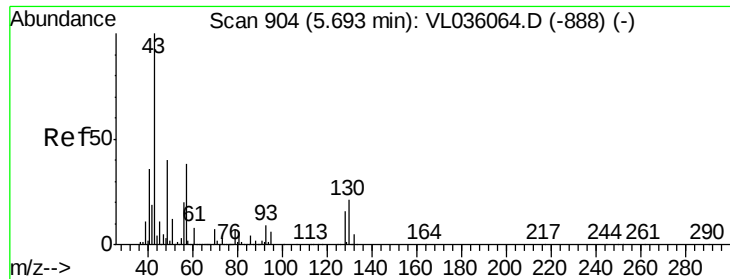
Delta R.T. 0.01 min

Lab File: VL036067.D

Acq: 7 Dec 2020 14:23

Tgt Ion	63	Resp	75669
Ion Ratio	Lower	Upper	
63	100		
98	1.5	2.2	6.6#
100	2.1	1.5	4.4





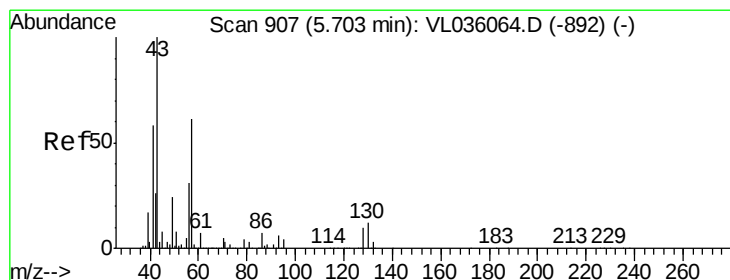
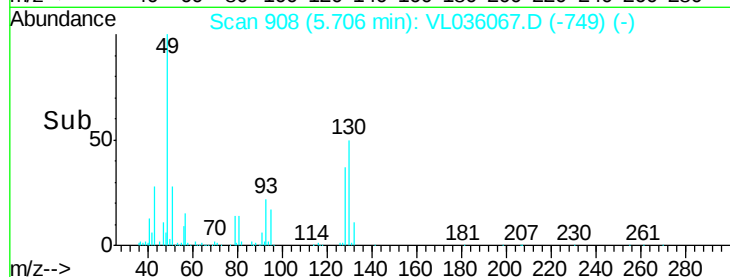
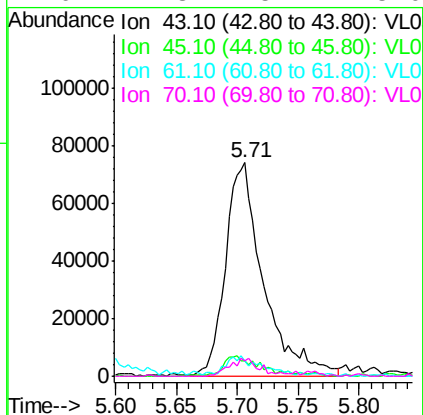
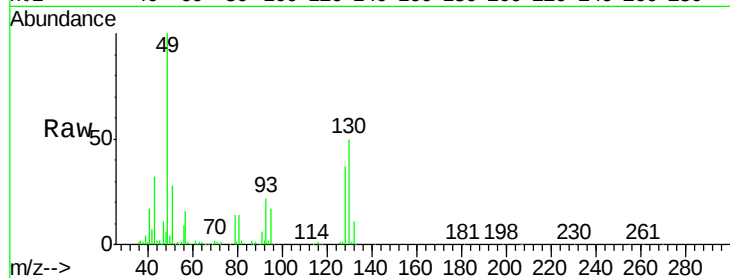
#25
Ethyl Acetate
Concen: 0.614 ppbv m
RT: 5.71 min Scan# 908
Delta R.T. 0.01 min
Lab File: VL036067.D
Acq: 7 Dec 2020 14:23

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion	43	Resp	162530
Ion	Ratio	Lower	Upper
43	100		
45	10.4	8.2	12.4
61	11.0	7.4	11.2
70	7.3	5.4	8.0

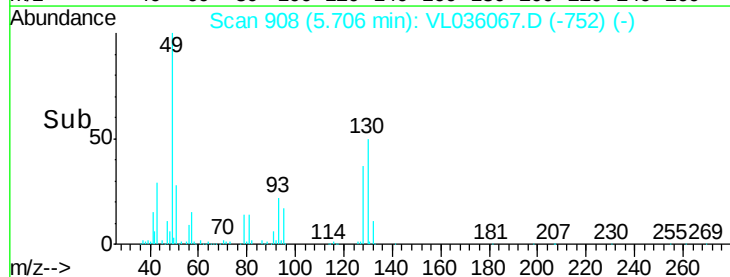
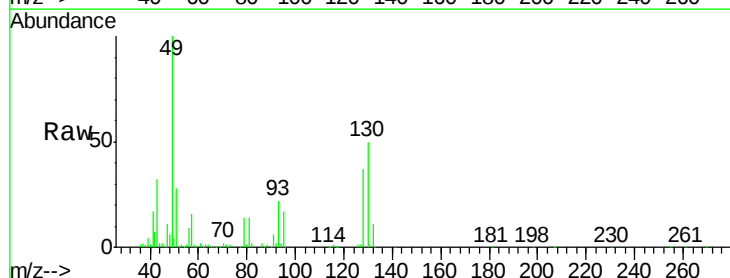
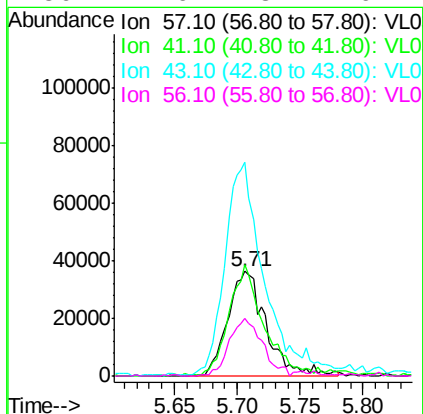
Manual Integrations
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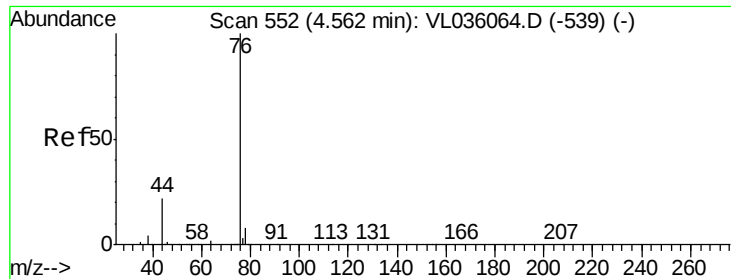
MMDadoda
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#26
Hexane
Concen: 0.547 ppbv m
RT: 5.71 min Scan# 908
Delta R.T. 0.00 min
Lab File: VL036067.D
Acq: 7 Dec 2020 14:23

Tgt Ion	57	Resp	76988
Ion	Ratio	Lower	Upper
57	100		
41	98.3	82.9	124.3
43	212.0	199.9	299.9
56	47.6	43.1	64.7





#27

Carbon Disulfide

Concen: 0.319 ppbv m

RT: 4.56 min Scan# 553

Delta R.T. 0.00 min

Lab File: VL036067.D

Acq: 7 Dec 2020 14:23

Instrument :

MSVOA_L

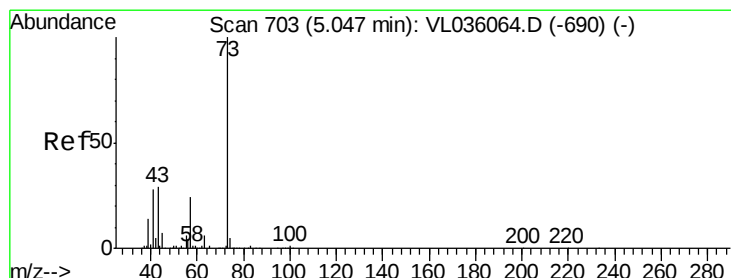
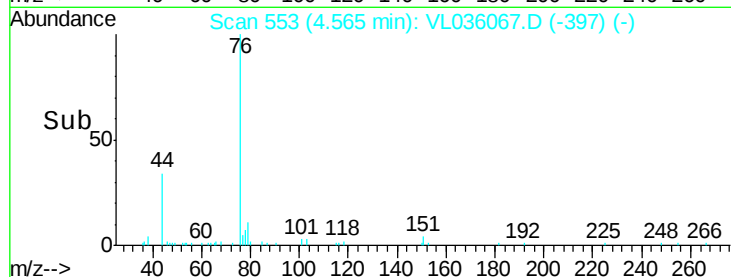
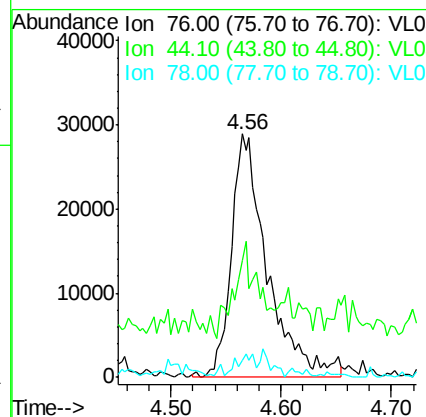
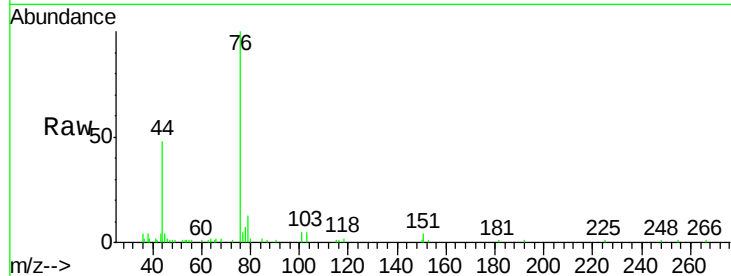
ClientSampleId :

VSTDIC0.5

Tot Ion:	76	Resp:	65438
Ion	Ratio	Lower	Upper
76	100		
44	30.8	17.9	26.9#
78	9.0	7.8	11.8

Manual Integrations
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#28

Methyl tert-Butyl Ether

Concen: 0.498 ppbv m

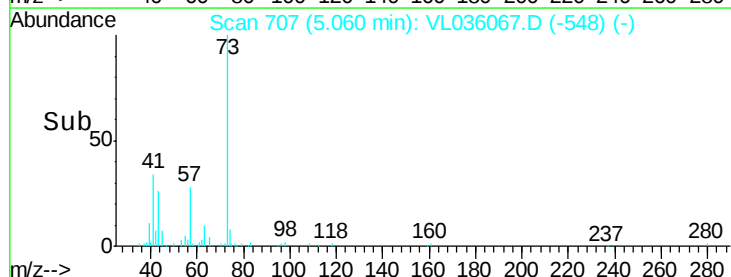
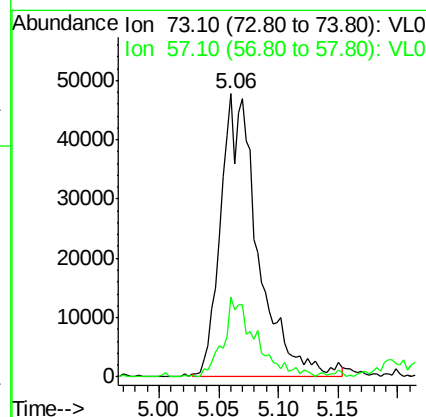
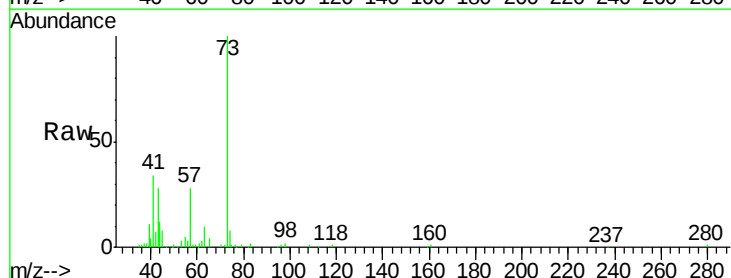
RT: 5.06 min Scan# 707

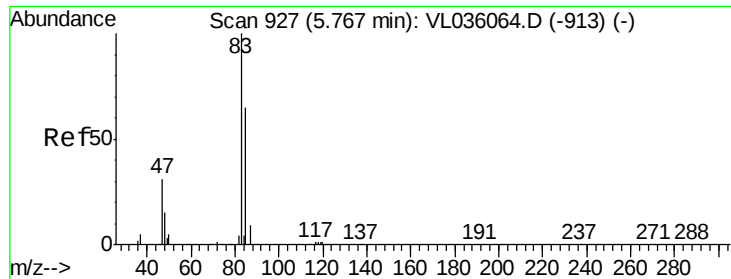
Delta R.T. 0.01 min

Lab File: VL036067.D

Acq: 7 Dec 2020 14:23

Tgt Ion:	73	Resp:	104473
Ion	Ratio	Lower	Upper
73	100		
57	25.1	19.2	28.8





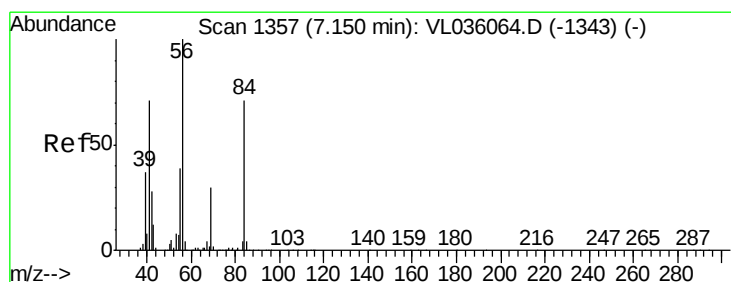
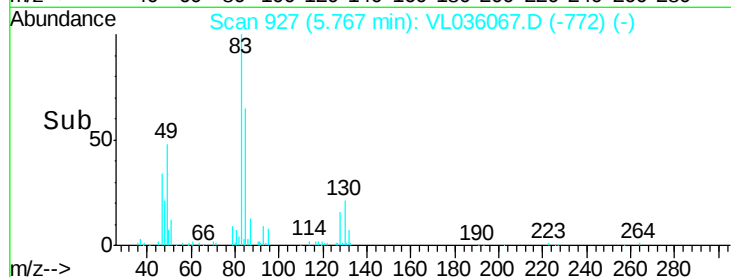
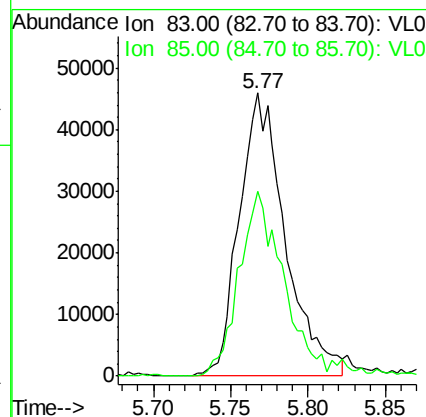
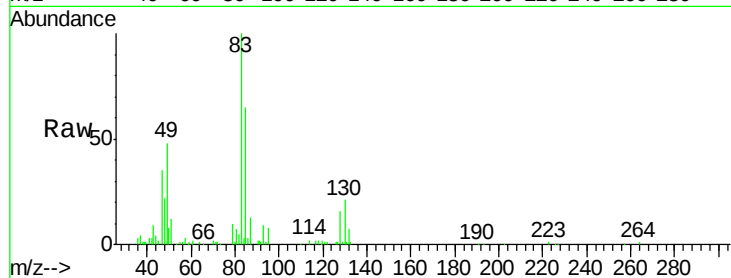
#29
Chloroform
Concen: 0.358 ppbv
RT: 5.77 min Scan# 927
Delta R.T. -0.00 min
Lab File: VL036067.D
Acq: 7 Dec 2020 14:23

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion: 83 Resp: 95194
Ion Ratio Lower Upper
83 100
85 65.4 51.8 77.6

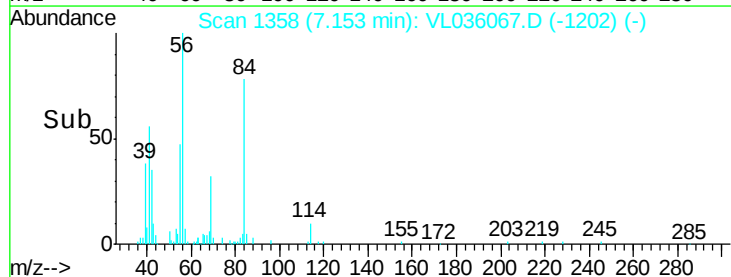
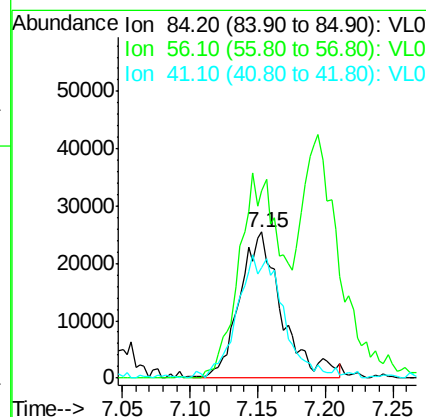
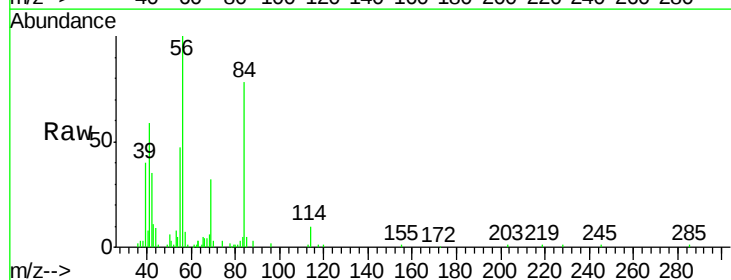
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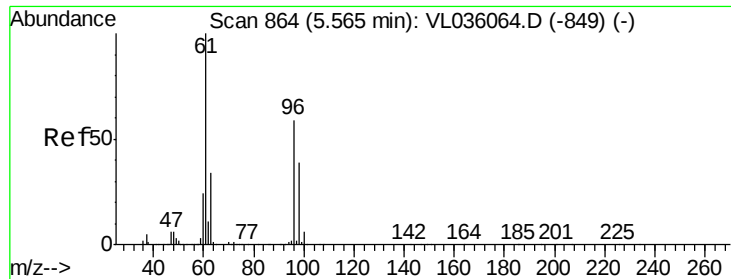
MMDadoda
12/10/2020 9:53:19 AM



#30
Cyclohexane
Concen: 0.415 ppbv m
RT: 7.15 min Scan# 1358
Delta R.T. 0.00 min
Lab File: VL036067.D
Acq: 7 Dec 2020 14:23

Tgt Ion: 84 Resp: 55072
Ion Ratio Lower Upper
84 100
56 125.3 128.0 192.0#
41 93.4 81.3 121.9





#31

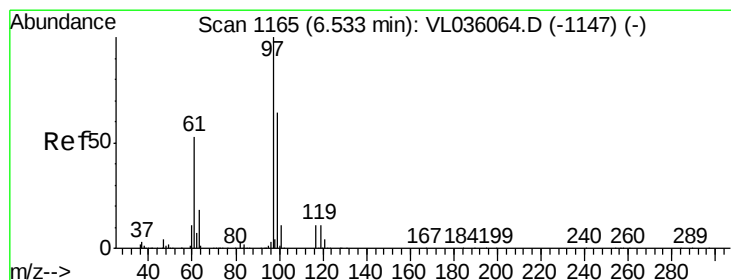
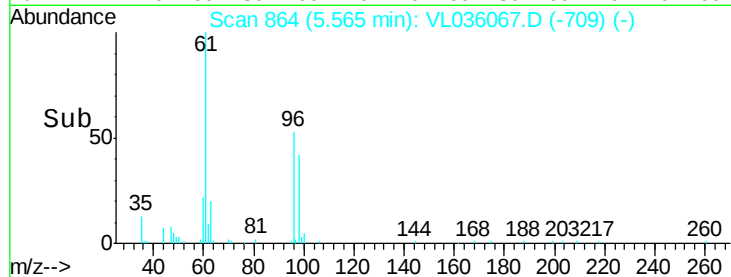
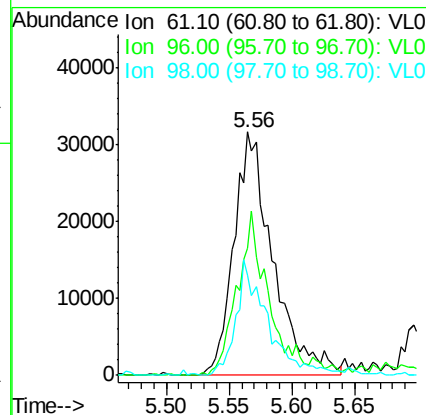
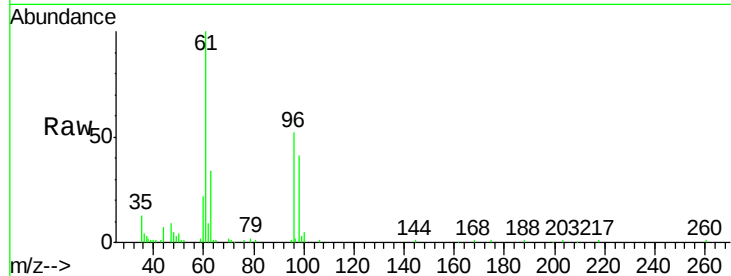
cis-1,2-Dichloroethene
Concen: 0.532 ppbv m
RT: 5.56 min Scan# 864
Delta R.T. -0.00 min
Lab File: VL036067.D
Acq: 7 Dec 2020 14:23

