

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL120820\
 Data File : VL036099.D
 Acq On : 8 Dec 2020 17:13
 Operator : SY/AP
 Sample : VL1208ABS01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1208ABS01

Manual Integrations
 APPROVED

MMDadoda
 12/11/2020 12:23:07 PM

Quant Time: Dec 09 07:34:09 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL120720AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Dec 0
 QLast Update : Mon Dec 07 16:56:49 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.68	49	1178970	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.19	114	2659574	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.10	117	2541598m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.44	95	2109133	10.45	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	104.50%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.05	85	1389968	10.117	ppbv	98
3) Chlorodifluoromethane	2.99	51	1480684	11.008	ppbv	99
4) Chloromethane	3.14	50	751723	11.383	ppbv	99
5) Vinyl Chloride	3.26	62	704907	9.594	ppbv	98
6) Bromomethane	3.48	94	361418	9.534	ppbv	90
7) Chloroethane	3.56	64	241693	9.657	ppbv	97
8) Dichlorotetrafluoroethane	3.19	85	1632535	10.691	ppbv	92
9) Propene	3.01	41	703936	10.447	ppbv	96
10) Heptane	8.14	43	1762690	10.242	ppbv	99
11) Trichlorofluoromethane	3.96	101	1712479	10.601	ppbv	96
12) 1,1,2-Trichlorotrifluoroet	4.49	101	1062779	9.688	ppbv	98
13) Ethanol	3.62	45	98837	10.640	ppbv	94
14) Bromoethene	3.74	108	467087	10.378	ppbv	97
15) Acetone	3.86	43	1498211	10.574	ppbv	97
16) 1,3-Butadiene	3.33	39	743270	10.415	ppbv	99
17) tert-Butyl alcohol	4.30	59	1095637	7.983	ppbv	99
18) 1,1-Dichloroethene	4.30	96	478828	9.830	ppbv	93
19) Isopropyl Alcohol	3.98	45	776034	8.961	ppbv #	100
20) Methylene Chloride	4.35	84	417364	7.188	ppbv	97
21) Allyl Chloride	4.42	41	898144	9.533	ppbv	96
22) trans-1,2-Dichloroethene	4.90	96	486251	9.971	ppbv	95
23) Vinyl Acetate	5.09	43	1885260	9.994	ppbv	98
24) 1,1-Dichloroethane	5.02	63	1336749	10.075	ppbv	98
25) Ethyl Acetate	5.69	43	2967449	10.483	ppbv	99
26) Hexane	5.70	57	1209103	9.491	ppbv	99
27) Carbon Disulfide	4.56	76	1226078	9.683	ppbv	97
28) Methyl tert-Butyl Ether	5.04	73	1705409	9.416	ppbv	100
29) Chloroform	5.77	83	1779966	10.639	ppbv	99
30) Cyclohexane	7.15	84	971036	10.376	ppbv	99
31) cis-1,2-Dichloroethene	5.56	61	1231319	10.632	ppbv	97
32) 1,1,1-Trichloroethane	6.53	97	1758009	10.184	ppbv	98
34) 2-Butanone	5.26	43	1838956	10.424	ppbv	100
35) Carbon Tetrachloride	7.03	117	1697447	10.945	ppbv	98
36) Benzene	6.91	78	2444599	10.846	ppbv	97
37) 1,2-Dichloroethane	6.32	62	1527380	11.695	ppbv	98
38) Trichloroethene	7.85	130	742557	8.813	ppbv	91
39) 1,2-Dichloropropane	7.63	63	993814	11.165	ppbv	99
40) 1,4-Dioxane	7.85	88	306012	10.930	ppbv #	29
41) Tetrahydrofuran	6.06	42	1130550	10.787	ppbv	100
42) Bromodichloromethane	7.81	83	2016679	11.588	ppbv	98
43) Methyl Methacrylate	8.03	69	1095541	11.330	ppbv	99

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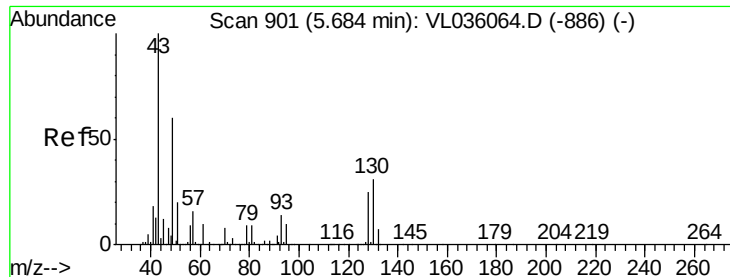
Manual Integrations
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 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Dec 0
 QLast Update : Mon Dec 07 16:56:49 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.89	57	4355567	10.670	ppbv	99
45) t-1,3-Dichloropropene	9.30	75	1152366	11.600	ppbv	98
46) cis-1,3-Dichloropropene	8.72	75	1411054	11.333	ppbv	95
47) 1,1,2-Trichloroethane	9.49	97	922436	10.772	ppbv	96
48) Dibromochloromethane	10.33	129	1440505	11.139	ppbv	99
49) Bromoform	13.07	173	1178092	11.575	ppbv	99
50) 4-Methyl-2-Pentanone	8.76	43	2941128	11.179	ppbv	100
51) 2-Hexanone	10.15	43	2409094	11.714	ppbv	99
52) Tetrachloroethene	11.24	164	746314	9.147	ppbv	96
53) Toluene	9.82	91	2738277	10.819	ppbv	99
54) 1,2-Dibromoethane	10.64	107	1391175	10.838	ppbv	93
56) 1,1,1,2-Tetrachloroethane	12.15	131	1082715	10.274	ppbv	96
57) Chlorobenzene	12.17	112	1838519	10.304	ppbv	96
58) Ethyl Benzene	12.73	91	3774176	10.836	ppbv	99
59) m/p-Xylene	13.02	91	6296341m	21.462	ppbv	
60) o-Xylene	13.72	91	2932890	10.611	ppbv	97
61) Styrene	13.55	104	2032093	11.451	ppbv	97
62) Isopropylbenzene	14.69	105	4251906	10.378	ppbv	98
63) 1,1,2,2-Tetrachloroethane	13.70	83	2011581	10.806	ppbv	100
64) n-propylbenzene	15.58	120	1044071	10.592	ppbv	89
65) tert-Butylbenzene	16.77	119	3499441	10.435	ppbv	94
66) Benzyl Chloride	17.01	91	1095874	13.124	ppbv	97
67) sec-Butylbenzene	17.32	105	5100984	10.868	ppbv	99
69) p-Isopropyltoluene	17.68	119	4025247	10.782	ppbv	97
70) n-Butylbenzene	18.58	91	4456083	12.077	ppbv	99
71) 2-Chlorotoluene	15.48	91	3492694	11.278	ppbv	96
72) 4-Ethyltoluene	15.86	105	3333395	11.133	ppbv	97
73) 1,3,5-Trimethylbenzene	16.02	105	3121178	10.915	ppbv	97
74) 1,2,4-Trimethylbenzene	16.79	105	3117056	10.859	ppbv	95
75) 1,3-Dichlorobenzene	17.02	146	1579718	10.994	ppbv	98
76) 1,4-Dichlorobenzene	17.16	146	1546118	10.569	ppbv	96
77) 1,2-Dichlorobenzene	17.84	146	1512834	11.027	ppbv	98
78) Hexachloro-1,3-Butadiene	23.40	225	904229	8.224	ppbv	100
79) Naphthalene	22.23	128	1693032m	11.603	ppbv	
80) Naphthalene, 2-methyl-	25.00	142	597008	18.298	ppbv	95
81) 1,2,4-Trichlorobenzene	21.96	180	902584	9.259	ppbv #	100

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.68 min Scan# 900

Delta R.T. -0.00 min

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VL1208ABS01

Tot Ion: 49 Resp: 1178970

Ion Ratio Lower Upper

49 100

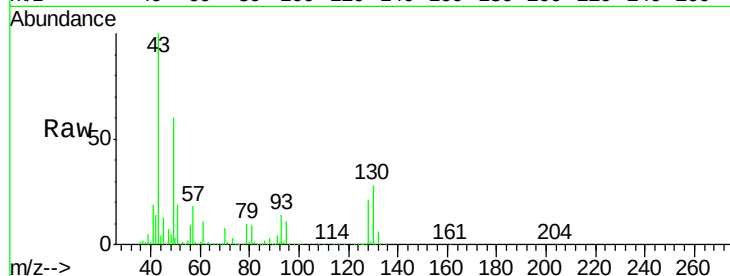
128 38.8 21.1 63.1

130 49.5 27.1 81.3

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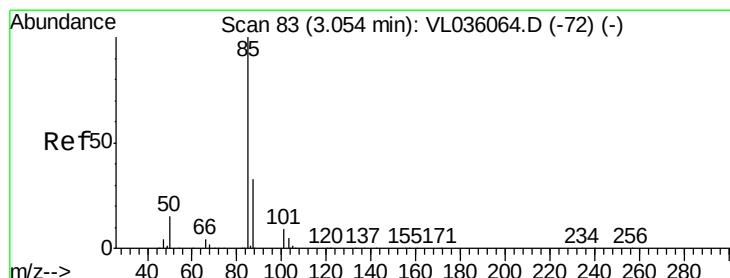
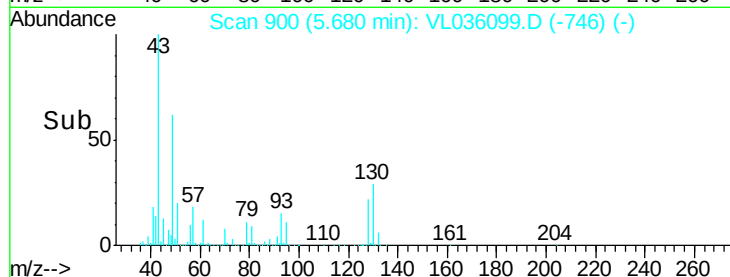
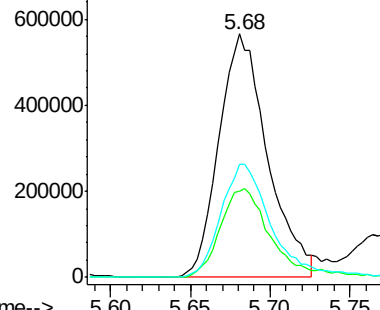
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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#2

Dichlorodifluoromethane

Concen: 10.117 ppbv

RT: 3.05 min Scan# 83

Delta R.T. -0.00 min

Lab File: VL036099.D

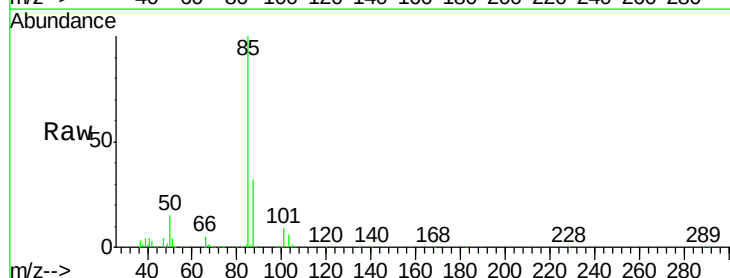
Acq: 8 Dec 2020 17:13

Tgt Ion: 85 Resp: 1389968

Ion Ratio Lower Upper

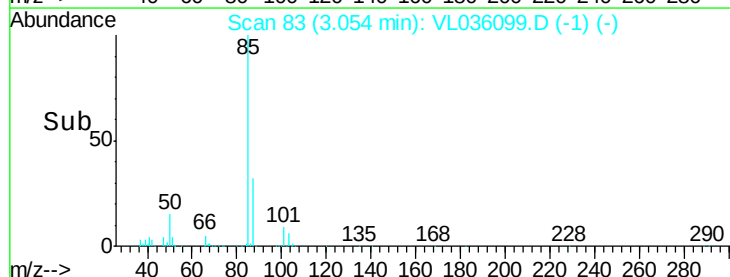
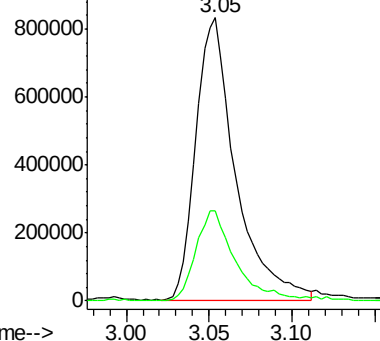
85 100

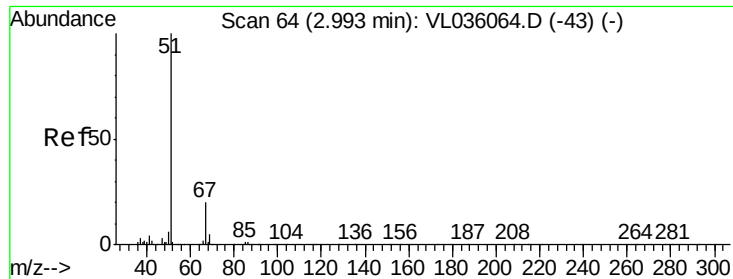
87 31.9 26.5 39.7



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 11.008 ppbv

RT: 2.99 min Scan# 64

Delta R.T. -0.00 min

Lab File: VL036099.D

Acq: 8 Dec 2020 17:13

Tot Ion: 51 Resp: 1480684

Ion Ratio Lower Upper

51 100

67 18.1 14.3 21.5

Instrument :

MSVOA_L

ClientSampleId :

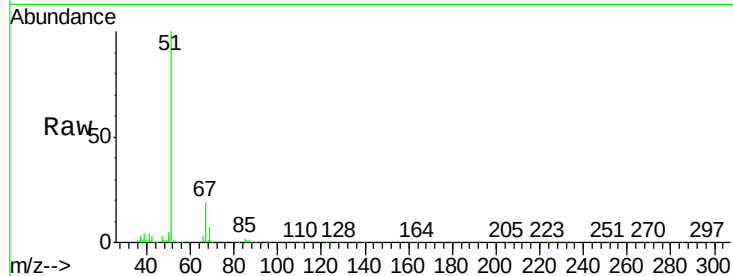
VL1208ABS01

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Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0

2.99

800000

600000

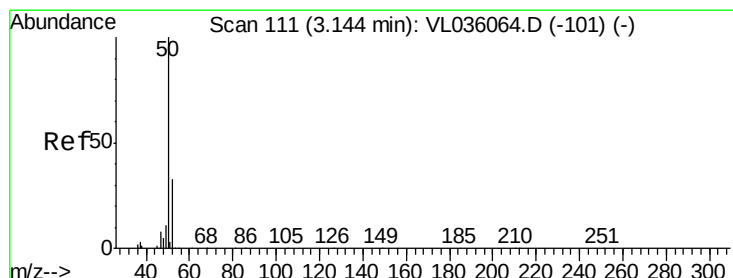
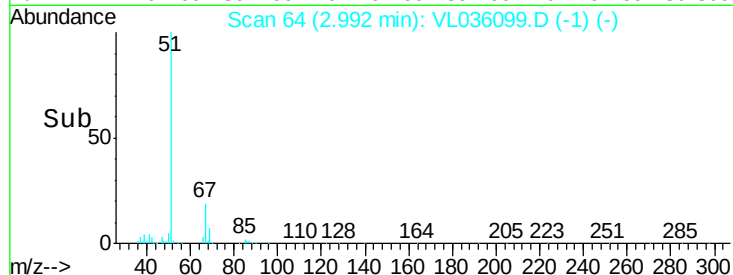
400000

200000

0

Time-->

2.90 3.00 3.10



#4

Chloromethane

Concen: 11.383 ppbv

RT: 3.14 min Scan# 111

Delta R.T. -0.00 min

Lab File: VL036099.D

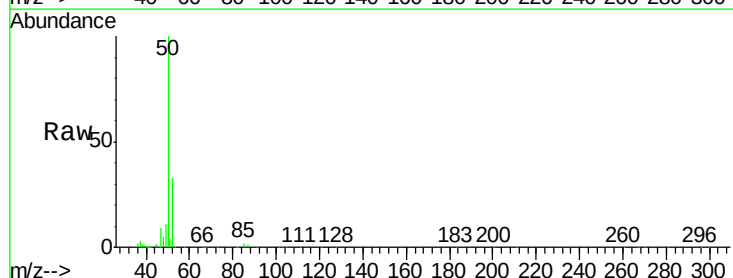
Acq: 8 Dec 2020 17:13

Tgt Ion: 50 Resp: 751723

Ion Ratio Lower Upper

50 100

52 33.1 26.1 39.1



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0

3.14

500000

400000

300000

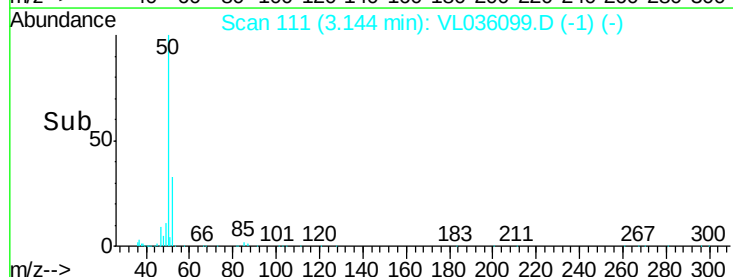
200000

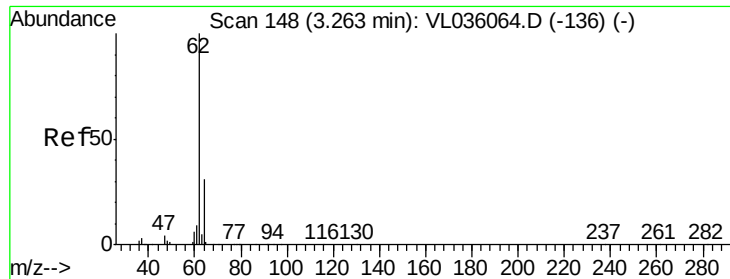
100000

0

Time-->

3.10 3.15





#5

Vinyl Chloride

Concen: 9.594 ppbv

RT: 3.26 min Scan# 148

Delta R.T. -0.00 min

Lab File: VL036099.D

Acq: 8 Dec 2020 17:13

Instrument :

MSVOA_L

ClientSampleId :

VL1208ABS01

Tot Ion: 62 Resp: 704907

Ion Ratio Lower Upper

62 100

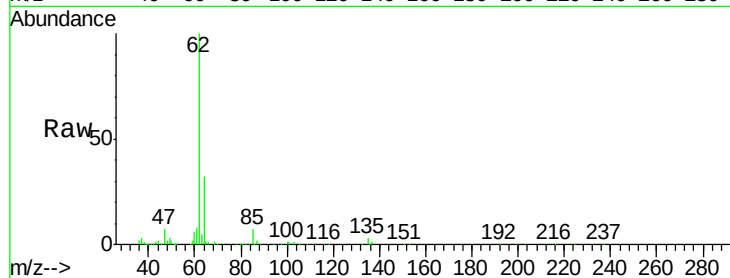
64 31.7 24.5 36.7

Manual Integrations

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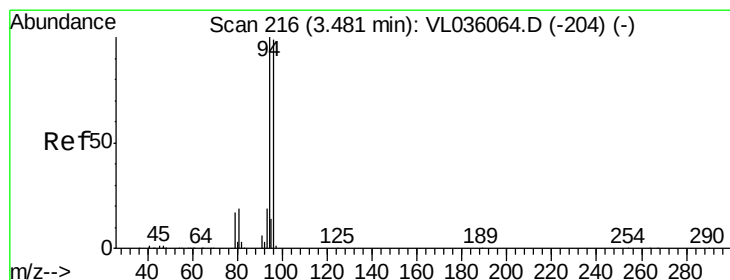
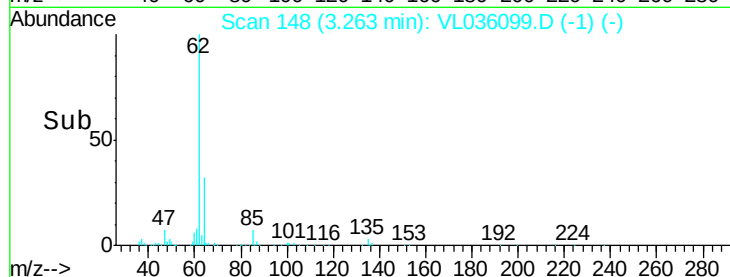
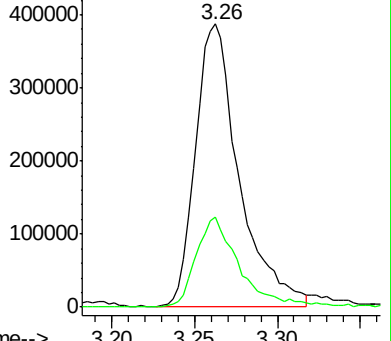
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Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 9.534 ppbv

RT: 3.48 min Scan# 215

Delta R.T. -0.00 min

Lab File: VL036099.D

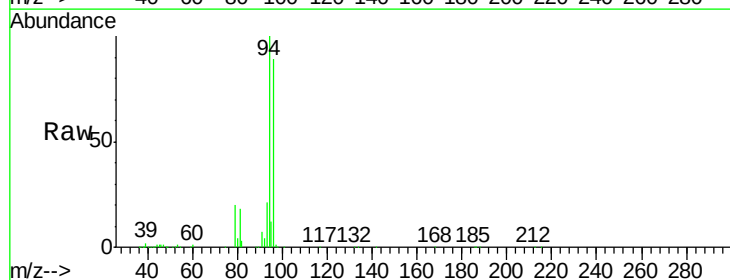
Acq: 8 Dec 2020 17:13

Tgt Ion: 94 Resp: 361418

Ion Ratio Lower Upper

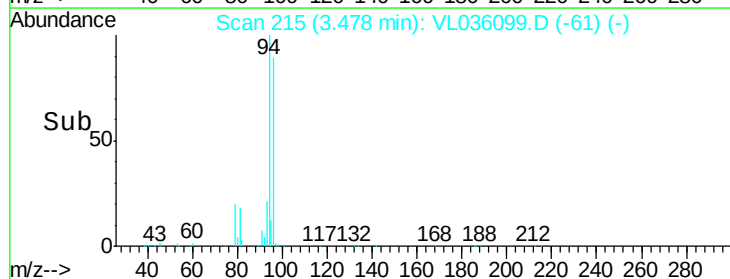
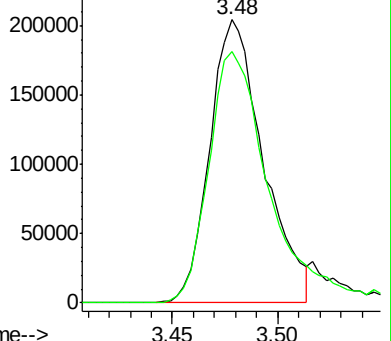
94 100

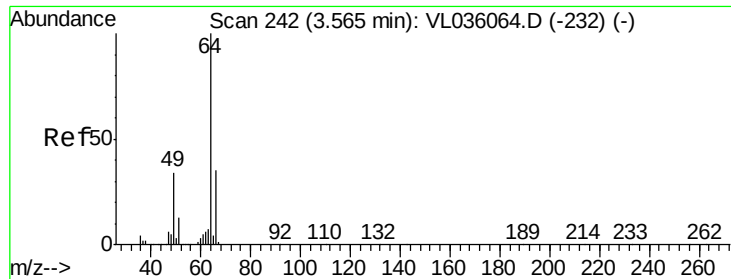
96 88.8 79.4 119.0



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 9.657 ppbv

RT: 3.56 min Scan# 241

Delta R.T. -0.00 min

Lab File: VL036099.D

Acq: 8 Dec 2020 17:13

Instrument :

MSVOA_L

ClientSampleId :

VL1208ABS01

Tot Ion: 64 Resp: 241693

Ion Ratio Lower Upper

64 100

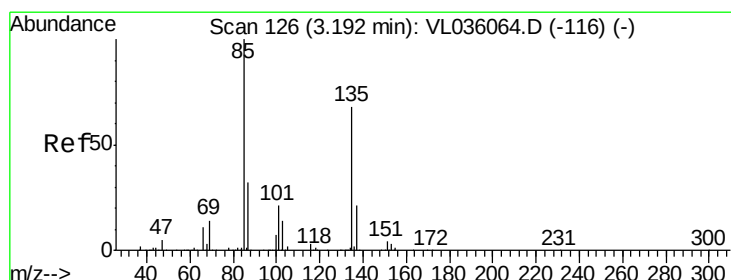
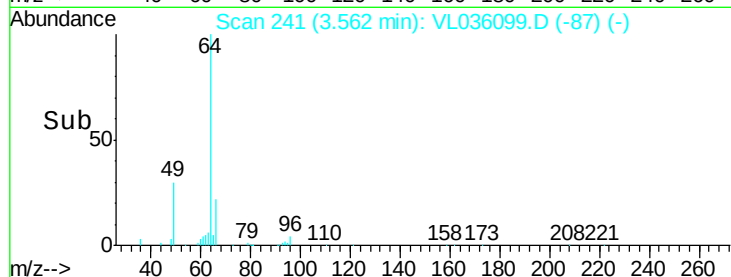
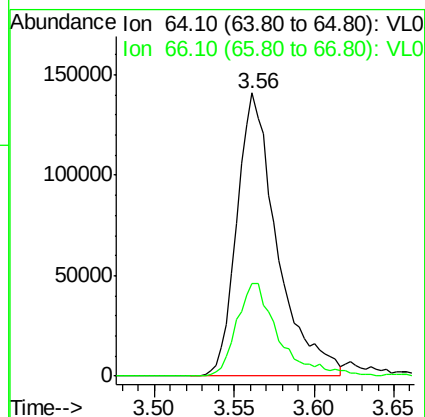
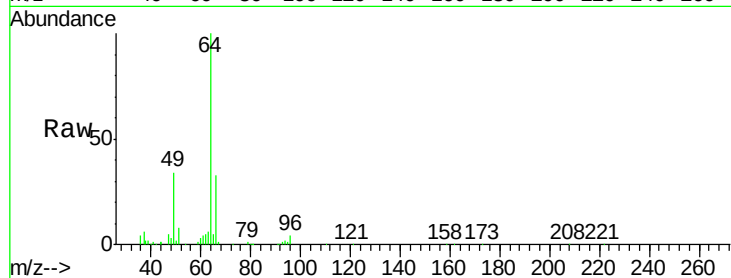
66 32.9 27.7 41.5

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#8

Dichlorotetrafluoroethane

Concen: 10.691 ppbv

RT: 3.19 min Scan# 126

Delta R.T. -0.00 min

Lab File: VL036099.D

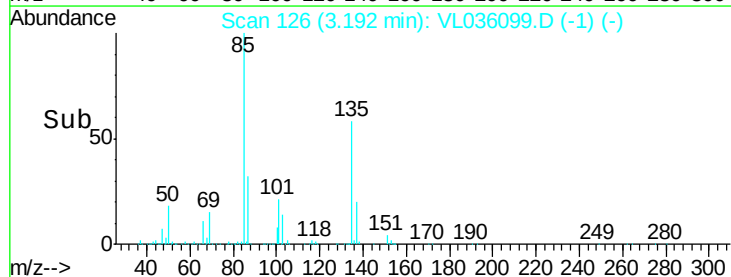
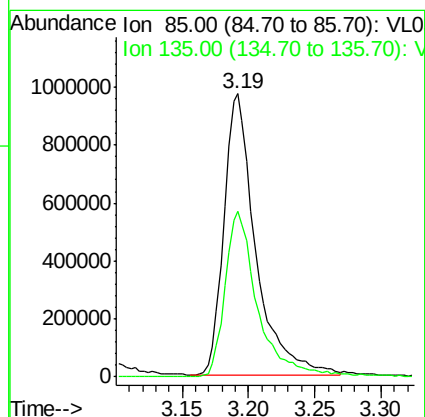
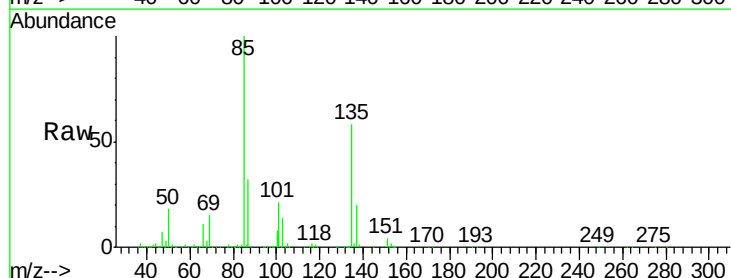
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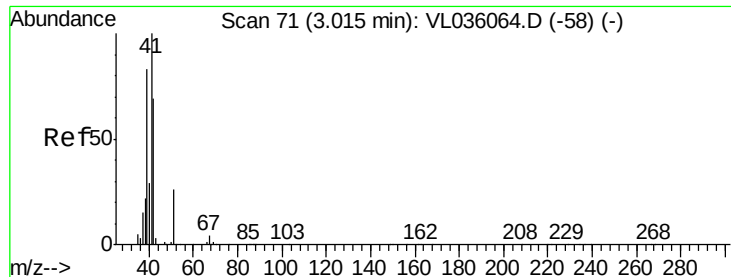
Tgt Ion: 85 Resp: 1632535

Ion Ratio Lower Upper

85 100

135 60.7 53.8 80.8





#9

Propene

Concen: 10.447 ppbv

RT: 3.01 min Scan# 70

Delta R.T. -0.00 min

Lab File: VL036099.D

Acq: 8 Dec 2020 17:13

Instrument :

MSVOA_L

ClientSampleId :

