

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL121620\
 Data File : VL036165.D
 Acq On : 16 Dec 2020 13:19
 Operator : SY/AP
 Sample : VL1216ABS01
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1216ABS01

Manual Integrations
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 12/17/2020 3:55:49 PM

Quant Time: Dec 17 06:14:44 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 16:56:49 2020
 QLast Update : Mon Dec 07 16:56:49 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1207825	10.00	ppbv	-0.04
33) 1,4-Difluorobenzene	7.16	114	2520625	10.00	ppbv	-0.04
55) Chlorobenzene-d5	12.07	117	2700304m	10.00	ppbv	-0.04

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.40	95	2169851	10.12	ppbv	-0.05
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.20%

Target Compounds

	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	3.02	85	1047038	7.439	ppbv	96
3) Chlorodifluoromethane	2.96	51	1475777	10.709	ppbv	99
4) Chloromethane	3.12	50	722277	10.676	ppbv	100
5) Vinyl Chloride	3.23	62	678969	9.021	ppbv	94
6) Bromomethane	3.45	94	368204	9.481	ppbv	91
7) Chloroethane	3.54	64	245174	9.562	ppbv	93
8) Dichlorotetrafluoroethane	3.16	85	1559518	9.969	ppbv	89
9) Propene	2.99	41	668409	9.682	ppbv	99
10) Heptane	8.10	43	1774065	10.062	ppbv	100
11) Trichlorofluoromethane	3.93	101	1754009	10.599	ppbv	98
12) 1,1,2-Trichlorotrifluoroet	4.46	101	1102210	9.807	ppbv	93
13) Ethanol	3.58	45	101398	10.655	ppbv	90
14) Bromoethene	3.72	108	455913	9.888	ppbv	98
15) Acetone	3.83	43	1569491	10.812	ppbv	97
16) 1,3-Butadiene	3.30	39	736540	10.074	ppbv	97
17) tert-Butyl alcohol	4.27	59	1255647	8.930	ppbv	100
18) 1,1-Dichloroethene	4.27	96	482881	9.677	ppbv	96
19) Isopropyl Alcohol	3.94	45	836187	9.425	ppbv #	100
20) Methylene Chloride	4.32	84	459178	7.719	ppbv	98
21) Allyl Chloride	4.39	41	878368	9.100	ppbv	91
22) trans-1,2-Dichloroethene	4.86	96	468289	9.373	ppbv	93
23) Vinyl Acetate	5.05	43	1893633	9.798	ppbv	99
24) 1,1-Dichloroethane	4.99	63	1304674	9.598	ppbv	98
25) Ethyl Acetate	5.65	43	2938535	10.133	ppbv	99
26) Hexane	5.66	57	1200887	9.201	ppbv	99
27) Carbon Disulfide	4.53	76	1247224	9.615	ppbv	96
28) Methyl tert-Butyl Ether	5.01	73	1684319	9.077	ppbv	100
29) Chloroform	5.73	83	1842721	10.751	ppbv	97
30) Cyclohexane	7.10	84	914849	9.542	ppbv	97
31) cis-1,2-Dichloroethene	5.53	61	1256731	10.593	ppbv	95
32) 1,1,1-Trichloroethane	6.49	97	1801993	10.189	ppbv	97
34) 2-Butanone	5.22	43	1809726	10.824	ppbv	100
35) Carbon Tetrachloride	7.00	117	1742733	11.856	ppbv	98
36) Benzene	6.87	78	2357982	11.038	ppbv	98
37) 1,2-Dichloroethane	6.28	62	1568201	12.669	ppbv	97
38) Trichloroethene	7.82	130	734549	9.199	ppbv	92
39) 1,2-Dichloropropane	7.59	63	986361	11.692	ppbv	97
40) 1,4-Dioxane	7.81	88	304091	11.461	ppbv #	1
41) Tetrahydrofuran	6.02	42	1108204	11.157	ppbv	100
42) Bromodichloromethane	7.77	83	2067603	12.535	ppbv	98
43) Methyl Methacrylate	7.99	69	1052514	11.485	ppbv	94

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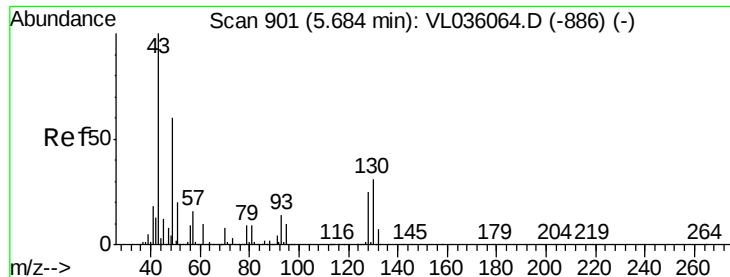
Manual Integrations
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 12/17/2020 3:55:49 PM

Quant Time: Dec 17 06:14:44 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)
44) 2,2,4-Trimethylpentane	7.85	57	4269044	11.035	ppbv	99
45) t-1,3-Dichloropropene	9.26	75	1154995	12.268	ppbv	97
46) cis-1,3-Dichloropropene	8.68	75	1395700	11.827	ppbv	95
47) 1,1,2-Trichloroethane	9.46	97	897794	11.062	ppbv	94
48) Dibromochloromethane	10.28	129	1449716	11.828	ppbv	99
49) Bromoform	13.02	173	1179543	12.228	ppbv	99
50) 4-Methyl-2-Pentanone	8.72	43	2908624	11.665	ppbv	99
51) 2-Hexanone	10.11	43	2376907	12.195	ppbv	97
52) Tetrachloroethene	11.20	164	696935	9.013	ppbv	92
53) Toluene	9.79	91	2634081	10.981	ppbv	100
54) 1,2-Dibromoethane	10.59	107	1360561	11.184	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.11	131	1081141	9.656	ppbv	96
57) Chlorobenzene	12.13	112	1784554	9.414	ppbv	99
58) Ethyl Benzene	12.69	91	3640803	9.838	ppbv	99
59) m/p-Xylene	12.98	91	6173627m	19.807	ppbv	
60) o-Xylene	13.67	91	2922418	9.952	ppbv	94
61) Styrene	13.51	104	1933169	10.254	ppbv	95
62) Isopropylbenzene	14.65	105	4138097	9.506	ppbv	98
63) 1,1,2,2-Tetrachloroethane	13.66	83	1986279	10.043	ppbv	99
64) n-propylbenzene	15.55	120	996857	9.519	ppbv	83
65) tert-Butylbenzene	16.73	119	3397090	9.534	ppbv	91
66) Benzyl Chloride	16.98	91	1153571	13.003	ppbv	95
67) sec-Butylbenzene	17.28	105	4949263	9.925	ppbv	97
69) p-Isopropyltoluene	17.64	119	3904804	9.845	ppbv	96
70) n-Butylbenzene	18.54	91	4368029	11.142	ppbv	98
71) 2-Chlorotoluene	15.44	91	3405956	10.351	ppbv	95
72) 4-Ethyltoluene	15.82	105	3212338	10.098	ppbv	97
73) 1,3,5-Trimethylbenzene	15.98	105	3057754	10.065	ppbv	96
74) 1,2,4-Trimethylbenzene	16.74	105	3078374	10.094	ppbv #	90
75) 1,3-Dichlorobenzene	16.98	146	1502333	9.841	ppbv	98
76) 1,4-Dichlorobenzene	17.12	146	1491285	9.595	ppbv	96
77) 1,2-Dichlorobenzene	17.80	146	1454330	9.978	ppbv	97
78) Hexachloro-1,3-Butadiene	23.36	225	880296	7.535	ppbv	100
79) Naphthalene	22.18	128	1548069	9.986	ppbv	98
80) Naphthalene,2-methyl-	24.97	142	638116	18.408	ppbv	95
81) 1,2,4-Trichlorobenzene	21.91	180	907651	8.764	ppbv #	100

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 889

Delta R.T. -0.04 min

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MSVOA_L

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VL1216ABS01

Tgt Ion: 49 Resp: 1207825

Ion Ratio Lower Upper

49 100

128 37.3 21.1 63.1

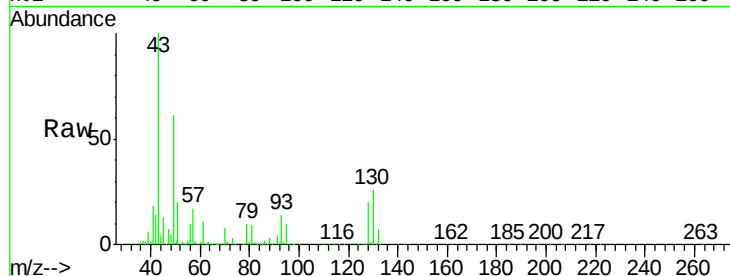
130 46.4 27.1 81.3

Manual Integrations

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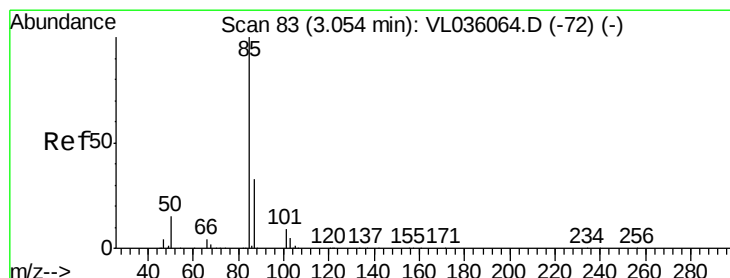
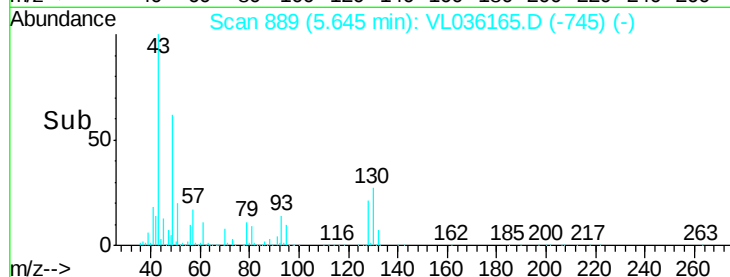
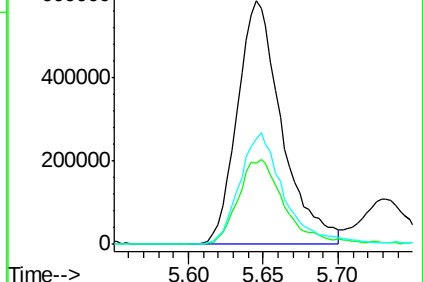
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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#2

Dichlorodifluoromethane

Concen: 7.439 ppbv

RT: 3.02 min Scan# 74

Delta R.T. -0.03 min

Lab File: VL036165.D

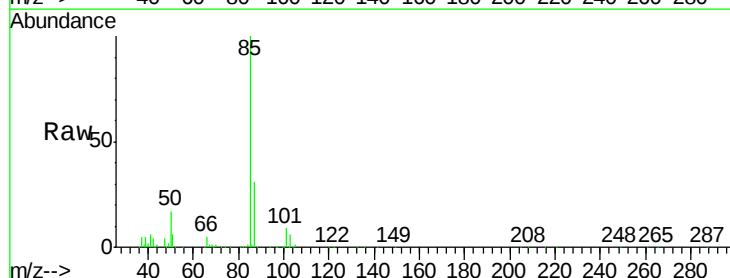
Acq: 16 Dec 2020 13:19

Tgt Ion: 85 Resp: 1047038

Ion Ratio Lower Upper

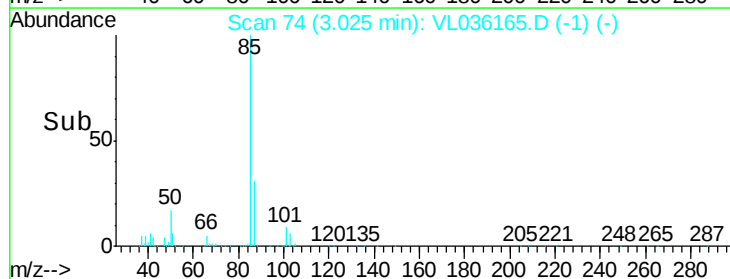
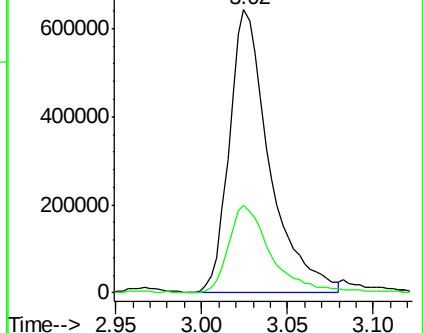
85 100

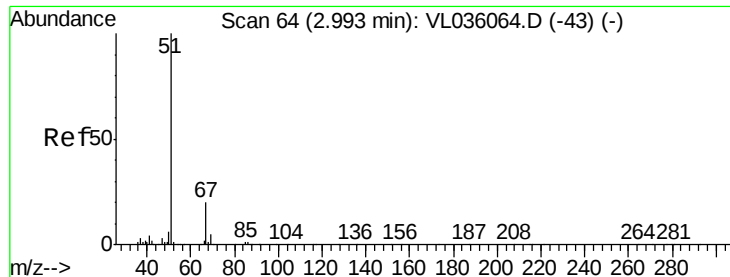
87 31.0 26.5 39.7



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 10.709 ppbv

RT: 2.96 min Scan# 55

Delta R.T. -0.03 min

Lab File: VL036165.D

Acq: 16 Dec 2020 13:19

Instrument :

MSVOA_L

ClientSampleId :

VL1216ABS01

Tgt Ion: 51 Resp: 1475777

Ion Ratio Lower Upper

51 100

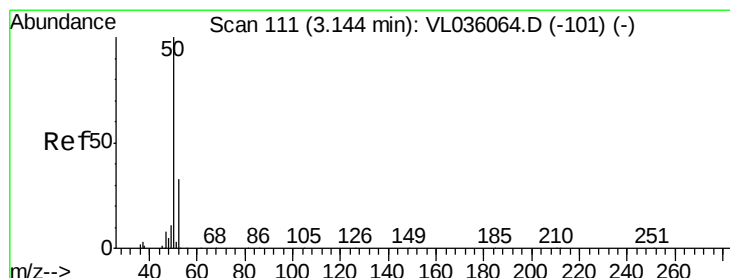
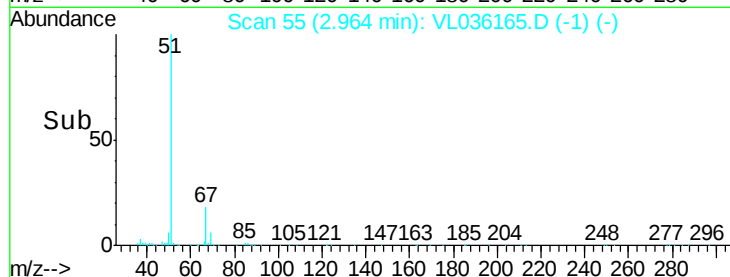
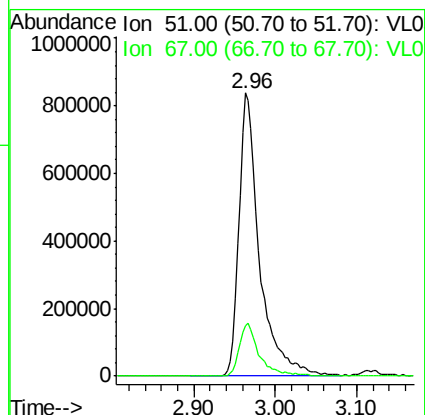
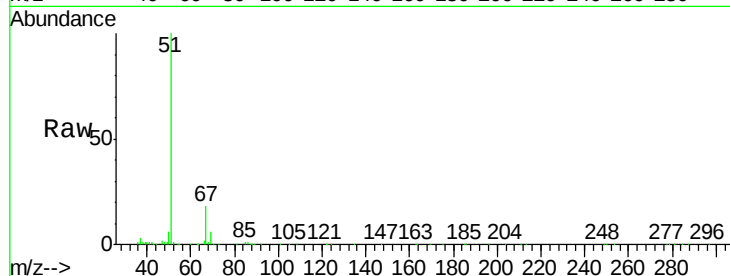
67 18.5 14.3 21.5

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#4

Chloromethane

Concen: 10.676 ppbv

RT: 3.12 min Scan# 103

Delta R.T. -0.03 min

Lab File: VL036165.D

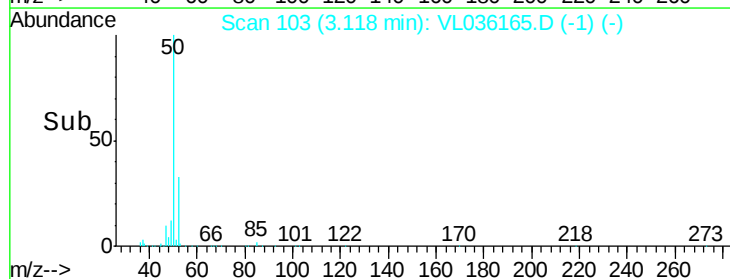
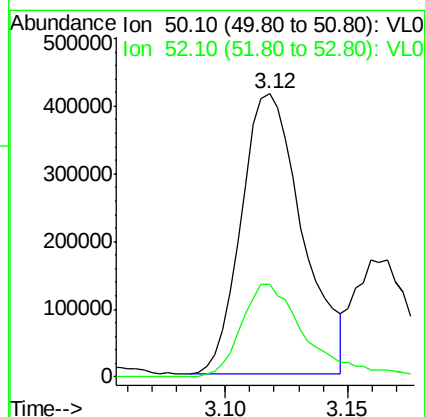
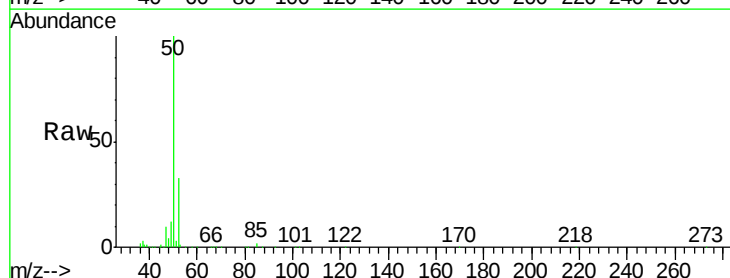
Acq: 16 Dec 2020 13:19

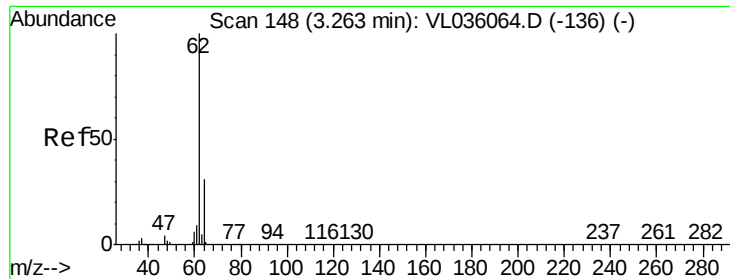
Tgt Ion: 50 Resp: 722277

Ion Ratio Lower Upper

50 100

52 32.7 26.1 39.1





#5

Vinyl Chloride

Concen: 9.021 ppbv

RT: 3.23 min Scan# 139

Delta R.T. -0.03 min

Lab File: VL036165.D

Acq: 16 Dec 2020 13:19

Instrument :

MSVOA_L

ClientSampleId :

VL1216ABS01

Tgt Ion: 62 Resp: 678969

Ion Ratio Lower Upper

62 100

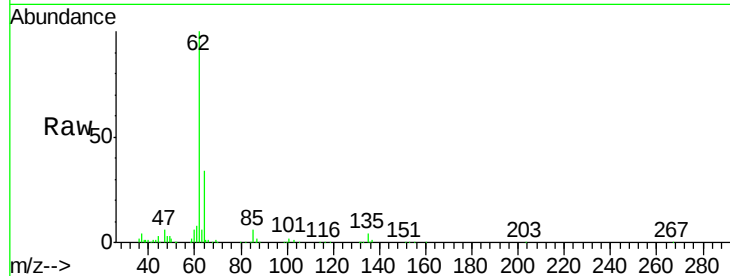
64 33.8 24.5 36.7

Manual Integrations

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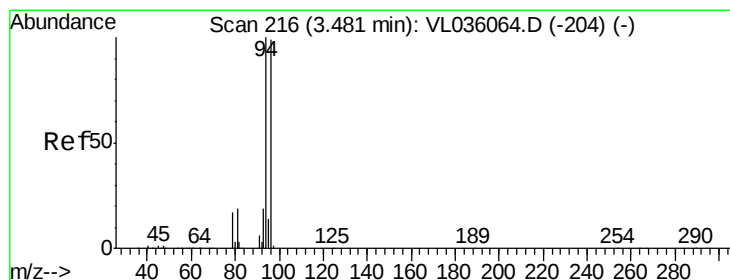
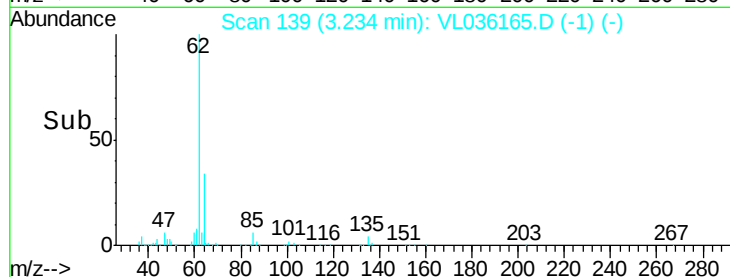
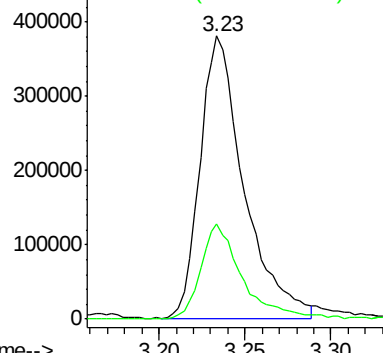
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Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 9.481 ppbv

RT: 3.45 min Scan# 207

Delta R.T. -0.03 min

Lab File: VL036165.D

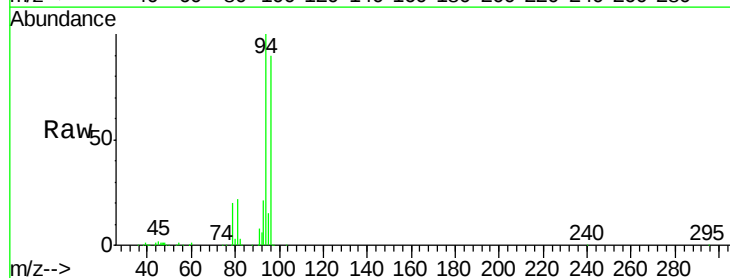
Acq: 16 Dec 2020 13:19

Tgt Ion: 94 Resp: 368204

Ion Ratio Lower Upper

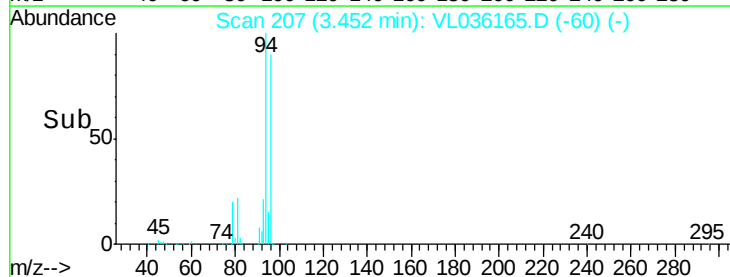
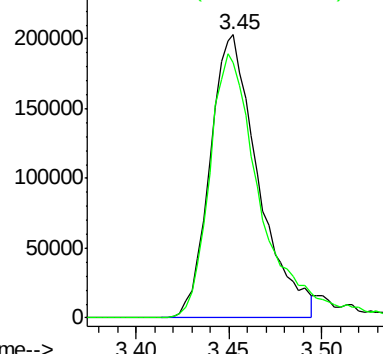
94 100

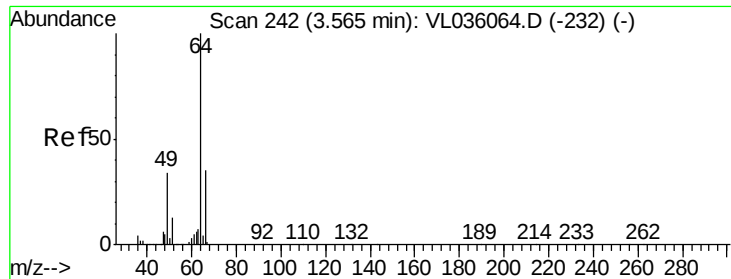
96 90.1 79.4 119.0



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 9.562 ppbv

RT: 3.54 min Scan# 233

Delta R.T. -0.03 min

Lab File: VL036165.D

Acq: 16 Dec 2020 13:19

Instrument :

MSVOA_L

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Tgt Ion: 64 Resp: 245174

Ion Ratio Lower Upper

64 100

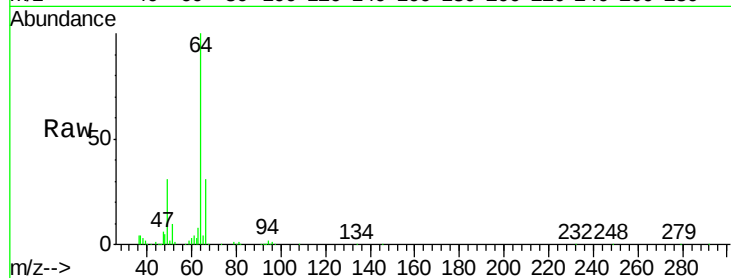
66 30.6 27.7 41.5

Manual Integrations

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Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0

150000

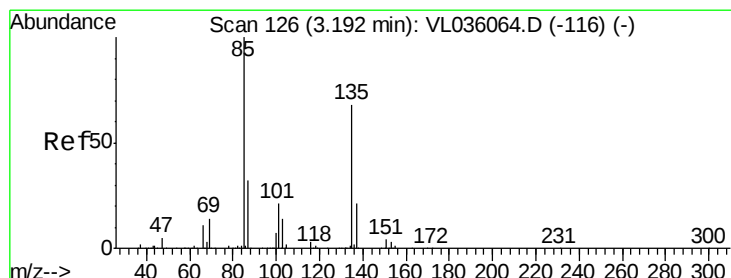
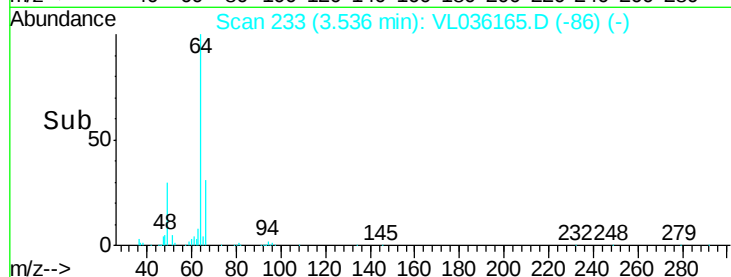
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50000

0

3.50 3.55 3.60

Time-->



#8

Dichlorotetrafluoroethane

Concen: 9.969 ppbv

RT: 3.16 min Scan# 117

Delta R.T. -0.03 min

Lab File: VL036165.D

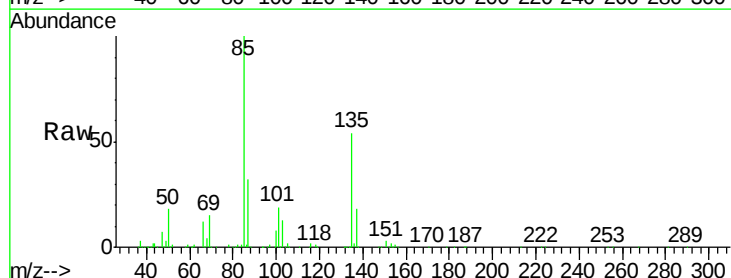
Acq: 16 Dec 2020 13:19

Tgt Ion: 85 Resp: 1559518

Ion Ratio Lower Upper

85 100

135 58.8 53.8 80.8



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V

1000000

800000

600000

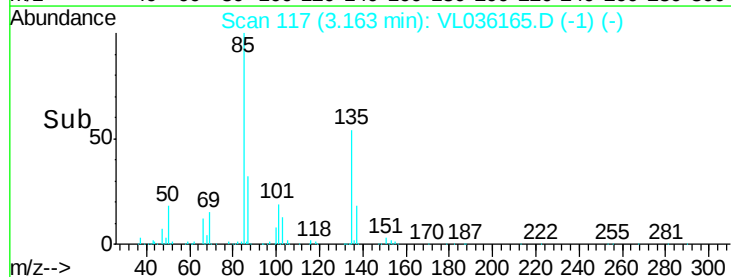
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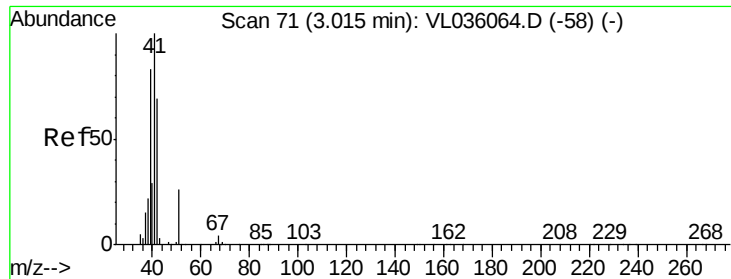
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3.10 3.15 3.20 3.25