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
61	100		
96	52.0	47.3	70.9
98	41.0	31.4	47.0

Manual Integrations
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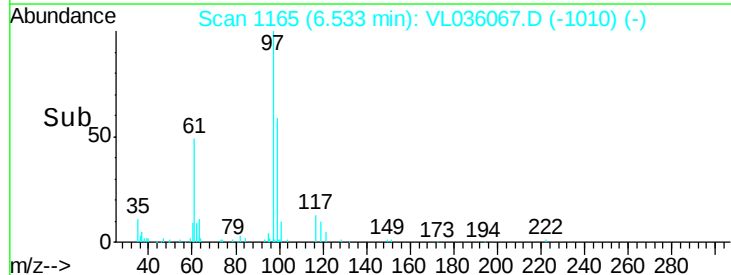
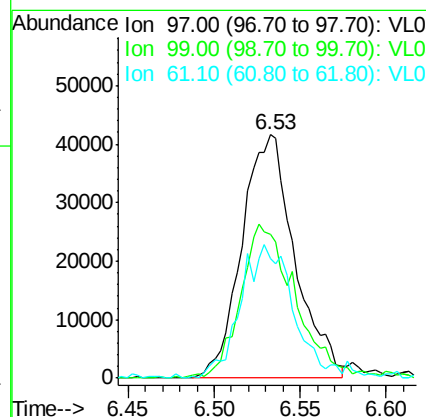
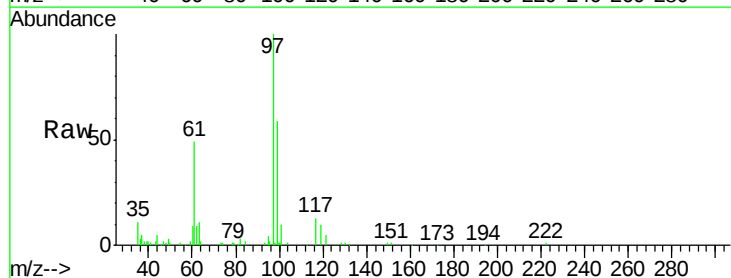
MMDadoda
12/10/2020 9:53:19 AM

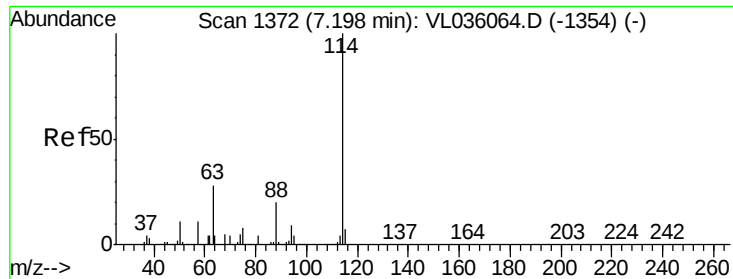


#32

1,1,1-Trichloroethane
Concen: 0.366 ppbv
RT: 6.53 min Scan# 1165
Delta R.T. -0.00 min
Lab File: VL036067.D
Acq: 7 Dec 2020 14:23

Tgt Ion	Ratio	Lower	Upper
97	100		
99	66.6	52.4	78.6
61	57.0	43.4	65.0





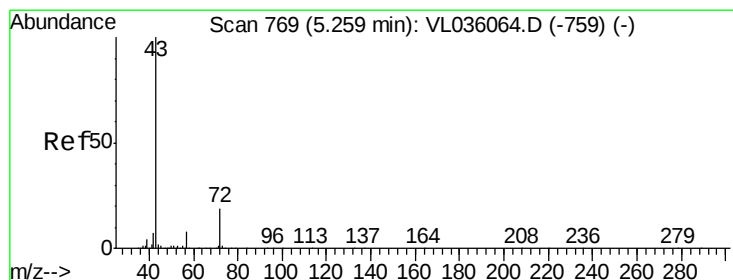
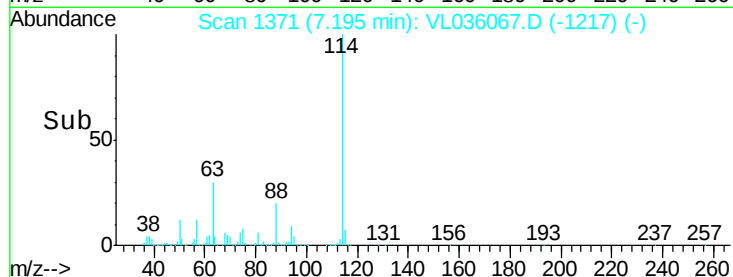
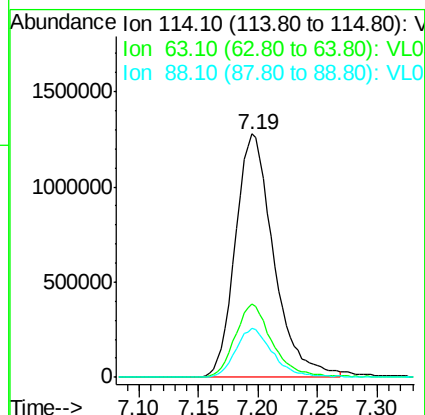
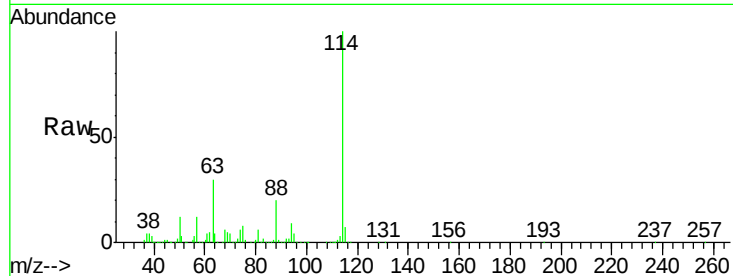
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.19 min Scan# 1371
 Delta R.T. -0.00 min
 Lab File: VL036067.D
 Acq: 7 Dec 2020 14:23

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tot Ion:114 Resp: 2853900
 Ion Ratio Lower Upper
 114 100
 63 29.6 23.6 35.4
 88 19.9 15.8 23.6

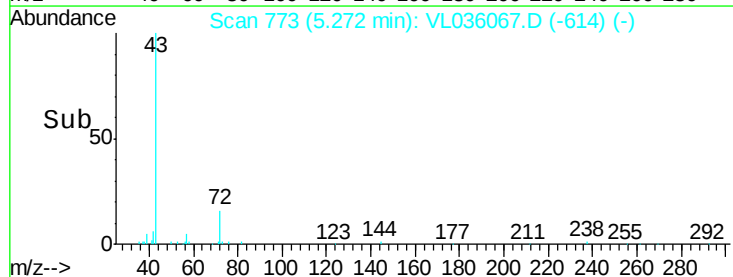
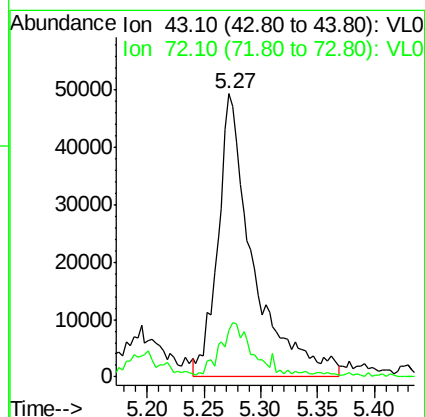
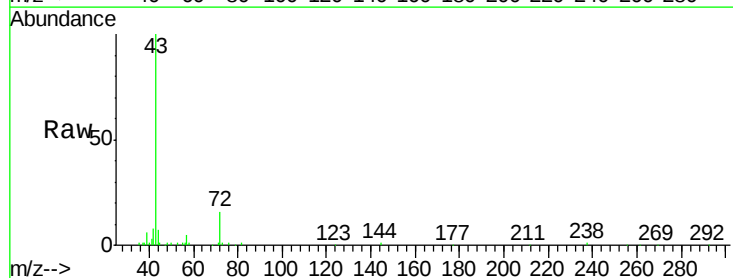
Manual Integrations
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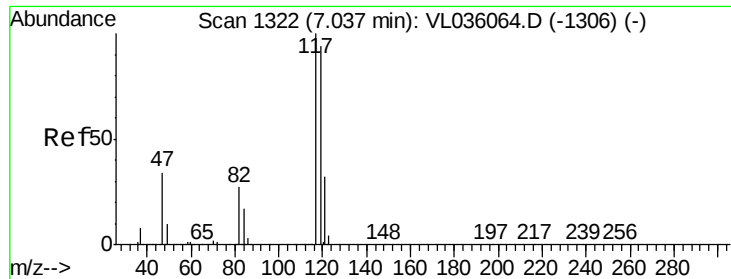
MMDadoda
 12/10/2020 9:53:19 AM



#34
 2-Butanone
 Concen: 1.081 ppbv m
 RT: 5.27 min Scan# 773
 Delta R.T. 0.01 min
 Lab File: VL036067.D
 Acq: 7 Dec 2020 14:23

Tgt Ion: 43 Resp: 105747
 Ion Ratio Lower Upper
 43 100
 72 19.5 16.5 24.7





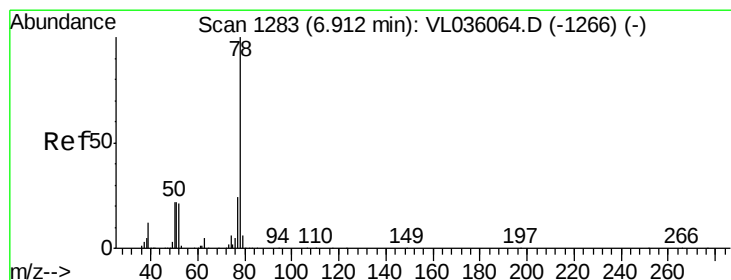
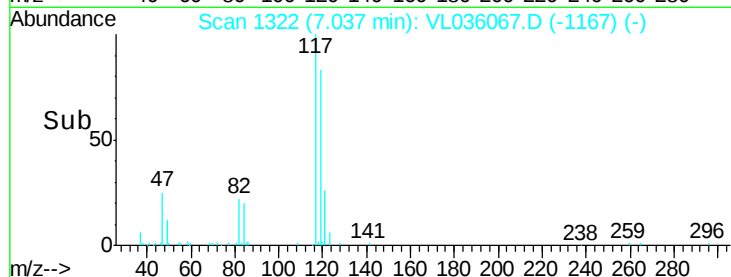
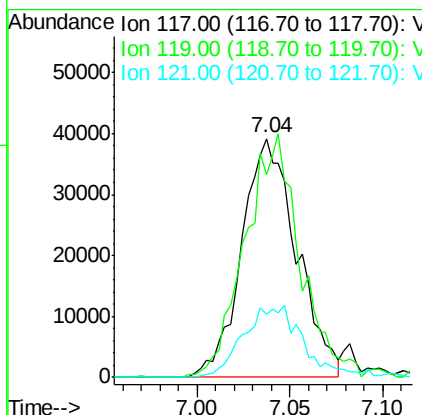
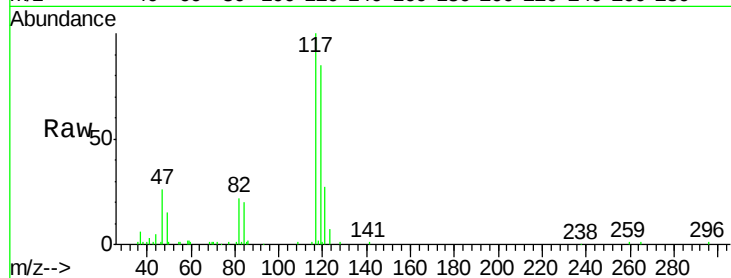
#35
Carbon Tetrachloride
Concen: 0.540 ppbv
RT: 7.04 min Scan# 1322
Delta R.T. -0.00 min
Lab File: VL036067.D
Acq: 7 Dec 2020 14:23

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
117	100		
119	83.6	75.1	112.7
121	26.7	25.6	38.4

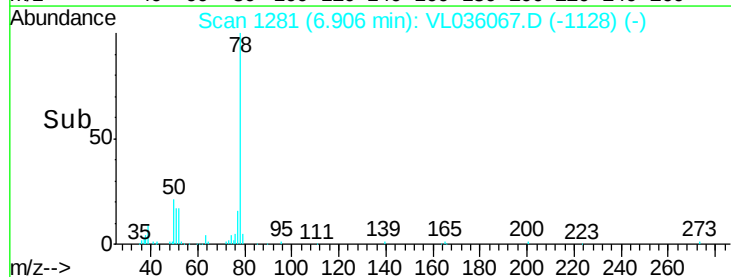
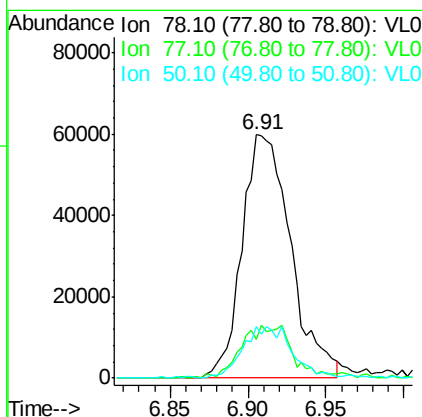
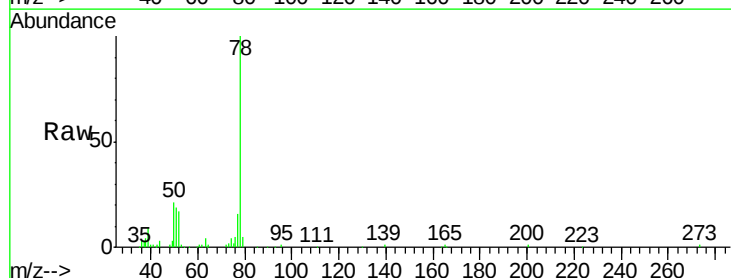
Manual Integrations
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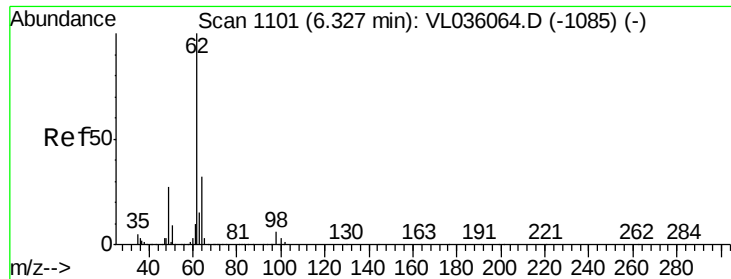
MMDadoda
12/10/2020 9:53:19 AM



#36
Benzene
Concen: 0.666 ppbv m
RT: 6.91 min Scan# 1281
Delta R.T. -0.01 min
Lab File: VL036067.D
Acq: 7 Dec 2020 14:23

Tgt Ion	Ratio	Lower	Upper
78	100		
77	15.8	19.4	29.2#
50	21.0	17.8	26.8





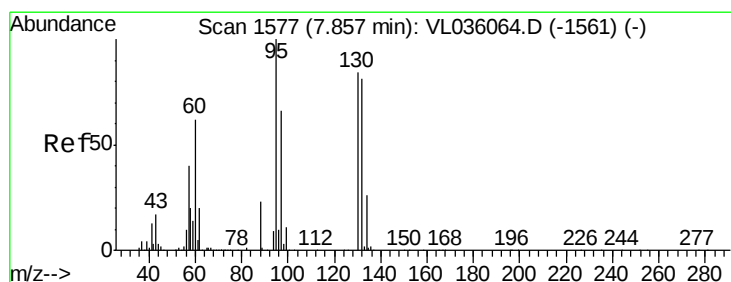
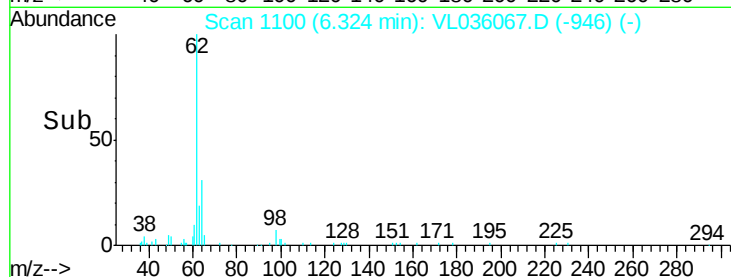
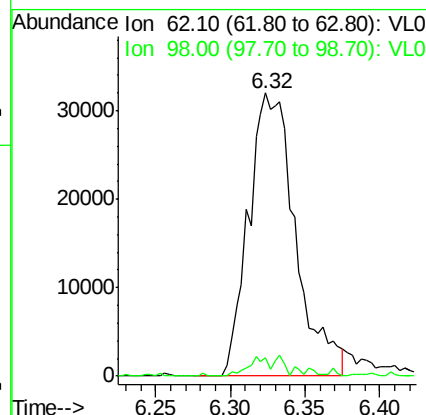
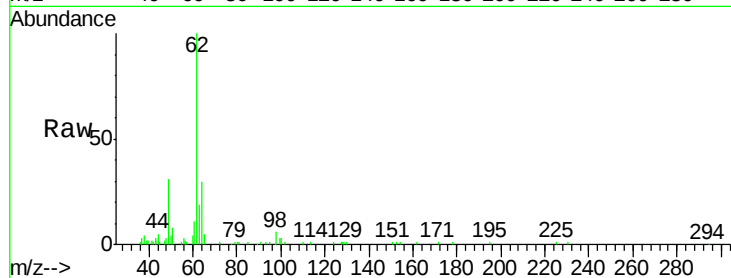
#37
 1,2-Dichloroethane
 Concen: 0.689 ppbv m
 RT: 6.32 min Scan# 1100
 Delta R.T. -0.00 min
 Lab File: VL036067.D
 Acq: 7 Dec 2020 14:23

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
62	100		
98	5.9	4.6	7.0

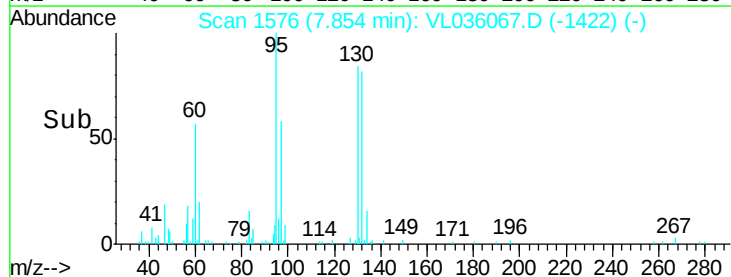
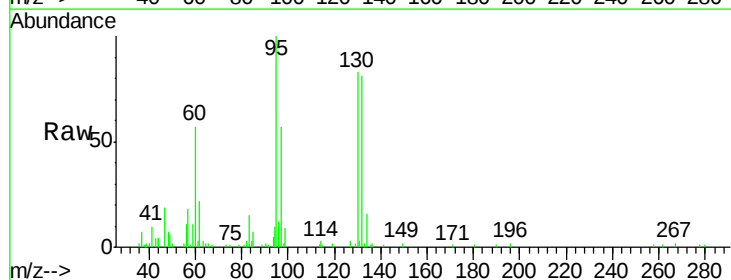
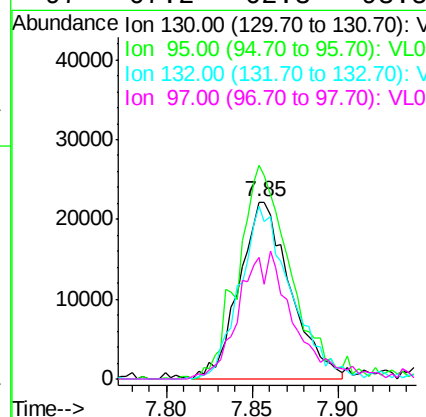
Manual Integrations
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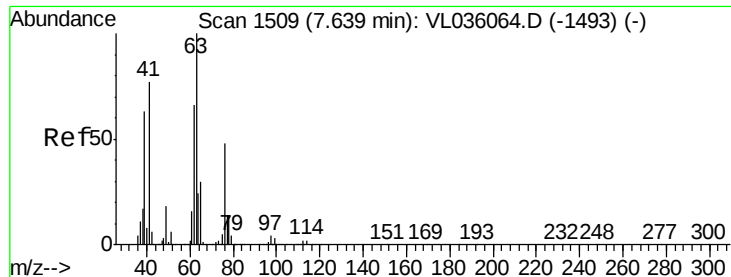
MMDadoda
 12/10/2020 9:53:19 AM