VL1208ABS01

Tot Ion: 41 Resp: 703936

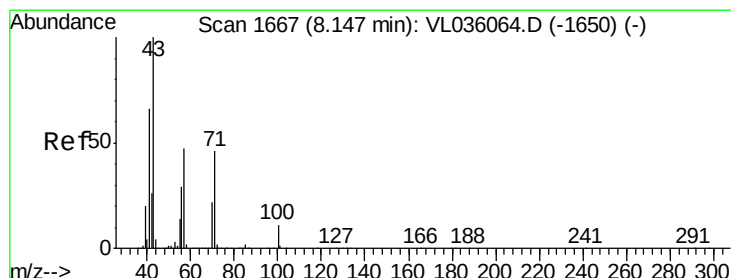
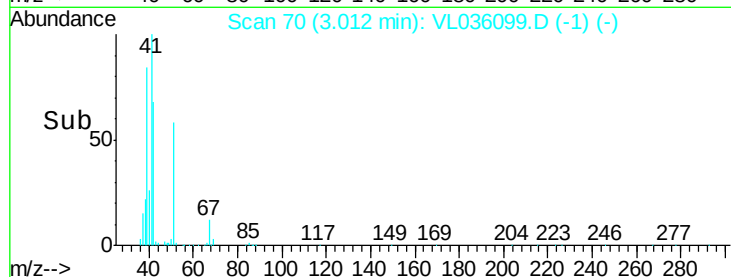
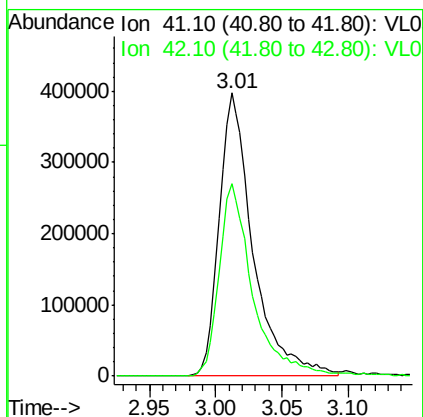
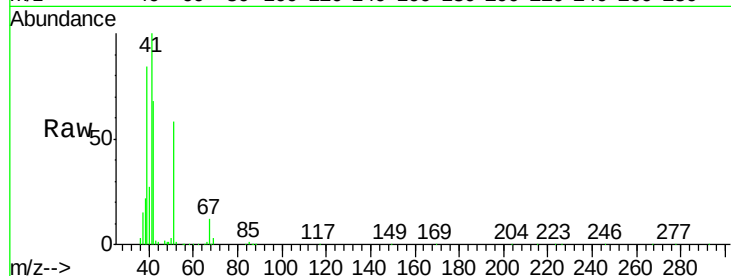
Ion Ratio Lower Upper

41 100

42 68.2 57.0 85.6

Manual Integrations
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#10

Heptane

Concen: 10.242 ppbv

RT: 8.14 min Scan# 1665

Delta R.T. -0.01 min

Lab File: VL036099.D

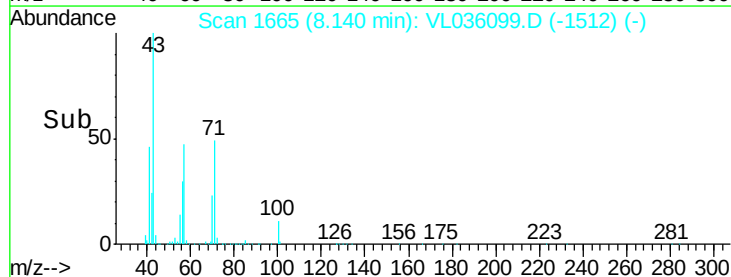
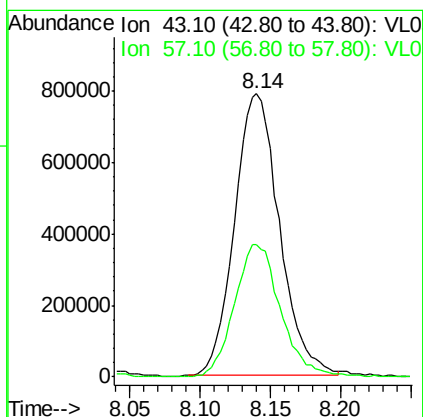
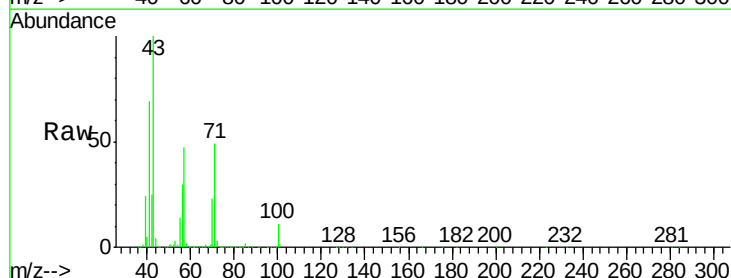
Acq: 8 Dec 2020 17:13

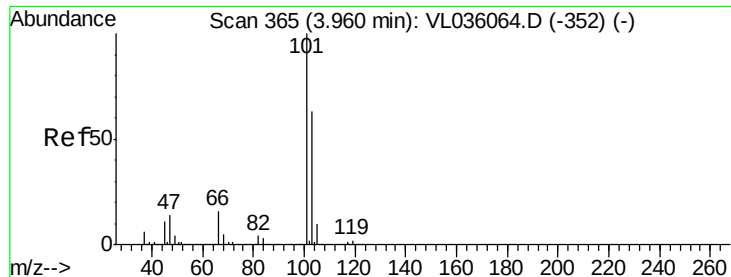
Tgt Ion: 43 Resp: 1762690

Ion Ratio Lower Upper

43 100

57 48.3 37.9 56.9





#11

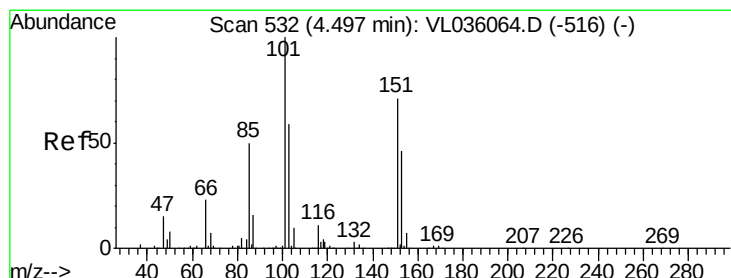
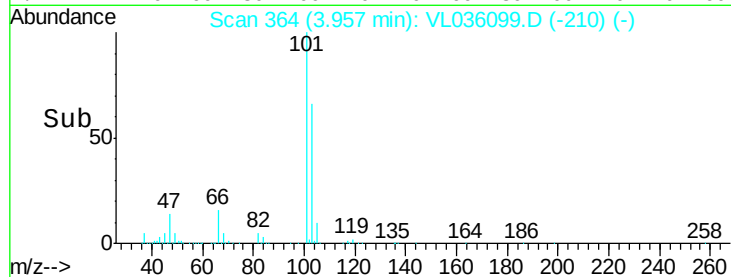
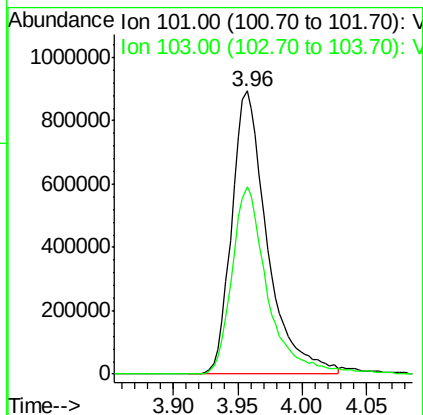
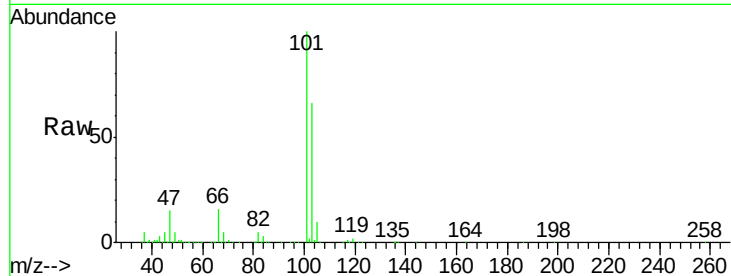
Trichlorofluoromethane
Concen: 10.601 ppbv
RT: 3.96 min Scan# 364
Delta R.T. -0.00 min
Lab File: VL036099.D
Acq: 8 Dec 2020 17:13

Instrument :
MSVOA_L
ClientSampleId :
VL1208ABS01

Tot Ion:101 Resp: 1712479
Ion Ratio Lower Upper
101 100
103 66.3 50.3 75.5

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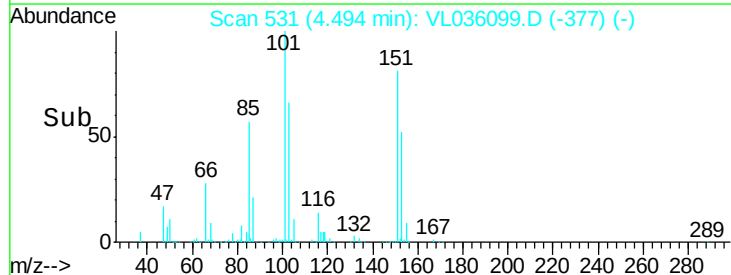
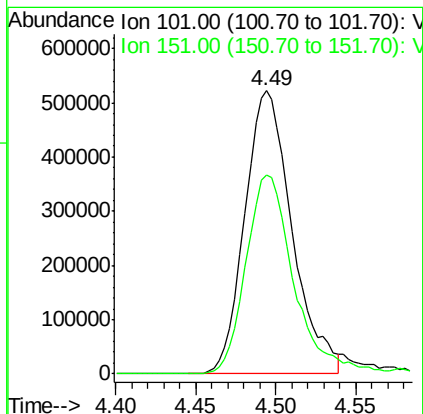
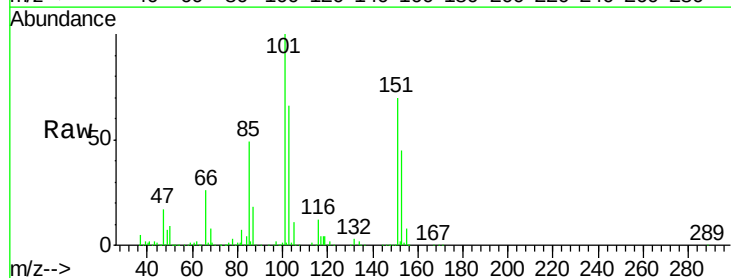
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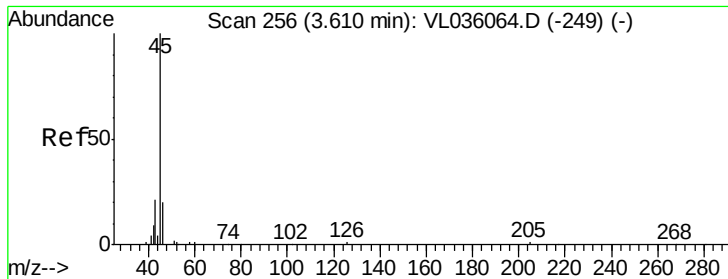


#12

1,1,2-Trichlorotrifluoroethane
Concen: 9.688 ppbv
RT: 4.49 min Scan# 531
Delta R.T. -0.00 min
Lab File: VL036099.D
Acq: 8 Dec 2020 17:13

Tgt Ion:101 Resp: 1062779
Ion Ratio Lower Upper
101 100
151 72.6 59.3 88.9





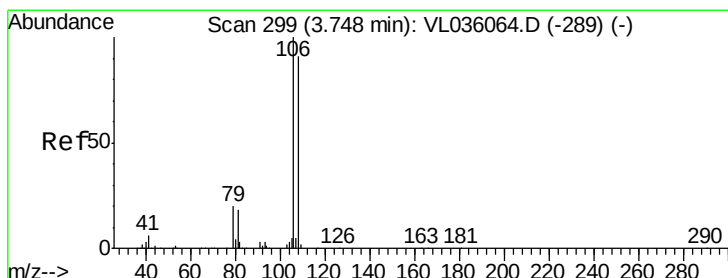
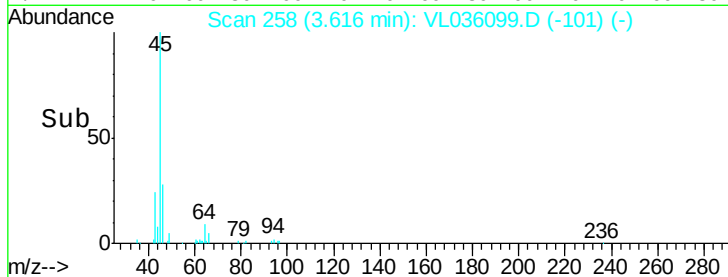
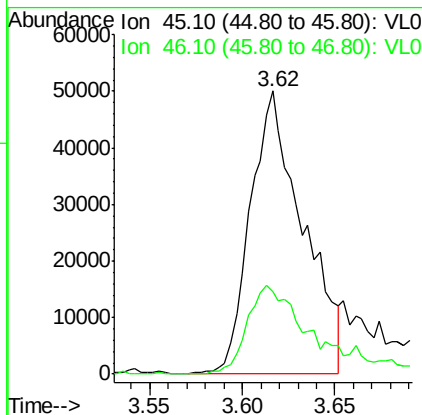
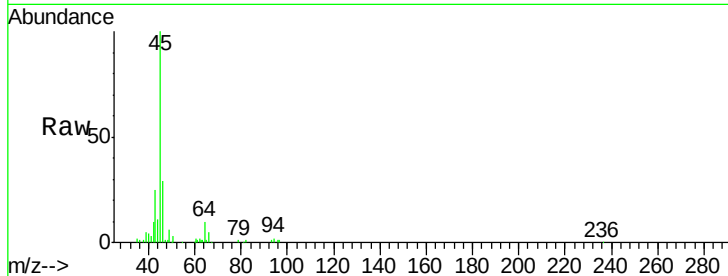
#13
Ethanol
Concen: 10.640 ppbv
RT: 3.62 min Scan# 258
Delta R.T. 0.01 min
Lab File: VL036099.D
Acq: 8 Dec 2020 17:13

Instrument :
MSVOA_L
ClientSampleId :
VL1208ABS01

Tot Ion	Ion	Ratio	Lower	Upper
45	100			
46	43.4	19.0	75.8	

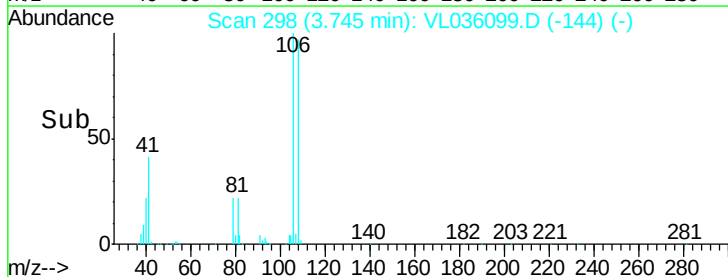
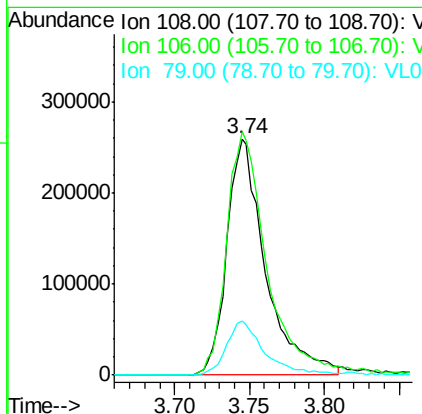
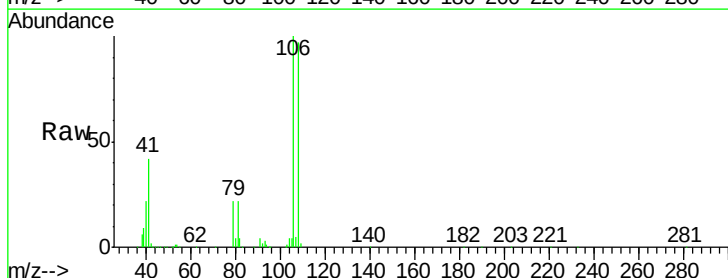
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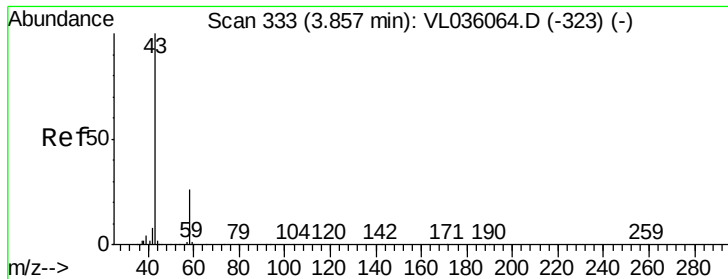
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#14
Bromoethene
Concen: 10.378 ppbv
RT: 3.74 min Scan# 298
Delta R.T. -0.00 min
Lab File: VL036099.D
Acq: 8 Dec 2020 17:13

Tgt Ion	Ion	Ratio	Lower	Upper
108	100			
106	109.3	91.0	136.4	
79	23.8	19.3	28.9	





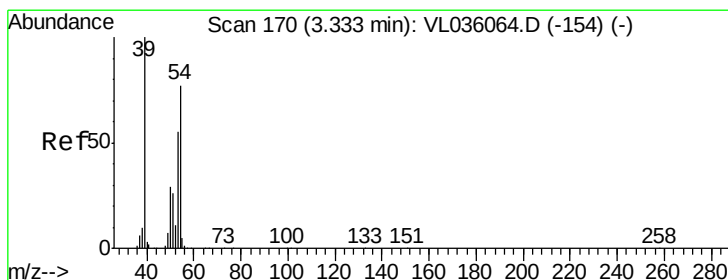
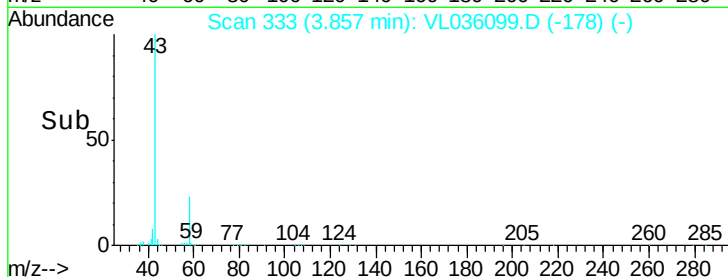
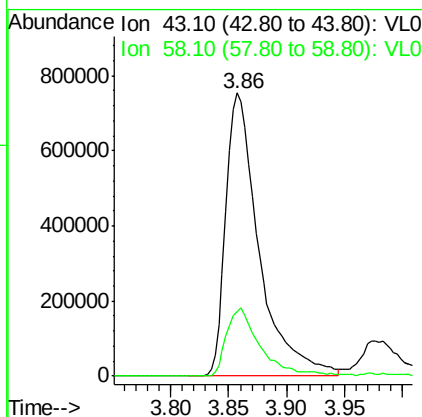
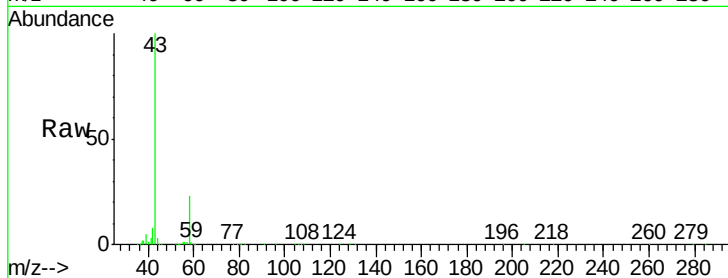
#15
Acetone
Concen: 10.574 ppbv
RT: 3.86 min Scan# 333
Delta R.T. -0.00 min
Lab File: VL036099.D
Acq: 8 Dec 2020 17:13

Instrument :
MSVOA_L
ClientSampleId :
VL1208ABS01

Tot Ion: 43 Resp: 1498211
Ion Ratio Lower Upper
43 100
58 24.4 20.9 31.3

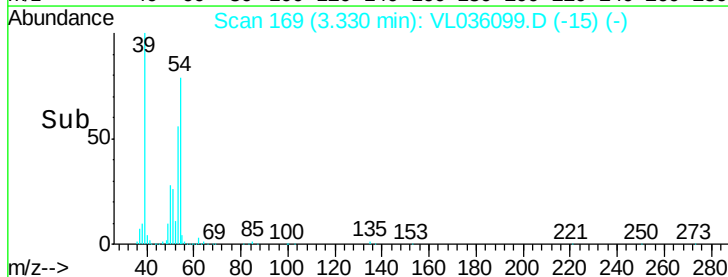
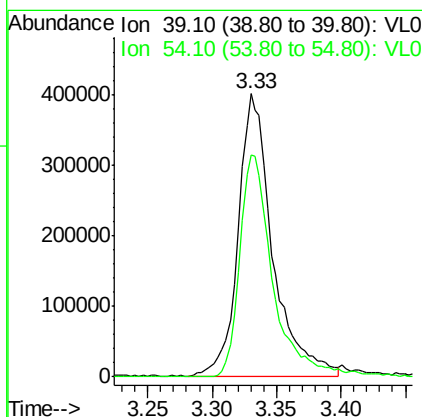
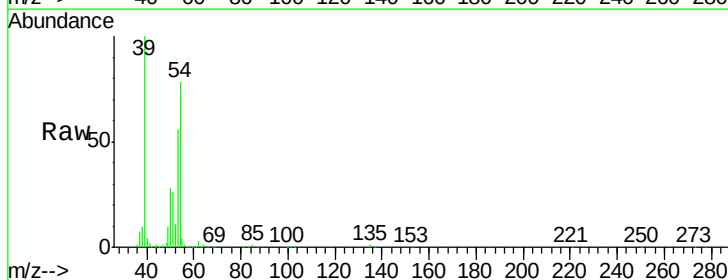
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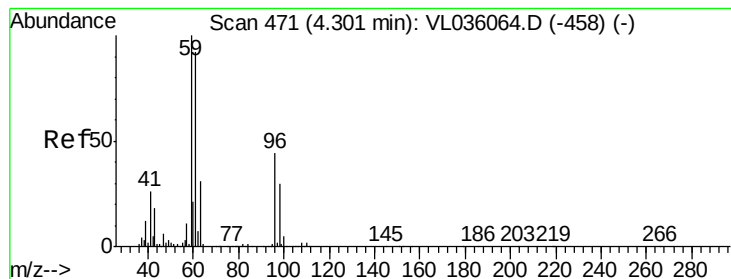
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#16
1,3-Butadiene
Concen: 10.415 ppbv
RT: 3.33 min Scan# 169
Delta R.T. -0.00 min
Lab File: VL036099.D
Acq: 8 Dec 2020 17:13

Tgt Ion: 39 Resp: 743270
Ion Ratio Lower Upper
39 100
54 76.7 62.1 93.1





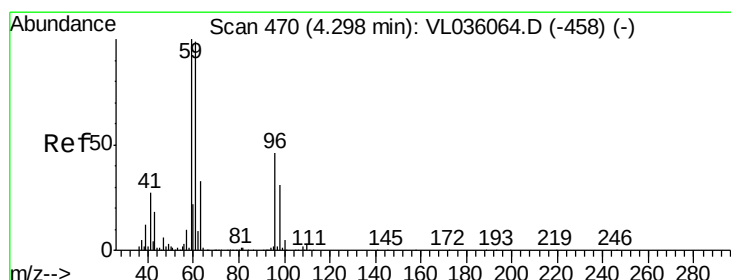
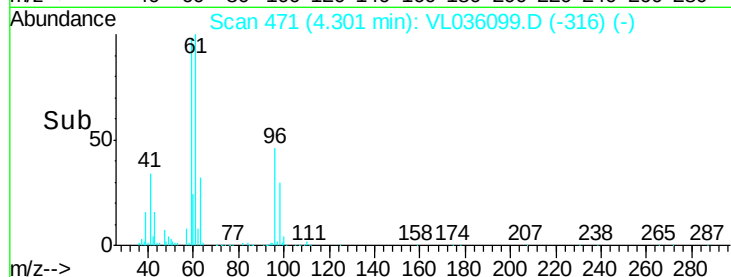
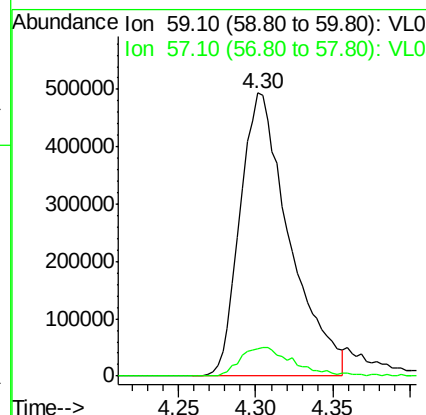
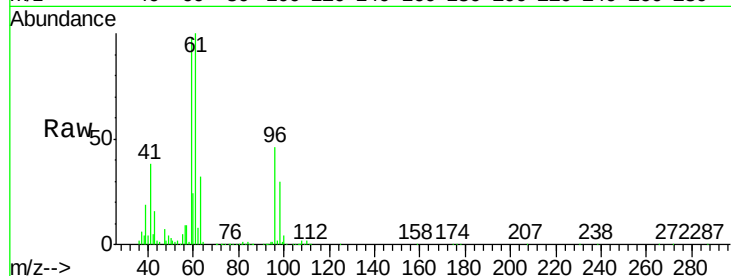
#17
tert-Butyl alcohol
Concen: 7.983 ppbv
RT: 4.30 min Scan# 471
Delta R.T. -0.00 min
Lab File: VL036099.D
Acq: 8 Dec 2020 17:13

Instrument :
MSVOA_L
ClientSampleId :
VL1208ABS01

Tot Ion: 59 Resp: 1095637
Ion Ratio Lower Upper
59 100
57 11.4 8.7 13.1

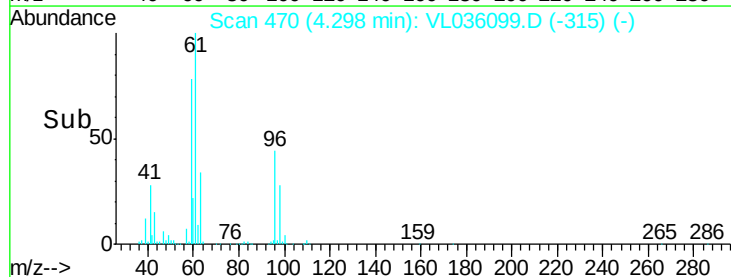
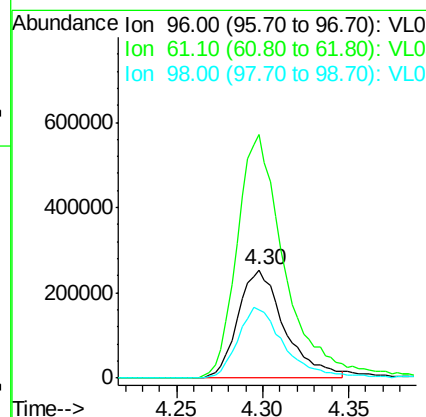
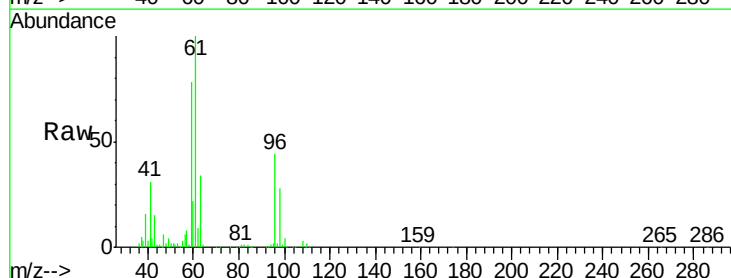
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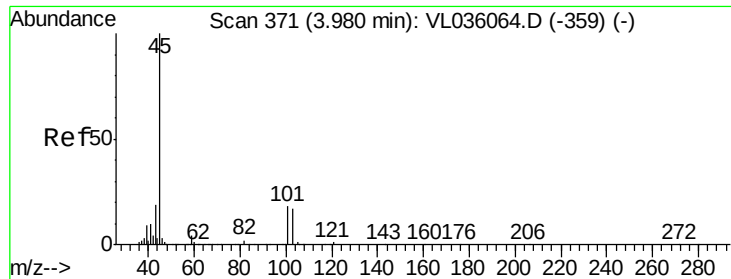
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#18
1,1-Dichloroethene
Concen: 9.830 ppbv
RT: 4.30 min Scan# 470
Delta R.T. -0.00 min
Lab File: VL036099.D
Acq: 8 Dec 2020 17:13

Tgt Ion: 96 Resp: 478828
Ion Ratio Lower Upper
96 100
61 224.7 171.4 257.2
98 62.5 54.2 81.2





#19

Isopropyl Alcohol

Concen: 8.961 ppbv

RT: 3.98 min Scan# 370

Delta R.T. -0.00 min

Lab File: VL036099.D

Acq: 8 Dec 2020 17:13

Instrument :

MSVOA_L

ClientSampleId :