Time-->





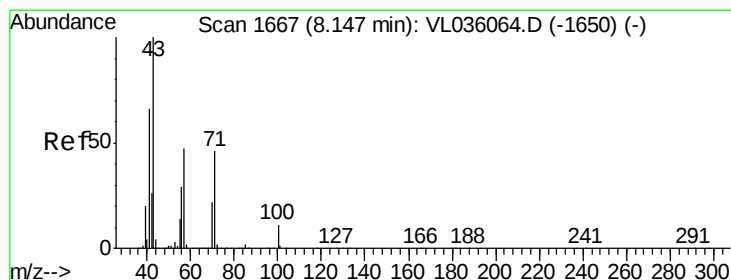
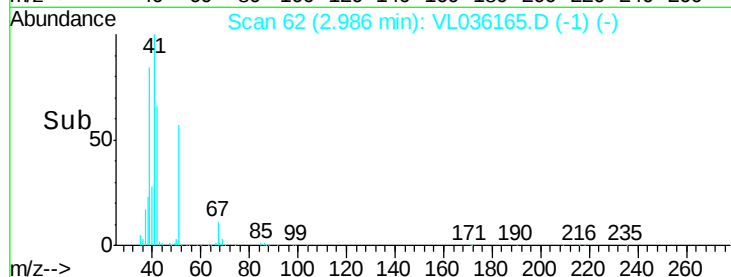
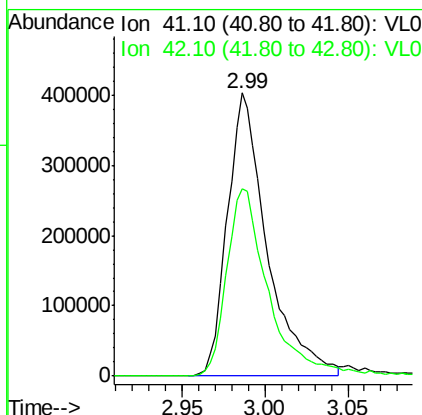
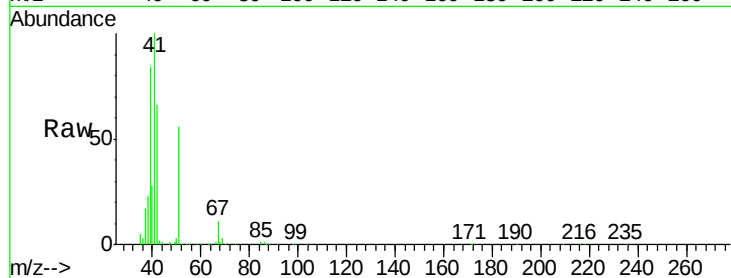
#9
 Propene
 Concen: 9.682 ppbv
 RT: 2.99 min Scan# 62
 Delta R.T. -0.03 min
 Lab File: VL036165.D
 Acq: 16 Dec 2020 13:19

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1216ABS01

Tgt Ion: 41 Resp: 668409
 Ion Ratio Lower Upper
 41 100
 42 70.8 57.0 85.6

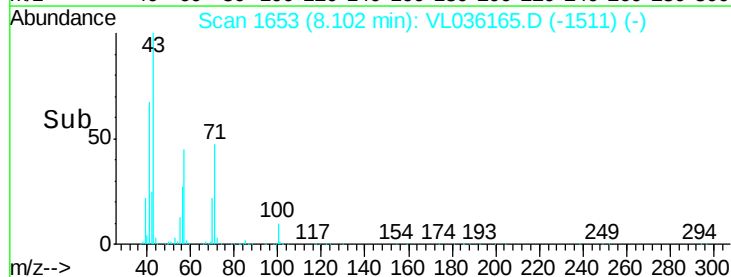
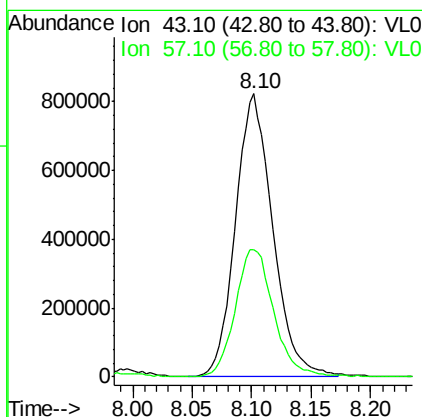
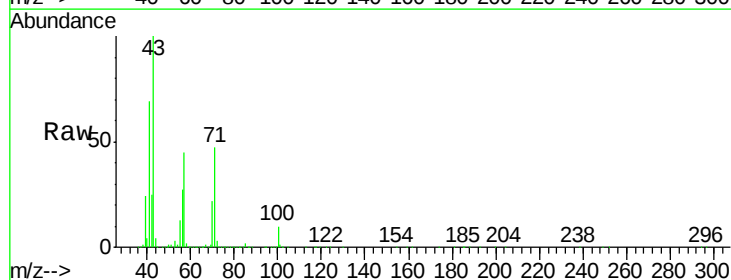
Manual Integrations
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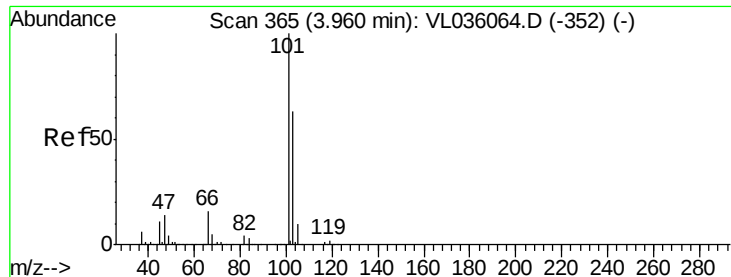
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#10
 Heptane
 Concen: 10.062 ppbv
 RT: 8.10 min Scan# 1653
 Delta R.T. -0.04 min
 Lab File: VL036165.D
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Tgt Ion: 43 Resp: 1774065
 Ion Ratio Lower Upper
 43 100
 57 47.1 37.9 56.9





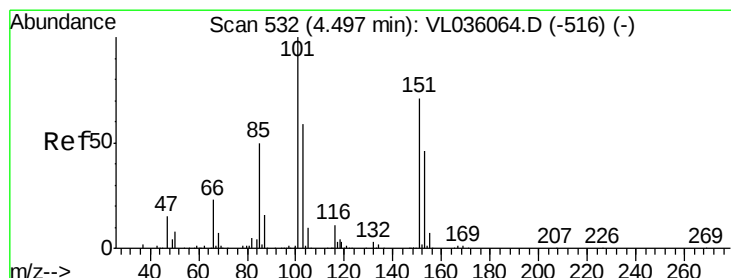
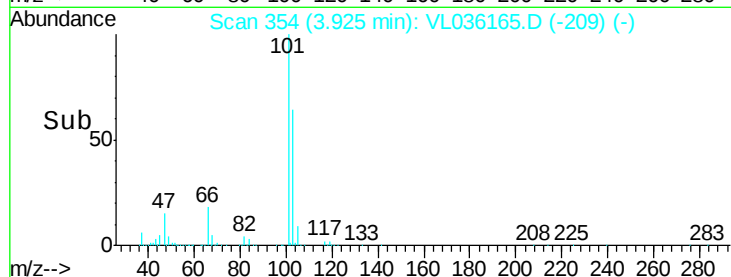
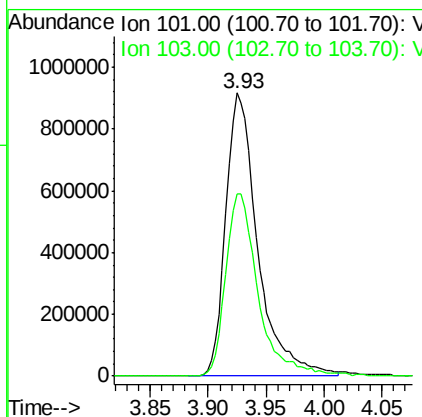
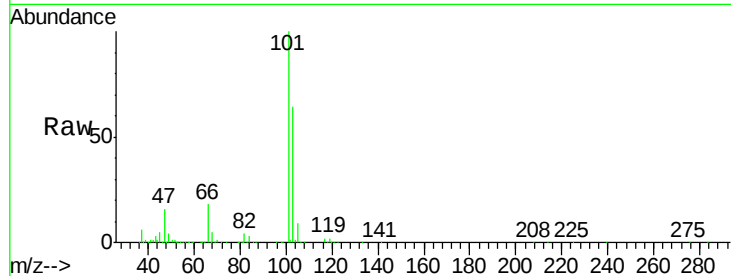
#11
 Trichlorofluoromethane
 Concen: 10.599 ppbv
 RT: 3.93 min Scan# 354
 Delta R.T. -0.04 min
 Lab File: VL036165.D
 Acq: 16 Dec 2020 13:19

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1216ABS01

Tgt Ion:101 Resp: 1754009
 Ion Ratio Lower Upper
 101 100
 103 64.2 50.3 75.5

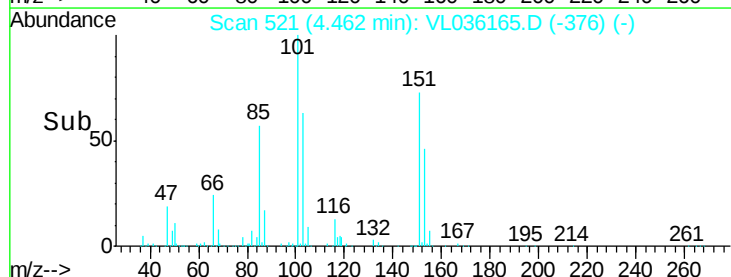
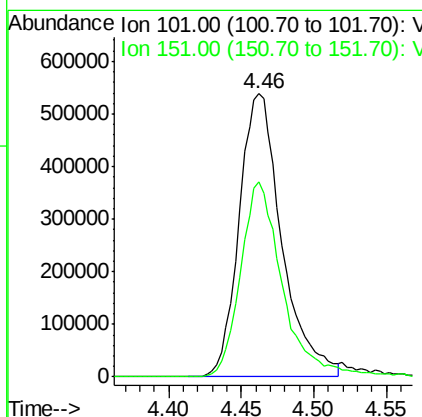
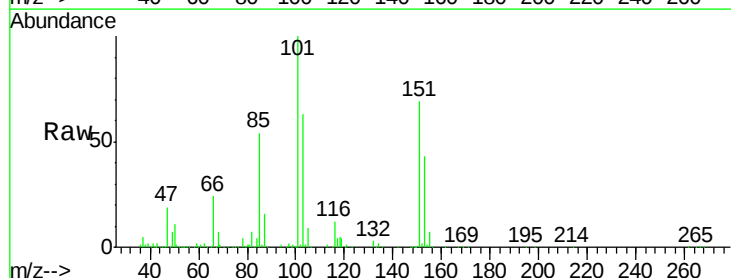
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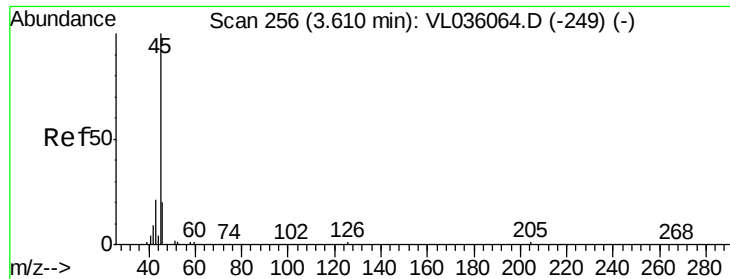
MMDadoda
 12/17/2020 3:55:49 PM



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.807 ppbv
 RT: 4.46 min Scan# 521
 Delta R.T. -0.04 min
 Lab File: VL036165.D
 Acq: 16 Dec 2020 13:19

Tgt Ion:101 Resp: 1102210
 Ion Ratio Lower Upper
 101 100
 151 68.4 59.3 88.9





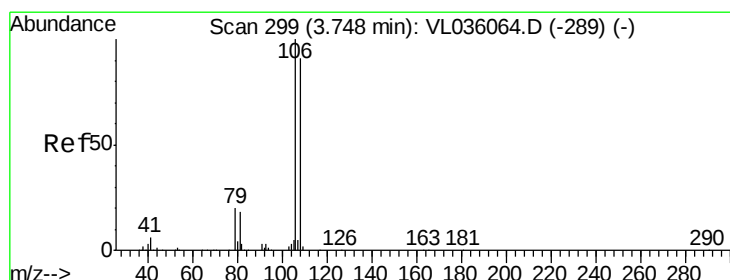
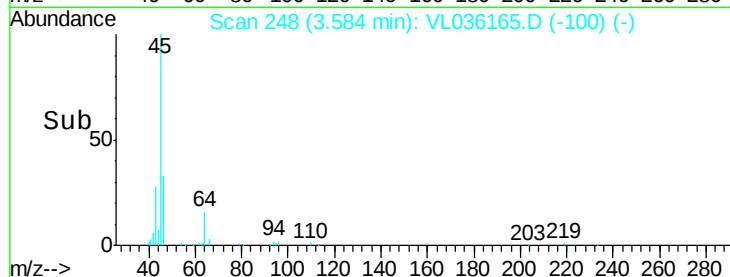
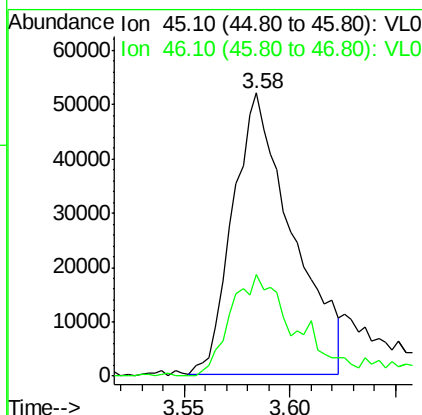
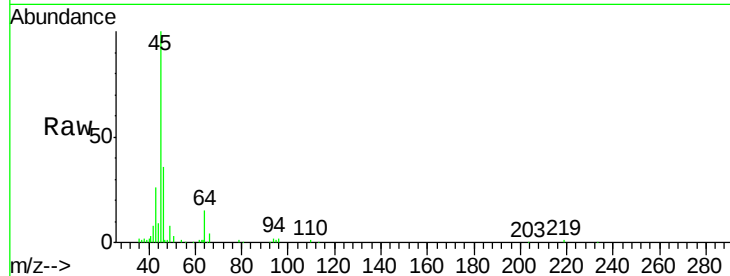
#13
Ethanol
Concen: 10.655 ppbv
RT: 3.58 min Scan# 248
Delta R.T. -0.03 min
Lab File: VL036165.D
Acq: 16 Dec 2020 13:19

Instrument :
MSVOA_L
ClientSampleId :
VL1216ABS01

Tgt Ion: 45 Resp: 101398
Ion Ratio Lower Upper
45 100
46 40.6 19.0 75.8

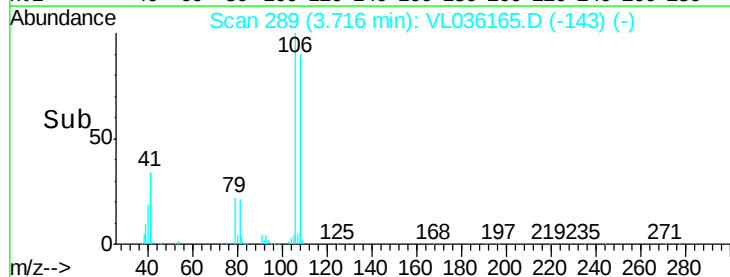
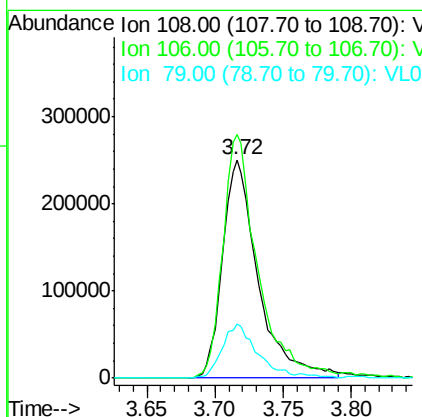
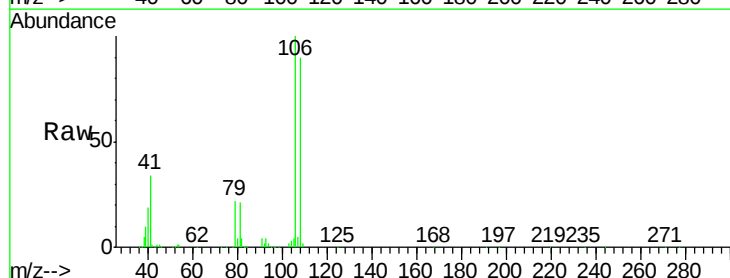
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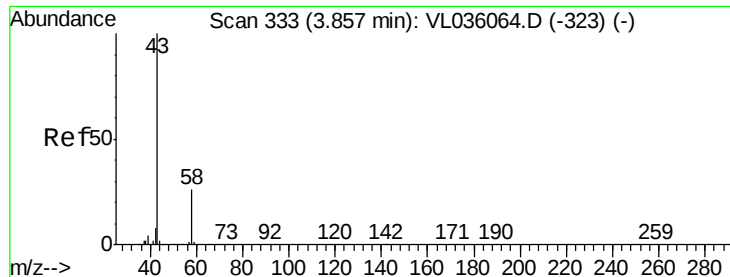
MMDadoda
12/17/2020 3:55:49 PM



#14
Bromoethene
Concen: 9.888 ppbv
RT: 3.72 min Scan# 289
Delta R.T. -0.03 min
Lab File: VL036165.D
Acq: 16 Dec 2020 13:19

Tgt Ion: 108 Resp: 455913
Ion Ratio Lower Upper
108 100
106 111.8 91.0 136.4
79 25.7 19.3 28.9





#15

Acetone

Concen: 10.812 ppbv

RT: 3.83 min Scan# 323

Delta R.T. -0.03 min

Lab File: VL036165.D

Acq: 16 Dec 2020 13:19

Instrument :

MSVOA_L

ClientSampleId :

VL1216ABS01

Tgt Ion: 43 Resp: 1569491

Ion Ratio Lower Upper

43 100

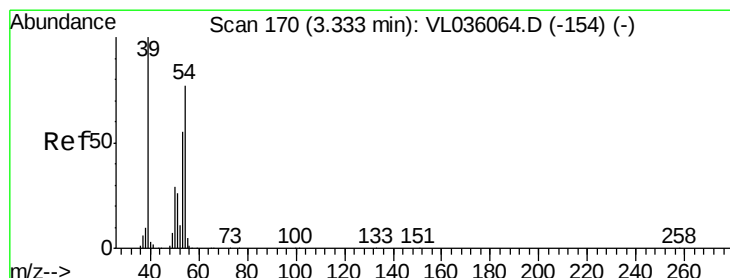
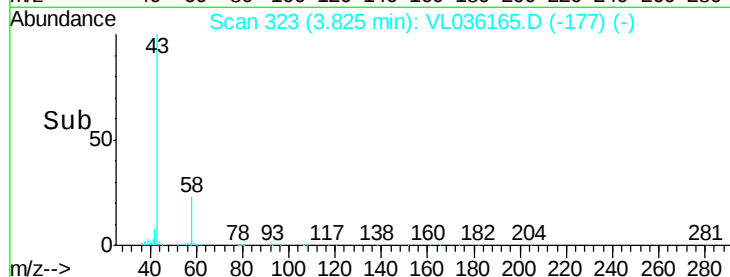
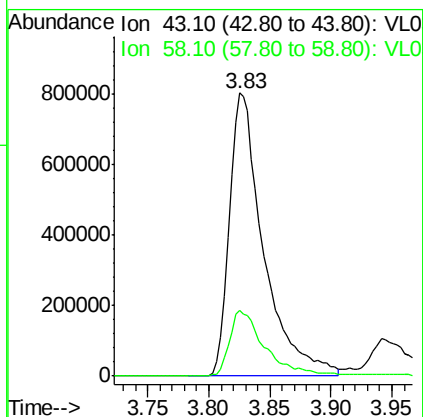
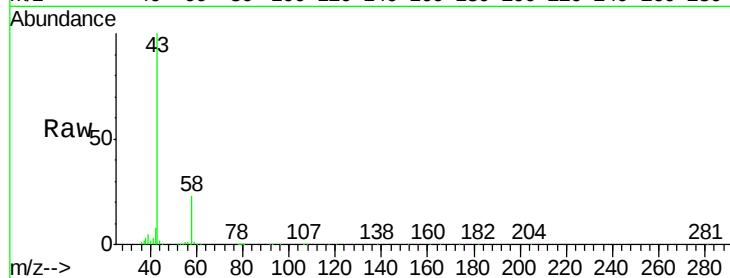
58 24.4 20.9 31.3

Manual Integrations

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#16

1,3-Butadiene

Concen: 10.074 ppbv

RT: 3.30 min Scan# 161

Delta R.T. -0.03 min

Lab File: VL036165.D

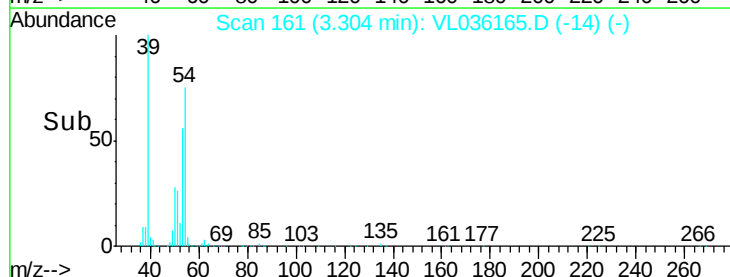
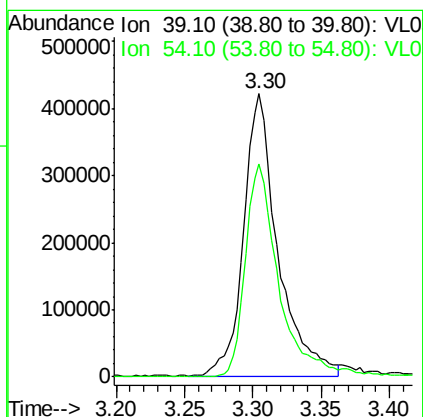
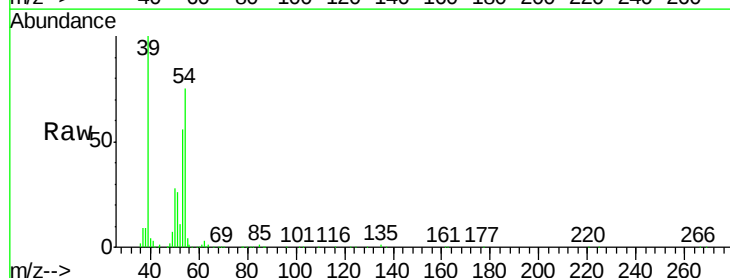
Acq: 16 Dec 2020 13:19

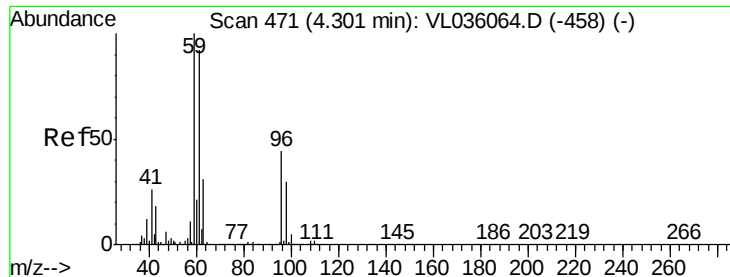
Tgt Ion: 39 Resp: 736540

Ion Ratio Lower Upper

39 100

54 74.7 62.1 93.1





#17

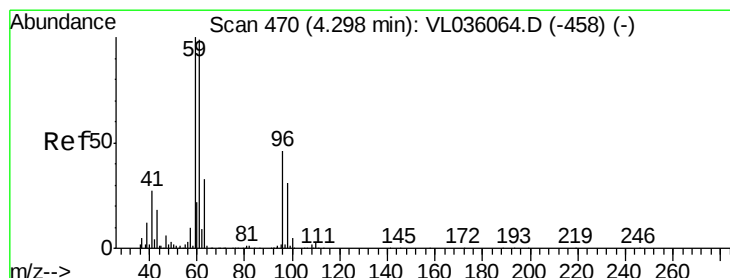
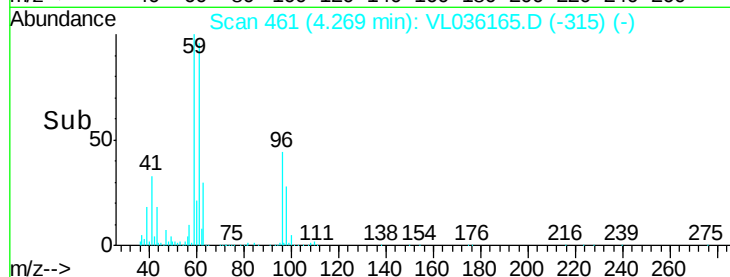
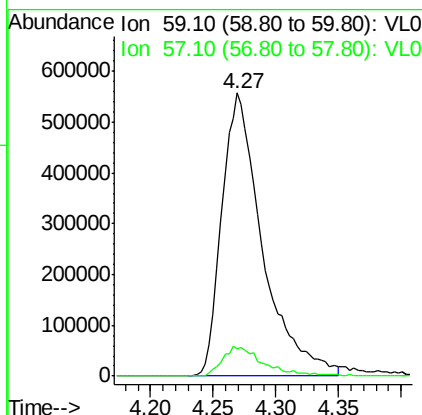
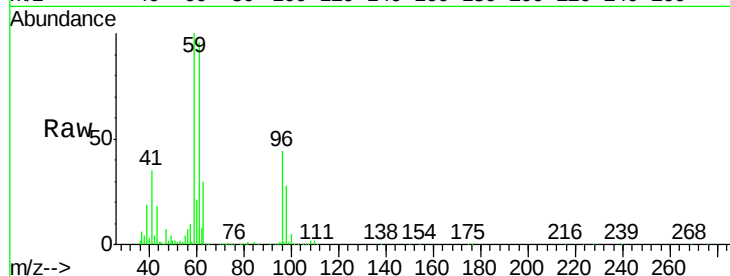
tert-Butyl alcohol
Concen: 8.930 ppbv
RT: 4.27 min Scan# 461
Delta R.T. -0.03 min
Lab File: VL036165.D
Acq: 16 Dec 2020 13:19

Instrument :
MSVOA_L
ClientSampleId :
VL1216ABS01

Tgt Ion: 59 Resp: 1255647
Ion Ratio Lower Upper
59 100
57 11.0 8.7 13.1

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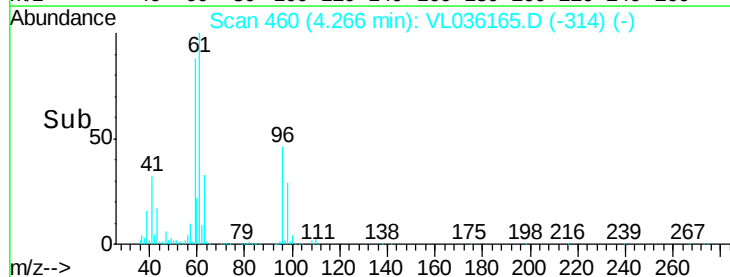
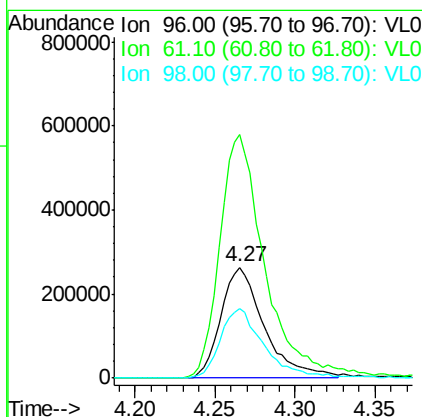
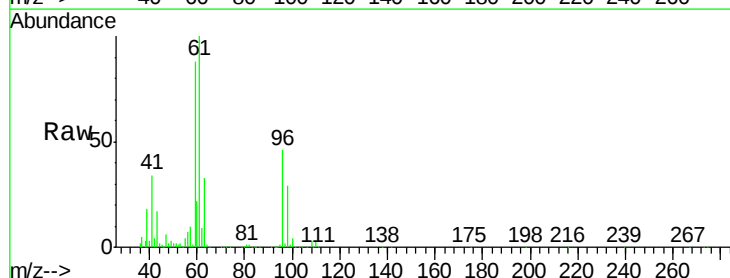
MMDadoda
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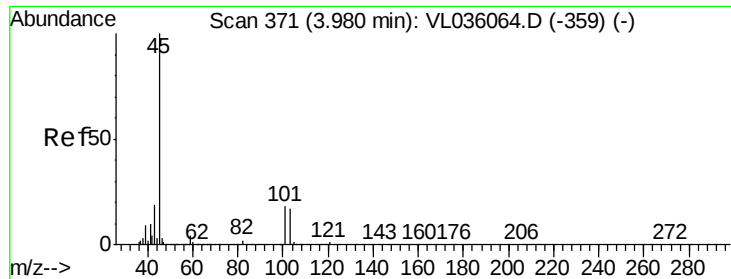


#18

1,1-Dichloroethene
Concen: 9.677 ppbv
RT: 4.27 min Scan# 460
Delta R.T. -0.03 min
Lab File: VL036165.D
Acq: 16 Dec 2020 13:19

Tgt Ion: 96 Resp: 482881
Ion Ratio Lower Upper
96 100
61 218.7 171.4 257.2
98 62.8 54.2 81.2





#19

Isopropyl Alcohol

Concen: 9.425 ppbv

RT: 3.94 min Scan# 360

Delta R.T. -0.04 min

Lab File: VL036165.D

Acq: 16 Dec 2020 13:19

Instrument :

MSVOA_L

ClientSampleId :

VL1216ABS01

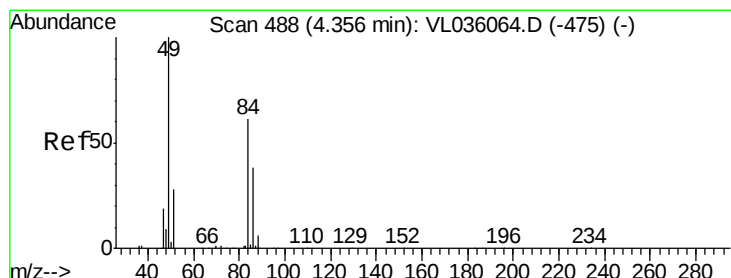
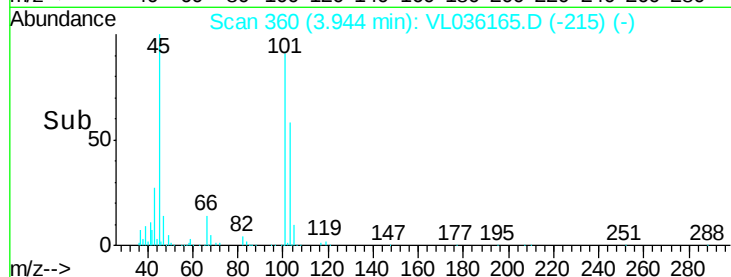
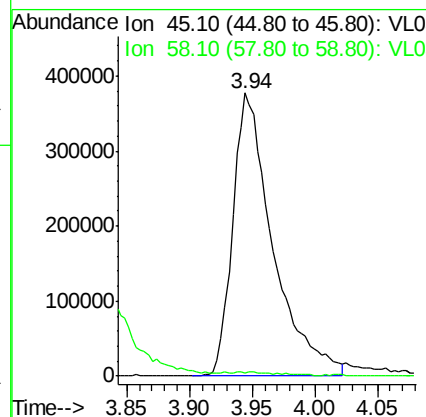
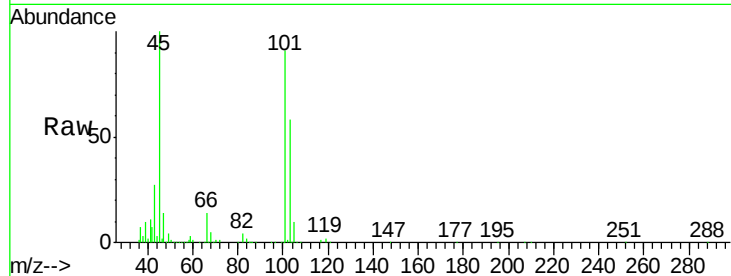
Tgt Ion: 45 Resp: 836187
Ion Ratio Lower Upper