#38
 Trichloroethene
 Concen: 0.523 ppbv
 RT: 7.85 min Scan# 1576
 Delta R.T. -0.00 min
 Lab File: VL036067.D
 Acq: 7 Dec 2020 14:23

Tgt Ion	Ratio	Lower	Upper
130	100		
95	120.7	95.2	142.8
132	97.3	76.9	115.3
97	67.2	62.3	93.5





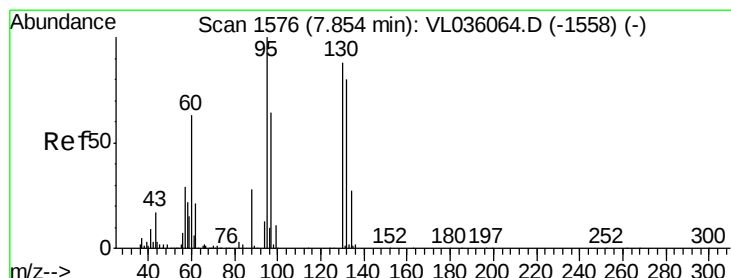
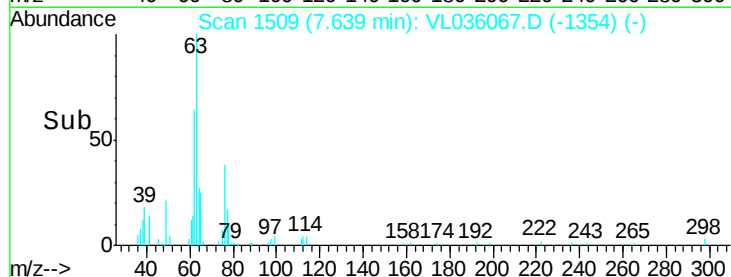
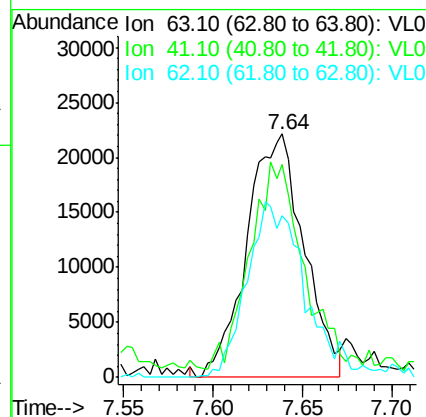
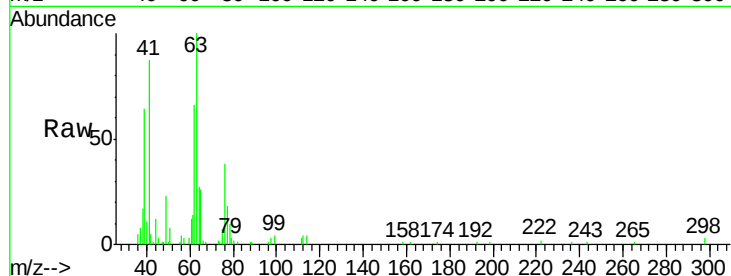
#39
 1,2-Dichloropropane
 Concen: 0.654 ppbv m
 RT: 7.64 min Scan# 1509
 Delta R.T. -0.00 min
 Lab File: VL036067.D
 Acq: 7 Dec 2020 14:23

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tot Ion:	63	Resp:	48921
Ion	Ratio	Lower	Upper
63	100		
41	87.4	61.9	92.9
62	66.5	52.5	78.7

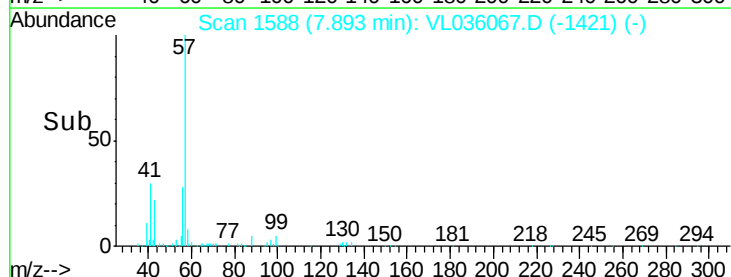
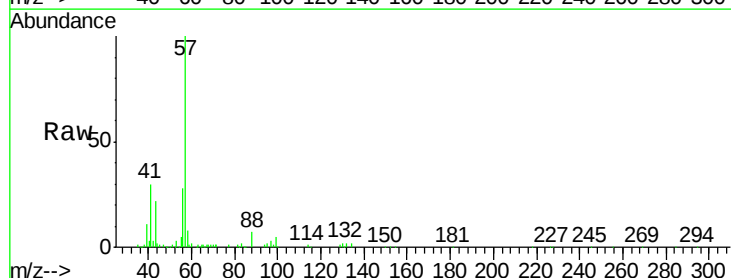
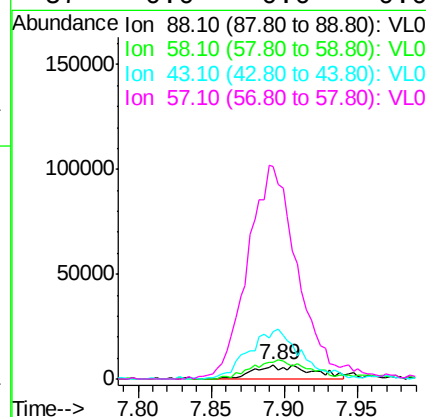
Manual Integrations
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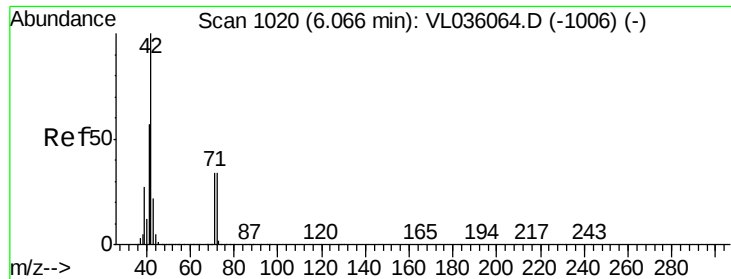
MMDadoda
 12/10/2020 9:53:19 AM



#40
 1,4-Dioxane
 Concen: 0.727 ppbv m
 RT: 7.89 min Scan# 1588
 Delta R.T. 0.04 min
 Lab File: VL036067.D
 Acq: 7 Dec 2020 14:23

Tgt Ion:	88	Resp:	18128
Ion	Ratio	Lower	Upper
88	100		
58	0.0	122.6	184.0#
43	0.0	0.0	0.0
57	0.0	0.0	0.0





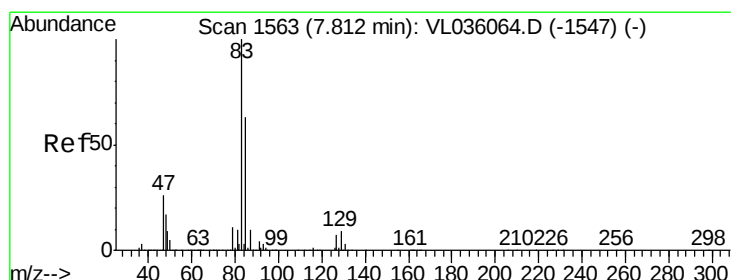
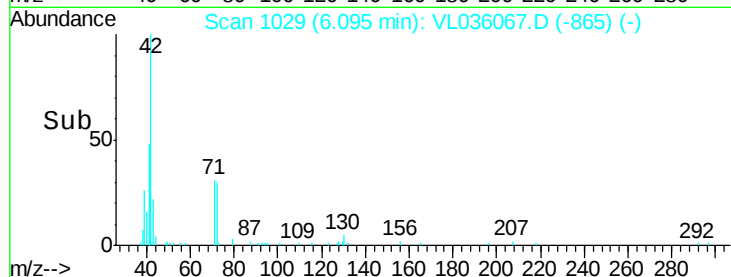
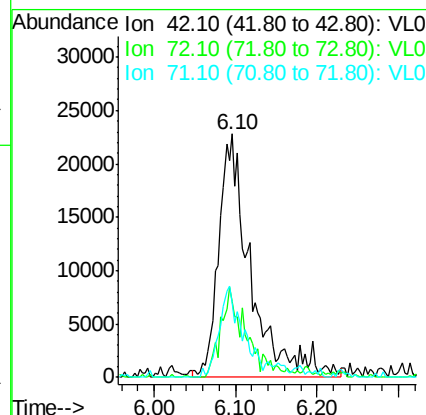
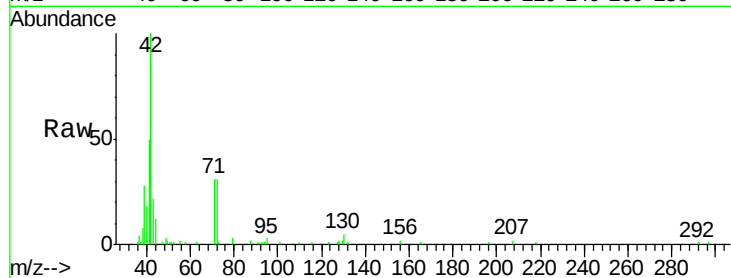
#41
Tetrahydrofuran
Concen: 1.199 ppbv m
RT: 6.10 min Scan# 1029
Delta R.T. 0.03 min
Lab File: VL036067.D
Acq: 7 Dec 2020 14:23

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
42	100		
72	0.0	28.3	42.5#
71	0.0	27.3	40.9#

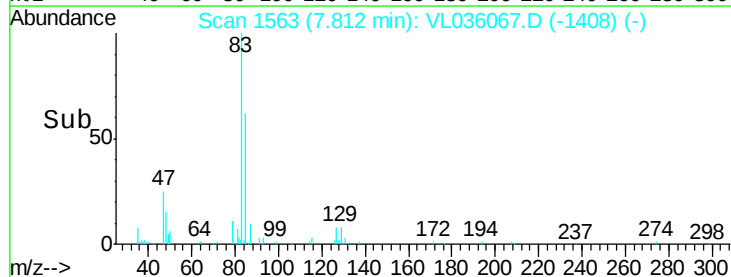
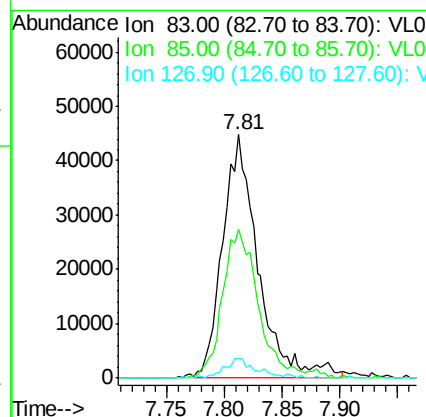
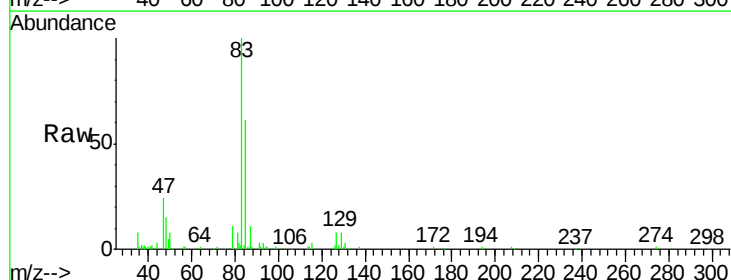
Manual Integrations
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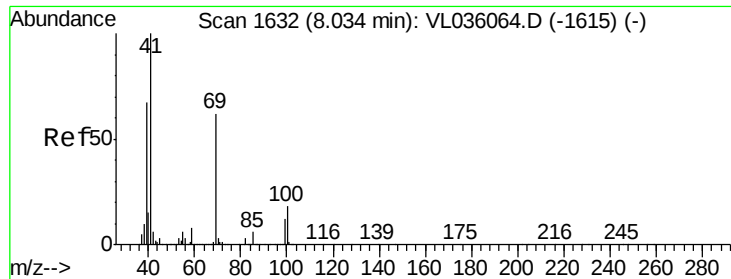
MMDadoda
12/10/2020 9:53:19 AM



#42
Bromodichloromethane
Concen: 0.595 ppbv m
RT: 7.81 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VL036067.D
Acq: 7 Dec 2020 14:23

Tgt Ion	Ratio	Lower	Upper
83	100		
85	61.1	50.2	75.2
127	7.9	5.5	8.3





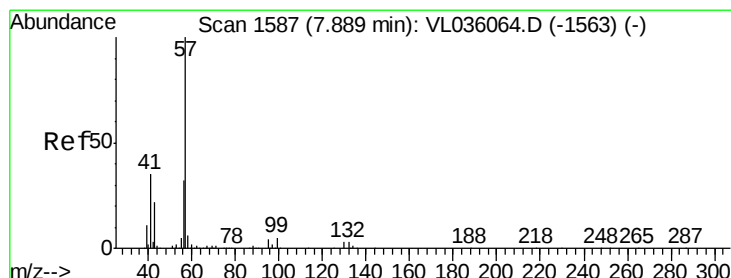
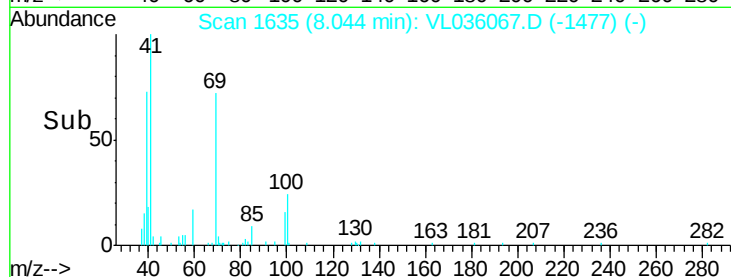
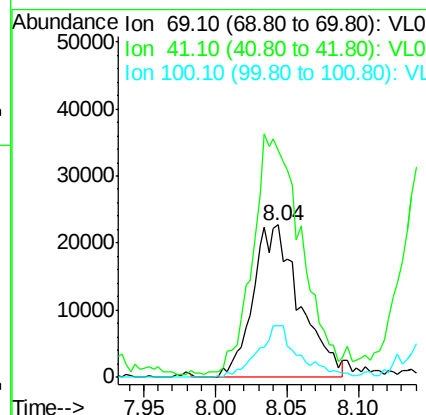
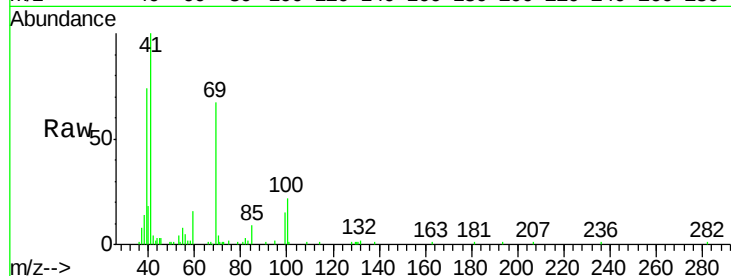
#43
Methvl Methacrylate
Concen: 0.726 ppbv m
RT: 8.04 min Scan# 1635
Delta R.T. 0.01 min
Lab File: VL036067.D
Acq: 7 Dec 2020 14:23

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
69	100		
41	170.5	133.0	199.6
100	0.0	25.4	38.0#

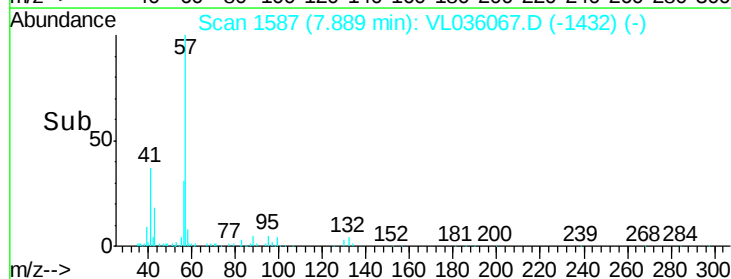
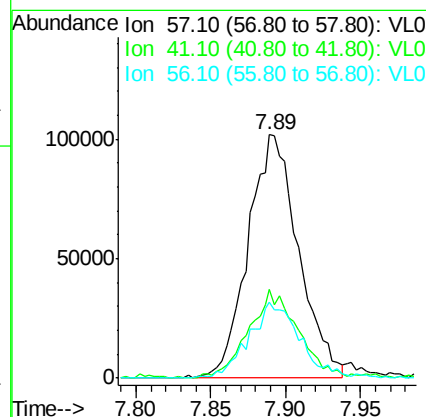
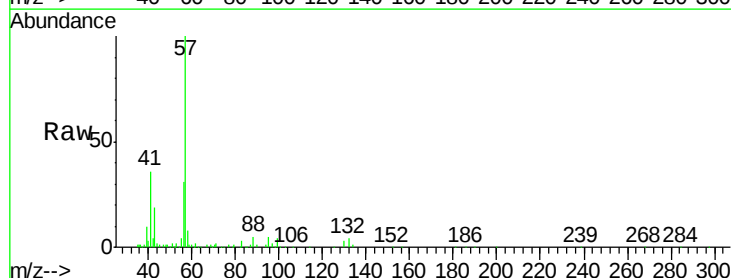
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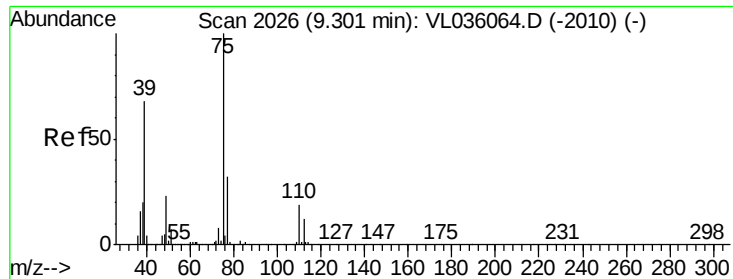
MMDadoda
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#44
2,2,4-Trimethylpentane
Concen: 0.819 ppbv
RT: 7.89 min Scan# 1587
Delta R.T. -0.00 min
Lab File: VL036067.D
Acq: 7 Dec 2020 14:23

Tgt Ion	Ratio	Lower	Upper
57	100		
41	35.3	28.9	43.3
56	32.3	25.3	37.9





#45

t-1,3-Dichloropropene

Concen: 0.711 ppbv m

RT: 9.31 min Scan# 2029

Delta R.T. 0.01 min

Lab File: VL036067.D

Acq: 7 Dec 2020 14:23

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tot Ion: 75 Resp: 47812

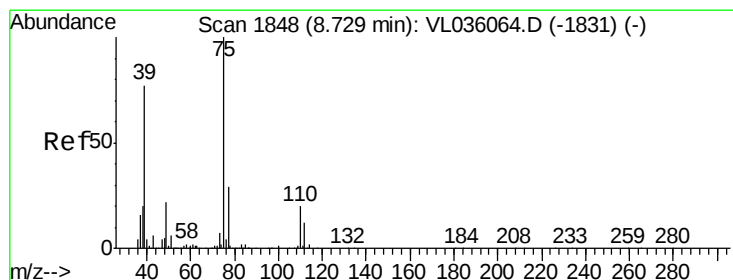
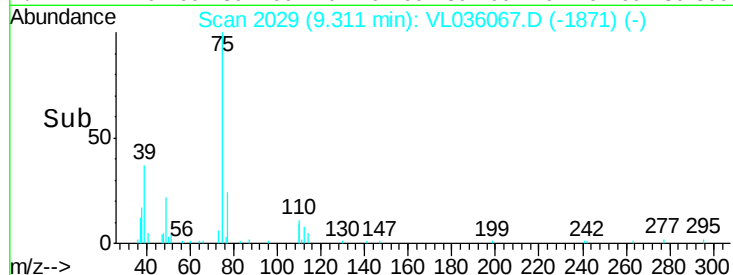
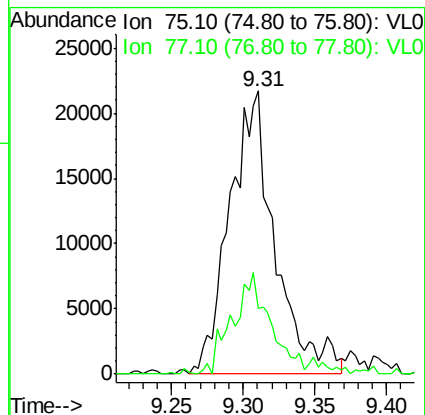
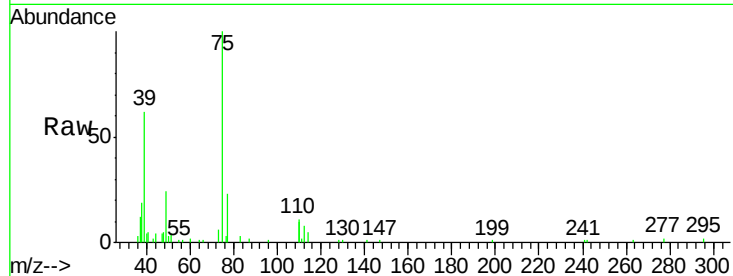
Ion Ratio Lower Upper

