

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL013020\
 Data File : VL034575.D
 Acq On : 30 Jan 2020 16:35
 Operator : SY/AP
 Sample : VSTDICV010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL013020

Manual Integrations
 APPROVED

MMDadoda
 1/31/2020 4:25:28 PM

Quant Time: Jan 30 17:22:36 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL013020AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Jan 30 17:16:44 2020
 QLast Update : Thu Jan 30 17:16:44 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1220446	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.19	114	2493514	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.12	117	2629993m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.46	95	2118887	9.53	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	95.30%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.01	85	2186386	8.134	ppbv	97
3) Chlorodifluoromethane	2.95	51	1364777	9.255	ppbv	98
4) Chloromethane	3.10	50	759749	8.420	ppbv	100
5) Vinyl Chloride	3.22	62	735809	8.538	ppbv	98
6) Bromomethane	3.44	94	430387	9.601	ppbv	99
7) Chloroethane	3.53	64	282602	8.817	ppbv	98
8) Dichlorotetrafluoroethane	3.15	85	1734231	8.254	ppbv	99
9) Propene	2.97	41	554240	9.653	ppbv	99
10) Heptane	8.13	43	1399512	9.685	ppbv	99
11) Trichlorofluoromethane	3.92	101	1997434	8.180	ppbv	95
12) 1,1,2-Trichlorotrifluoroet	4.46	101	1344601	8.439	ppbv	100
13) Ethanol	3.57	45	126735	8.240	ppbv	99
14) Bromoethene	3.71	108	551448	8.823	ppbv	99
15) Acetone	3.82	43	1514827	8.445	ppbv	97
16) 1,3-Butadiene	3.29	39	660949	9.279	ppbv	98
17) tert-Butyl alcohol	4.27	59	1175114	8.908	ppbv	100
18) 1,1-Dichloroethene	4.27	96	587860	8.741	ppbv	98
19) Isopropyl Alcohol	3.94	45	891996	8.522	ppbv #	98
20) Methylene Chloride	4.32	84	516567	7.563	ppbv	98
21) Allyl Chloride	4.39	41	993925	8.922	ppbv	95
22) trans-1,2-Dichloroethene	4.87	96	606863	8.616	ppbv	96
23) Vinyl Acetate	5.06	43	2111870	10.320	ppbv	98
24) 1,1-Dichloroethane	5.00	63	1534100	8.979	ppbv	99
25) Ethyl Acetate	5.67	43	2512529	8.652	ppbv	100
26) Hexane	5.68	57	1131285	9.301	ppbv	94
27) Carbon Disulfide	4.53	76	1498736	9.132	ppbv	99
28) Methyl tert-Butyl Ether	5.02	73	2025537	9.765	ppbv	99
29) Chloroform	5.75	83	1843062	8.570	ppbv	99
30) Cyclohexane	7.14	84	896629	9.948	ppbv	100
31) cis-1,2-Dichloroethene	5.54	61	1200552	9.500	ppbv	97
32) 1,1,1-Trichloroethane	6.51	97	1928460	8.351	ppbv	99
34) 2-Butanone	5.23	43	1669235	9.220	ppbv	99
35) Carbon Tetrachloride	7.02	117	2005247	8.412	ppbv	97
36) Benzene	6.90	78	2119459	9.558	ppbv	97
37) 1,2-Dichloroethane	6.31	62	1578857	8.534	ppbv	99
38) Trichloroethene	7.85	130	859214	9.192	ppbv	97
39) 1,2-Dichloropropane	7.63	63	880744	9.581	ppbv	92
40) 1,4-Dioxane	7.84	88	300953	8.517	ppbv	81
41) Tetrahydrofuran	6.04	42	941117	9.964	ppbv	99
42) Bromodichloromethane	7.81	83	2051077	9.008	ppbv	98
43) Methyl Methacrylate	8.03	69	902243	10.116	ppbv	98

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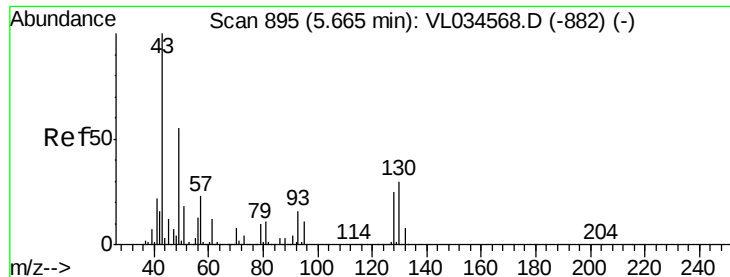
Manual Integrations
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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL013020AIR.M
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.88	57	3742010	9.301	ppbv	99
45) t-1,3-Dichloropropene	9.30	75	1166954	9.992	ppbv	96
46) cis-1,3-Dichloropropene	8.72	75	1332288	10.037	ppbv	96
47) 1,1,2-Trichloroethane	9.50	97	902255	9.062	ppbv	98
48) Dibromochloromethane	10.33	129	1707963m	9.362	ppbv	
49) Bromoform	13.08	173	1523492	9.511	ppbv	100
50) 4-Methyl-2-Pentanone	8.75	43	2436013	9.435	ppbv	100
51) 2-Hexanone	10.15	43	1987859	9.780	ppbv #	99
52) Tetrachloroethene	11.25	164	817415	9.176	ppbv	97
53) Toluene	9.83	91	2430112	9.976	ppbv	99
54) 1,2-Dibromoethane	10.64	107	1430232	9.586	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.16	131	1164045	8.965	ppbv	96
57) Chlorobenzene	12.18	112	1864735	8.617	ppbv	98
58) Ethyl Benzene	12.74	91	3336558	9.481	ppbv	94
59) m/p-Xylene	13.03	91	5613542m	18.044	ppbv	
60) o-Xylene	13.73	91	2841123	9.093	ppbv	99
61) Styrene	13.56	104	1990921	9.557	ppbv	99
62) Isopropylbenzene	14.71	105	3726572m	9.204	ppbv	
63) 1,1,2,2-Tetrachloroethane	13.72	83	2039847	8.442	ppbv	100
64) n-propylbenzene	15.60	120	969721	9.310	ppbv	96
65) tert-Butylbenzene	16.78	119	3386001	9.231	ppbv	100
66) Benzyl Chloride	17.03	91	1599515	10.400	ppbv	100
67) sec-Butylbenzene	17.34	105	4613509	9.152	ppbv	99
69) p-Isopropyltoluene	17.69	119	3867652	9.449	ppbv	100
70) n-Butylbenzene	18.59	91	4058909	9.342	ppbv	100
71) 2-Chlorotoluene	15.49	91	2904560	9.451	ppbv	99
72) 4-Ethyltoluene	15.88	105	3186015	9.283	ppbv	99
73) 1,3,5-Trimethylbenzene	16.03	105	3089067	9.211	ppbv	99
74) 1,2,4-Trimethylbenzene	16.80	105	3238883	8.724	ppbv #	90
75) 1,3-Dichlorobenzene	17.04	146	1808996	8.463	ppbv	100
76) 1,4-Dichlorobenzene	17.18	146	1793660	8.514	ppbv	100
77) 1,2-Dichlorobenzene	17.86	146	1783718	8.686	ppbv	99
78) Hexachloro-1,3-Butadiene	23.43	225	1501366	7.646	ppbv	99
79) Naphthalene	22.26	128	2599891	8.895	ppbv	99
80) Naphthalene, 2-methyl-	25.01	142	641422	5.705	ppbv	99
81) 1,2,4-Trichlorobenzene	21.99	180	1484914	8.241	ppbv	99

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 min Scan# 894

Delta R.T. -0.00 min

Lab File: VL034575.D

Acq: 30 Jan 2020 16:35

Instrument :

MSVOA_L

ClientSampleId :

ICVVL013020

Tot Ion: 49 Resp: 1220446

Ion Ratio Lower Upper

49 100

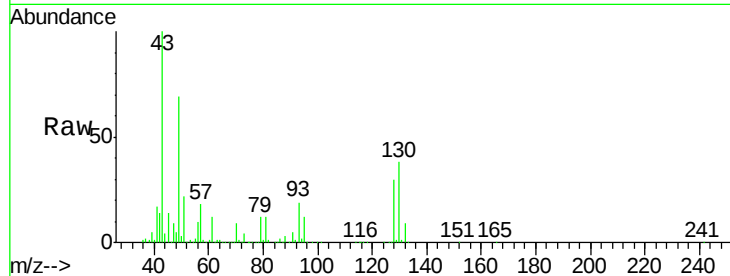
128 45.4 22.7 68.1

130 57.6 28.6 85.8

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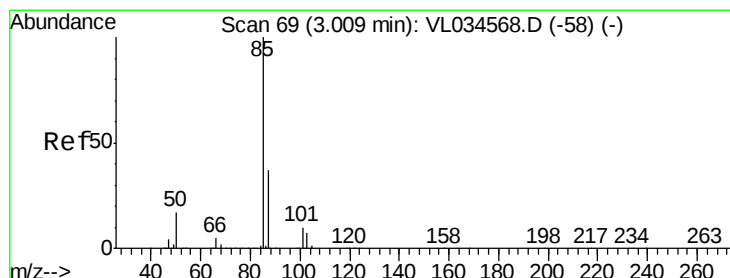
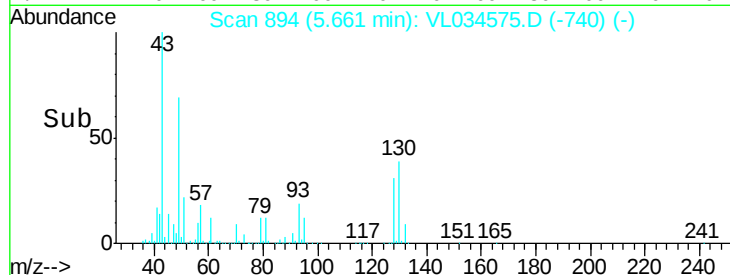
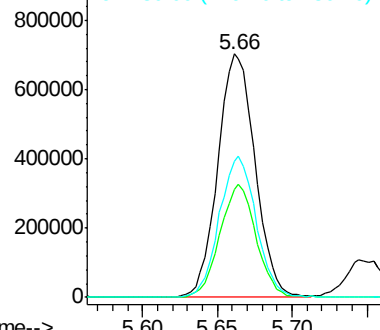
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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#2

Dichlorodifluoromethane

Concen: 8.134 ppbv

RT: 3.01 min Scan# 69

Delta R.T. -0.00 min

Lab File: VL034575.D

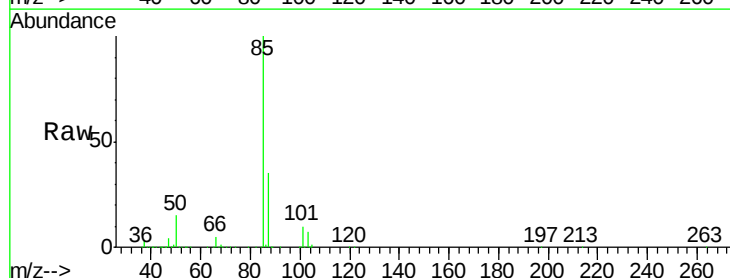
Acq: 30 Jan 2020 16:35

Tgt Ion: 85 Resp: 2186386

Ion Ratio Lower Upper

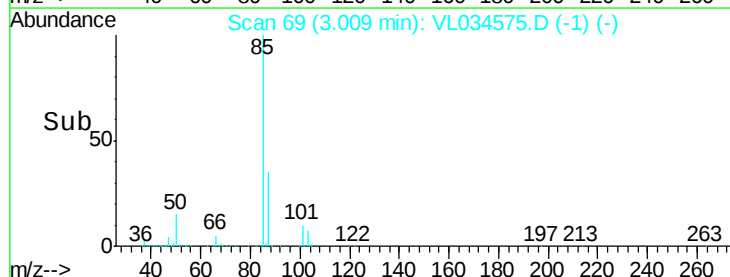
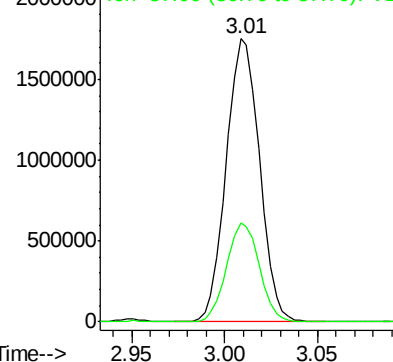
85 100

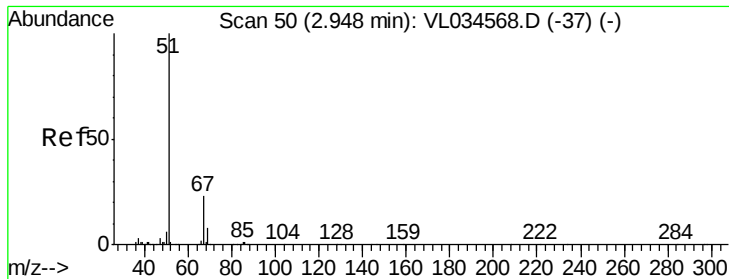
87 35.2 29.5 44.3



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 9.255 ppbv

RT: 2.95 min Scan# 50

Delta R.T. -0.00 min

Lab File: VL034575.D

Acq: 30 Jan 2020 16:35

Instrument :

MSVOA_L

ClientSampleId :

ICVVL013020

Tot Ion: 51 Resp: 1364777

Ion Ratio Lower Upper

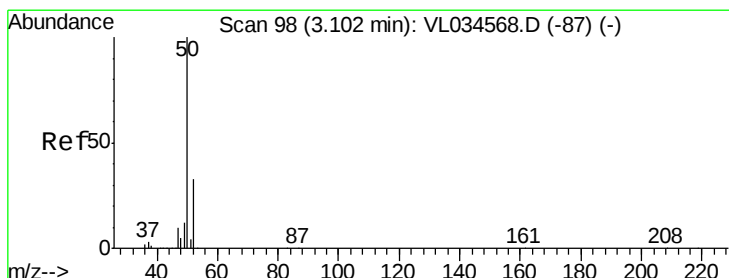
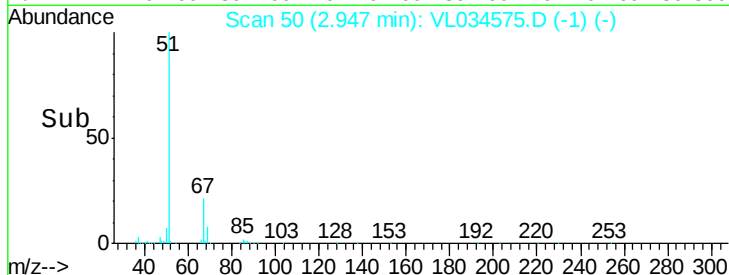
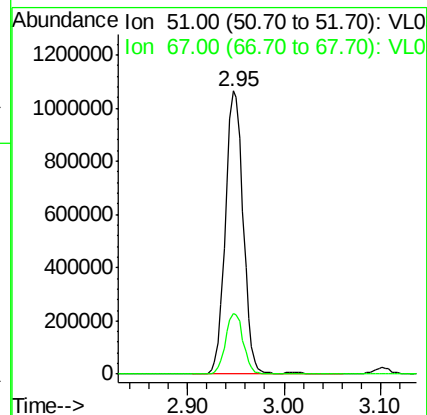
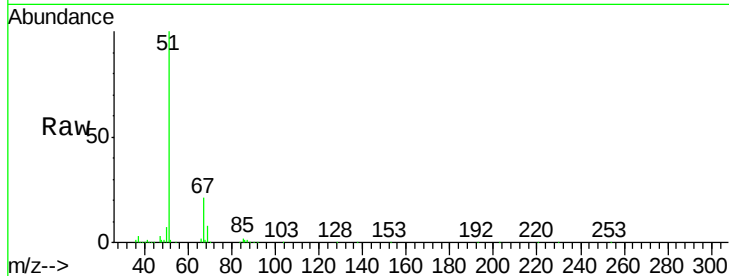
51 100

67 21.5 17.8 26.8

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#4

Chloromethane

Concen: 8.420 ppbv

RT: 3.10 min Scan# 98

Delta R.T. -0.00 min

Lab File: VL034575.D

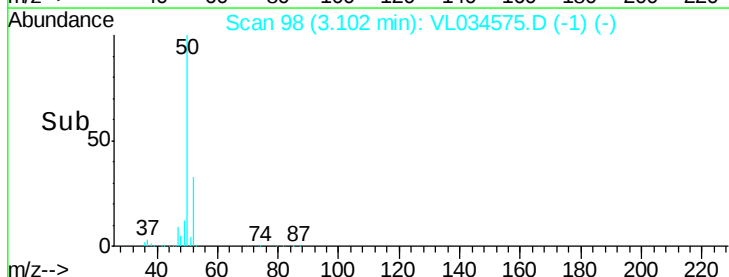
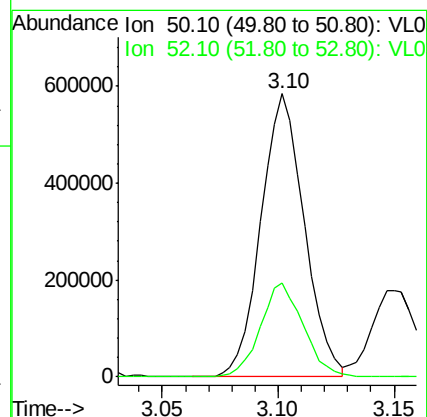
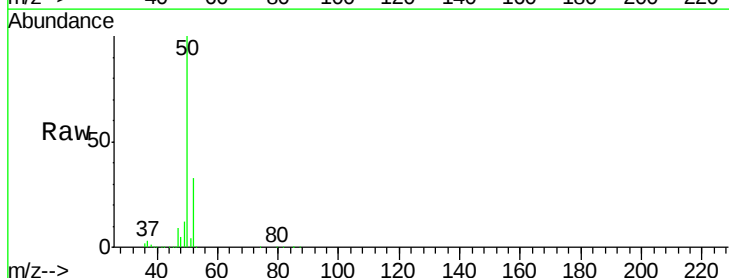
Acq: 30 Jan 2020 16:35

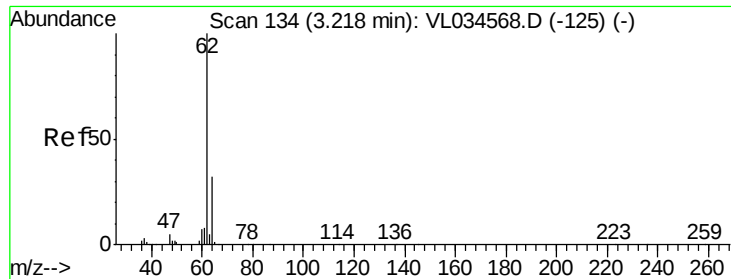
Tgt Ion: 50 Resp: 759749

Ion Ratio Lower Upper

50 100

52 33.2 26.6 39.8





#5

Vinyl Chloride

Concen: 8.538 ppbv

RT: 3.22 min Scan# 135

Delta R.T. 0.00 min

Lab File: VL034575.D

Acq: 30 Jan 2020 16:35

Instrument :

MSVOA_L

ClientSampleId :

ICVVL013020

Tot Ion: 62 Resp: 735809

Ion Ratio Lower Upper

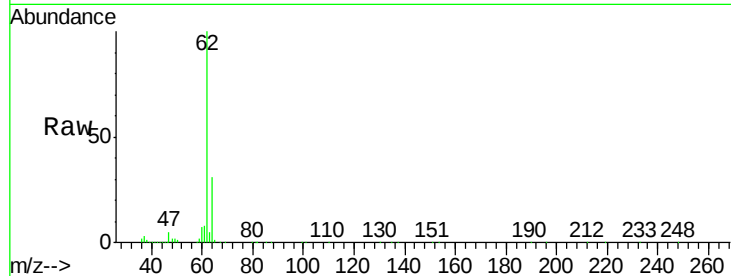
62 100

64 30.9 25.8 38.6

Manual Integrations
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Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0

3.22

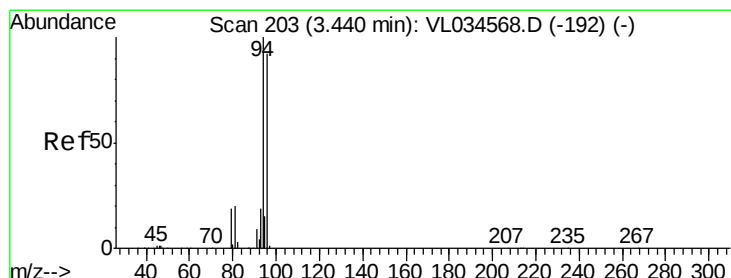
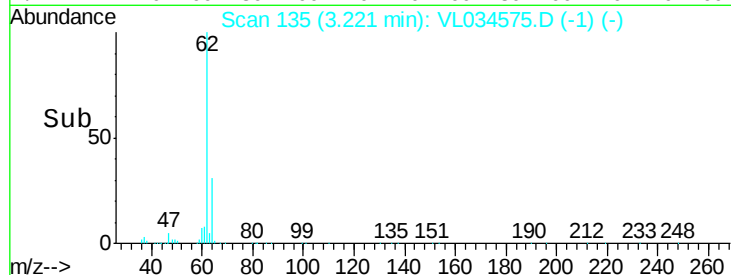
600000

400000

200000

0

Time--> 3.15 3.20 3.25



#6

Bromomethane

Concen: 9.601 ppbv

RT: 3.44 min Scan# 203

Delta R.T. -0.00 min

Lab File: VL034575.D

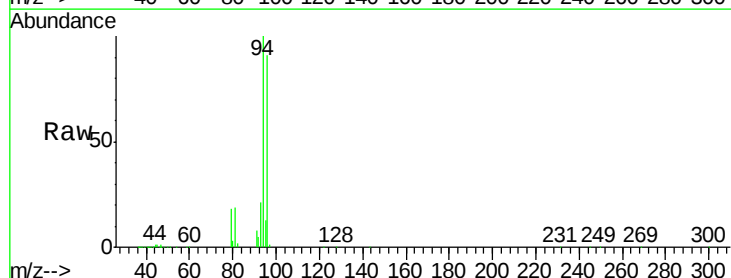
Acq: 30 Jan 2020 16:35

Tgt Ion: 94 Resp: 430387

Ion Ratio Lower Upper

94 100

96 91.0 73.8 110.8



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0

3.44

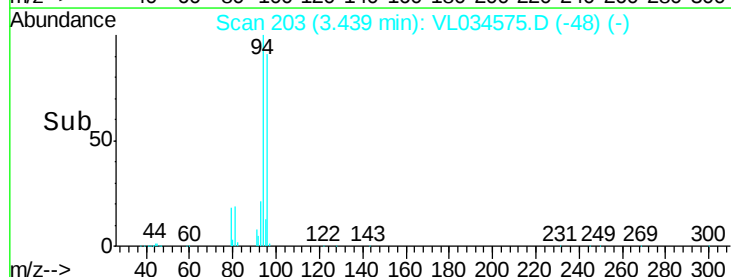
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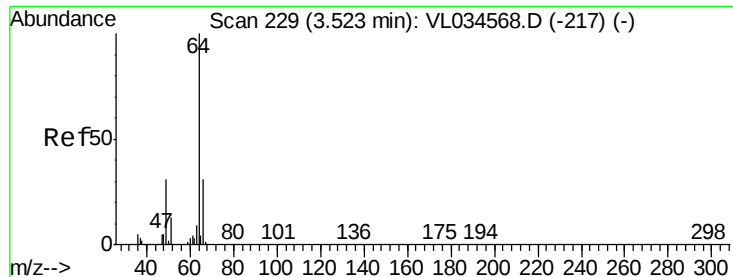
200000

100000

0

Time--> 3.40 3.45 3.50





#7

Chloroethane

Concen: 8.817 ppbv

RT: 3.53 min Scan# 230

Delta R.T. 0.00 min

Lab File: VL034575.D

Acq: 30 Jan 2020 16:35

Instrument :

MSVOA_L

ClientSampleId :

ICVVL013020

Tot Ion: 64 Resp: 282602

Ion Ratio Lower Upper

64 100

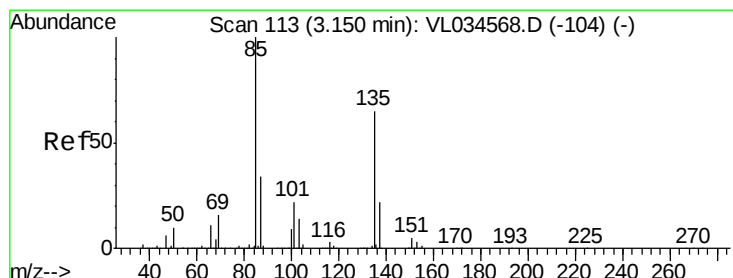
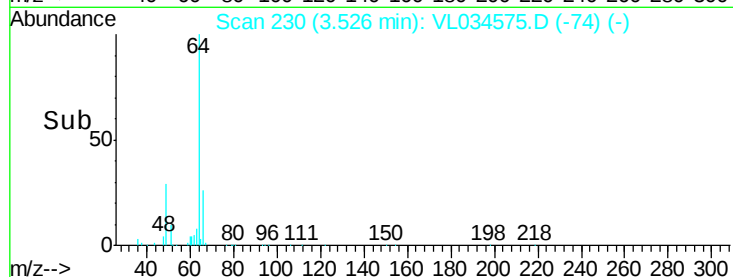
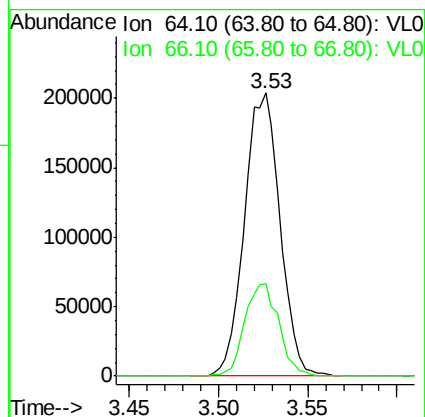
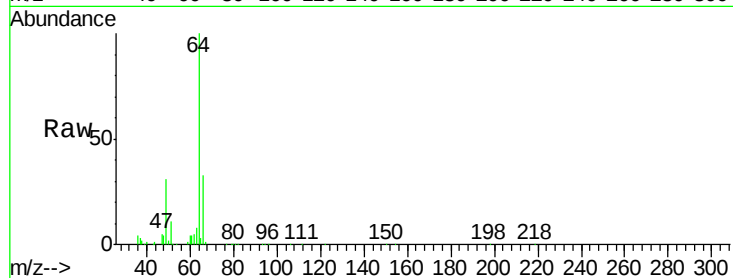
66 32.6 25.0 37.4

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#8

Dichlorotetrafluoroethane

Concen: 8.254 ppbv

RT: 3.15 min Scan# 113

Delta R.T. -0.00 min

Lab File: VL034575.D

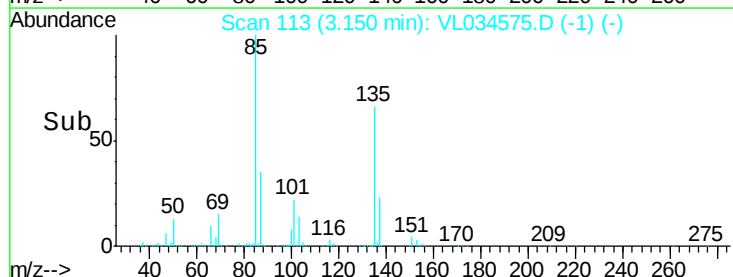
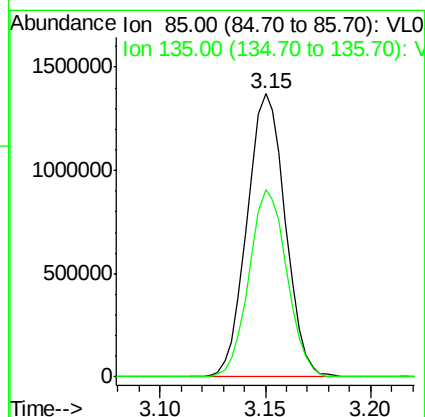
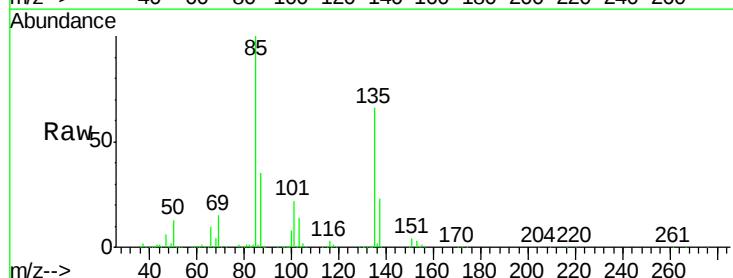
Acq: 30 Jan 2020 16:35