VL1208ABS01

Tot Ion: 45 Resp: 776034

Ion Ratio Lower Upper

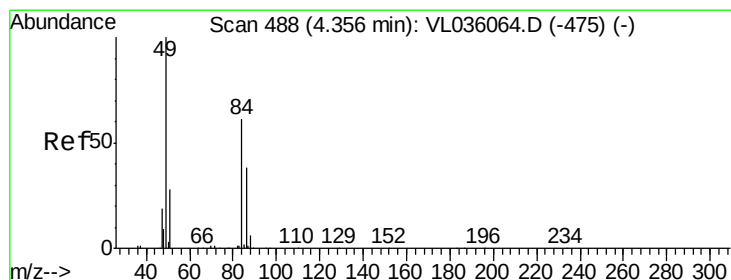
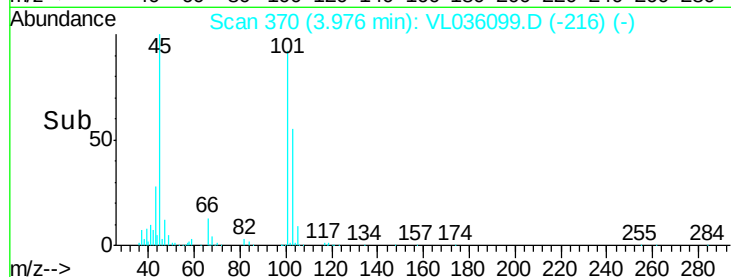
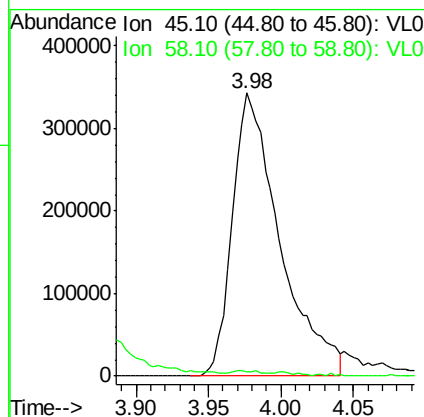
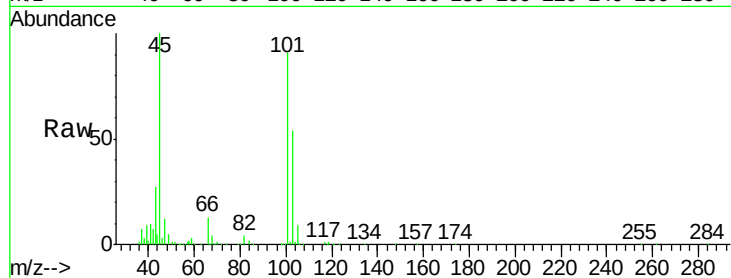
45 100

58 2.0 0.0 0.0#

Manual Integrations
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#20

Methylene Chloride

Concen: 7.188 ppbv

RT: 4.35 min Scan# 486

Delta R.T. -0.01 min

Lab File: VL036099.D

Acq: 8 Dec 2020 17:13

Tgt Ion: 84 Resp: 417364

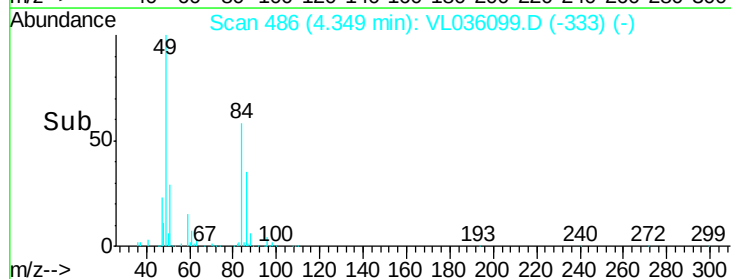
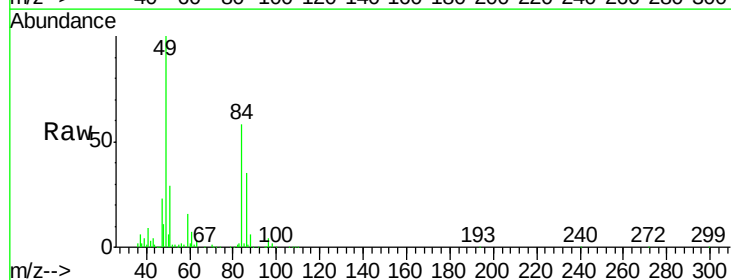
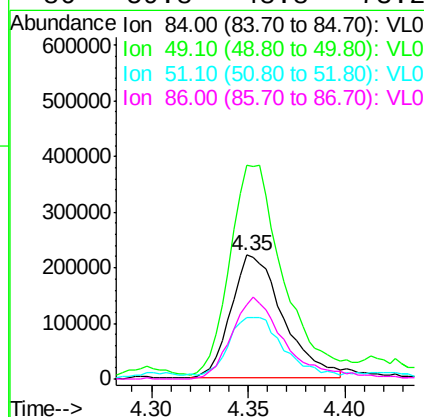
Ion Ratio Lower Upper

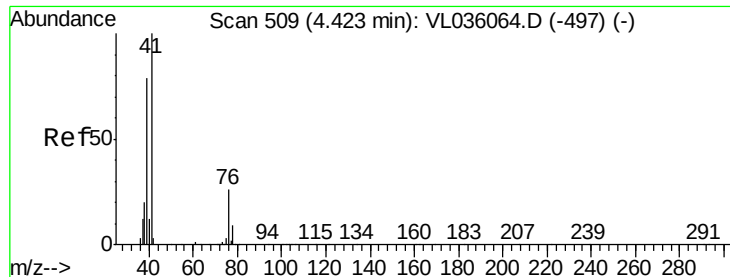
84 100

49 170.6 133.0 199.4

51 46.2 38.9 58.3

86 59.8 48.8 73.2





#21

Allvl Chloride

Concen: 9.533 ppbv

RT: 4.42 min Scan# 508

Delta R.T. -0.00 min

Lab File: VL036099.D

Acq: 8 Dec 2020 17:13

Instrument :

MSVOA_L

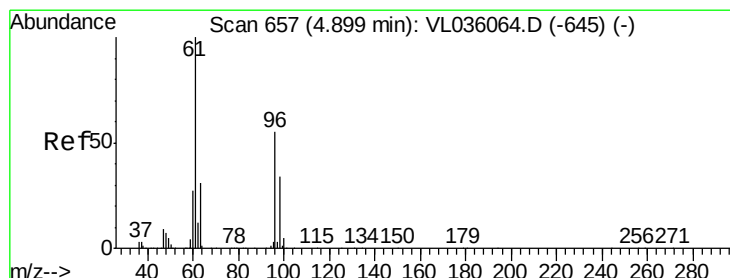
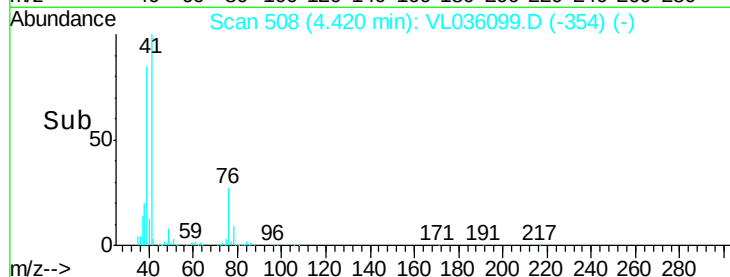
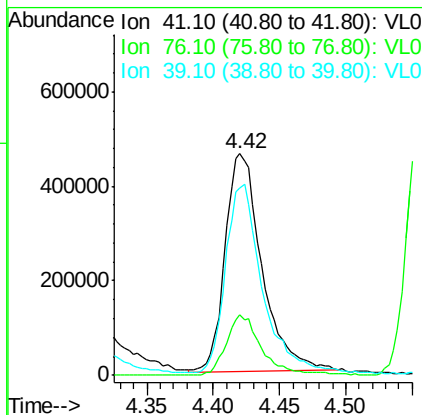
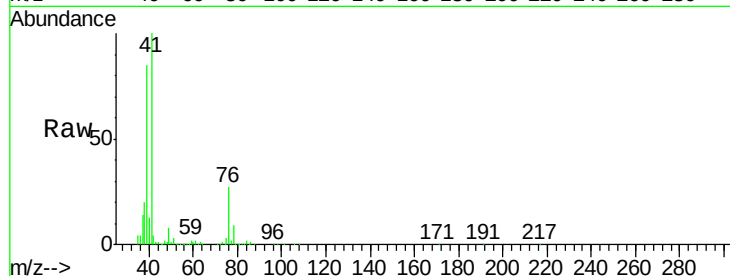
ClientSampleId :

VL1208ABS01

Tot Ion:	41	Resp:	898144
Ion Ratio		Lower	Upper
41	100		
76	26.8	21.0	31.4
39	87.3	66.0	99.0

Manual Integrations
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#22

trans-1,2-Dichloroethene

Concen: 9.971 ppbv

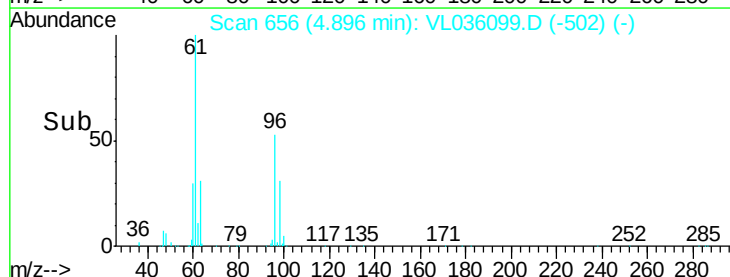
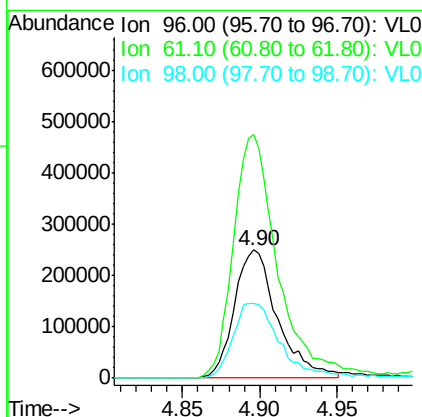
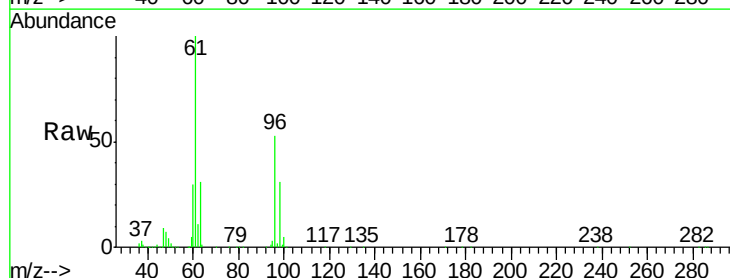
RT: 4.90 min Scan# 656

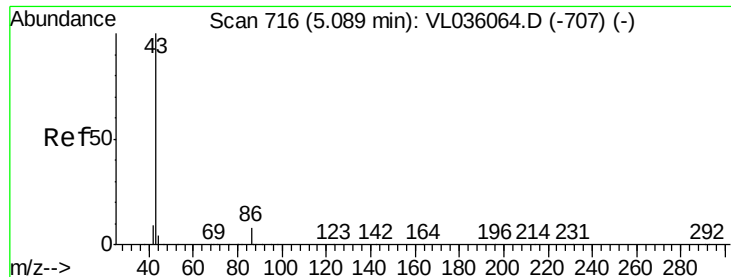
Delta R.T. -0.00 min

Lab File: VL036099.D

Acq: 8 Dec 2020 17:13

Tgt Ion:	96	Resp:	486251
Ion Ratio		Lower	Upper
96	100		
61	189.8	145.7	218.5
98	57.9	49.2	73.8





#23

Vinyl Acetate

Concen: 9.994 ppbv

RT: 5.09 min Scan# 715

Delta R.T. -0.00 min

Lab File: VL036099.D

Acq: 8 Dec 2020 17:13

Instrument :

MSVOA_L

ClientSampleId :

VL1208ABS01

Tot Ion: 43 Resp: 1885260

Ion Ratio Lower Upper

43 100

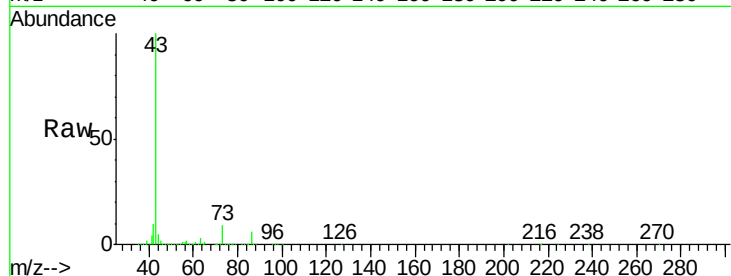
86 5.6 5.0 7.4

42 10.3 7.8 11.6

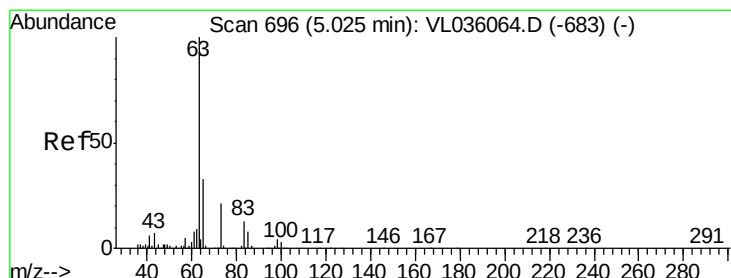
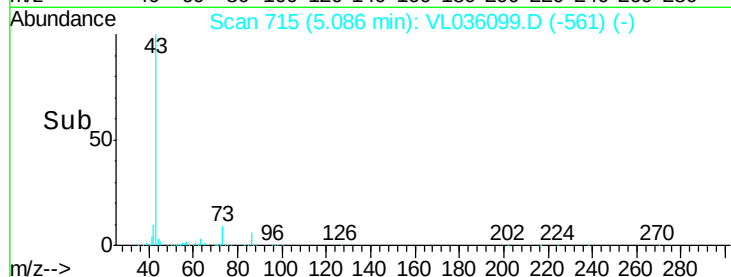
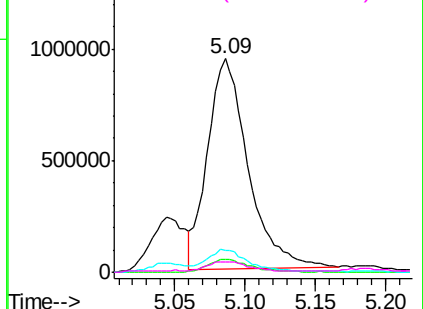
44 4.6 3.2 4.8

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Abundance Ion 43.10 (42.80 to 43.80): VL0
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: 10.075 ppbv

RT: 5.02 min Scan# 696

Delta R.T. -0.00 min

Lab File: VL036099.D

Acq: 8 Dec 2020 17:13

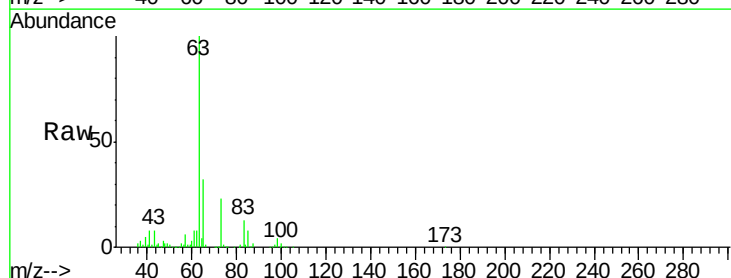
Tgt Ion: 63 Resp: 1336749

Ion Ratio Lower Upper

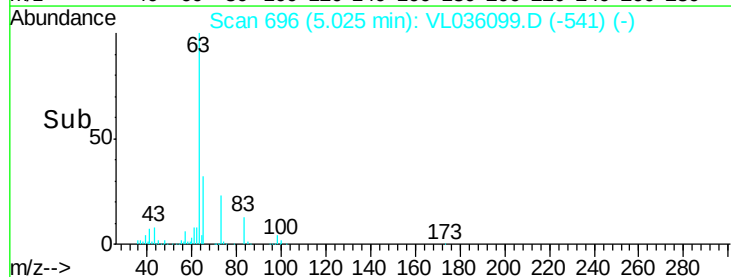
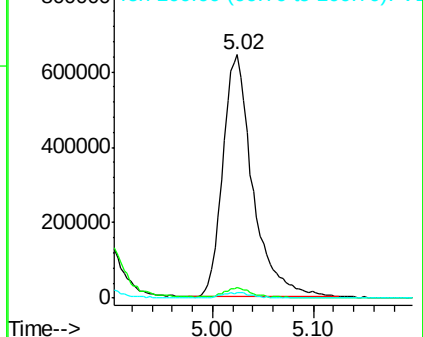
63 100

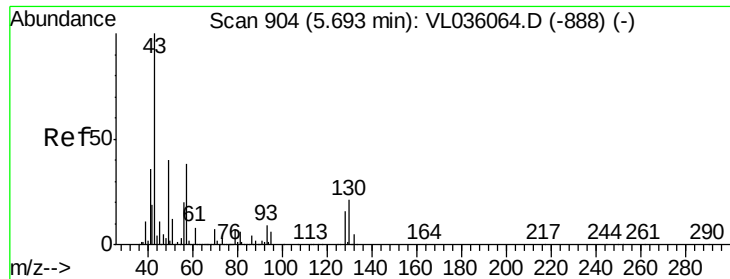
98 3.9 2.2 6.6

100 2.1 1.5 4.4



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





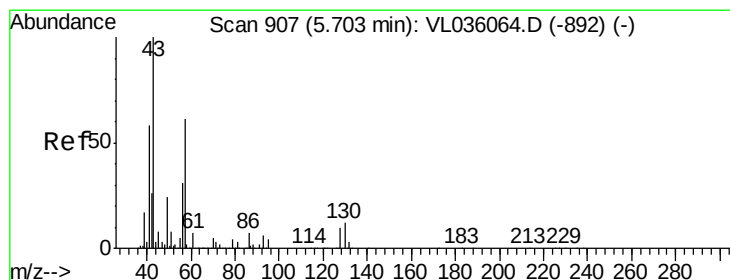
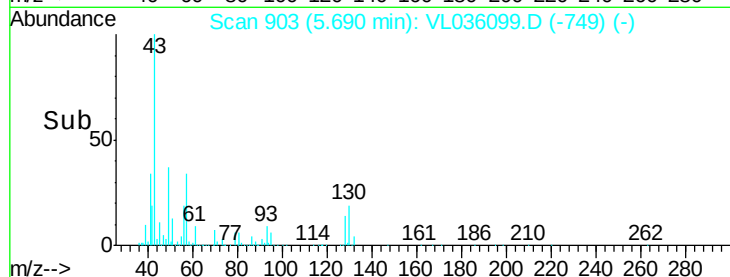
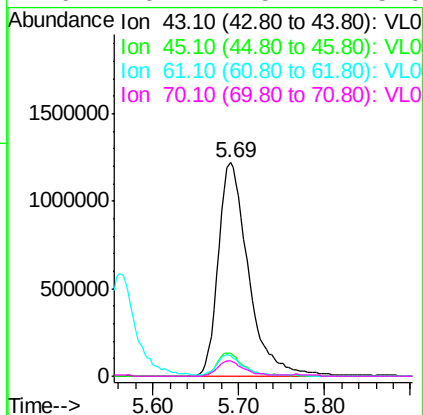
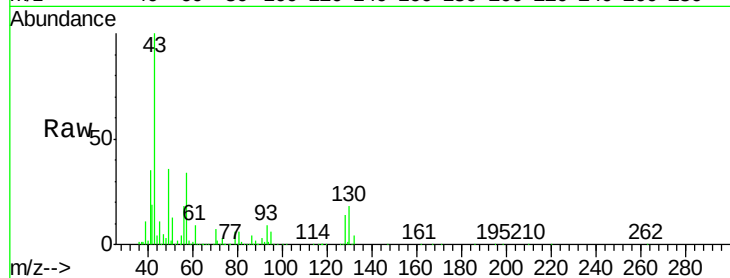
#25
Ethyl Acetate
Concen: 10.483 ppbv
RT: 5.69 min Scan# 903
Delta R.T. -0.00 min
Lab File: VL036099.D
Acq: 8 Dec 2020 17:13

Instrument :
MSVOA_L
ClientSampleId :
VL1208ABS01

Tot Ion:	43	Resp:	2967449
Ion	Ratio	Lower	Upper
43	100		
45	10.0	8.2	12.4
61	9.3	7.4	11.2
70	6.4	5.4	8.0

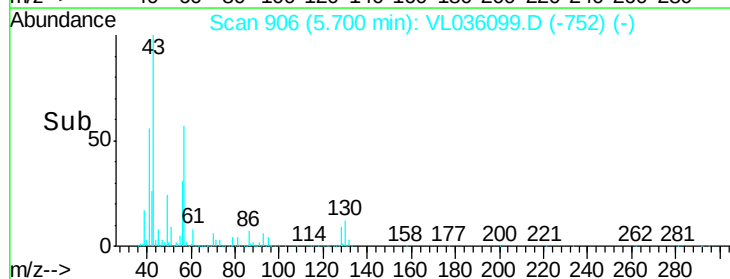
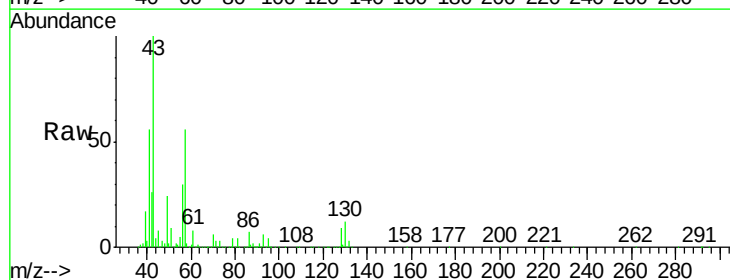
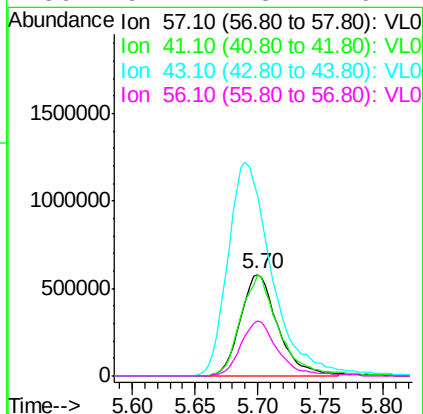
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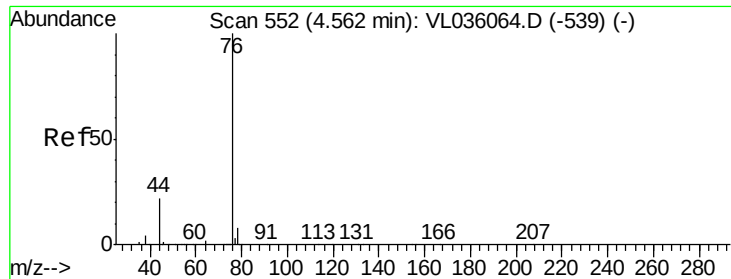
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#26
Hexane
Concen: 9.491 ppbv
RT: 5.70 min Scan# 906
Delta R.T. -0.00 min
Lab File: VL036099.D
Acq: 8 Dec 2020 17:13

Tgt Ion:	57	Resp:	1209103
Ion	Ratio	Lower	Upper
57	100		
41	102.4	82.9	124.3
43	247.8	199.9	299.9
56	54.4	43.1	64.7





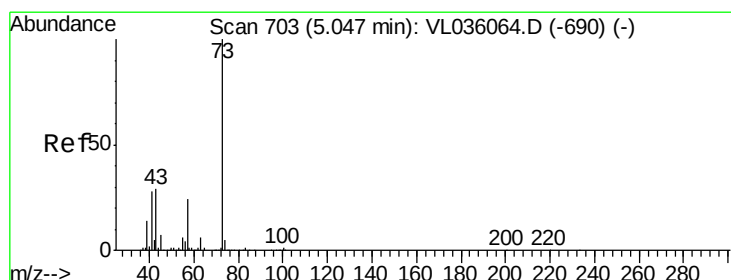
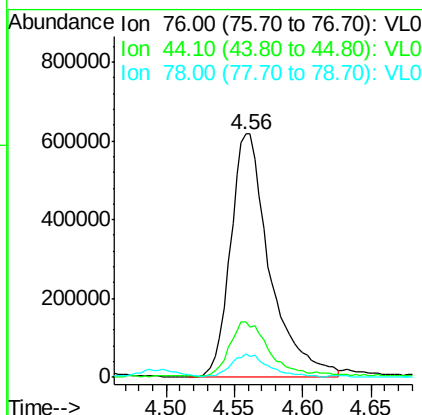
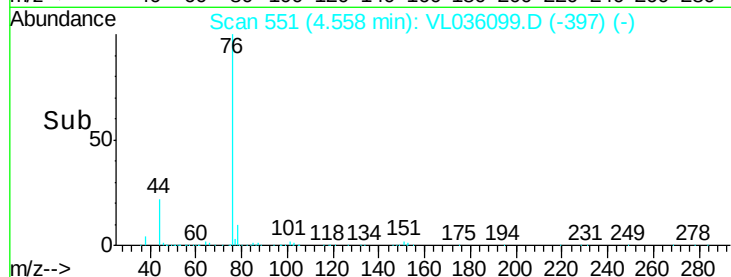
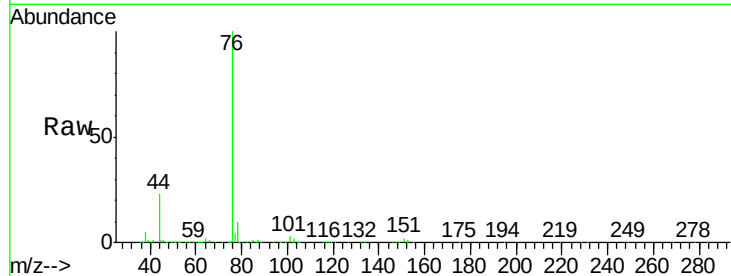
#27
Carbon Disulfide
Concen: 9.683 ppbv
RT: 4.56 min Scan# 551
Delta R.T. -0.00 min
Lab File: VL036099.D
Acq: 8 Dec 2020 17:13

Instrument :
MSVOA_L
ClientSampleId :
VL1208ABS01

Tot Ion	Ratio	Lower	Upper
76	100		
44	24.0	17.9	26.9
78	9.5	7.8	11.8

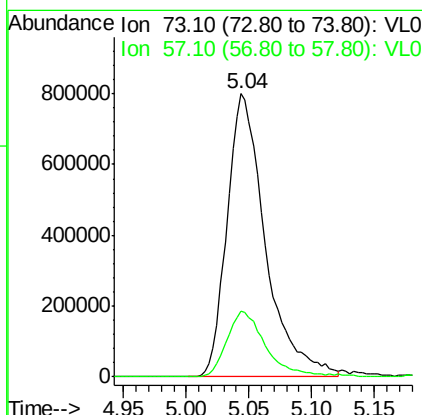
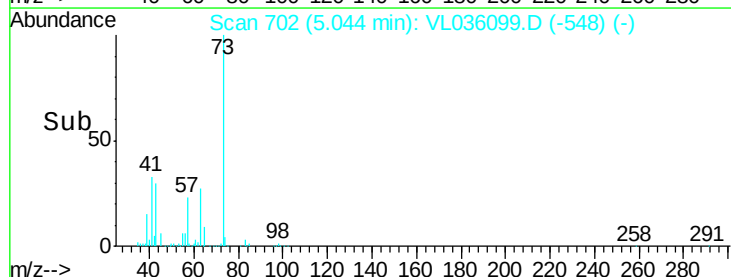
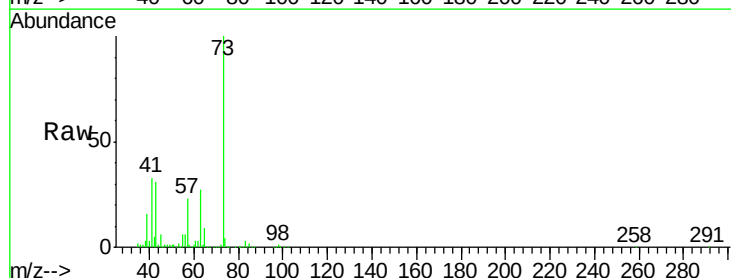
Manual Integrations
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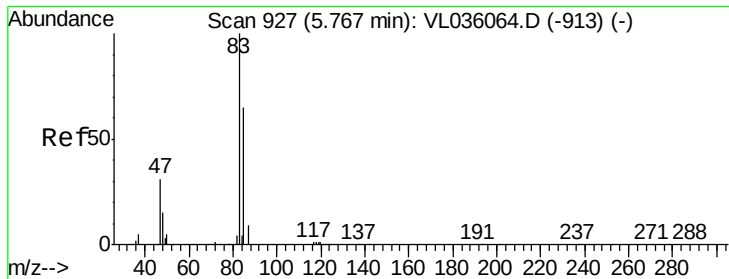
MMDadoda
12/11/2020 12:23:07 PM



#28
Methyl tert-Butyl Ether
Concen: 9.416 ppbv
RT: 5.04 min Scan# 702
Delta R.T. -0.00 min
Lab File: VL036099.D
Acq: 8 Dec 2020 17:13

Tgt Ion	Ratio	Lower	Upper
73	100		
57	23.8	19.2	28.8





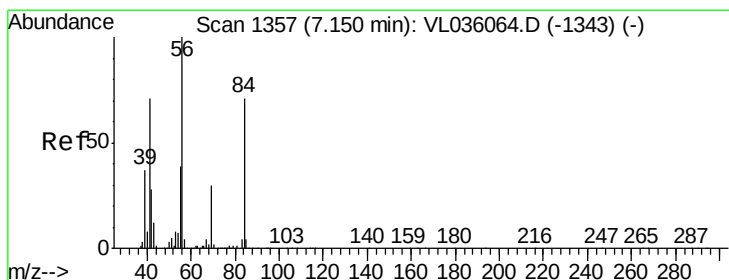
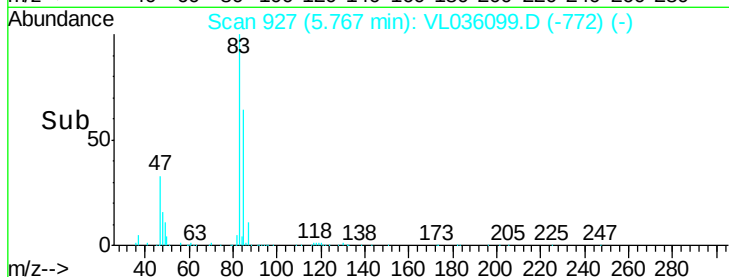
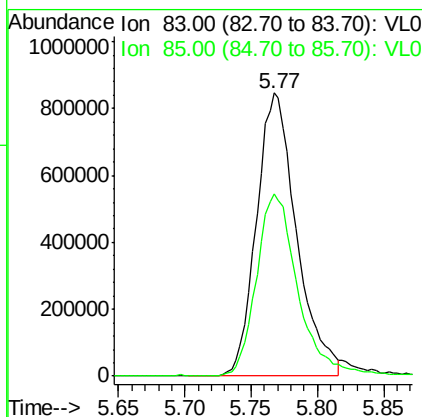
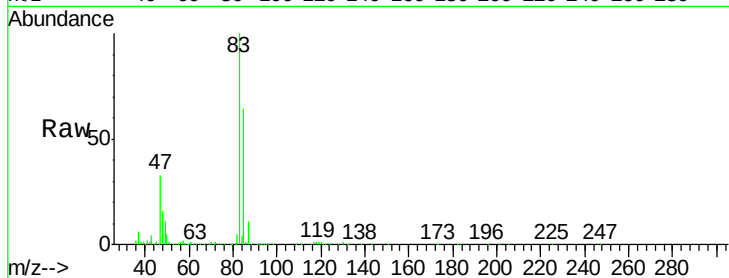
#29
Chloroform
Concen: 10.639 ppbv
RT: 5.77 min Scan# 927
Delta R.T. -0.00 min
Lab File: VL036099.D
Acq: 8 Dec 2020 17:13