75 100

77 23.0 26.0 39.0#

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#46

cis-1,3-Dichloropropene

Concen: 0.719 ppbv m

RT: 8.73 min Scan# 1847

Delta R.T. -0.00 min

Lab File: VL036067.D

Acq: 7 Dec 2020 14:23

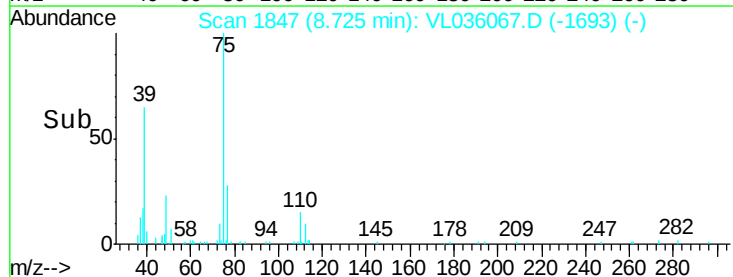
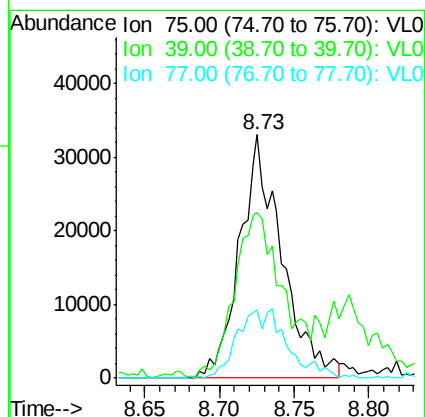
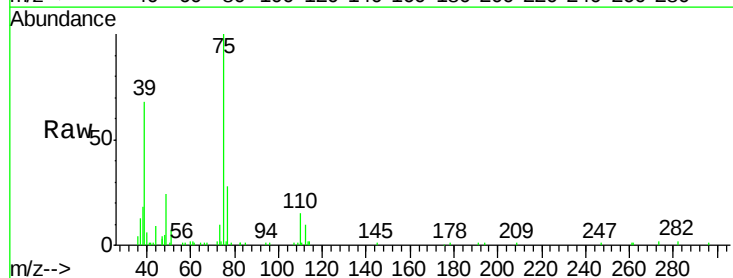
Tgt Ion: 75 Resp: 64797

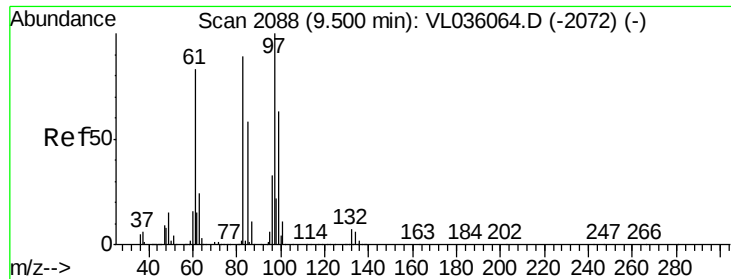
Ion Ratio Lower Upper

75 100

39 68.0 61.6 92.4

77 28.0 23.0 34.6





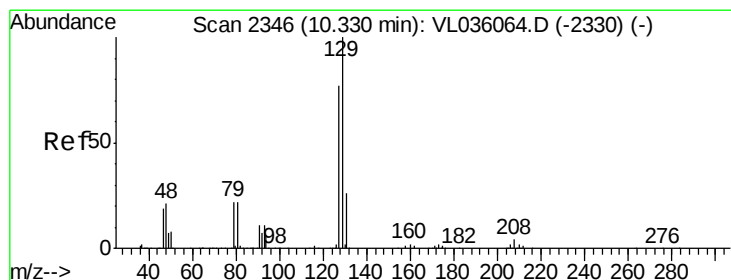
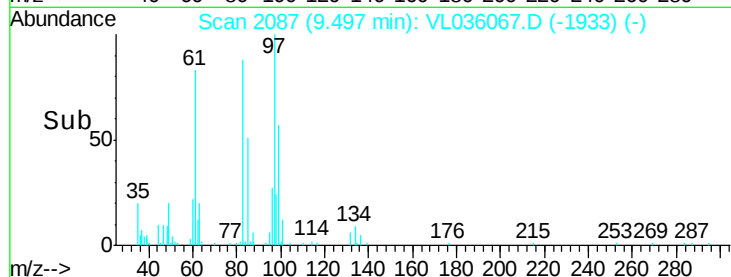
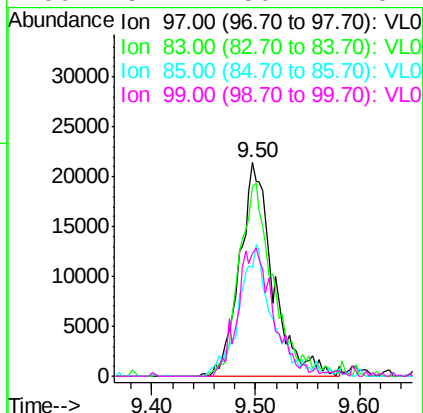
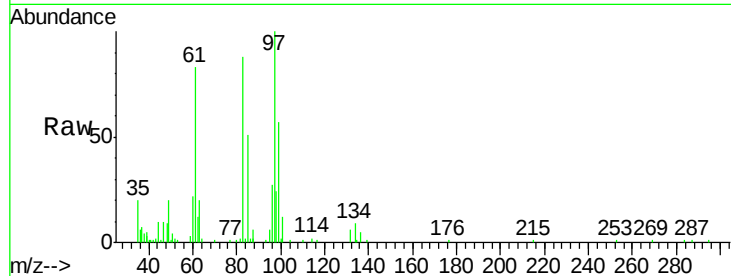
#47
 1,1,2-Trichloroethane
 Concen: 0.512 ppbv m
 RT: 9.50 min Scan# 2087
 Delta R.T. -0.00 min
 Lab File: VL036067.D
 Acq: 7 Dec 2020 14:23

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
97	100		
83	88.5	71.4	107.2
85	50.8	46.6	70.0
99	57.4	50.7	76.1

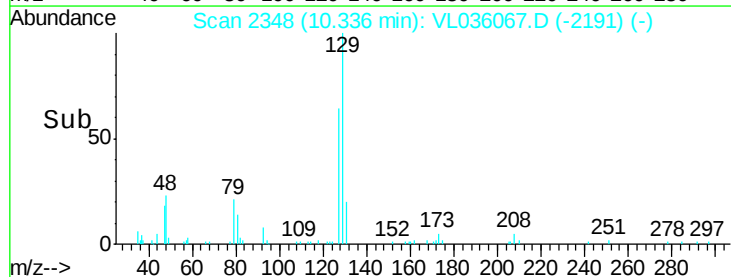
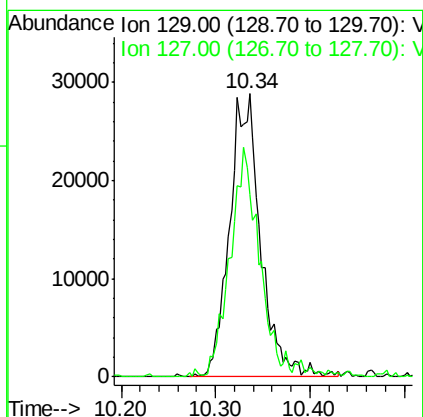
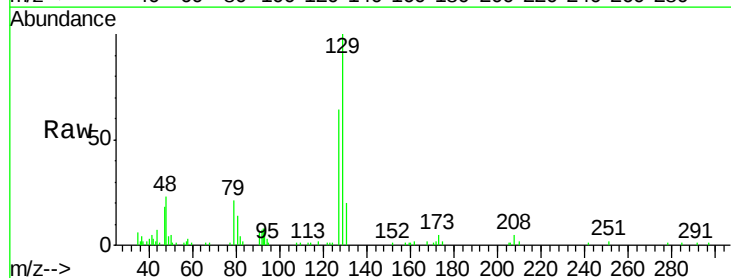
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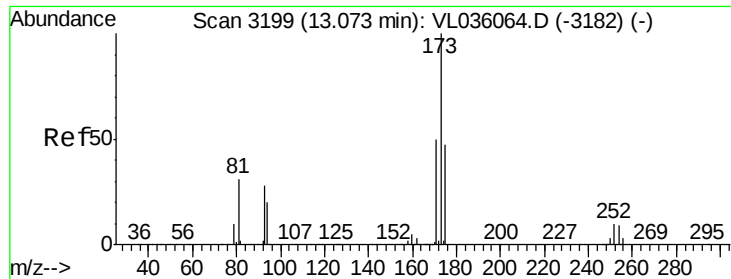
MMDadoda
 12/10/2020 9:53:19 AM



#48
 Dibromochloromethane
 Concen: 0.499 ppbv m
 RT: 10.34 min Scan# 2348
 Delta R.T. 0.01 min
 Lab File: VL036067.D
 Acq: 7 Dec 2020 14:23

Tgt Ion	Ratio	Lower	Upper
129	100		
127	0.0	39.0	117.0





#49

Bromoform

Concen: 0.484 ppbv m

RT: 13.07 min Scan# 3197

Delta R.T. -0.01 min

Lab File: VL036067.D

Acq: 7 Dec 2020 14:23

Instrument :

MSVOA_L

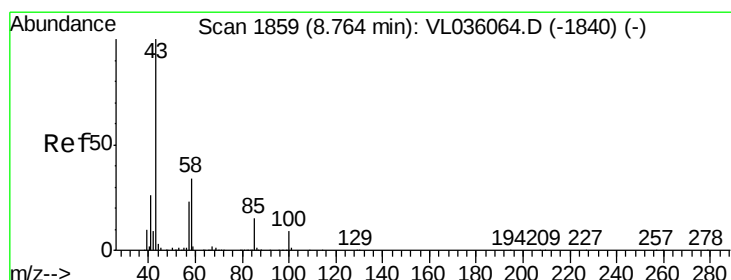
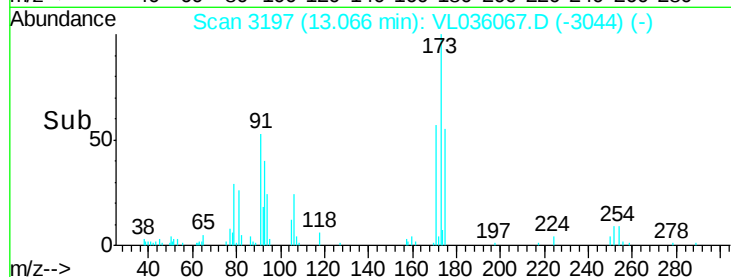
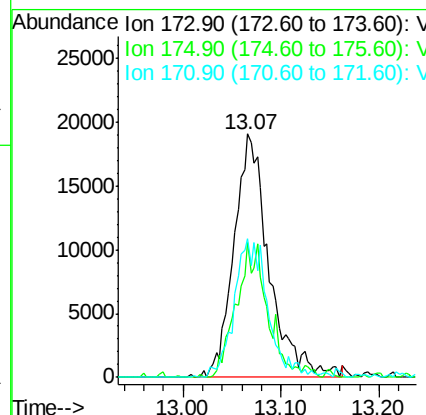
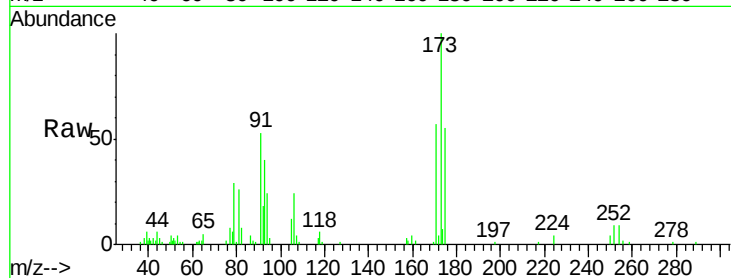
ClientSampleId :

VSTDIC0.5

Tot Ion:	173	Resp:	47364
Ion	Ratio	Lower	Upper
173	100		
175	50.7	39.8	59.6
171	53.9	42.5	63.7

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#50

4-Methyl-2-Pentanone

Concen: 1.033 ppbv m

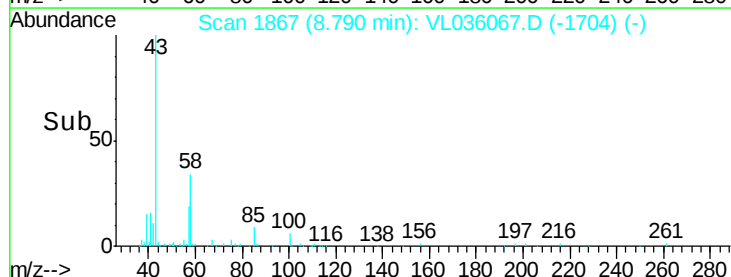
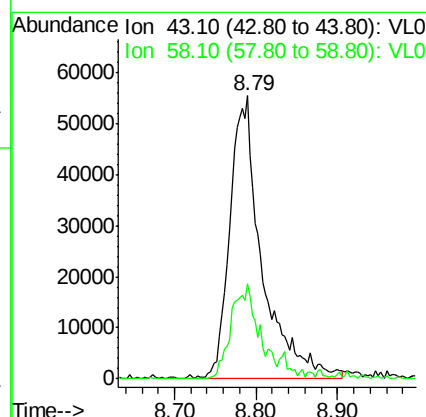
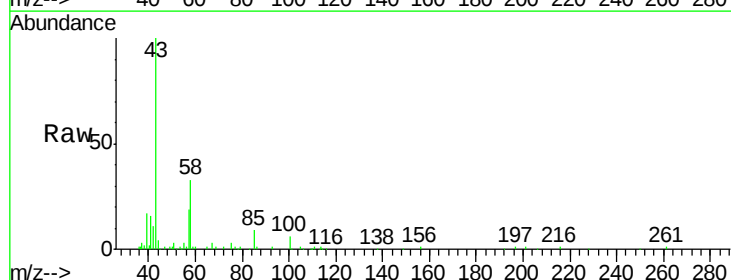
RT: 8.79 min Scan# 1867

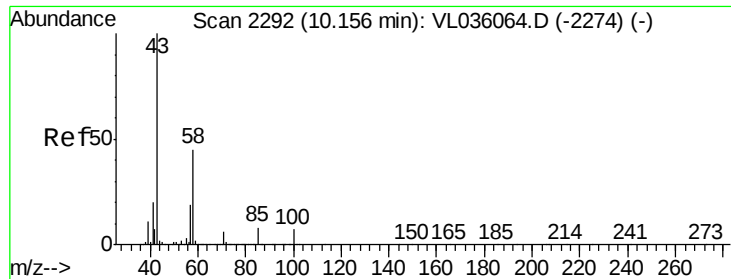
Delta R.T. 0.03 min

Lab File: VL036067.D

Acq: 7 Dec 2020 14:23

Tgt Ion:	43	Resp:	153558
Ion	Ratio	Lower	Upper
43	100		
58	0.0	27.4	41.2#





#51

2-Hexanone

Concen: 1.052 ppbv m

RT: 10.19 min Scan# 2301

Delta R.T. 0.03 min

Lab File: VL036067.D

Acq: 7 Dec 2020 14:23

Instrument :

MSVOA_L

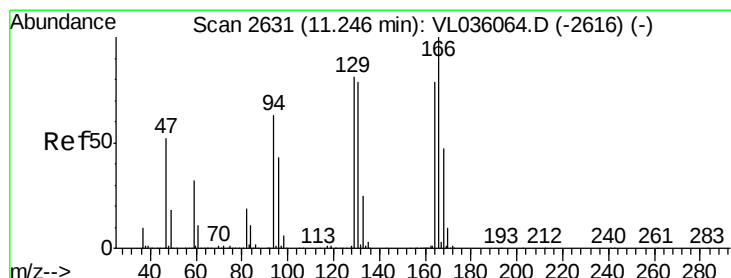
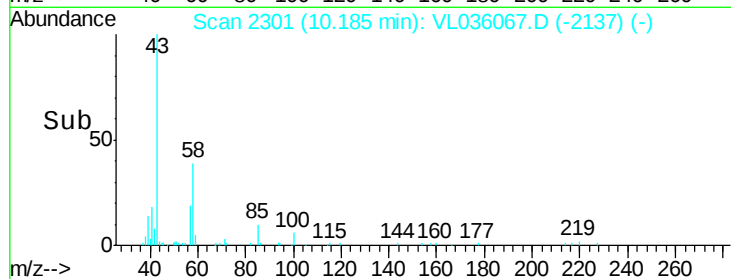
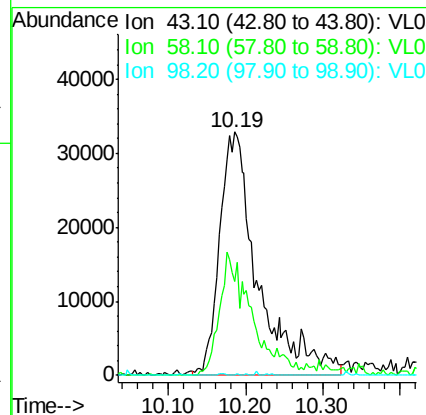
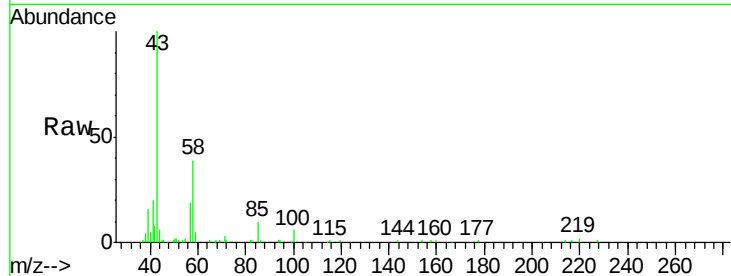
ClientSampleId :

VSTDIC0.5

Tot Ion:	43	Resp:	113201
Ion	Ratio	Lower	Upper
43	100		
58	42.3	38.7	58.1
98	0.1	0.1	0.1

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#52

Tetrachloroethene

Concen: 0.569 ppbv m

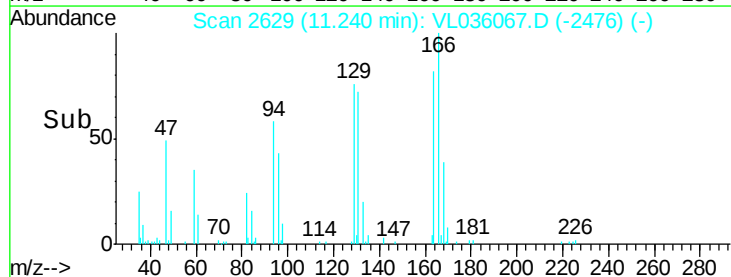
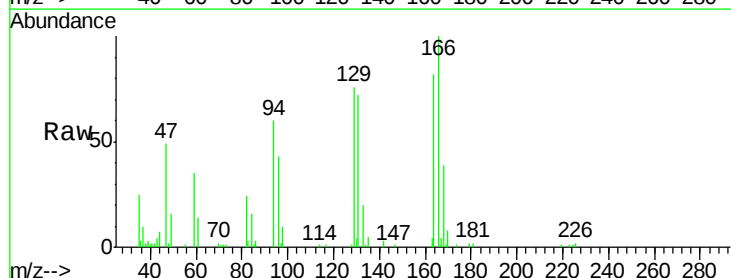
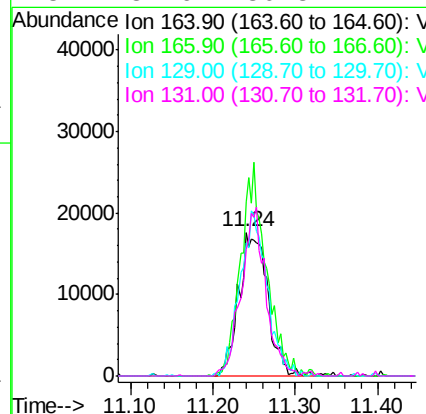
RT: 11.24 min Scan# 2629