45 100

58 2.6 0.0 0.0#

Manual Integrations
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#20

Methylene Chloride

Concen: 7.719 ppbv

RT: 4.32 min Scan# 478

Delta R.T. -0.03 min

Lab File: VL036165.D

Acq: 16 Dec 2020 13:19

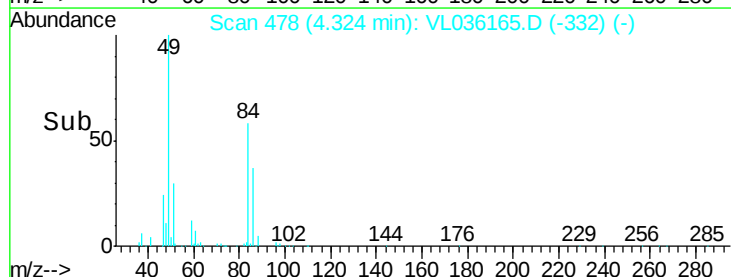
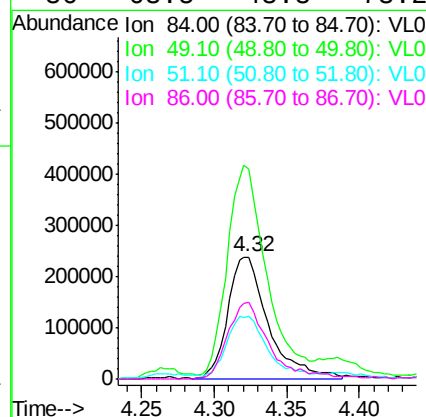
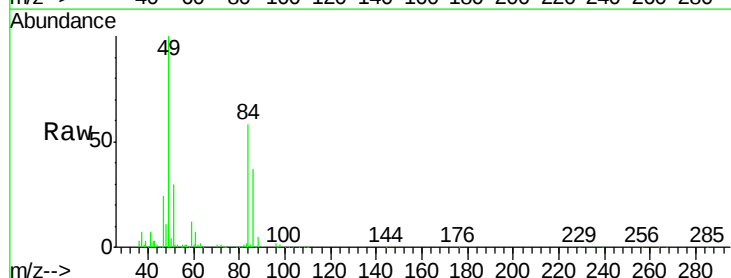
Tgt Ion: 84 Resp: 459178
Ion Ratio Lower Upper

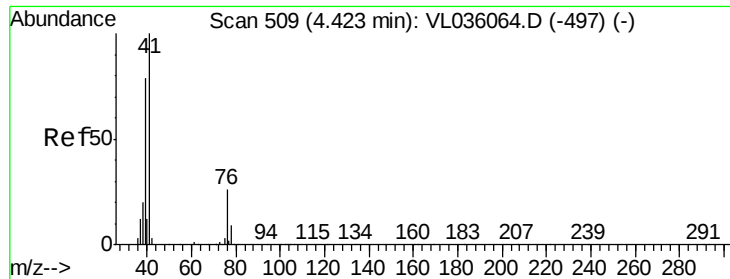
84 100

49 169.0 133.0 199.4

51 49.1 38.9 58.3

86 63.5 48.8 73.2





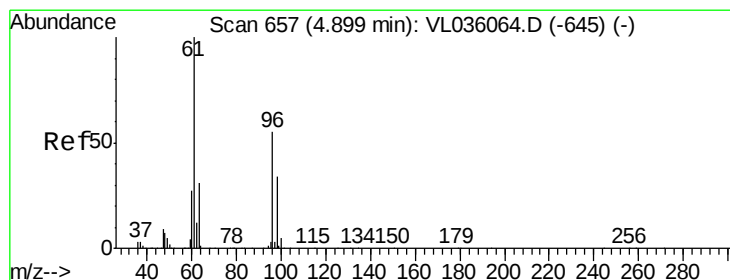
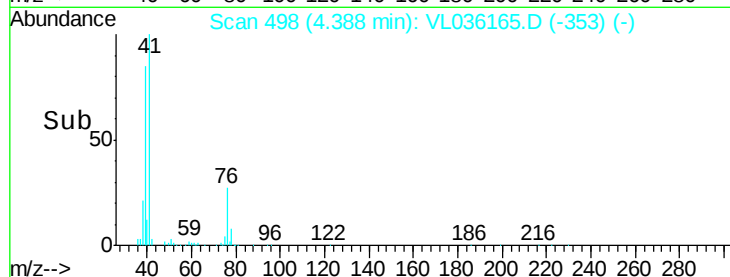
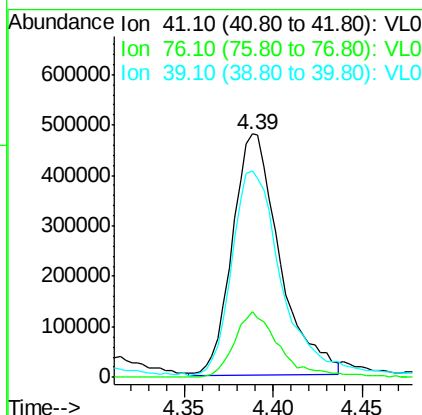
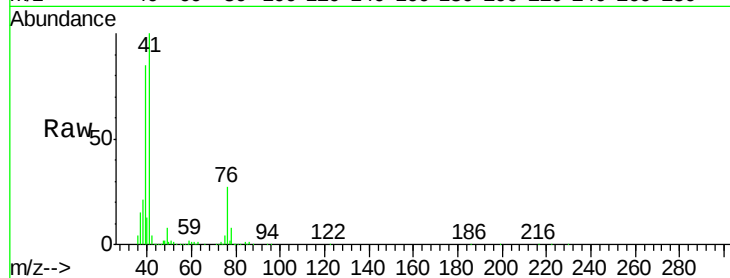
#21
 Allyl Chloride
 Concen: 9.100 ppbv
 RT: 4.39 min Scan# 498
 Delta R.T. -0.04 min
 Lab File: VL036165.D
 Acq: 16 Dec 2020 13:19

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1216ABS01

Tgt Ion	Ratio	Lower	Upper
41	100		
76	26.5	21.0	31.4
39	93.1	66.0	99.0

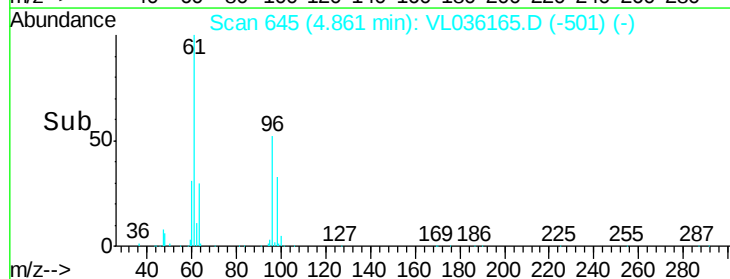
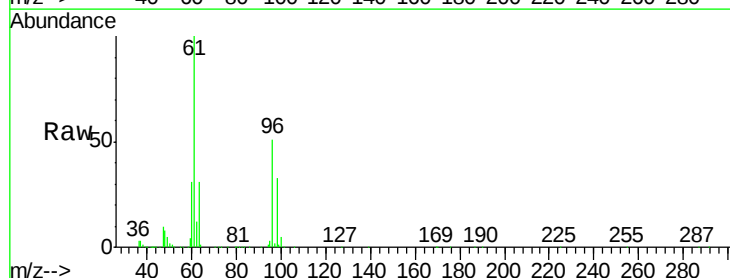
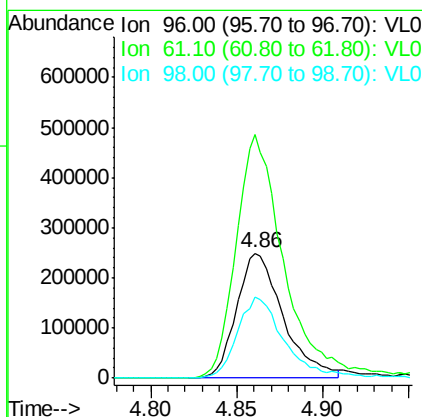
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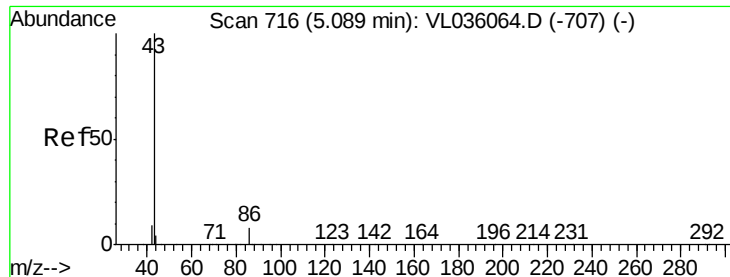
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#22
 trans-1,2-Dichloroethene
 Concen: 9.373 ppbv
 RT: 4.86 min Scan# 645
 Delta R.T. -0.04 min
 Lab File: VL036165.D
 Acq: 16 Dec 2020 13:19

Tgt Ion	Ratio	Lower	Upper
96	100		
61	194.4	145.7	218.5
98	64.6	49.2	73.8





#23

Vinyl Acetate

Concen: 9.798 ppbv

RT: 5.05 min Scan# 704

Delta R.T. -0.04 min

Lab File: VL036165.D

Acq: 16 Dec 2020 13:19

Instrument :

MSVOA_L

ClientSampleId :

VL1216ABS01

Tgt Ion: 43 Resp: 1893633

Ion Ratio Lower Upper

43 100

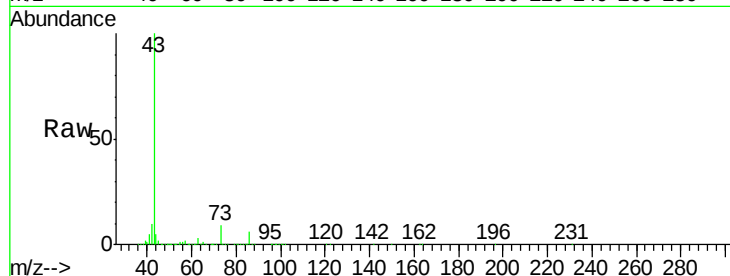
86 6.5 5.0 7.4

42 10.1 7.8 11.6

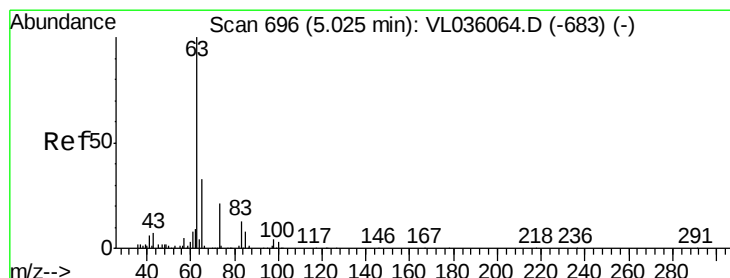
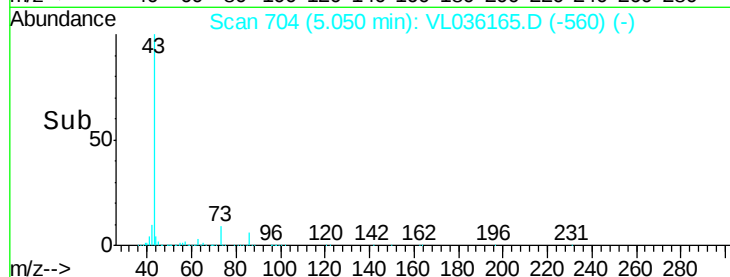
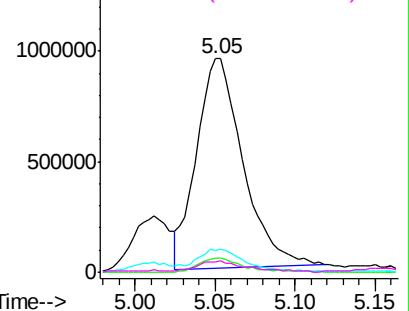
44 4.6 3.2 4.8

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Abundance Ion 43.10 (42.80 to 43.80): VL0
1500000 Ion 86.10 (85.80 to 86.80): VL0
Ion 42.10 (41.80 to 42.80): VL0
Ion 44.10 (43.80 to 44.80): VL0



#24

1,1-Dichloroethane

Concen: 9.598 ppbv

RT: 4.99 min Scan# 684

Delta R.T. -0.04 min

Lab File: VL036165.D

Acq: 16 Dec 2020 13:19

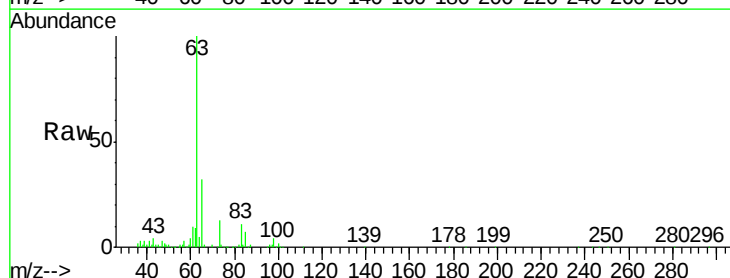
Tgt Ion: 63 Resp: 1304674

Ion Ratio Lower Upper

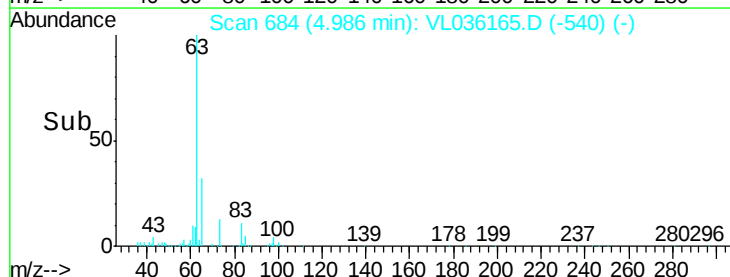
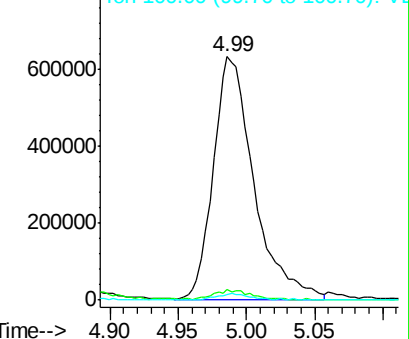
63 100

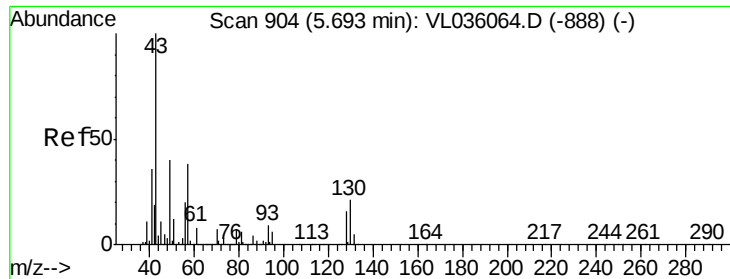
98 4.1 2.2 6.6

100 2.1 1.5 4.4



Abundance Ion 63.10 (62.80 to 63.80): VL0
800000 Ion 98.00 (97.70 to 98.70): VL0
Ion 100.00 (99.70 to 100.70): VL0





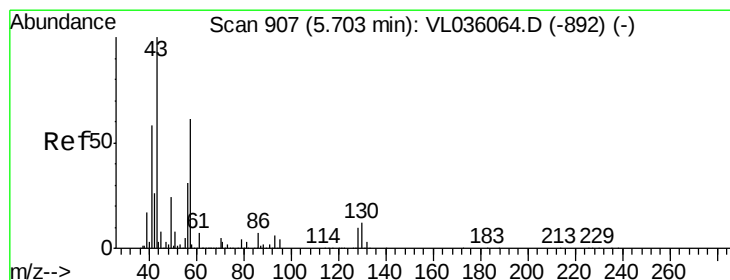
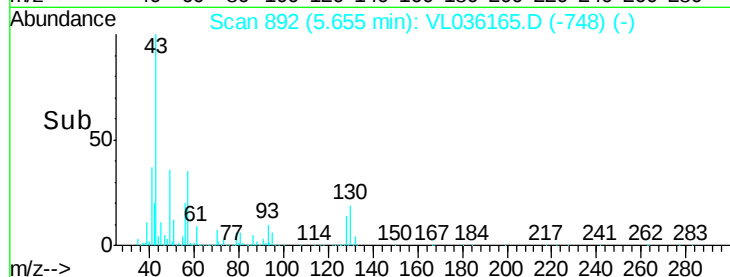
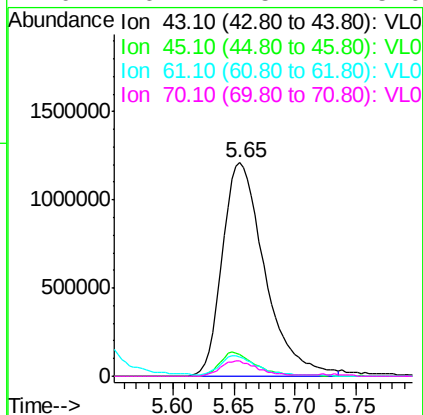
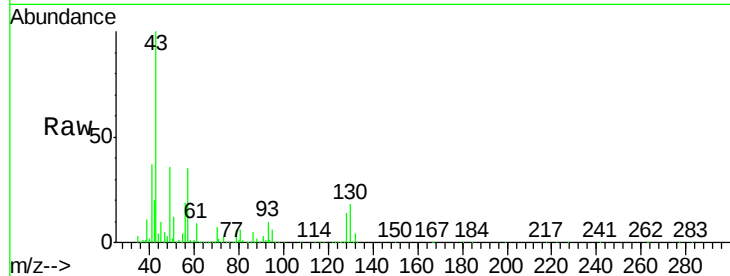
#25
Ethyl Acetate
Concen: 10.133 ppbv
RT: 5.65 min Scan# 892
Delta R.T. -0.04 min
Lab File: VL036165.D
Acq: 16 Dec 2020 13:19

Instrument :
MSVOA_L
ClientSampleId :
VL1216ABS01

Tgt Ion	Ratio	Lower	Upper
43	100		
45	9.9	8.2	12.4
61	8.7	7.4	11.2
70	6.4	5.4	8.0

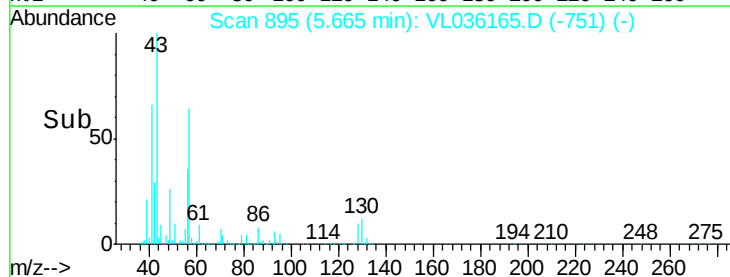
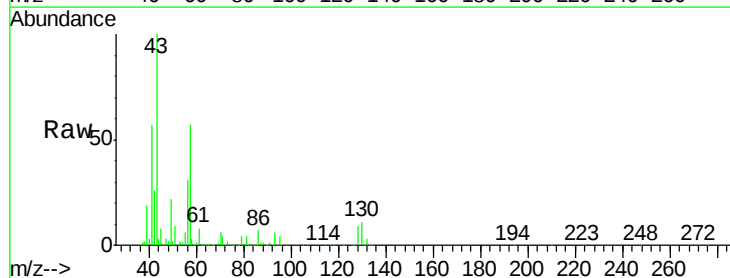
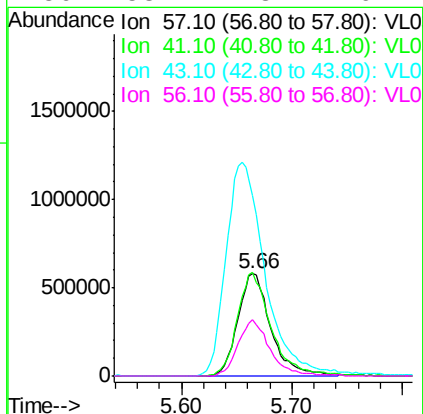
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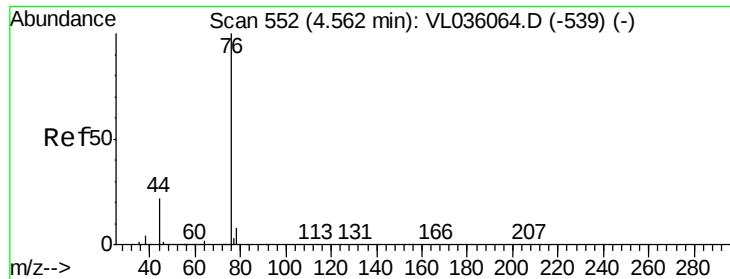
MMDadoda
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#26
Hexane
Concen: 9.201 ppbv
RT: 5.66 min Scan# 895
Delta R.T. -0.04 min
Lab File: VL036165.D
Acq: 16 Dec 2020 13:19

Tgt Ion	Ratio	Lower	Upper
57	100		
41	104.6	82.9	124.3
43	249.0	199.9	299.9
56	53.7	43.1	64.7





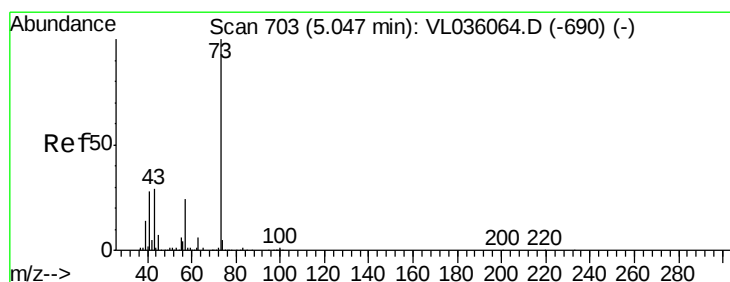
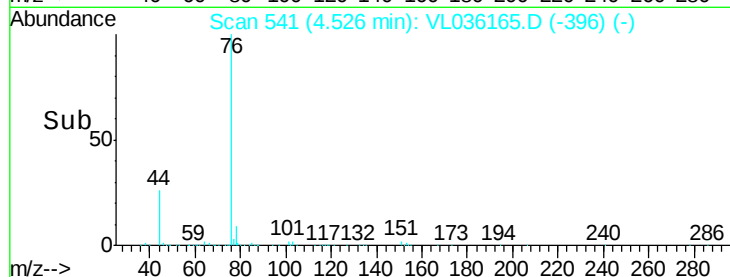
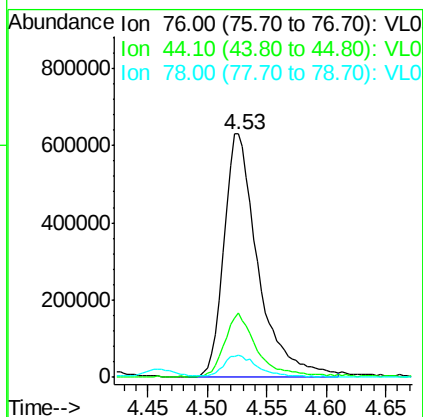
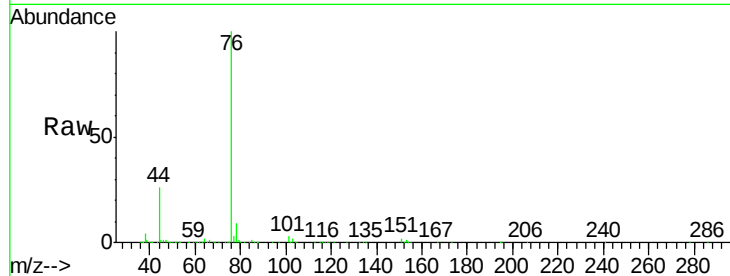
#27
Carbon Disulfide
Concen: 9.615 ppbv
RT: 4.53 min Scan# 541
Delta R.T. -0.04 min
Lab File: VL036165.D
Acq: 16 Dec 2020 13:19

Instrument :
MSVOA_L
ClientSampleId :
VL1216ABS01

Tgt Ion: 76 Resp: 1247224
Ion Ratio Lower Upper
76 100
44 25.1 17.9 26.9
78 9.6 7.8 11.8

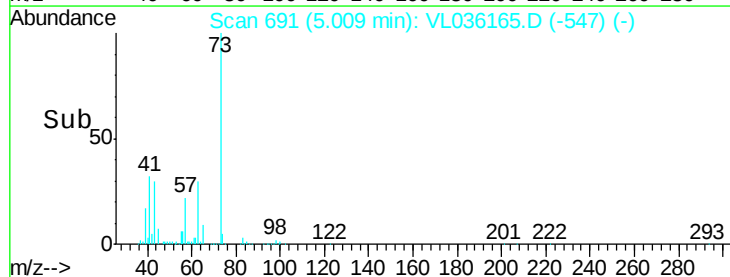
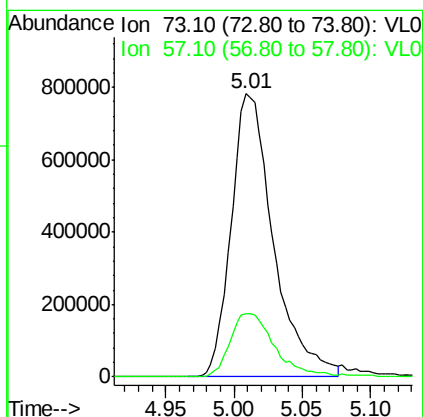
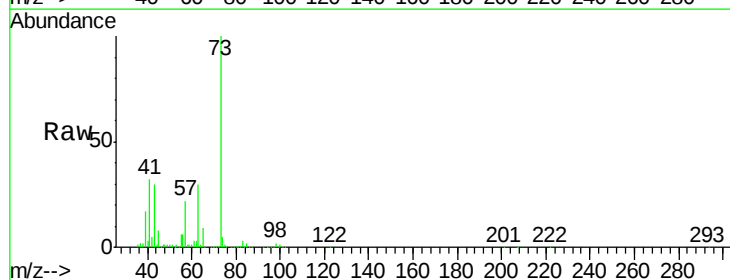
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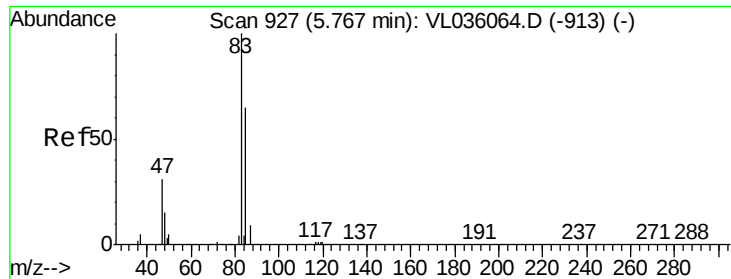
MMDadoda
12/17/2020 3:55:49 PM



#28
Methyl tert-Butyl Ether
Concen: 9.077 ppbv
RT: 5.01 min Scan# 691
Delta R.T. -0.04 min
Lab File: VL036165.D
Acq: 16 Dec 2020 13:19

Tgt Ion: 73 Resp: 1684319
Ion Ratio Lower Upper
73 100
57 24.1 19.2 28.8





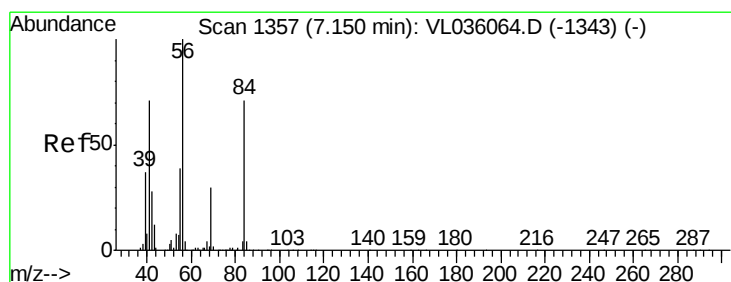
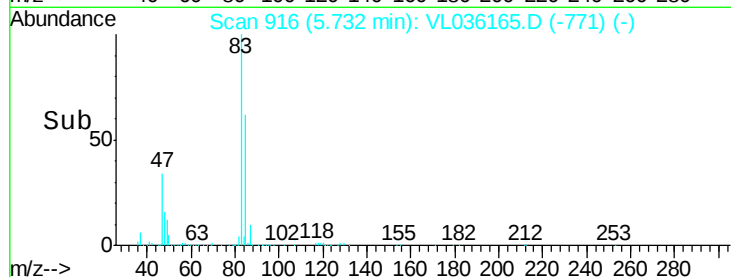
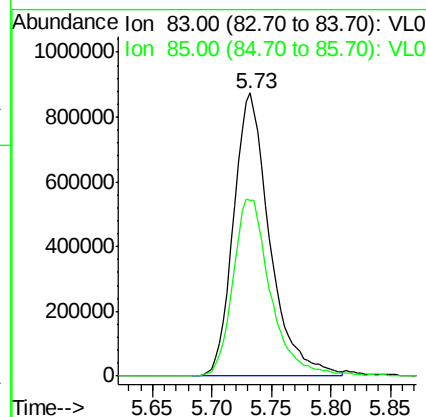
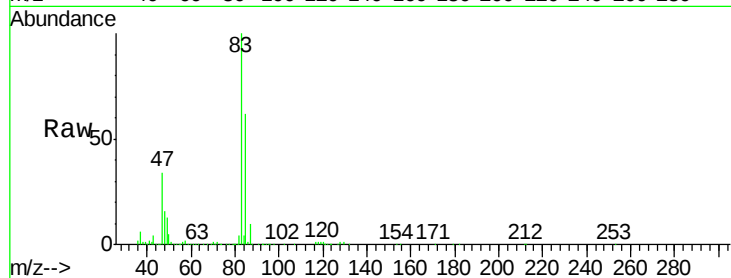
#29
Chloroform
Concen: 10.751 ppbv
RT: 5.73 min Scan# 916
Delta R.T. -0.04 min
Lab File: VL036165.D
Acq: 16 Dec 2020 13:19