Instrument :
MSVOA_L
ClientSampleId :
VL1208ABS01

Tot Ion: 83 Resp: 1779966
Ion Ratio Lower Upper
83 100
85 64.1 51.8 77.6

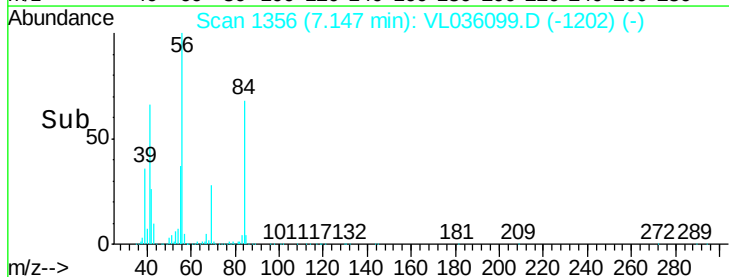
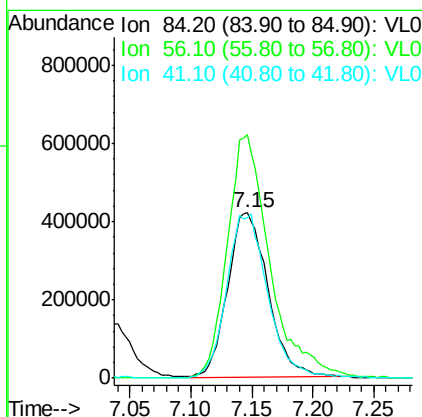
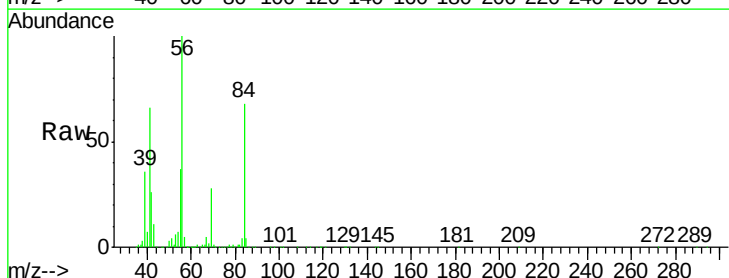
Manual Integrations
APPROVED

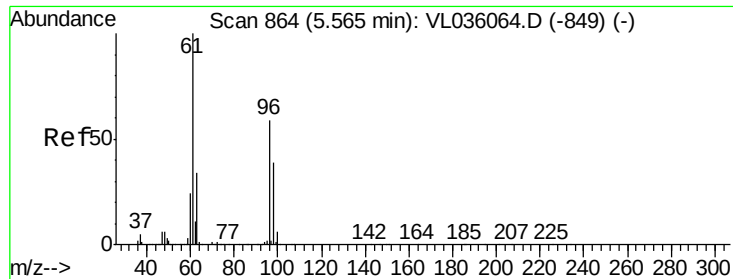
MMDadoda
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#30
Cyclohexane
Concen: 10.376 ppbv
RT: 7.15 min Scan# 1356
Delta R.T. -0.00 min
Lab File: VL036099.D
Acq: 8 Dec 2020 17:13

Tgt Ion: 84 Resp: 971036
Ion Ratio Lower Upper
84 100
56 156.8 128.0 192.0
41 101.6 81.3 121.9





#31

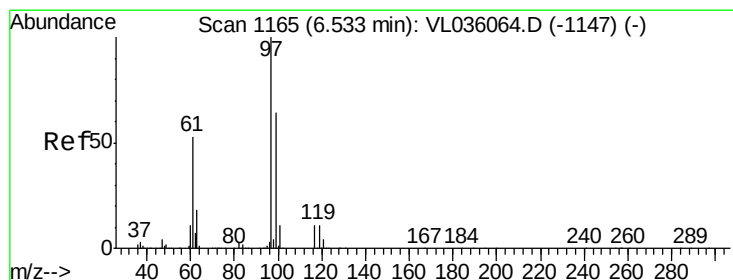
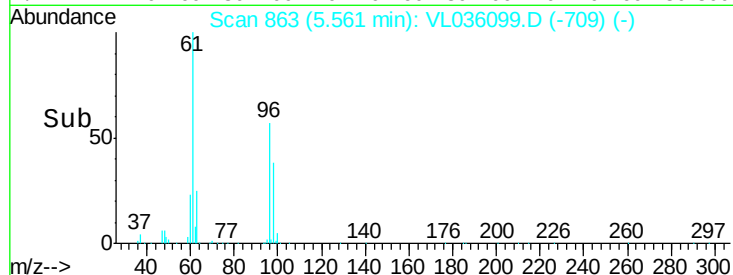
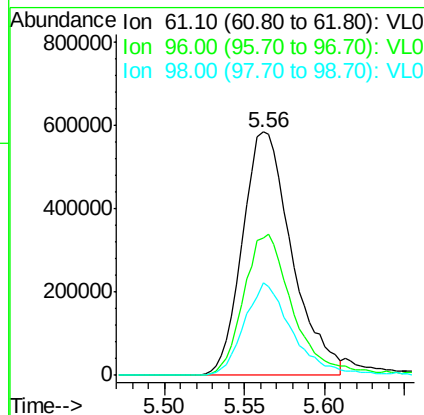
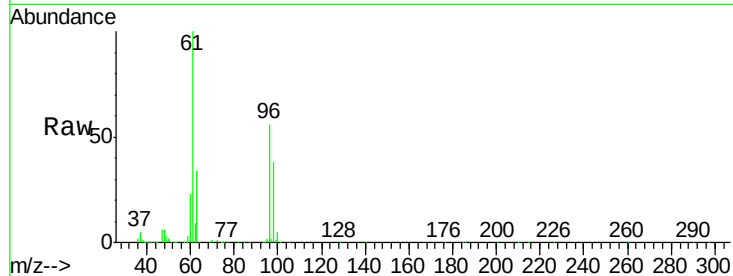
cis-1,2-Dichloroethene
 Concen: 10.632 ppbv
 RT: 5.56 min Scan# 863
 Delta R.T. -0.00 min
 Lab File: VL036099.D
 Acq: 8 Dec 2020 17:13

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1208ABS01

Tot Ion	Ratio	Lower	Upper
61	100		
96	56.3	47.3	70.9
98	37.8	31.4	47.0

Manual Integrations
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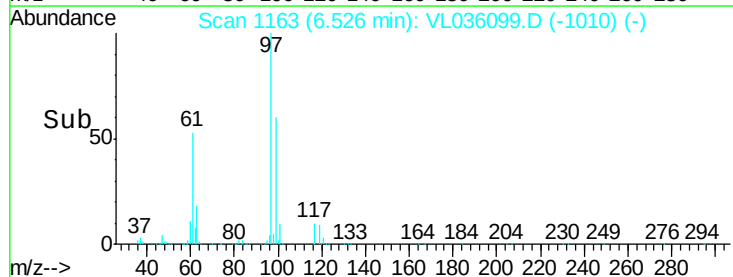
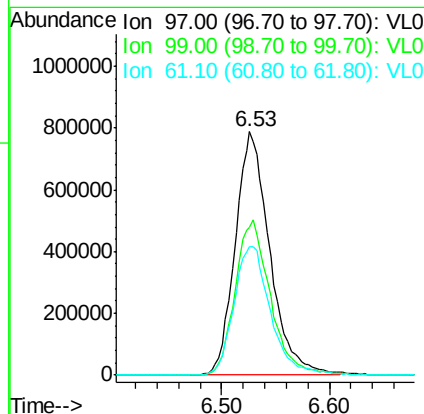
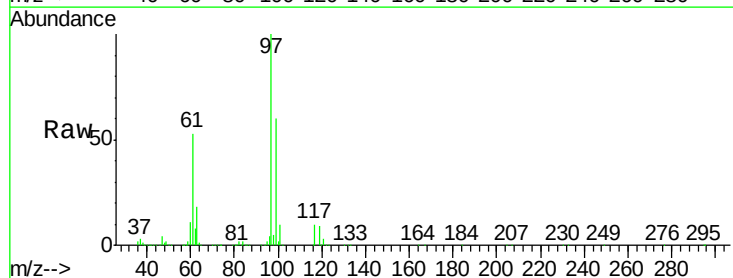
MMDadoda
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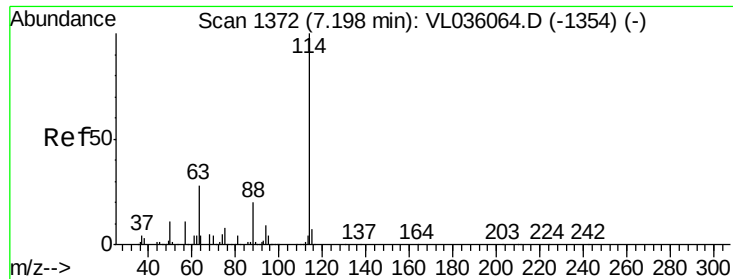


#32

1,1,1-Trichloroethane
 Concen: 10.184 ppbv
 RT: 6.53 min Scan# 1163
 Delta R.T. -0.01 min
 Lab File: VL036099.D
 Acq: 8 Dec 2020 17:13

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.8	52.4	78.6
61	56.1	43.4	65.0





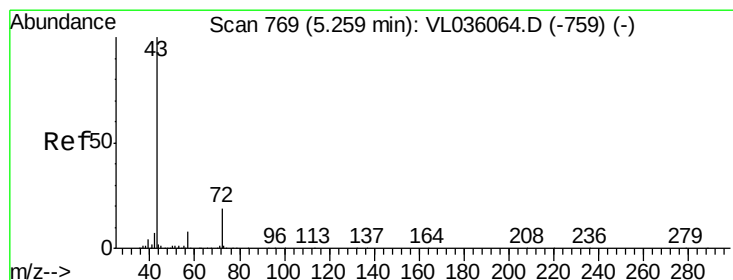
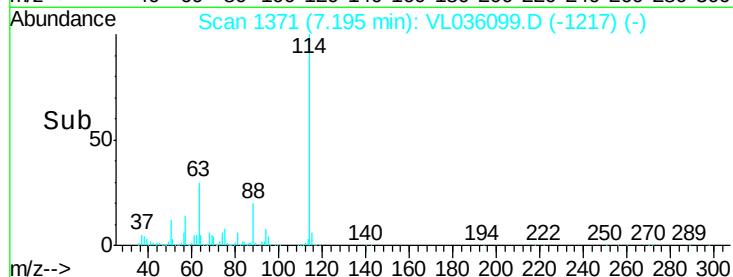
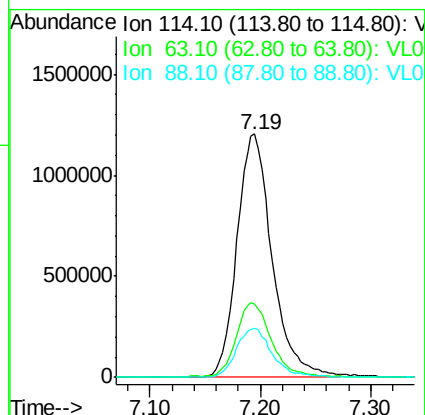
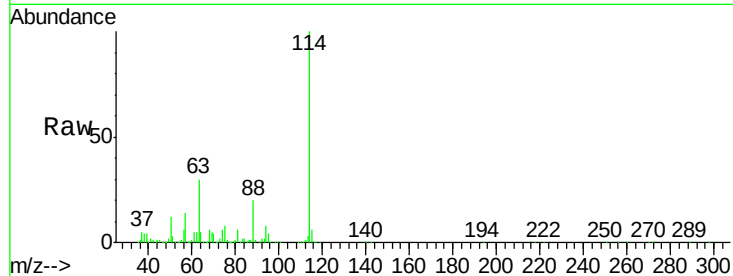
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.19 min Scan# 1371
 Delta R.T. -0.00 min
 Lab File: VL036099.D
 Acq: 8 Dec 2020 17:13

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1208ABS01

Tot Ion	Ratio	Lower	Upper
114	100		
63	31.2	23.6	35.4
88	20.8	15.8	23.6

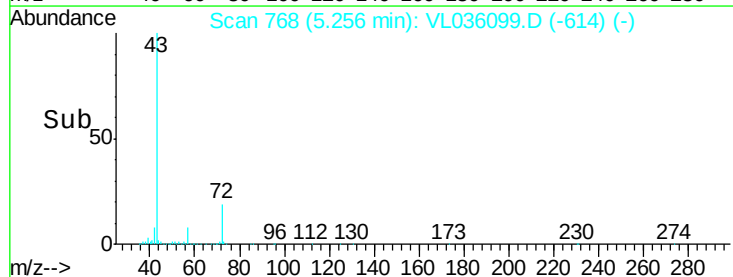
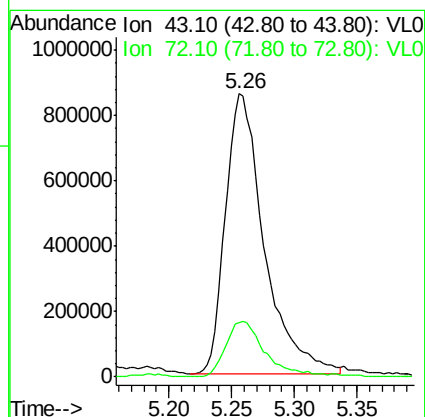
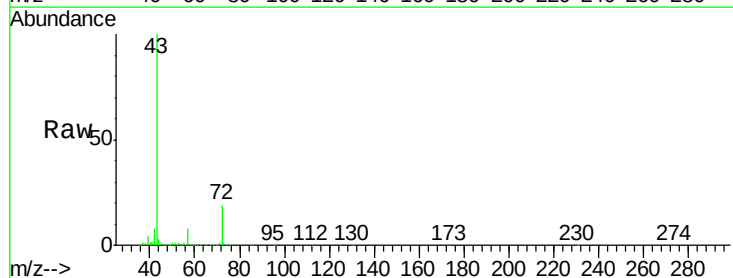
Manual Integrations
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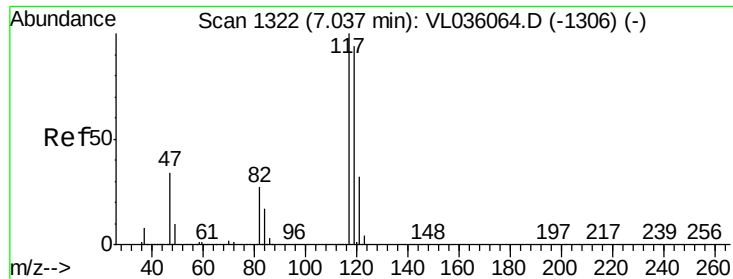
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#34
 2-Butanone
 Concen: 10.424 ppbv
 RT: 5.26 min Scan# 768
 Delta R.T. -0.00 min
 Lab File: VL036099.D
 Acq: 8 Dec 2020 17:13

Tgt Ion	Ratio	Lower	Upper
43	100		
72	20.5	16.5	24.7





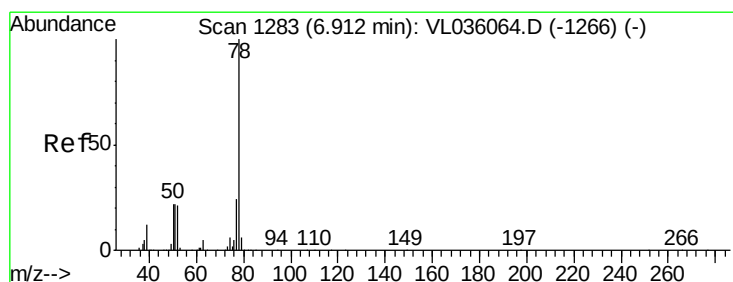
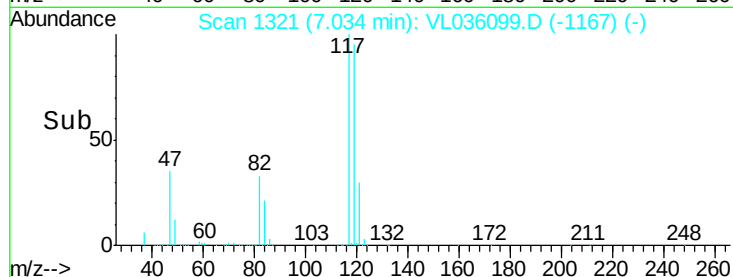
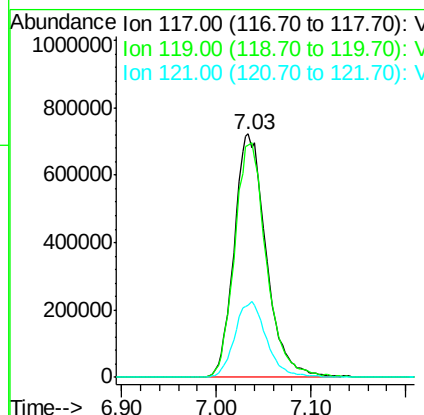
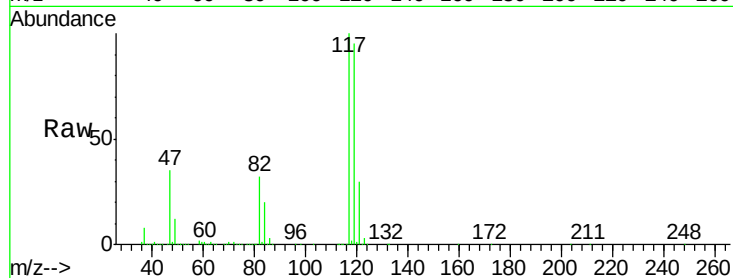
#35
Carbon Tetrachloride
Concen: 10.945 ppbv
RT: 7.03 min Scan# 1321
Delta R.T. -0.00 min
Lab File: VL036099.D
Acq: 8 Dec 2020 17:13

Instrument :
MSVOA_L
ClientSampleId :
VL1208ABS01

Tot Ion:117 Resp: 1697447
Ion Ratio Lower Upper
117 100
119 95.4 75.1 112.7
121 29.7 25.6 38.4

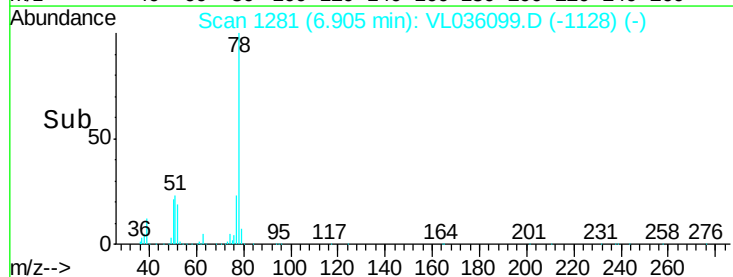
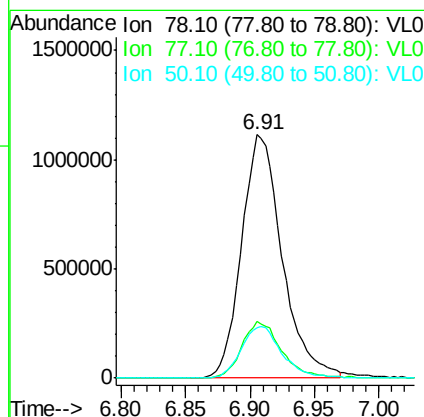
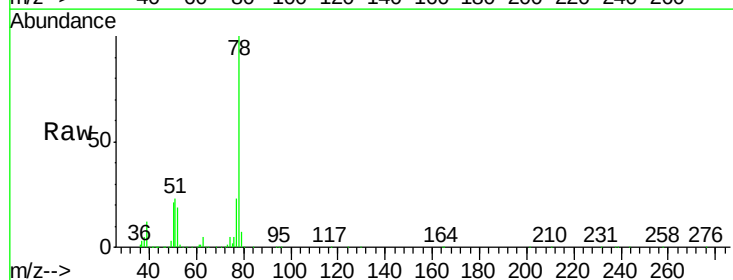
Manual Integrations
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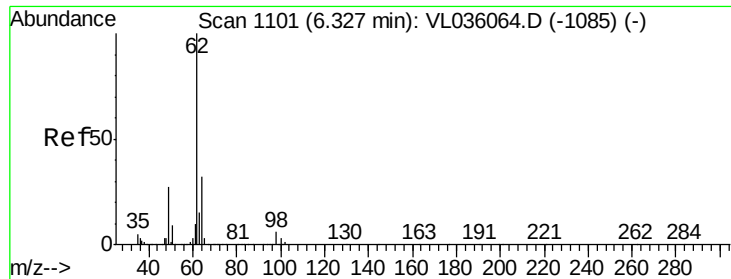
MMDadoda
12/11/2020 12:23:07 PM



#36
Benzene
Concen: 10.846 ppbv
RT: 6.91 min Scan# 1281
Delta R.T. -0.01 min
Lab File: VL036099.D
Acq: 8 Dec 2020 17:13

Tgt Ion: 78 Resp: 2444599
Ion Ratio Lower Upper
78 100
77 23.2 19.4 29.2
50 20.6 17.8 26.8





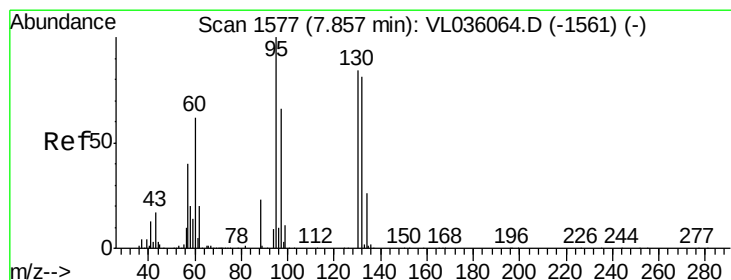
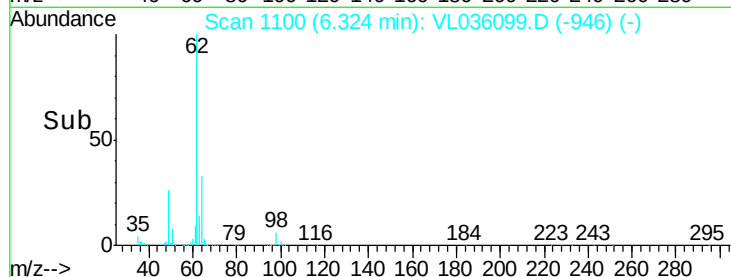
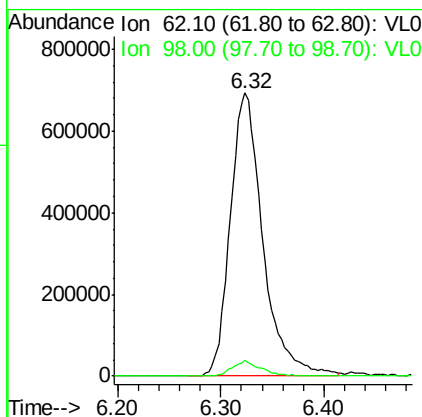
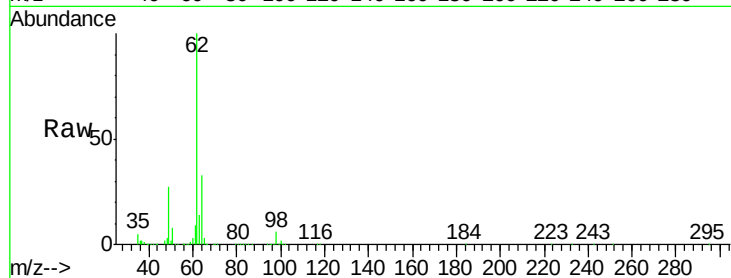
#37
 1,2-Dichloroethane
 Concen: 11.695 ppbv
 RT: 6.32 min Scan# 1100
 Delta R.T. -0.00 min
 Lab File: VL036099.D
 Acq: 8 Dec 2020 17:13

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1208ABS01

Tot Ion	Ratio	Lower	Upper
62	100		
98	5.1	4.6	7.0

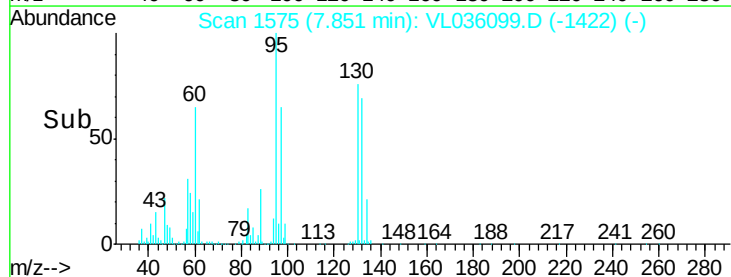
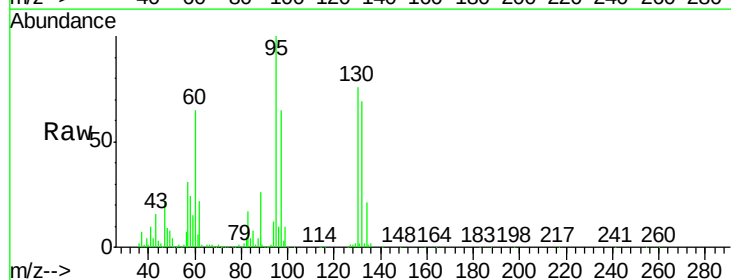
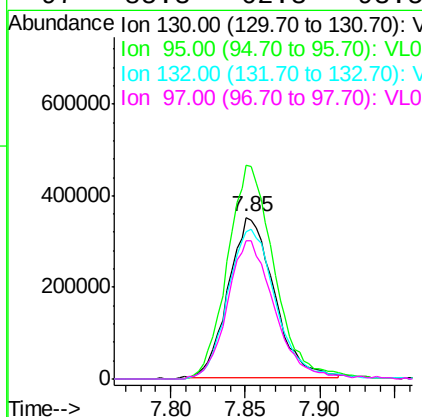
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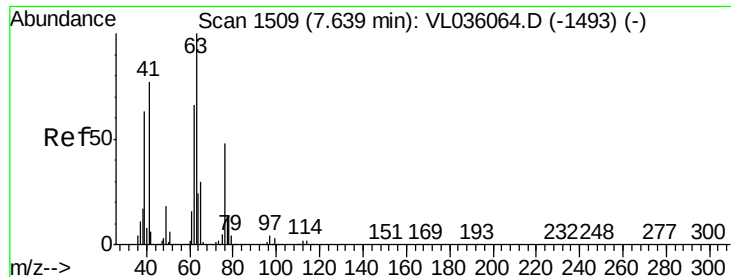
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#38
 Trichloroethene
 Concen: 8.813 ppbv
 RT: 7.85 min Scan# 1575
 Delta R.T. -0.01 min
 Lab File: VL036099.D
 Acq: 8 Dec 2020 17:13

Tgt Ion	Ratio	Lower	Upper
130	100		
95	131.9	95.2	142.8
132	90.9	76.9	115.3
97	85.3	62.3	93.5





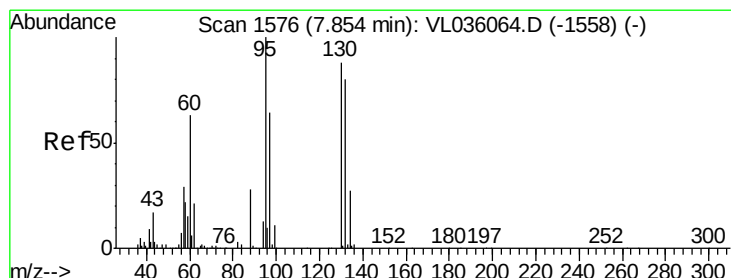
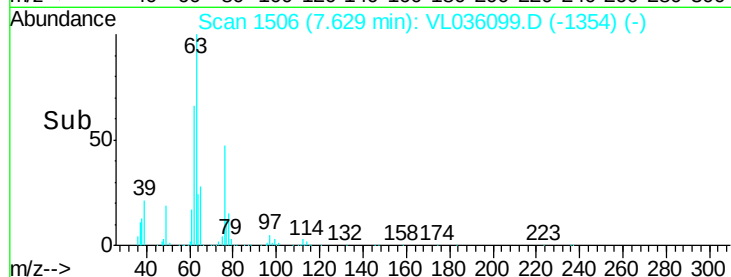
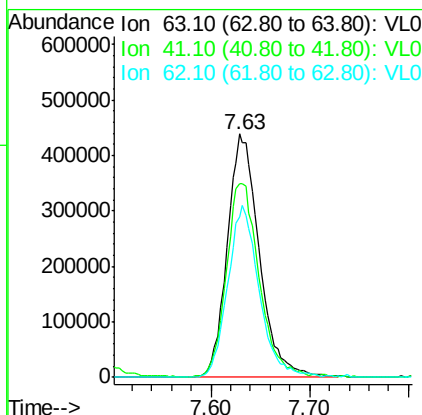
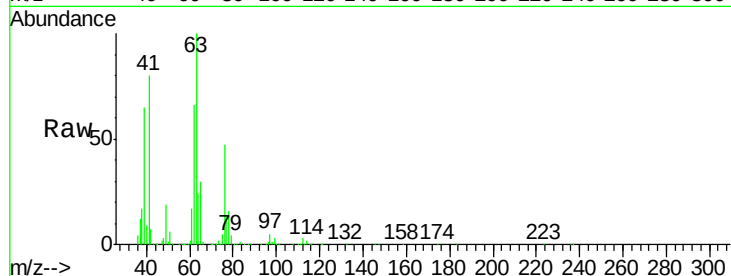
#39
 1,2-Dichloropropane
 Concen: 11.165 ppbv
 RT: 7.63 min Scan# 1506
 Delta R.T. -0.01 min
 Lab File: VL036099.D
 Acq: 8 Dec 2020 17:13