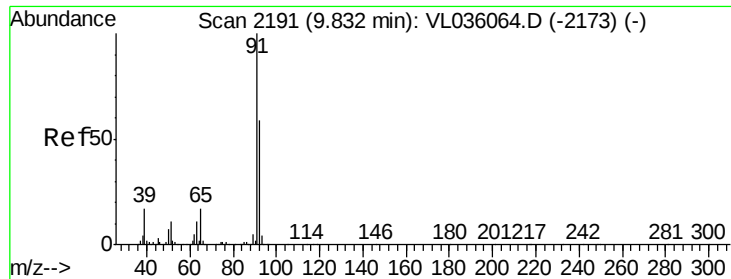
Delta R.T. -0.01 min

Lab File: VL036067.D

Acq: 7 Dec 2020 14:23

Tgt Ion:	164	Resp:	43055
Ion	Ratio	Lower	Upper
164	100		
166	121.3	101.9	152.9
129	92.7	82.1	123.1
131	87.6	80.8	121.2





#53

Toluene

Concen: 0.666 ppbv

RT: 9.83 min Scan# 2190

Delta R.T. -0.00 min

Lab File: VL036067.D

Acq: 7 Dec 2020 14:23

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tot Ion: 91 Resp: 141487

Ion Ratio Lower Upper

91 100

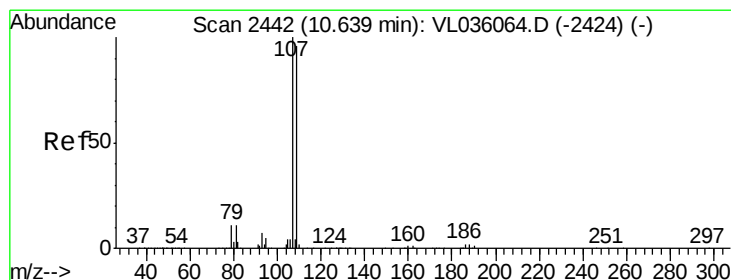
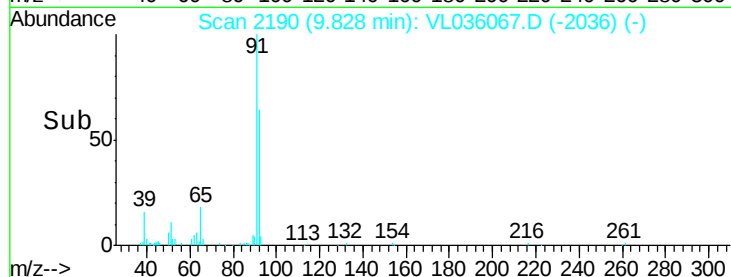
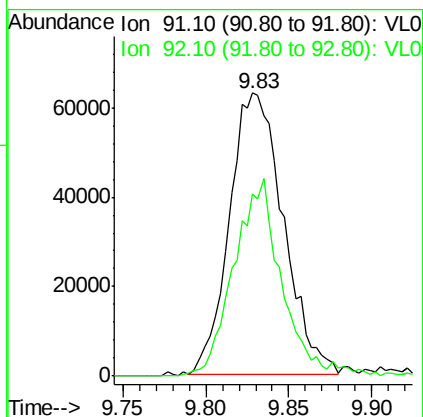
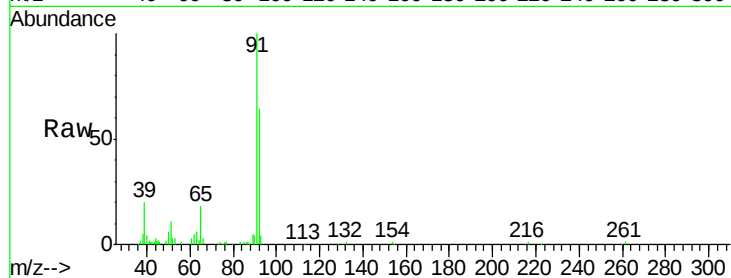
92 62.8 48.2 72.2

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#54

1,2-Dibromoethane

Concen: 0.575 ppbv m

RT: 10.64 min Scan# 2443

Delta R.T. 0.00 min

Lab File: VL036067.D

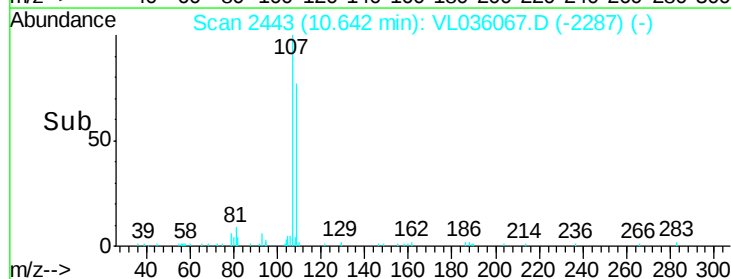
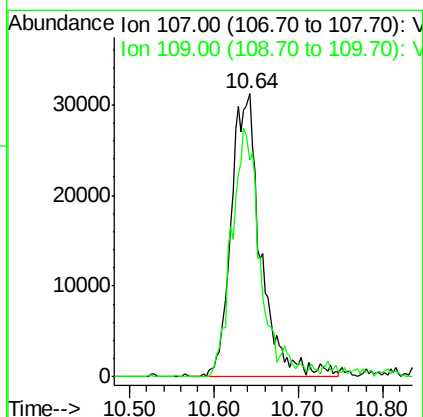
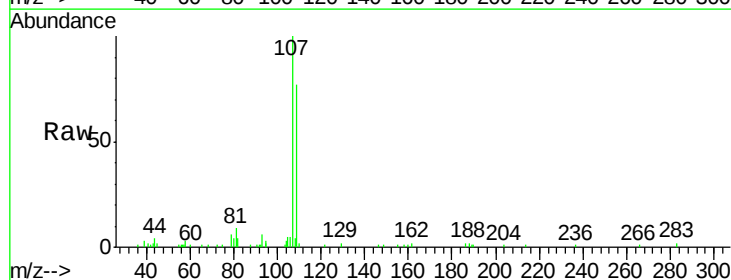
Acq: 7 Dec 2020 14:23

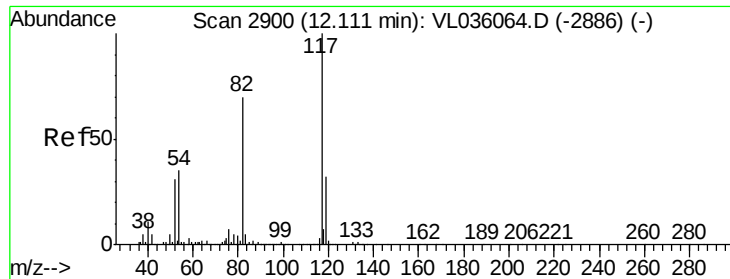
Tgt Ion: 107 Resp: 76442

Ion Ratio Lower Upper

107 100

109 76.5 76.6 115.0#





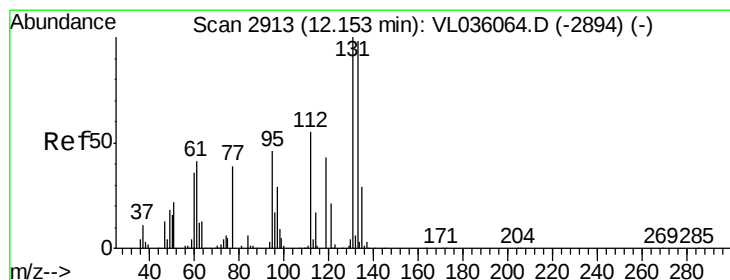
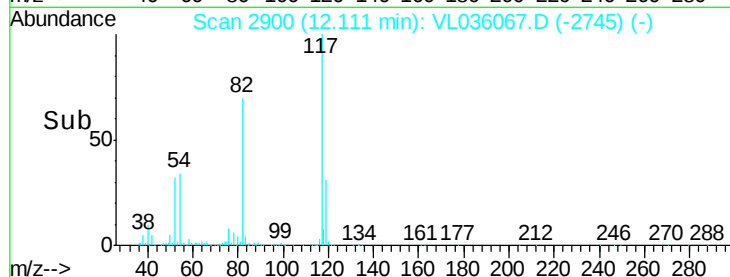
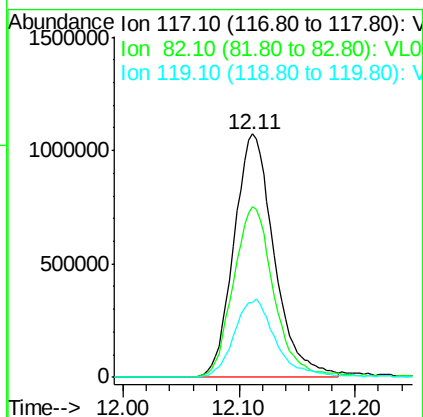
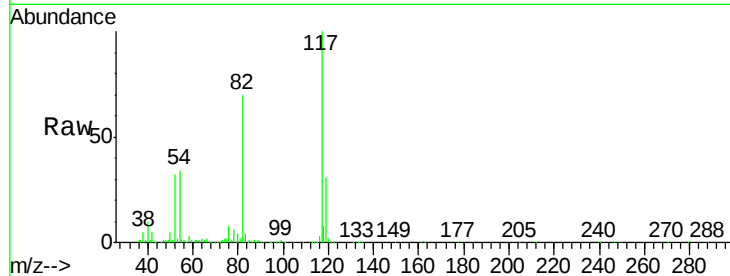
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.11 min Scan# 2900
Delta R.T. -0.00 min
Lab File: VL036067.D
Acq: 7 Dec 2020 14:23

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
117	100		
82	71.7	0.0	0.0#
119	33.8	0.0	0.0#

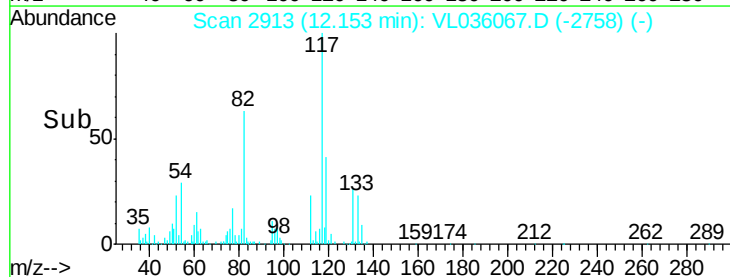
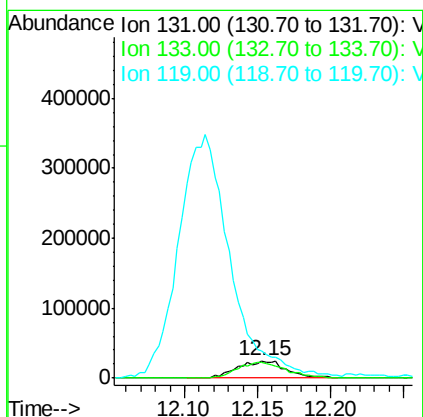
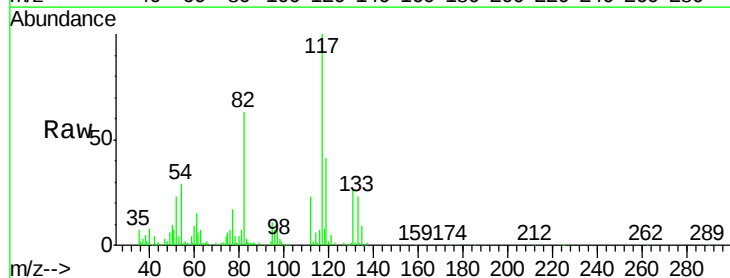
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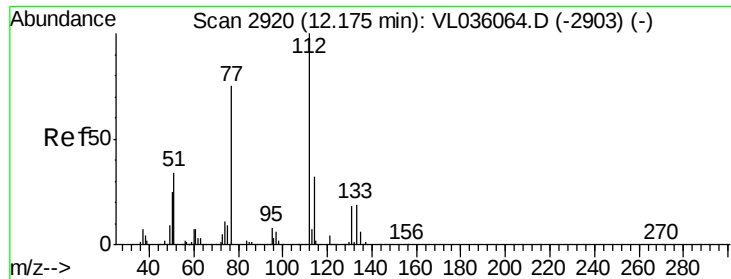
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#56
1,1,1,2-Tetrachloroethane
Concen: 0.542 ppbv m
RT: 12.15 min Scan# 2913
Delta R.T. -0.00 min
Lab File: VL036067.D
Acq: 7 Dec 2020 14:23

Tgt Ion	Ratio	Lower	Upper
131	100		
133	94.1	77.7	116.5
119	0.0	51.6	77.4#





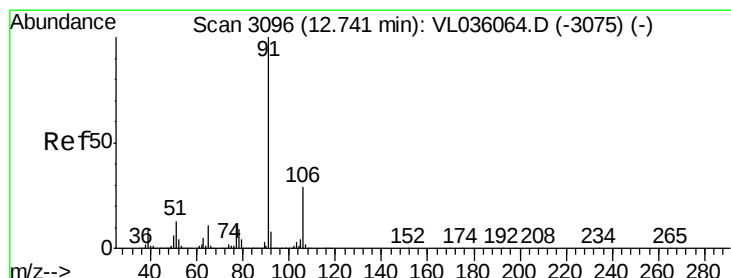
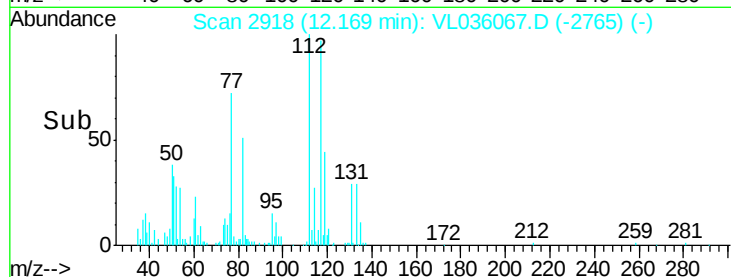
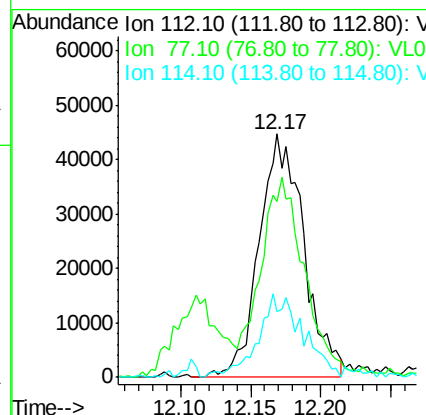
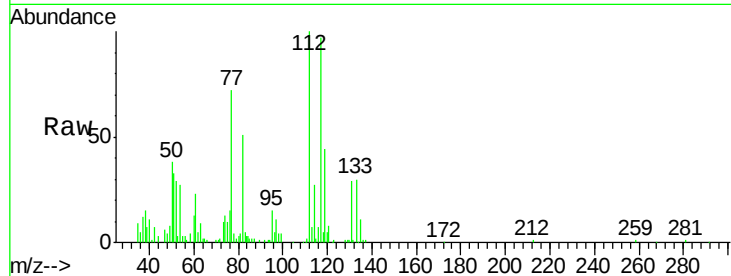
#57
Chlorobenzene
Concen: 0.518 ppbv m
RT: 12.17 min Scan# 2918
Delta R.T. -0.01 min
Lab File: VL036067.D
Acq: 7 Dec 2020 14:23

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
112	100		
77	71.9	60.5	90.7
114	27.0	29.2	35.6

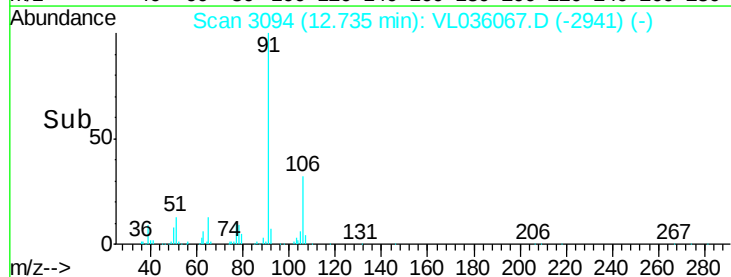
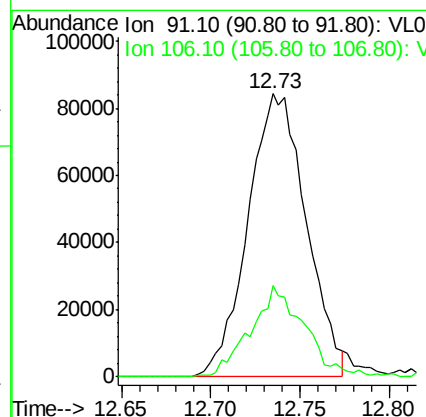
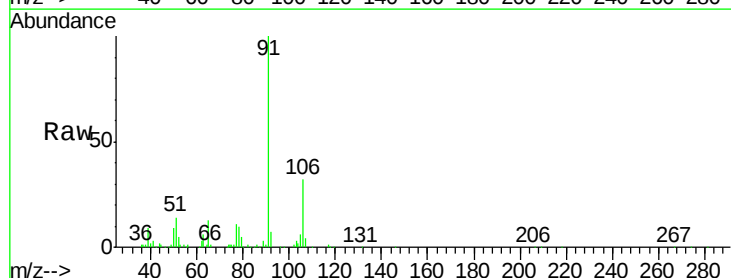
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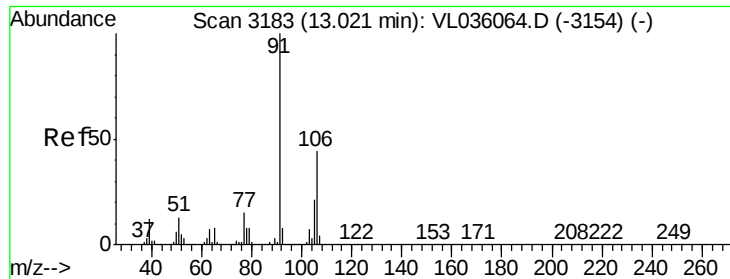
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#58
Ethyl Benzene
Concen: 0.751 ppbv
RT: 12.73 min Scan# 3094
Delta R.T. -0.01 min
Lab File: VL036067.D
Acq: 7 Dec 2020 14:23

Tgt Ion	Ratio	Lower	Upper
91	100		
106	32.5	23.0	34.4





#59

m/p-Xylene

Concen: 1.386 ppbv m

RT: 13.02 min Scan# 3183

Delta R.T. -0.00 min

Lab File: VL036067.D

Acq: 7 Dec 2020 14:23

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tot Ion: 91 Resp: 323667

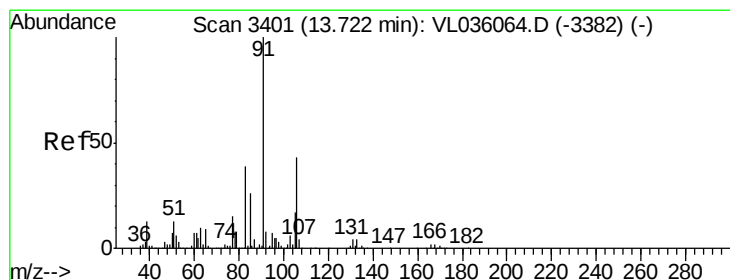
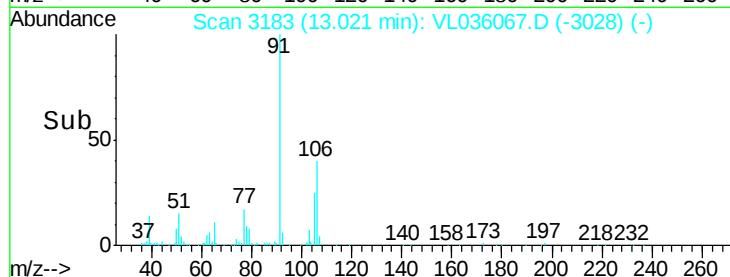
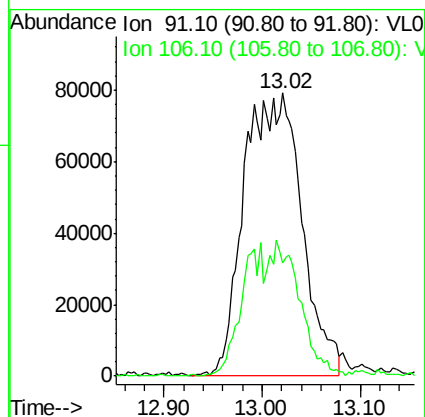
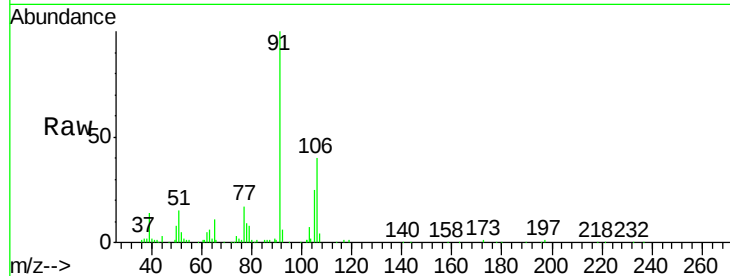
Ion Ratio Lower Upper