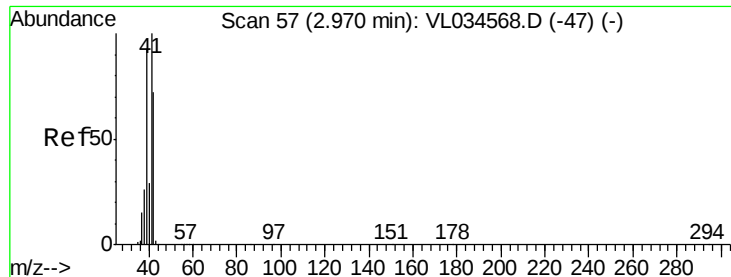
Tgt Ion: 85 Resp: 1734231

Ion Ratio Lower Upper

85 100

135 65.7 52.2 78.2





#9

Propene

Concen: 9.653 ppbv

RT: 2.97 min Scan# 57

Delta R.T. -0.00 min

Lab File: VL034575.D

Acq: 30 Jan 2020 16:35

Instrument :

MSVOA_L

ClientSampleId :

ICVVL013020

Tot Ion: 41 Resp: 554240

Ion Ratio Lower Upper

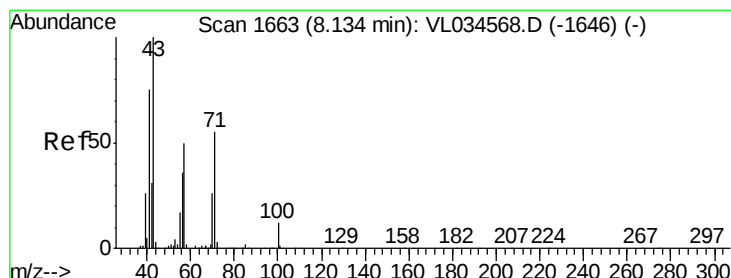
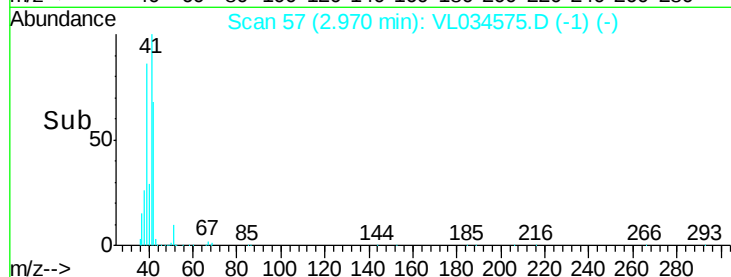
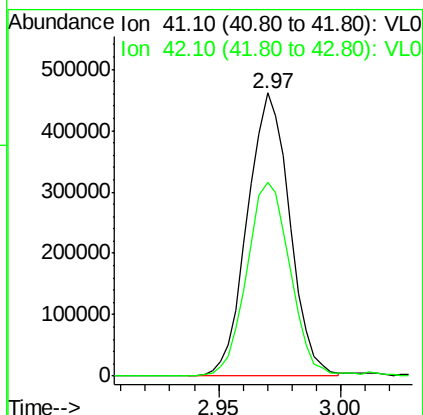
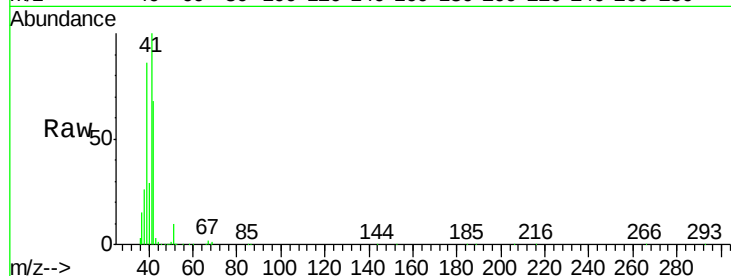
41 100

42 70.6 57.0 85.4

Manual Integrations
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#10

Heptane

Concen: 9.685 ppbv

RT: 8.13 min Scan# 1663

Delta R.T. -0.00 min

Lab File: VL034575.D

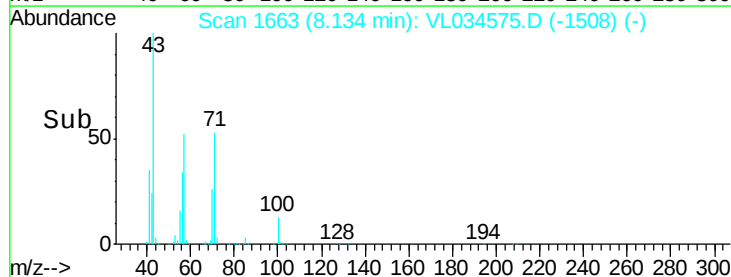
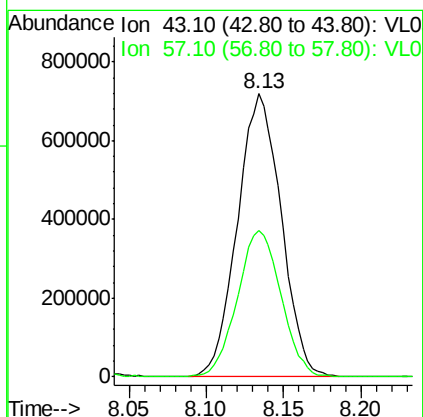
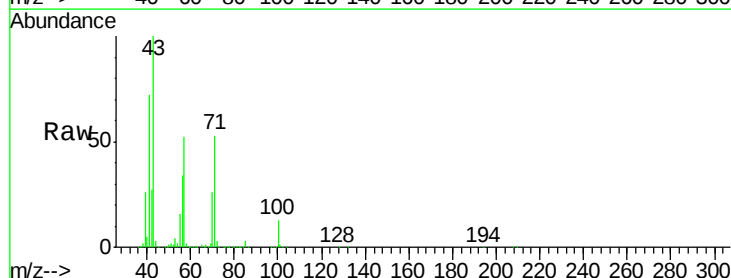
Acq: 30 Jan 2020 16:35

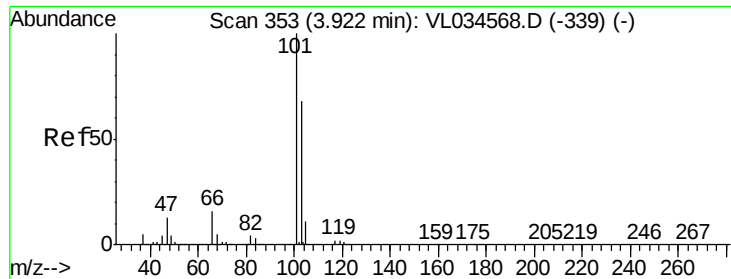
Tgt Ion: 43 Resp: 1399512

Ion Ratio Lower Upper

43 100

57 52.2 41.2 61.8





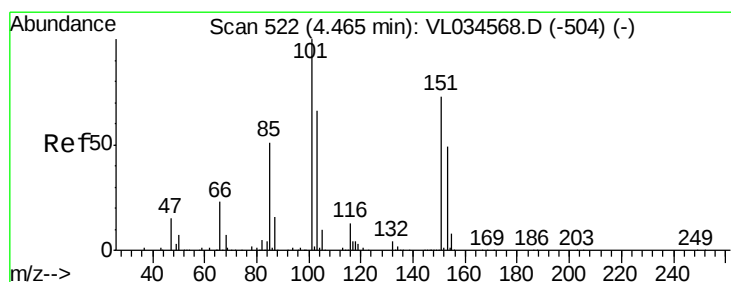
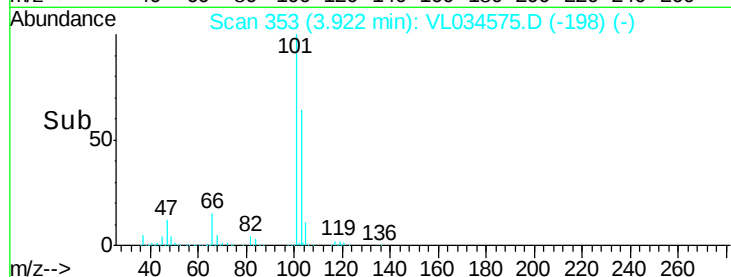
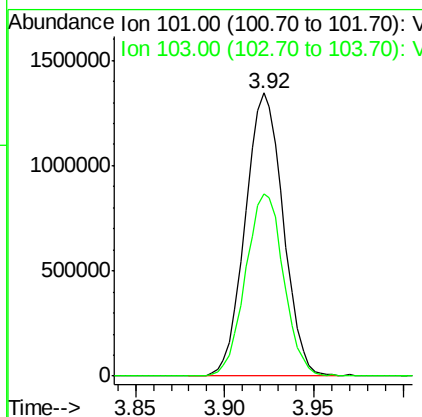
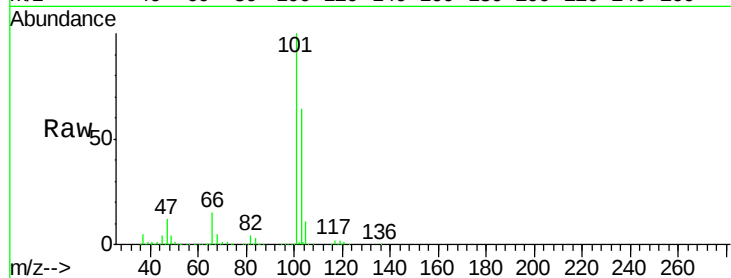
#11
 Trichlorofluoromethane
 Concen: 8.180 ppbv
 RT: 3.92 min Scan# 353
 Delta R.T. -0.00 min
 Lab File: VL034575.D
 Acq: 30 Jan 2020 16:35

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL013020

Tot Ion:101 Resp: 1997434
 Ion Ratio Lower Upper
 101 100
 103 64.2 54.4 81.6

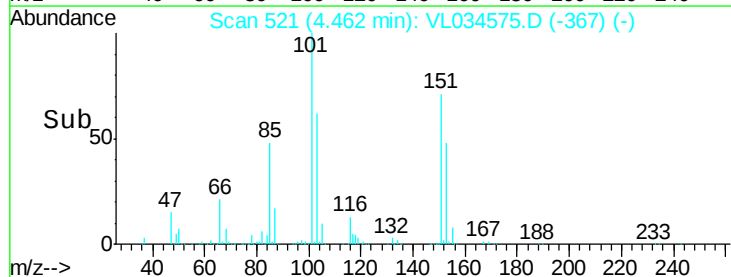
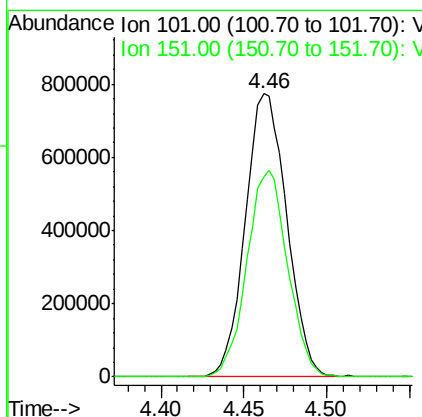
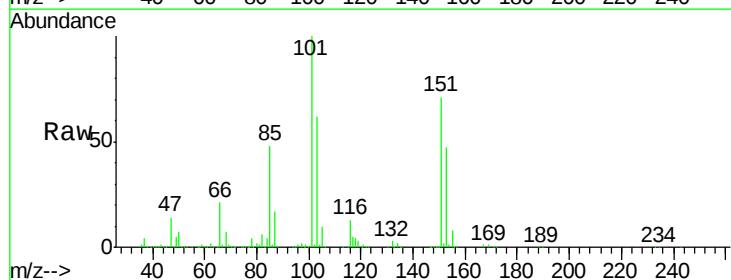
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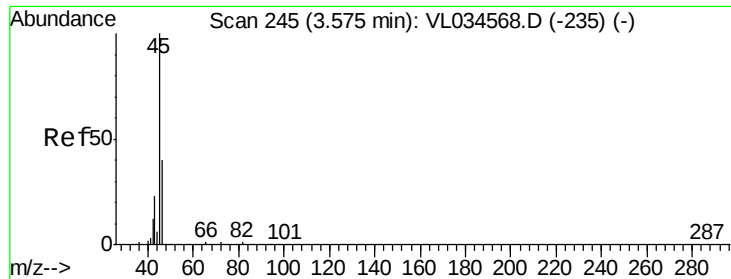
MMDadoda
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#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 8.439 ppbv
 RT: 4.46 min Scan# 521
 Delta R.T. -0.00 min
 Lab File: VL034575.D
 Acq: 30 Jan 2020 16:35

Tgt Ion:101 Resp: 1344601
 Ion Ratio Lower Upper
 101 100
 151 71.7 57.0 85.6





#13

Ethanol

Concen: 8.240 ppbv

RT: 3.57 min Scan# 244

Delta R.T. -0.00 min

Lab File: VL034575.D

Acq: 30 Jan 2020 16:35

Instrument :

MSVOA_L

ClientSampleId :

ICVVL013020

Tot Ion: 45 Resp: 126735

Ion Ratio Lower Upper

45 100

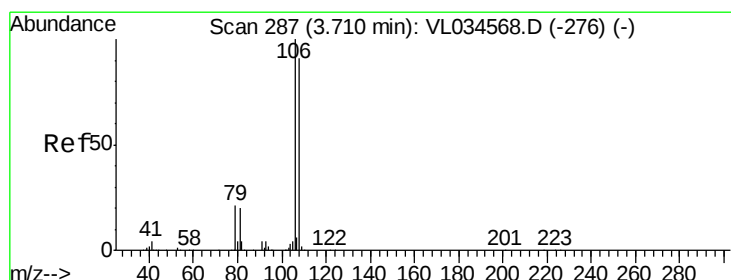
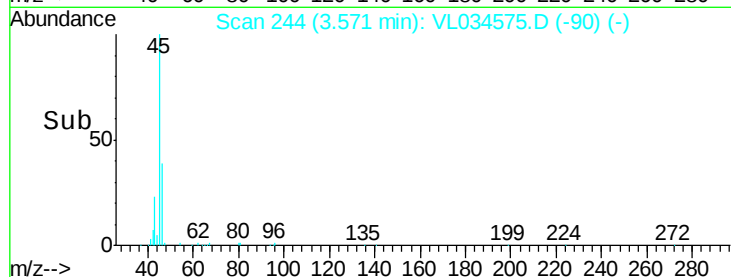
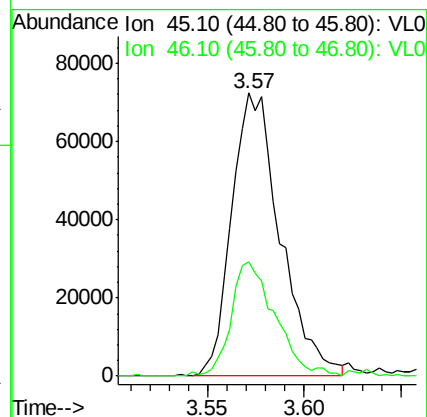
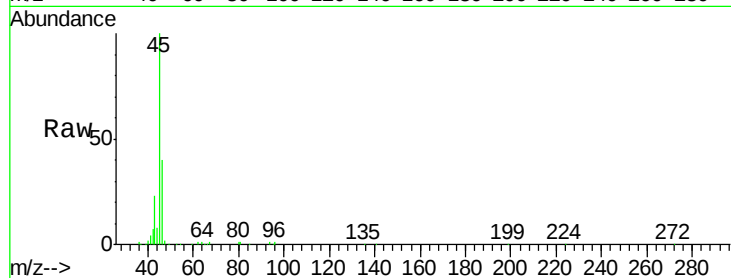
46 36.2 14.8 59.2

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#14

Bromoethene

Concen: 8.823 ppbv

RT: 3.71 min Scan# 287

Delta R.T. -0.00 min

Lab File: VL034575.D

Acq: 30 Jan 2020 16:35

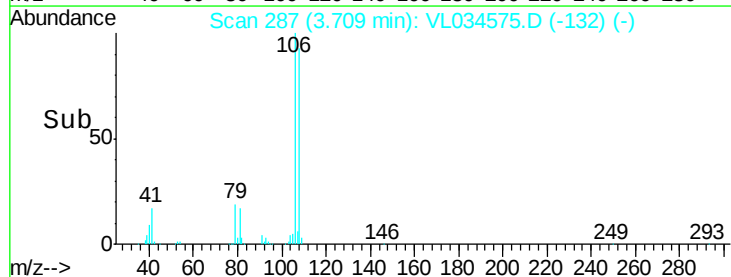
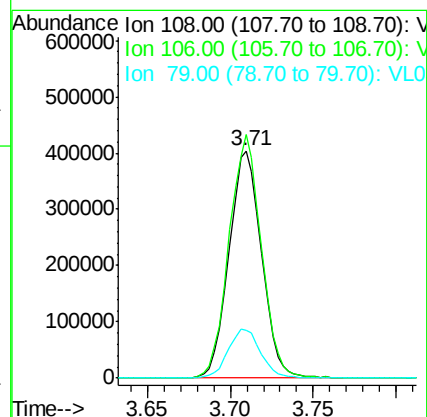
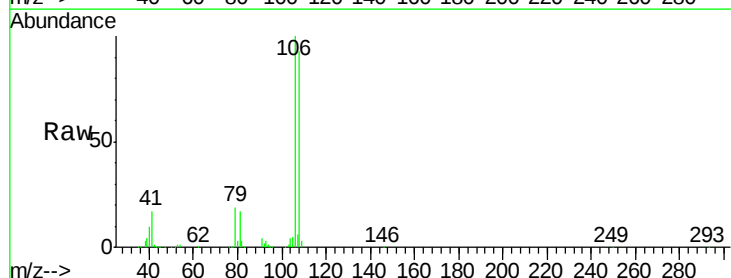
Tgt Ion: 108 Resp: 551448

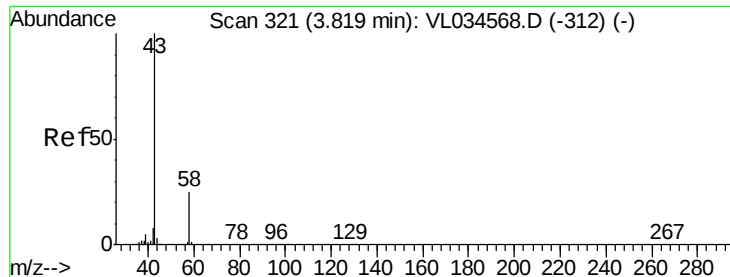
Ion Ratio Lower Upper

108 100

106 106.4 84.6 127.0

79 21.6 18.2 27.2





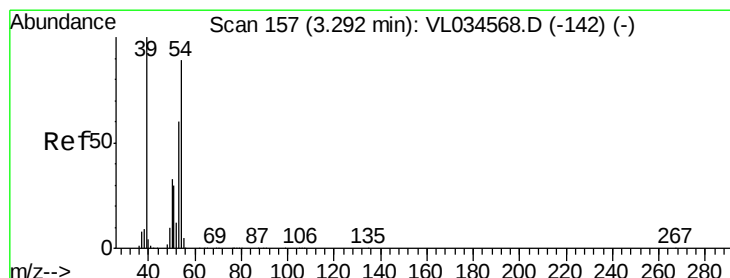
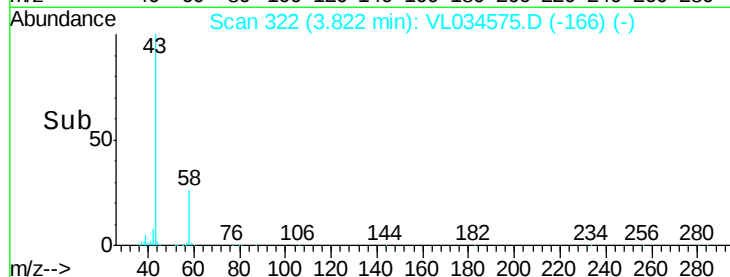
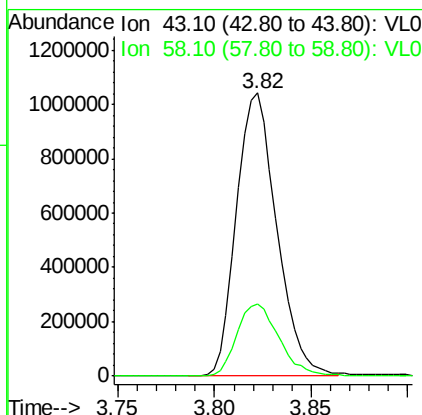
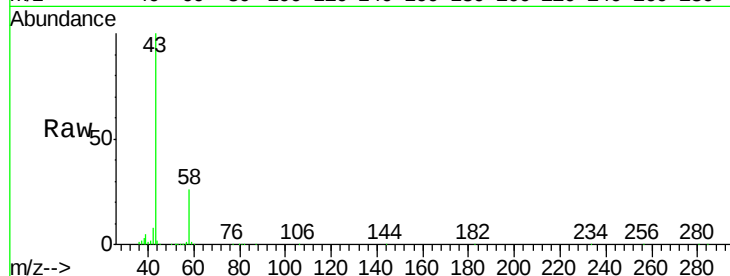
#15
Acetone
Concen: 8.445 ppbv
RT: 3.82 min Scan# 322
Delta R.T. 0.00 min
Lab File: VL034575.D
Acq: 30 Jan 2020 16:35

Instrument :
MSVOA_L
ClientSampleId :
ICVVL013020

Tot Ion: 43 Resp: 1514827
Ion Ratio Lower Upper
43 100
58 26.7 20.3 30.5

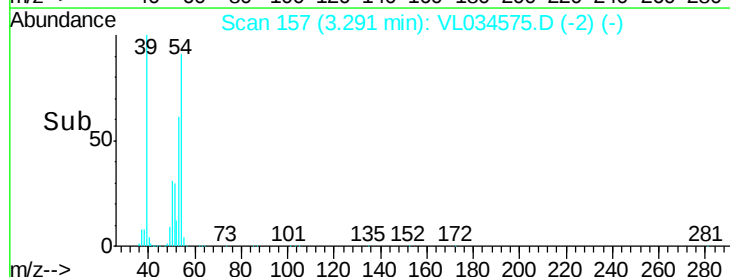
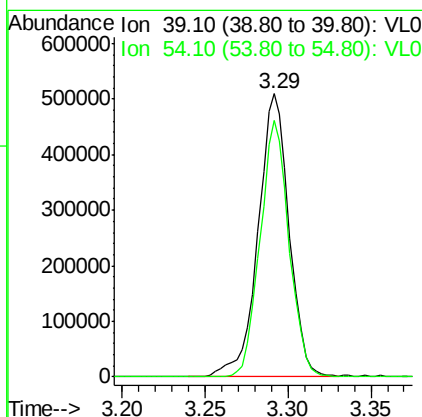
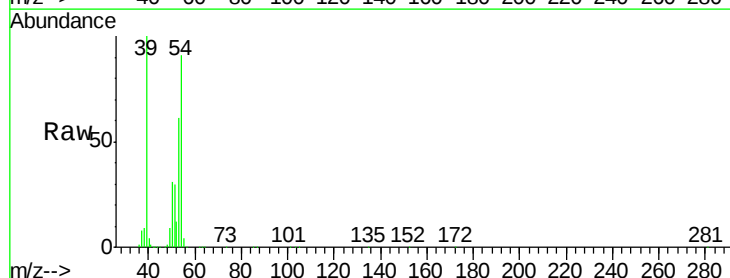
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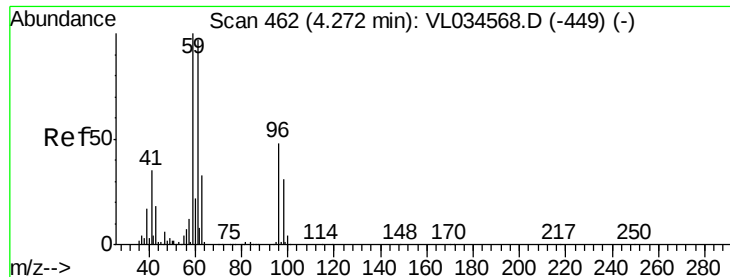
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#16
1,3-Butadiene
Concen: 9.279 ppbv
RT: 3.29 min Scan# 157
Delta R.T. -0.00 min
Lab File: VL034575.D
Acq: 30 Jan 2020 16:35

Tgt Ion: 39 Resp: 660949
Ion Ratio Lower Upper
39 100
54 85.0 66.7 100.1





#17

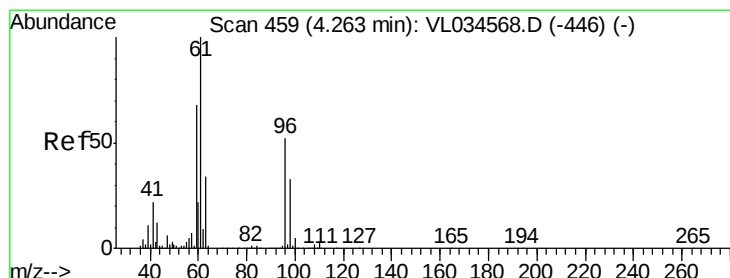
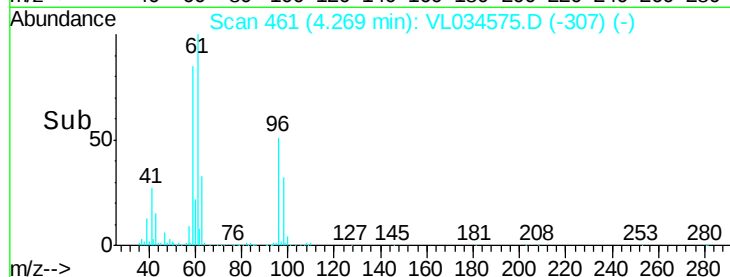
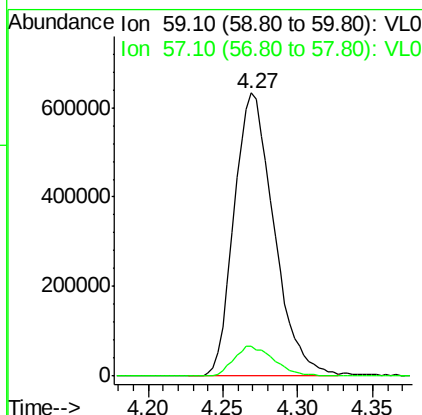
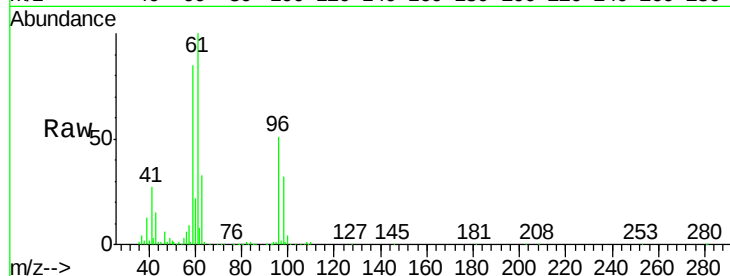
tert-Butyl alcohol
Concen: 8.908 ppbv
RT: 4.27 min Scan# 461
Delta R.T. -0.00 min
Lab File: VL034575.D
Acq: 30 Jan 2020 16:35