Instrument :
MSVOA_L
ClientSampleId :
VL1216ABS01

Tgt Ion: 83 Resp: 1842721
Ion Ratio Lower Upper
83 100
85 62.2 51.8 77.6

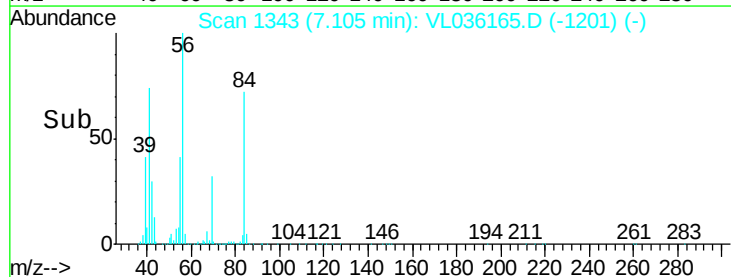
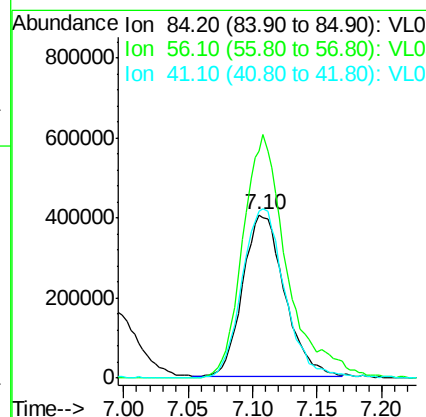
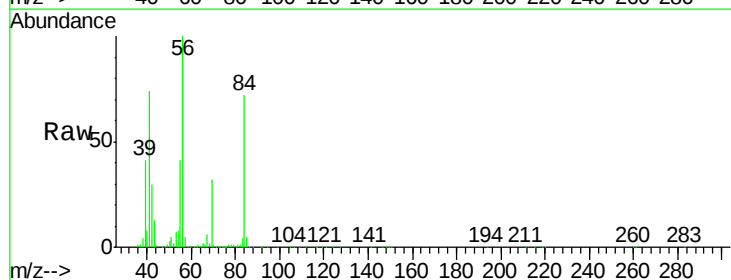
Manual Integrations
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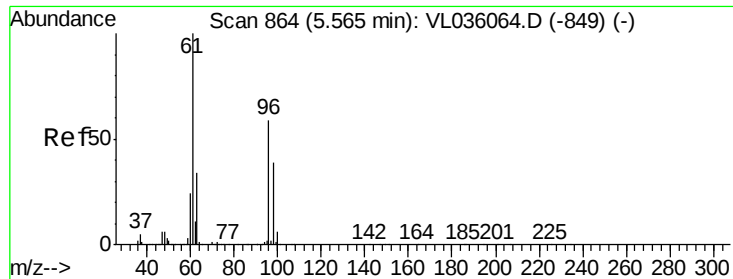
MMDadoda
12/17/2020 3:55:49 PM



#30
Cyclohexane
Concen: 9.542 ppbv
RT: 7.10 min Scan# 1343
Delta R.T. -0.04 min
Lab File: VL036165.D
Acq: 16 Dec 2020 13:19

Tgt Ion: 84 Resp: 914849
Ion Ratio Lower Upper
84 100
56 159.2 128.0 192.0
41 108.2 81.3 121.9





#31

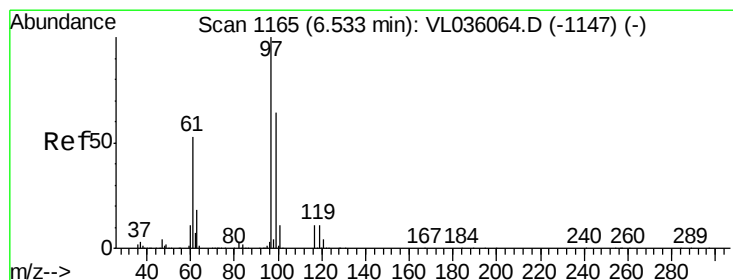
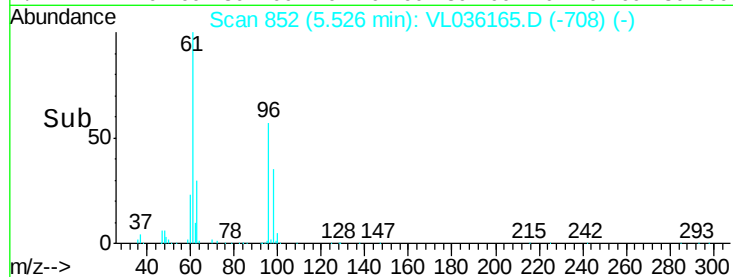
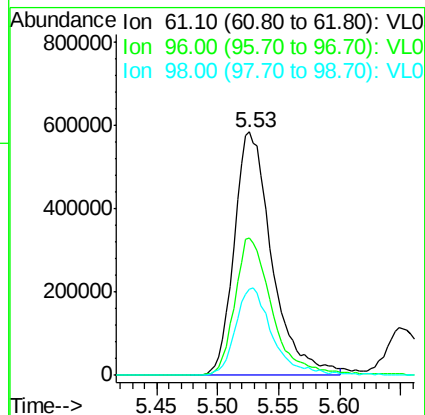
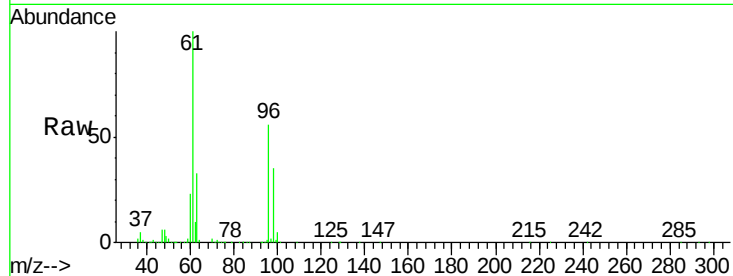
cis-1,2-Dichloroethene
Concen: 10.593 ppbv
RT: 5.53 min Scan# 852
Delta R.T. -0.04 min
Lab File: VL036165.D
Acq: 16 Dec 2020 13:19

Instrument :
MSVOA_L
ClientSampleId :
VL1216ABS01

Tgt Ion	Ratio	Lower	Upper
61	100		
96	56.3	47.3	70.9
98	35.3	31.4	47.0

Manual Integrations
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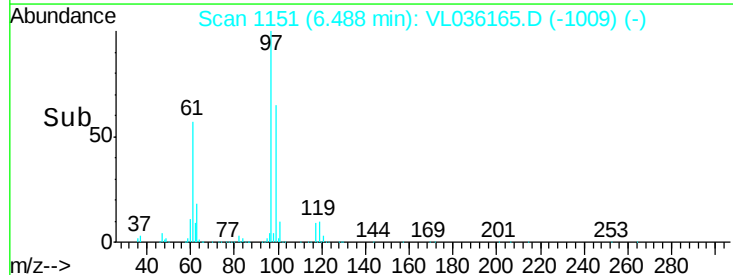
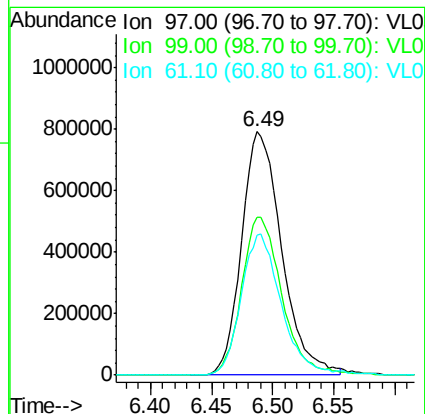
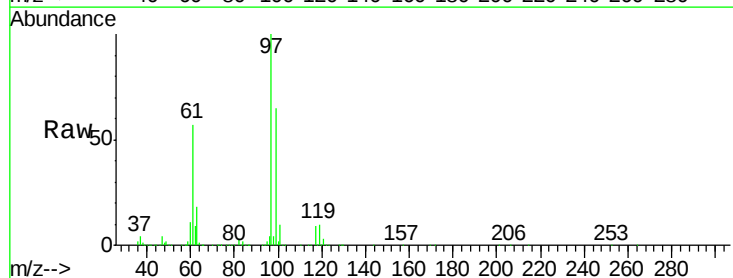
MMDadoda
12/17/2020 3:55:49 PM

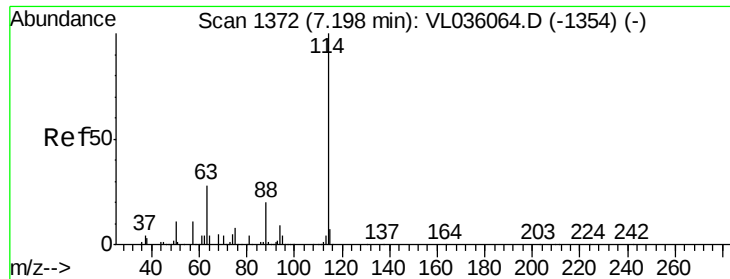


#32

1,1,1-Trichloroethane
Concen: 10.189 ppbv
RT: 6.49 min Scan# 1151
Delta R.T. -0.04 min
Lab File: VL036165.D
Acq: 16 Dec 2020 13:19

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.2	52.4	78.6
61	58.0	43.4	65.0





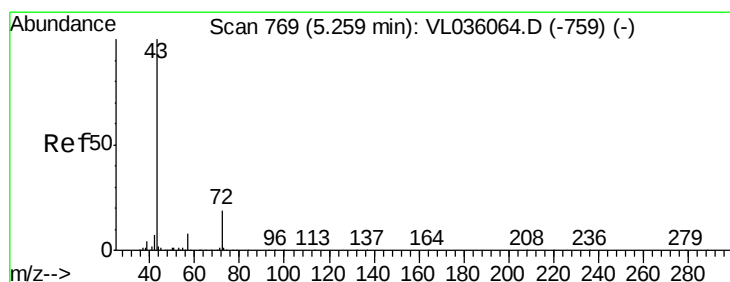
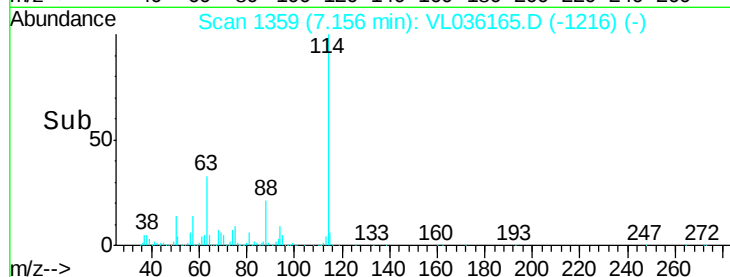
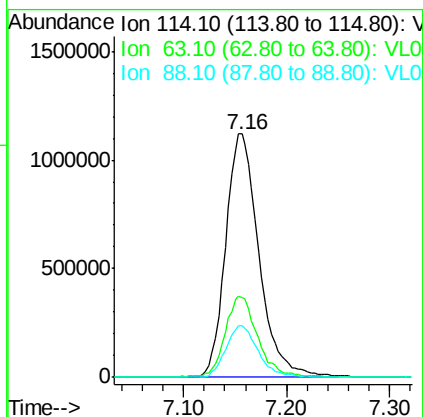
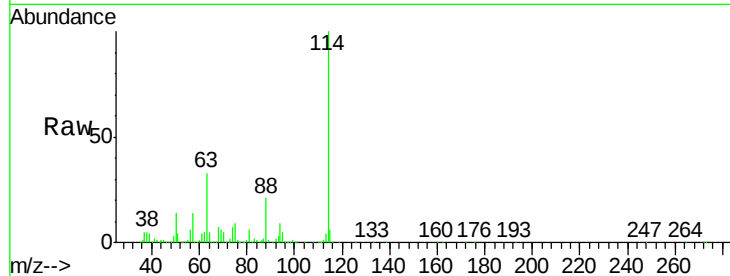
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.16 min Scan# 1359
 Delta R.T. -0.04 min
 Lab File: VL036165.D
 Acq: 16 Dec 2020 13:19

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1216ABS01

Tgt Ion	Ratio	Lower	Upper
114	100		
63	33.3	23.6	35.4
88	21.0	15.8	23.6

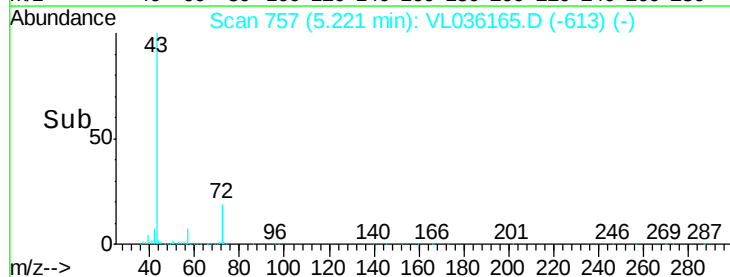
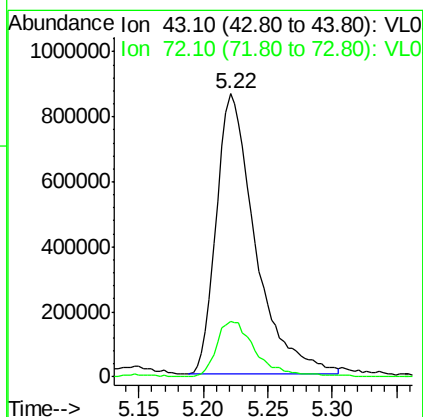
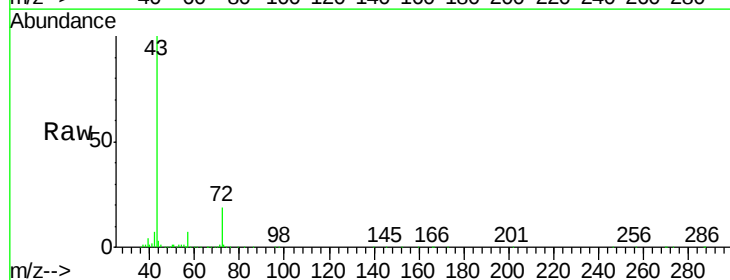
Manual Integrations
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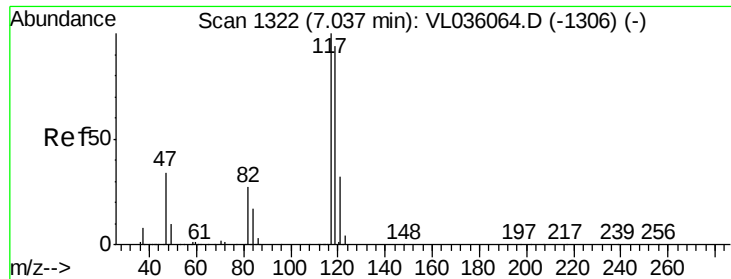
MMDadoda
 12/17/2020 3:55:49 PM



#34
 2-Butanone
 Concen: 10.824 ppbv
 RT: 5.22 min Scan# 757
 Delta R.T. -0.04 min
 Lab File: VL036165.D
 Acq: 16 Dec 2020 13:19

Tgt Ion	Ratio	Lower	Upper
43	100		
72	20.7	16.5	24.7





#35

Carbon Tetrachloride

Concen: 11.856 ppbv

RT: 7.00 min Scan# 1309

Delta R.T. -0.04 min

Lab File: VL036165.D

Acq: 16 Dec 2020 13:19

Instrument :

MSVOA_L

ClientSampleId :

VL1216ABS01

Tgt Ion: 117 Resp: 1742733

Ion Ratio Lower Upper

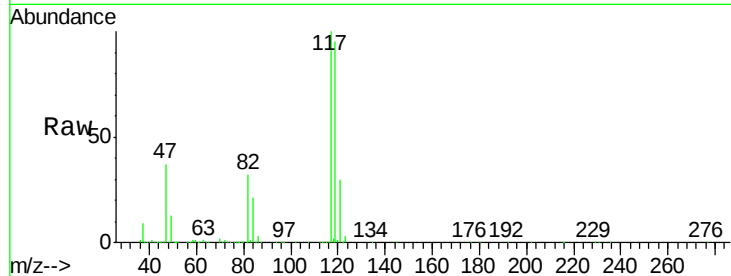
117 100

119 95.4 75.1 112.7

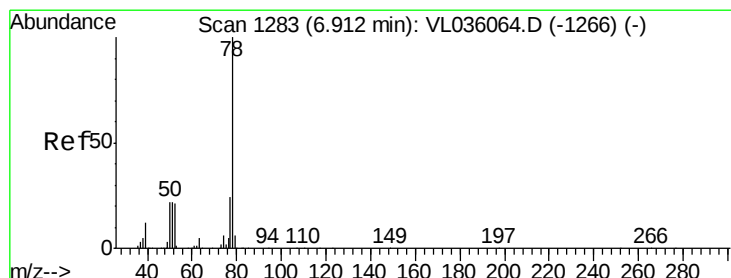
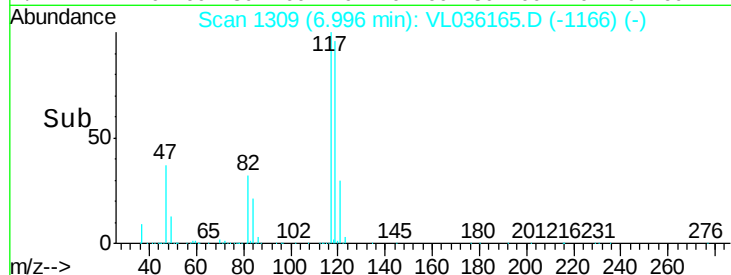
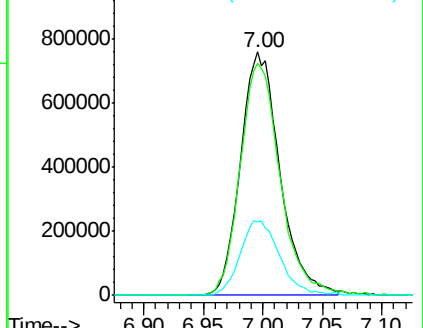
121 30.1 25.6 38.4

Manual Integrations
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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: 11.038 ppbv

RT: 6.87 min Scan# 1270

Delta R.T. -0.04 min

Lab File: VL036165.D

Acq: 16 Dec 2020 13:19

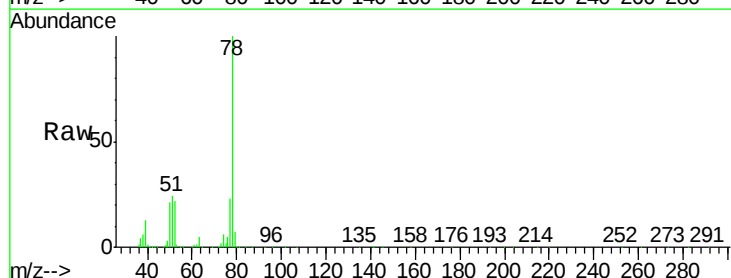
Tgt Ion: 78 Resp: 2357982

Ion Ratio Lower Upper

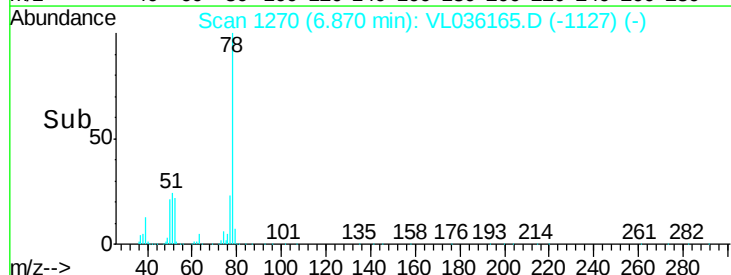
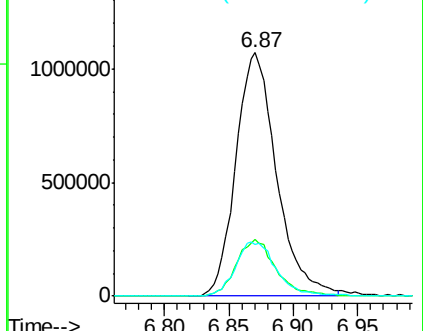
78 100

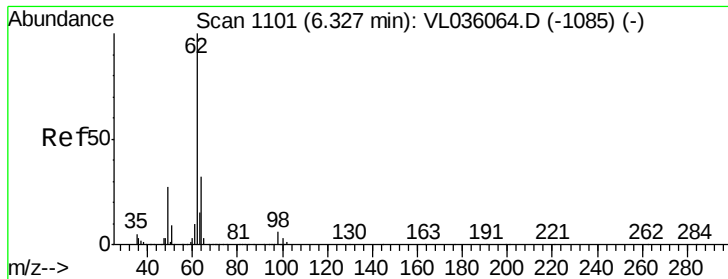
77 23.1 19.4 29.2

50 21.4 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





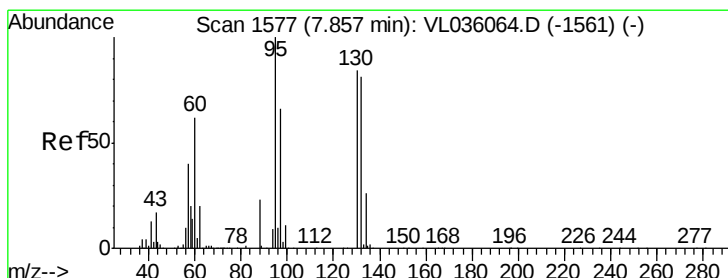
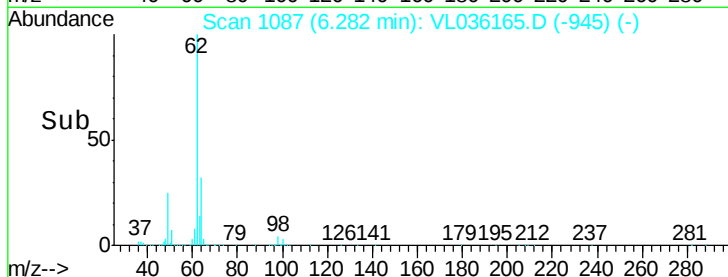
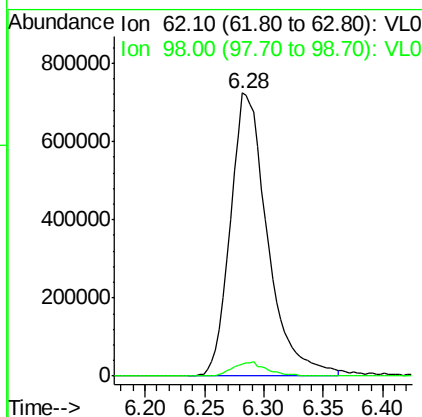
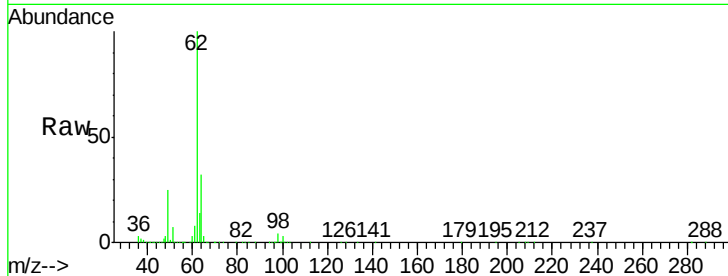
#37
 1,2-Dichloroethane
 Concen: 12.669 ppbv
 RT: 6.28 min Scan# 1087
 Delta R.T. -0.04 min
 Lab File: VL036165.D
 Acq: 16 Dec 2020 13:19

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1216ABS01

Tgt Ion: 62 Resp: 1568201
 Ion Ratio Lower Upper
 62 100
 98 4.8 4.6 7.0

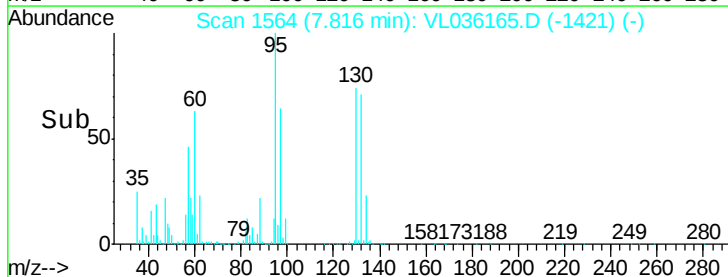
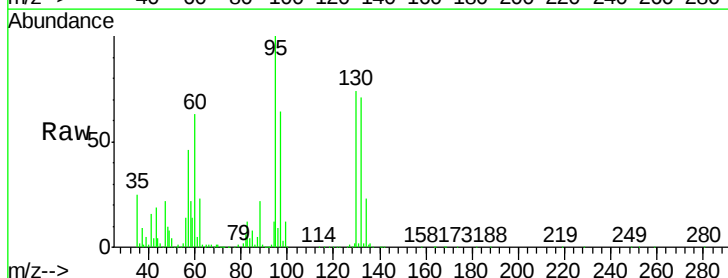
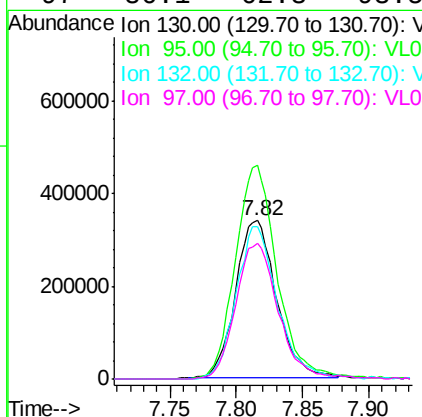
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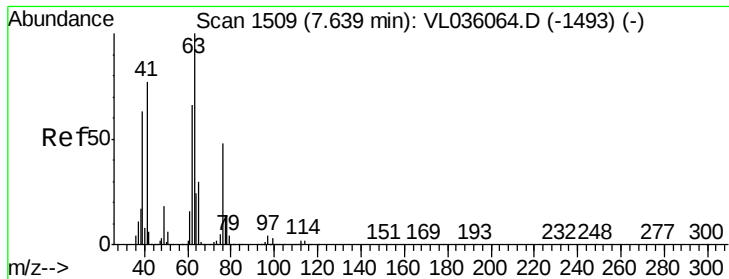
MMDadoda
 12/17/2020 3:55:49 PM



#38
 Trichloroethene
 Concen: 9.199 ppbv
 RT: 7.82 min Scan# 1564
 Delta R.T. -0.04 min
 Lab File: VL036165.D
 Acq: 16 Dec 2020 13:19

Tgt Ion: 130 Resp: 734549
 Ion Ratio Lower Upper
 130 100
 95 135.2 95.2 142.8
 132 96.1 76.9 115.3
 97 86.1 62.3 93.5





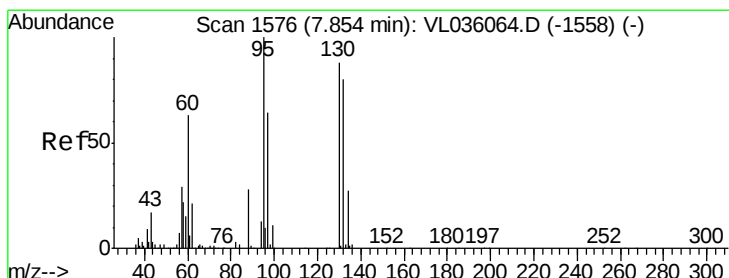
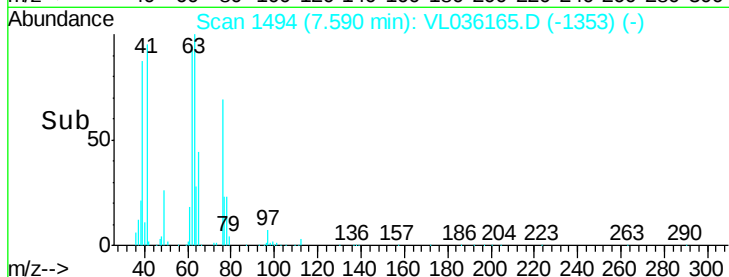
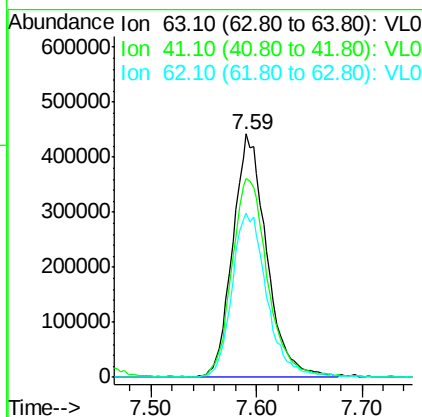
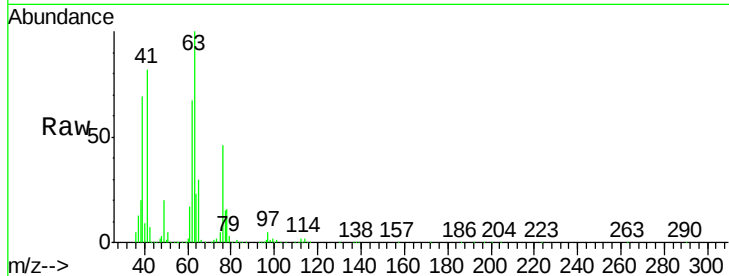
#39
 1,2-Dichloropropane
 Concen: 11.692 ppbv
 RT: 7.59 min Scan# 1494
 Delta R.T. -0.05 min
 Lab File: VL036165.D
 Acq: 16 Dec 2020 13:19

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1216ABS01

Tgt Ion	Ratio	Resp	Lower	Upper
63	100	986361		
41	81.3	61.9	92.9	
62	67.3	52.5	78.7	