91 100

106 0.0 33.6 50.4#

Manual Integrations
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#60

o-Xylene

Concen: 0.680 ppbv

RT: 13.72 min Scan# 3401

Delta R.T. -0.00 min

Lab File: VL036067.D

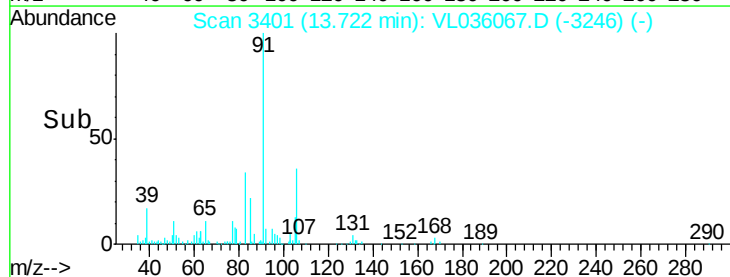
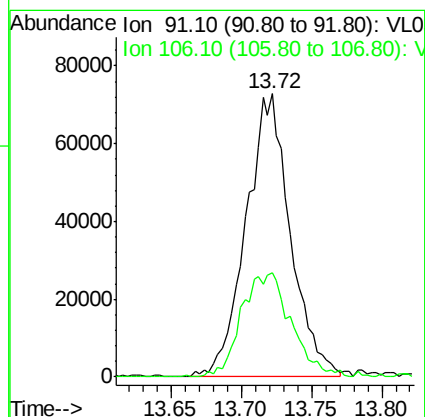
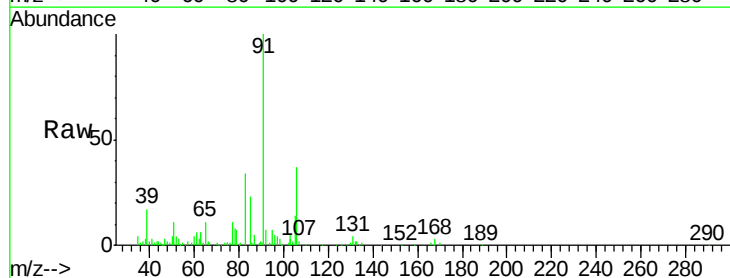
Acq: 7 Dec 2020 14:23

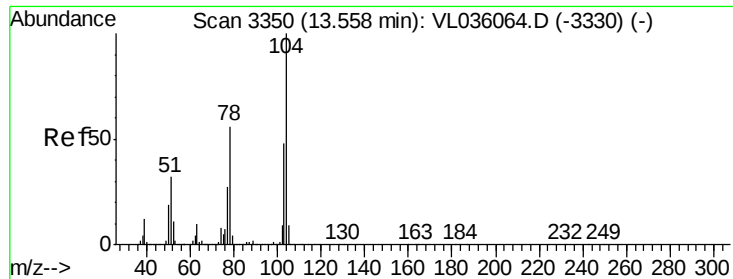
Tgt Ion: 91 Resp: 160159

Ion Ratio Lower Upper

91 100

106 41.5 21.6 64.6





#61

Stvrene

Concen: 0.704 ppbv m

RT: 13.55 min Scan# 3348

Delta R.T. -0.01 min

Lab File: VL036067.D

Acq: 7 Dec 2020 14:23

Instrument :

MSVOA_L

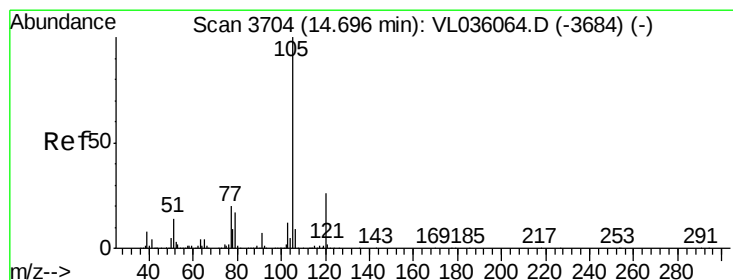
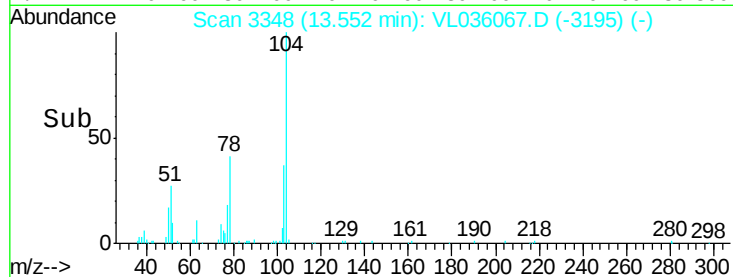
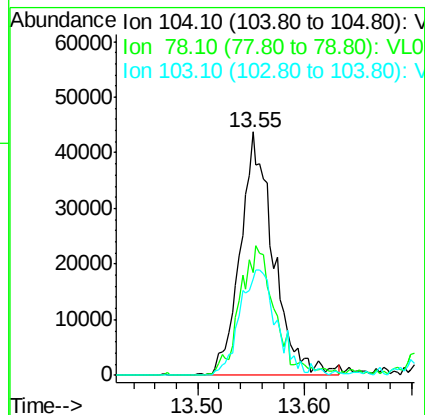
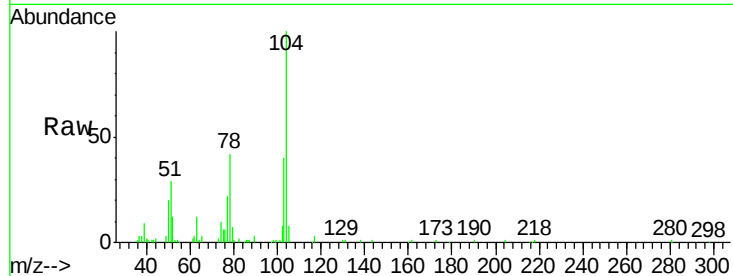
ClientSampleId :

VSTDIC0.5

Tot Ion:	104	Resp:	93982
Ion Ratio	Lower	Upper	
104	100		
78	57.7	45.8	68.8
103	50.2	38.6	57.8

Manual Integrations
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#62

Isopropylbenzene

Concen: 0.677 ppbv m

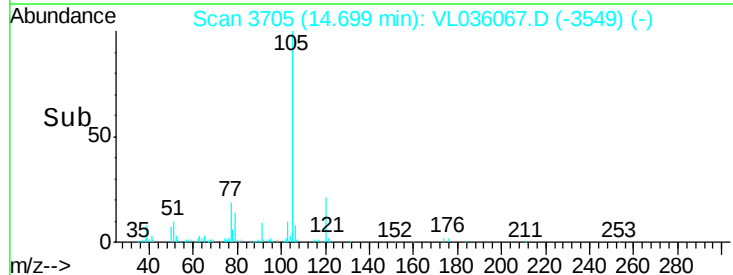
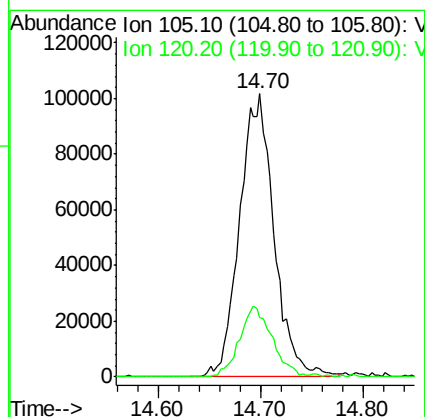
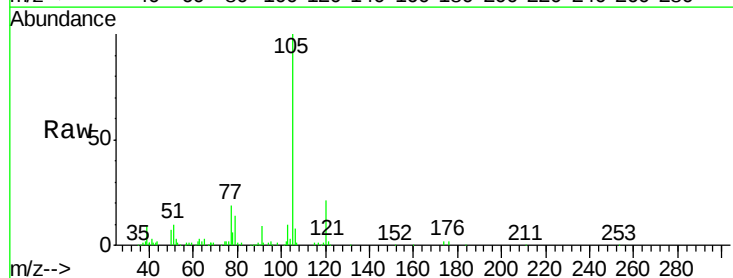
RT: 14.70 min Scan# 3705

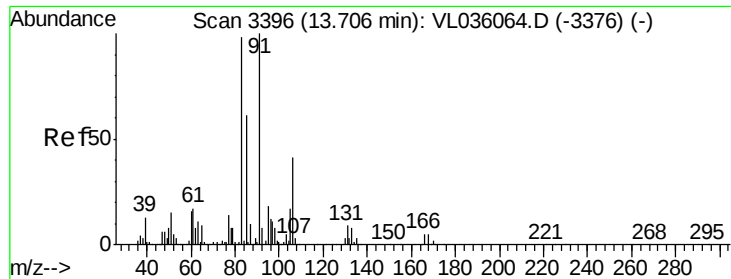
Delta R.T. 0.00 min

Lab File: VL036067.D

Acq: 7 Dec 2020 14:23

Tgt Ion:	105	Resp:	236775
Ion Ratio	Lower	Upper	
105	100		
120	0.0	20.1	30.1#





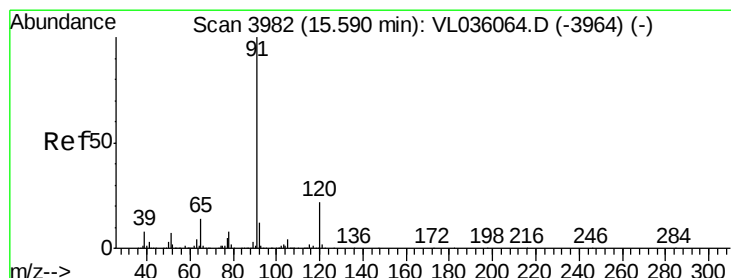
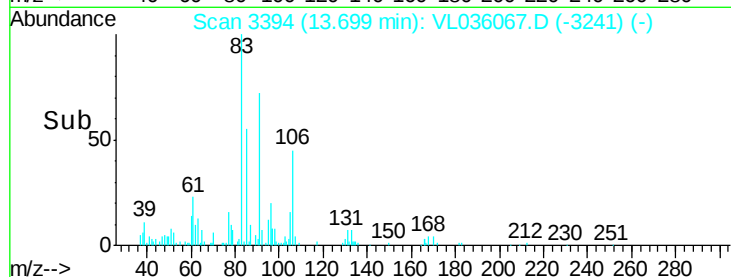
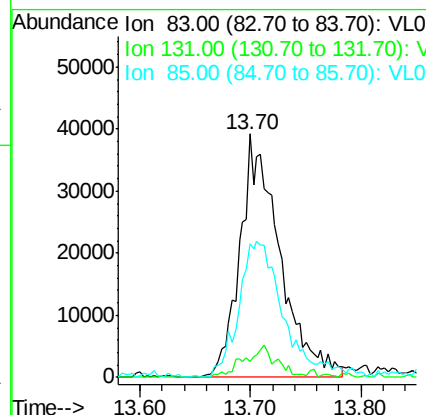
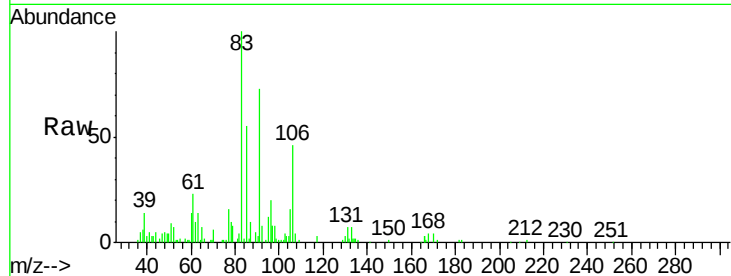
#63
 1,1,2,2-Tetrachloroethane
 Concen: 0.497 ppbv m
 RT: 13.70 min Scan# 3394
 Delta R.T. -0.01 min
 Lab File: VL036067.D
 Acq: 7 Dec 2020 14:23

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
83	100		
131	0.0	4.6	13.8#
85	63.7	32.5	97.5

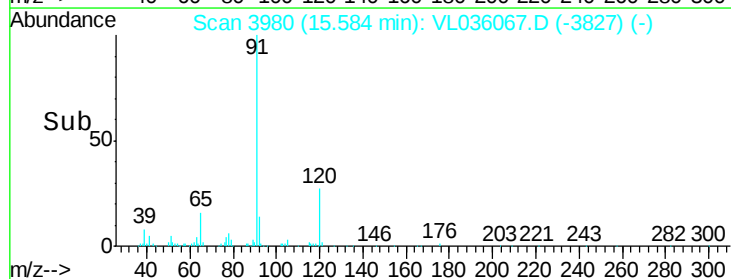
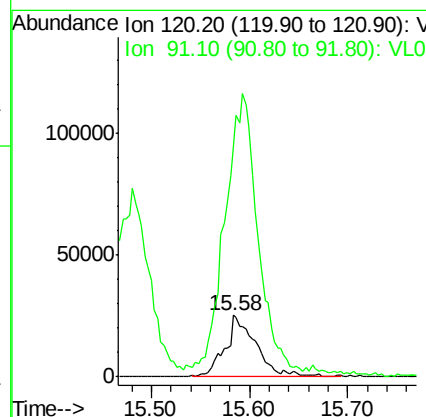
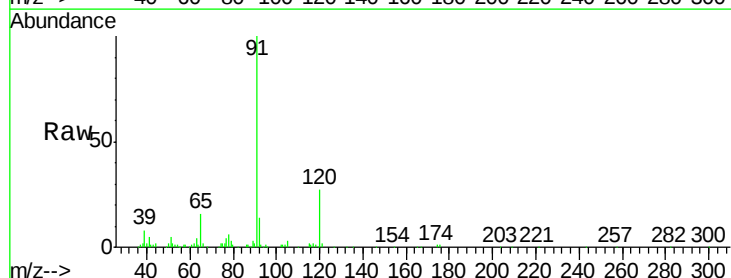
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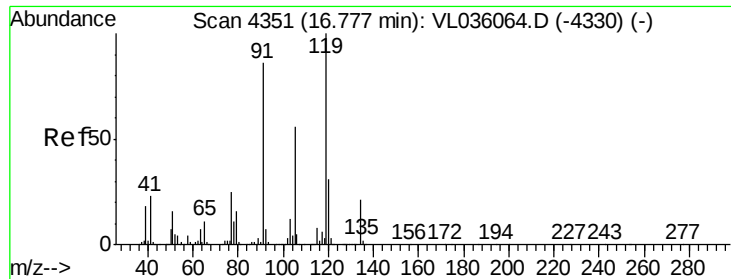
MMDadoda
 12/10/2020 9:53:19 AM



#64
 n-propylbenzene
 Concen: 0.610 ppbv m
 RT: 15.58 min Scan# 3980
 Delta R.T. -0.01 min
 Lab File: VL036067.D
 Acq: 7 Dec 2020 14:23

Tgt Ion	Ratio	Lower	Upper
120	100		
91	498.5	388.9	583.3





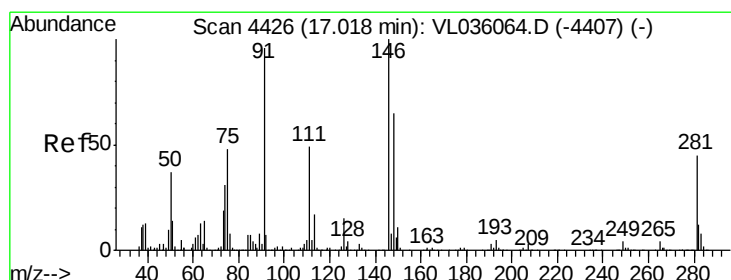
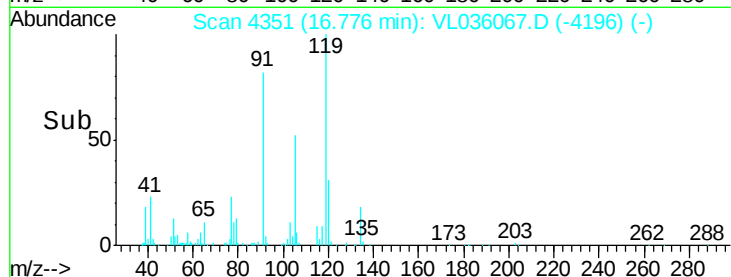
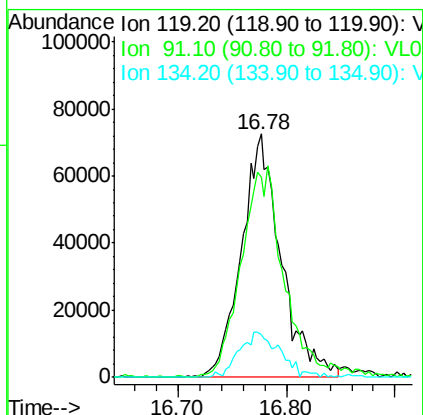
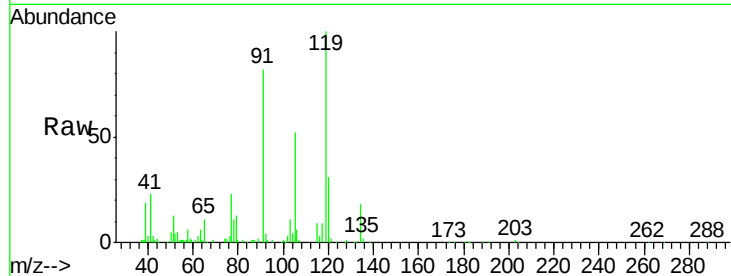
#65
tert-Butylbenzene
Concen: 0.628 ppbv m
RT: 16.78 min Scan# 4351
Delta R.T. -0.00 min
Lab File: VL036067.D
Acq: 7 Dec 2020 14:23

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
119	100		
91	95.0	70.2	105.2
134	19.9	15.8	23.6

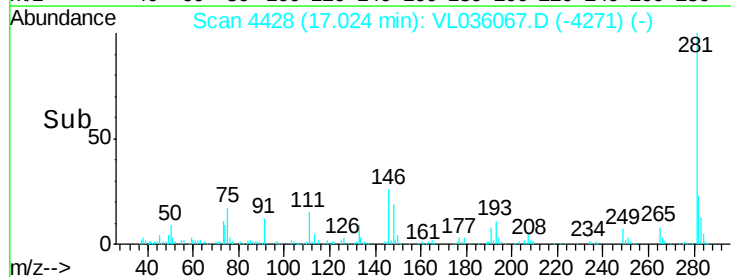
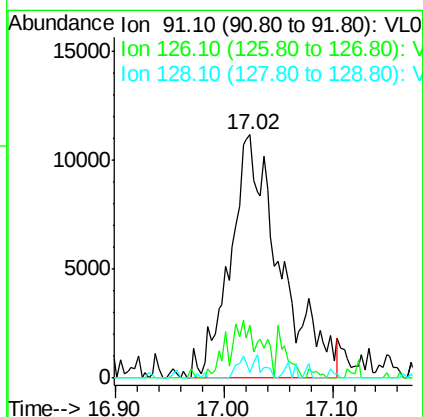
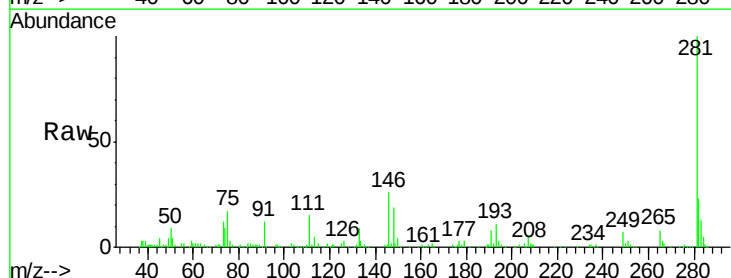
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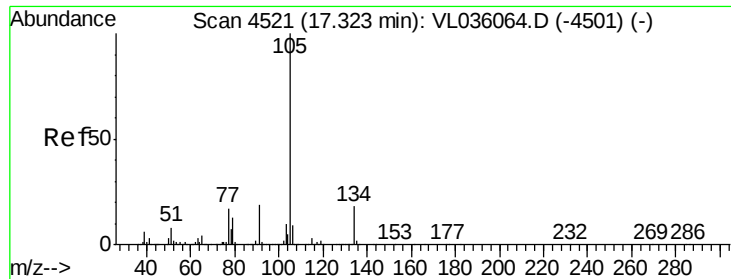
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#66
Benzyl Chloride
Concen: 0.505 ppbv m
RT: 17.02 min Scan# 4428
Delta R.T. 0.01 min
Lab File: VL036067.D
Acq: 7 Dec 2020 14:23