Instrument :
MSVOA_L
ClientSampleId :
ICVVL013020

Tot Ion: 59 Resp: 1175114
Ion Ratio Lower Upper
59 100
57 10.8 8.7 13.1

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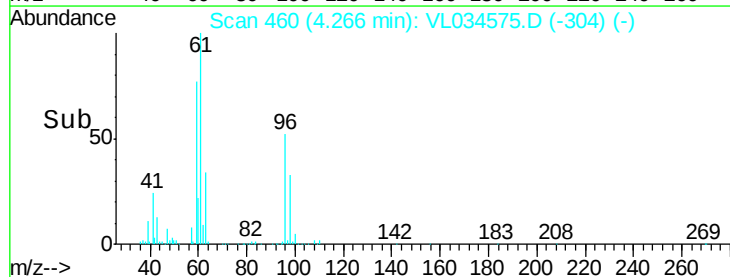
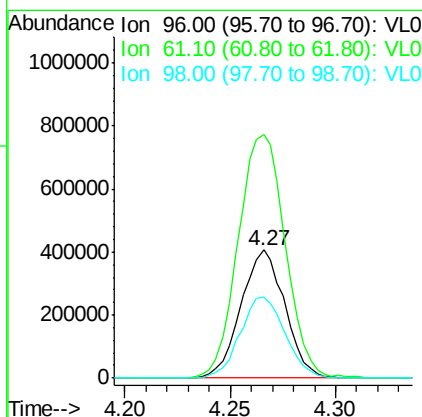
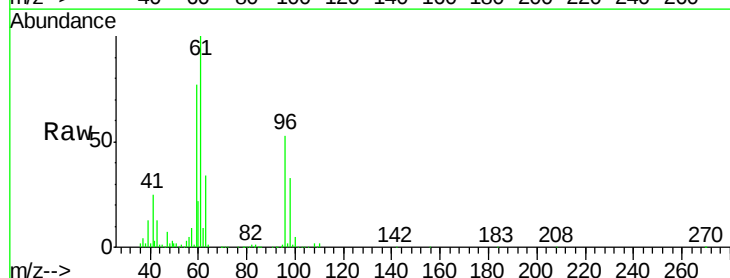
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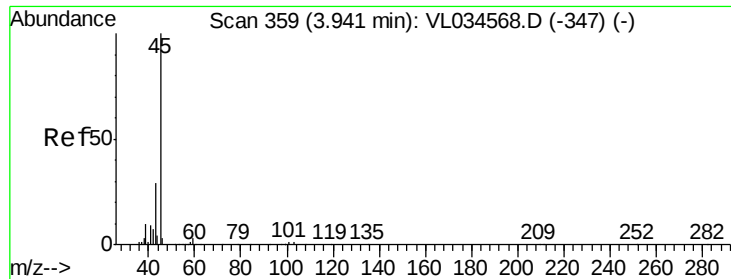


#18

1,1-Dichloroethene
Concen: 8.741 ppbv
RT: 4.27 min Scan# 460
Delta R.T. 0.00 min
Lab File: VL034575.D
Acq: 30 Jan 2020 16:35

Tgt Ion: 96 Resp: 587860
Ion Ratio Lower Upper
96 100
61 190.1 154.5 231.7
98 63.3 50.3 75.5





#19

Isopropyl Alcohol

Concen: 8.522 ppbv

RT: 3.94 min Scan# 359

Delta R.T. -0.00 min

Lab File: VL034575.D

Acq: 30 Jan 2020 16:35

Instrument :

MSVOA_L

ClientSampleId :

ICVVL013020

Tot Ion: 45 Resp: 891996

Ion Ratio Lower Upper

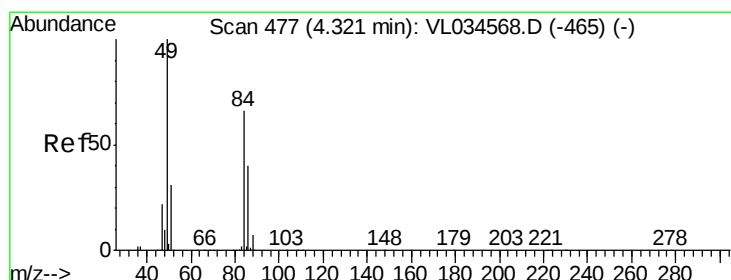
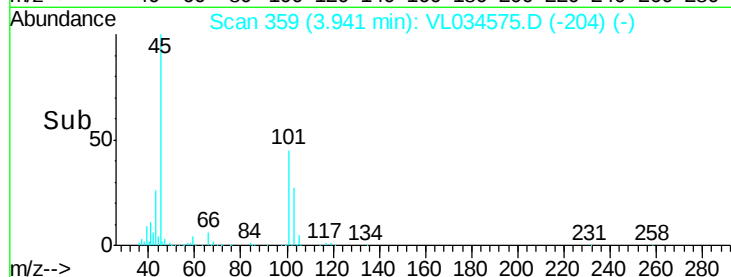
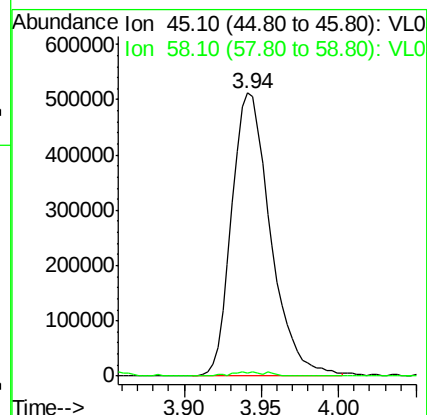
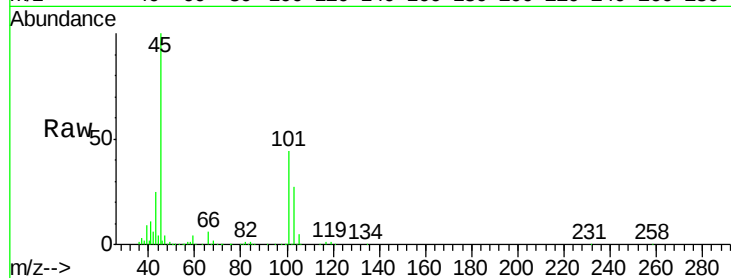
45 100

58 1.5 1.7 2.5#

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#20

Methylene Chloride

Concen: 7.563 ppbv

RT: 4.32 min Scan# 477

Delta R.T. -0.00 min

Lab File: VL034575.D

Acq: 30 Jan 2020 16:35

Tgt Ion: 84 Resp: 516567

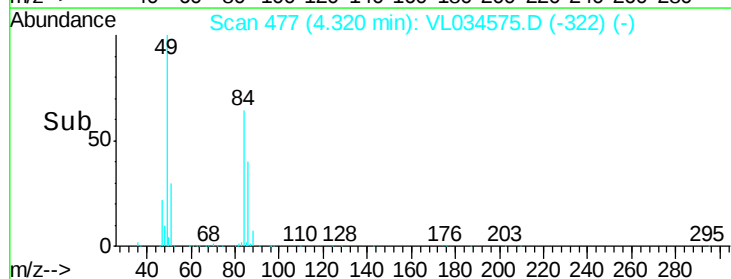
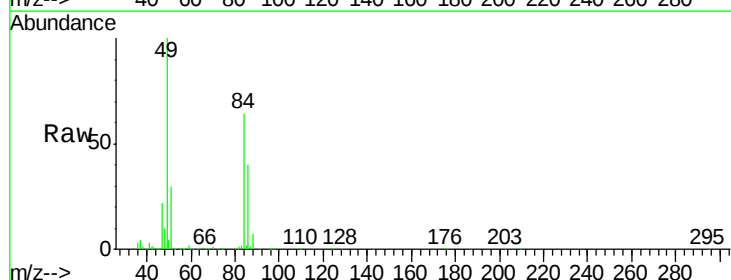
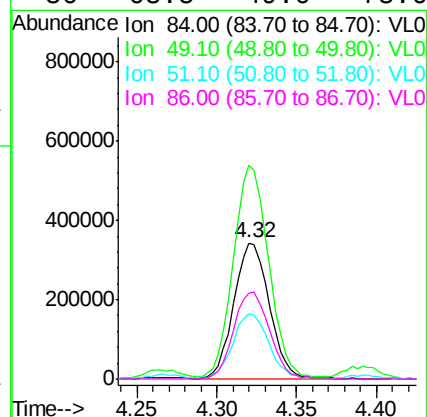
Ion Ratio Lower Upper

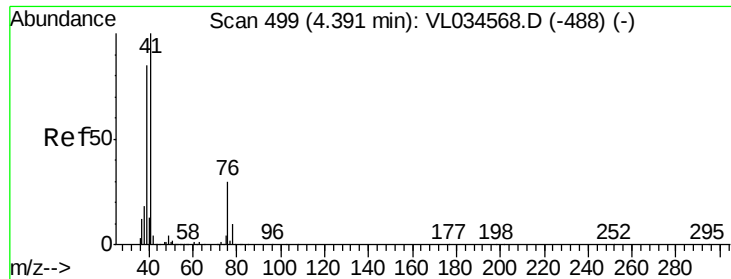
84 100

49 156.0 122.4 183.6

51 46.7 38.6 57.8

86 63.5 49.0 73.6





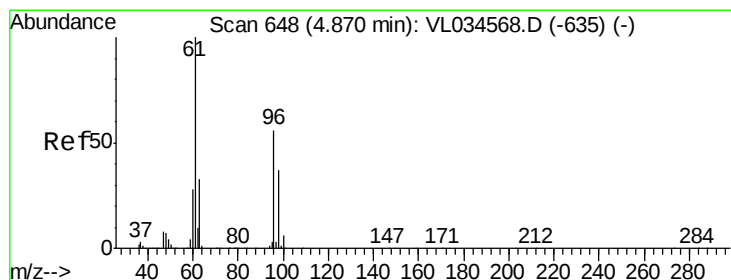
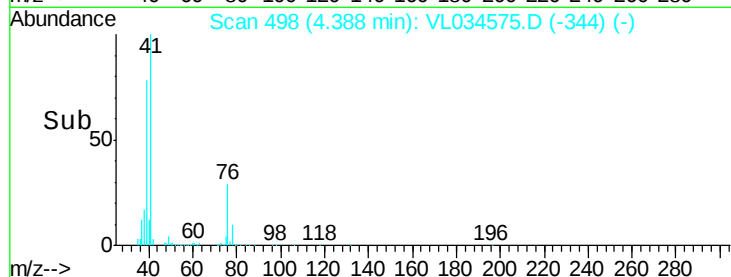
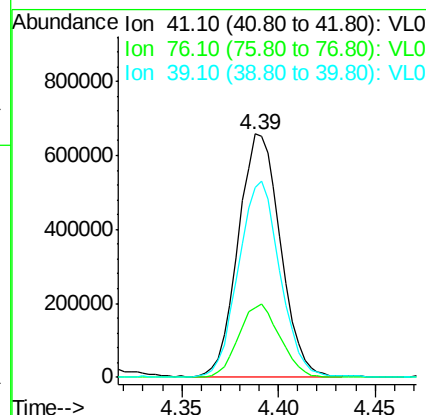
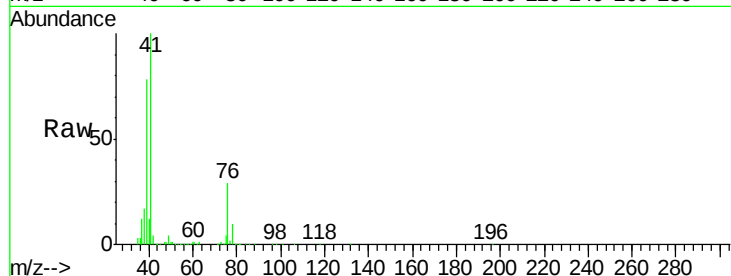
#21
Allvl Chloride
Concen: 8.922 ppbv
RT: 4.39 min Scan# 498
Delta R.T. -0.00 min
Lab File: VL034575.D
Acq: 30 Jan 2020 16:35

Instrument :
MSVOA_L
ClientSampleId :
ICVVL013020

Tot Ion	Ratio	Lower	Upper
41	100		
76	29.7	24.2	36.2
39	79.7	68.3	102.5

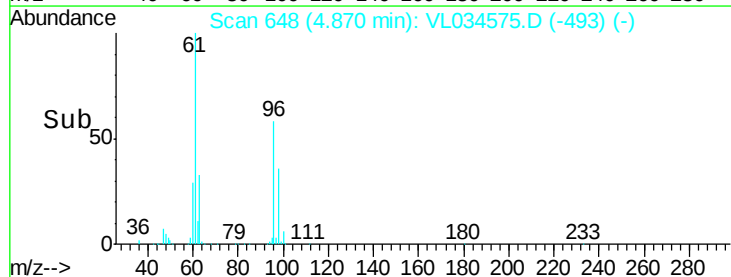
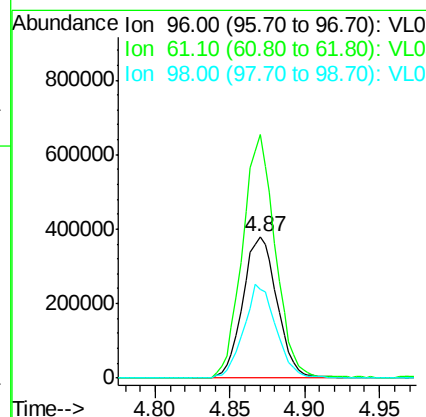
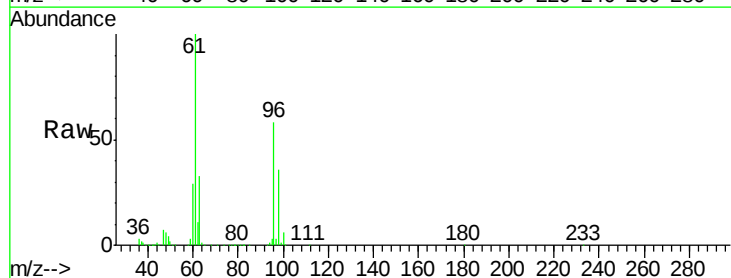
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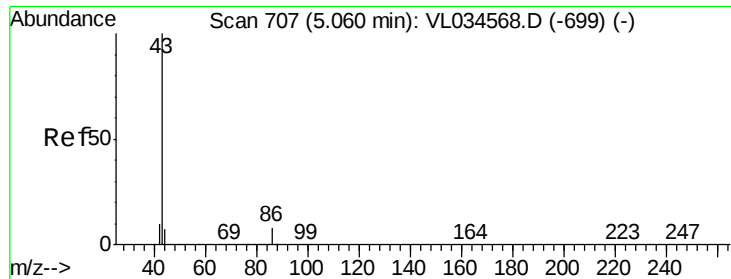
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#22
trans-1,2-Dichloroethene
Concen: 8.616 ppbv
RT: 4.87 min Scan# 648
Delta R.T. -0.00 min
Lab File: VL034575.D
Acq: 30 Jan 2020 16:35

Tgt Ion	Ratio	Lower	Upper
96	100		
61	171.6	141.9	212.9
98	62.2	53.1	79.7





#23

Vinyl Acetate

Concen: 10.320 ppbv

RT: 5.06 min Scan# 707

Delta R.T. -0.00 min

Lab File: VL034575.D

Acq: 30 Jan 2020 16:35

Instrument :

MSVOA_L

ClientSampleId :

ICVVL013020

Tot Ion: 43 Resp: 2111870

Ion Ratio Lower Upper

43 100

86 8.2 5.9 8.9

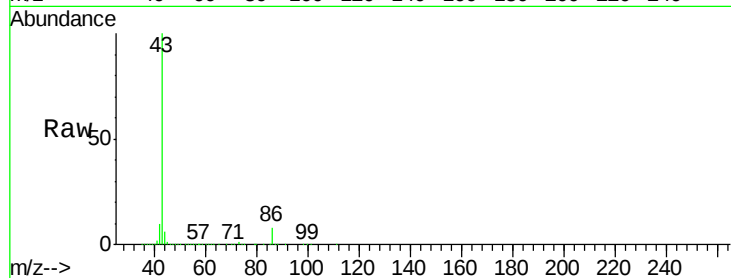
42 10.4 8.8 13.2

44 5.6 5.0 7.6

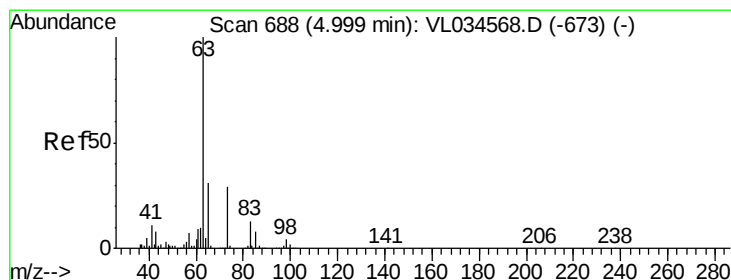
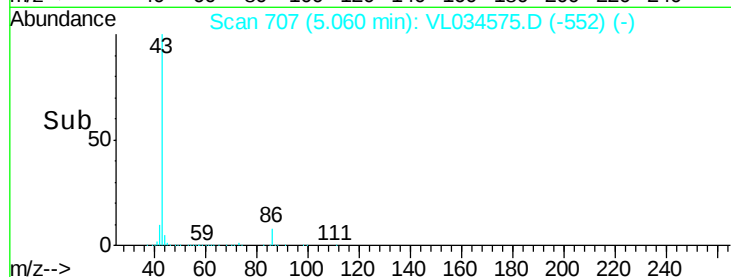
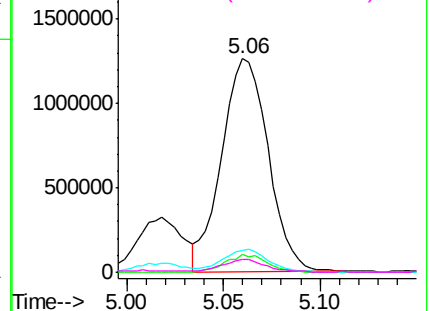
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Abundance Ion 43.10 (42.80 to 43.80): VL0
2000000
Ion 86.10 (85.80 to 86.80): VL0
Ion 42.10 (41.80 to 42.80): VL0
Ion 44.10 (43.80 to 44.80): VL0



#24

1,1-Dichloroethane

Concen: 8.979 ppbv

RT: 5.00 min Scan# 688

Delta R.T. -0.00 min

Lab File: VL034575.D

Acq: 30 Jan 2020 16:35

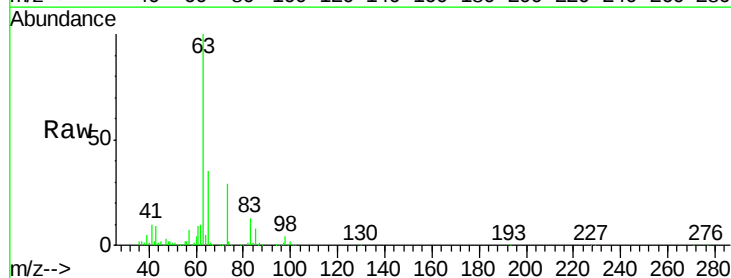
Tgt Ion: 63 Resp: 1534100

Ion Ratio Lower Upper

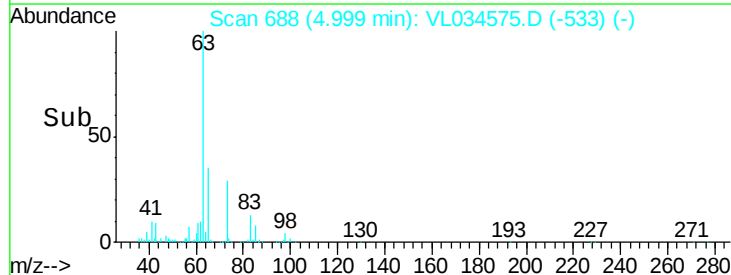
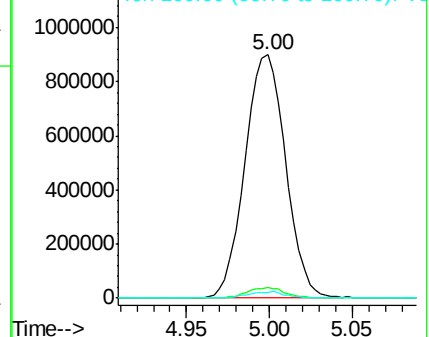
63 100

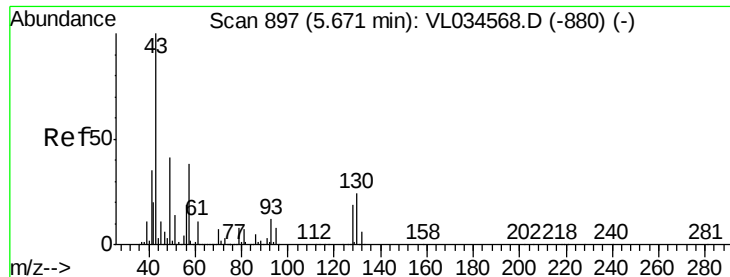
98 4.4 2.1 6.2

100 2.5 1.1 3.5



Abundance Ion 63.10 (62.80 to 63.80): VL0
1200000
Ion 98.00 (97.70 to 98.70): VL0
Ion 100.00 (99.70 to 100.70): VL0





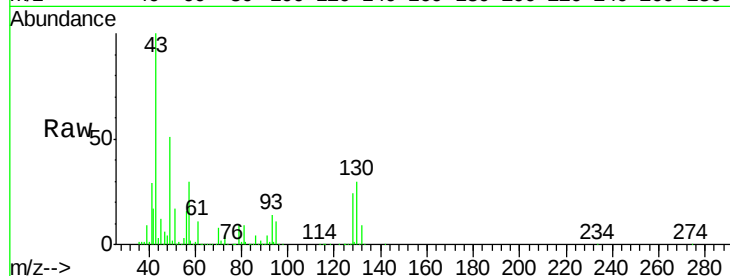
#25
Ethyl Acetate
Concen: 8.652 ppbv
RT: 5.67 min Scan# 896
Delta R.T. -0.00 min
Lab File: VL034575.D
Acq: 30 Jan 2020 16:35

Instrument :
MSVOA_L
ClientSampleId :
ICVVL013020

Tot Ion	Ratio	Lower	Upper
43	100		
45	10.4	8.5	12.7
61	9.9	7.8	11.6
70	7.4	5.8	8.8

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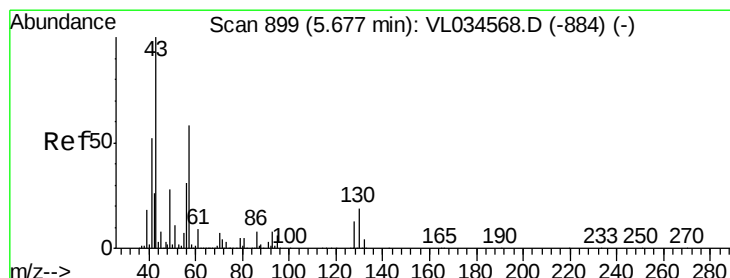
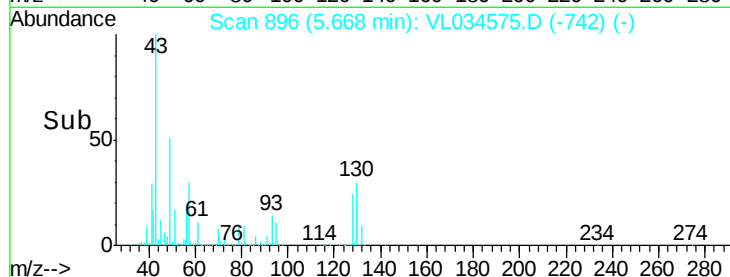
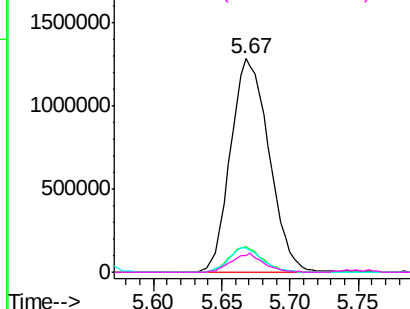
Abundance

Ion 43.10 (42.80 to 43.80): VL0

Ion 45.10 (44.80 to 45.80): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 70.10 (69.80 to 70.80): VL0



#26
Hexane
Concen: 9.301 ppbv
RT: 5.68 min Scan# 900
Delta R.T. 0.00 min
Lab File: VL034575.D
Acq: 30 Jan 2020 16:35

Tgt Ion	Ratio	Lower	Upper
57	100		
41	92.7	76.2	114.2
43	222.8	189.9	284.9
56	52.2	43.6	65.4

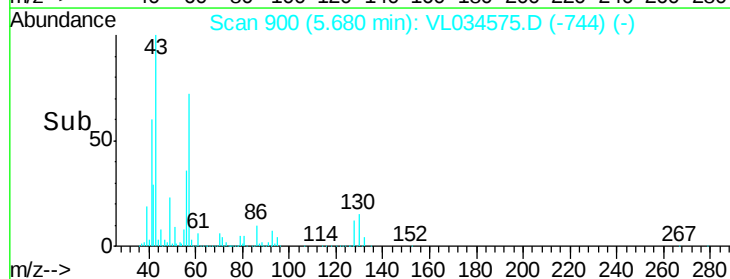
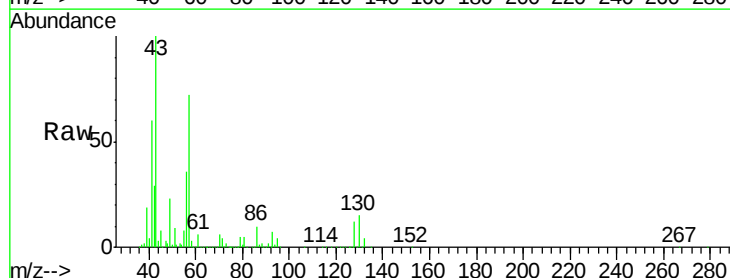
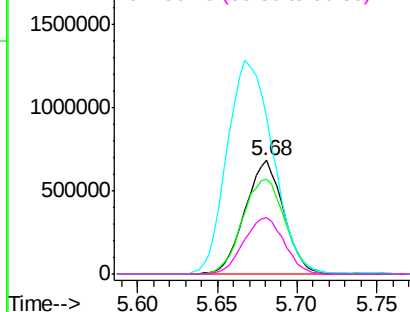
Abundance

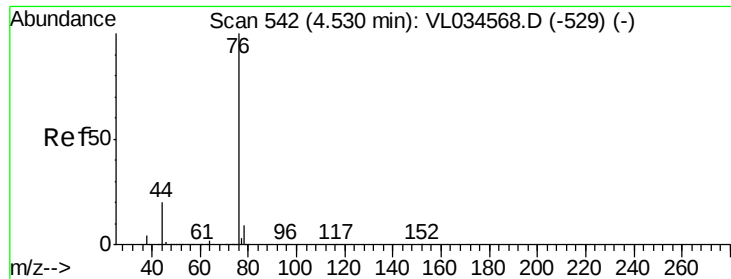
Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 56.10 (55.80 to 56.80): VL0





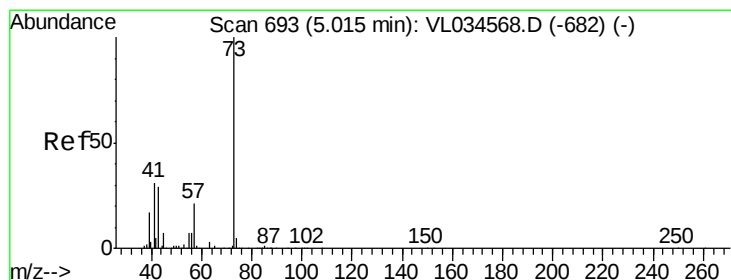
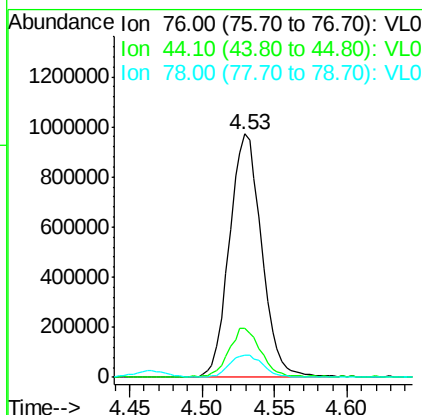
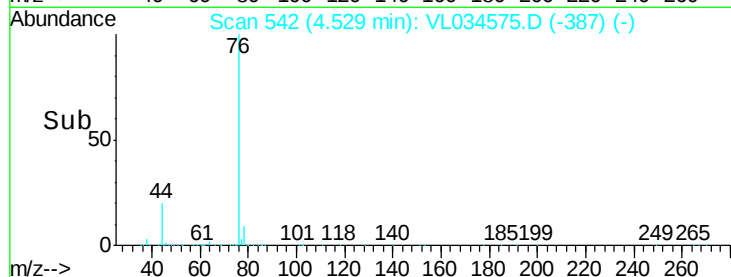
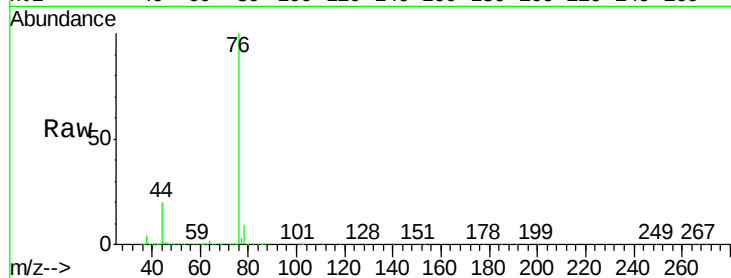
#27
Carbon Disulfide
Concen: 9.132 ppbv
RT: 4.53 min Scan# 542
Delta R.T. -0.00 min
Lab File: VL034575.D
Acq: 30 Jan 2020 16:35