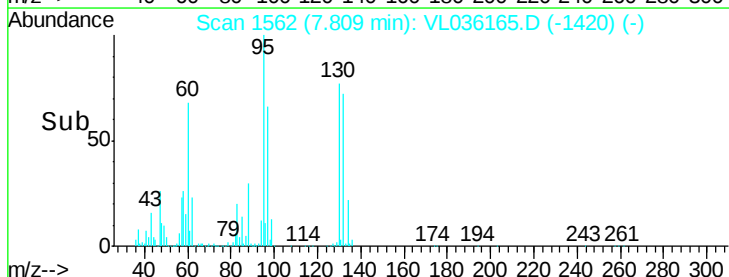
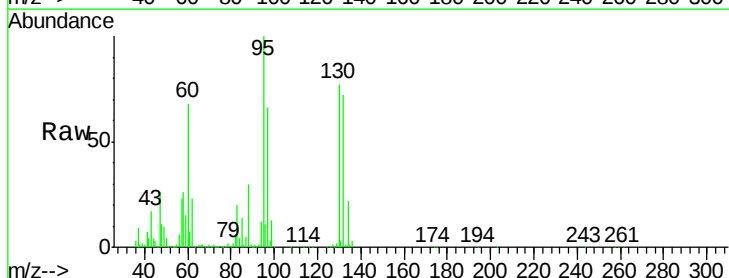
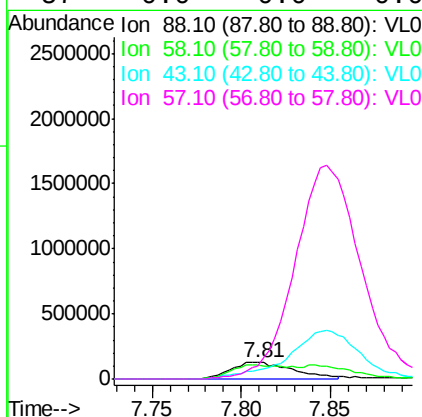
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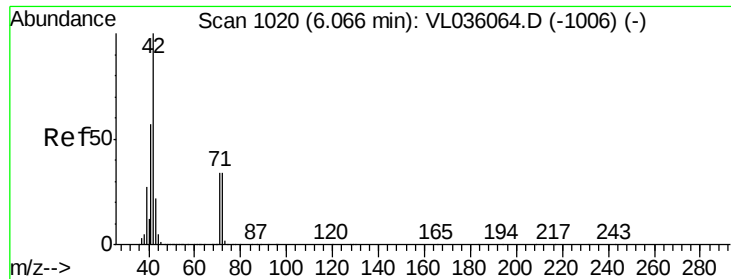
MMDadoda
 12/17/2020 3:55:49 PM



#40
 1,4-Dioxane
 Concen: 11.461 ppbv
 RT: 7.81 min Scan# 1562
 Delta R.T. -0.05 min
 Lab File: VL036165.D
 Acq: 16 Dec 2020 13:19

Tgt Ion	Ratio	Resp	Lower	Upper
88	100	304091		
58	0.0	122.6	184.0#	
43	0.0	0.0	0.0	
57	0.0	0.0	0.0	





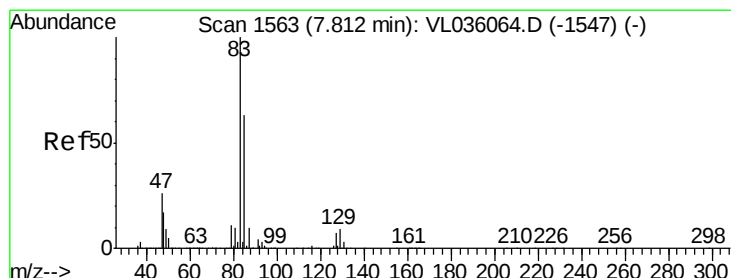
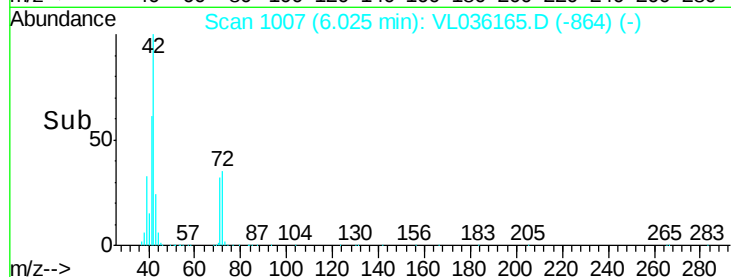
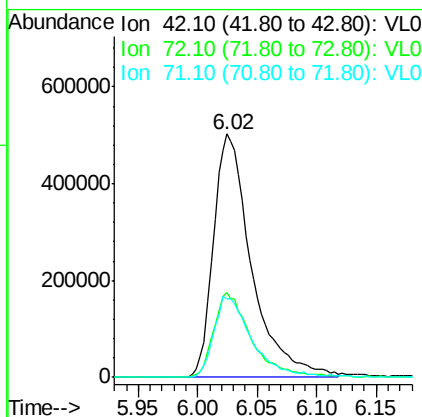
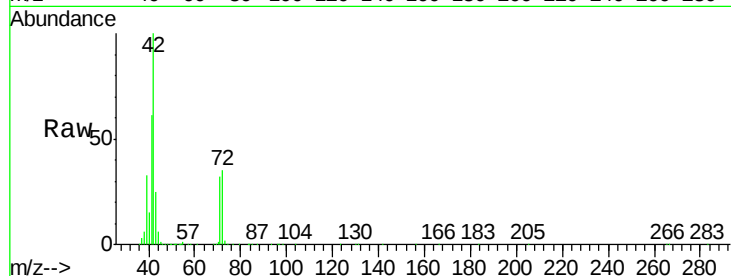
#41
Tetrahydrofuran
Concen: 11.157 ppbv
RT: 6.02 min Scan# 1007
Delta R.T. -0.04 min
Lab File: VL036165.D
Acq: 16 Dec 2020 13:19

Instrument :
MSVOA_L
ClientSampleId :
VL1216ABS01

Tgt Ion: 42 Resp: 1108204
Ion Ratio Lower Upper
42 100
72 35.1 28.3 42.5
71 33.9 27.3 40.9

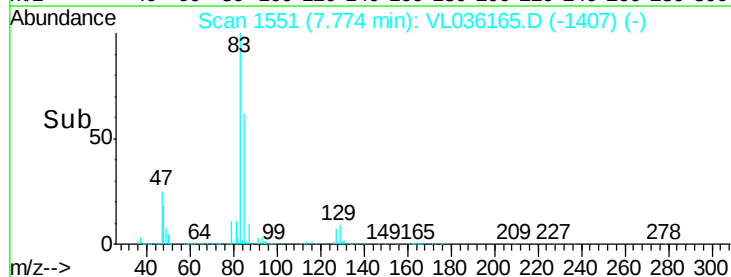
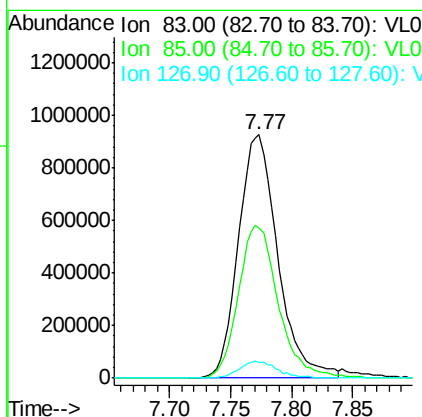
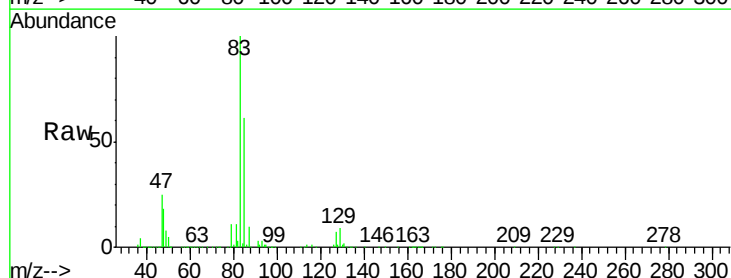
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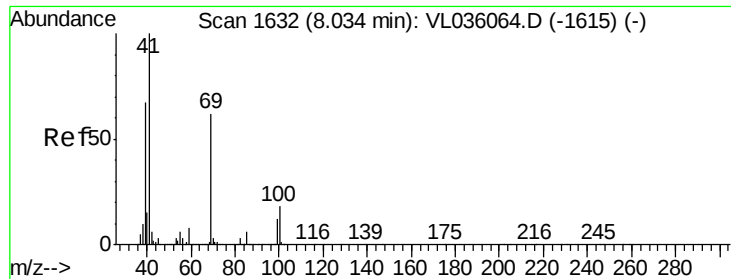
MMDadoda
12/17/2020 3:55:49 PM



#42
Bromodichloromethane
Concen: 12.535 ppbv
RT: 7.77 min Scan# 1551
Delta R.T. -0.04 min
Lab File: VL036165.D
Acq: 16 Dec 2020 13:19

Tgt Ion: 83 Resp: 2067603
Ion Ratio Lower Upper
83 100
85 61.5 50.2 75.2
127 6.6 5.5 8.3





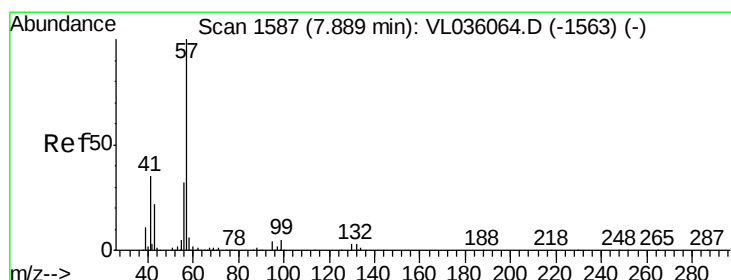
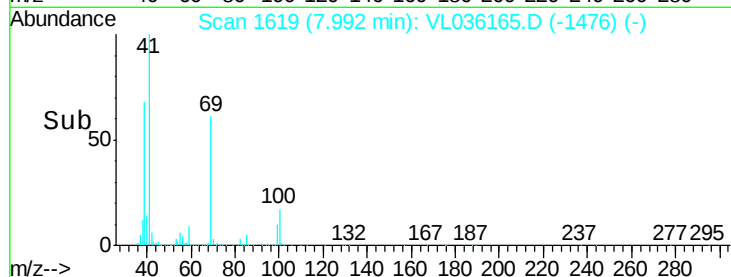
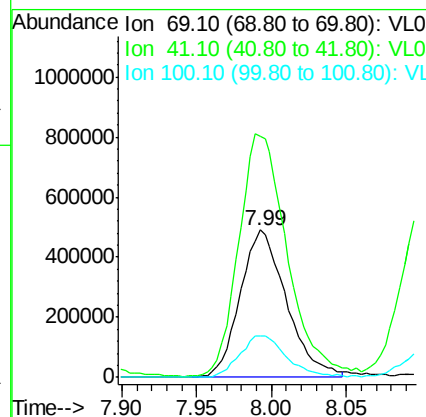
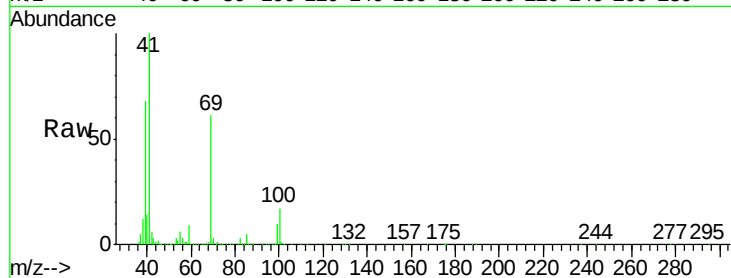
#43
Methyl Methacrylate
Concen: 11.485 ppbv
RT: 7.99 min Scan# 1619
Delta R.T. -0.04 min
Lab File: VL036165.D
Acq: 16 Dec 2020 13:19

Instrument :
MSVOA_L
ClientSampleId :
VL1216ABS01

Tgt Ion: 69 Resp: 1052514
Ion Ratio Lower Upper
69 100
41 174.0 133.0 199.6
100 29.1 25.4 38.0

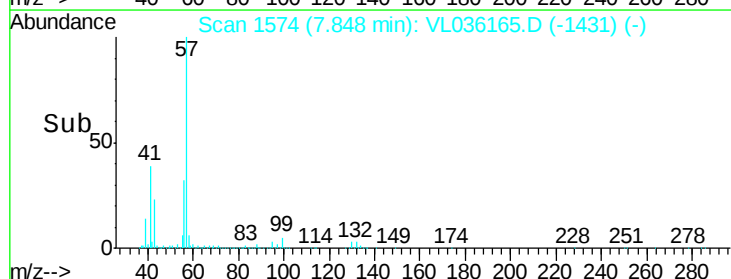
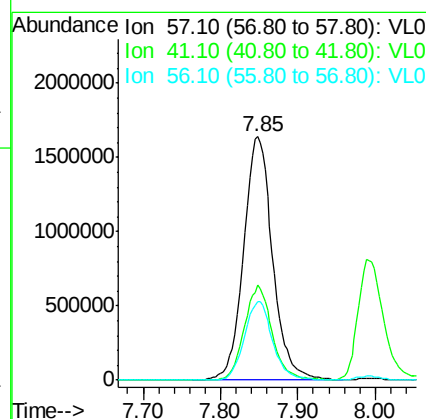
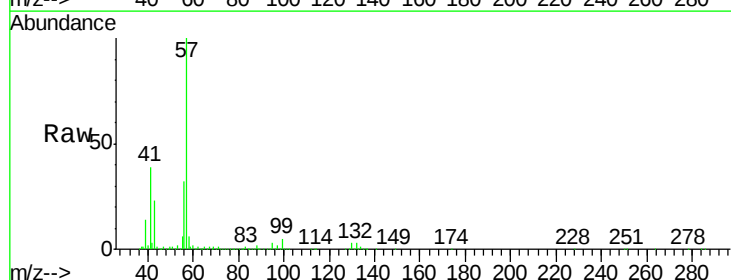
Manual Integrations
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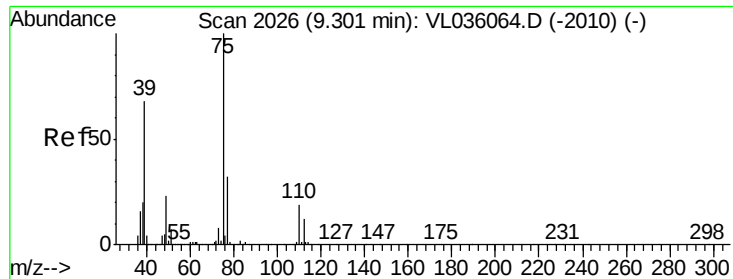
MMDadoda
12/17/2020 3:55:49 PM



#44
2,2,4-Trimethylpentane
Concen: 11.035 ppbv
RT: 7.85 min Scan# 1574
Delta R.T. -0.04 min
Lab File: VL036165.D
Acq: 16 Dec 2020 13:19

Tgt Ion: 57 Resp: 4269044
Ion Ratio Lower Upper
57 100
41 36.9 28.9 43.3
56 31.4 25.3 37.9





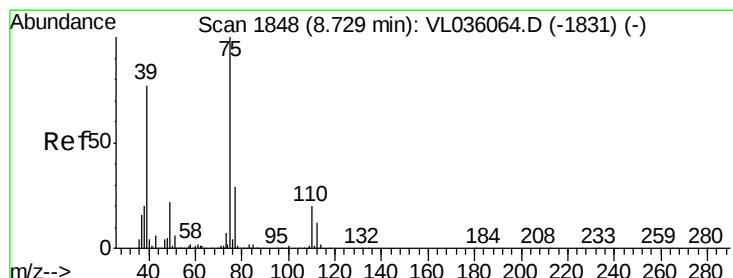
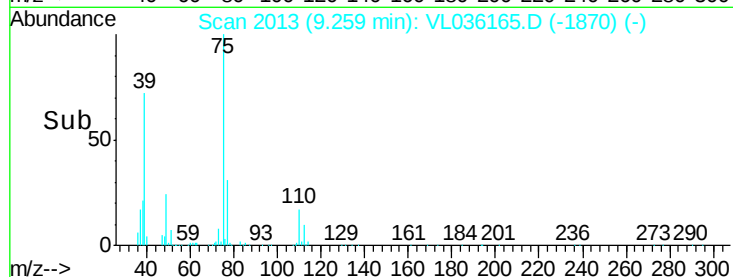
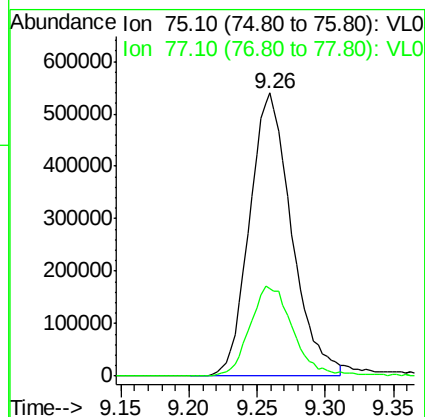
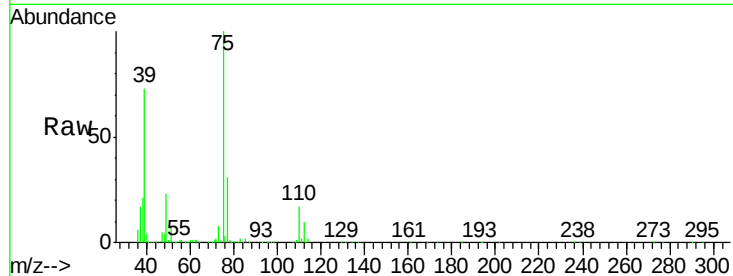
#45
t-1,3-Dichloropropene
Concen: 12.268 ppbv
RT: 9.26 min Scan# 2013
Delta R.T. -0.04 min
Lab File: VL036165.D
Acq: 16 Dec 2020 13:19

Instrument :
MSVOA_L
ClientSampleId :
VL1216ABS01

Tgt Ion: 75 Resp: 1154995
Ion Ratio Lower Upper
75 100
77 30.7 26.0 39.0

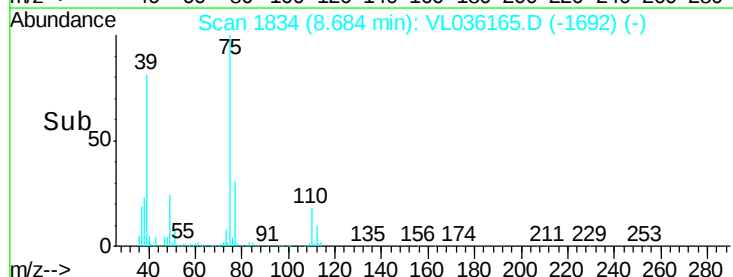
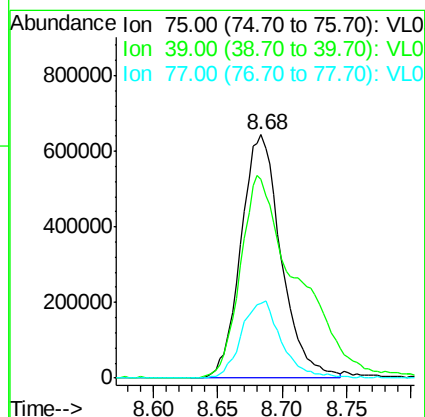
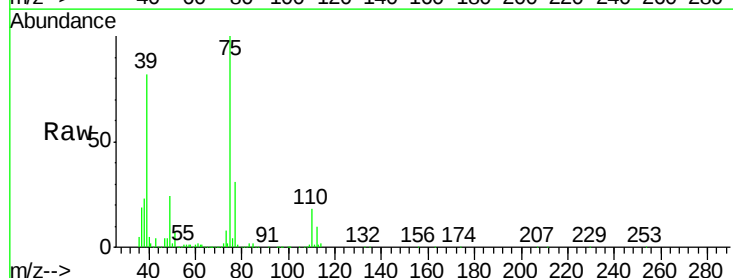
Manual Integrations
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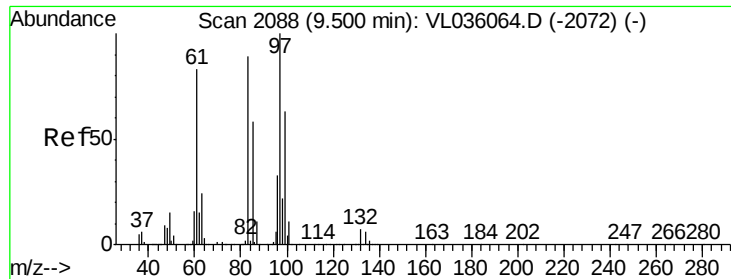
MMDadoda
12/17/2020 3:55:49 PM



#46
cis-1,3-Dichloropropene
Concen: 11.827 ppbv
RT: 8.68 min Scan# 1834
Delta R.T. -0.04 min
Lab File: VL036165.D
Acq: 16 Dec 2020 13:19

Tgt Ion: 75 Resp: 1395700
Ion Ratio Lower Upper
75 100
39 81.5 61.6 92.4
77 30.9 23.0 34.6





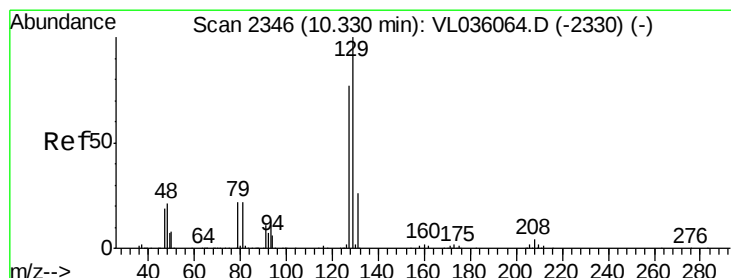
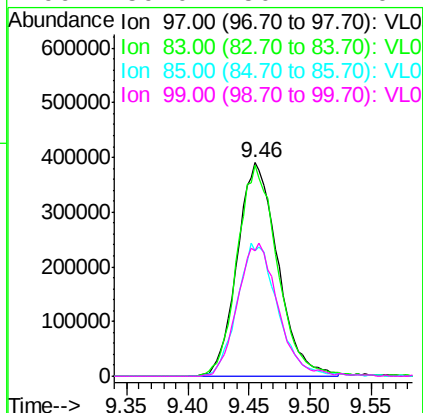
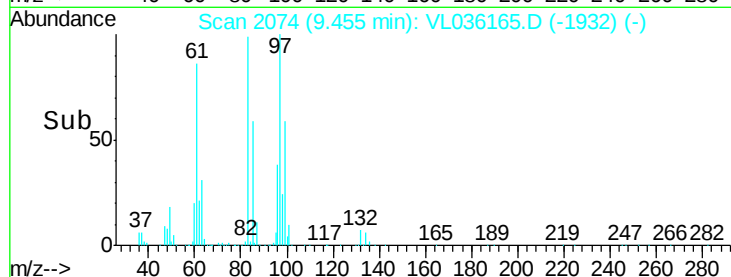
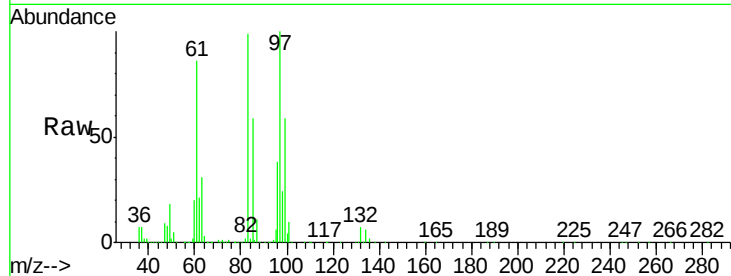
#47
 1,1,2-Trichloroethane
 Concen: 11.062 ppbv
 RT: 9.46 min Scan# 2074
 Delta R.T. -0.04 min
 Lab File: VL036165.D
 Acq: 16 Dec 2020 13:19

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1216ABS01

Tgt Ion	Ratio	Lower	Upper
97	100		
83	98.9	71.4	107.2
85	58.8	46.6	70.0
99	59.0	50.7	76.1

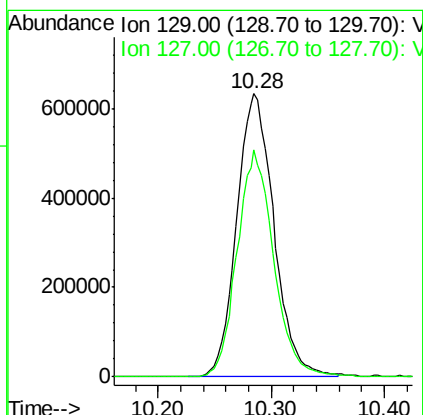
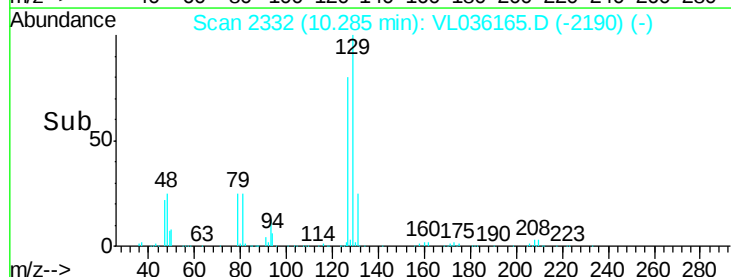
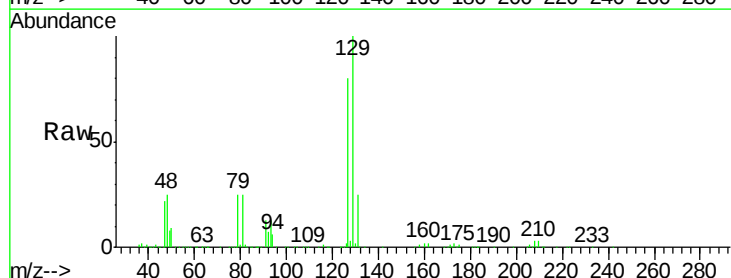
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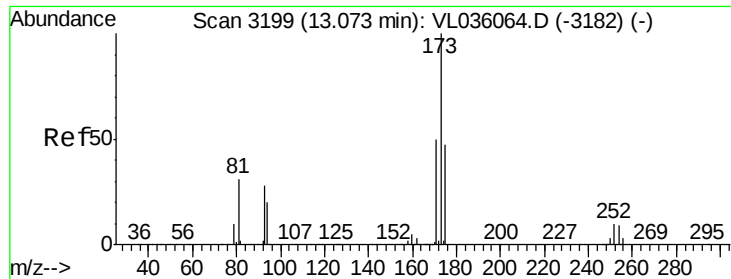
MMDadoda
 12/17/2020 3:55:49 PM



#48
 Dibromochloromethane
 Concen: 11.828 ppbv
 RT: 10.28 min Scan# 2332
 Delta R.T. -0.04 min
 Lab File: VL036165.D
 Acq: 16 Dec 2020 13:19

Tgt Ion	Ratio	Lower	Upper
129	100		
127	79.2	39.0	117.0





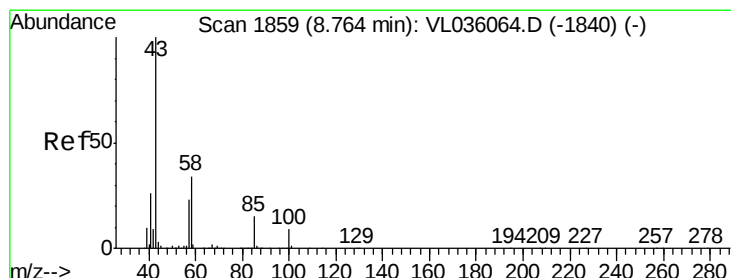
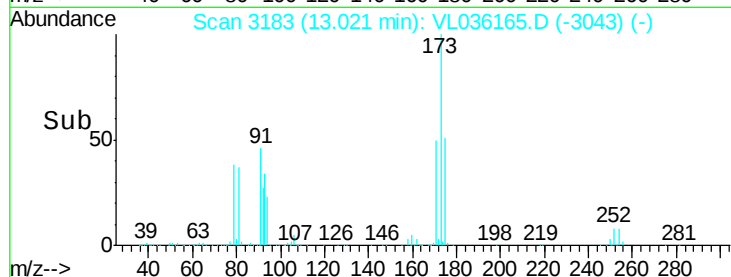
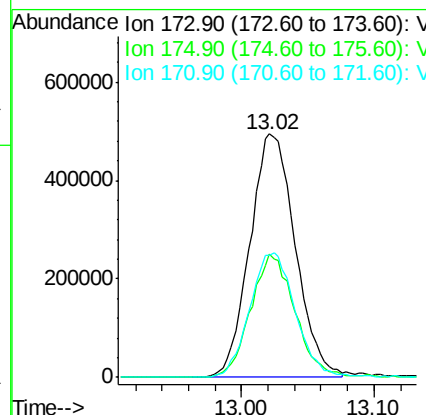
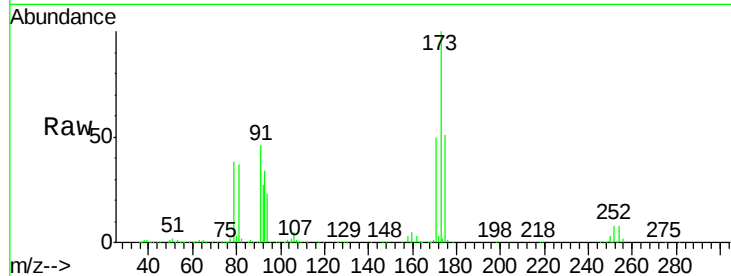
#49
Bromoform
Concen: 12.228 ppbv
RT: 13.02 min Scan# 3183
Delta R.T. -0.05 min
Lab File: VL036165.D
Acq: 16 Dec 2020 13:19

Instrument :
MSVOA_L
ClientSampleId :
VL1216ABS01

Tgt Ion:173 Resp: 1179543
Ion Ratio Lower Upper
173 100
175 49.7 39.8 59.6
171 51.8 42.5 63.7