Tgt Ion	Ratio	Lower	Upper
91	100		
126	15.2	13.5	20.3
128	3.8	4.4	6.6





#67

sec-Butylbenzene

Concen: 0.657 ppbv m

RT: 17.32 min Scan# 4521

Delta R.T. -0.00 min

Lab File: VL036067.D

Acq: 7 Dec 2020 14:23

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tot Ion: 105 Resp: 263155

Ion Ratio Lower Upper

105 100

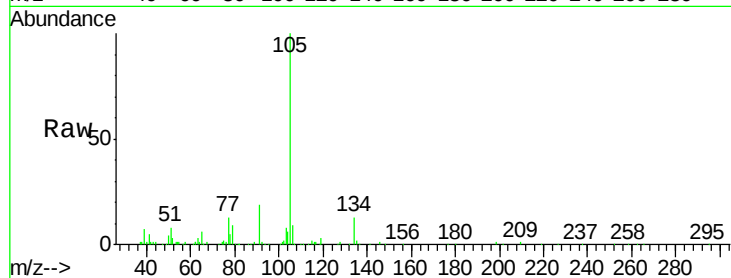
134 17.7 14.2 21.4

Manual Integrations

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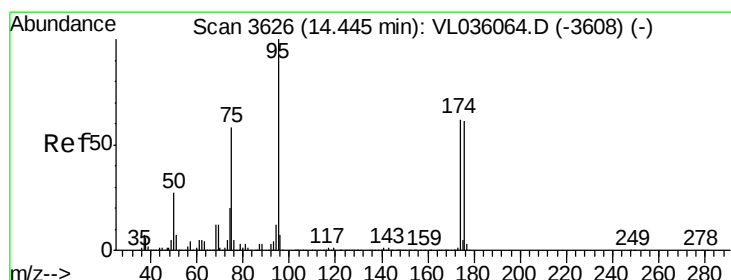
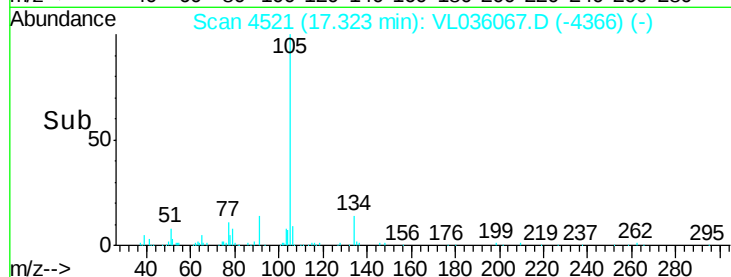
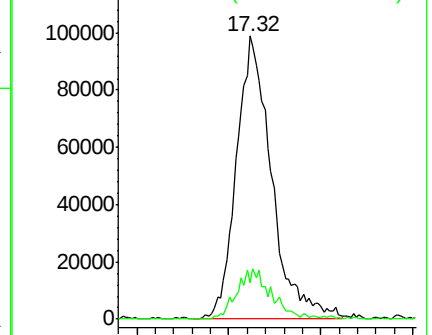
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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V



#68

1-Bromo-4-Fluorobenzene

Concen: 10.272 ppbv

RT: 14.44 min Scan# 3625

Delta R.T. -0.00 min

Lab File: VL036067.D

Acq: 7 Dec 2020 14:23

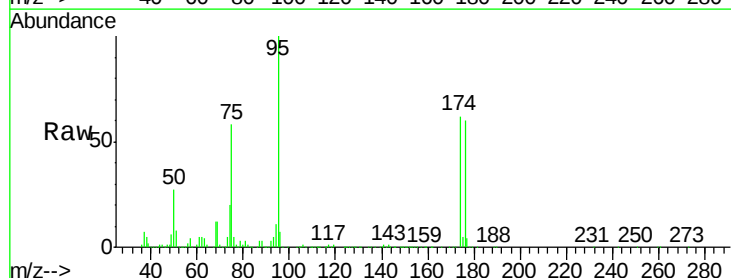
Tgt Ion: 95 Resp: 2031803

Ion Ratio Lower Upper

95 100

174 65.0 50.7 76.1

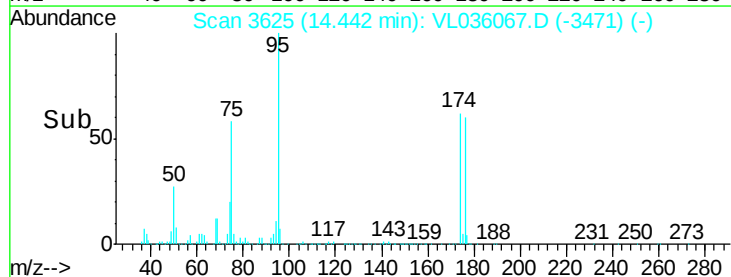
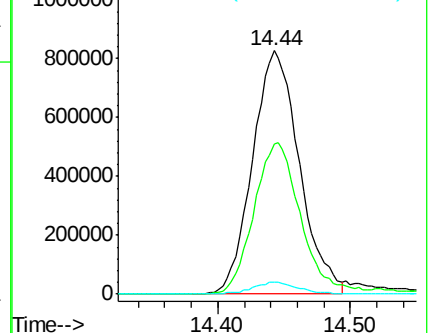
175 5.0 4.0 6.0

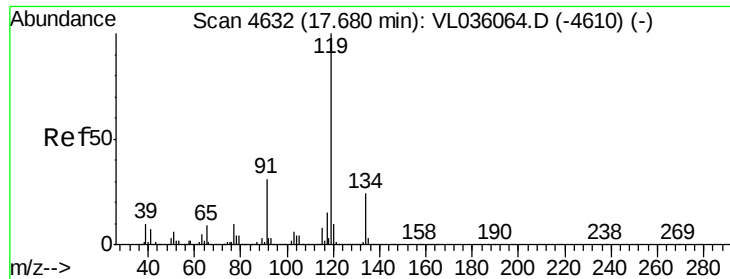


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V





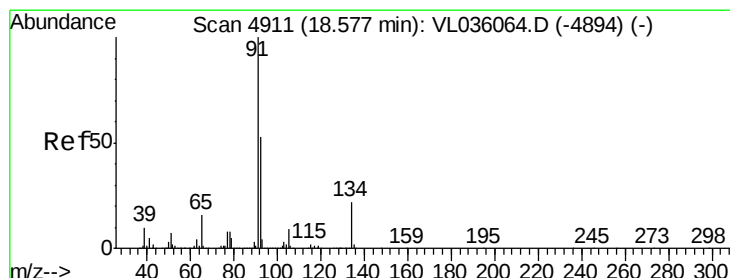
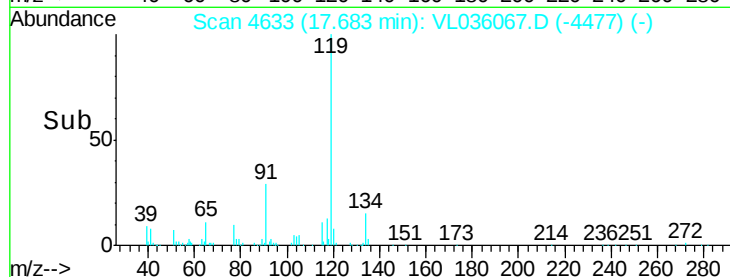
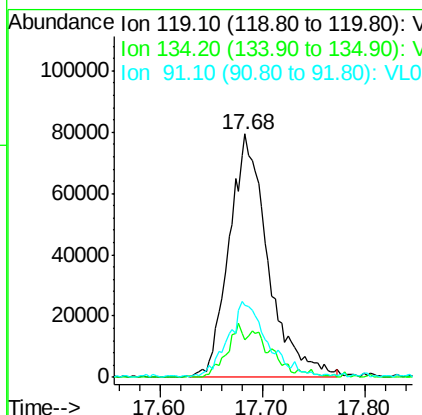
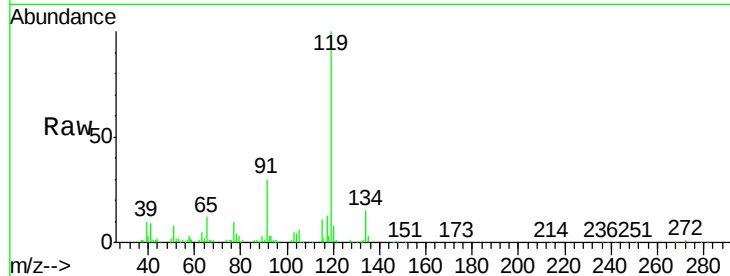
#69
p-Isopropyltoluene
Concen: 0.698 ppbv m
RT: 17.68 min Scan# 4633
Delta R.T. 0.00 min
Lab File: VL036067.D
Acq: 7 Dec 2020 14:23

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion	Ratio	Resp	Lower	Upper
119	100	211041		
134	23.3	19.8	29.6	
91	30.6	25.8	38.6	

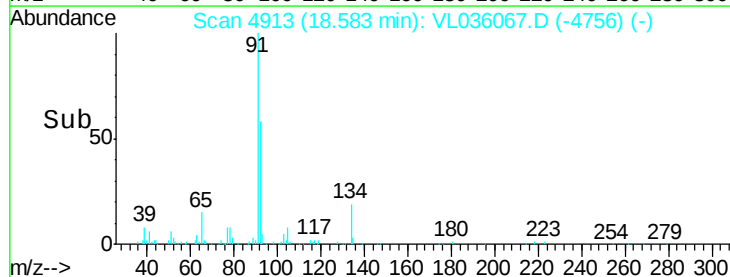
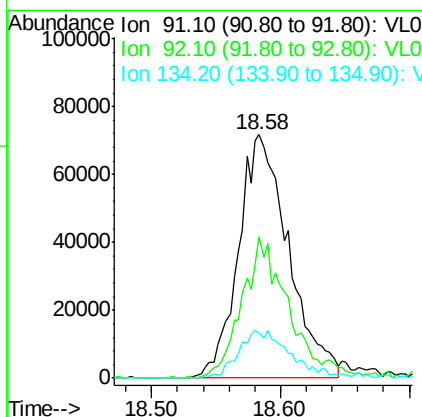
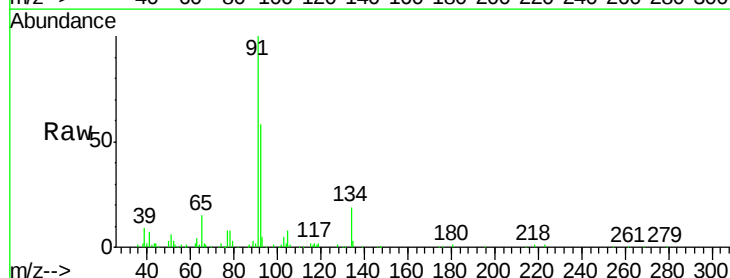
Manual Integrations
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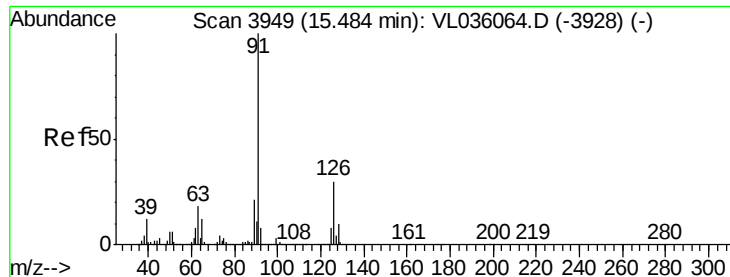
MMDadoda
12/10/2020 9:53:19 AM



#70
n-Butylbenzene
Concen: 0.645 ppbv
RT: 18.58 min Scan# 4913
Delta R.T. 0.01 min
Lab File: VL036067.D
Acq: 7 Dec 2020 14:23

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	193229		
92	54.2	43.3	64.9	
134	20.7	17.1	25.7	





#71

2-Chlorotoluene

Concen: 0.730 ppbv m

RT: 15.48 min Scan# 3948

Delta R.T. -0.00 min

Lab File: VL036067.D

Acq: 7 Dec 2020 14:23

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tot Ion: 91 Resp: 175497

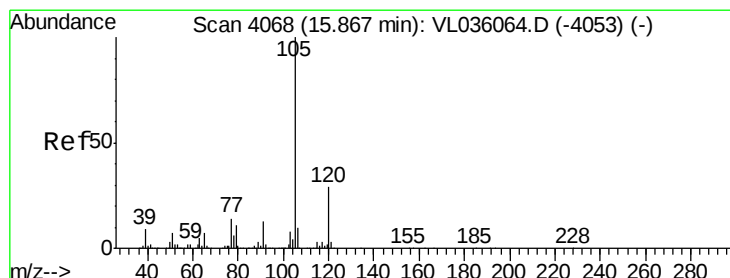
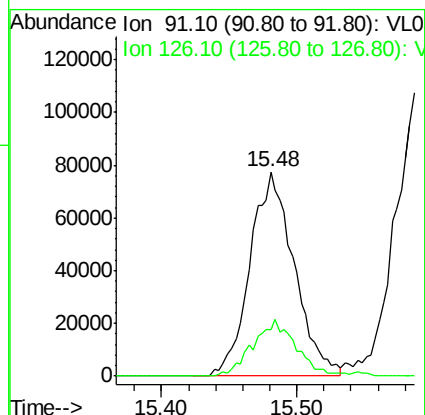
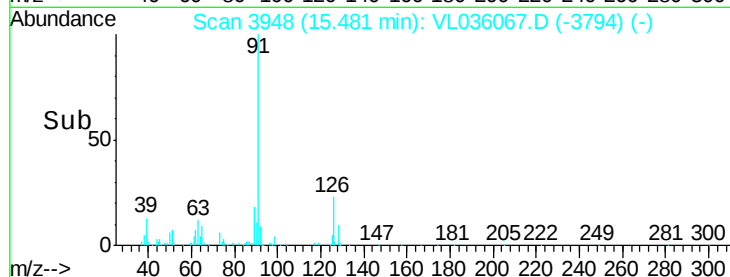
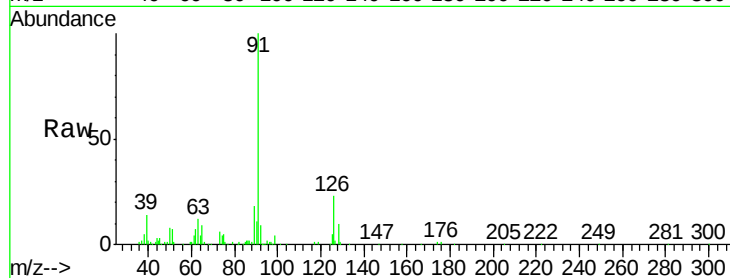
Ion Ratio Lower Upper

91 100

126 28.3 11.6 46.4

Manual Integrations
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#72

4-Ethyltoluene

Concen: 0.672 ppbv

RT: 15.87 min Scan# 4069

Delta R.T. 0.00 min

Lab File: VL036067.D

Acq: 7 Dec 2020 14:23

Tgt Ion: 105 Resp: 162984

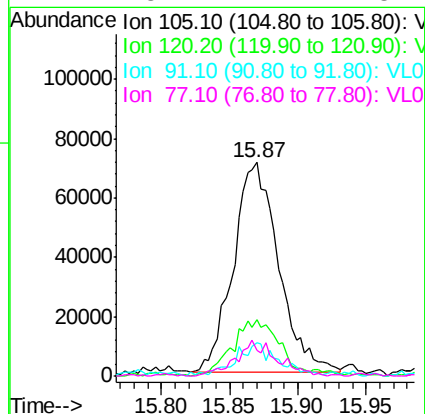
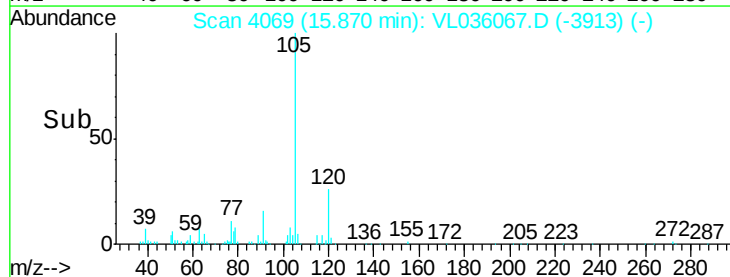
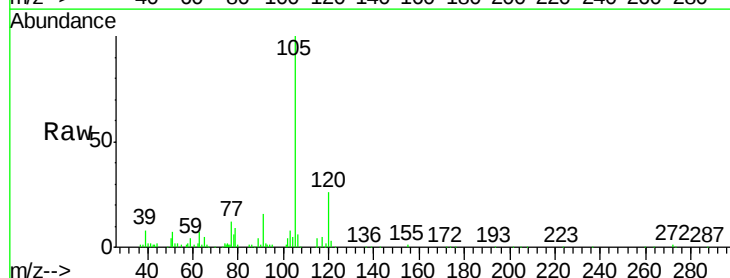
Ion Ratio Lower Upper

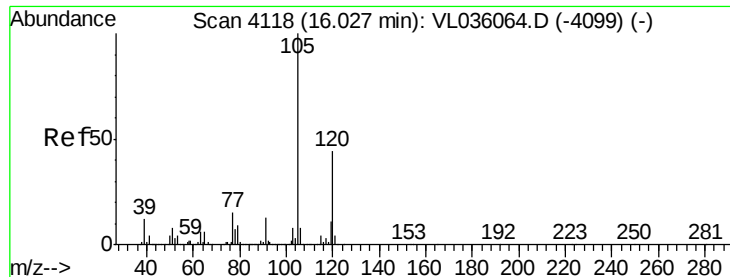
105 100

120 29.6 23.6 35.4

91 14.7 11.4 17.0

77 15.1 12.1 18.1





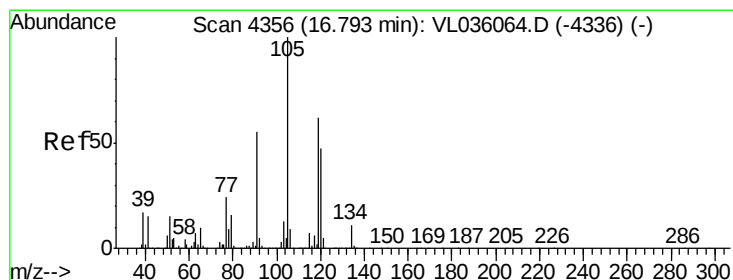
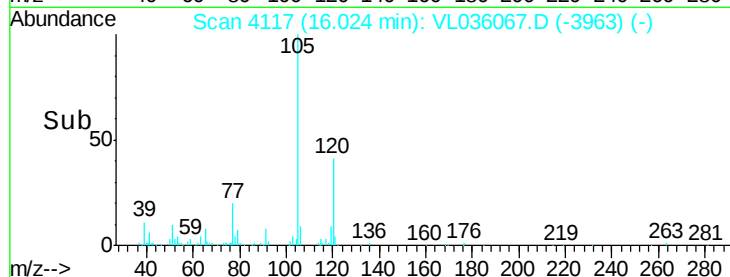
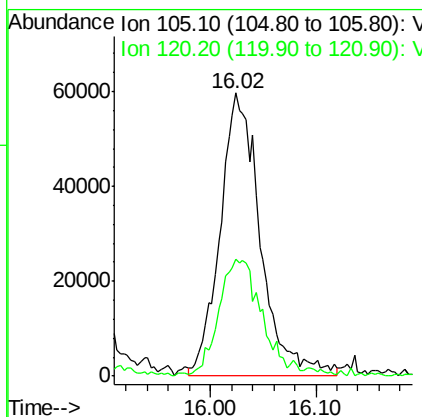
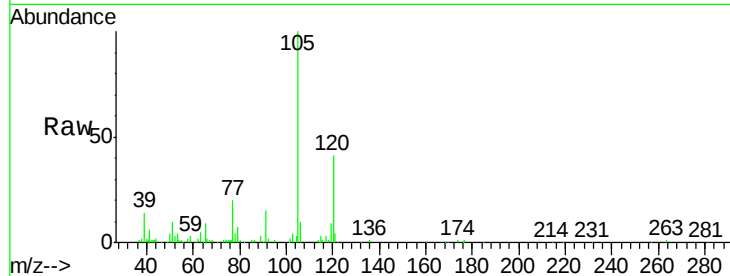
#73
 1,3,5-Trimethylbenzene
 Concen: 0.696 ppbv m
 RT: 16.02 min Scan# 4117
 Delta R.T. -0.00 min
 Lab File: VL036067.D
 Acq: 7 Dec 2020 14:23

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
105	100		
120	41.4	35.4	53.2