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1208ABS01

Tot Ion	Ratio	Lower	Upper
63	100		
41	79.4	61.9	92.9
62	65.9	52.5	78.7

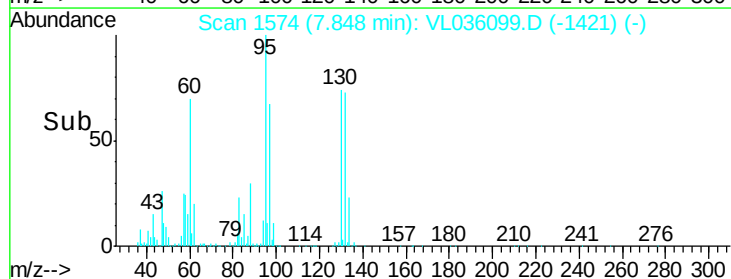
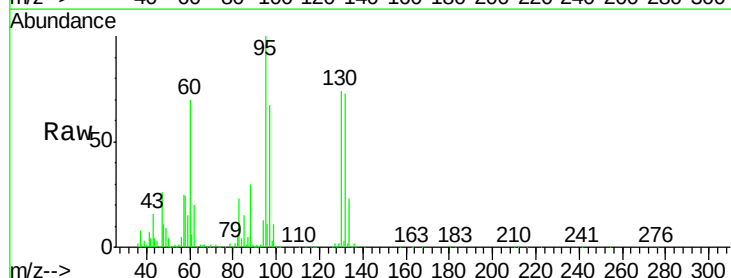
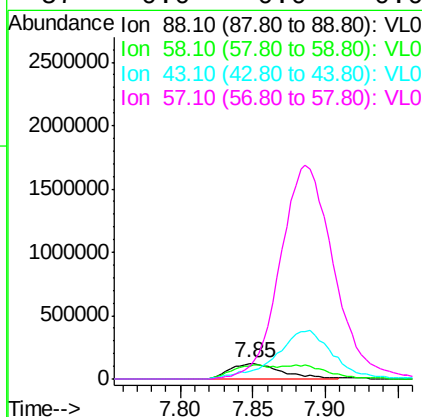
Manual Integrations
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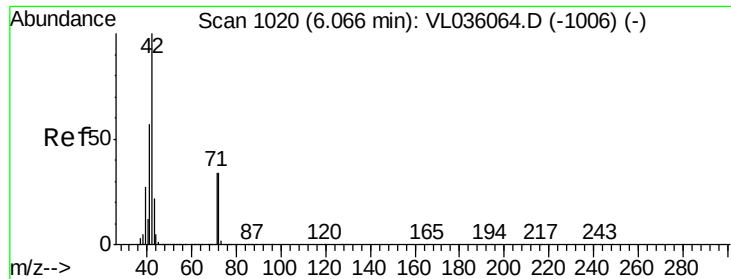
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#40
 1,4-Dioxane
 Concen: 10.930 ppbv
 RT: 7.85 min Scan# 1574
 Delta R.T. -0.01 min
 Lab File: VL036099.D
 Acq: 8 Dec 2020 17:13

Tgt Ion	Ratio	Lower	Upper
88	100		
58	61.7	122.6	184.0#
43	0.0	0.0	0.0
57	0.0	0.0	0.0





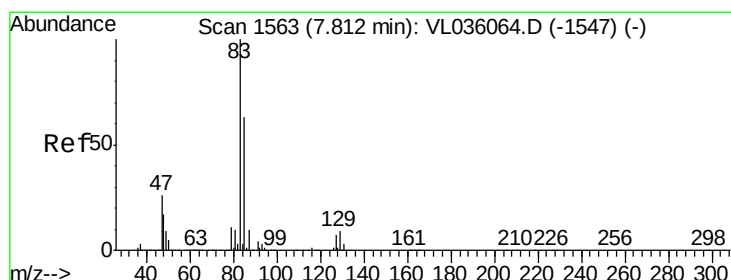
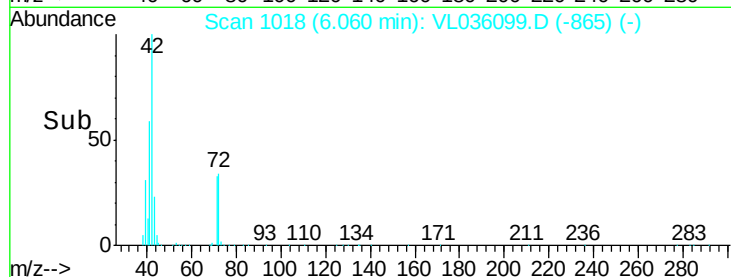
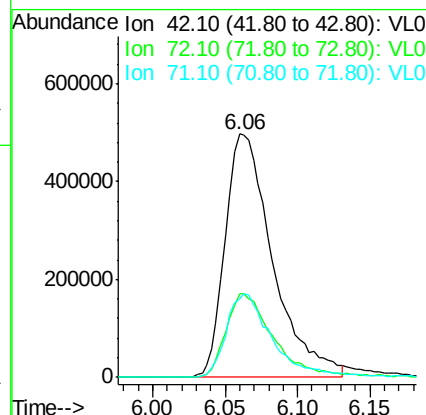
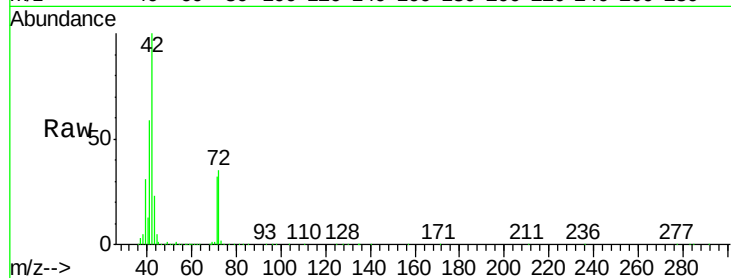
#41
Tetrahydrofuran
Concen: 10.787 ppbv
RT: 6.06 min Scan# 1018
Delta R.T. -0.01 min
Lab File: VL036099.D
Acq: 8 Dec 2020 17:13

Instrument :
MSVOA_L
ClientSampleId :
VL1208ABS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	35.4	28.3	42.5
71	34.0	27.3	40.9

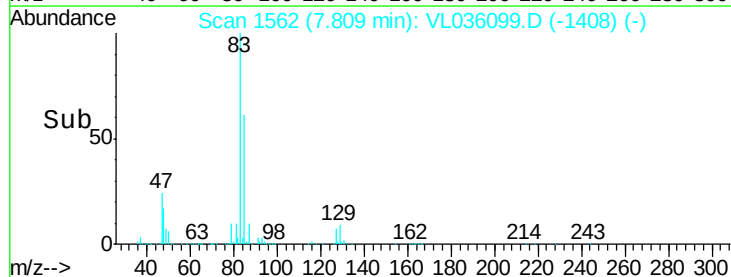
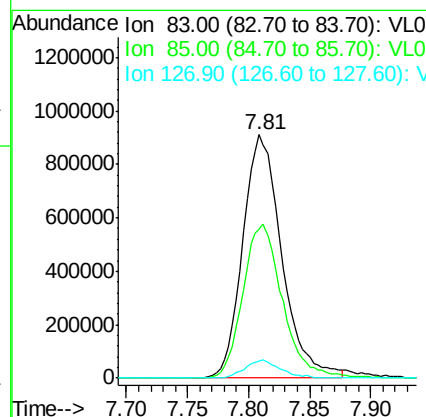
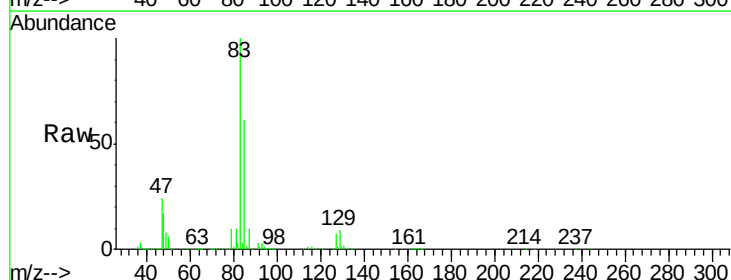
Manual Integrations
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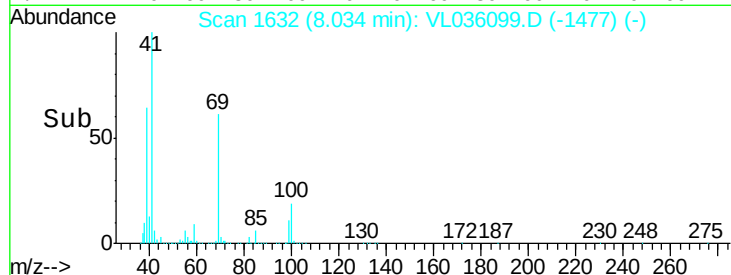
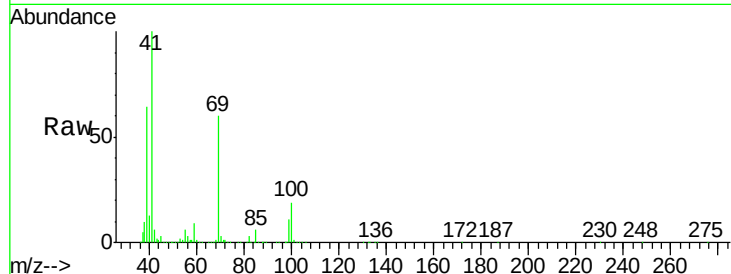
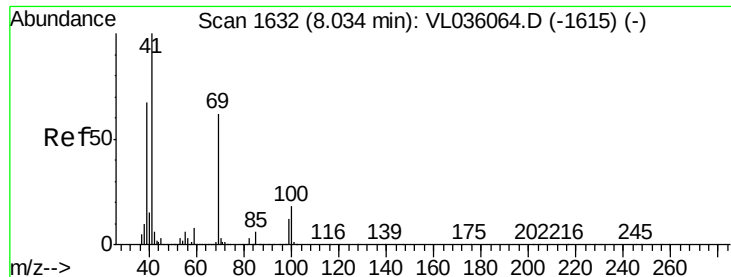
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#42
Bromodichloromethane
Concen: 11.588 ppbv
RT: 7.81 min Scan# 1562
Delta R.T. -0.00 min
Lab File: VL036099.D
Acq: 8 Dec 2020 17:13

Tgt Ion	Ratio	Lower	Upper
83	100		
85	60.9	50.2	75.2
127	7.2	5.5	8.3





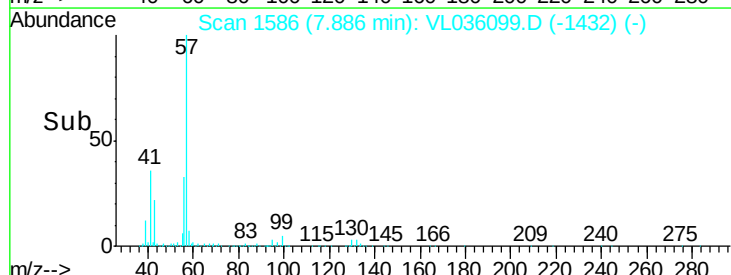
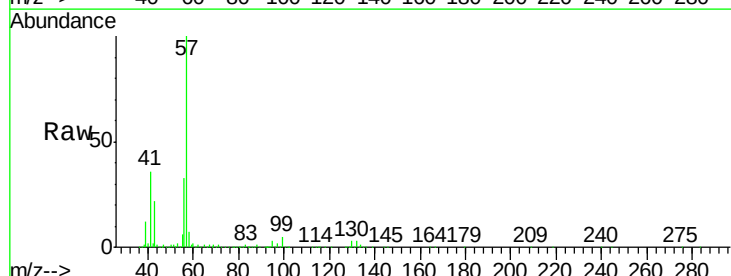
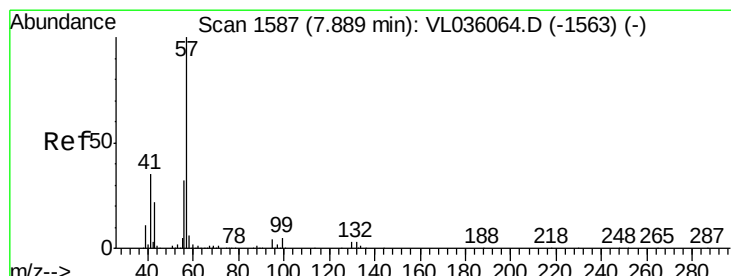
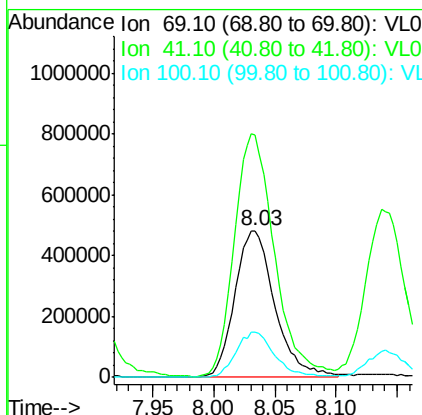
#43
Methyl Methacrylate
Concen: 11.330 ppbv
RT: 8.03 min Scan# 1632
Delta R.T. -0.00 min
Lab File: VL036099.D
Acq: 8 Dec 2020 17:13

Tot Ion: 69 Resp: 1095541
Ion Ratio Lower Upper
69 100
41 166.6 133.0 199.6
100 29.9 25.4 38.0

Instrument :
MSVOA_L
ClientSampleId :
VL1208ABS01

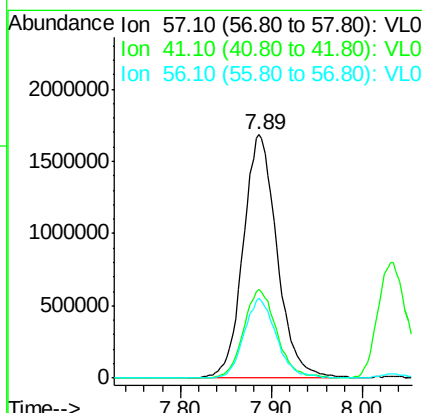
Manual Integrations
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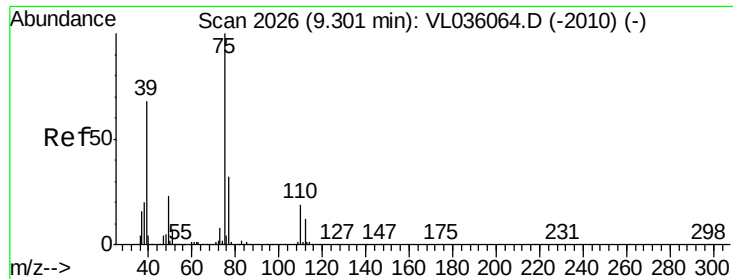
MMDadoda
12/11/2020 12:23:07 PM



#44
2,2,4-Trimethylpentane
Concen: 10.670 ppbv
RT: 7.89 min Scan# 1586
Delta R.T. -0.00 min
Lab File: VL036099.D
Acq: 8 Dec 2020 17:13

Tgt Ion: 57 Resp: 4355567
Ion Ratio Lower Upper
57 100
41 35.5 28.9 43.3
56 31.4 25.3 37.9





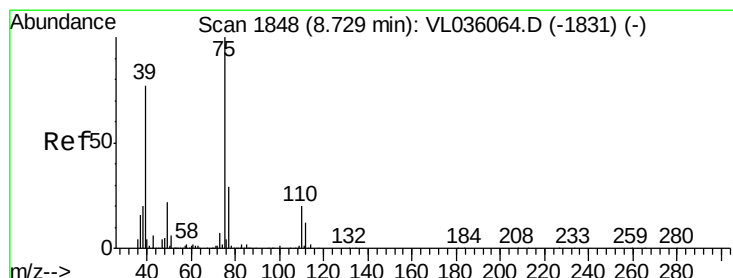
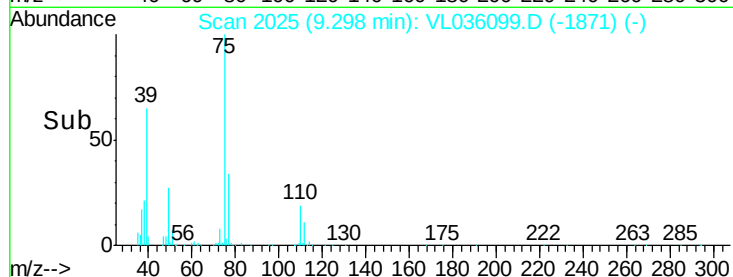
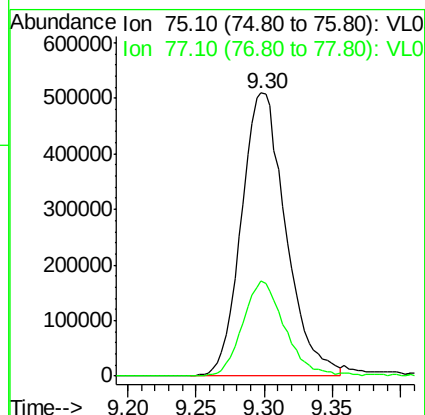
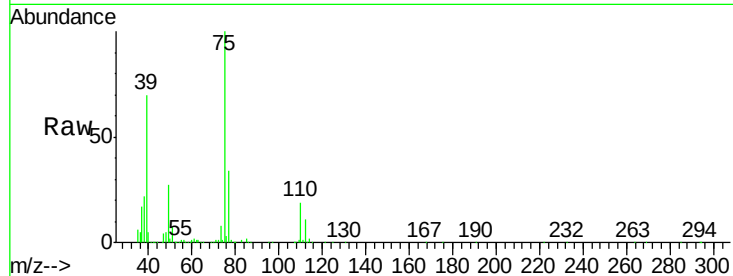
#45
t-1,3-Dichloropropene
Concen: 11.600 ppbv
RT: 9.30 min Scan# 2025
Delta R.T. -0.00 min
Lab File: VL036099.D
Acq: 8 Dec 2020 17:13

Instrument :
MSVOA_L
ClientSampleId :
VL1208ABS01

Tot Ion: 75 Resp: 1152366
Ion Ratio Lower Upper
75 100
77 33.8 26.0 39.0

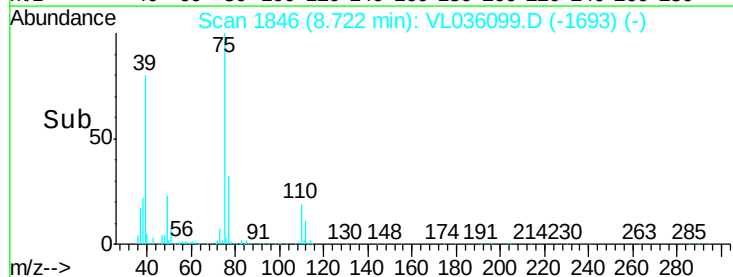
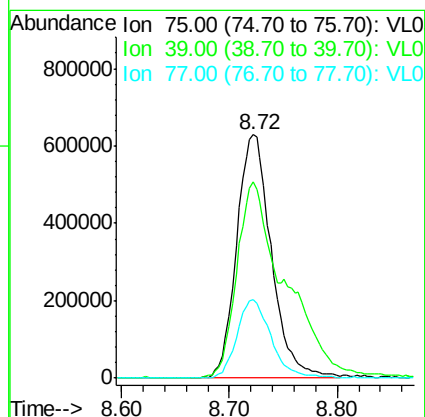
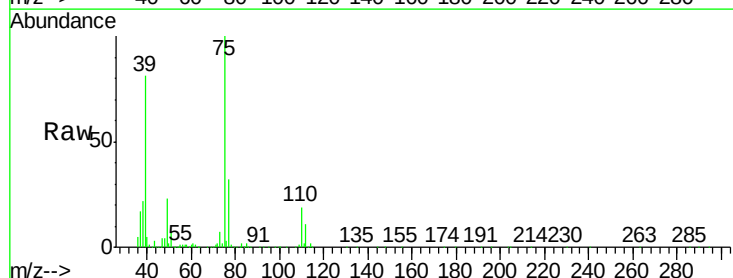
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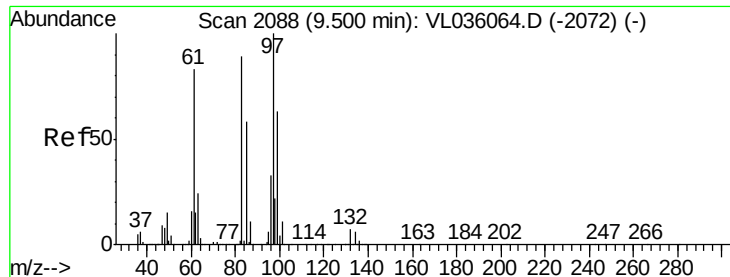
MMDadoda
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#46
cis-1,3-Dichloropropene
Concen: 11.333 ppbv
RT: 8.72 min Scan# 1846
Delta R.T. -0.01 min
Lab File: VL036099.D
Acq: 8 Dec 2020 17:13

Tgt Ion: 75 Resp: 1411054
Ion Ratio Lower Upper
75 100
39 80.7 61.6 92.4
77 32.1 23.0 34.6





#47

1,1,2-Trichloroethane

Concen: 10.772 ppbv

RT: 9.49 min Scan# 2086

Delta R.T. -0.01 min

Lab File: VL036099.D

Acq: 8 Dec 2020 17:13

Instrument :

MSVOA_L

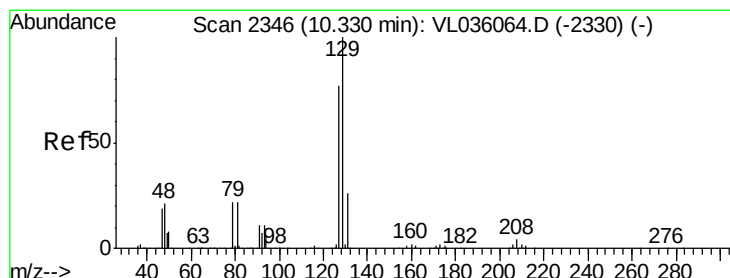
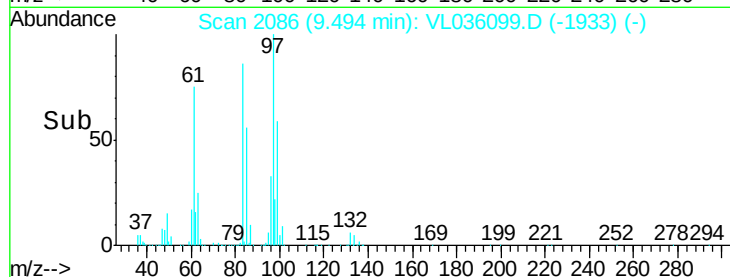
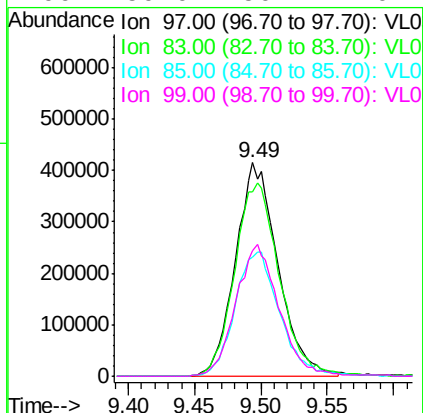
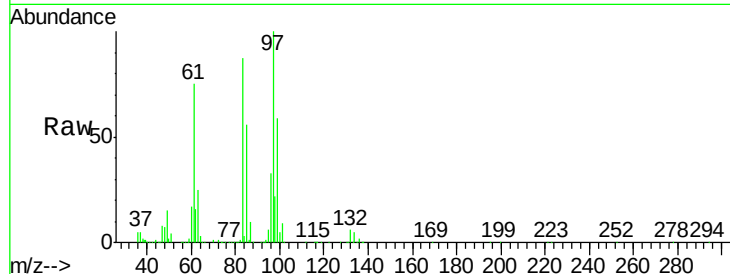
ClientSampleId :

VL1208ABS01

Tot Ion:	97	Resp:	922436
Ion	Ratio	Lower	Upper
97	100		
83	86.3	71.4	107.2
85	55.9	46.6	70.0
99	59.0	50.7	76.1

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#48

Dibromochloromethane

Concen: 11.139 ppbv

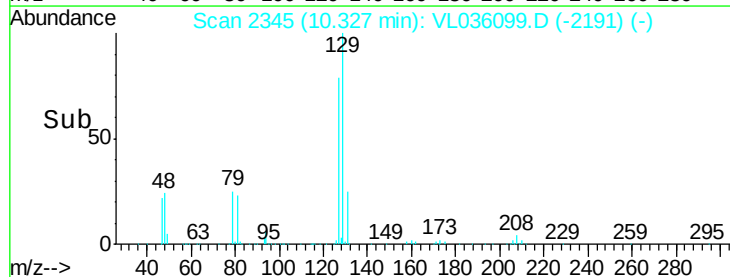
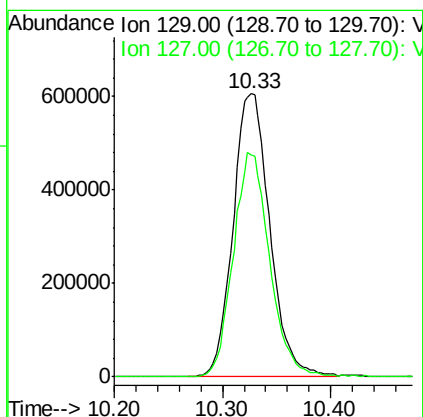
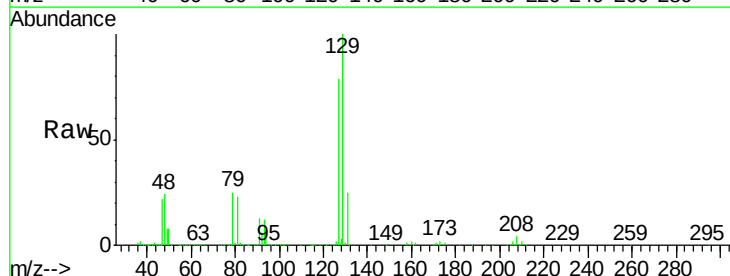
RT: 10.33 min Scan# 2345

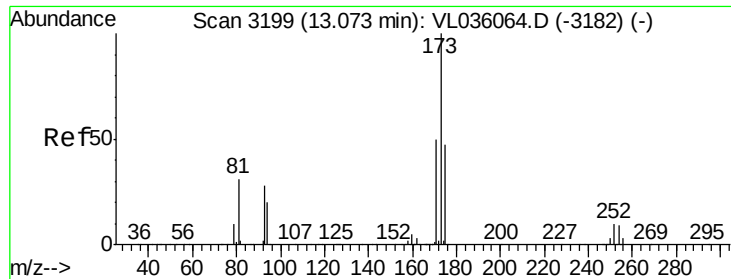
Delta R.T. -0.00 min

Lab File: VL036099.D

Acq: 8 Dec 2020 17:13

Tgt Ion:	129	Resp:	1440505
Ion	Ratio	Lower	Upper
129	100		
127	78.7	39.0	117.0





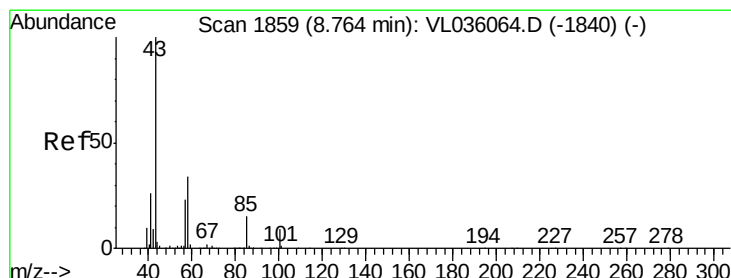
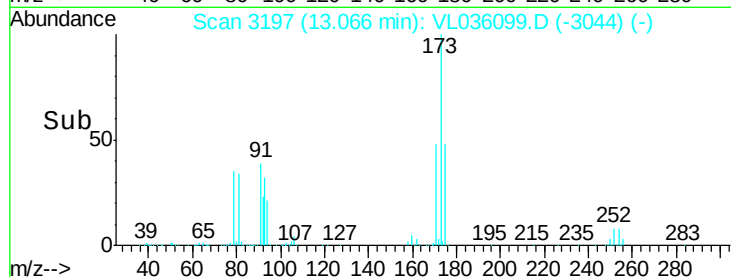
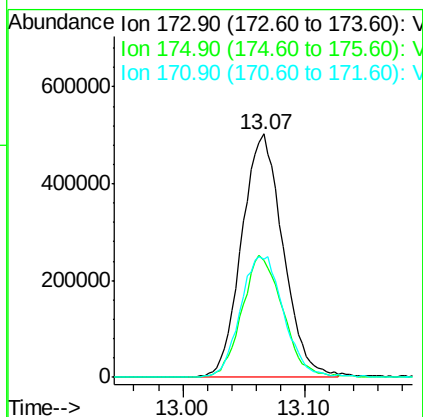
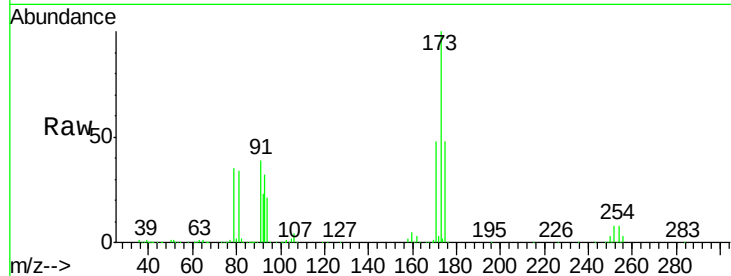
#49
Bromoform
Concen: 11.575 ppbv
RT: 13.07 min Scan# 3197
Delta R.T. -0.01 min
Lab File: VL036099.D
Acq: 8 Dec 2020 17:13