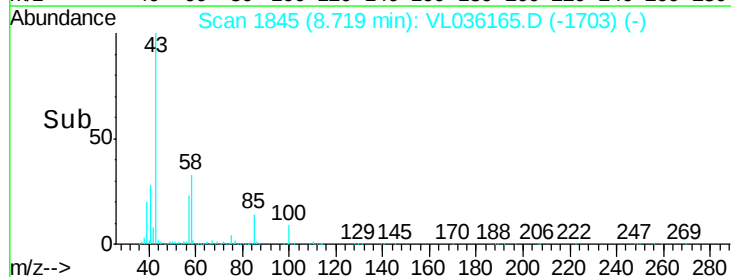
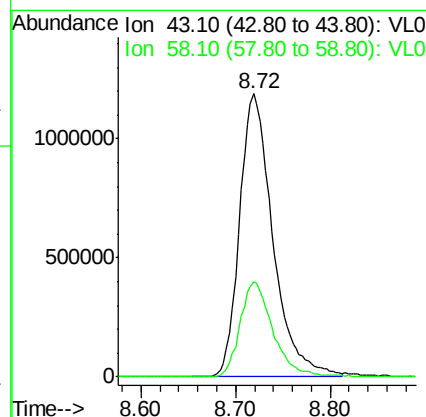
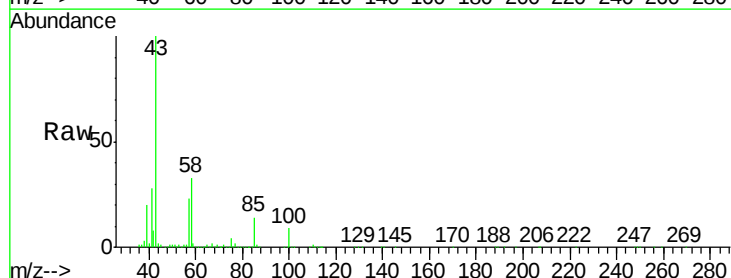
Manual Integrations
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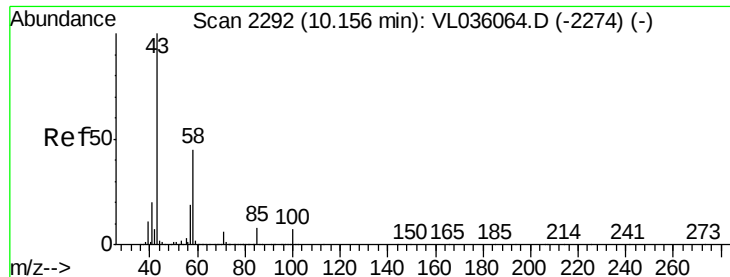
MMDadoda
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#50
4-Methyl-2-Pentanone
Concen: 11.665 ppbv
RT: 8.72 min Scan# 1845
Delta R.T. -0.04 min
Lab File: VL036165.D
Acq: 16 Dec 2020 13:19

Tgt Ion: 43 Resp: 2908624
Ion Ratio Lower Upper
43 100
58 33.5 27.4 41.2





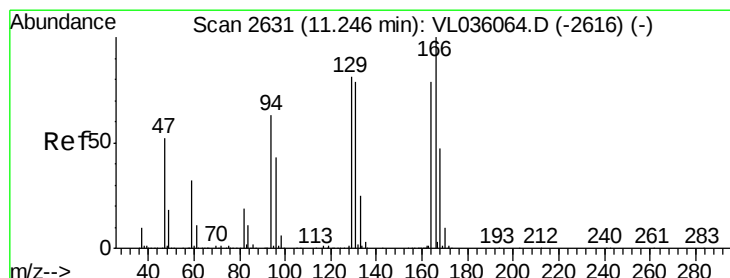
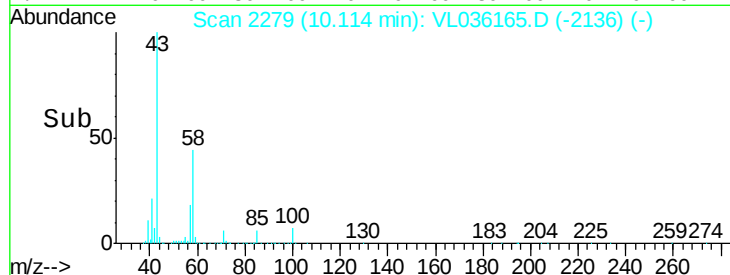
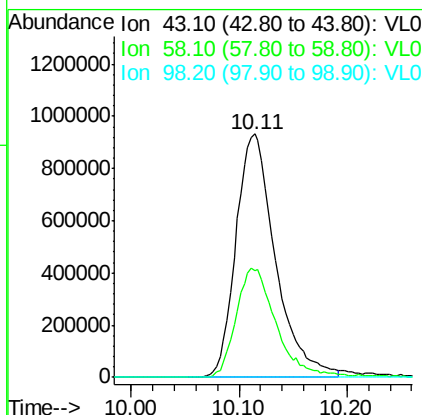
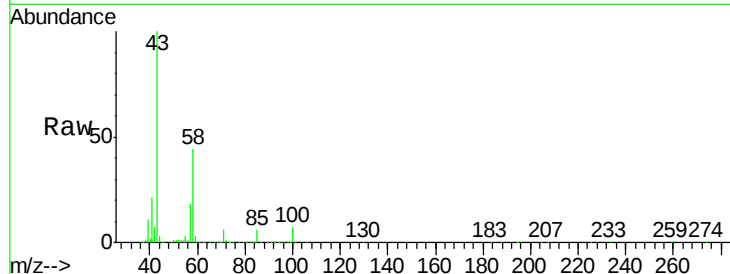
#51
2-Hexanone
Concen: 12.195 ppbv
RT: 10.11 min Scan# 2279
Delta R.T. -0.04 min
Lab File: VL036165.D
Acq: 16 Dec 2020 13:19

Instrument :
MSVOA_L
ClientSampleId :
VL1216ABS01

Tgt Ion: 43 Resp: 2376907
Ion Ratio Lower Upper
43 100
58 46.3 38.7 58.1
98 0.1 0.1 0.1

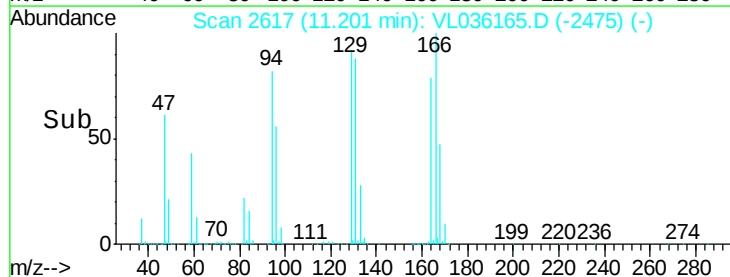
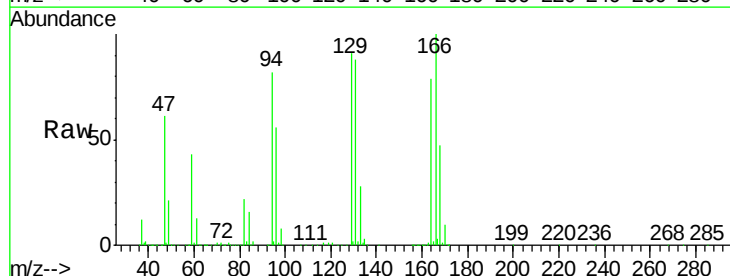
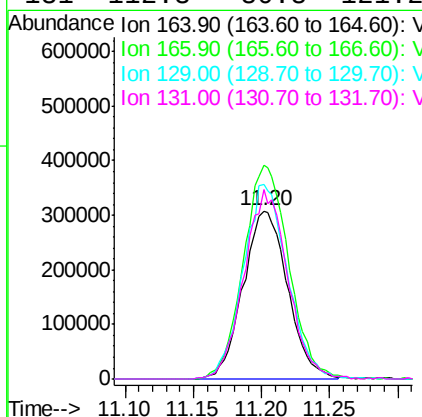
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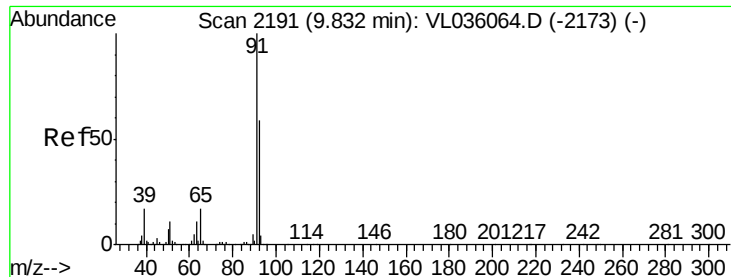
MMDadoda
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#52
Tetrachloroethene
Concen: 9.013 ppbv
RT: 11.20 min Scan# 2617
Delta R.T. -0.04 min
Lab File: VL036165.D
Acq: 16 Dec 2020 13:19

Tgt Ion: 164 Resp: 696935
Ion Ratio Lower Upper
164 100
166 126.9 101.9 152.9
129 115.8 82.1 123.1
131 112.3 80.8 121.2





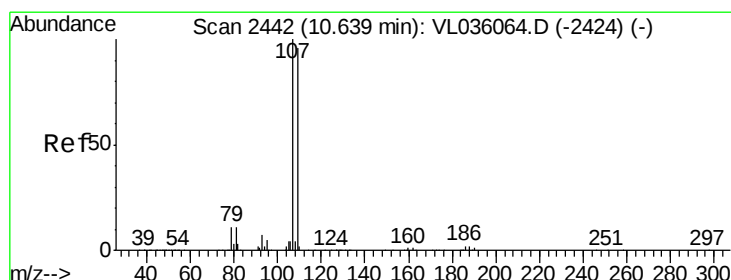
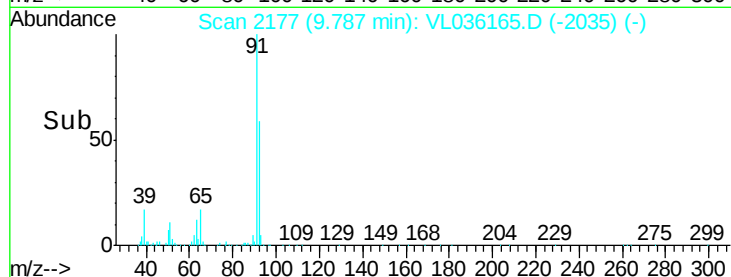
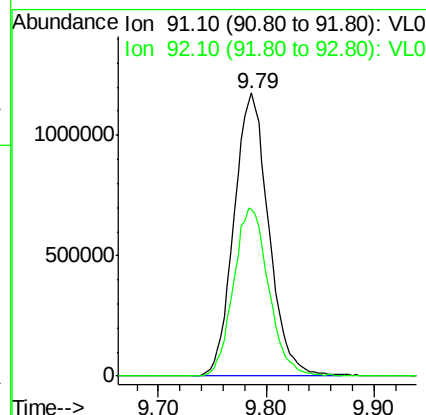
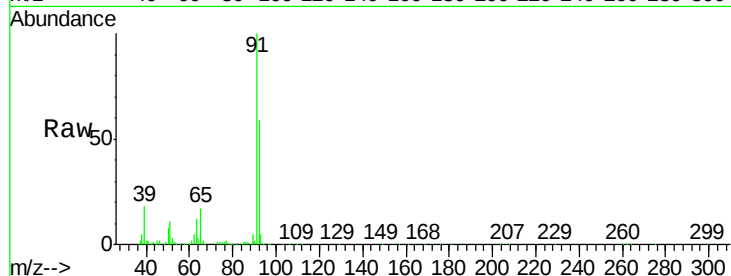
#53
Toluene
Concen: 10.981 ppbv
RT: 9.79 min Scan# 2177
Delta R.T. -0.04 min
Lab File: VL036165.D
Acq: 16 Dec 2020 13:19

Instrument :
MSVOA_L
ClientSampleId :
VL1216ABS01

Tgt Ion: 91 Resp: 2634081
Ion Ratio Lower Upper
91 100
92 60.5 48.2 72.2

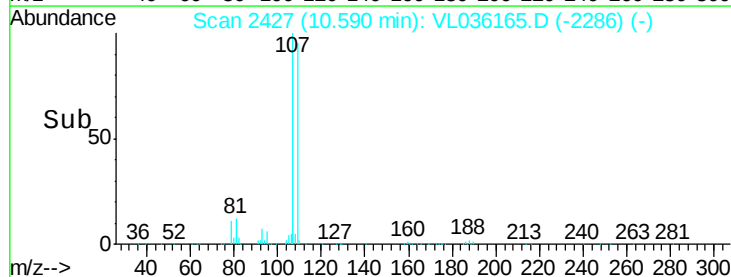
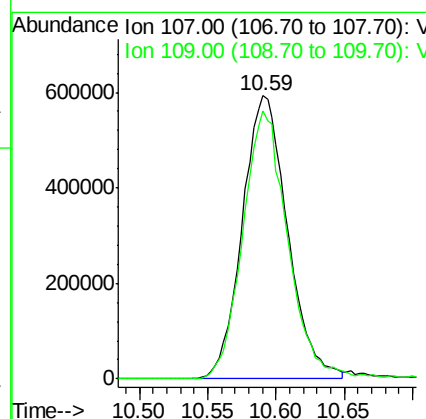
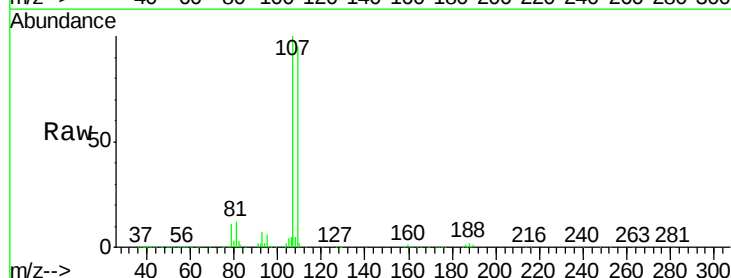
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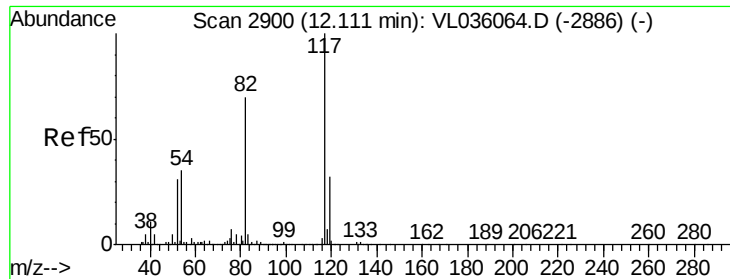
MMDadoda
12/17/2020 3:55:49 PM



#54
1,2-Dibromoethane
Concen: 11.184 ppbv
RT: 10.59 min Scan# 2427
Delta R.T. -0.05 min
Lab File: VL036165.D
Acq: 16 Dec 2020 13:19

Tgt Ion: 107 Resp: 1360561
Ion Ratio Lower Upper
107 100
109 94.9 76.6 115.0





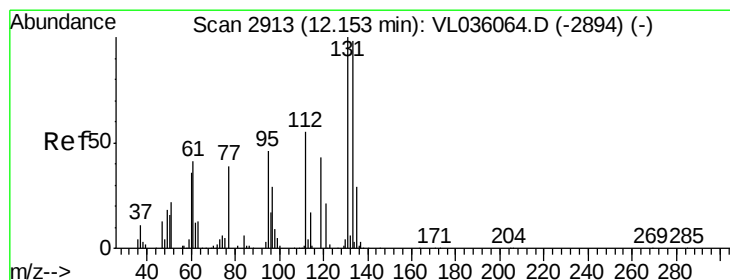
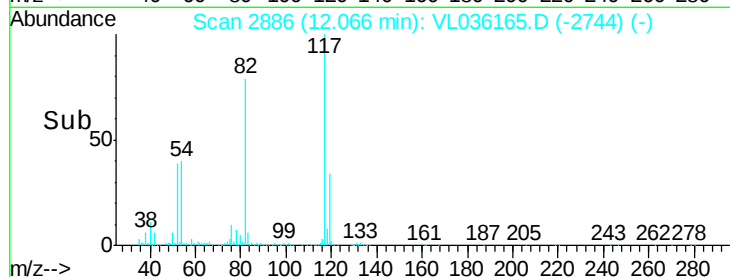
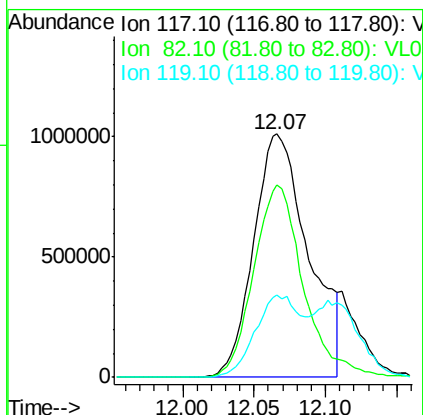
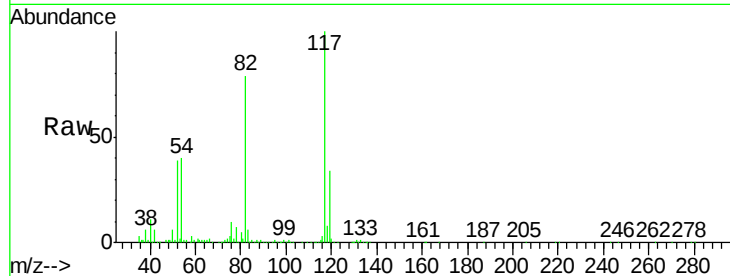
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.07 min Scan# 2886
Delta R.T. -0.04 min
Lab File: VL036165.D
Acq: 16 Dec 2020 13:19

Instrument :
MSVOA_L
ClientSampleId :
VL1216ABS01

Tgt Ion:117 Resp: 2700304
Ion Ratio Lower Upper
117 100
82 72.1 0.0 0.0#
119 27.4 0.0 0.0#

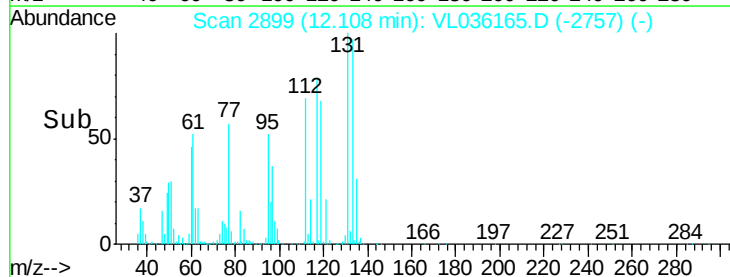
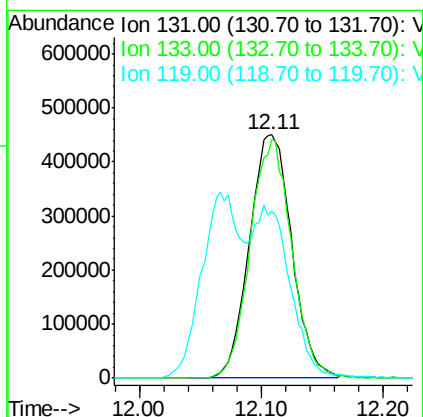
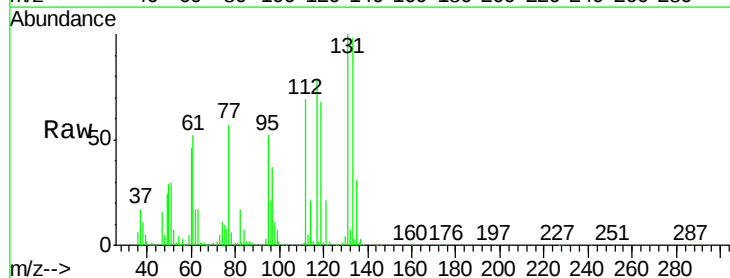
Manual Integrations
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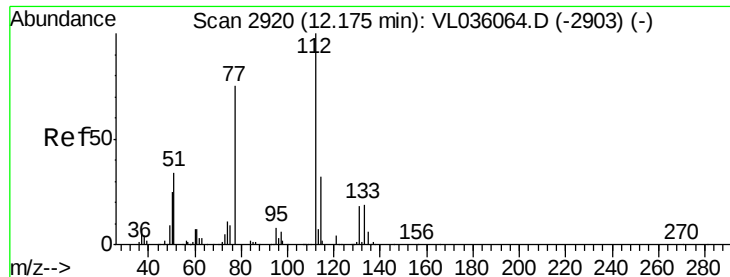
MMDadoda
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#56
1,1,1,2-Tetrachloroethane
Concen: 9.656 ppbv
RT: 12.11 min Scan# 2899
Delta R.T. -0.04 min
Lab File: VL036165.D
Acq: 16 Dec 2020 13:19

Tgt Ion:131 Resp: 1081141
Ion Ratio Lower Upper
131 100
133 96.1 77.7 116.5
119 57.7 51.6 77.4





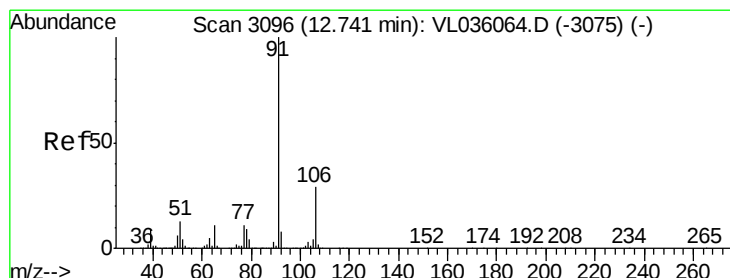
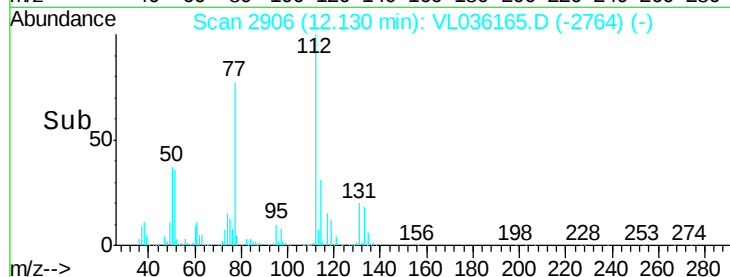
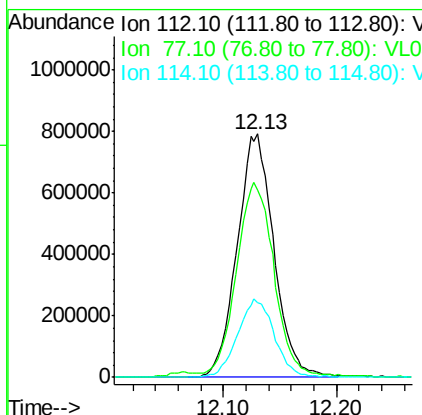
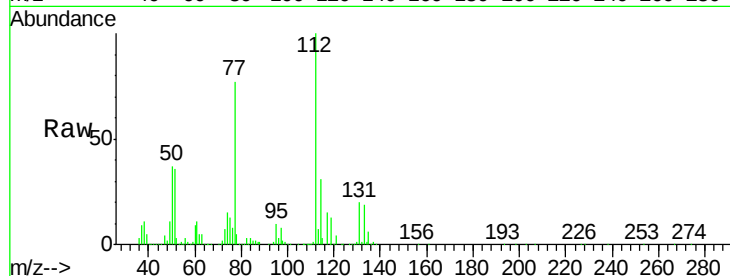
#57
Chlorobenzene
Concen: 9.414 ppbv
RT: 12.13 min Scan# 2906
Delta R.T. -0.04 min
Lab File: VL036165.D
Acq: 16 Dec 2020 13:19

Instrument :
MSVOA_L
ClientSampleId :
VL1216ABS01

Tgt Ion: 112 Resp: 1784554
Ion Ratio Lower Upper
112 100
77 75.9 60.5 90.7
114 30.7 29.2 35.6

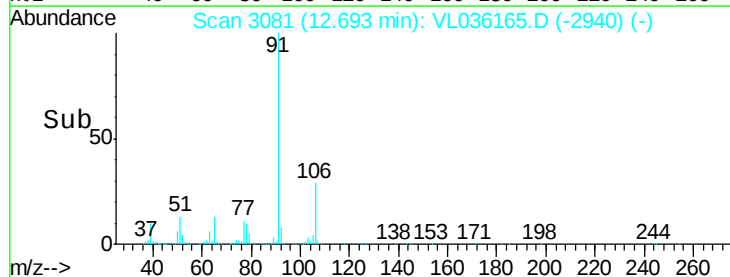
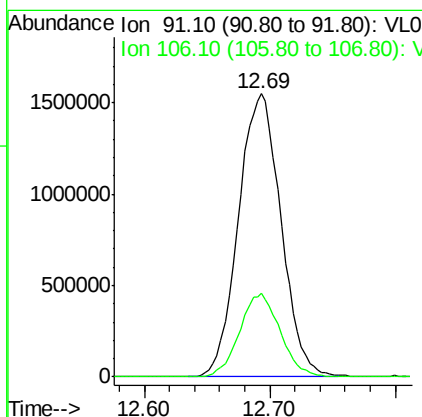
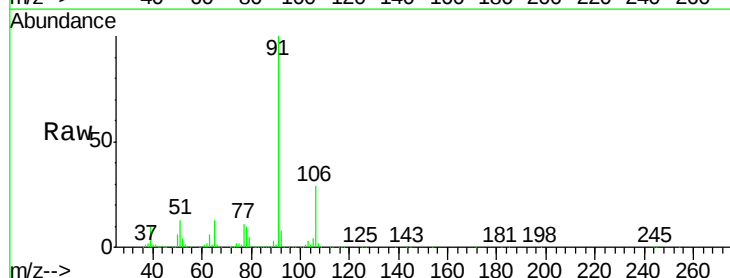
Manual Integrations
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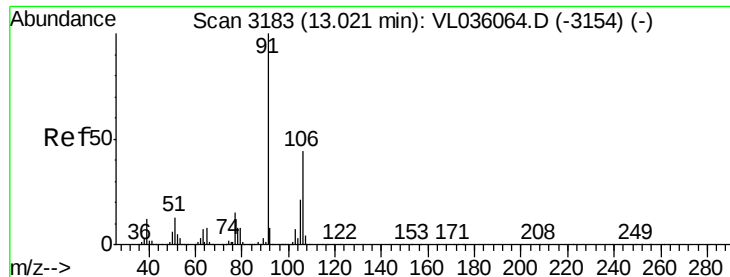
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#58
Ethyl Benzene
Concen: 9.838 ppbv
RT: 12.69 min Scan# 3081
Delta R.T. -0.05 min
Lab File: VL036165.D
Acq: 16 Dec 2020 13:19

Tgt Ion: 91 Resp: 3640803
Ion Ratio Lower Upper
91 100
106 29.4 23.0 34.4





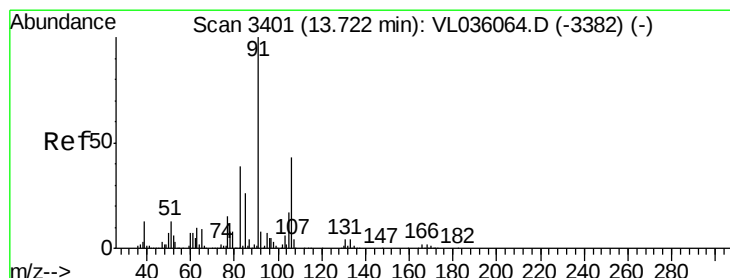
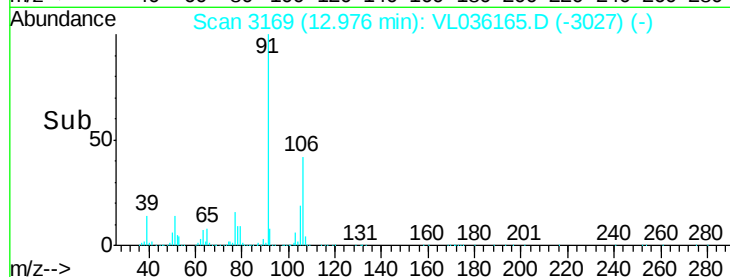
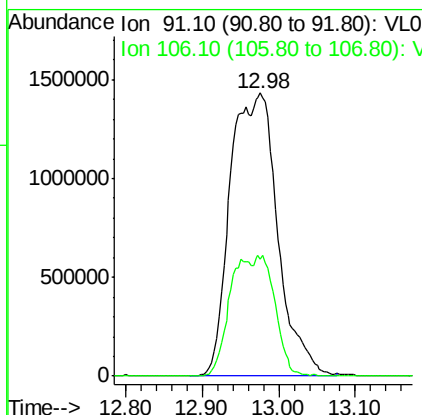
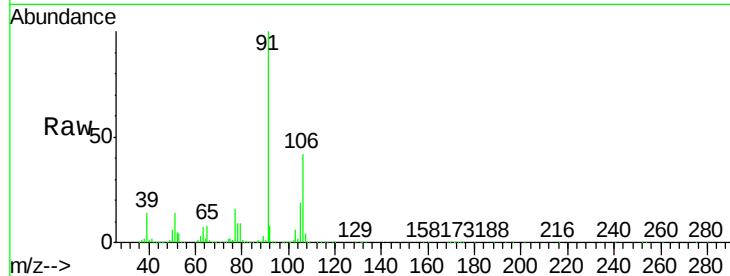
#59
m/p-Xylene
Concen: 19.807 ppbv m
RT: 12.98 min Scan# 3169
Delta R.T. -0.04 min
Lab File: VL036165.D
Acq: 16 Dec 2020 13:19