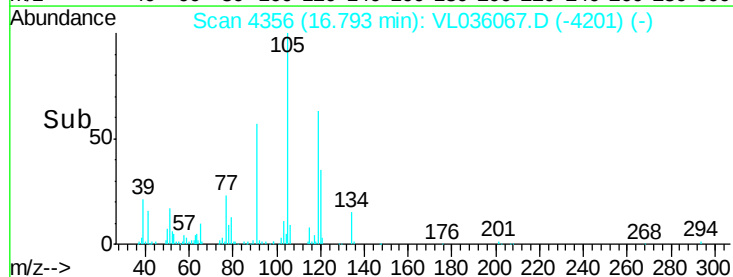
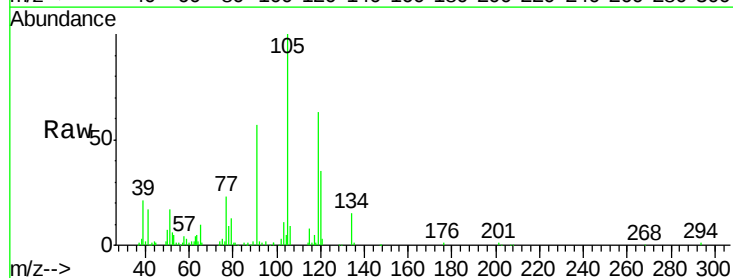
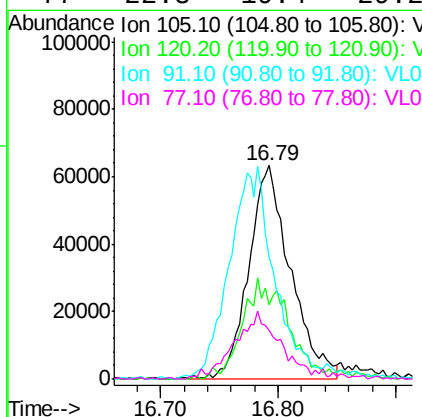
Manual Integrations
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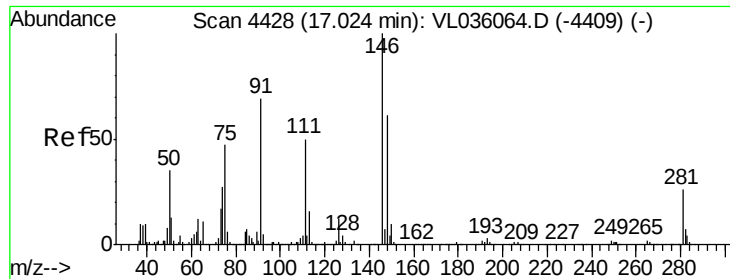
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#74
 1,2,4-Trimethylbenzene
 Concen: 0.618 ppbv m
 RT: 16.79 min Scan# 4356
 Delta R.T. -0.00 min
 Lab File: VL036067.D
 Acq: 7 Dec 2020 14:23

Tgt Ion	Ratio	Lower	Upper
105	100		
120	34.9	37.4	56.0#
91	56.9	45.6	68.4
77	22.8	19.4	29.2





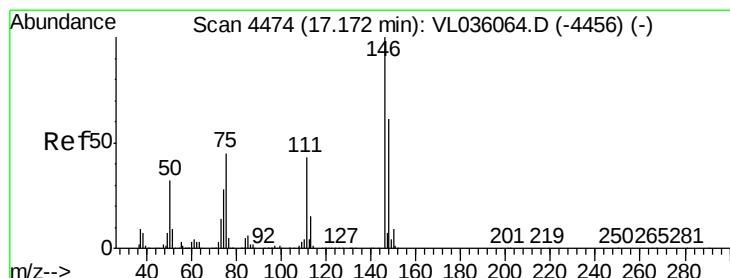
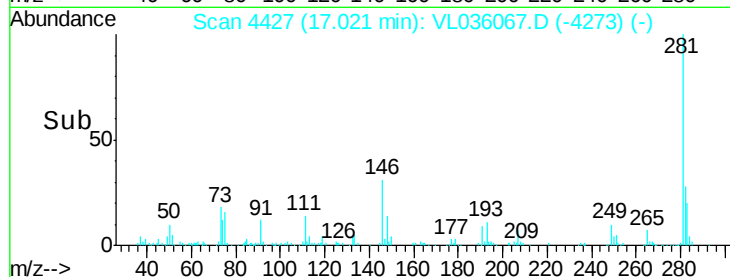
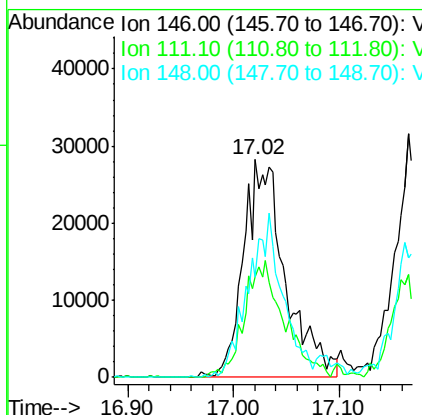
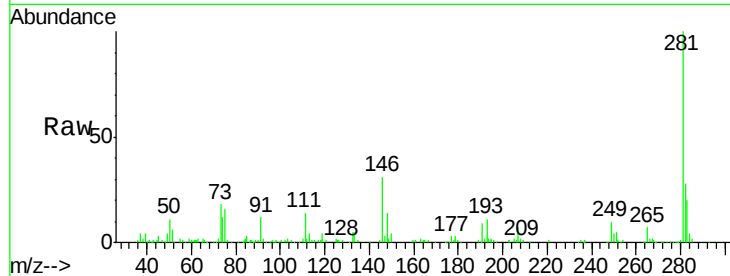
#75
 1,3-Dichlorobenzene
 Concen: 0.509 ppbv m
 RT: 17.02 min Scan# 4427
 Delta R.T. -0.00 min
 Lab File: VL036067.D
 Acq: 7 Dec 2020 14:23

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
146	100		
111	0.0	25.1	75.3#
148	0.0	32.9	98.6#

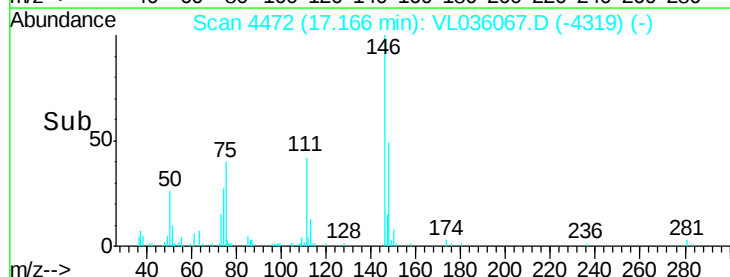
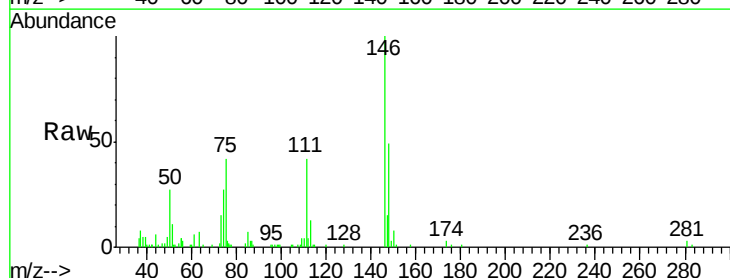
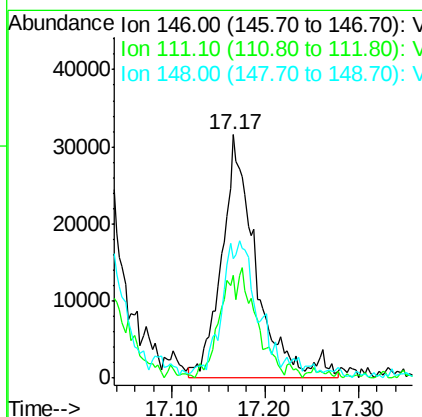
Manual Integrations
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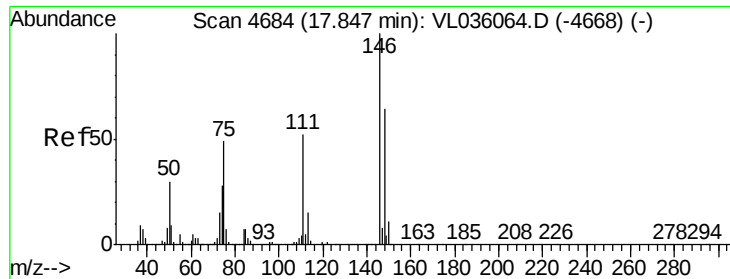
MMDadoda
 12/10/2020 9:53:19 AM



#76
 1,4-Dichlorobenzene
 Concen: 0.560 ppbv m
 RT: 17.17 min Scan# 4472
 Delta R.T. -0.01 min
 Lab File: VL036067.D
 Acq: 7 Dec 2020 14:23

Tgt Ion	Ratio	Lower	Upper
146	100		
111	47.9	24.3	72.8
148	67.0	32.8	98.3





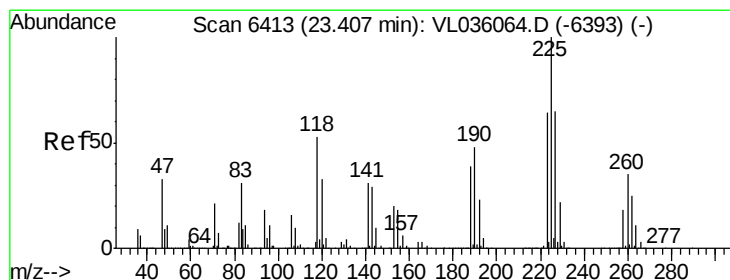
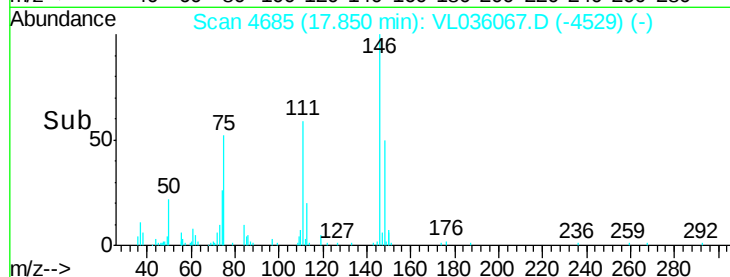
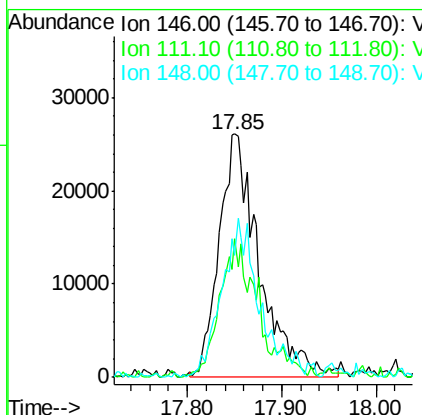
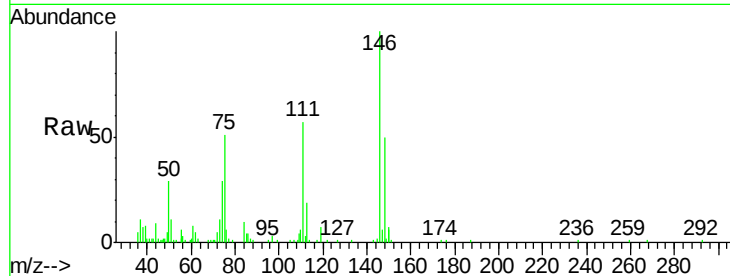
#77
 1,2-Dichlorobenzene
 Concen: 0.549 ppbv m
 RT: 17.85 min Scan# 4685
 Delta R.T. 0.00 min
 Lab File: VL036067.D
 Acq: 7 Dec 2020 14:23

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
146	100		
111	54.7	26.1	78.2
148	62.1	33.1	99.5

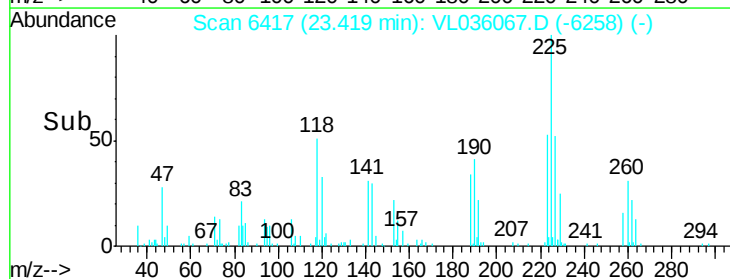
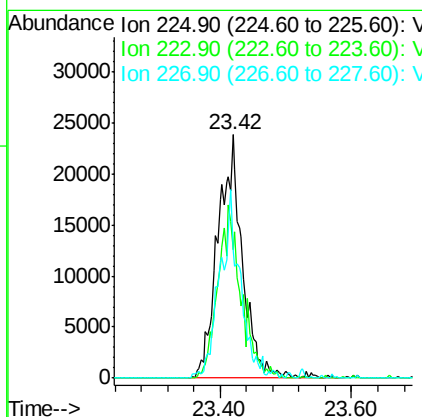
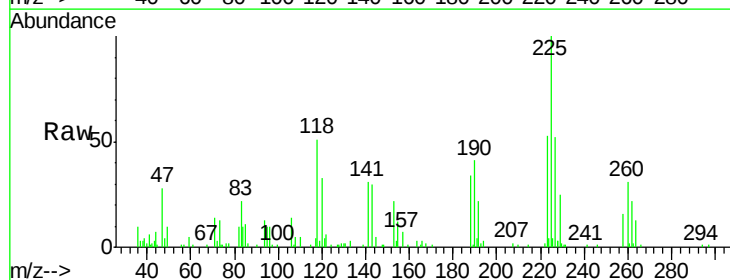
Manual Integrations
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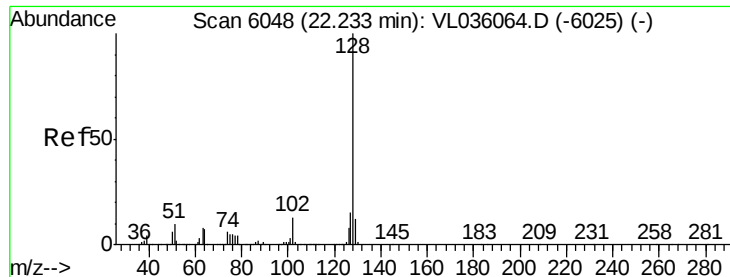
MMDadoda
 12/10/2020 9:53:19 AM



#78
 Hexachloro-1,3-Butadiene
 Concen: 0.800 ppbv m
 RT: 23.42 min Scan# 6417
 Delta R.T. 0.01 min
 Lab File: VL036067.D
 Acq: 7 Dec 2020 14:23

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





#79

Naphthalene

Concen: 0.562 ppbv m

RT: 22.25 min Scan# 6052

Delta R.T. 0.01 min

Lab File: VL036067.D

Acq: 7 Dec 2020 14:23

Instrument :

MSVOA_L

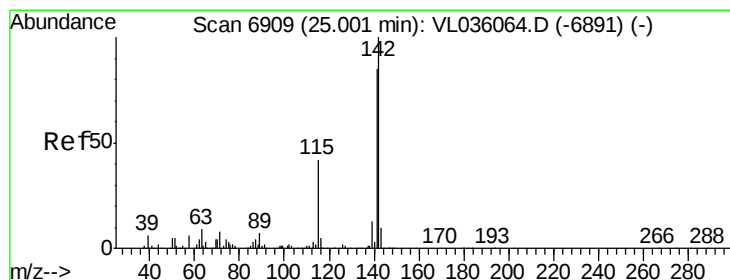
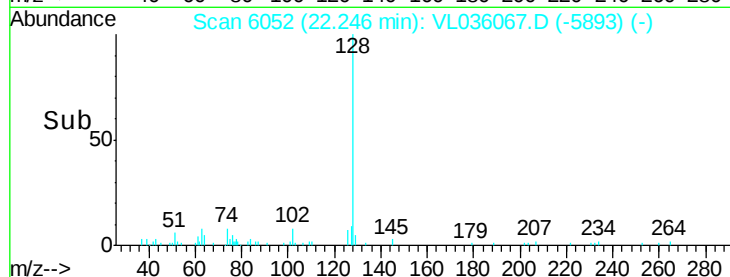
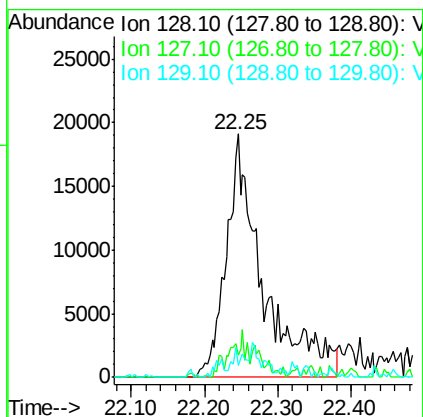
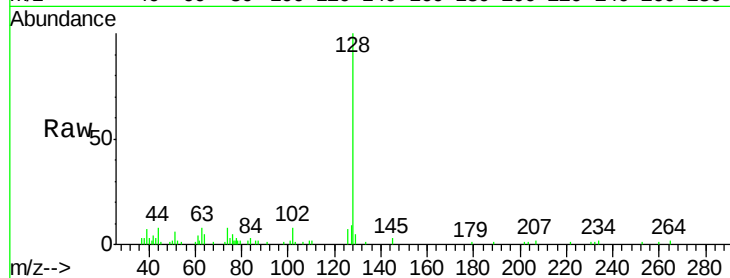
ClientSampleId :

VSTDIC0.5

Tot Ion:	128	Resp:	66486
Ion Ratio	Lower	Upper	
128	100		
127	8.9	11.7	17.5#
129	4.7	9.3	13.9#

Manual Integrations
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12/10/2020 9:53:19 AM



#80

Naphthalene, 2-methyl-

Concen: 0.114 ppbv

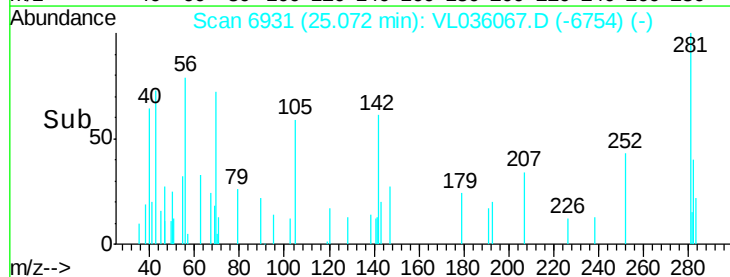
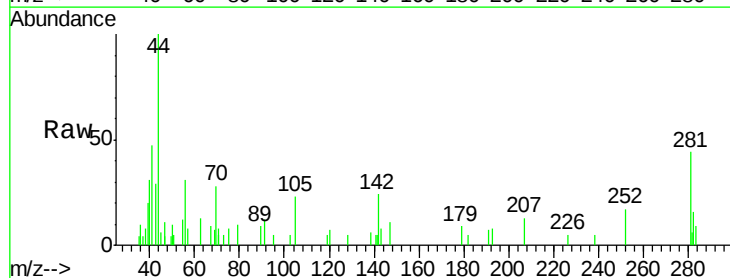
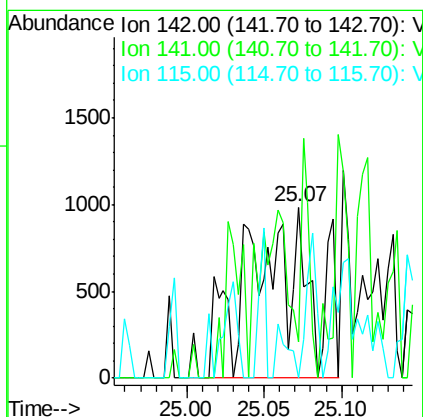
RT: 25.07 min Scan# 6931

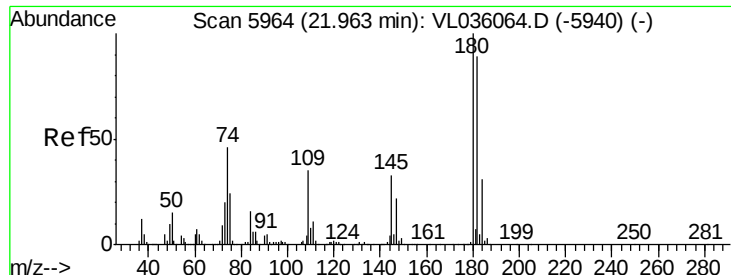
Delta R.T. 0.07 min

Lab File: VL036067.D

Acq: 7 Dec 2020 14:23

Tgt Ion:	142	Resp:	2734
Ion Ratio	Lower	Upper	
142	100		
141	23.3	64.3	96.5#
115	14.1	33.9	50.9#





#81
 1,2,4-Trichlorobenzene
 Concen: 0.576 ppbv m
 RT: 21.97 min Scan# 5966
 Delta R.T. 0.01 min
 Lab File: VL036067.D
 Acq: 7 Dec 2020 14:23

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tot Ion:	180	Resp:	46769
Ion Ratio	Lower	Upper	
180	100		
182	0.0	0.0	0.0
184	0.0	0.0	0.0

Manual Integrations
 APPROVED

MMDadoda
 12/10/2020 9:53:19 AM