Instrument :
MSVOA_L
ClientSampleId :
ICVVL013020

Tot Ion: 76 Resp: 1498736
Ion Ratio Lower Upper
76 100
44 20.0 16.3 24.5
78 9.6 7.4 11.2

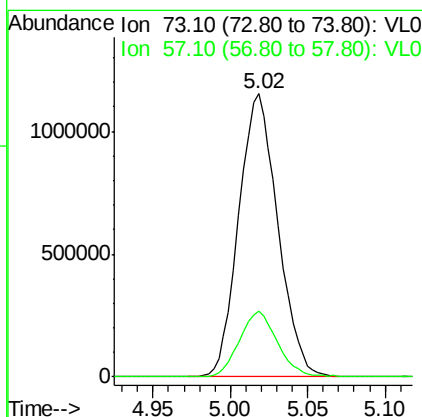
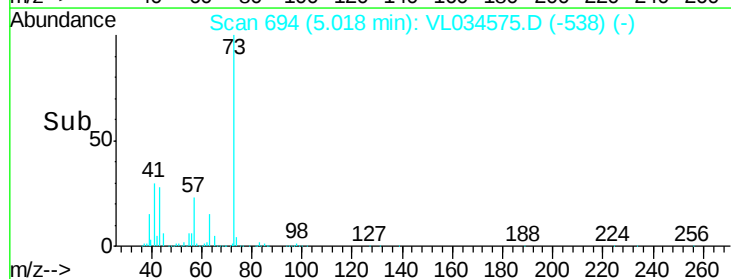
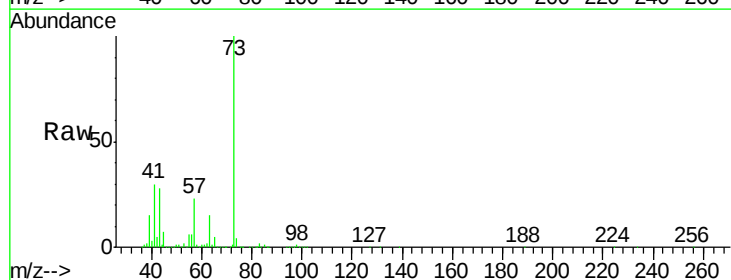
Manual Integrations
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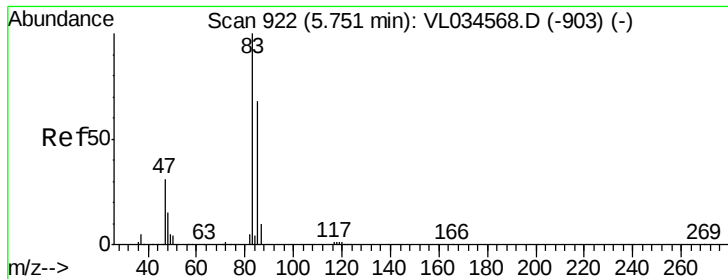
MMDadoda
1/31/2020 4:25:28 PM



#28
Methyl tert-Butyl Ether
Concen: 9.765 ppbv
RT: 5.02 min Scan# 694
Delta R.T. 0.00 min
Lab File: VL034575.D
Acq: 30 Jan 2020 16:35

Tgt Ion: 73 Resp: 2025537
Ion Ratio Lower Upper
73 100
57 22.7 17.9 26.9





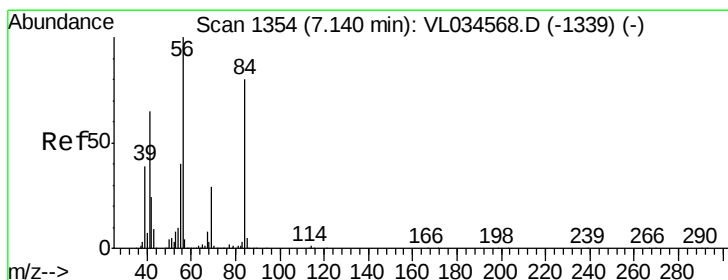
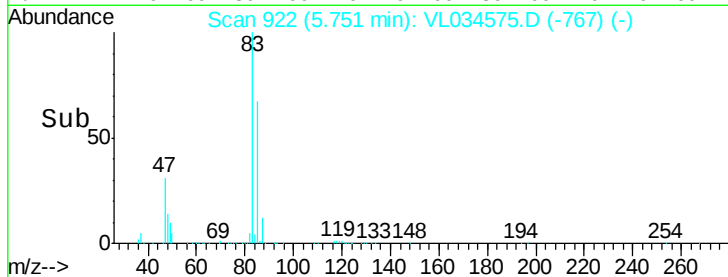
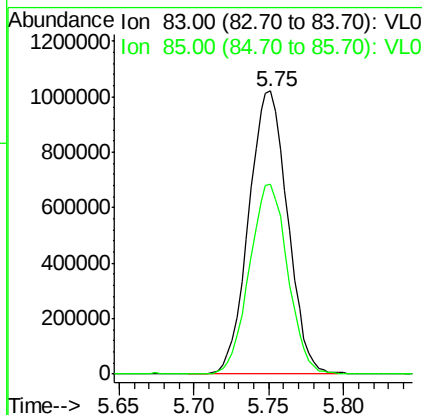
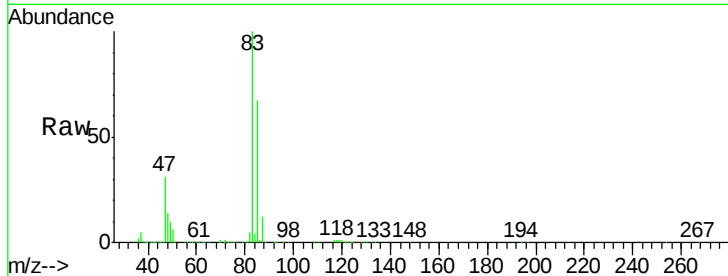
#29
Chloroform
Concen: 8.570 ppbv
RT: 5.75 min Scan# 922
Delta R.T. -0.00 min
Lab File: VL034575.D
Acq: 30 Jan 2020 16:35

Instrument :
MSVOA_L
ClientSampleId :
ICVVL013020

Tot Ion: 83 Resp: 1843062
Ion Ratio Lower Upper
83 100
85 67.1 54.0 81.0

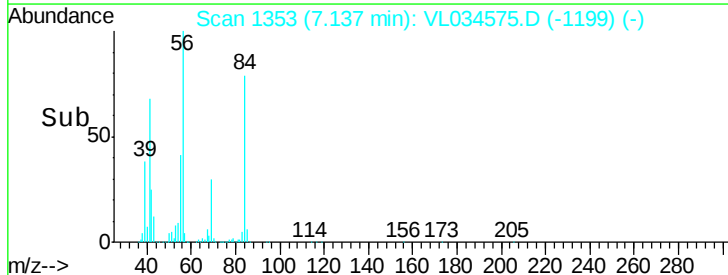
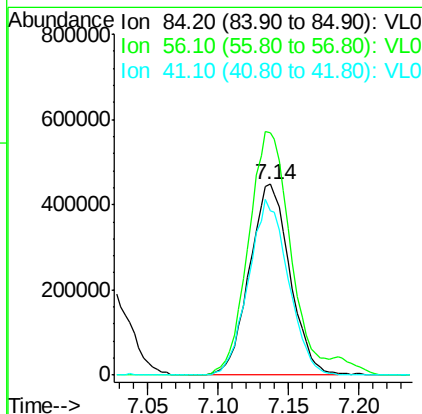
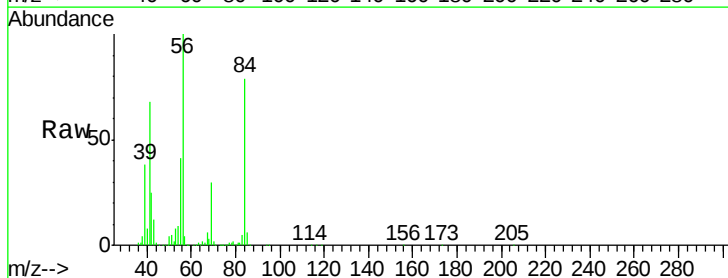
Manual Integrations
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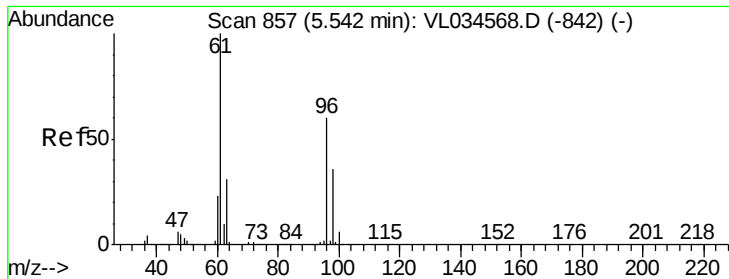
MMDadoda
1/31/2020 4:25:28 PM



#30
Cyclohexane
Concen: 9.948 ppbv
RT: 7.14 min Scan# 1353
Delta R.T. -0.00 min
Lab File: VL034575.D
Acq: 30 Jan 2020 16:35

Tgt Ion: 84 Resp: 896629
Ion Ratio Lower Upper
84 100
56 138.1 110.5 165.7
41 90.9 71.9 107.9





#31

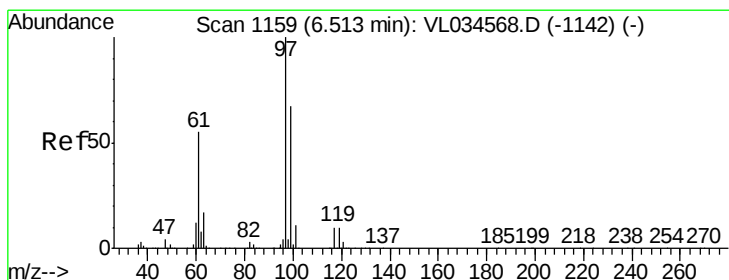
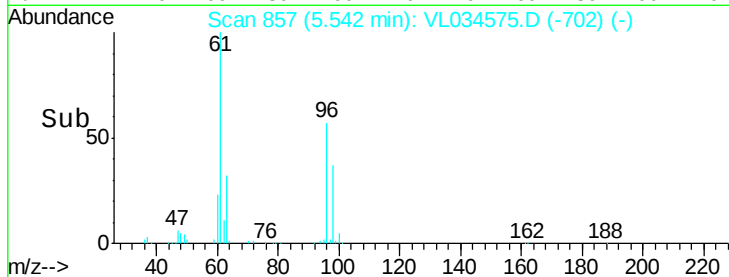
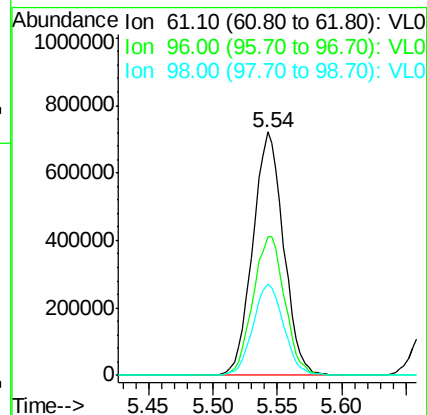
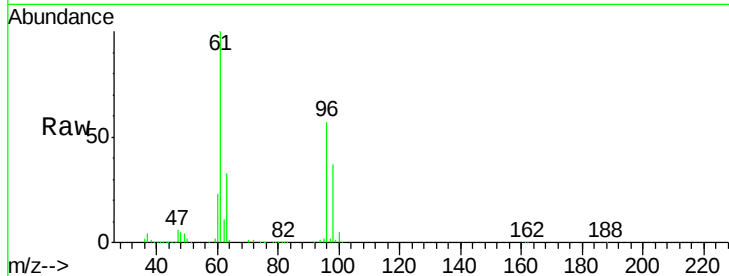
cis-1,2-Dichloroethene
Concen: 9.500 ppbv
RT: 5.54 min Scan# 857
Delta R.T. -0.00 min
Lab File: VL034575.D
Acq: 30 Jan 2020 16:35

Instrument :
MSVOA_L
ClientSampleId :
ICVVL013020

Tot Ion	Ratio	Lower	Upper
61	100		
96	57.1	48.0	72.0
98	37.3	28.6	43.0

Manual Integrations
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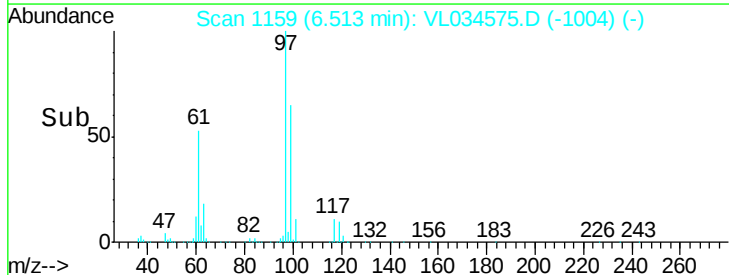
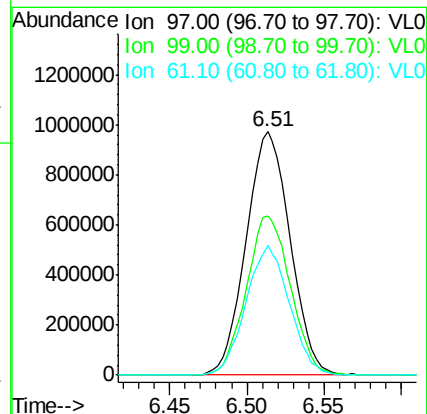
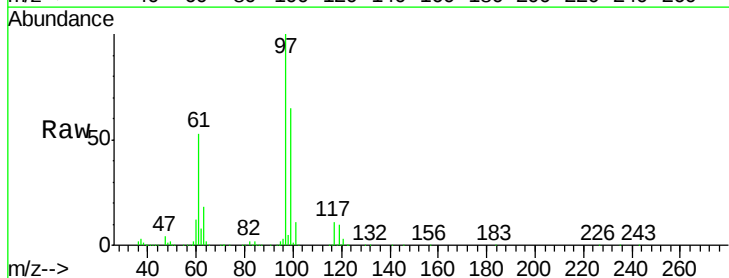
MMDadoda
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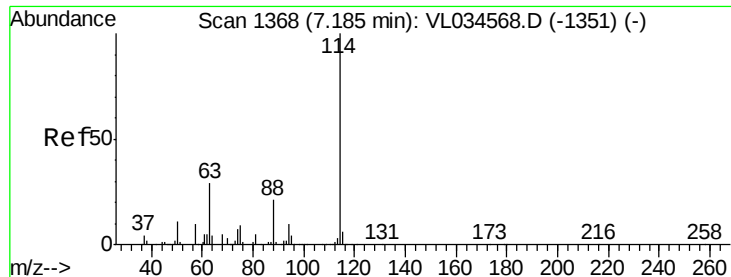


#32

1,1,1-Trichloroethane
Concen: 8.351 ppbv
RT: 6.51 min Scan# 1159
Delta R.T. -0.00 min
Lab File: VL034575.D
Acq: 30 Jan 2020 16:35

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.7	52.2	78.2
61	52.7	43.0	64.4





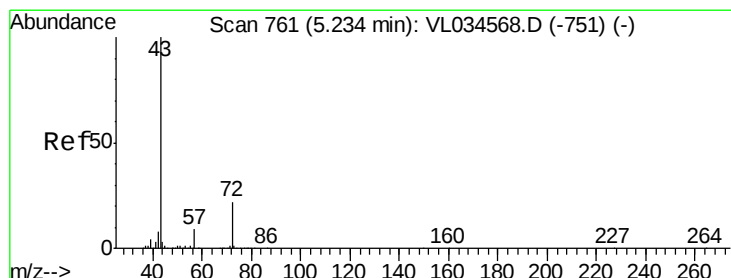
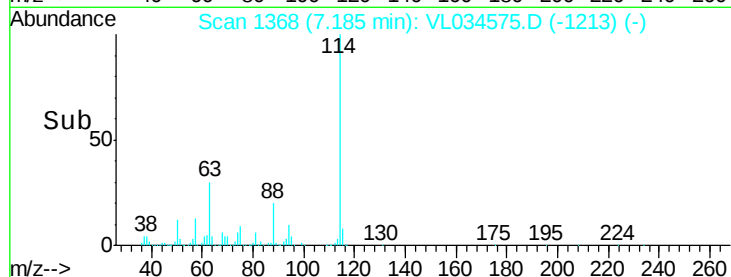
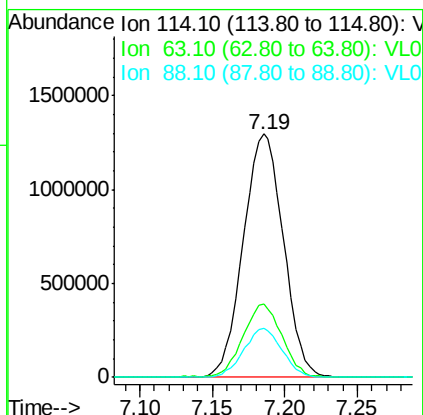
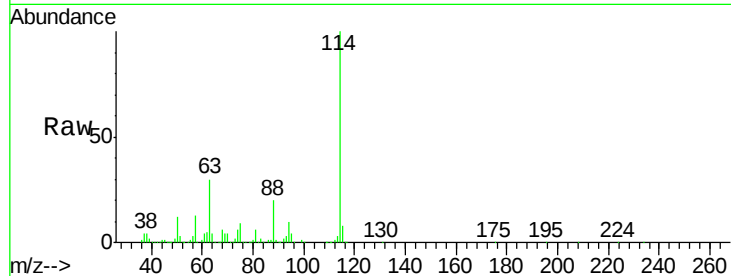
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.19 min Scan# 1368
 Delta R.T. -0.00 min
 Lab File: VL034575.D
 Acq: 30 Jan 2020 16:35

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL013020

Tot Ion	Ratio	Lower	Upper
114	100		
63	29.8	24.1	36.1
88	19.4	15.9	23.9

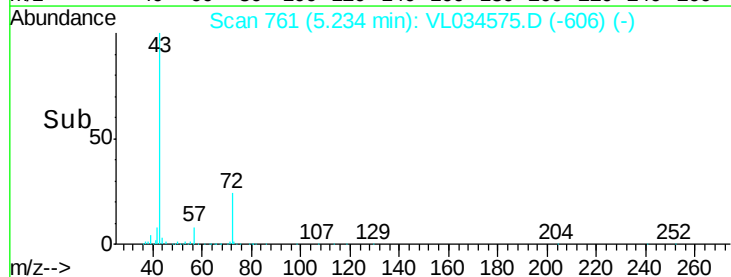
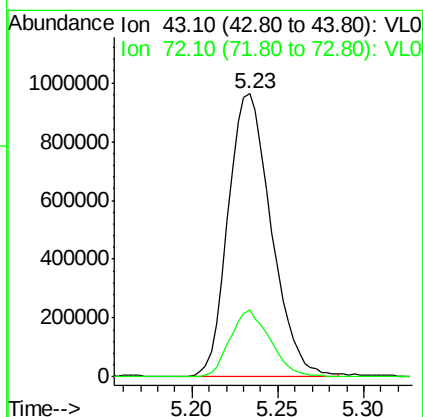
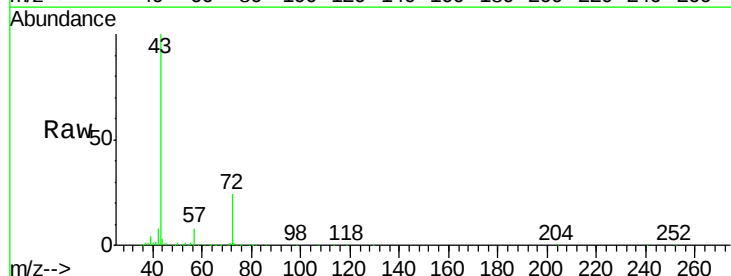
Manual Integrations
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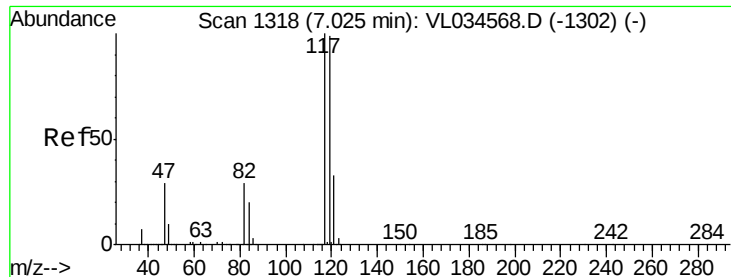
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#34
 2-Butanone
 Concen: 9.220 ppbv
 RT: 5.23 min Scan# 761
 Delta R.T. -0.00 min
 Lab File: VL034575.D
 Acq: 30 Jan 2020 16:35

Tgt Ion	Ratio	Lower	Upper
43	100		
72	22.1	17.2	25.8





#35

Carbon Tetrachloride

Concen: 8.412 ppbv

RT: 7.02 min Scan# 1318

Delta R.T. -0.00 min

Lab File: VL034575.D

Acq: 30 Jan 2020 16:35

Instrument :

MSVOA_L

ClientSampleId :

ICVVL013020

Tot Ion:117 Resp: 2005247

Ion Ratio Lower Upper

117 100

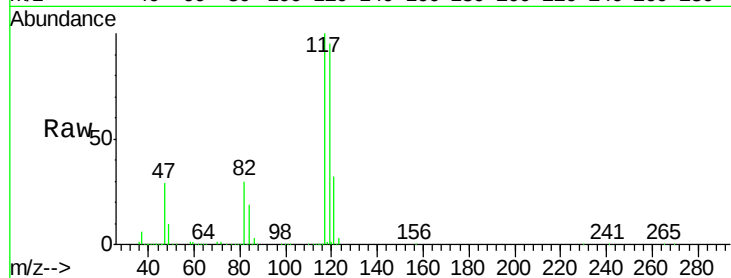
119 95.2 79.5 119.3

121 32.0 26.2 39.2

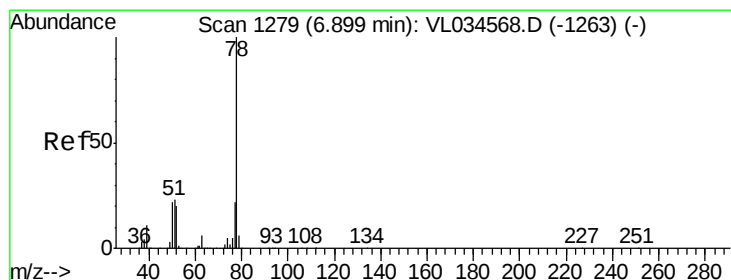
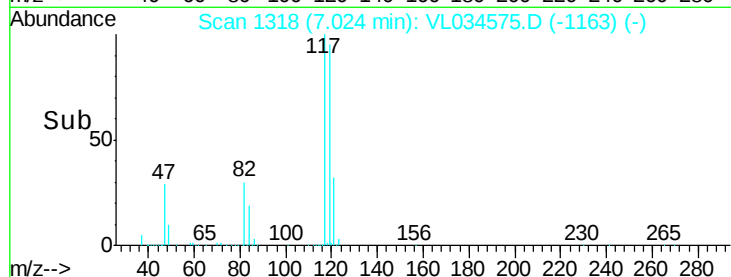
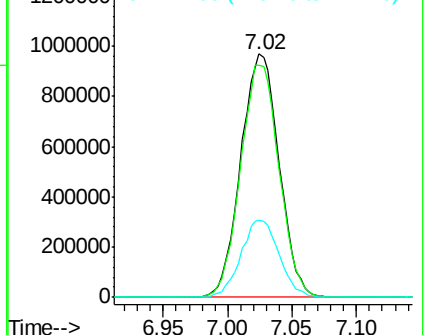
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Abundance Ion 117.00 (116.70 to 117.70): V
Ion 119.00 (118.70 to 119.70): V
Ion 121.00 (120.70 to 121.70): V



#36

Benzene

Concen: 9.558 ppbv

RT: 6.90 min Scan# 1278

Delta R.T. -0.00 min

Lab File: VL034575.D

Acq: 30 Jan 2020 16:35

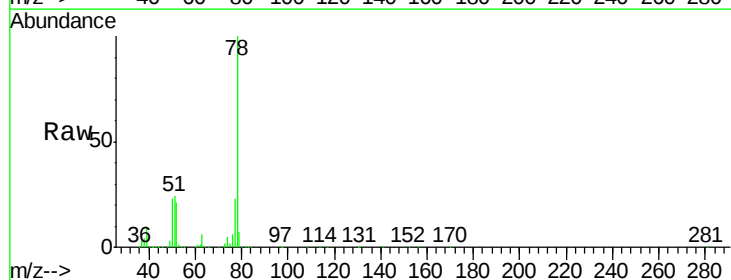
Tgt Ion: 78 Resp: 2119459

Ion Ratio Lower Upper

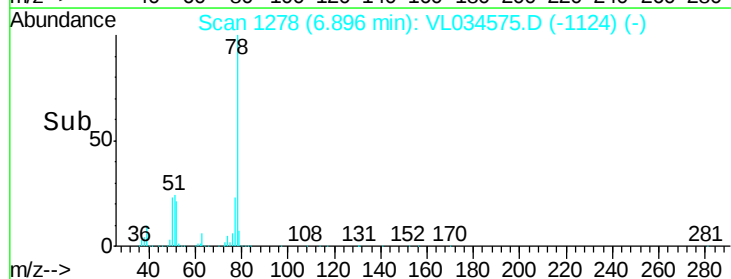
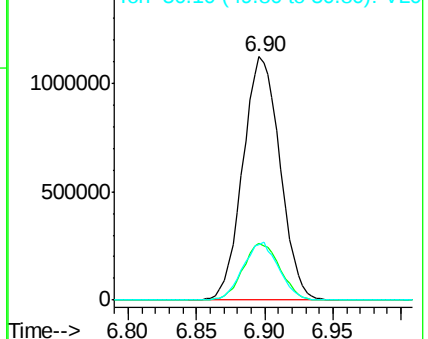
78 100

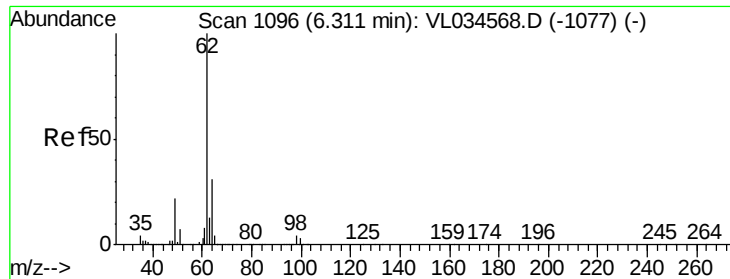
77 23.1 17.3 25.9

50 22.9 17.4 26.2



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: 8.534 ppbv

RT: 6.31 min Scan# 1095

Delta R.T. -0.00 min

Lab File: VL034575.D

Acq: 30 Jan 2020 16:35

Instrument :

MSVOA_L

ClientSampleId :