Instrument :
MSVOA_L
ClientSampleId :
VL1216ABS01

Tgt Ion: 91 Resp: 6173627
Ion Ratio Lower Upper
91 100
106 39.9 33.6 50.4

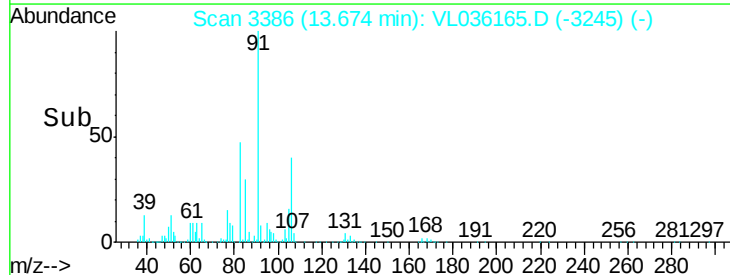
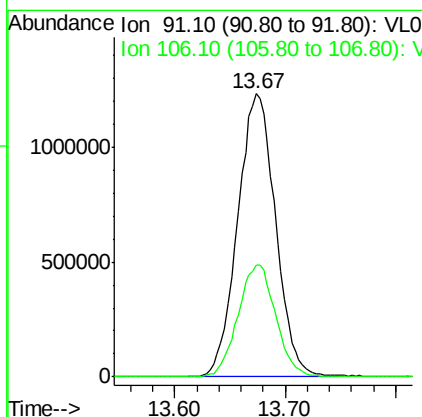
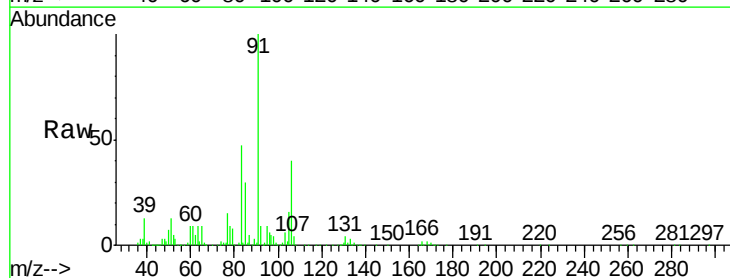
Manual Integrations
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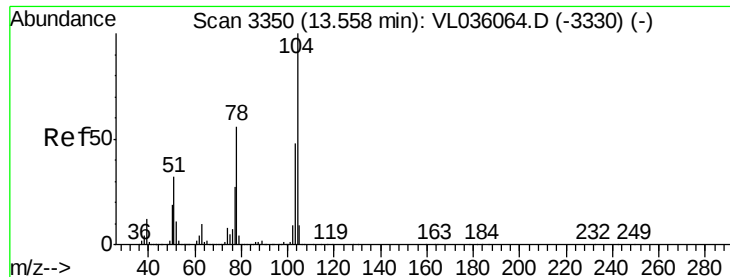
MMDadoda
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#60
o-Xylene
Concen: 9.952 ppbv
RT: 13.67 min Scan# 3386
Delta R.T. -0.05 min
Lab File: VL036165.D
Acq: 16 Dec 2020 13:19

Tgt Ion: 91 Resp: 2922418
Ion Ratio Lower Upper
91 100
106 39.5 21.6 64.6





#61

Styrene

Concen: 10.254 ppbv

RT: 13.51 min Scan# 3335

Delta R.T. -0.05 min

Lab File: VL036165.D

Acq: 16 Dec 2020 13:19

Instrument :

MSVOA_L

ClientSampled :

VL1216ABS01

Tgt Ion:104 Resp: 1933169

Ion Ratio Lower Upper

104 100

78 63.7 45.8 68.8

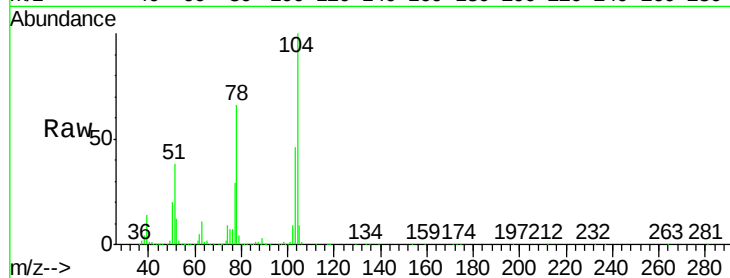
103 47.7 38.6 57.8

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Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VL0

Ion 103.10 (102.80 to 103.80): V

1000000

800000

600000

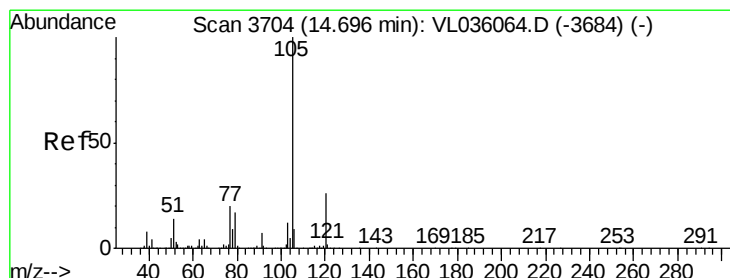
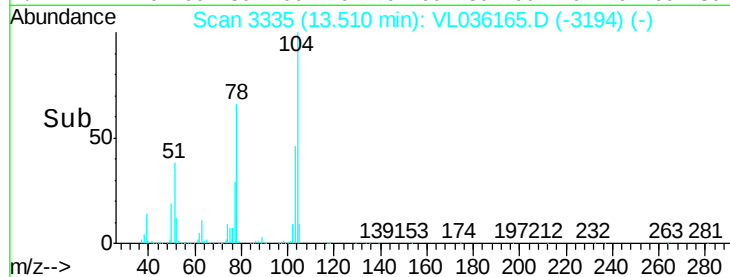
400000

200000

0

13.40 13.50 13.60

Time-->



#62

Isopropylbenzene

Concen: 9.506 ppbv

RT: 14.65 min Scan# 3689

Delta R.T. -0.05 min

Lab File: VL036165.D

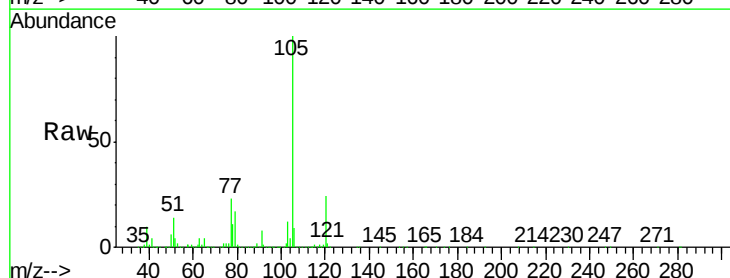
Acq: 16 Dec 2020 13:19

Tgt Ion:105 Resp: 4138097

Ion Ratio Lower Upper

105 100

120 24.1 20.1 30.1



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

2000000

1500000

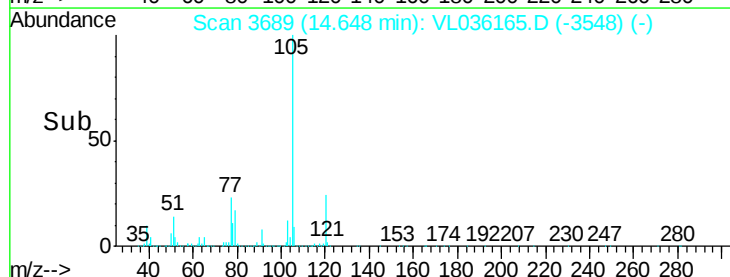
1000000

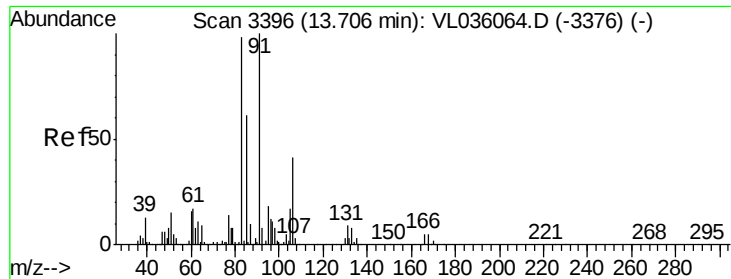
500000

0

14.60 14.70

Time-->





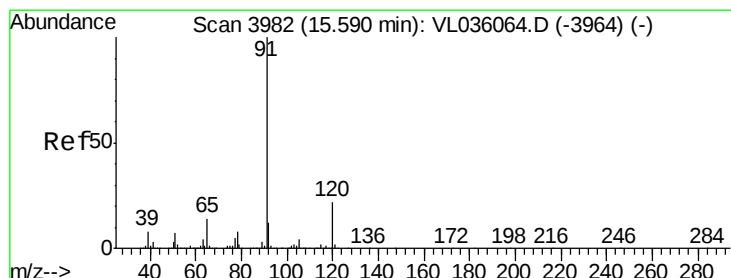
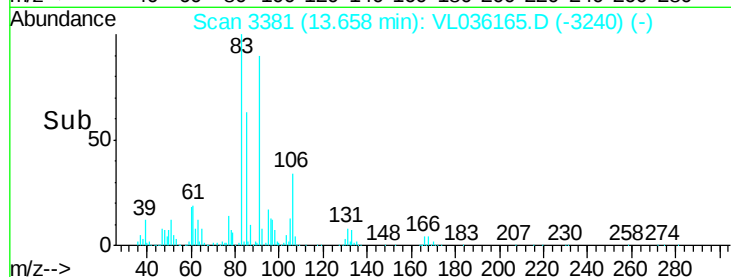
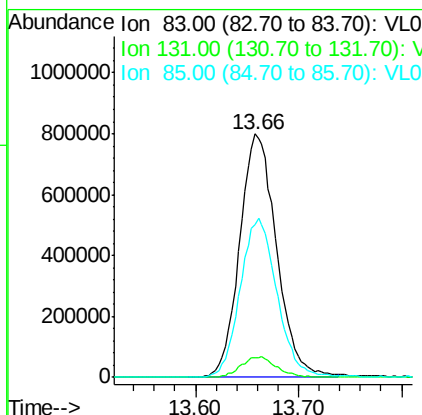
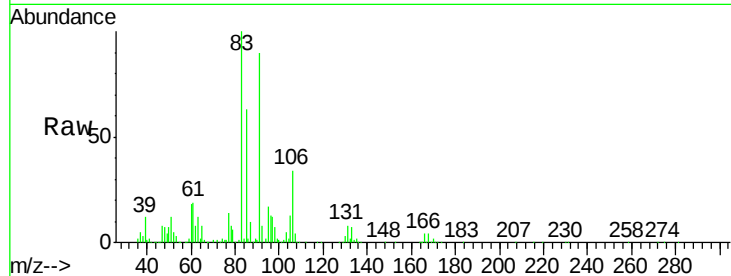
#63
 1,1,2,2-Tetrachloroethane
 Concen: 10.043 ppbv
 RT: 13.66 min Scan# 3381
 Delta R.T. -0.05 min
 Lab File: VL036165.D
 Acq: 16 Dec 2020 13:19

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1216ABS01

Tgt Ion: 83 Resp: 1986279
 Ion Ratio Lower Upper
 83 100
 131 8.4 4.6 13.8
 85 65.7 32.5 97.5

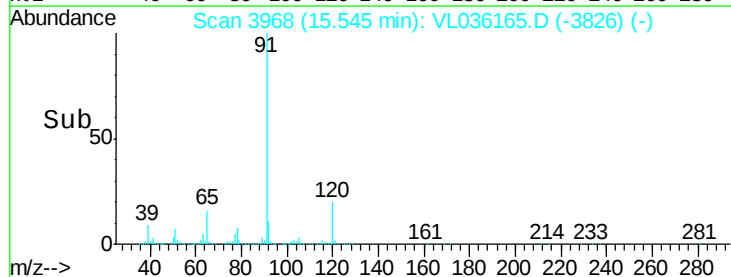
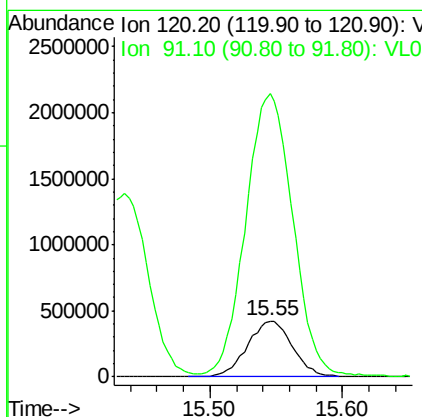
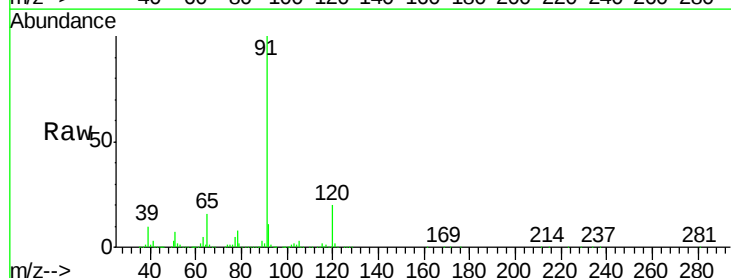
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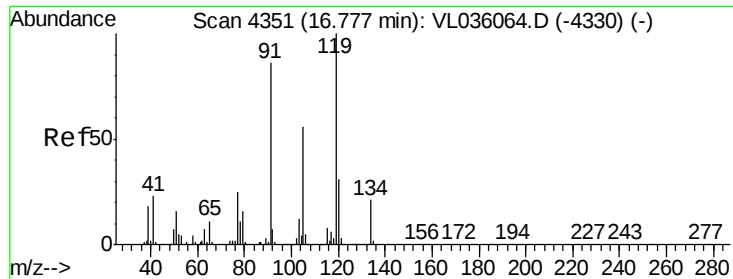
MMDadoda
 12/17/2020 3:55:49 PM



#64
 n-propylbenzene
 Concen: 9.519 ppbv
 RT: 15.55 min Scan# 3968
 Delta R.T. -0.05 min
 Lab File: VL036165.D
 Acq: 16 Dec 2020 13:19

Tgt Ion: 120 Resp: 996857
 Ion Ratio Lower Upper
 120 100
 91 532.5 388.9 583.3





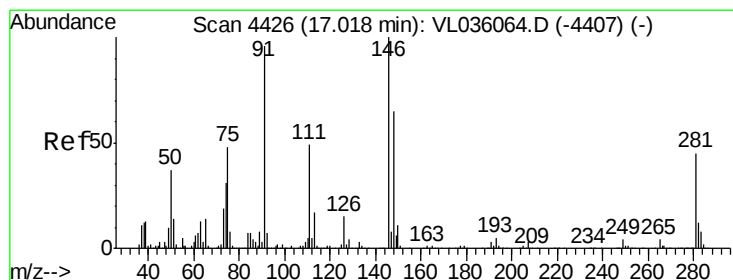
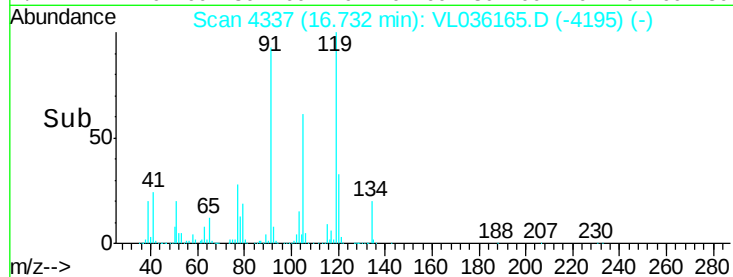
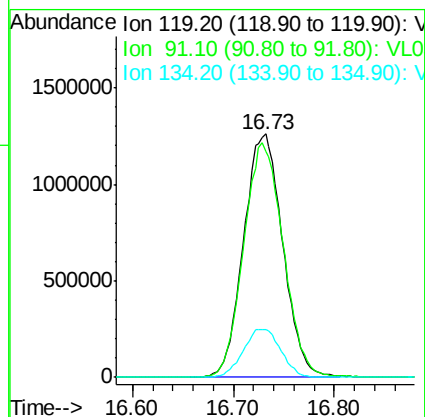
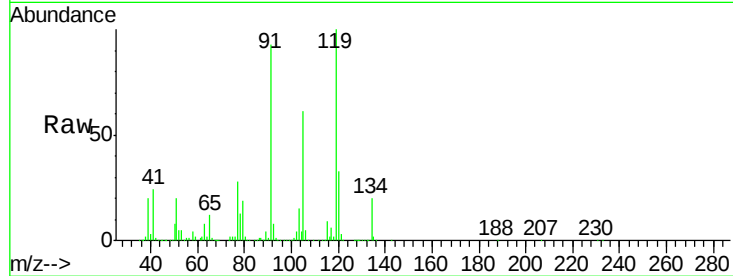
#65
tert-Butylbenzene
Concen: 9.534 ppbv
RT: 16.73 min Scan# 4337
Delta R.T. -0.05 min
Lab File: VL036165.D
Acq: 16 Dec 2020 13:19

Instrument :
MSVOA_L
ClientSampleId :
VL1216ABS01

Tgt Ion: 119 Resp: 3397090
Ion Ratio Lower Upper
119 100
91 97.4 70.2 105.2
134 19.1 15.8 23.6

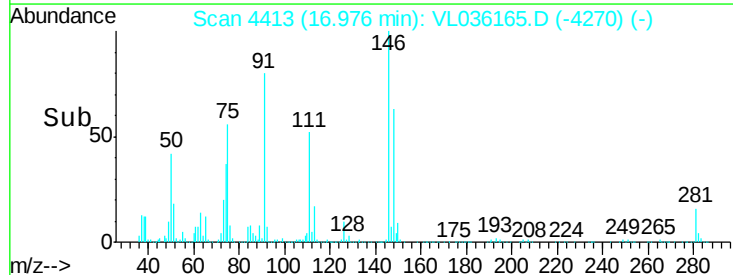
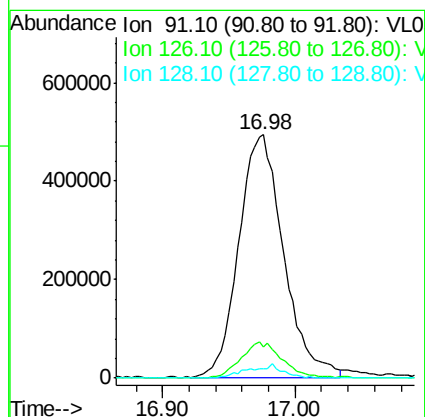
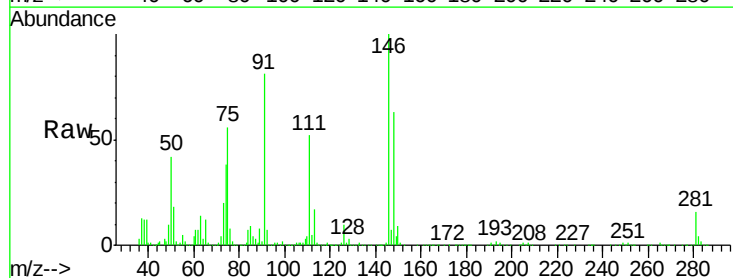
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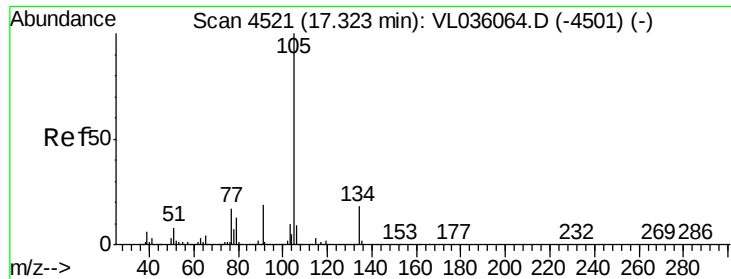
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#66
Benzyl Chloride
Concen: 13.003 ppbv
RT: 16.98 min Scan# 4413
Delta R.T. -0.04 min
Lab File: VL036165.D
Acq: 16 Dec 2020 13:19

Tgt Ion: 91 Resp: 1153571
Ion Ratio Lower Upper
91 100
126 14.4 13.5 20.3
128 4.8 4.4 6.6





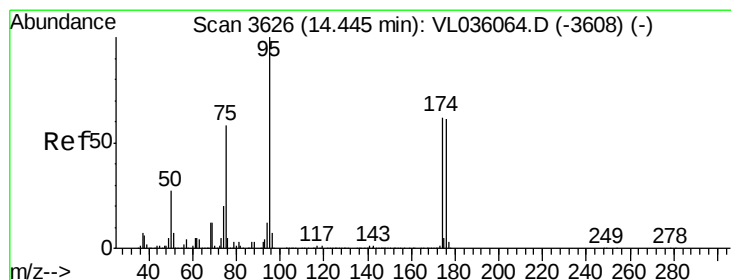
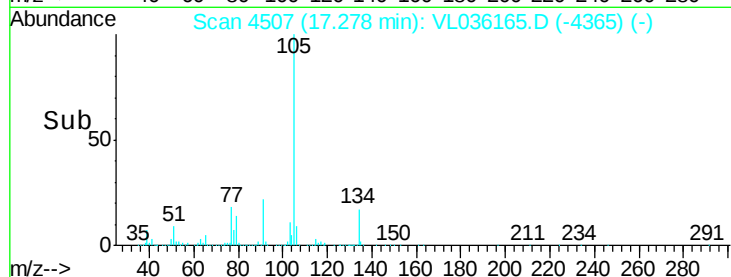
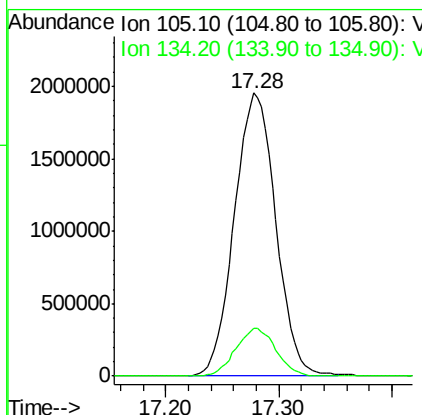
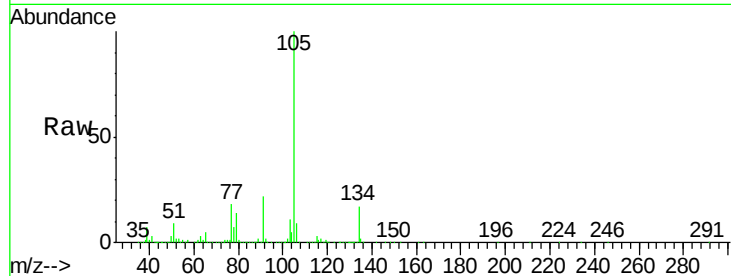
#67
 sec-Butylbenzene
 Concen: 9.925 ppbv
 RT: 17.28 min Scan# 4507
 Delta R.T. -0.04 min
 Lab File: VL036165.D
 Acq: 16 Dec 2020 13:19

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1216ABS01

Tgt Ion: 105 Resp: 4949263
 Ion Ratio Lower Upper
 105 100
 134 16.5 14.2 21.4

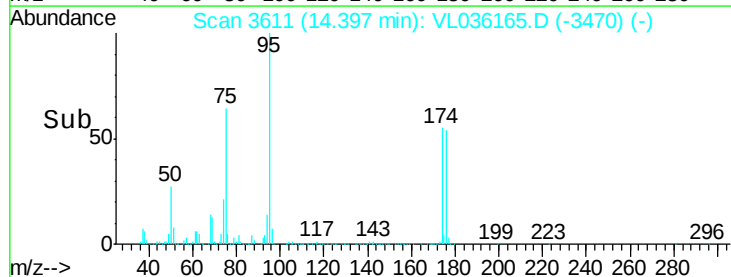
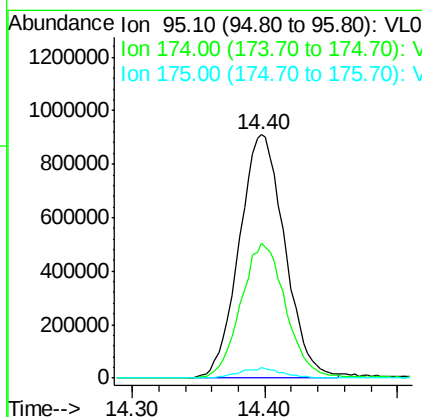
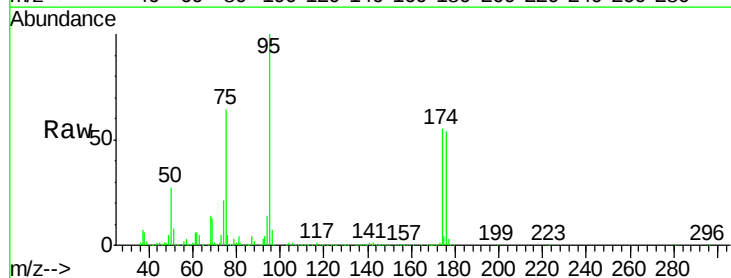
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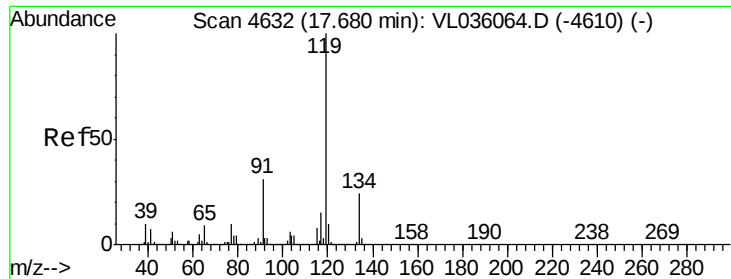
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#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.120 ppbv
 RT: 14.40 min Scan# 3611
 Delta R.T. -0.05 min
 Lab File: VL036165.D
 Acq: 16 Dec 2020 13:19

Tgt Ion: 95 Resp: 2169851
 Ion Ratio Lower Upper
 95 100
 174 54.8 50.7 76.1
 175 4.0 4.0 6.0#





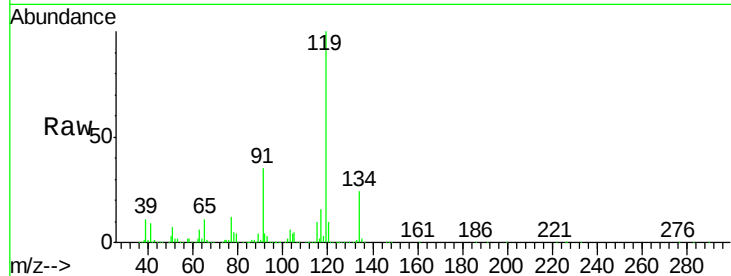
#69
p-Isopropyltoluene
Concen: 9.845 ppbv
RT: 17.64 min Scan# 4618
Delta R.T. -0.04 min
Lab File: VL036165.D
Acq: 16 Dec 2020 13:19

Instrument :
MSVOA_L
ClientSampleId :
VL1216ABS01

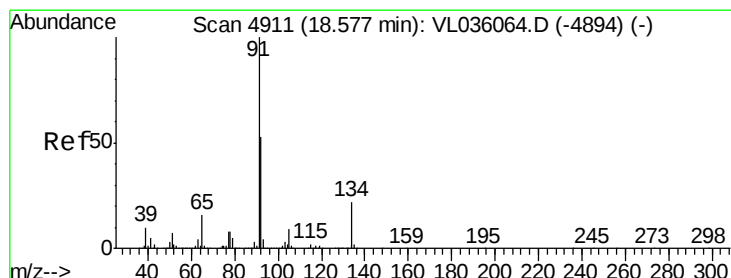
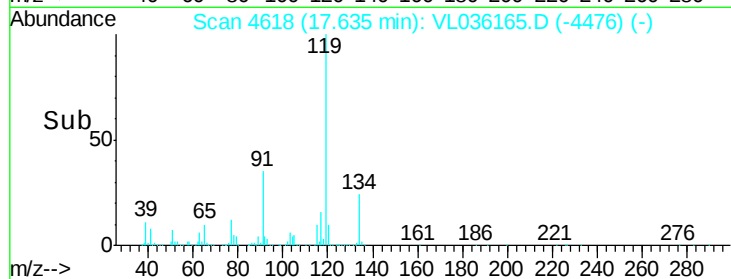
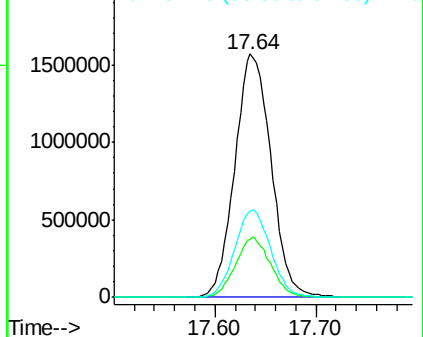
Tgt Ion: 119 Resp: 3904804
Ion Ratio Lower Upper
119 100
134 24.0 19.8 29.6
91 35.7 25.8 38.6

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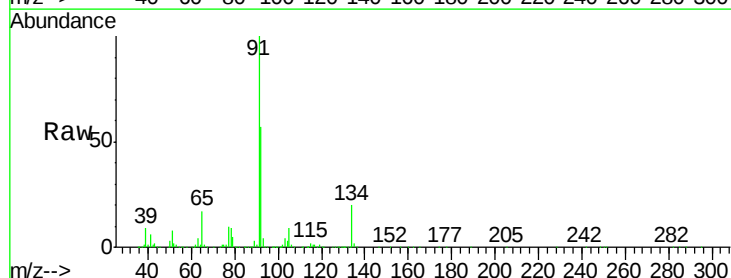


Abundance Ion 119.10 (118.80 to 119.80): V
Ion 134.20 (133.90 to 134.90): V
Ion 91.10 (90.80 to 91.80): V

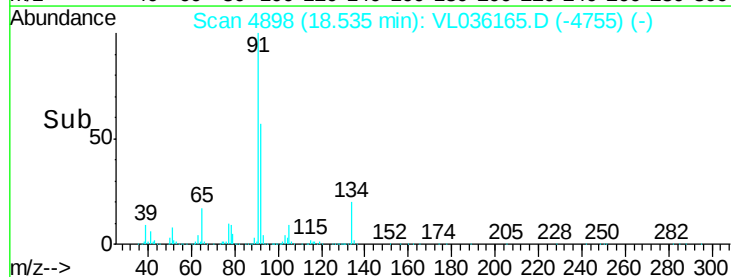
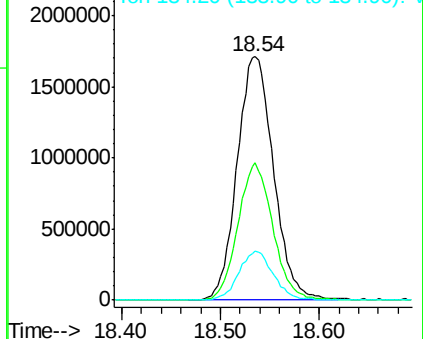


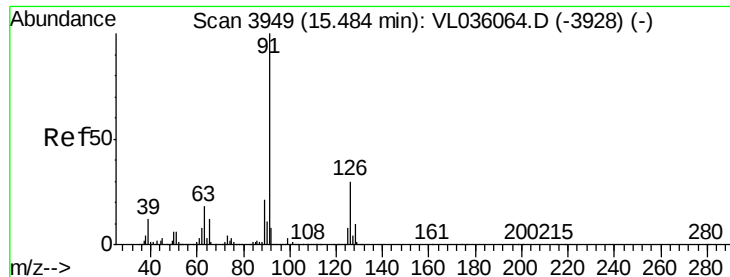
#70
n-Butylbenzene
Concen: 11.142 ppbv
RT: 18.54 min Scan# 4898
Delta R.T. -0.04 min
Lab File: VL036165.D
Acq: 16 Dec 2020 13:19