Instrument :
MSVOA_L
ClientSampleId :
VL1208ABS01

Tot Ion:173 Resp: 1178092
Ion Ratio Lower Upper
173 100
175 49.9 39.8 59.6
171 52.4 42.5 63.7

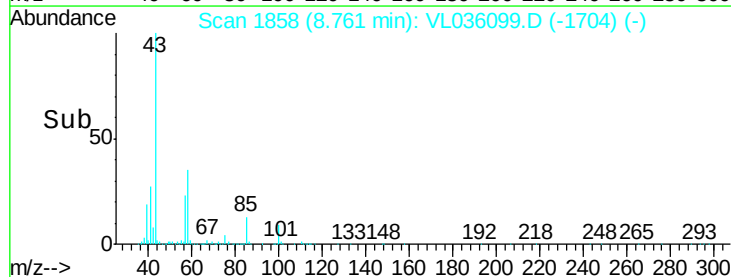
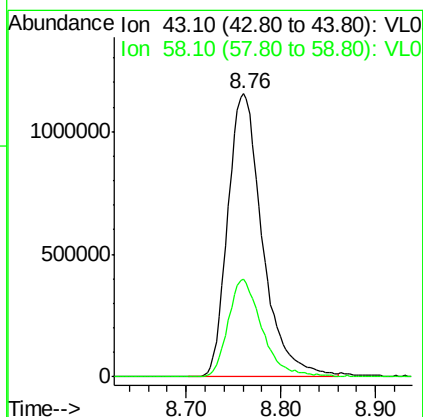
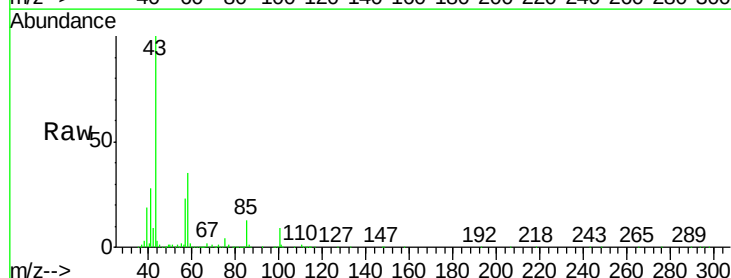
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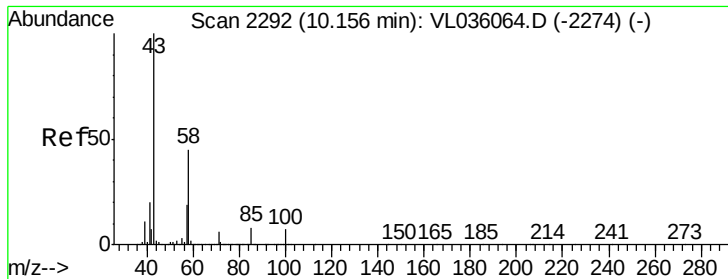
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#50
4-Methyl-2-Pentanone
Concen: 11.179 ppbv
RT: 8.76 min Scan# 1858
Delta R.T. -0.00 min
Lab File: VL036099.D
Acq: 8 Dec 2020 17:13

Tgt Ion: 43 Resp: 2941128
Ion Ratio Lower Upper
43 100
58 34.2 27.4 41.2





#51

2-Hexanone

Concen: 11.714 ppbv

RT: 10.15 min Scan# 2291

Delta R.T. -0.00 min

Lab File: VL036099.D

Acq: 8 Dec 2020 17:13

Instrument :

MSVOA_L

ClientSampleId :

VL1208ABS01

Tot Ion: 43 Resp: 2409094

Ion Ratio Lower Upper

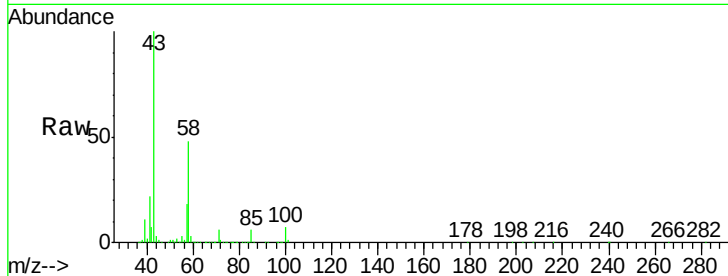
43 100

58 47.4 38.7 58.1

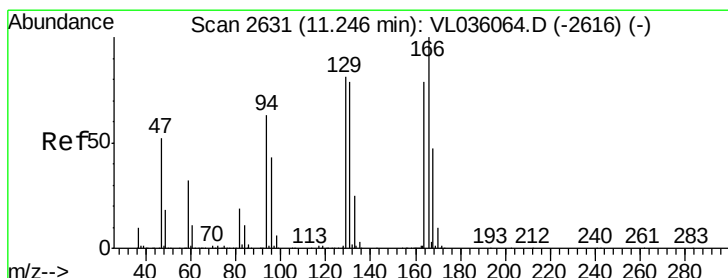
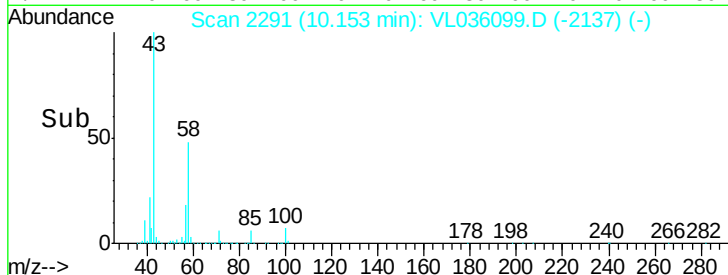
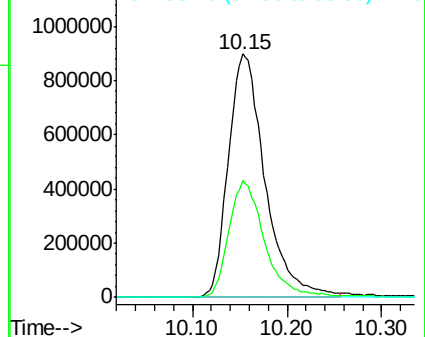
98 0.1 0.1 0.1

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Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 58.10 (57.80 to 58.80): VL0
Ion 98.20 (97.90 to 98.90): VL0



#52

Tetrachloroethene

Concen: 9.147 ppbv

RT: 11.24 min Scan# 2630

Delta R.T. -0.00 min

Lab File: VL036099.D

Acq: 8 Dec 2020 17:13

Tgt Ion: 164 Resp: 746314

Ion Ratio Lower Upper

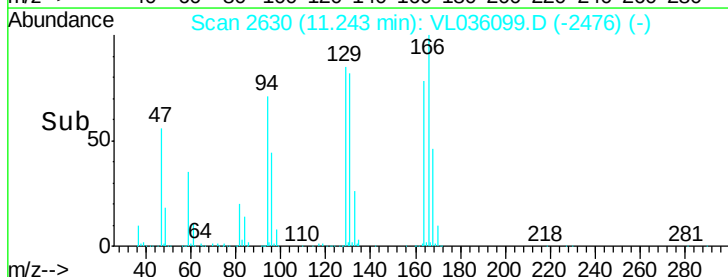
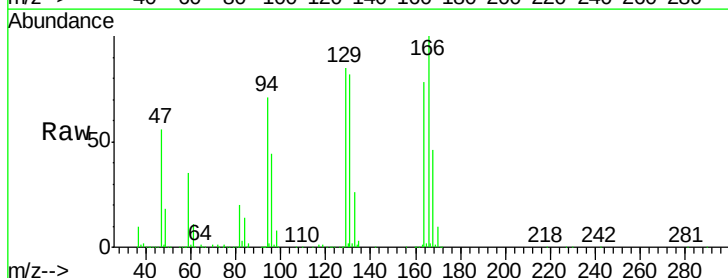
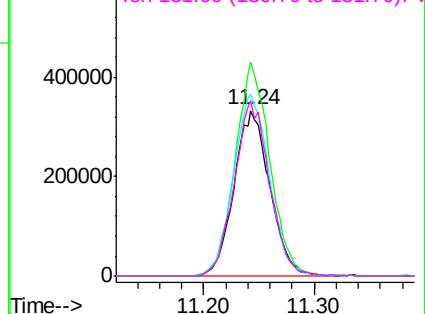
164 100

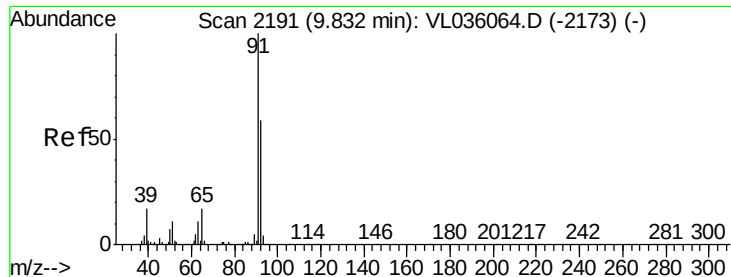
166 128.6 101.9 152.9

129 109.4 82.1 123.1

131 105.6 80.8 121.2

Abundance Ion 163.90 (163.60 to 164.60): V
Ion 165.90 (165.60 to 166.60): V
Ion 129.00 (128.70 to 129.70): V
Ion 131.00 (130.70 to 131.70): V





#53

Toluene

Concen: 10.819 ppbv

RT: 9.82 min Scan# 2189

Delta R.T. -0.01 min

Lab File: VL036099.D

Acq: 8 Dec 2020 17:13

Instrument :

MSVOA_L

ClientSampleId :

VL1208ABS01

Tot Ion: 91 Resp: 2738277

Ion Ratio Lower Upper

91 100

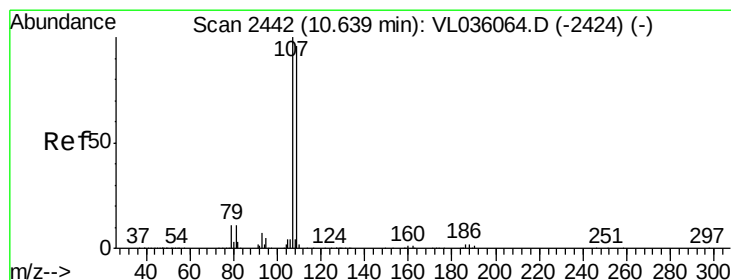
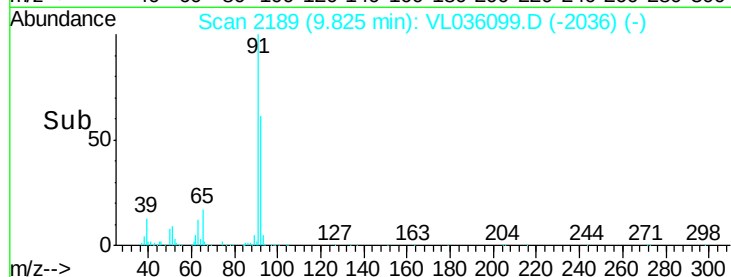
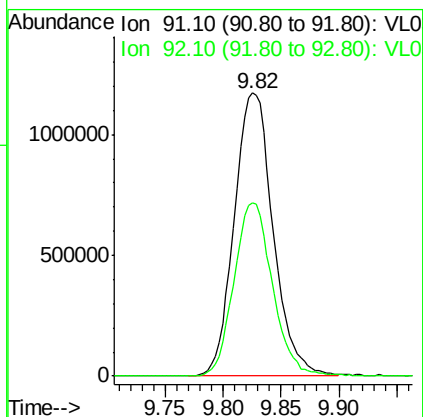
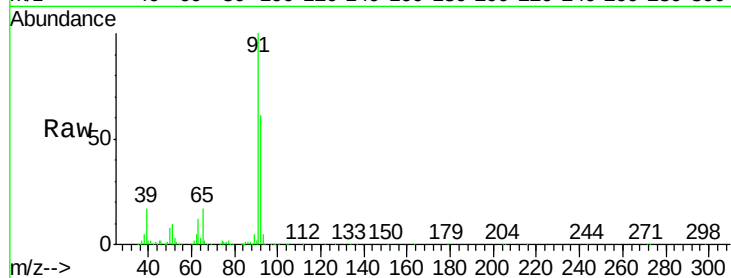
92 60.6 48.2 72.2

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#54

1,2-Dibromoethane

Concen: 10.838 ppbv

RT: 10.64 min Scan# 2441

Delta R.T. -0.00 min

Lab File: VL036099.D

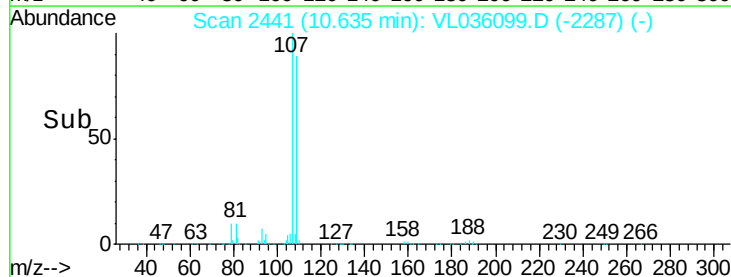
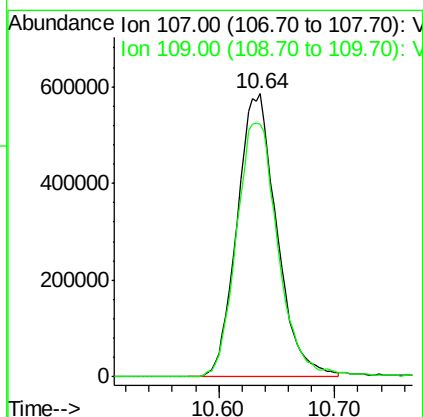
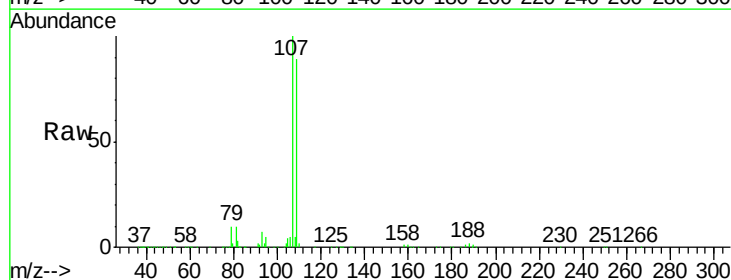
Acq: 8 Dec 2020 17:13

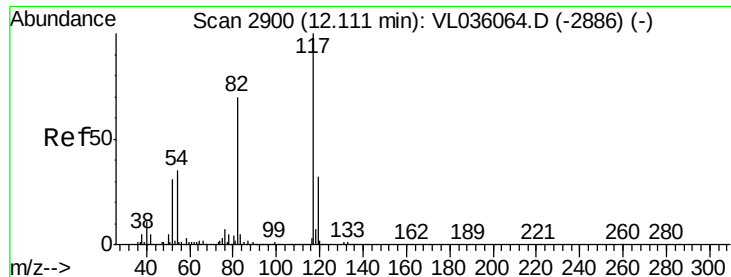
Tgt Ion: 107 Resp: 1391175

Ion Ratio Lower Upper

107 100

109 89.3 76.6 115.0





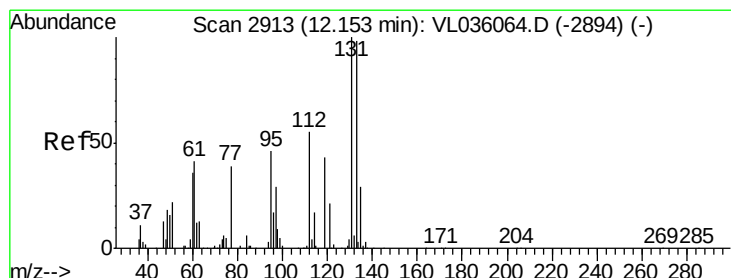
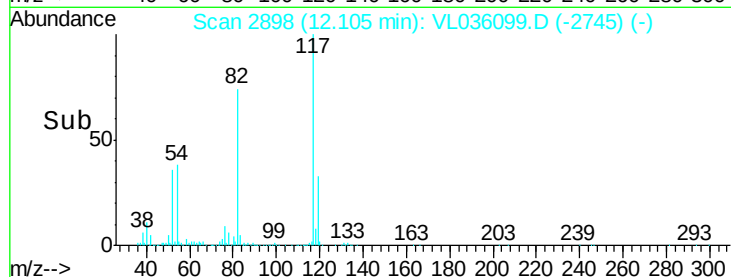
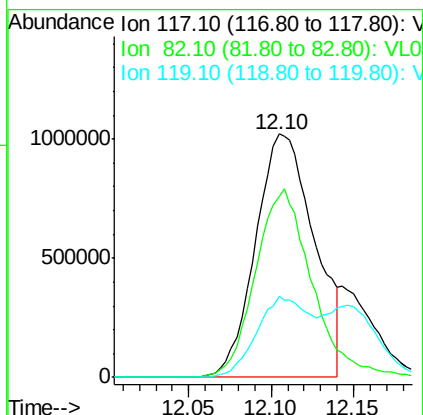
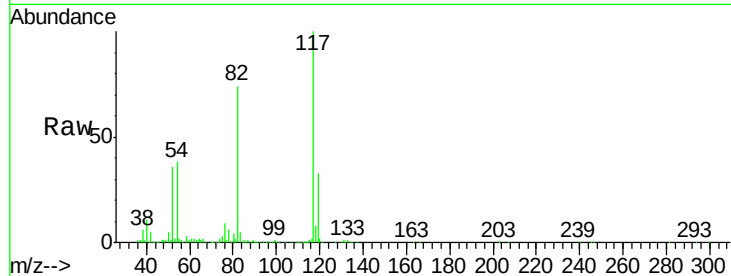
#55
Chlorobenzene-d5
Concen: 10.000 ppbv m
RT: 12.10 min Scan# 2898
Delta R.T. -0.01 min
Lab File: VL036099.D
Acq: 8 Dec 2020 17:13

Instrument :
MSVOA_L
ClientSampleId :
VL1208ABS01

Tot Ion:117 Resp: 2541598
Ion Ratio Lower Upper
117 100
82 75.1 0.0 0.0#
119 29.6 0.0 0.0#

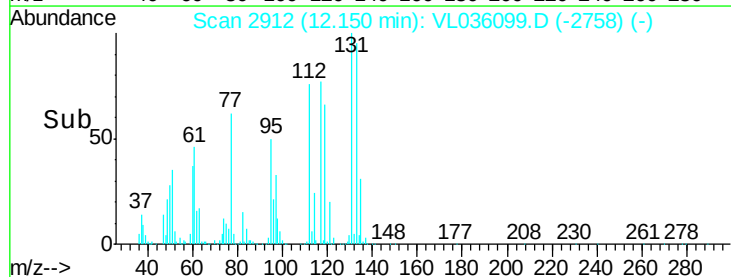
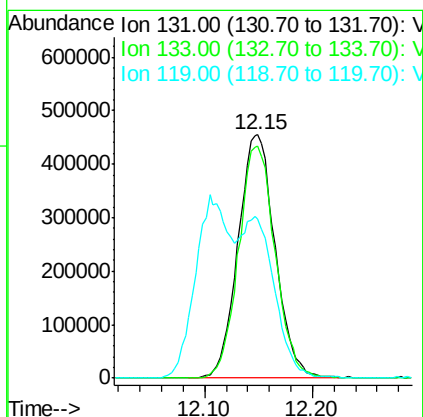
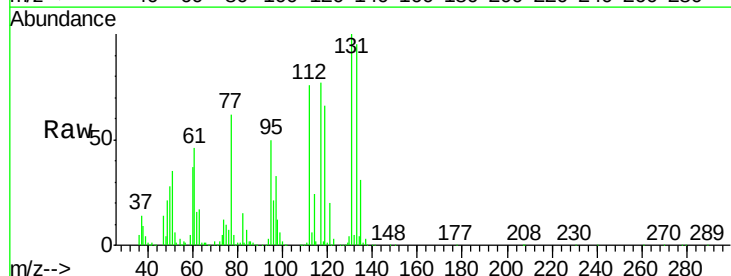
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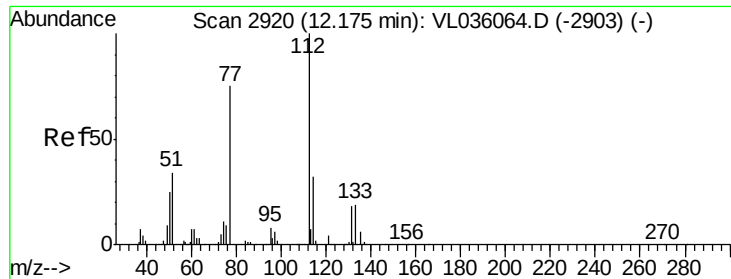
MMDadoda
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#56
1,1,1,2-Tetrachloroethane
Concen: 10.274 ppbv
RT: 12.15 min Scan# 2912
Delta R.T. -0.00 min
Lab File: VL036099.D
Acq: 8 Dec 2020 17:13

Tgt Ion:131 Resp: 1082715
Ion Ratio Lower Upper
131 100
133 94.9 77.7 116.5
119 59.3 51.6 77.4





#57

Chlorobenzene

Concen: 10.304 ppbv

RT: 12.17 min Scan# 2918

Delta R.T. -0.01 min

Lab File: VL036099.D

Acq: 8 Dec 2020 17:13

Instrument :

MSVOA_L

ClientSampleId :

VL1208ABS01

Tot Ion: 112 Resp: 1838519

Ion Ratio Lower Upper

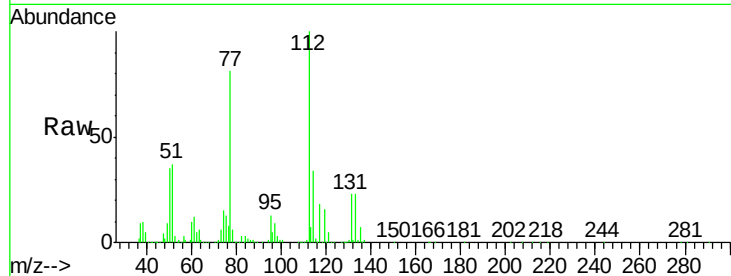
112 100

77 79.6 60.5 90.7

114 33.5 29.2 35.6

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Abundance Ion 112.10 (111.80 to 112.80): V

Ion 77.10 (76.80 to 77.80): VL0

Ion 114.10 (113.80 to 114.80): V

1000000

800000

600000

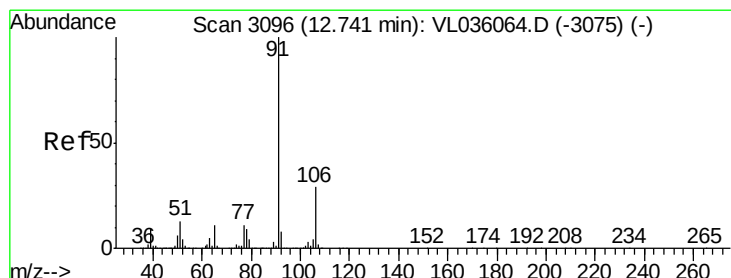
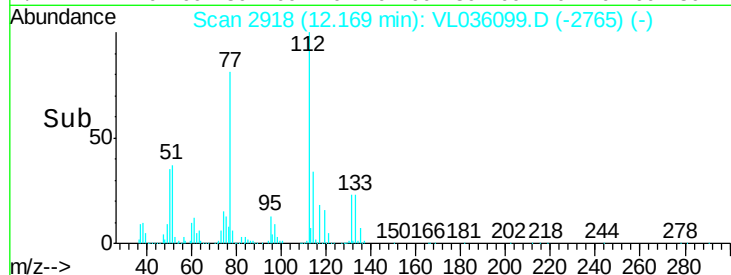
400000

200000

0

12.10 12.20

Time-->



#58

Ethyl Benzene

Concen: 10.836 ppbv

RT: 12.73 min Scan# 3094

Delta R.T. -0.01 min

Lab File: VL036099.D

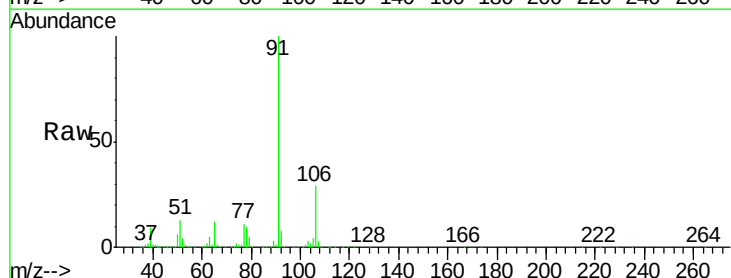
Acq: 8 Dec 2020 17:13

Tgt Ion: 91 Resp: 3774176

Ion Ratio Lower Upper

91 100

106 29.0 23.0 34.4



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V

1500000

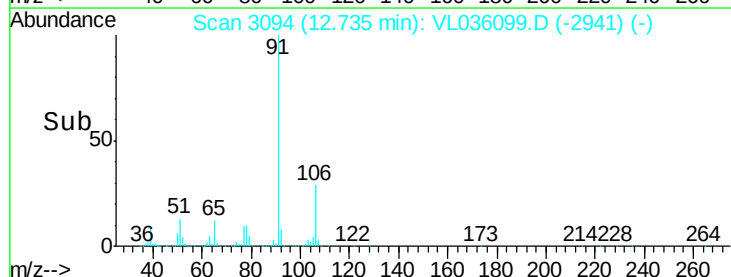
1000000

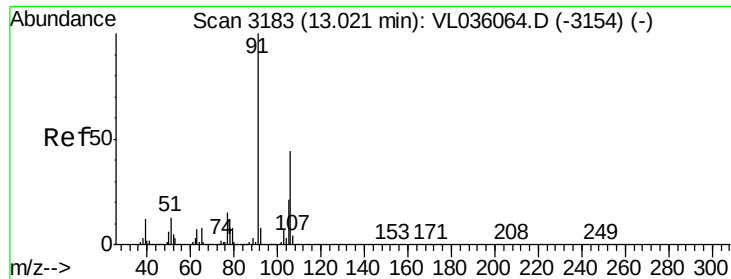
500000

0

12.60 12.70 12.80

Time-->





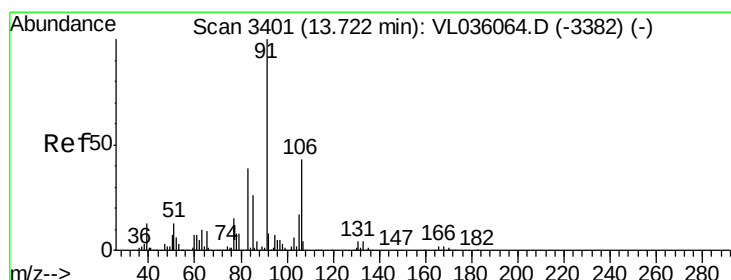
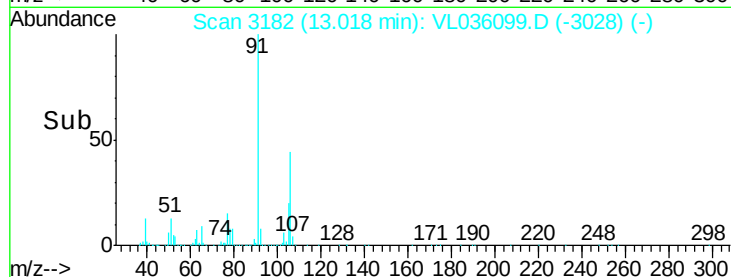
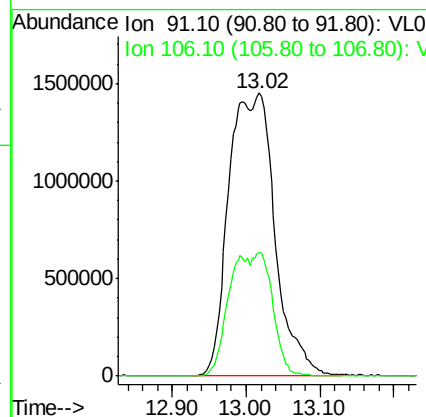
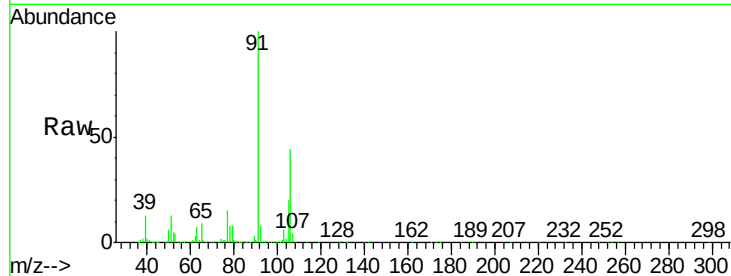
#59
m/p-Xylene
Concen: 21.462 ppbv m
RT: 13.02 min Scan# 3182
Delta R.T. -0.00 min
Lab File: VL036099.D
Acq: 8 Dec 2020 17:13