ICVVL013020

Tot Ion: 62 Resp: 1578857

Ion Ratio Lower Upper

62 100

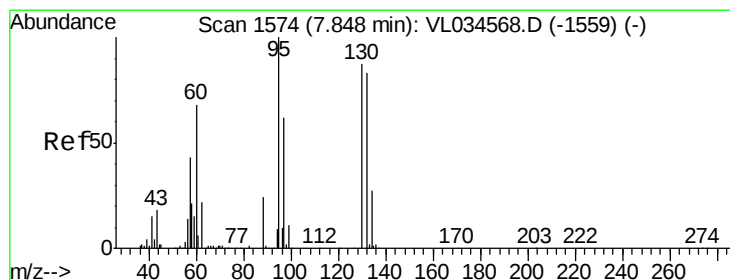
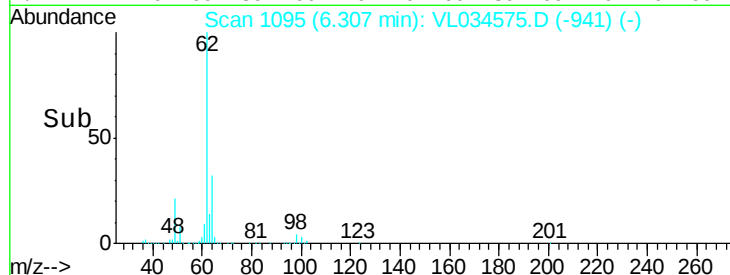
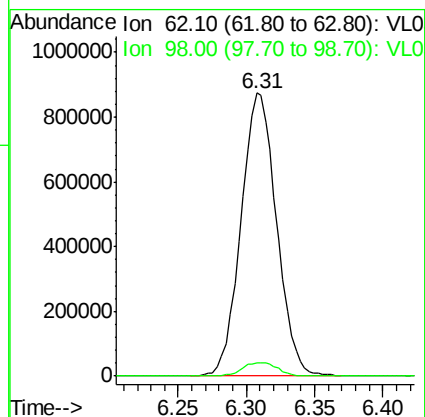
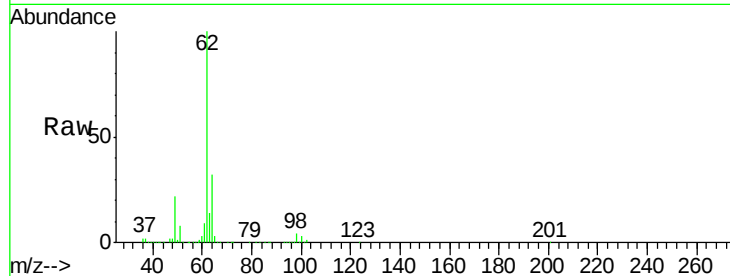
98 4.8 3.7 5.5

Manual Integrations

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#38

Trichloroethene

Concen: 9.192 ppbv

RT: 7.85 min Scan# 1575

Delta R.T. 0.00 min

Lab File: VL034575.D

Acq: 30 Jan 2020 16:35

Tgt Ion: 130 Resp: 859214

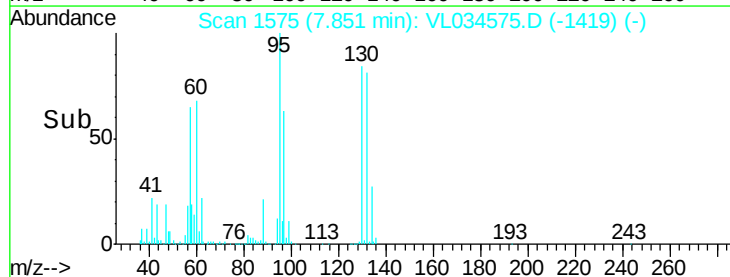
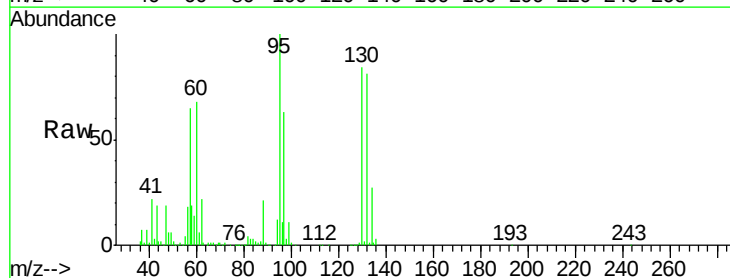
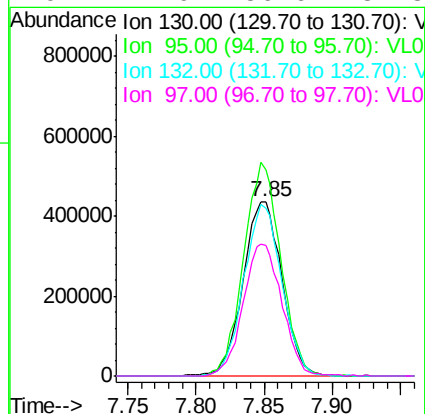
Ion Ratio Lower Upper

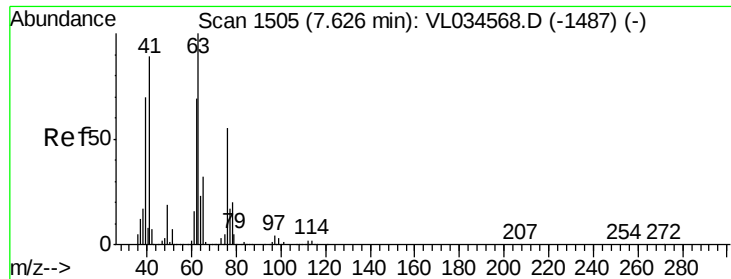
130 100

95 118.4 91.6 137.4

132 96.5 76.1 114.1

97 74.9 56.6 84.8





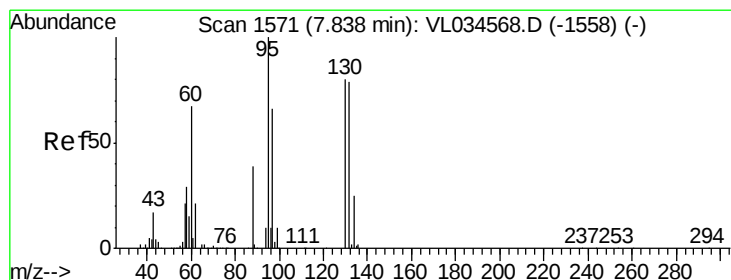
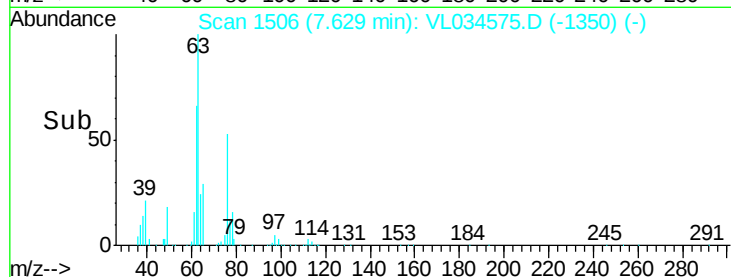
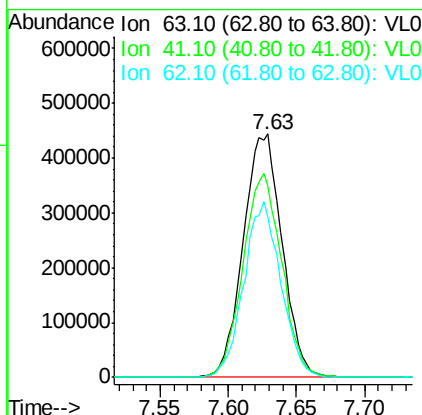
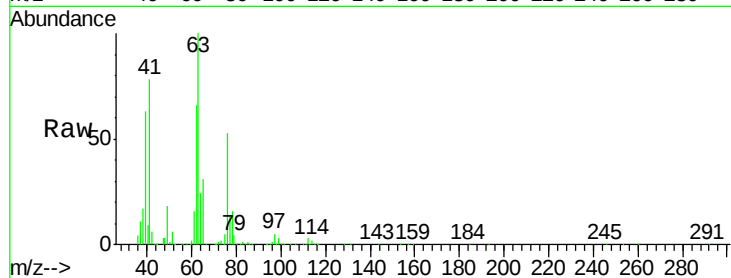
#39
 1,2-Dichloropropane
 Concen: 9.581 ppbv
 RT: 7.63 min Scan# 1506
 Delta R.T. 0.00 min
 Lab File: VL034575.D
 Acq: 30 Jan 2020 16:35

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL013020

Tot Ion	Ratio	Lower	Upper
63	100		
41	78.3	71.0	106.4
62	66.1	55.4	83.0

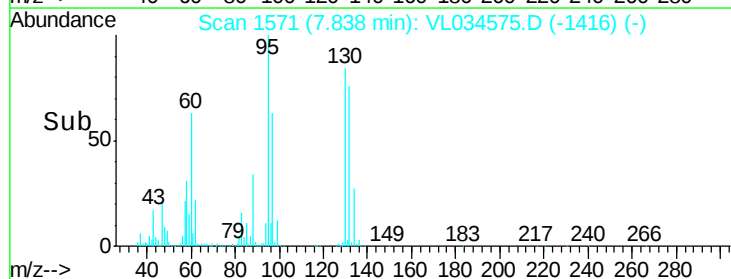
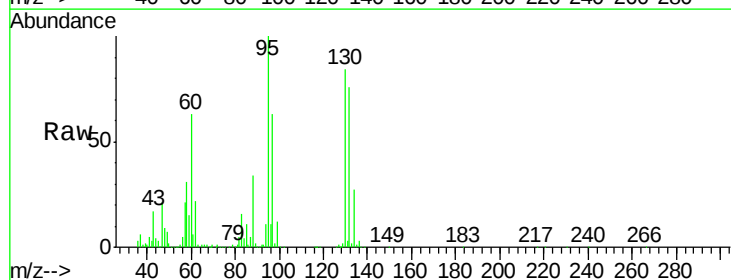
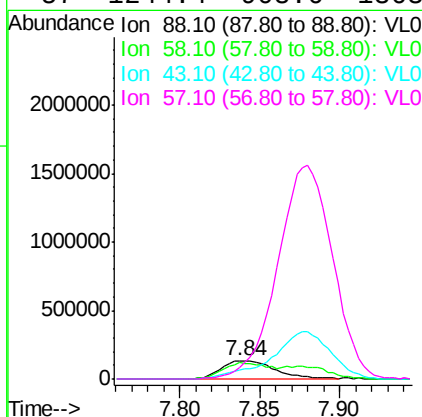
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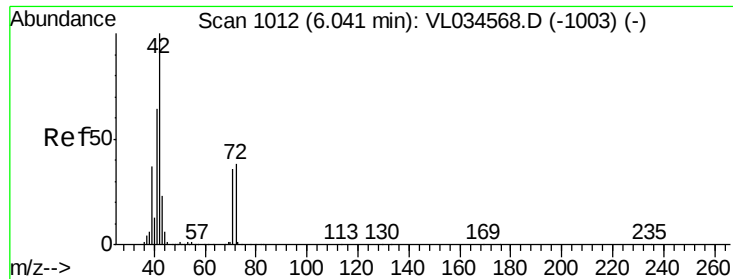
MMDadoda
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#40
 1,4-Dioxane
 Concen: 8.517 ppbv
 RT: 7.84 min Scan# 1571
 Delta R.T. -0.00 min
 Lab File: VL034575.D
 Acq: 30 Jan 2020 16:35

Tgt Ion	Ratio	Lower	Upper
88	100		
58	141.2	107.8	161.8
43	296.2	220.9	331.3
57	1244.4	908.6	1363.0





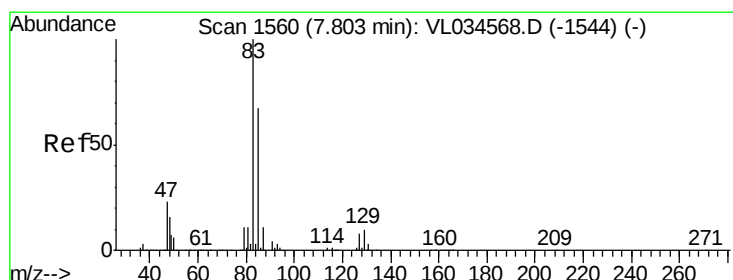
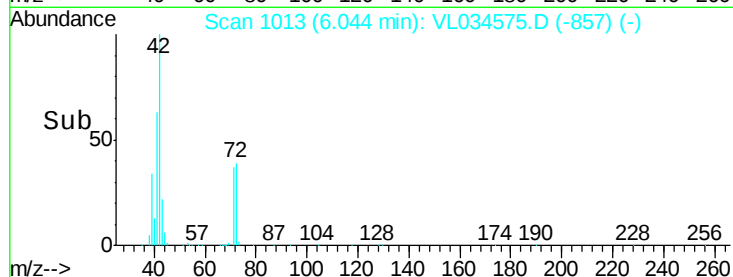
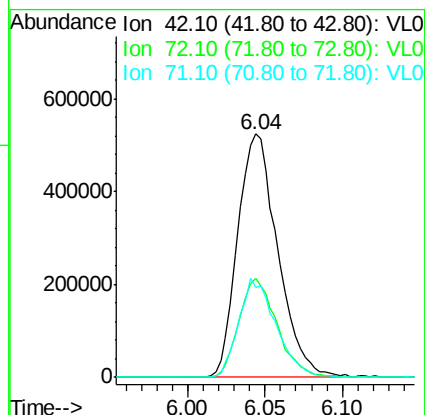
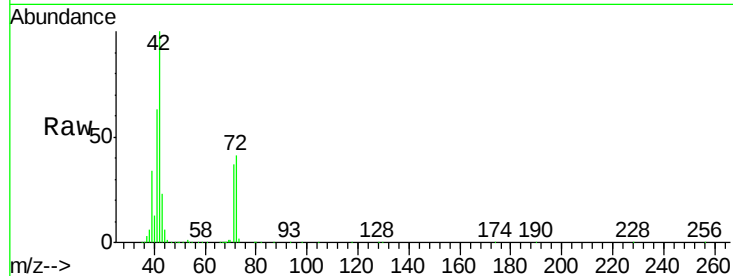
#41
Tetrahydrofuran
Concen: 9.964 ppbv
RT: 6.04 min Scan# 1013
Delta R.T. 0.00 min
Lab File: VL034575.D
Acq: 30 Jan 2020 16:35

Instrument :
MSVOA_L
ClientSampleId :
ICVVL013020

Tot Ion	Ratio	Lower	Upper
42	100		
72	38.9	31.8	47.8
71	37.9	30.2	45.4

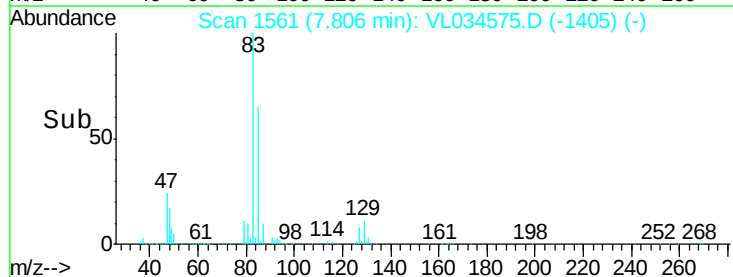
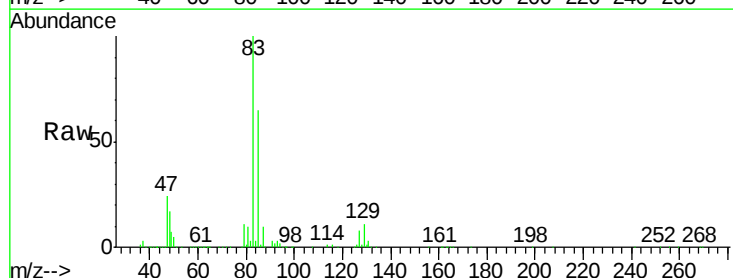
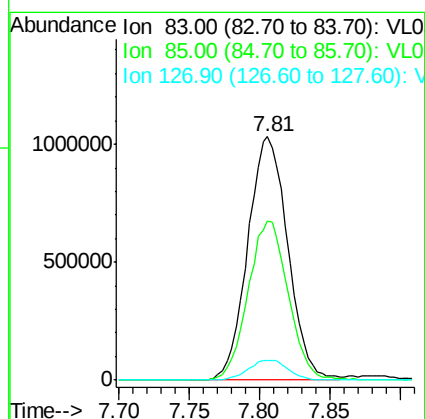
Manual Integrations
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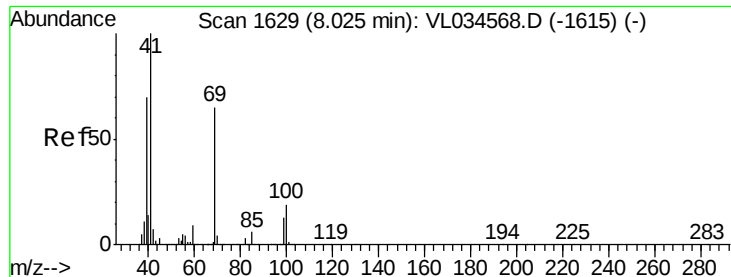
MMDadoda
1/31/2020 4:25:28 PM



#42
Bromodichloromethane
Concen: 9.008 ppbv
RT: 7.81 min Scan# 1561
Delta R.T. 0.00 min
Lab File: VL034575.D
Acq: 30 Jan 2020 16:35

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.2	53.2	79.8
127	8.0	6.5	9.7





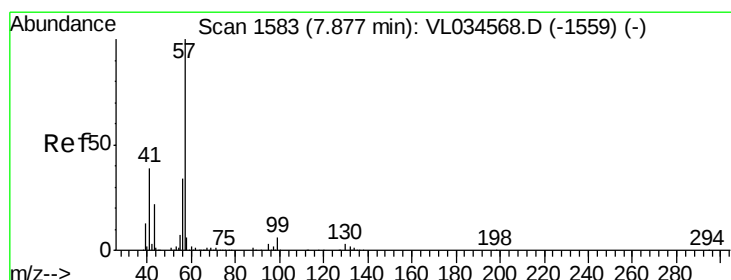
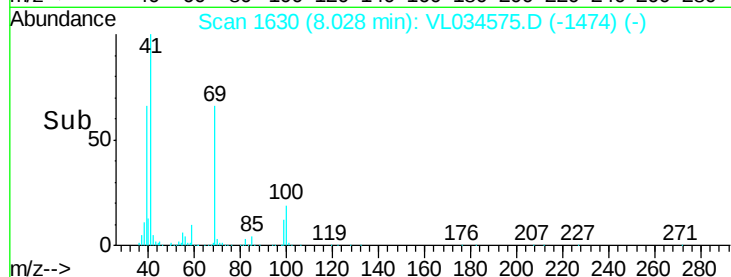
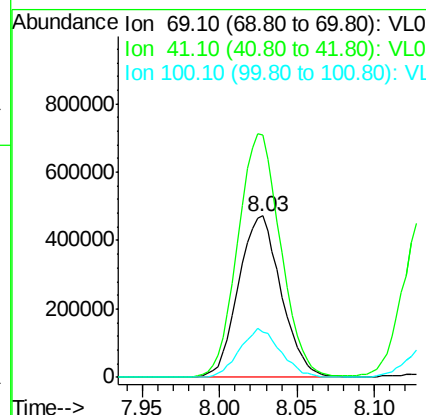
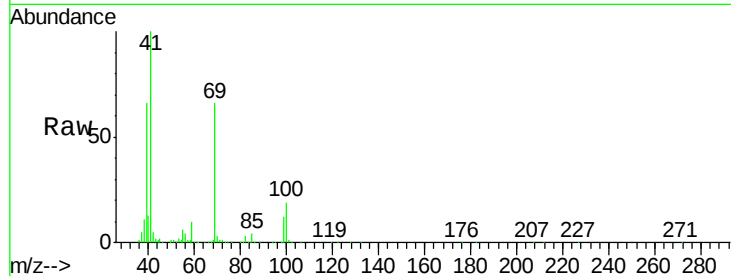
#43
Methvl Methacrylate
Concen: 10.116 ppbv
RT: 8.03 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VL034575.D
Acq: 30 Jan 2020 16:35

Instrument :
MSVOA_L
ClientSampleId :
ICVVL013020

Tot Ion	Ratio	Lower	Upper
69	100		
41	151.6	123.9	185.9
100	29.2	24.1	36.1

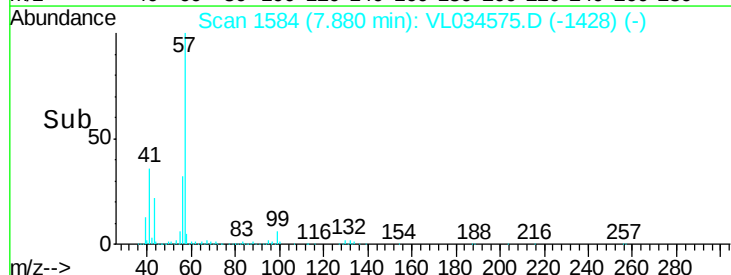
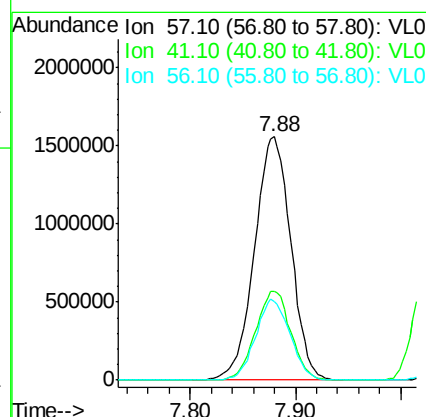
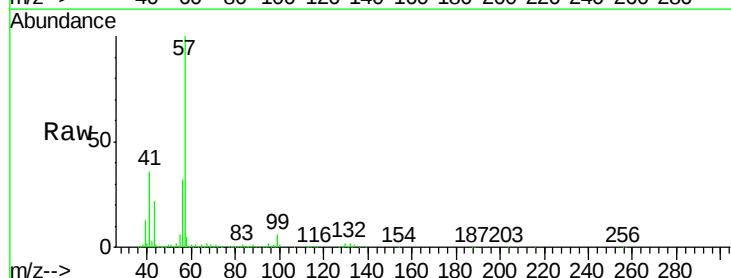
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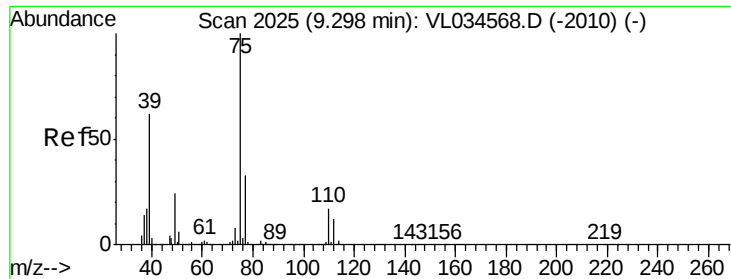
MMDadoda
1/31/2020 4:25:28 PM



#44
2,2,4-Trimethylpentane
Concen: 9.301 ppbv
RT: 7.88 min Scan# 1584
Delta R.T. 0.00 min
Lab File: VL034575.D
Acq: 30 Jan 2020 16:35

Tgt Ion	Ratio	Lower	Upper
57	100		
41	35.5	28.9	43.3
56	31.4	25.5	38.3





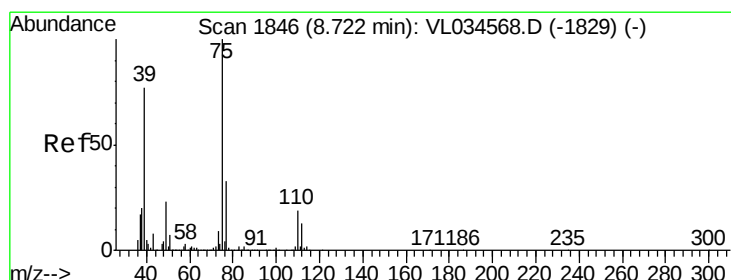
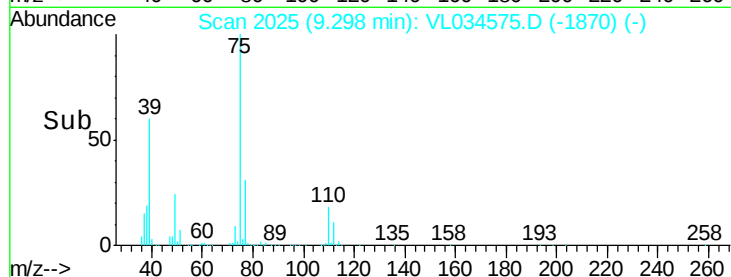
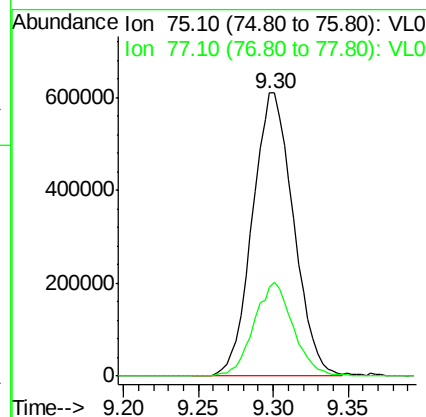
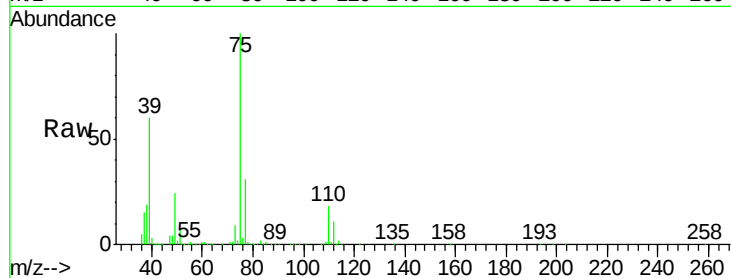
#45
t-1,3-Dichloropropene
Concen: 9.992 ppbv
RT: 9.30 min Scan# 2025
Delta R.T. -0.00 min
Lab File: VL034575.D
Acq: 30 Jan 2020 16:35

Instrument :
MSVOA_L
ClientSampleId :
ICVVL013020

Tot Ion: 75 Resp: 1166954
Ion Ratio Lower Upper
75 100
77 31.3 26.7 40.1

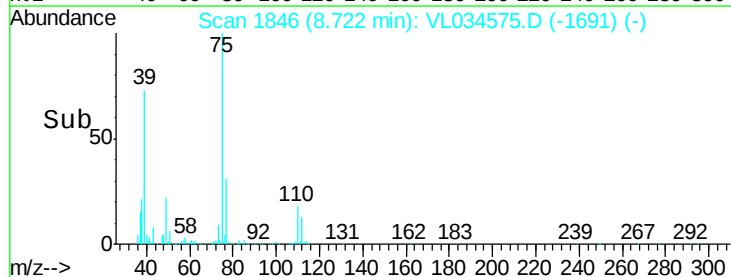
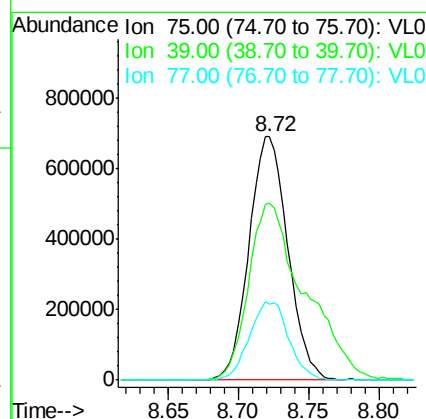
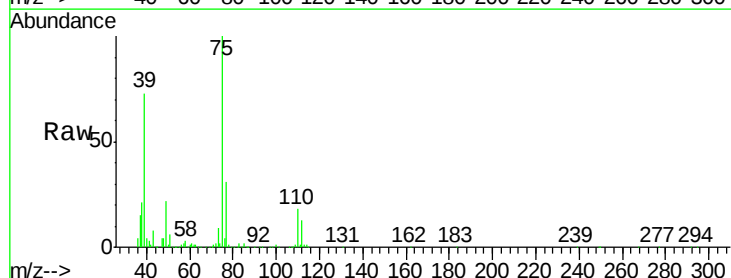
Manual Integrations
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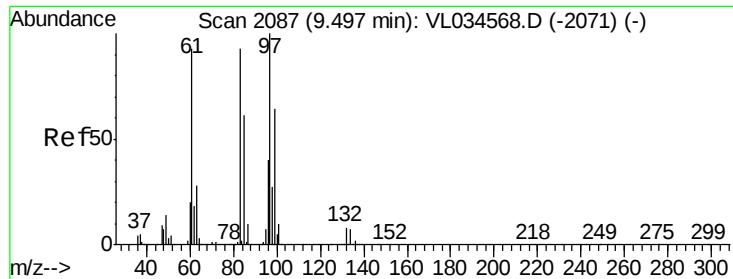
MMDadoda
1/31/2020 4:25:28 PM