Tgt Ion: 91 Resp: 4368029
Ion Ratio Lower Upper
91 100
92 54.3 43.3 64.9
134 19.2 17.1 25.7



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





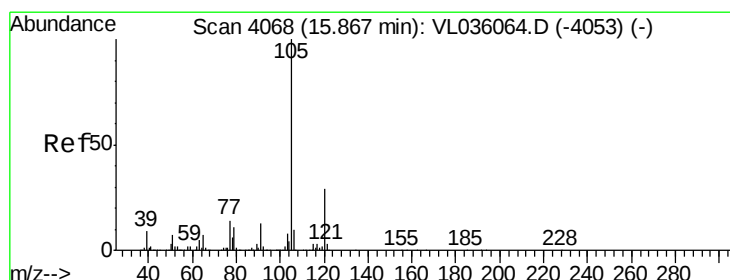
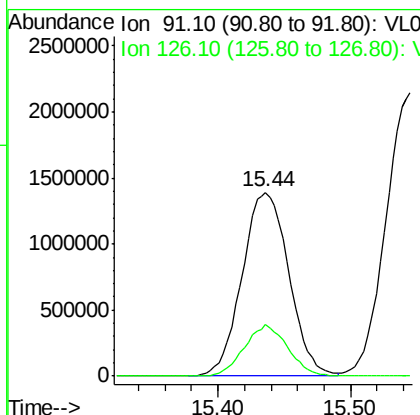
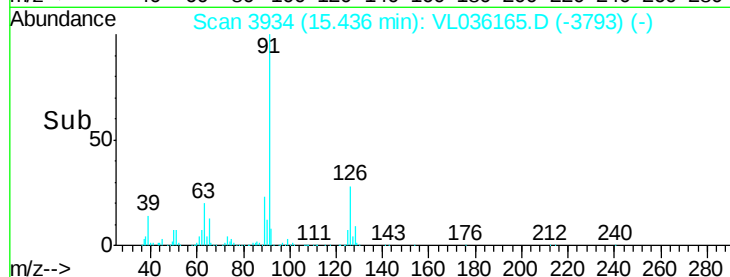
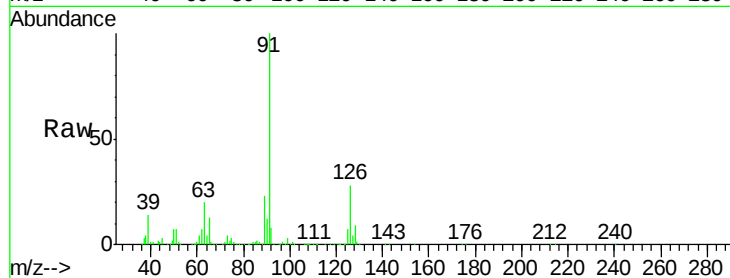
#71
2-Chlorotoluene
Concen: 10.351 ppbv
RT: 15.44 min Scan# 3934
Delta R.T. -0.05 min
Lab File: VL036165.D
Acq: 16 Dec 2020 13:19

Instrument :
MSVOA_L
ClientSampleId :
VL1216ABS01

Tgt Ion: 91 Resp: 3405956
Ion Ratio Lower Upper
91 100
126 26.3 11.6 46.4

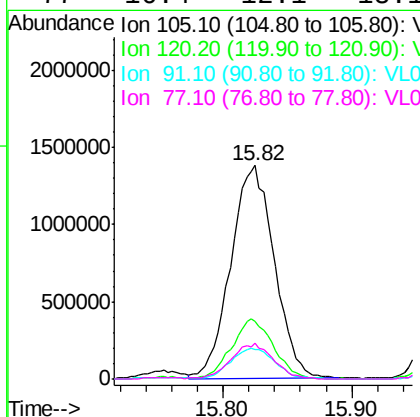
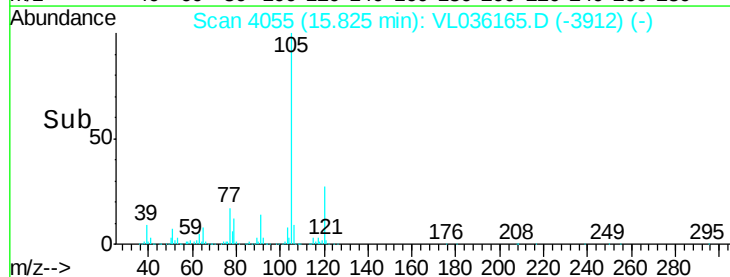
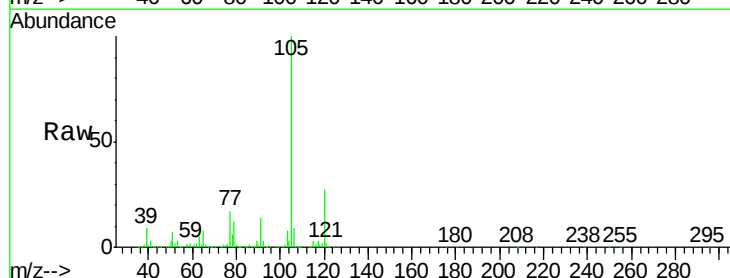
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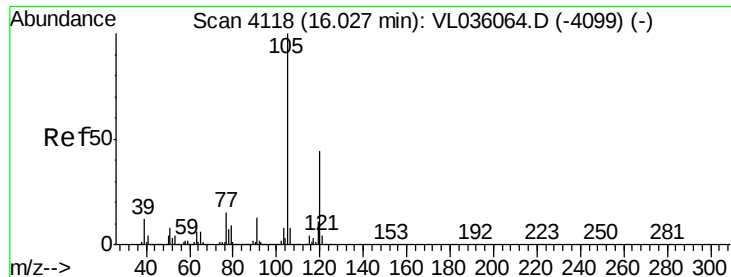
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#72
4-Ethyltoluene
Concen: 10.098 ppbv
RT: 15.82 min Scan# 4055
Delta R.T. -0.04 min
Lab File: VL036165.D
Acq: 16 Dec 2020 13:19

Tgt Ion: 105 Resp: 3212338
Ion Ratio Lower Upper
105 100
120 27.3 23.6 35.4
91 14.7 11.4 17.0
77 16.4 12.1 18.1





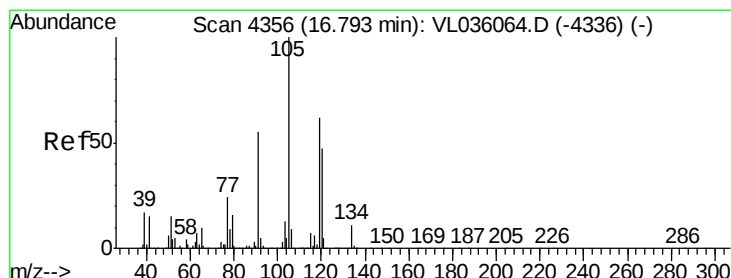
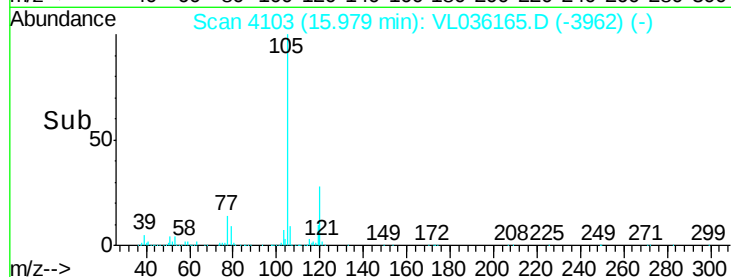
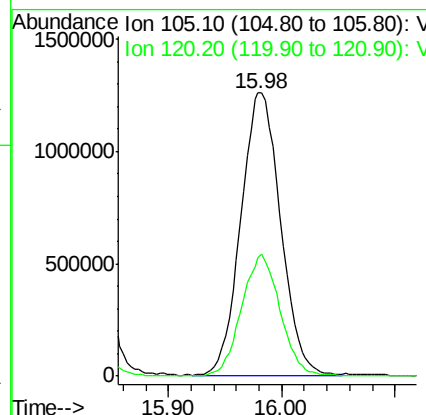
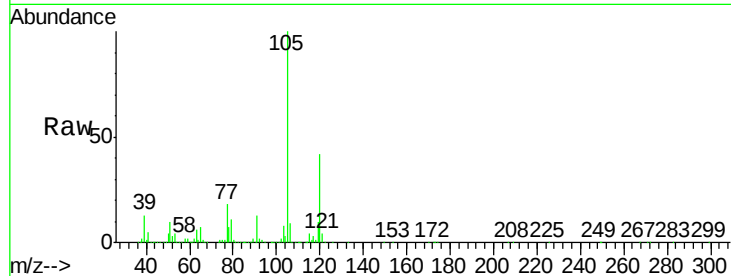
#73
 1,3,5-Trimethylbenzene
 Concen: 10.065 ppbv
 RT: 15.98 min Scan# 4103
 Delta R.T. -0.05 min
 Lab File: VL036165.D
 Acq: 16 Dec 2020 13:19

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1216ABS01

Tgt Ion:105 Resp: 3057754
 Ion Ratio Lower Upper
 105 100
 120 41.9 35.4 53.2

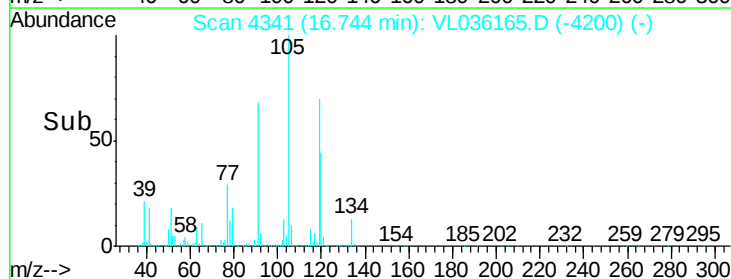
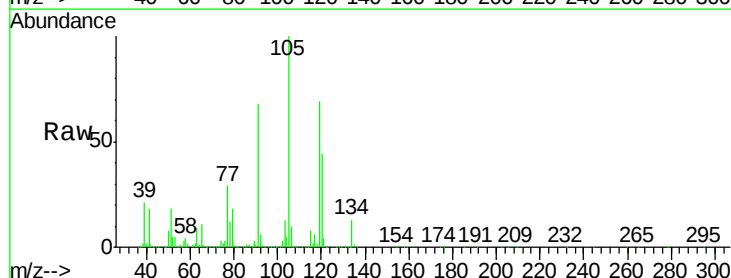
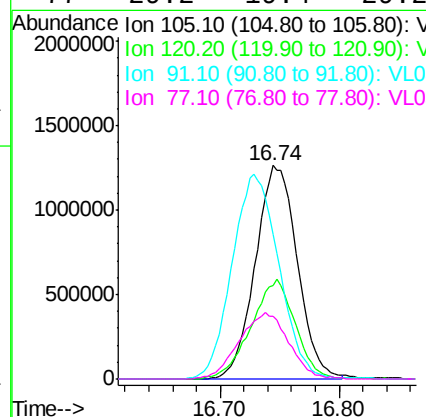
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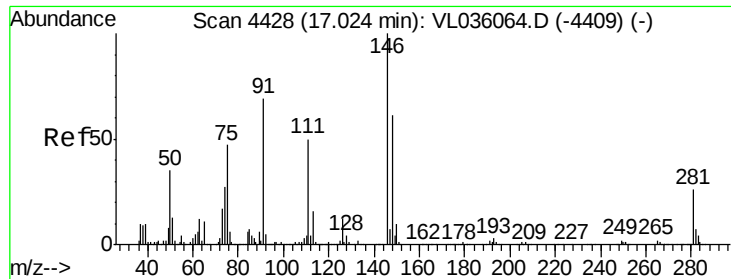
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#74
 1,2,4-Trimethylbenzene
 Concen: 10.094 ppbv
 RT: 16.74 min Scan# 4341
 Delta R.T. -0.05 min
 Lab File: VL036165.D
 Acq: 16 Dec 2020 13:19

Tgt Ion:105 Resp: 3078374
 Ion Ratio Lower Upper
 105 100
 120 43.3 37.4 56.0
 91 67.1 45.6 68.4
 77 29.2 19.4 29.2#





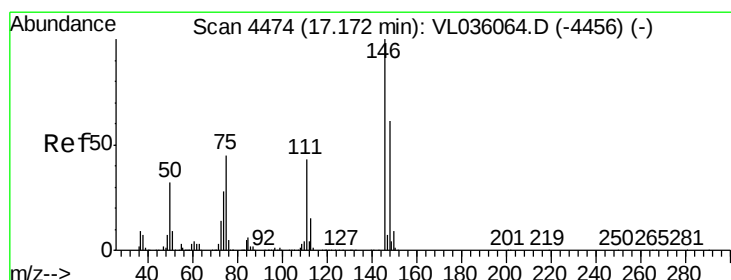
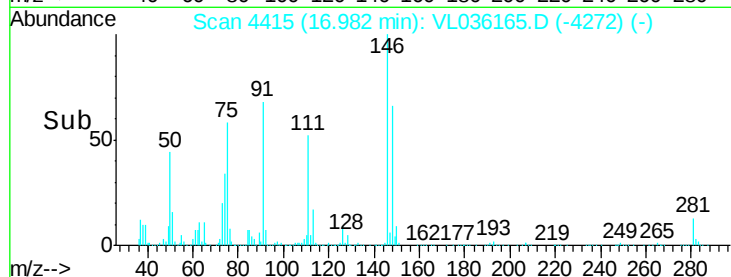
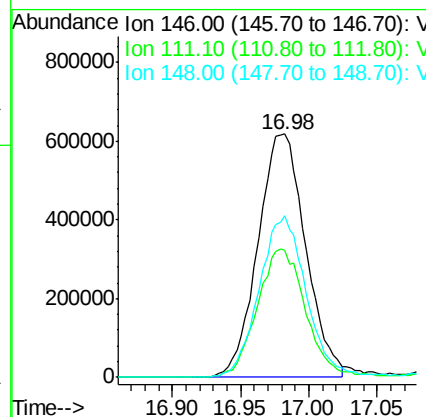
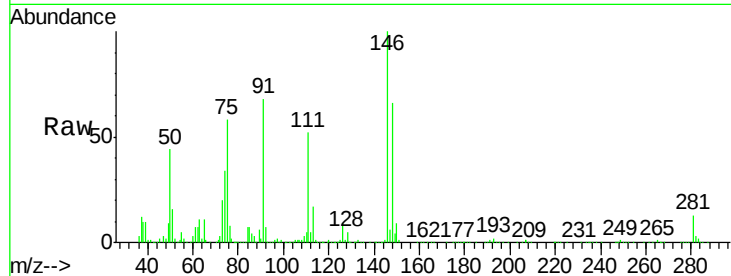
#75
 1,3-Dichlorobenzene
 Concen: 9.841 ppbv
 RT: 16.98 min Scan# 4415
 Delta R.T. -0.04 min
 Lab File: VL036165.D
 Acq: 16 Dec 2020 13:19

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1216ABS01

Tgt Ion:146 Resp: 1502333
 Ion Ratio Lower Upper
 146 100
 111 53.7 25.1 75.3
 148 65.7 32.9 98.6

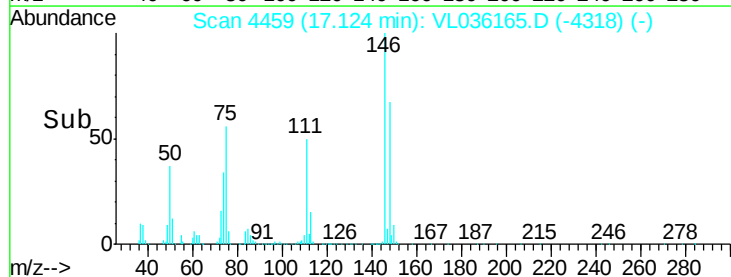
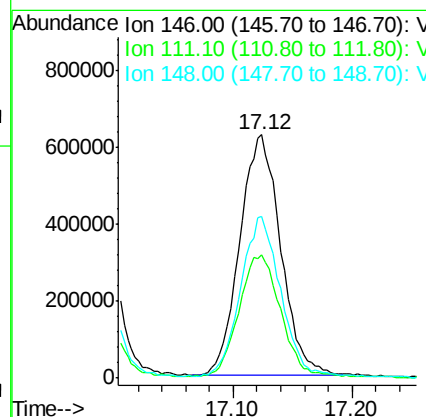
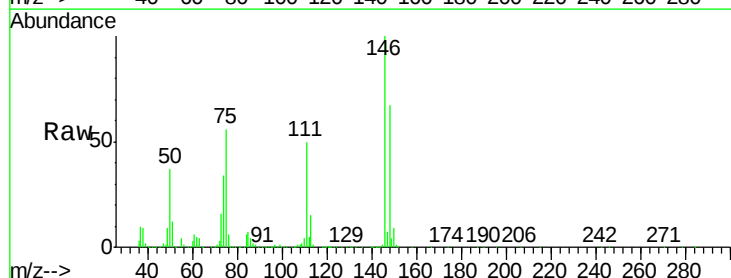
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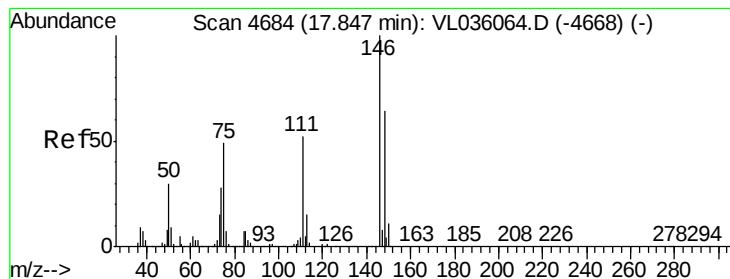
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#76
 1,4-Dichlorobenzene
 Concen: 9.595 ppbv
 RT: 17.12 min Scan# 4459
 Delta R.T. -0.05 min
 Lab File: VL036165.D
 Acq: 16 Dec 2020 13:19

Tgt Ion:146 Resp: 1491285
 Ion Ratio Lower Upper
 146 100
 111 52.5 24.3 72.8
 148 67.5 32.8 98.3





#77

1,2-Dichlorobenzene

Concen: 9.978 ppbv

RT: 17.80 min Scan# 4669

Delta R.T. -0.05 min

Lab File: VL036165.D

Acq: 16 Dec 2020 13:19

Instrument :

MSVOA_L

ClientSampleId :

VL1216ABS01

Tgt Ion:146 Resp: 1454330

Ion Ratio Lower Upper

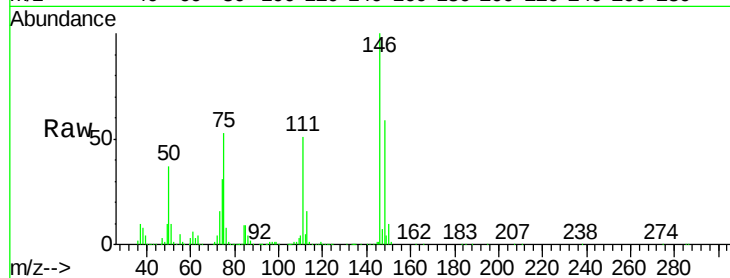
146 100

111 55.1 26.1 78.2

148 64.6 33.1 99.5

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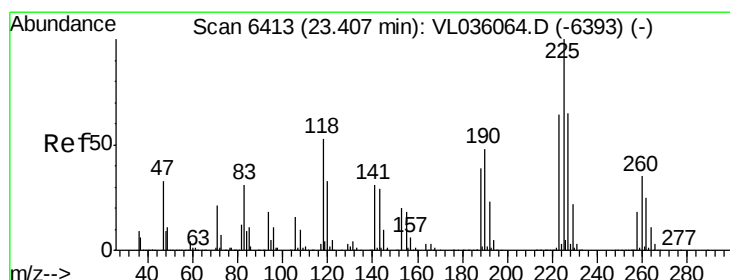
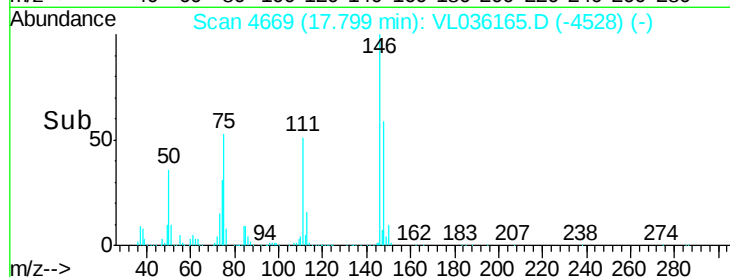
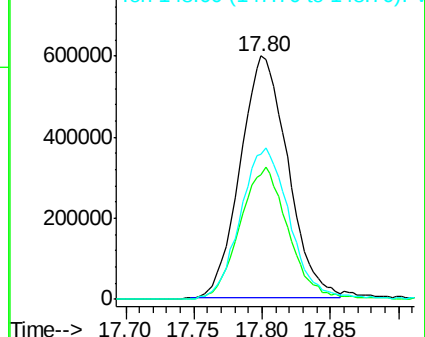


Abundance

Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V



#78

Hexachloro-1,3-Butadiene

Concen: 7.535 ppbv

RT: 23.36 min Scan# 6399

Delta R.T. -0.04 min

Lab File: VL036165.D

Acq: 16 Dec 2020 13:19

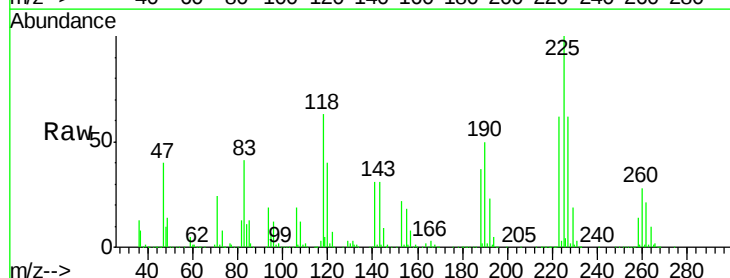
Tgt Ion:225 Resp: 880296

Ion Ratio Lower Upper

225 100

223 64.0 51.1 76.7

227 64.8 51.7 77.5

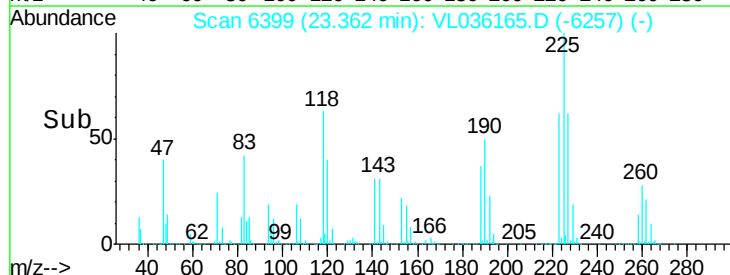
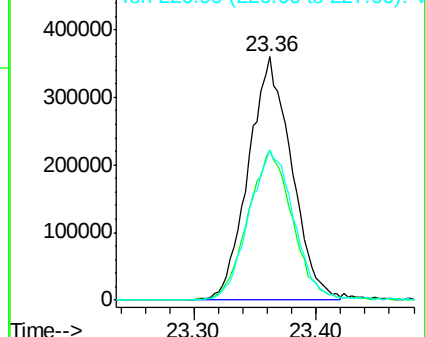


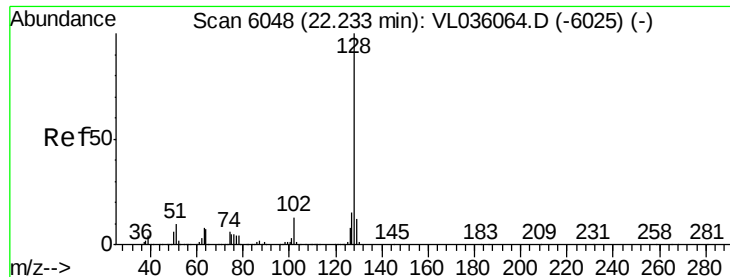
Abundance

Ion 224.90 (224.60 to 225.60): V

Ion 222.90 (222.60 to 223.60): V

Ion 226.90 (226.60 to 227.60): V





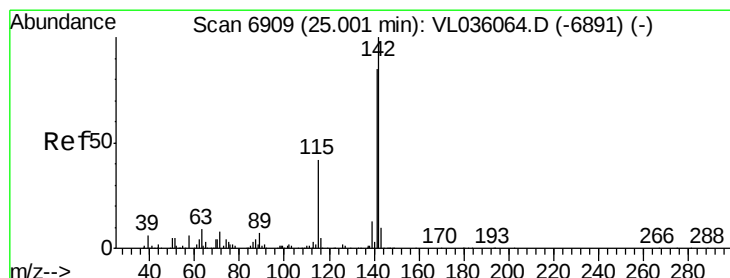
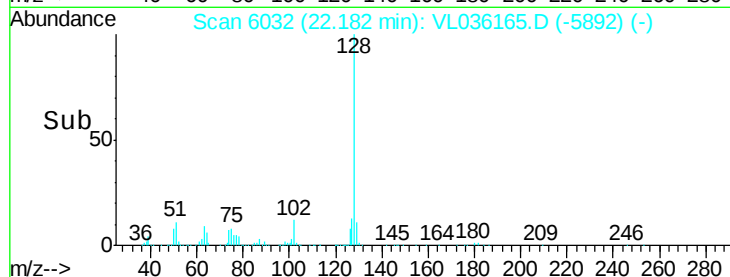
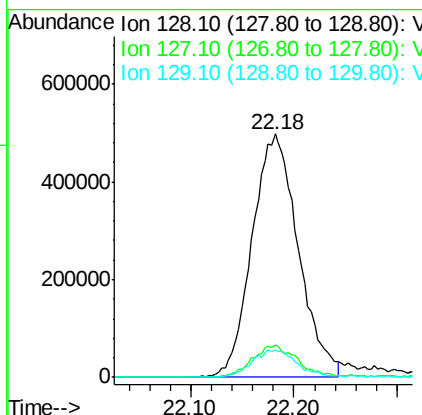
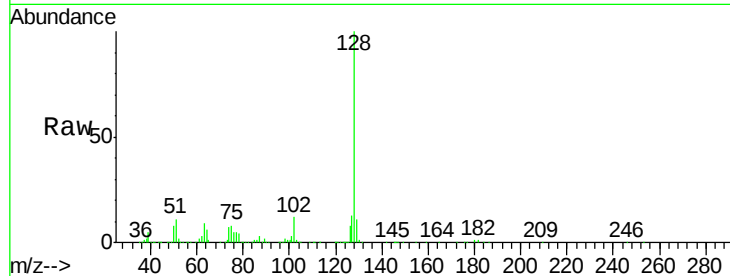
#79
Naphthalene
Concen: 9.986 ppbv
RT: 22.18 min Scan# 6032
Delta R.T. -0.05 min
Lab File: VL036165.D
Acq: 16 Dec 2020 13:19

Instrument :
MSVOA_L
ClientSampleId :
VL1216ABS01

Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.2	11.7	17.5
129	11.4	9.3	13.9

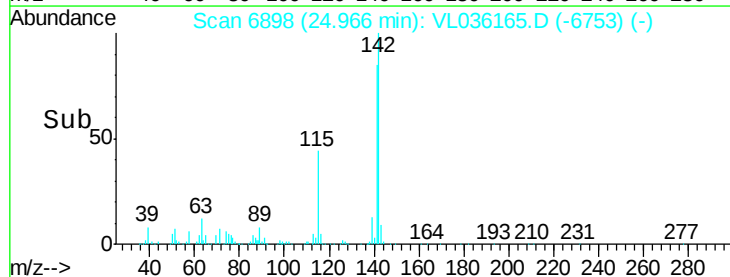
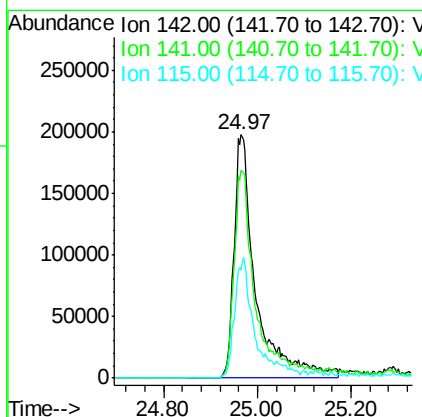
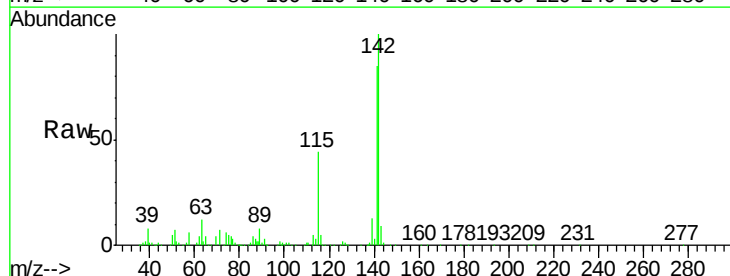
Manual Integrations
APPROVED

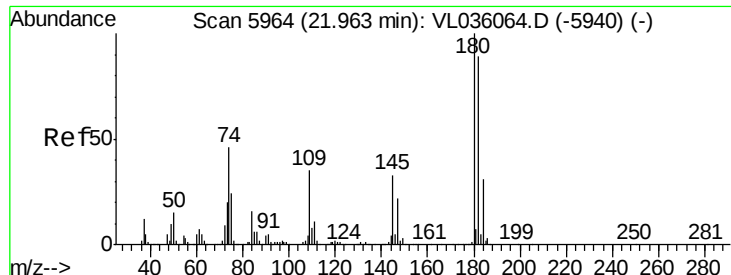
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#80
Naphthalene, 2-methyl-
Concen: 18.408 ppbv
RT: 24.97 min Scan# 6898
Delta R.T. -0.04 min
Lab File: VL036165.D
Acq: 16 Dec 2020 13:19

Tgt Ion	Ratio	Lower	Upper
142	100		
141	84.0	64.3	96.5
115	46.4	33.9	50.9





#81
 1,2,4-Trichlorobenzene
 Concen: 8.764 ppbv
 RT: 21.91 min Scan# 5948
 Delta R.T. -0.05 min
 Lab File: VL036165.D
 Acq: 16 Dec 2020 13:19

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1216ABS01

Tgt Ion	Ratio	Resp Lower	Resp Upper
180	100		
182	99.2	0.0	0.0#
184	29.9	0.0	0.0#

Manual Integrations
 APPROVED

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