Instrument :
MSVOA_L
ClientSampleId :
VL1208ABS01

Tot Ion: 91 Resp: 6296341
Ion Ratio Lower Upper
91 100
106 40.8 33.6 50.4

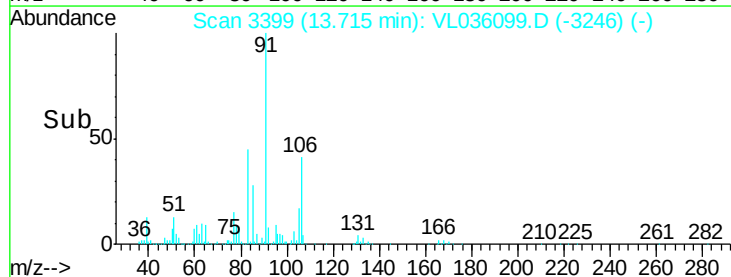
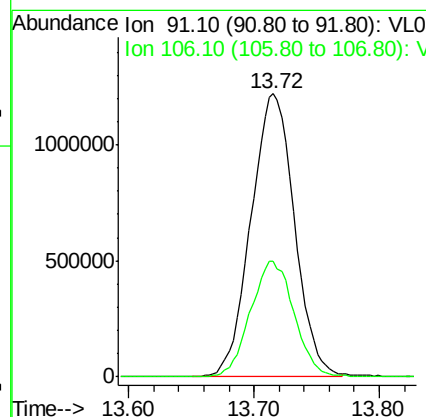
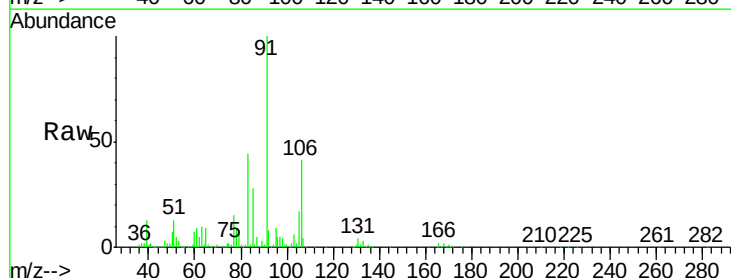
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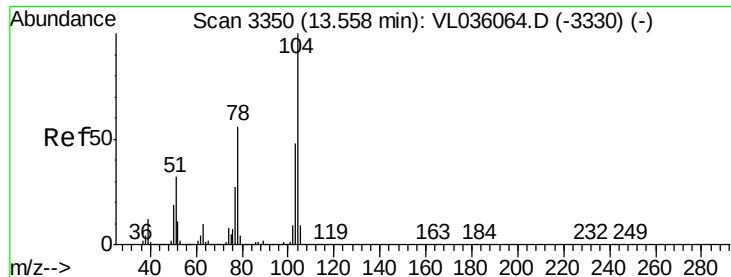
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#60
o-Xylene
Concen: 10.611 ppbv
RT: 13.72 min Scan# 3399
Delta R.T. -0.01 min
Lab File: VL036099.D
Acq: 8 Dec 2020 17:13

Tgt Ion: 91 Resp: 2932890
Ion Ratio Lower Upper
91 100
106 41.4 21.6 64.6





#61

Stvrene

Concen: 11.451 ppbv

RT: 13.55 min Scan# 3348

Delta R.T. -0.01 min

Lab File: VL036099.D

Acq: 8 Dec 2020 17:13

Instrument :

MSVOA_L

ClientSampleId :

VL1208ABS01

Tot Ion:104 Resp: 2032093

Ion Ratio Lower Upper

104 100

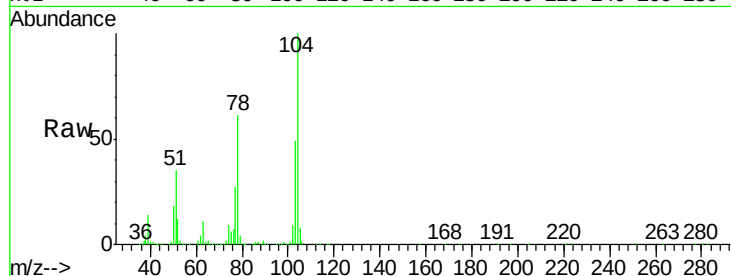
78 60.6 45.8 68.8

103 48.0 38.6 57.8

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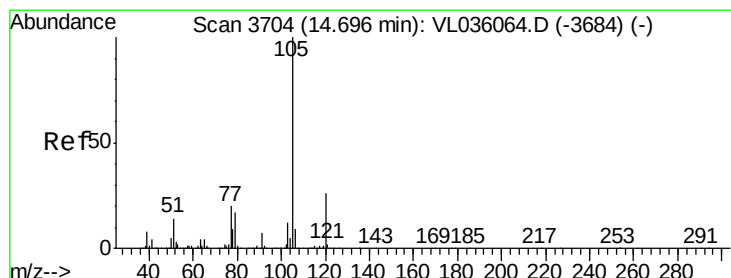
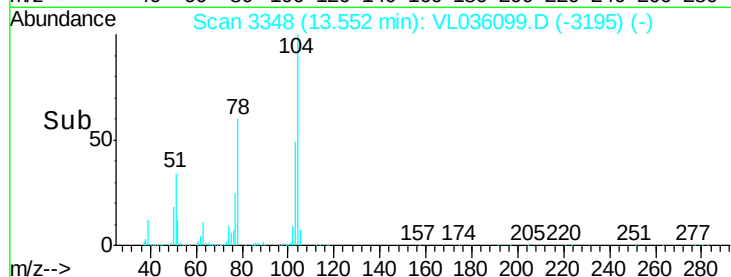
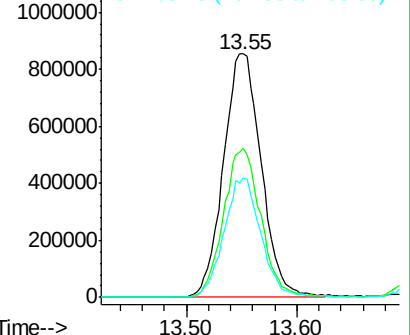
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Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VL0

Ion 103.10 (102.80 to 103.80): V



#62

Isopropylbenzene

Concen: 10.378 ppbv

RT: 14.69 min Scan# 3702

Delta R.T. -0.01 min

Lab File: VL036099.D

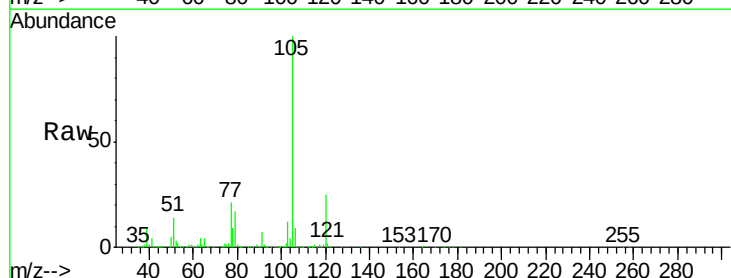
Acq: 8 Dec 2020 17:13

Tgt Ion:105 Resp: 4251906

Ion Ratio Lower Upper

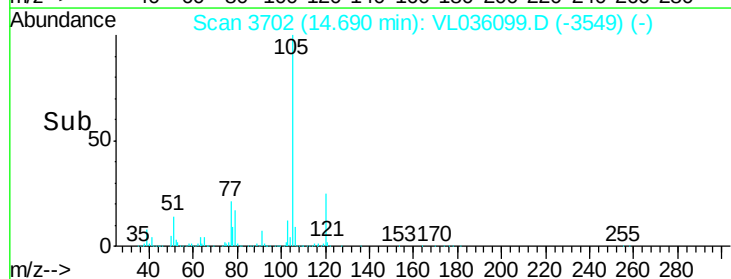
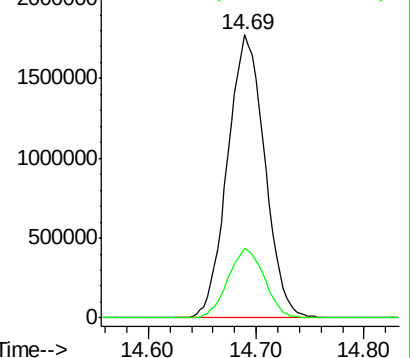
105 100

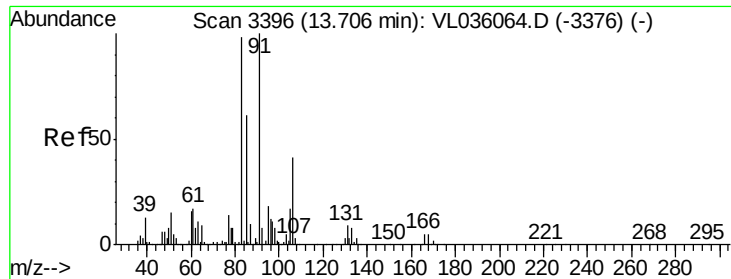
120 24.2 20.1 30.1



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V





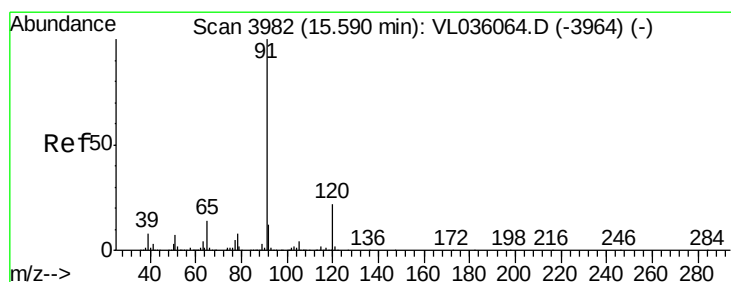
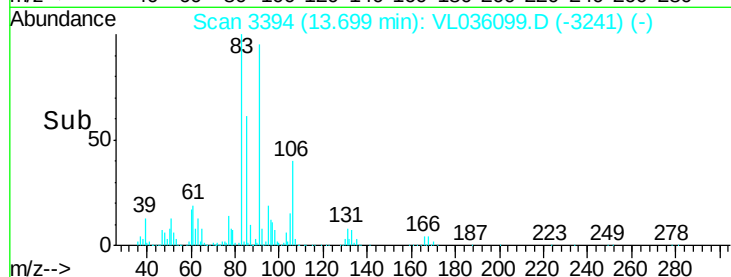
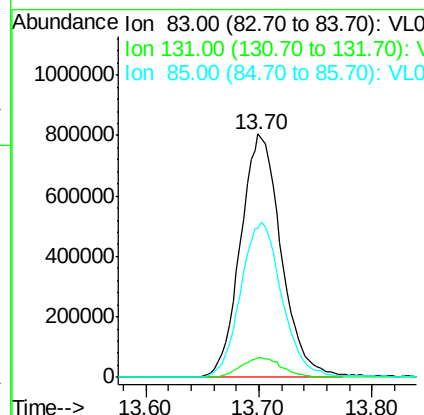
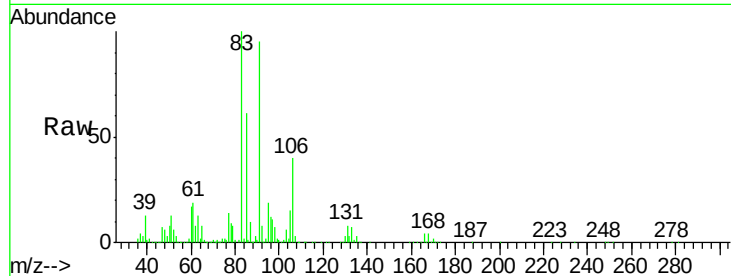
#63
 1,1,2,2-Tetrachloroethane
 Concen: 10.806 ppbv
 RT: 13.70 min Scan# 3394
 Delta R.T. -0.01 min
 Lab File: VL036099.D
 Acq: 8 Dec 2020 17:13

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1208ABS01

Tot Ion	83	Resp	2011581
Ion	Ratio	Lower	Upper
83	100		
131	8.2	4.6	13.8
85	65.0	32.5	97.5

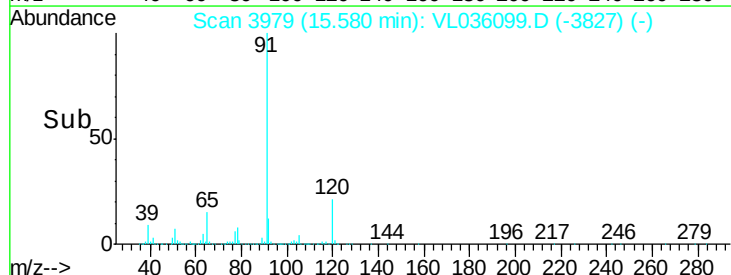
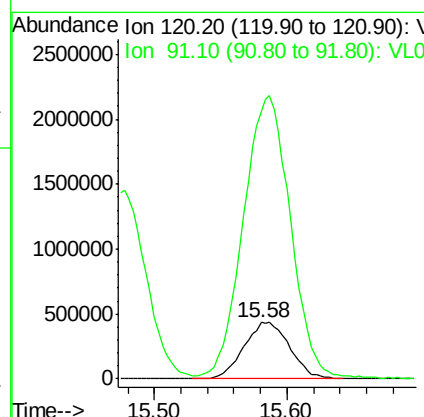
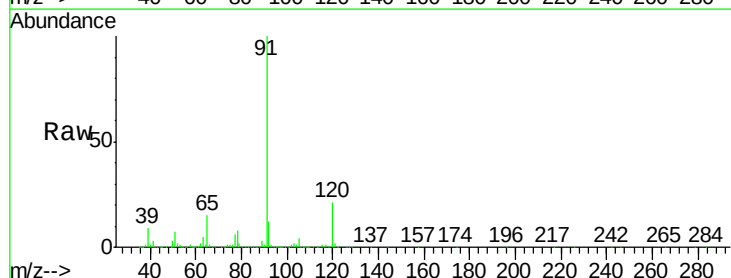
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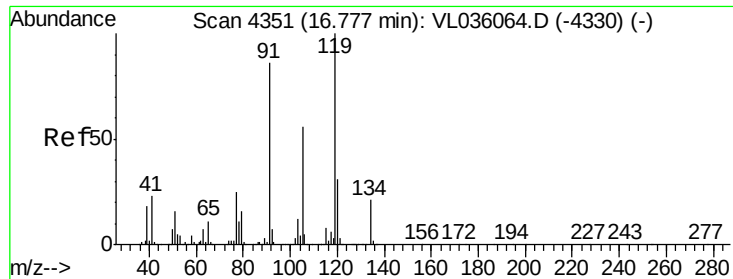
MMDadoda
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#64
 n-propylbenzene
 Concen: 10.592 ppbv
 RT: 15.58 min Scan# 3979
 Delta R.T. -0.01 min
 Lab File: VL036099.D
 Acq: 8 Dec 2020 17:13

Tgt Ion	120	Resp	1044071
Ion	Ratio	Lower	Upper
120	100		
91	516.7	388.9	583.3





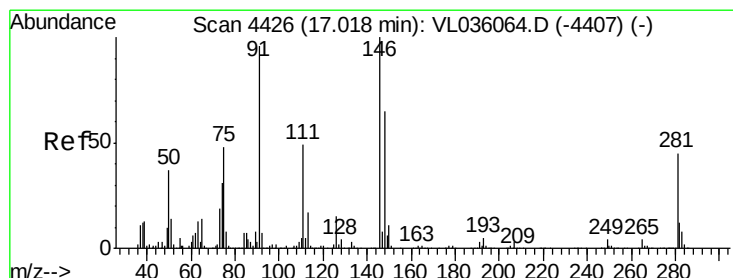
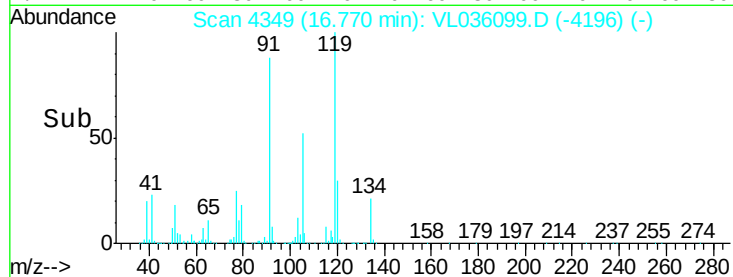
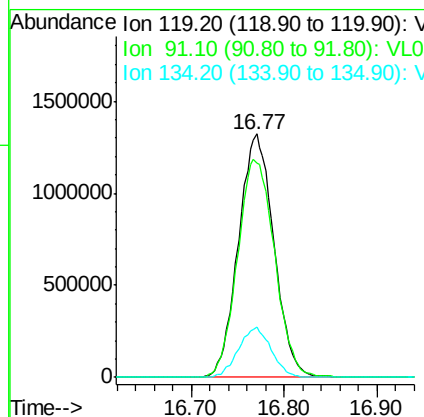
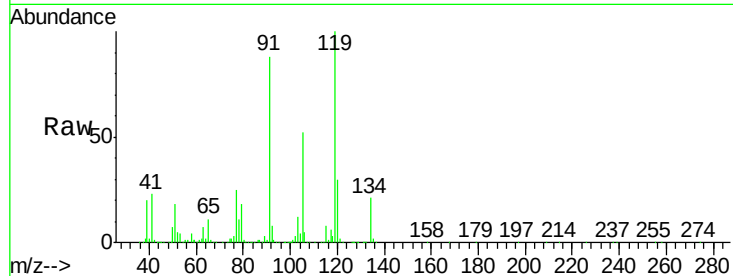
#65
tert-Butylbenzene
Concen: 10.435 ppbv
RT: 16.77 min Scan# 4349
Delta R.T. -0.01 min
Lab File: VL036099.D
Acq: 8 Dec 2020 17:13

Instrument :
MSVOA_L
ClientSampleId :
VL1208ABS01

Tot Ion:119 Resp: 3499441
Ion Ratio Lower Upper
119 100
91 93.8 70.2 105.2
134 19.1 15.8 23.6

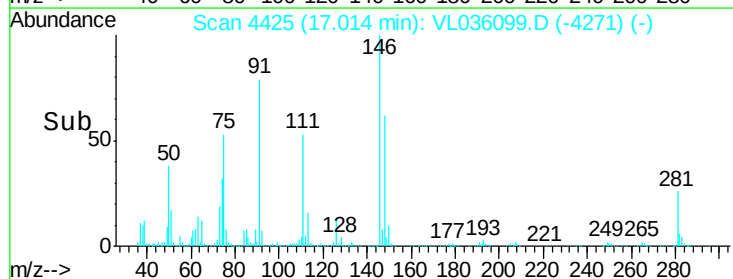
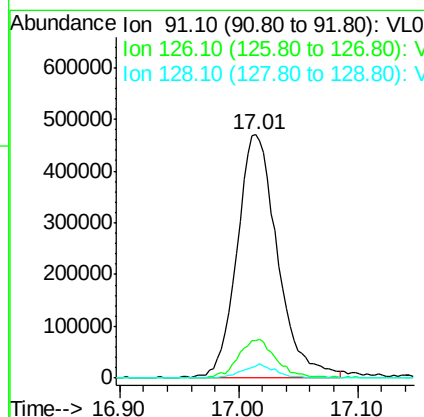
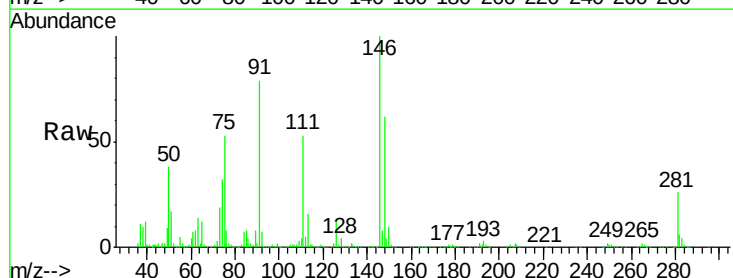
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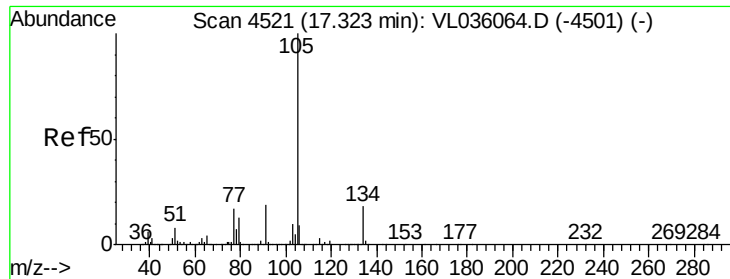
MMDadoda
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#66
Benzyl Chloride
Concen: 13.124 ppbv
RT: 17.01 min Scan# 4425
Delta R.T. -0.00 min
Lab File: VL036099.D
Acq: 8 Dec 2020 17:13

Tgt Ion: 91 Resp: 1095874
Ion Ratio Lower Upper
91 100
126 15.5 13.5 20.3
128 4.8 4.4 6.6





#67

sec-Butylbenzene

Concen: 10.868 ppbv

RT: 17.32 min Scan# 4520

Delta R.T. -0.00 min

Lab File: VL036099.D

Acq: 8 Dec 2020 17:13

Instrument :

MSVOA_L

ClientSampleId :

VL1208ABS01

Tot Ion:105 Resp: 5100984

Ion Ratio Lower Upper

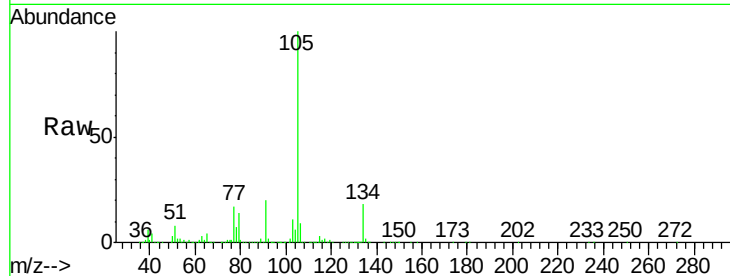
105 100

134 17.2 14.2 21.4

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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V

2000000

1500000

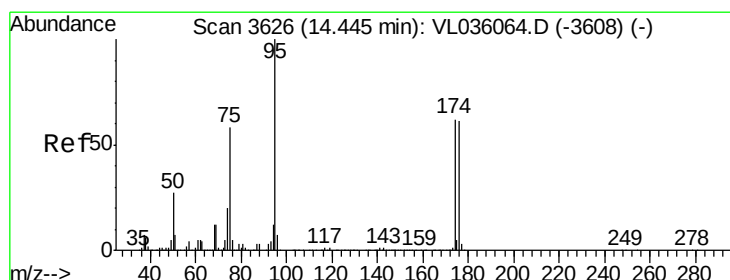
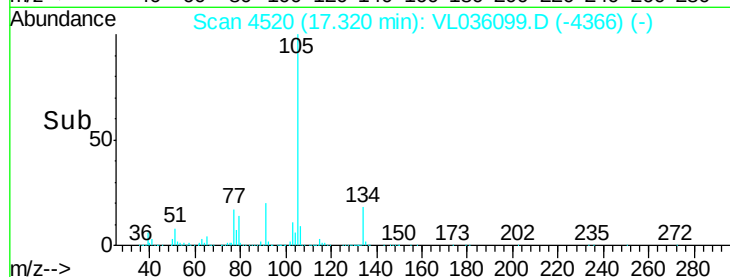
1000000

500000

0

17.20 17.30 17.40

Time-->



#68

1-Bromo-4-Fluorobenzene

Concen: 10.451 ppbv

RT: 14.44 min Scan# 3624

Delta R.T. -0.01 min

Lab File: VL036099.D

Acq: 8 Dec 2020 17:13

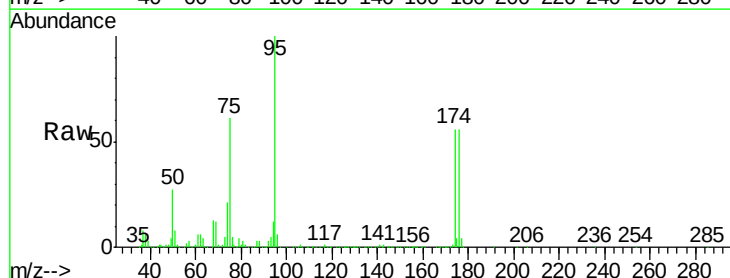
Tgt Ion: 95 Resp: 2109133

Ion Ratio Lower Upper

95 100

174 56.7 50.7 76.1

175 4.2 4.0 6.0



Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V

1200000

1000000

800000

600000

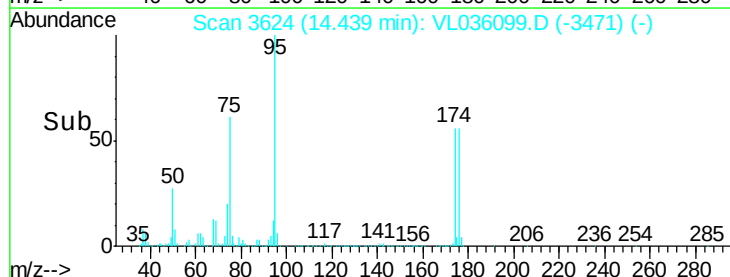
400000

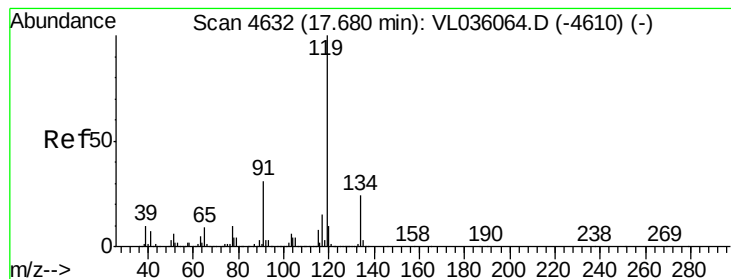
200000

0

14.35 14.40 14.45 14.50

Time-->





#69

p-Isopropyltoluene

Concen: 10.782 ppbv

RT: 17.68 min Scan# 4631

Delta R.T. -0.00 min

Lab File: VL036099.D

Acq: 8 Dec 2020 17:13

Instrument :

MSVOA_L

ClientSampleId :

VL1208ABS01

Tot Ion:119 Resp: 4025247

Ion Ratio Lower Upper

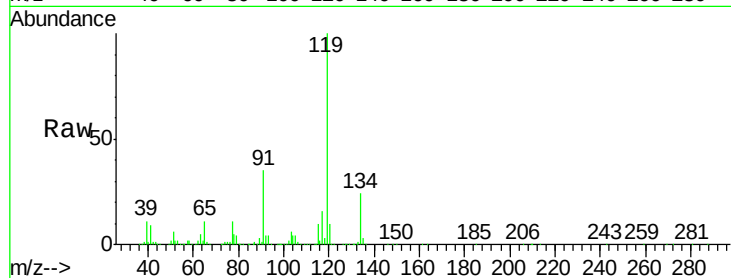
119 100

134 24.1 19.8 29.6

91 34.5 25.8 38.6

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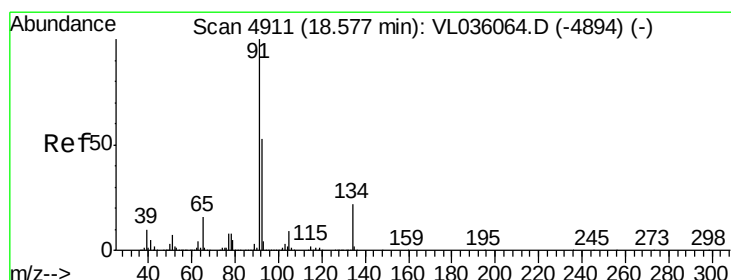
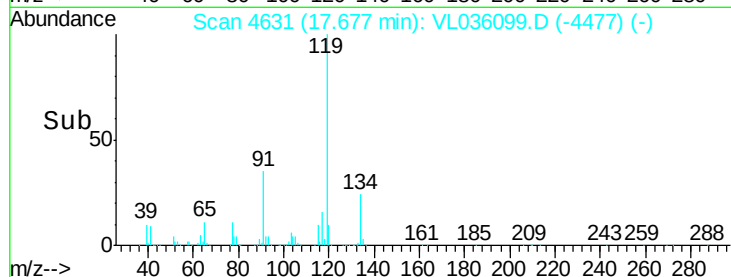
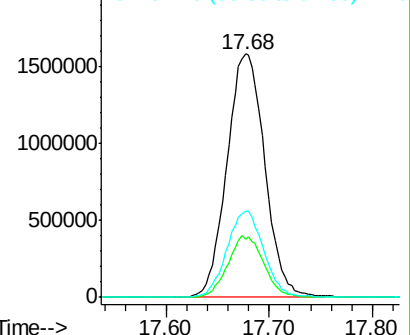
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Abundance Ion 119.10 (118.80 to 119.80): V

Ion 134.20 (133.90 to 134.90): V

Ion 91.10 (90.80 to 91.80): V



#70

n-Butylbenzene

Concen: 12.077 ppbv

RT: 18.58 min Scan# 4911

Delta R.T. -0.00 min

Lab File: VL036099.D

Acq: 8 Dec 2020 17:13

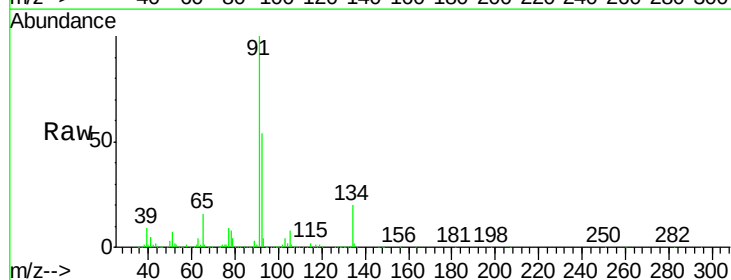
Tgt Ion: 91 Resp: 4456083

Ion Ratio Lower Upper

91 100

92 53.9 43.3 64.9

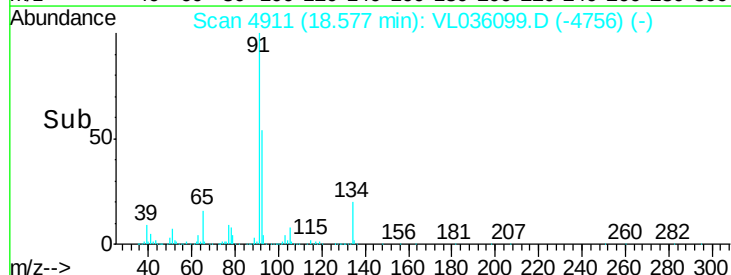
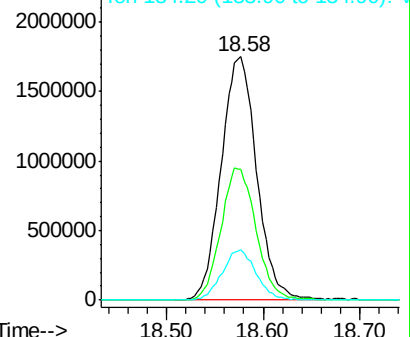
134 20.0 17.1 25.7