#46
cis-1,3-Dichloropropene
Concen: 10.037 ppbv
RT: 8.72 min Scan# 1846
Delta R.T. -0.00 min
Lab File: VL034575.D
Acq: 30 Jan 2020 16:35

Tgt Ion: 75 Resp: 1332288
Ion Ratio Lower Upper
75 100
39 73.0 61.9 92.9
77 31.2 26.1 39.1





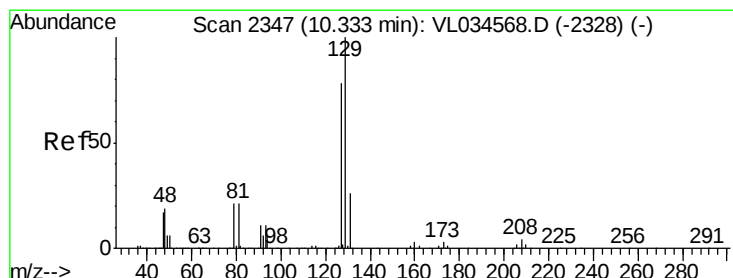
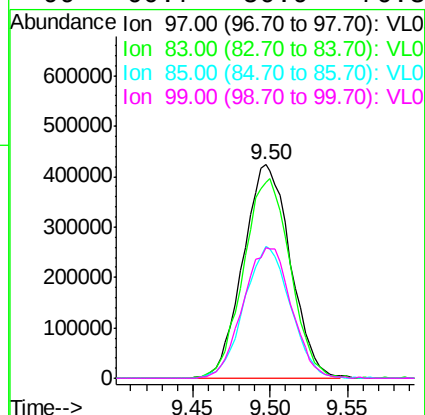
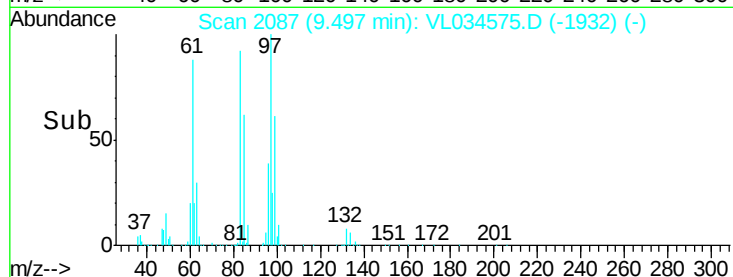
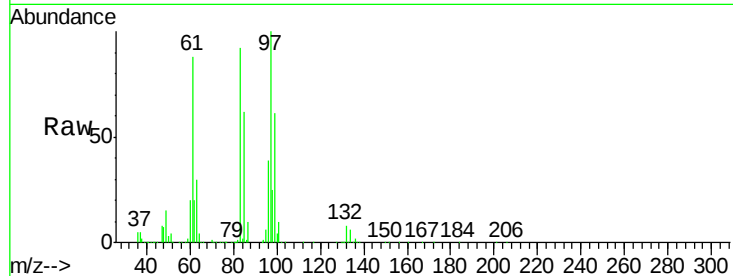
#47
 1,1,2-Trichloroethane
 Concen: 9.062 ppbv
 RT: 9.50 min Scan# 2087
 Delta R.T. -0.00 min
 Lab File: VL034575.D
 Acq: 30 Jan 2020 16:35

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL013020

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		902255		
83	91.7	74.4	111.6		
85	61.8	49.2	73.8		
99	60.7	50.9	76.3		

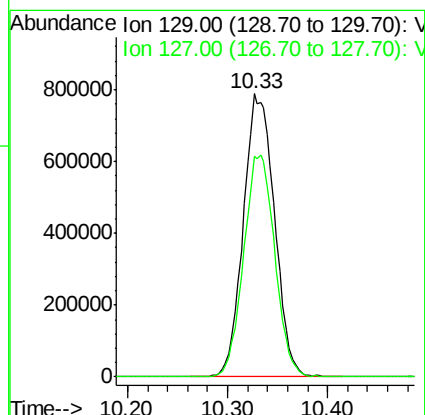
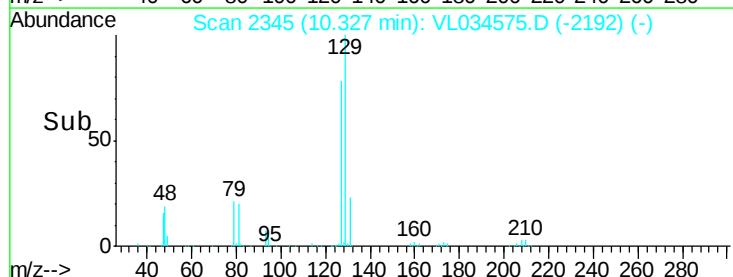
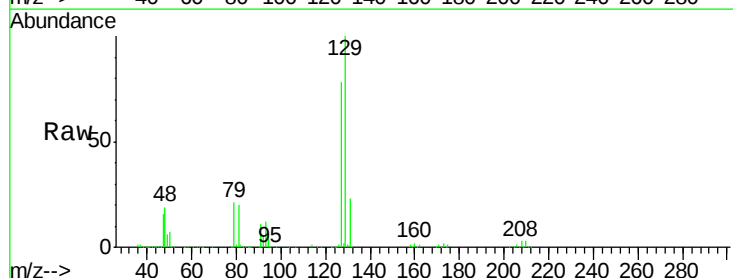
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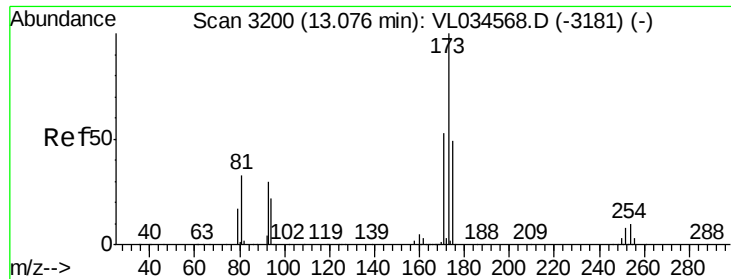
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#48
 Dibromochloromethane
 Concen: 9.362 ppbv m
 RT: 10.33 min Scan# 2345
 Delta R.T. -0.01 min
 Lab File: VL034575.D
 Acq: 30 Jan 2020 16:35

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
129	100		1707963		
127	78.4	39.1	117.2		





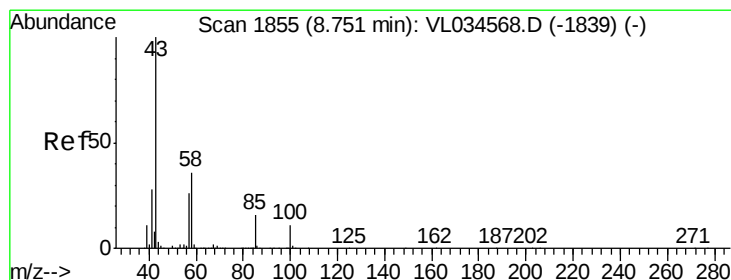
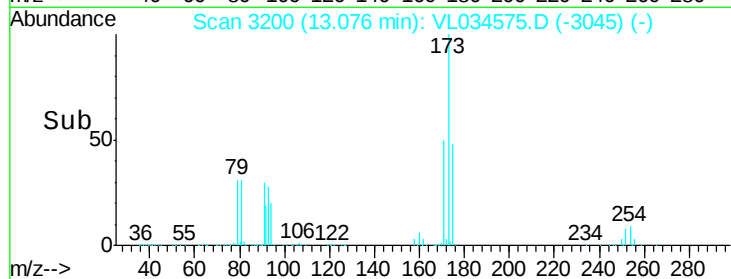
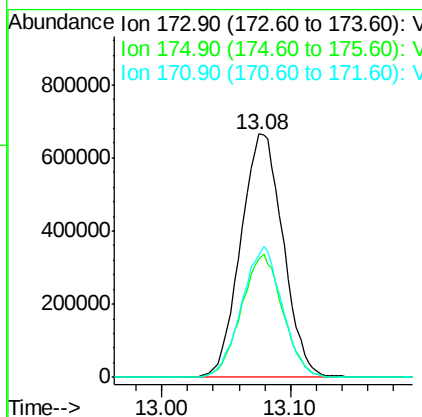
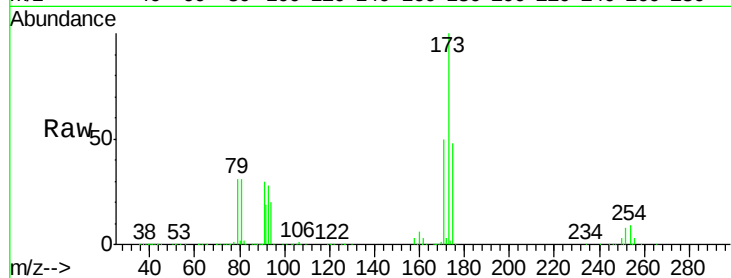
#49
Bromoform
Concen: 9.511 ppbv
RT: 13.08 min Scan# 3200
Delta R.T. -0.00 min
Lab File: VL034575.D
Acq: 30 Jan 2020 16:35

Instrument :
MSVOA_L
ClientSampleId :
ICVVL013020

Tot Ion:173 Resp: 1523492
Ion Ratio Lower Upper
173 100
175 49.4 39.7 59.5
171 51.5 41.6 62.4

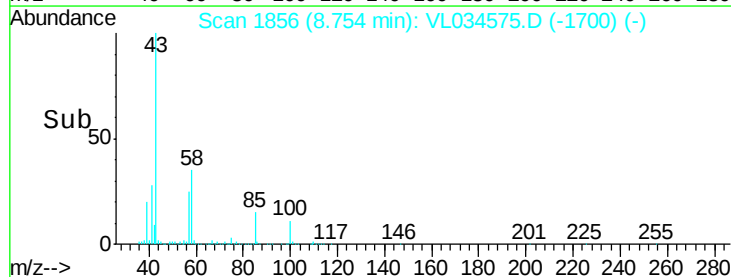
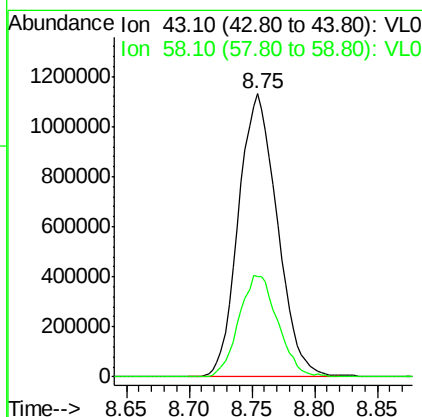
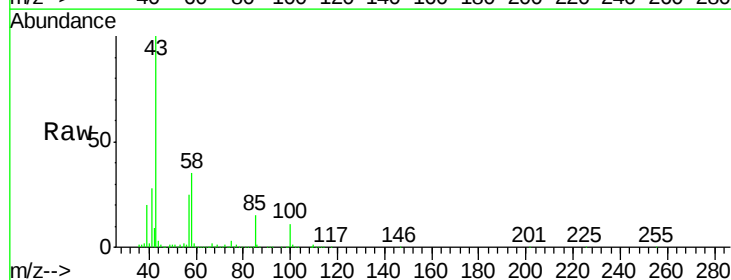
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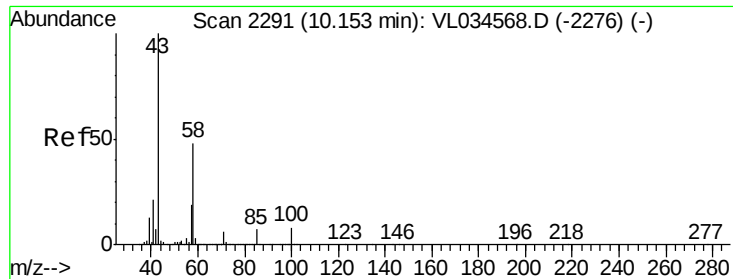
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#50
4-Methyl-2-Pentanone
Concen: 9.435 ppbv
RT: 8.75 min Scan# 1856
Delta R.T. 0.00 min
Lab File: VL034575.D
Acq: 30 Jan 2020 16:35

Tgt Ion: 43 Resp: 2436013
Ion Ratio Lower Upper
43 100
58 36.1 28.6 43.0





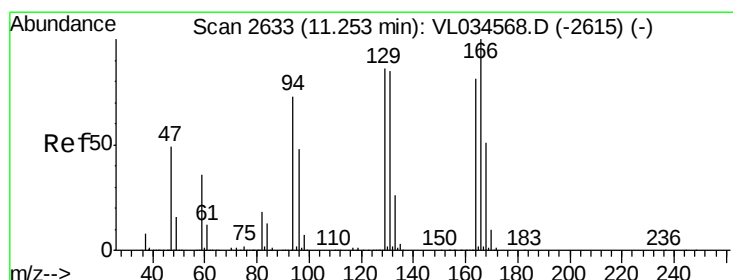
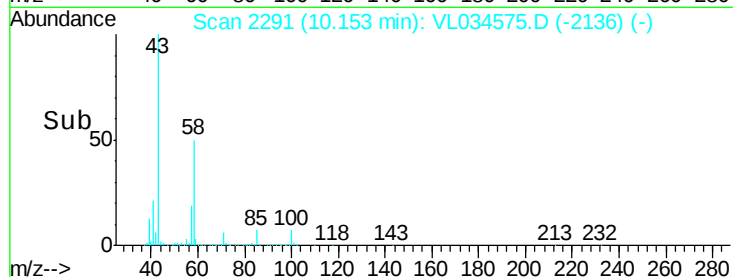
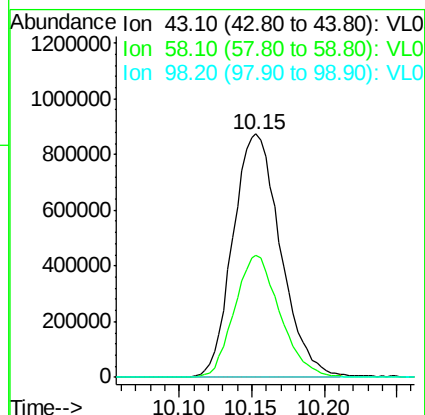
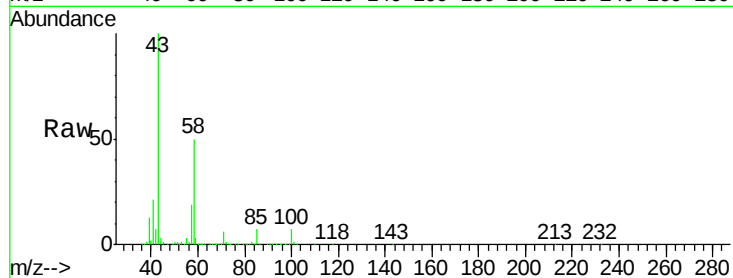
#51
2-Hexanone
Concen: 9.780 ppbv
RT: 10.15 min Scan# 2291
Delta R.T. -0.00 min
Lab File: VL034575.D
Acq: 30 Jan 2020 16:35

Instrument :
MSVOA_L
ClientSampleId :
ICVVL013020

Tot Ion: 43 Resp: 1987859
Ion Ratio Lower Upper
43 100
58 48.4 37.9 56.9
98 0.3 0.3 0.5#

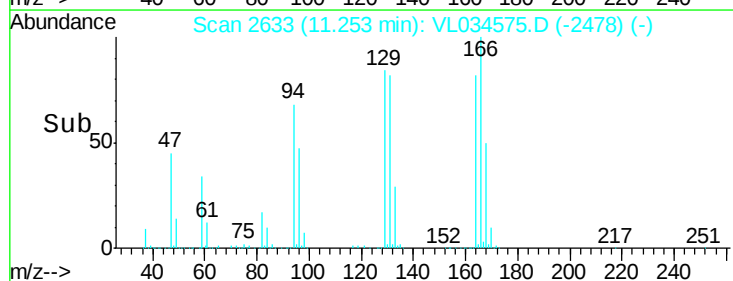
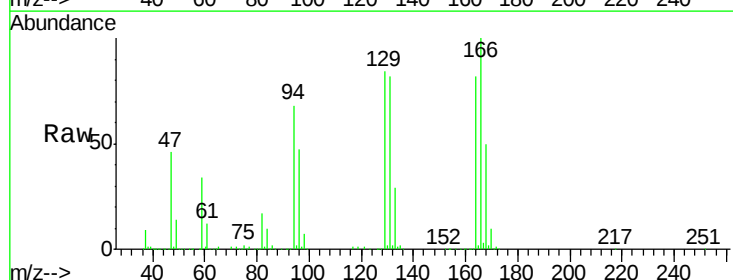
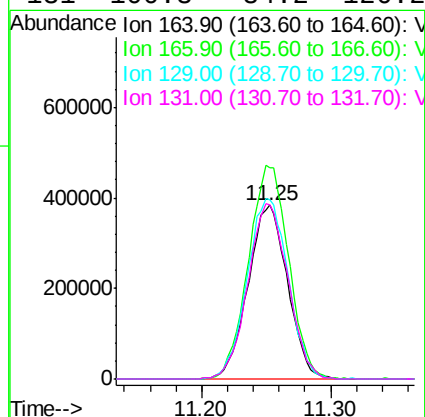
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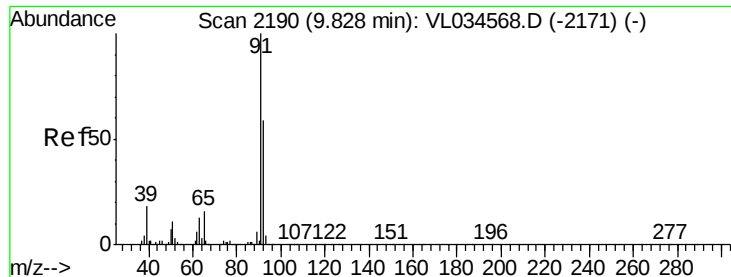
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#52
Tetrachloroethene
Concen: 9.176 ppbv
RT: 11.25 min Scan# 2633
Delta R.T. -0.00 min
Lab File: VL034575.D
Acq: 30 Jan 2020 16:35

Tgt Ion:164 Resp: 817415
Ion Ratio Lower Upper
164 100
166 121.8 99.0 148.4
129 103.0 85.3 127.9
131 100.3 84.2 126.2





#53

Toluene

Concen: 9.976 ppbv

RT: 9.83 min Scan# 2190

Delta R.T. -0.00 min

Lab File: VL034575.D

Acq: 30 Jan 2020 16:35

Instrument :

MSVOA_L

ClientSampleId :

ICVVL013020

Tot Ion: 91 Resp: 2430112

Ion Ratio Lower Upper

91 100

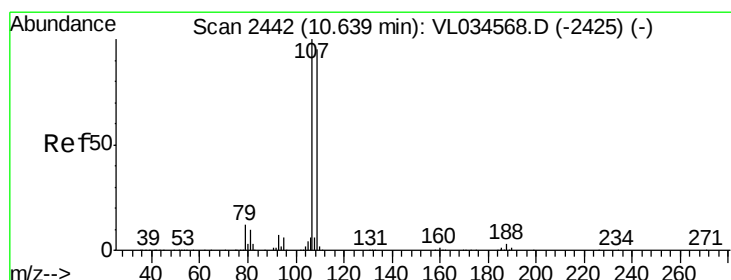
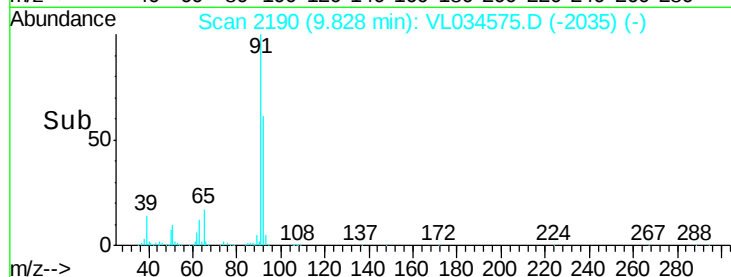
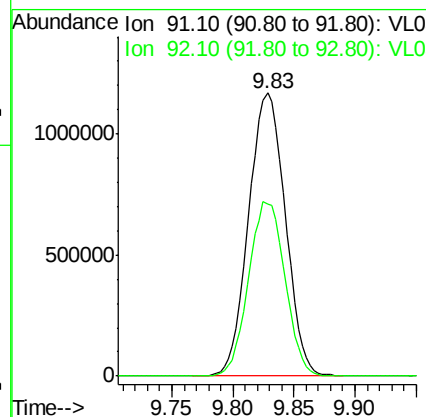
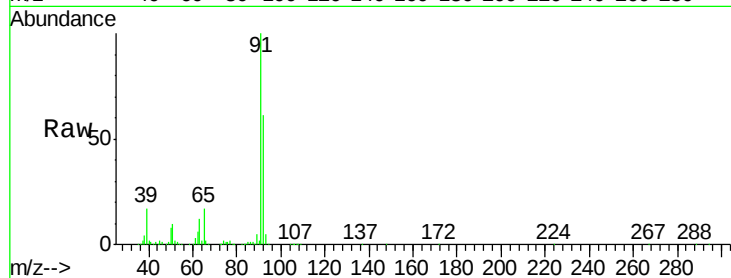
92 61.1 48.2 72.2

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#54

1,2-Dibromoethane

Concen: 9.586 ppbv

RT: 10.64 min Scan# 2442

Delta R.T. -0.00 min

Lab File: VL034575.D

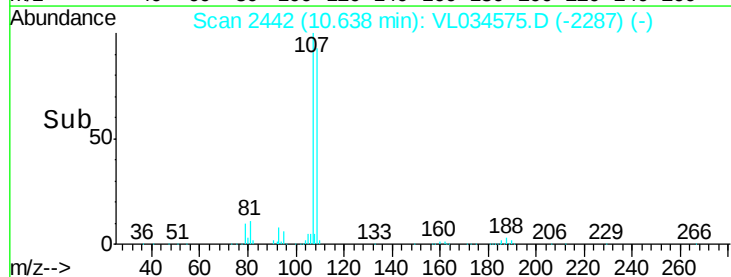
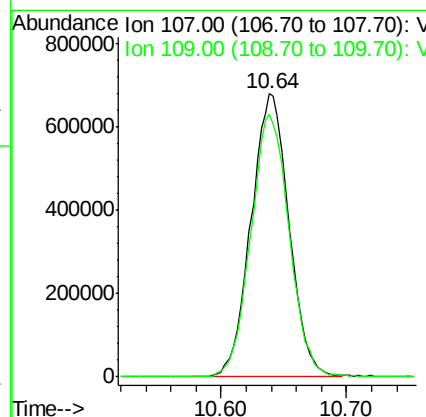
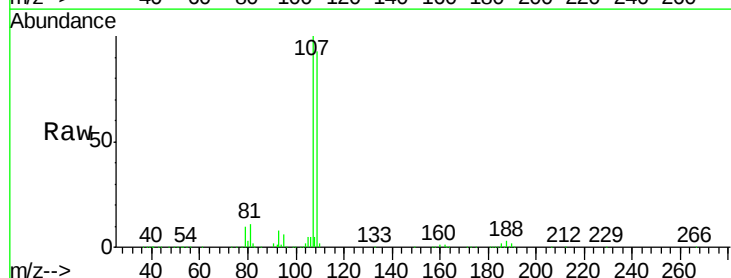
Acq: 30 Jan 2020 16:35

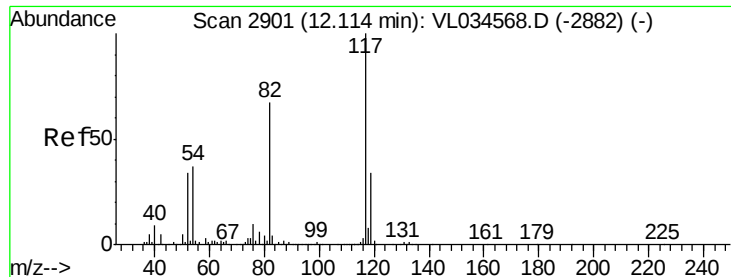
Tgt Ion:107 Resp: 1430232

Ion Ratio Lower Upper

107 100

109 93.0 75.9 113.9





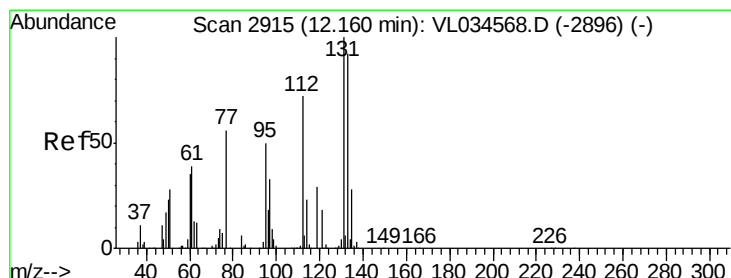
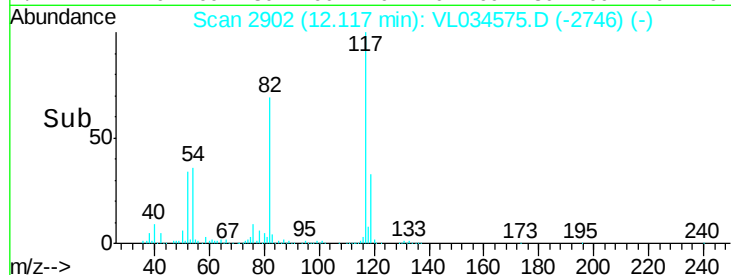
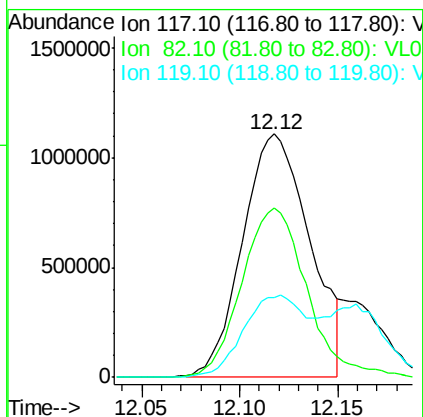
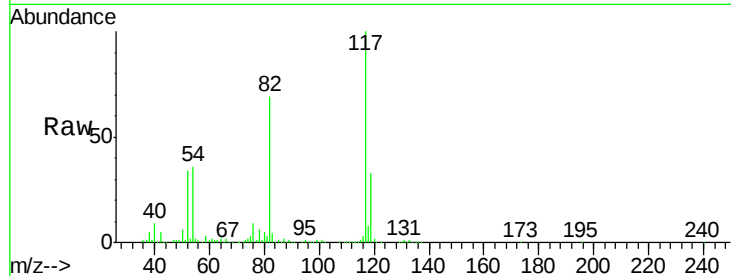
#55
Chlorobenzene-d5
Concen: 10.000 ppbv m
RT: 12.12 min Scan# 2902
Delta R.T. 0.00 min
Lab File: VL034575.D
Acq: 30 Jan 2020 16:35

Instrument :
MSVOA_L
ClientSampleId :
ICVVL013020

Tot Ion:117 Resp: 2629993
Ion Ratio Lower Upper
117 100
82 67.9 54.2 81.4
119 34.8 26.1 39.1

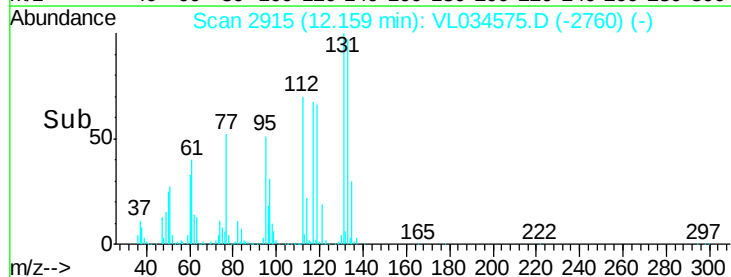
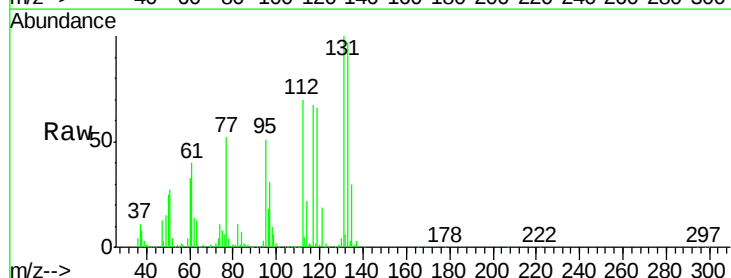
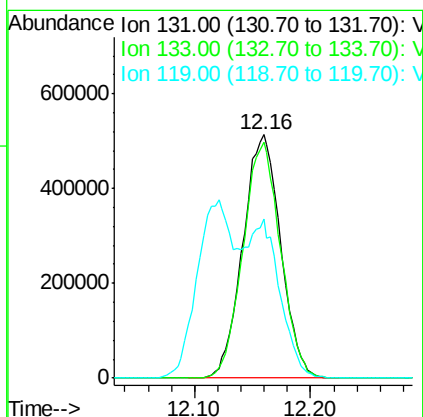
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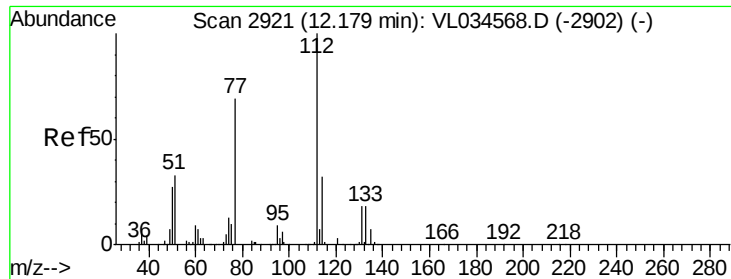
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#56
1,1,1,2-Tetrachloroethane
Concen: 8.965 ppbv
RT: 12.16 min Scan# 2915
Delta R.T. -0.00 min
Lab File: VL034575.D
Acq: 30 Jan 2020 16:35

Tgt Ion:131 Resp: 1164045
Ion Ratio Lower Upper
131 100
133 96.2 75.8 113.8
119 52.7 47.0 70.6





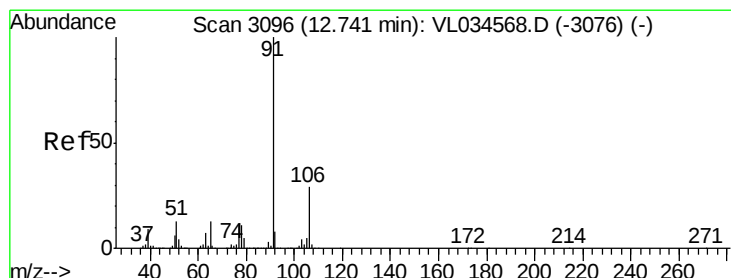
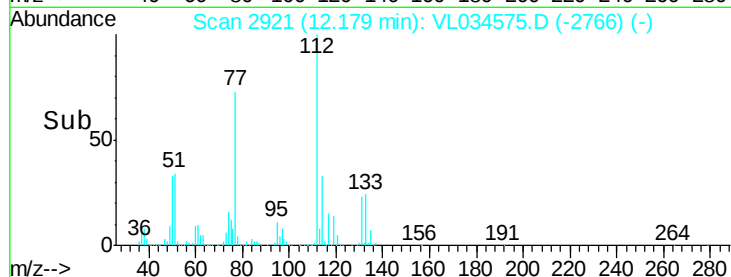
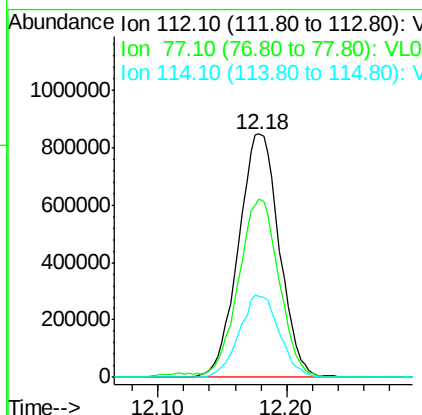
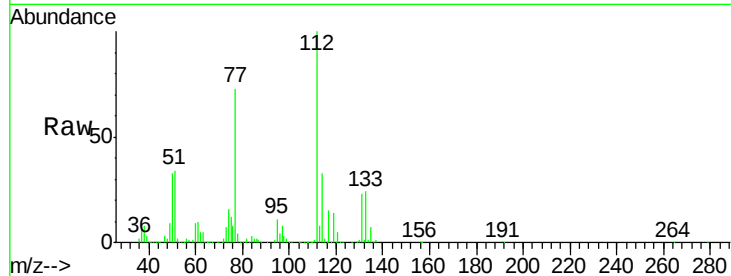
#57
Chlorobenzene
Concen: 8.617 ppbv
RT: 12.18 min Scan# 2921
Delta R.T. -0.00 min
Lab File: VL034575.D
Acq: 30 Jan 2020 16:35

Instrument :
MSVOA_L
ClientSampleId :
ICVVL013020

Tot Ion:112 Resp: 1864735
Ion Ratio Lower Upper
112 100
77 72.9 56.5 84.7
114 33.2 29.2 35.6

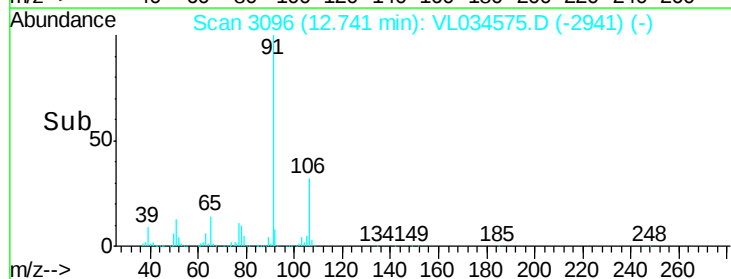
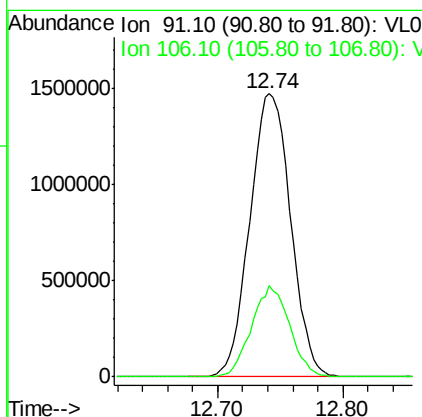
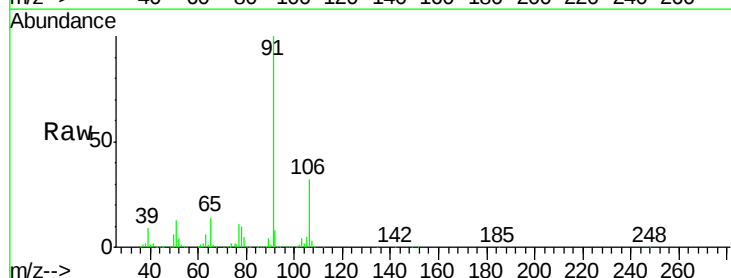
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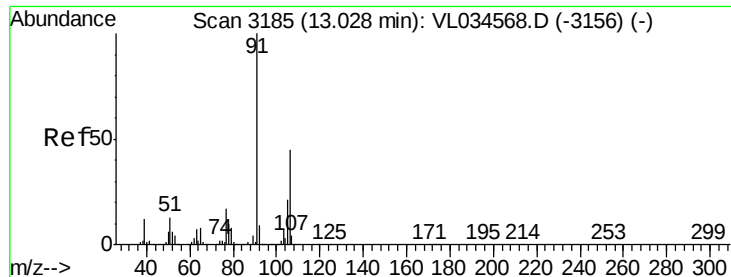
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#58
Ethyl Benzene
Concen: 9.481 ppbv
RT: 12.74 min Scan# 3096
Delta R.T. -0.00 min
Lab File: VL034575.D
Acq: 30 Jan 2020 16:35

Tgt Ion: 91 Resp: 3336558
Ion Ratio Lower Upper
91 100
106 32.2 23.3 34.9





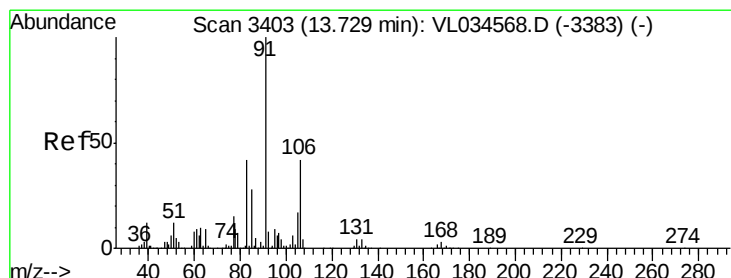
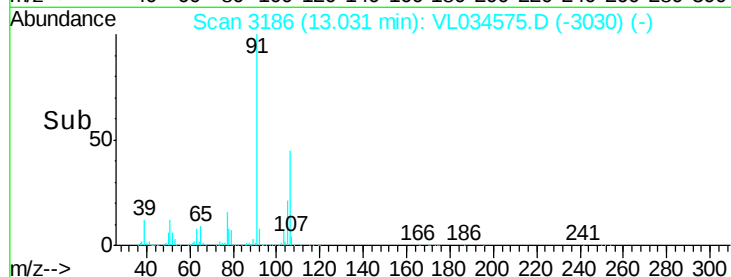
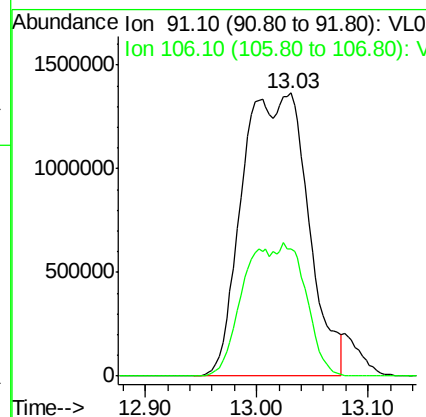
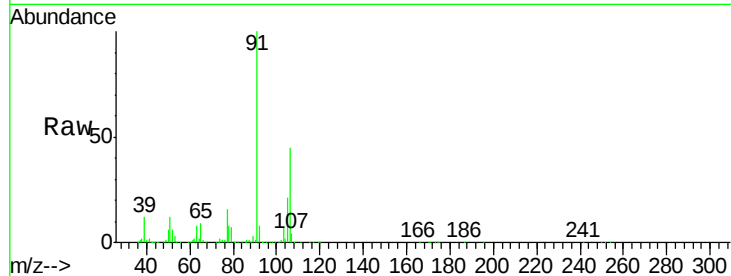
#59
m/p-Xylene
Concen: 18.044 ppbv m
RT: 13.03 min Scan# 3186
Delta R.T. 0.00 min
Lab File: VL034575.D
Acq: 30 Jan 2020 16:35

Instrument :
MSVOA_L
ClientSampleId :
ICVVL013020

Tot Ion: 91 Resp: 5613542
Ion Ratio Lower Upper
91 100
106 44.1 35.3 52.9

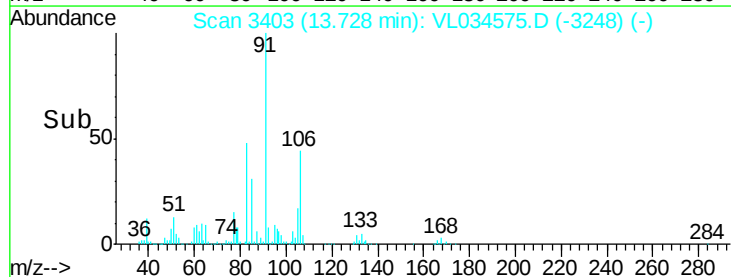
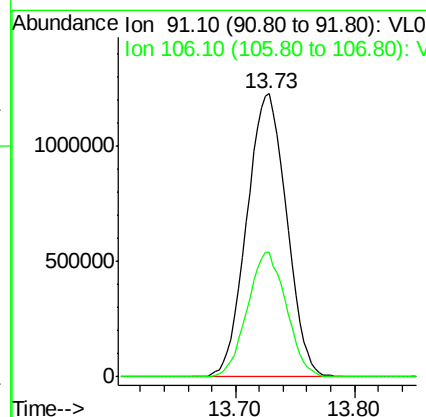
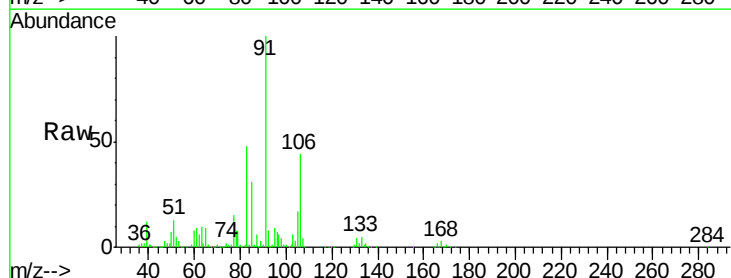
Manual Integrations
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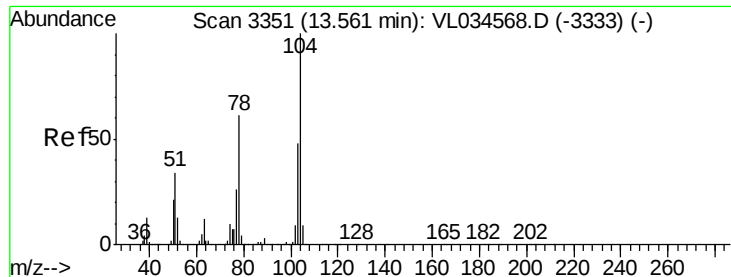
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#60
o-Xylene
Concen: 9.093 ppbv
RT: 13.73 min Scan# 3403
Delta R.T. -0.00 min
Lab File: VL034575.D
Acq: 30 Jan 2020 16:35

Tgt Ion: 91 Resp: 2841123
Ion Ratio Lower Upper
91 100
106 42.9 21.6 65.0





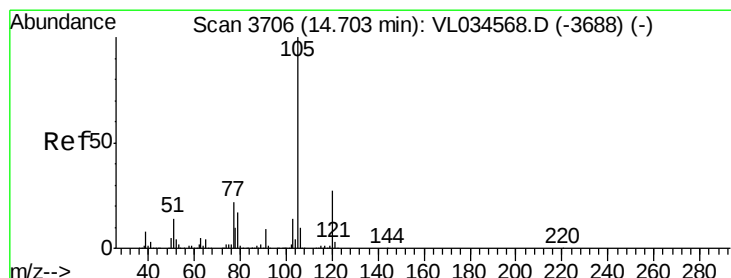
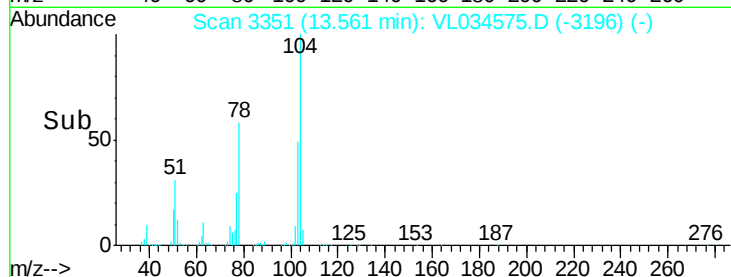
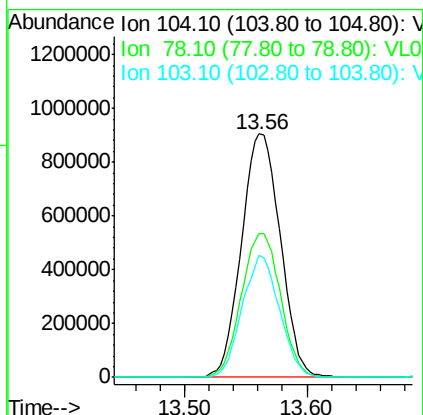
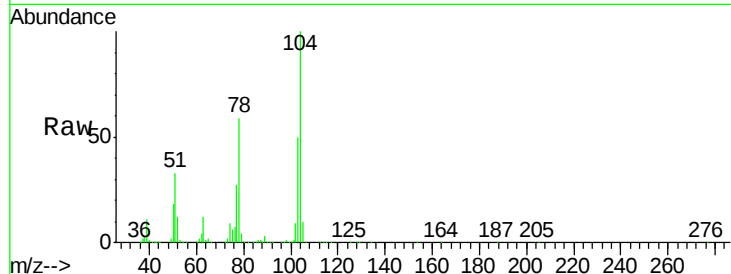
#61
Stvrene
Concen: 9.557 ppbv
RT: 13.56 min Scan# 3351
Delta R.T. -0.00 min
Lab File: VL034575.D
Acq: 30 Jan 2020 16:35

Instrument :
MSVOA_L
ClientSampleId :
ICVVL013020

Tot Ion	Ratio	Lower	Upper
104	100		
78	59.5	47.0	70.6
103	48.2	38.5	57.7

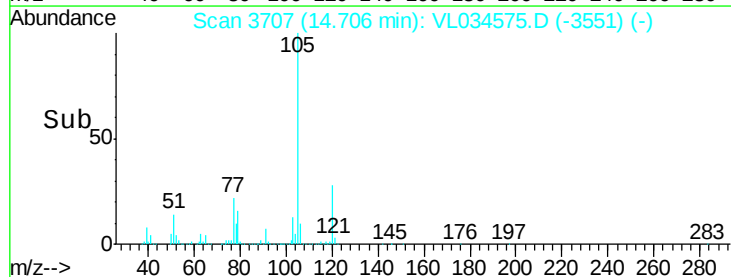
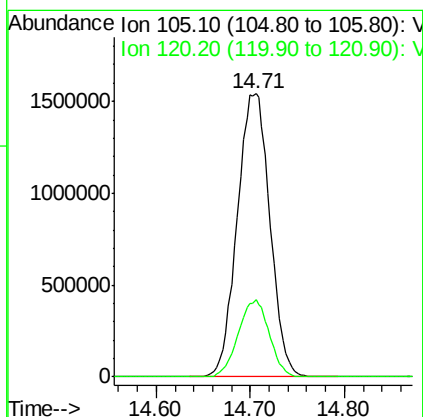
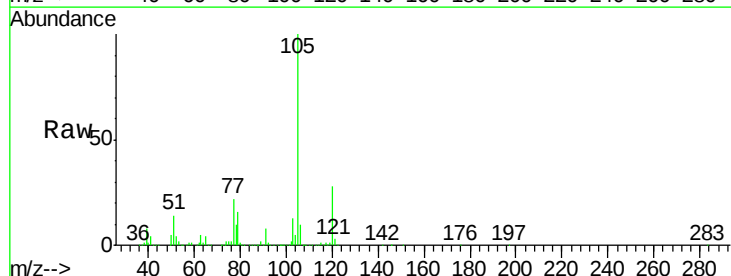
Manual Integrations
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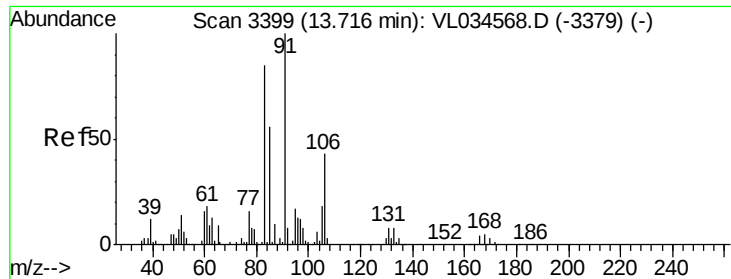
MMDadoda
1/31/2020 4:25:28 PM



#62
Isopropylbenzene
Concen: 9.204 ppbv m
RT: 14.71 min Scan# 3707
Delta R.T. 0.00 min
Lab File: VL034575.D
Acq: 30 Jan 2020 16:35

Tgt Ion	Ratio	Lower	Upper
105	100		
120	25.8	20.7	31.1





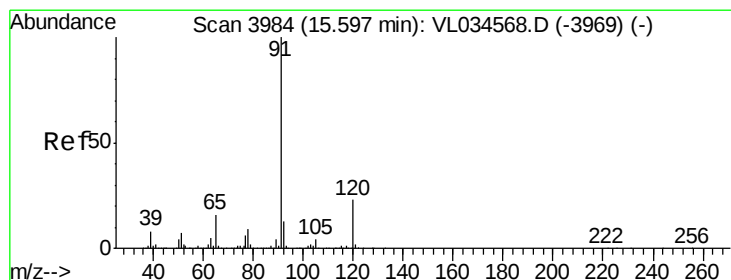
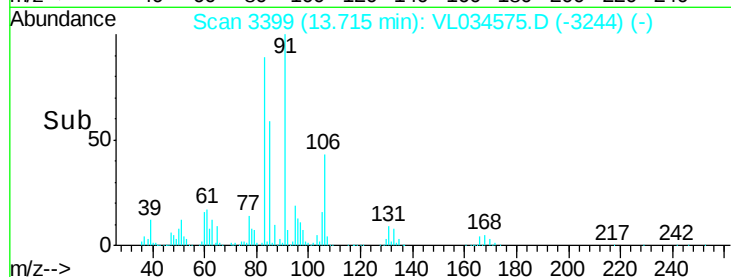
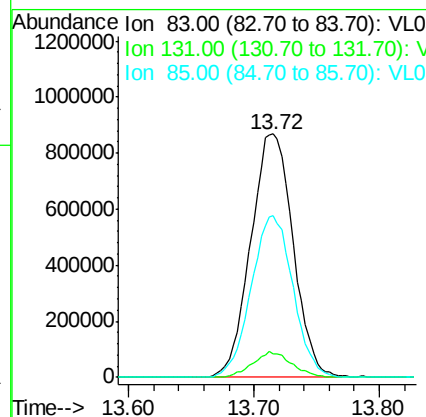
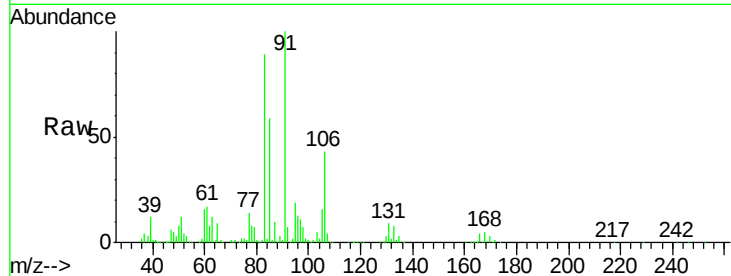
#63
 1,1,2,2-Tetrachloroethane
 Concen: 8.442 ppbv
 RT: 13.72 min Scan# 3399
 Delta R.T. -0.00 min
 Lab File: VL034575.D
 Acq: 30 Jan 2020 16:35

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL013020

Tot Ion	83	Resp	2039847
Ion Ratio	100	Lower	Upper
131	9.8	4.9	14.6
85	65.5	32.6	98.0

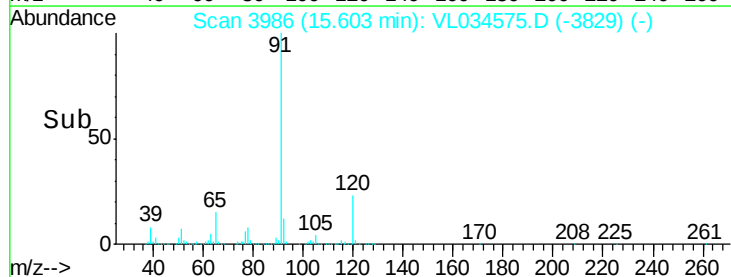
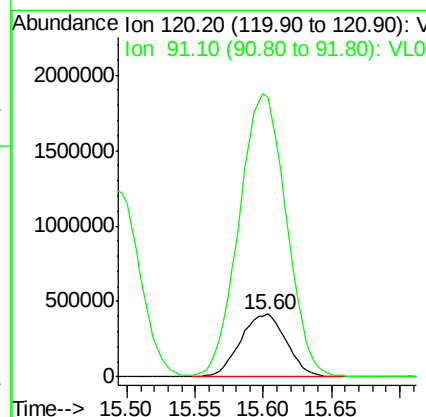
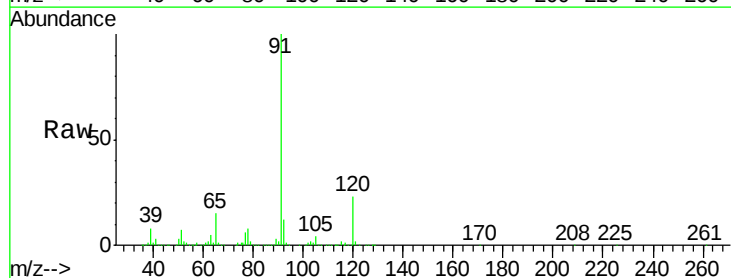
Manual Integrations
 APPROVED

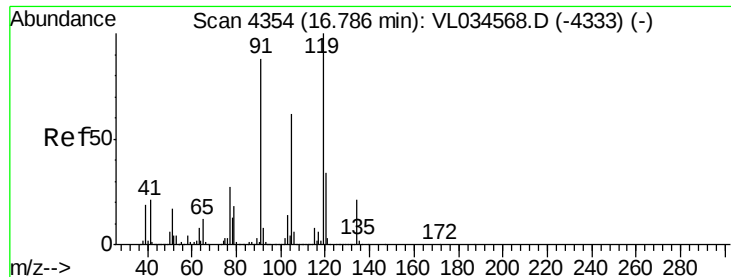
MMDadoda
 1/31/2020 4:25:28 PM



#64
 n-propylbenzene
 Concen: 9.310 ppbv
 RT: 15.60 min Scan# 3986
 Delta R.T. 0.01 min
 Lab File: VL034575.D
 Acq: 30 Jan 2020 16:35

Tgt Ion	120	Resp	969721
Ion Ratio	100	Lower	Upper
91	466.0	365.3	547.9





#65

tert-Butylbenzene

Concen: 9.231 ppbv

RT: 16.78 min Scan# 4353

Delta R.T. -0.00 min

Lab File: VL034575.D

Acq: 30 Jan 2020 16:35

Instrument :

MSVOA_L

ClientSampleId :

ICVVL013020

Tot Ion:119 Resp: 3386001

Ion Ratio Lower Upper

119 100

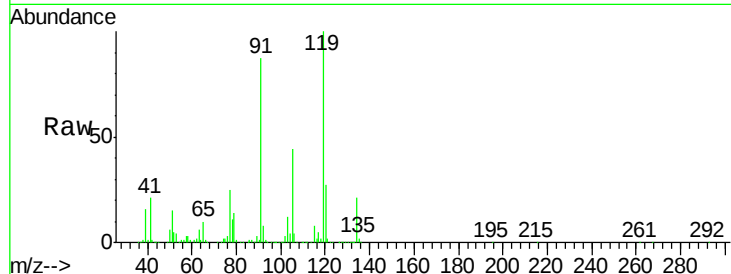
91 90.1 72.2 108.4

134 20.1 15.9 23.9

Manual Integrations
APPROVED

MMDadoda

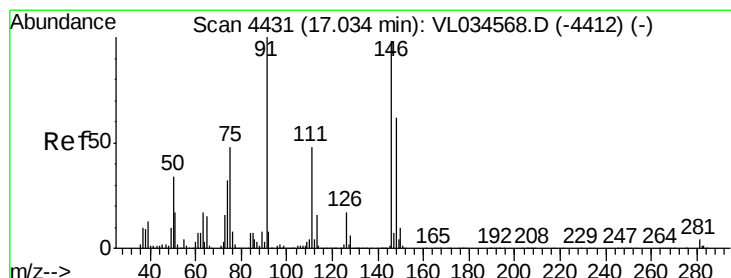
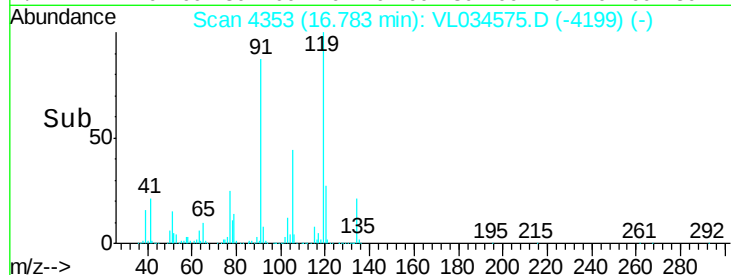
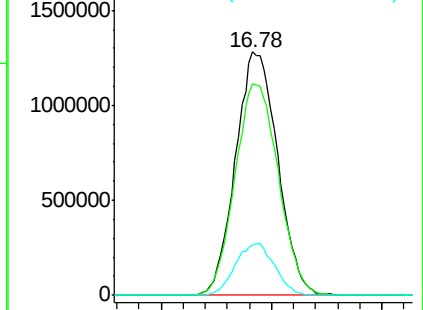
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Abundance Ion 119.20 (118.90 to 119.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 134.20 (133.90 to 134.90): V