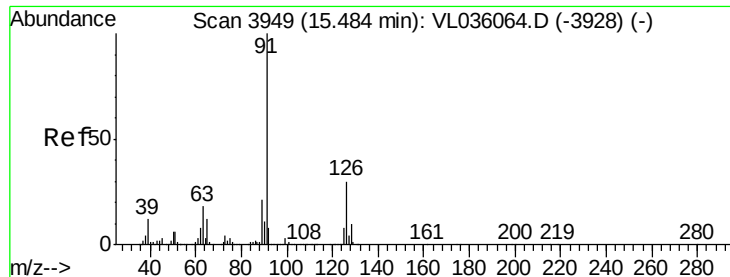


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0

Ion 134.20 (133.90 to 134.90): V





#71

2-Chlorotoluene

Concen: 11.278 ppbv

RT: 15.48 min Scan# 3947

Delta R.T. -0.01 min

Lab File: VL036099.D

Acq: 8 Dec 2020 17:13

Instrument :

MSVOA_L

ClientSampleId :

VL1208ABS01

Tot Ion: 91 Resp: 3492694

Ion Ratio Lower Upper

91 100

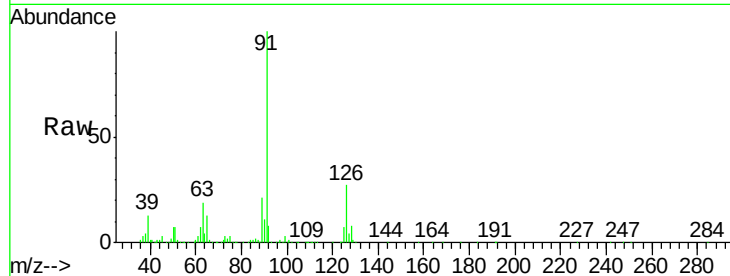
126 26.8 11.6 46.4

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Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

2500000

2000000

1500000

1000000

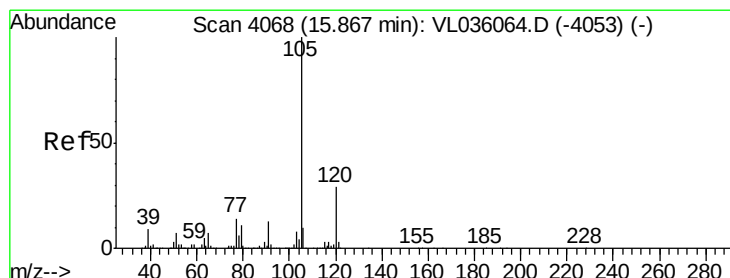
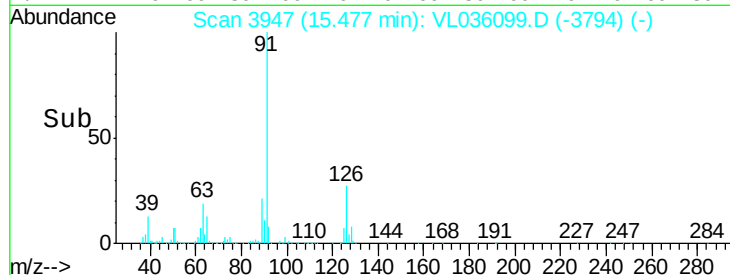
500000

0

15.40

15.50

Time-->



#72

4-Ethyltoluene

Concen: 11.133 ppbv

RT: 15.86 min Scan# 4067

Delta R.T. -0.00 min

Lab File: VL036099.D

Acq: 8 Dec 2020 17:13

Tgt Ion:105 Resp: 3333395

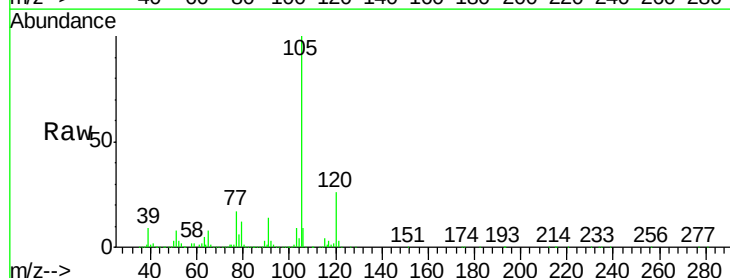
Ion Ratio Lower Upper

105 100

120 27.5 23.6 35.4

91 14.3 11.4 17.0

77 16.5 12.1 18.1



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

2000000

1500000

1000000

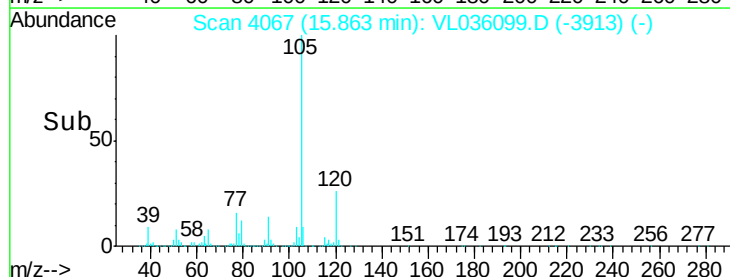
500000

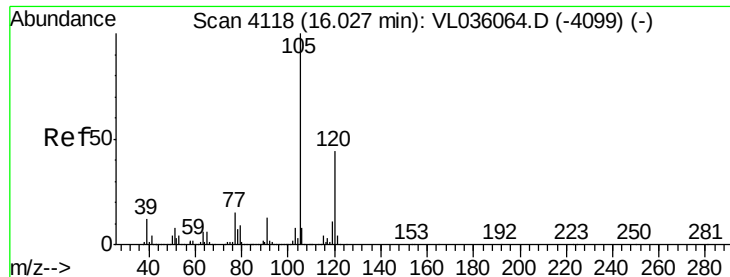
0

15.80

15.90

Time-->





#73

1,3,5-Trimethylbenzene

Concen: 10.915 ppbv

RT: 16.02 min Scan# 4116

Delta R.T. -0.01 min

Lab File: VL036099.D

Acq: 8 Dec 2020 17:13

Instrument :

MSVOA_L

ClientSampleId :

VL1208ABS01

Tot Ion:105 Resp: 3121178

Ion Ratio Lower Upper

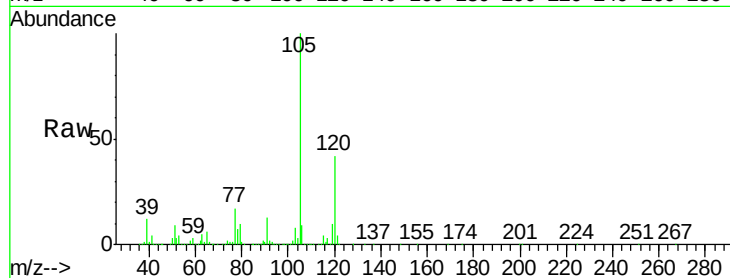
105 100

120 42.1 35.4 53.2

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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

1500000

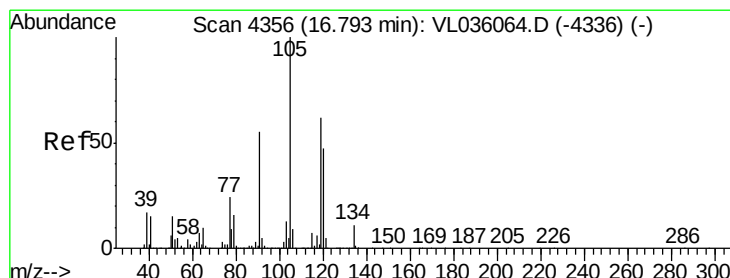
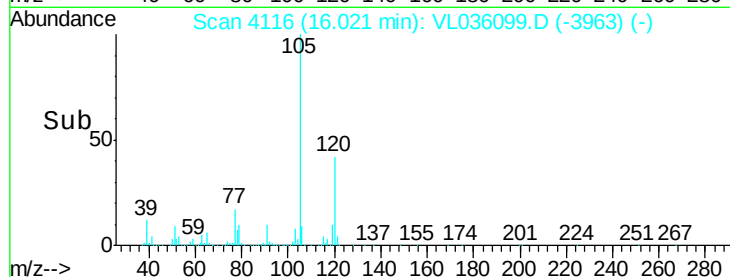
1000000

500000

0

15.95 16.02 16.05 16.10

Time-->



#74

1,2,4-Trimethylbenzene

Concen: 10.859 ppbv

RT: 16.79 min Scan# 4355

Delta R.T. -0.00 min

Lab File: VL036099.D

Acq: 8 Dec 2020 17:13

Tgt Ion:105 Resp: 3117056

Ion Ratio Lower Upper

105 100

120 44.1 37.4 56.0

91 52.7 45.6 68.4

77 22.9 19.4 29.2

Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

2000000

1500000

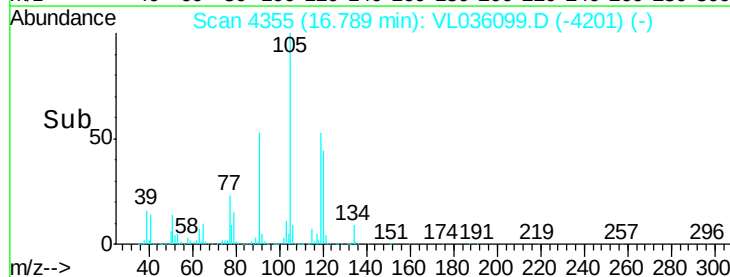
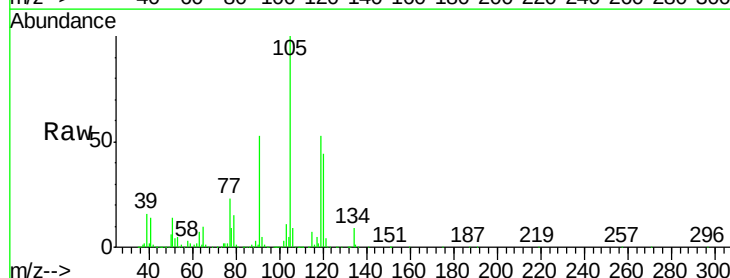
1000000

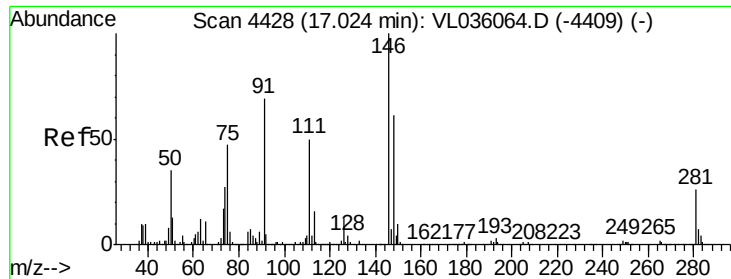
500000

0

16.70 16.79 16.80

Time-->





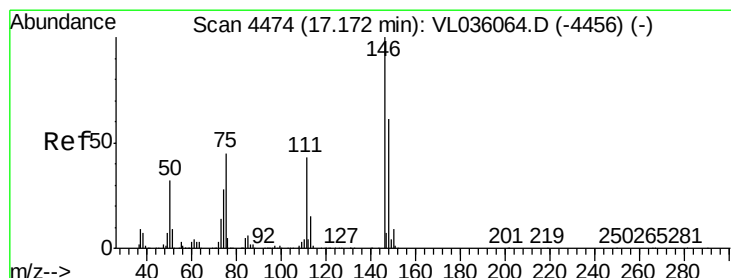
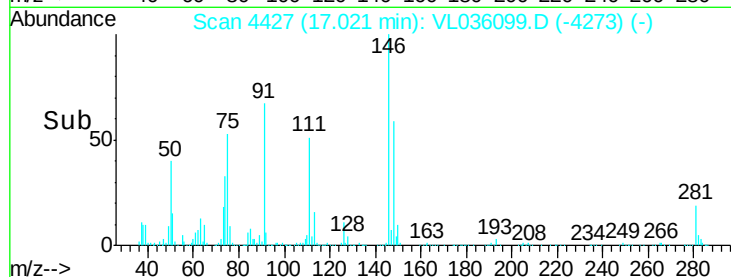
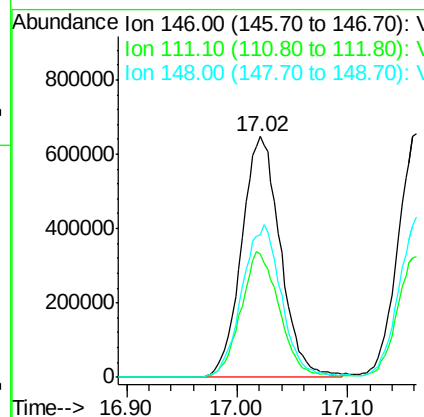
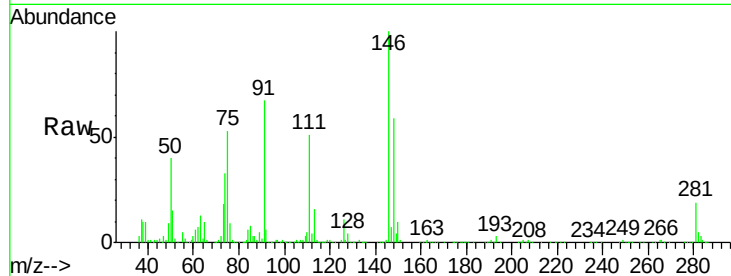
#75
 1,3-Dichlorobenzene
 Concen: 10.994 ppbv
 RT: 17.02 min Scan# 4427
 Delta R.T. -0.00 min
 Lab File: VL036099.D
 Acq: 8 Dec 2020 17:13

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1208ABS01

Tot Ion:146 Resp: 1579718
 Ion Ratio Lower Upper
 146 100
 111 51.8 25.1 75.3
 148 64.5 32.9 98.6

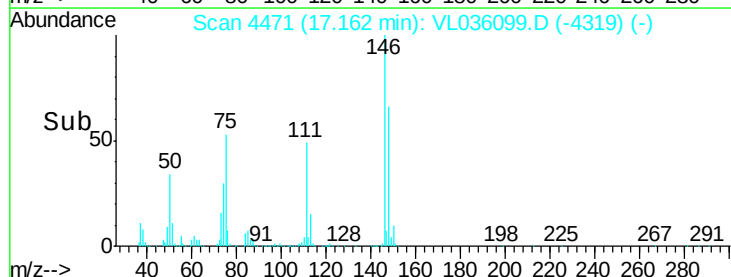
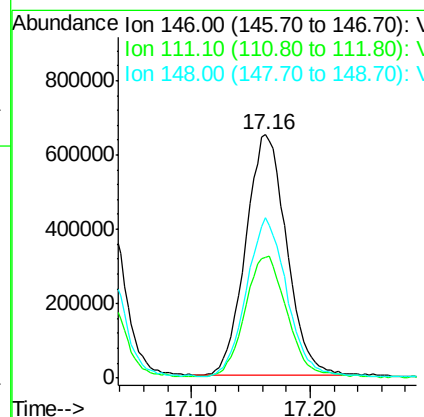
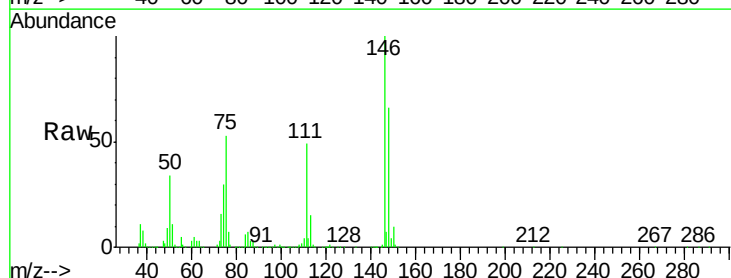
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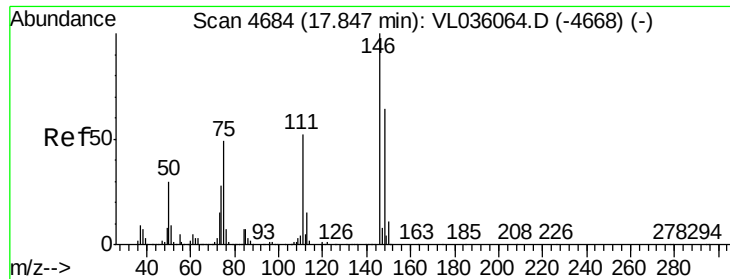
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#76
 1,4-Dichlorobenzene
 Concen: 10.569 ppbv
 RT: 17.16 min Scan# 4471
 Delta R.T. -0.01 min
 Lab File: VL036099.D
 Acq: 8 Dec 2020 17:13

Tgt Ion:146 Resp: 1546118
 Ion Ratio Lower Upper
 146 100
 111 52.7 24.3 72.8
 148 66.8 32.8 98.3





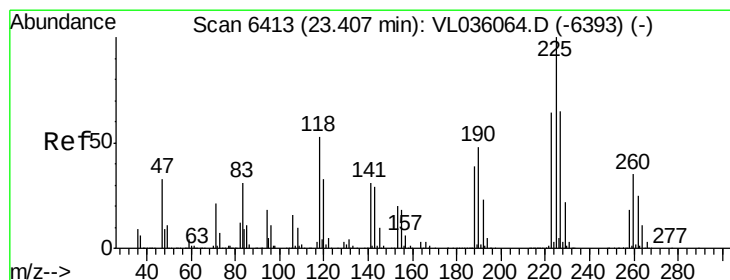
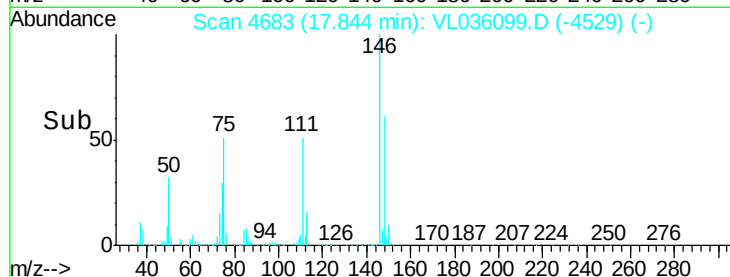
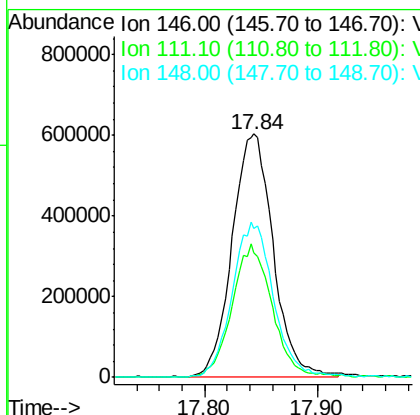
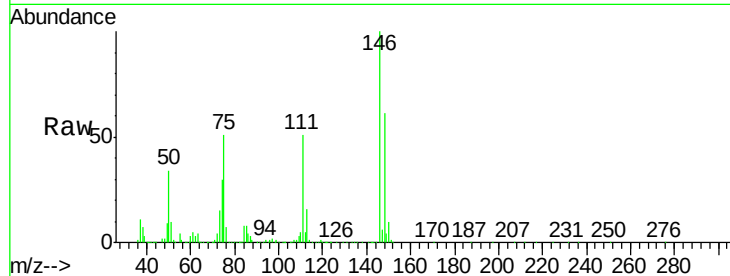
#77
 1,2-Dichlorobenzene
 Concen: 11.027 ppbv
 RT: 17.84 min Scan# 4683
 Delta R.T. -0.00 min
 Lab File: VL036099.D
 Acq: 8 Dec 2020 17:13

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1208ABS01

Tot Ion:146 Resp: 1512834
 Ion Ratio Lower Upper
 146 100
 111 54.2 26.1 78.2
 148 64.6 33.1 99.5

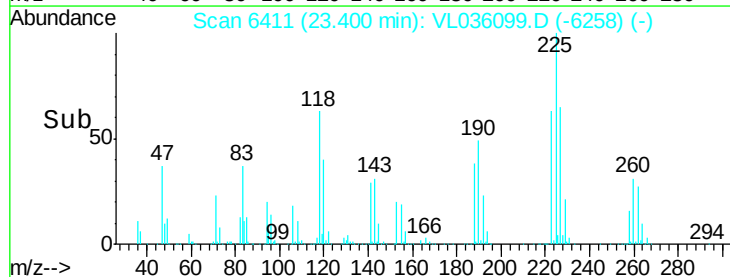
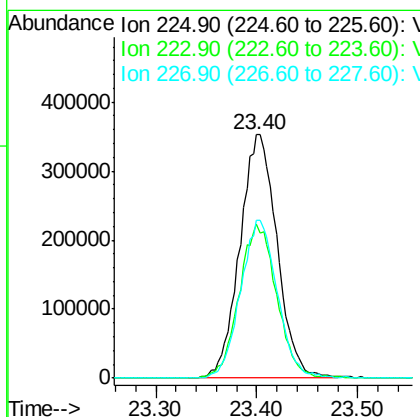
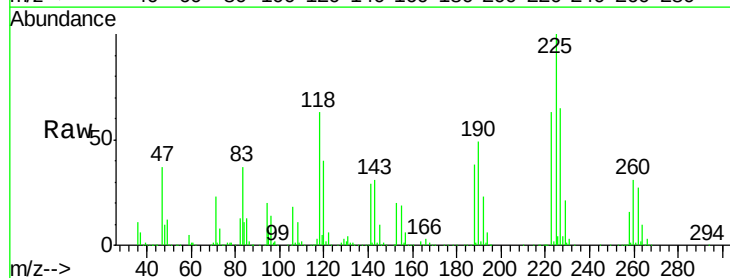
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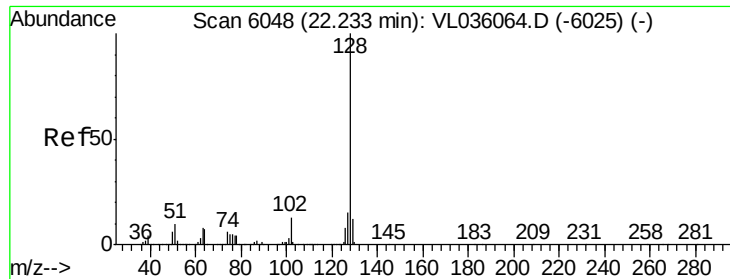
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#78
 Hexachloro-1,3-Butadiene
 Concen: 8.224 ppbv
 RT: 23.40 min Scan# 6411
 Delta R.T. -0.01 min
 Lab File: VL036099.D
 Acq: 8 Dec 2020 17:13

Tgt Ion:225 Resp: 904229
 Ion Ratio Lower Upper
 225 100
 223 63.9 51.1 76.7
 227 64.3 51.7 77.5





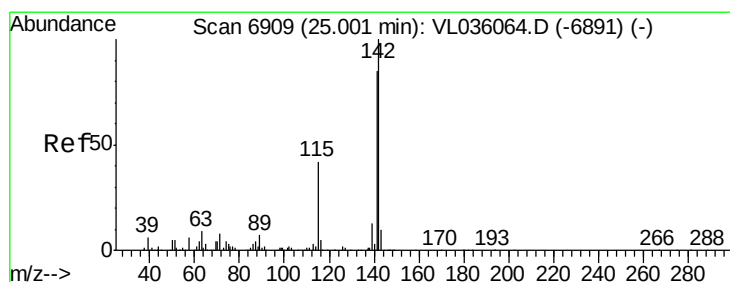
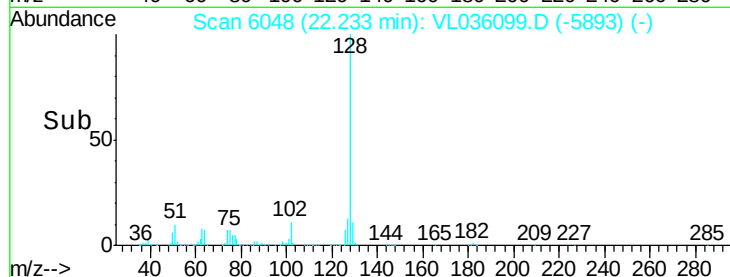
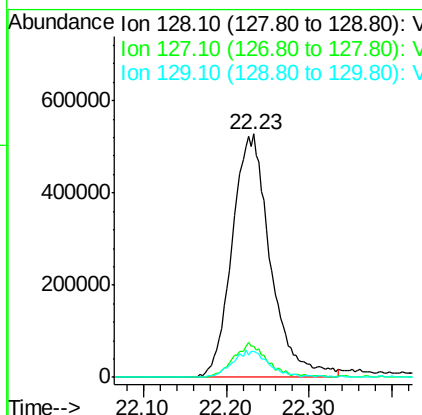
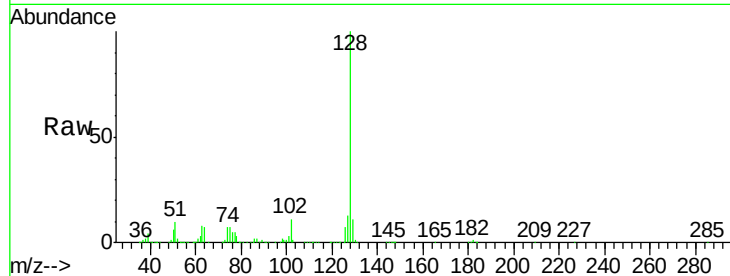
#79
Naphthalene
Concen: 11.603 ppbv m
RT: 22.23 min Scan# 6048
Delta R.T. -0.00 min
Lab File: VL036099.D
Acq: 8 Dec 2020 17:13

Instrument :
MSVOA_L
ClientSampleId :
VL1208ABS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.7	11.7	17.5
129	10.9	9.3	13.9

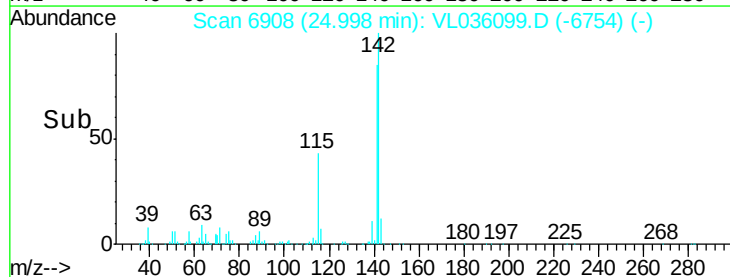
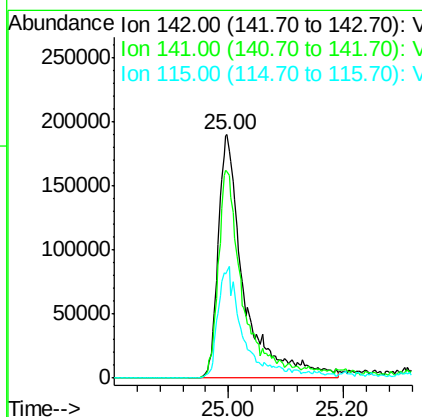
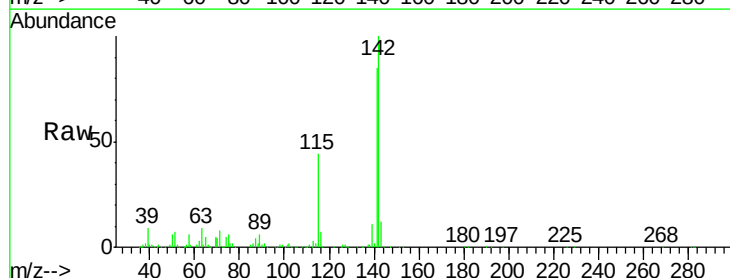
Manual Integrations
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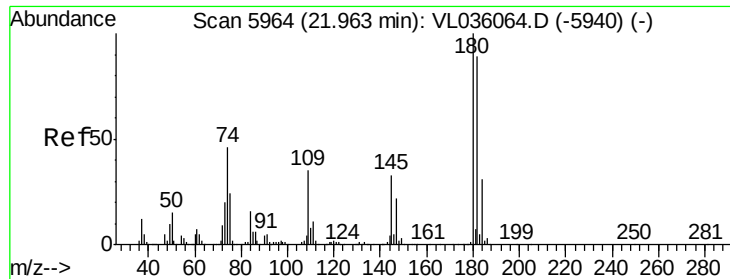
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#80
Naphthalene, 2-methyl-
Concen: 18.298 ppbv
RT: 25.00 min Scan# 6908
Delta R.T. -0.00 min
Lab File: VL036099.D
Acq: 8 Dec 2020 17:13

Tgt Ion	Ratio	Lower	Upper
142	100		
141	83.9	64.3	96.5
115	46.4	33.9	50.9





#81
 1,2,4-Trichlorobenzene
 Concen: 9.259 ppbv
 RT: 21.96 min Scan# 5962
 Delta R.T. -0.01 min
 Lab File: VL036099.D
 Acq: 8 Dec 2020 17:13

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1208ABS01

Tot Ion:	180	Resp:	902584
Ion Ratio	Lower	Upper	
180	100		
182	100.3	0.0	0.0#
184	33.3	0.0	0.0#

Manual Integrations
 APPROVED

MMDadoda
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