#66

Benzyl Chloride

Concen: 10.400 ppbv

RT: 17.03 min Scan# 4430

Delta R.T. -0.00 min

Lab File: VL034575.D

Acq: 30 Jan 2020 16:35

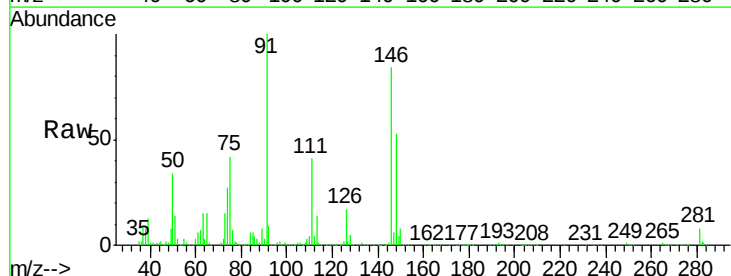
Tgt Ion: 91 Resp: 1599515

Ion Ratio Lower Upper

91 100

126 16.6 13.4 20.0

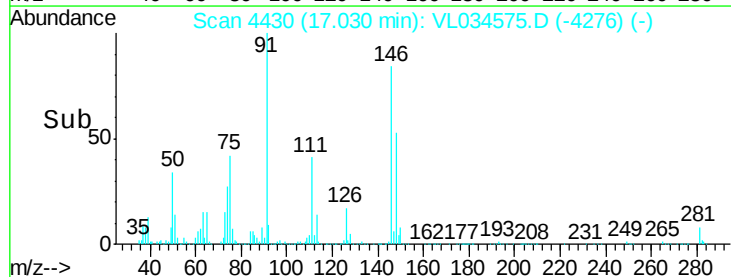
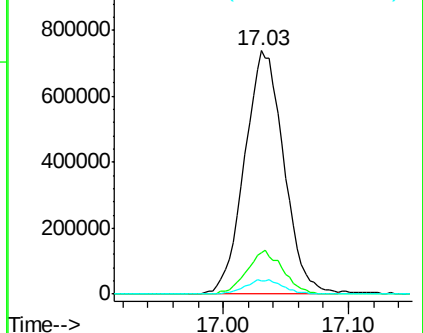
128 5.7 4.3 6.5

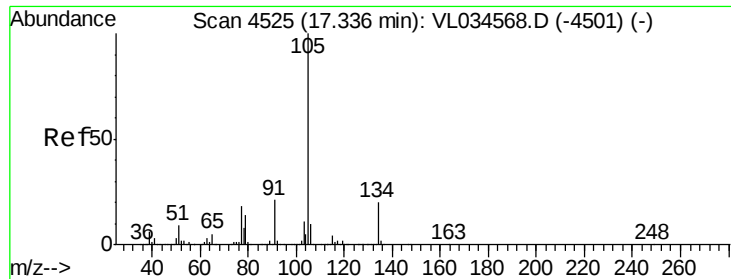


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V





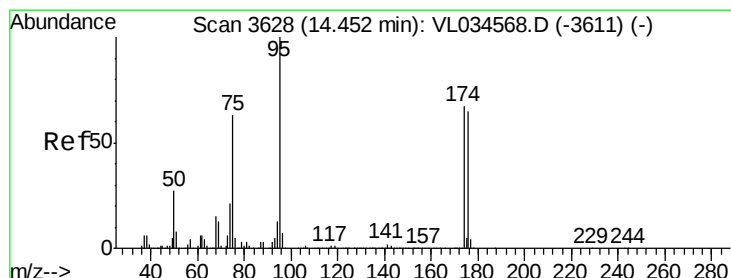
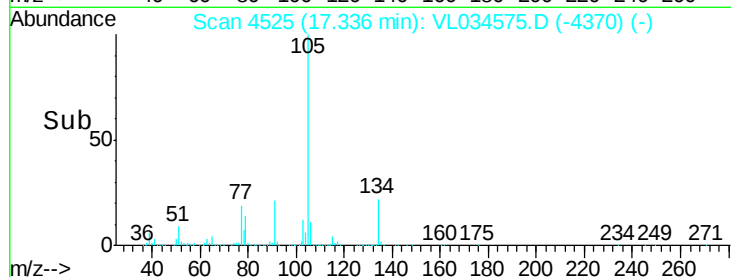
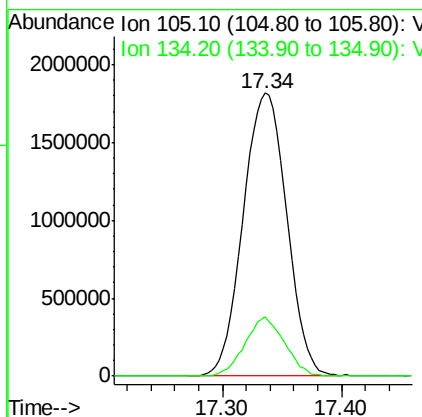
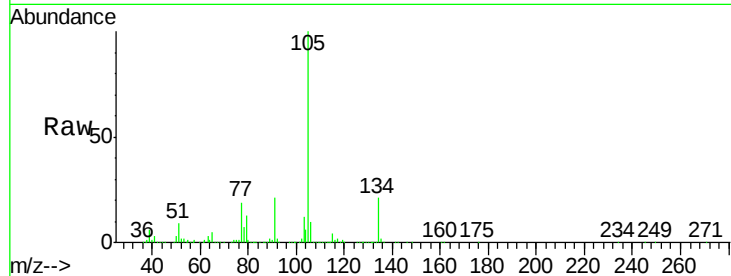
#67
 sec-Butylbenzene
 Concen: 9.152 ppbv
 RT: 17.34 min Scan# 4525
 Delta R.T. -0.00 min
 Lab File: VL034575.D
 Acq: 30 Jan 2020 16:35

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL013020

Tot Ion: 105 Resp: 4613509
 Ion Ratio Lower Upper
 105 100
 134 19.0 15.5 23.3

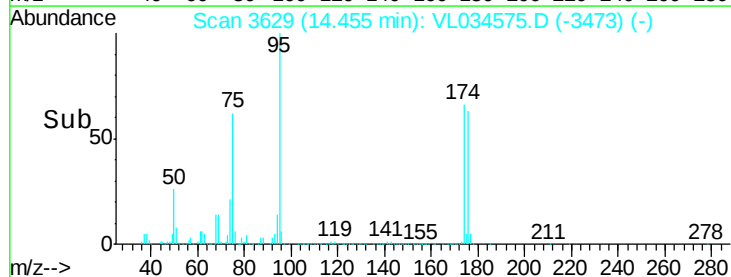
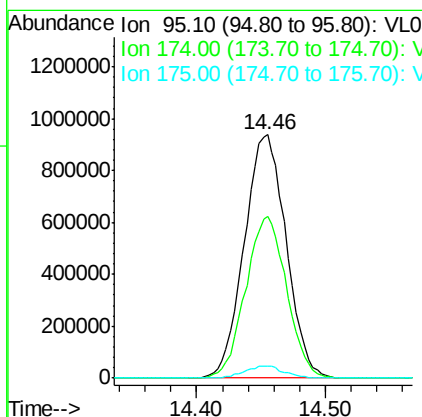
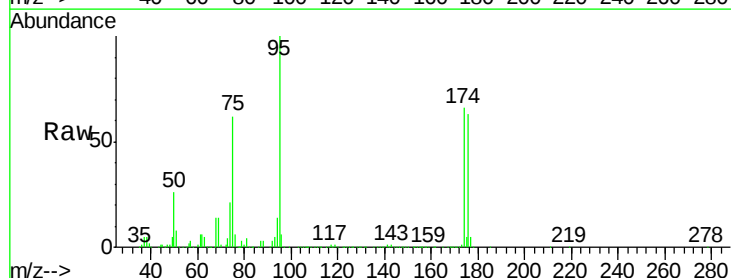
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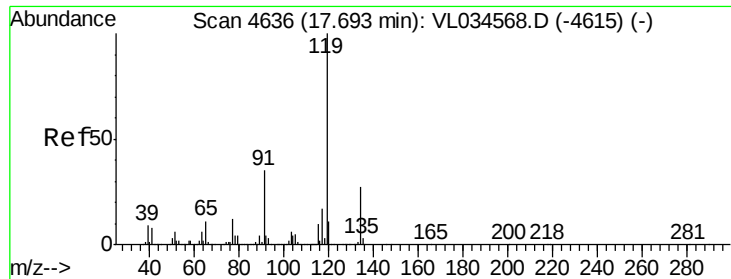
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#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.533 ppbv
 RT: 14.46 min Scan# 3629
 Delta R.T. 0.00 min
 Lab File: VL034575.D
 Acq: 30 Jan 2020 16:35

Tgt Ion: 95 Resp: 2118887
 Ion Ratio Lower Upper
 95 100
 174 65.3 52.3 78.5
 175 4.8 3.8 5.6





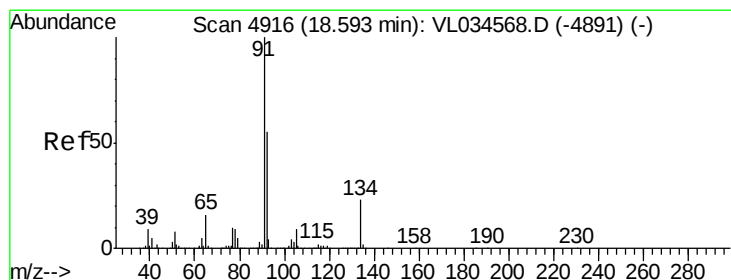
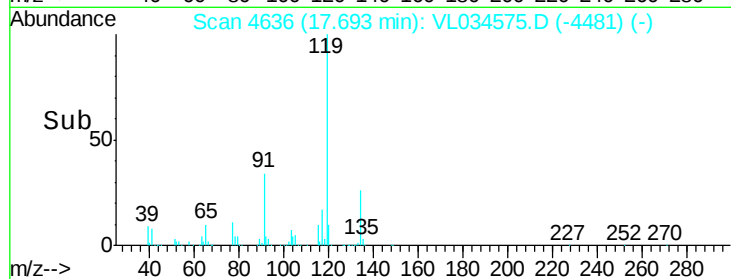
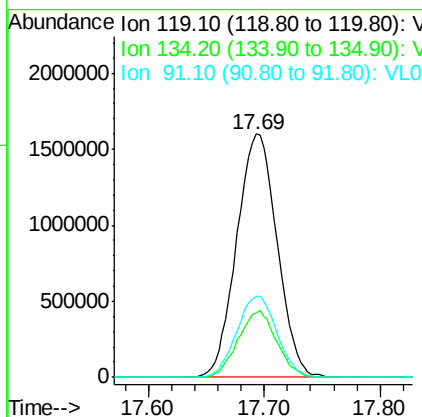
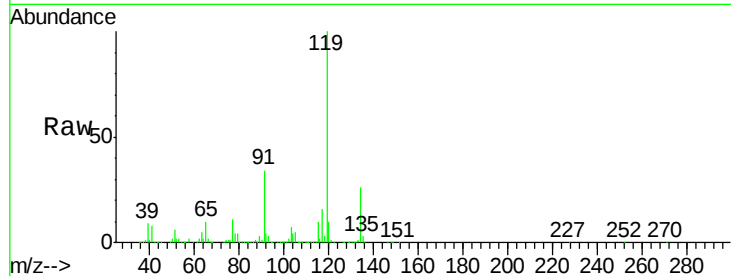
#69
 p-Isopropyltoluene
 Concen: 9.449 ppbv
 RT: 17.69 min Scan# 4636
 Delta R.T. -0.00 min
 Lab File: VL034575.D
 Acq: 30 Jan 2020 16:35

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL013020

Tot Ion	Ratio	Lower	Upper
119	100		
134	26.1	20.7	31.1
91	33.3	26.9	40.3

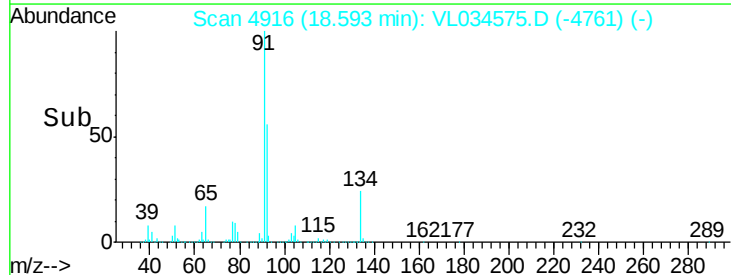
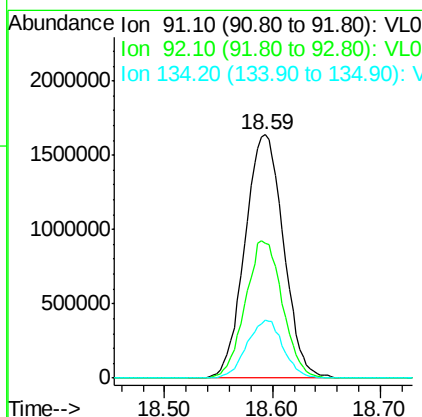
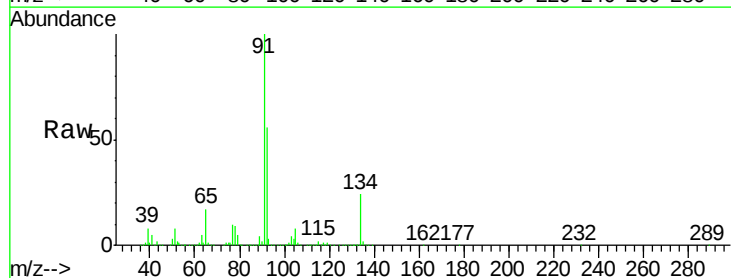
Manual Integrations
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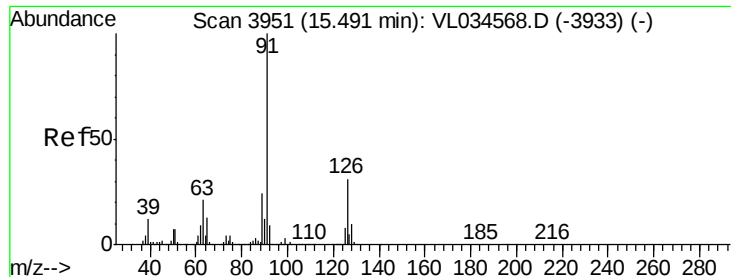
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#70
 n-Butylbenzene
 Concen: 9.342 ppbv
 RT: 18.59 min Scan# 4916
 Delta R.T. -0.00 min
 Lab File: VL034575.D
 Acq: 30 Jan 2020 16:35

Tgt Ion	Ratio	Lower	Upper
91	100		
92	54.5	43.6	65.4
134	22.5	18.2	27.4





#71

2-Chlorotoluene

Concen: 9.451 ppbv

RT: 15.49 min Scan# 3951

Delta R.T. -0.00 min

Lab File: VL034575.D

Acq: 30 Jan 2020 16:35

Instrument :

MSVOA_L

ClientSampleId :

ICVVL013020

Tot Ion: 91 Resp: 2904560

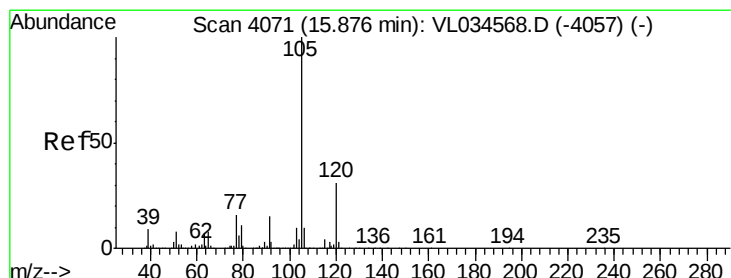
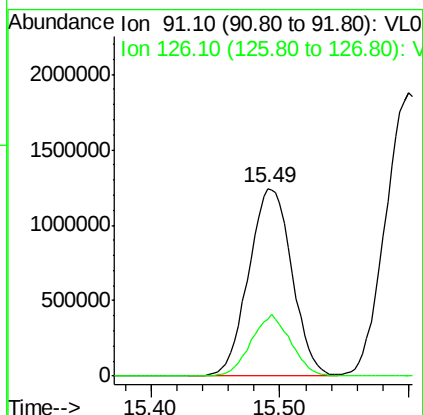
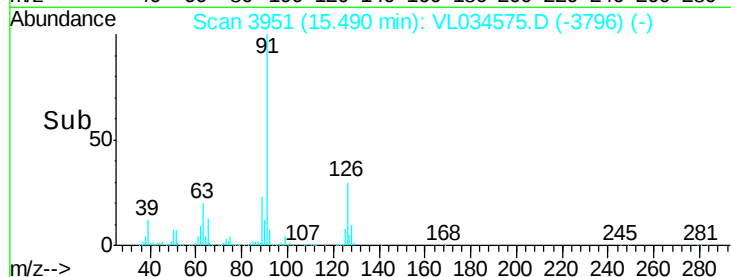
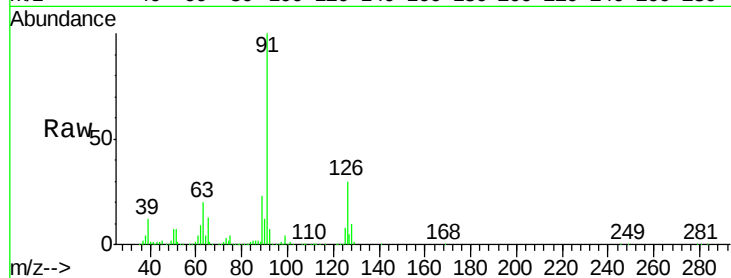
Ion Ratio Lower Upper

91 100

126 30.2 12.0 47.8

Manual Integrations
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#72

4-Ethyltoluene

Concen: 9.283 ppbv

RT: 15.88 min Scan# 4071

Delta R.T. -0.00 min

Lab File: VL034575.D

Acq: 30 Jan 2020 16:35

Tgt Ion:105 Resp: 3186015

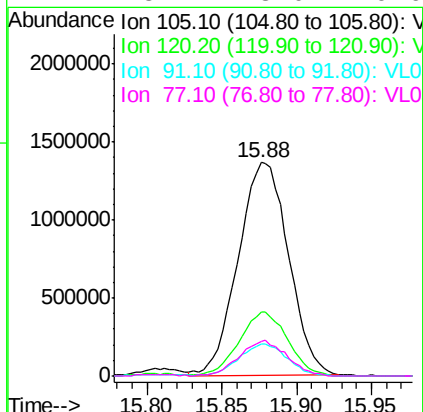
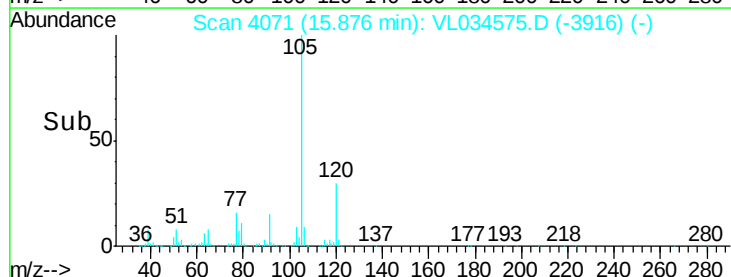
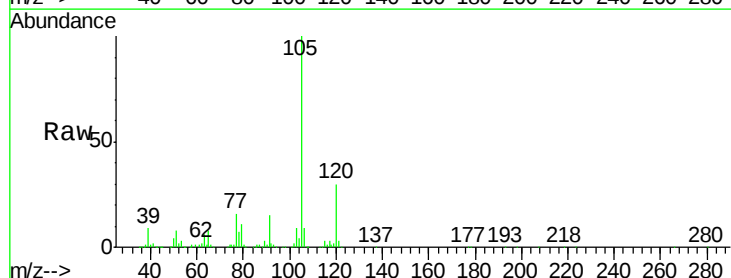
Ion Ratio Lower Upper

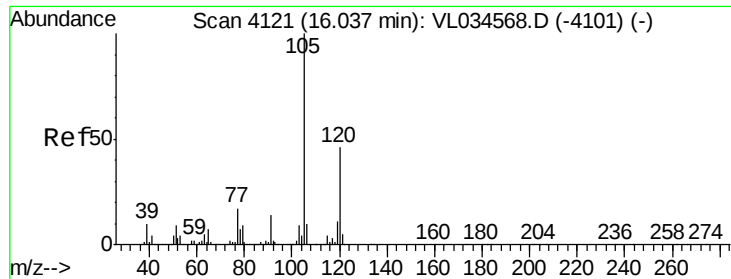
105 100

120 29.2 23.8 35.6

91 14.5 11.8 17.8

77 15.7 13.0 19.6





#73

1,3,5-Trimethylbenzene

Concen: 9.211 ppbv

RT: 16.03 min Scan# 4120

Delta R.T. -0.00 min

Lab File: VL034575.D

Acq: 30 Jan 2020 16:35

Instrument :

MSVOA_L

ClientSampleId :

ICVVL013020

Tot Ion:105 Resp: 3089067

Ion Ratio Lower Upper

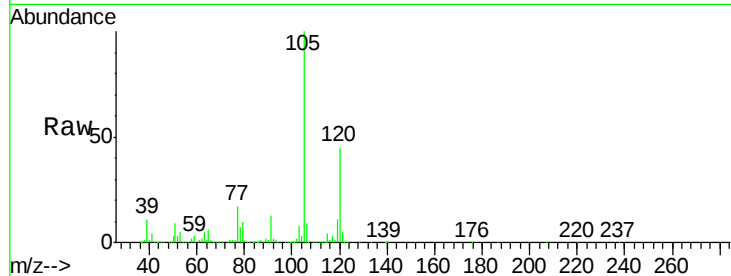
105 100

120 45.3 37.0 55.6

Manual Integrations
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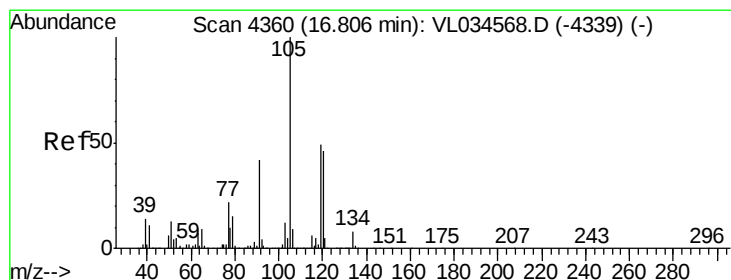
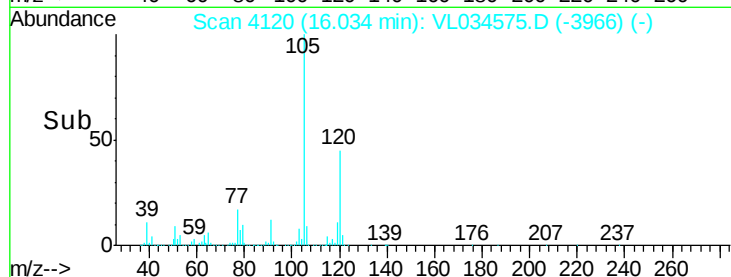
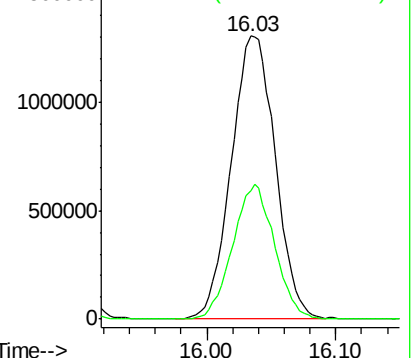
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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V



#74

1,2,4-Trimethylbenzene

Concen: 8.724 ppbv

RT: 16.80 min Scan# 4359

Delta R.T. -0.00 min

Lab File: VL034575.D

Acq: 30 Jan 2020 16:35

Tgt Ion:105 Resp: 3238883

Ion Ratio Lower Upper

105 100

120 45.5 37.1 55.7

91 56.5 34.3 51.5#

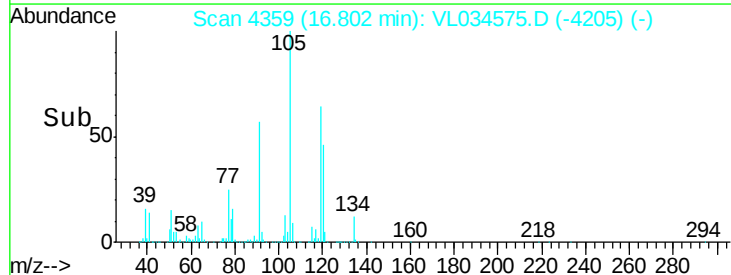
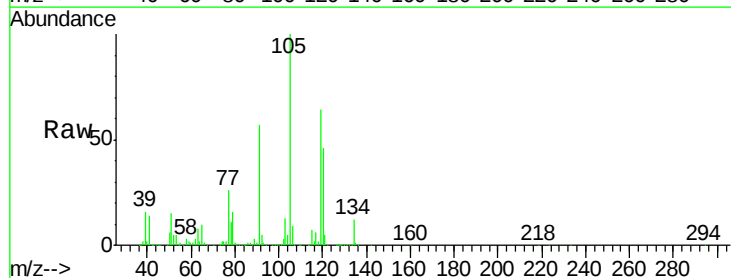
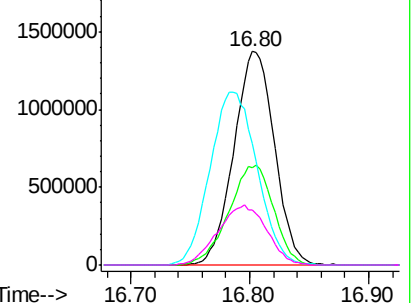
77 25.5 17.5 26.3

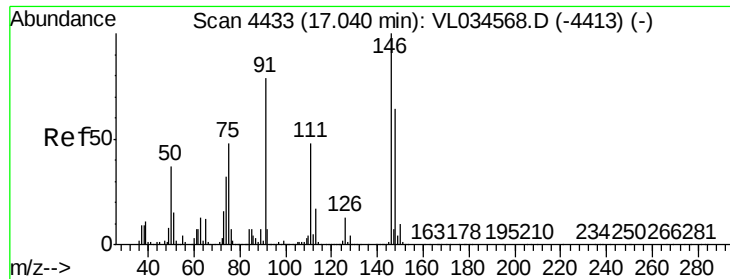
Abundance Ion 105.10 (104.80 to 105.80): V

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





#75

1,3-Dichlorobenzene

Concen: 8.463 ppbv

RT: 17.04 min Scan# 4434

Delta R.T. 0.00 min

Lab File: VL034575.D

Acq: 30 Jan 2020 16:35

Instrument :

MSVOA_L

ClientSampleId :

ICVVL013020

Tot Ion:146 Resp: 1808996

Ion Ratio Lower Upper

146 100

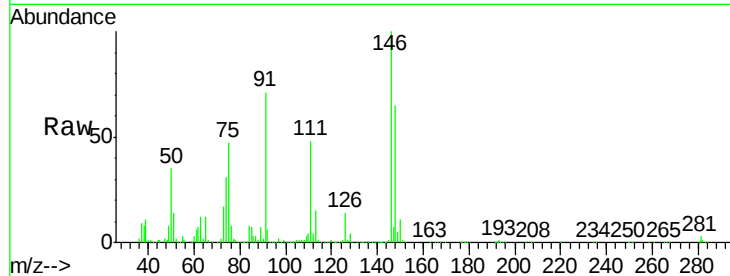
111 49.2 24.7 74.1

148 65.5 32.8 98.4

Manual Integrations
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MMDadoda

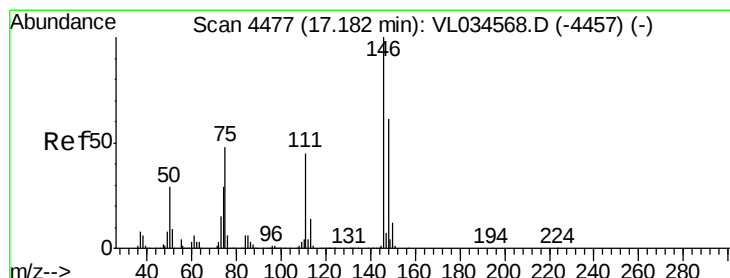
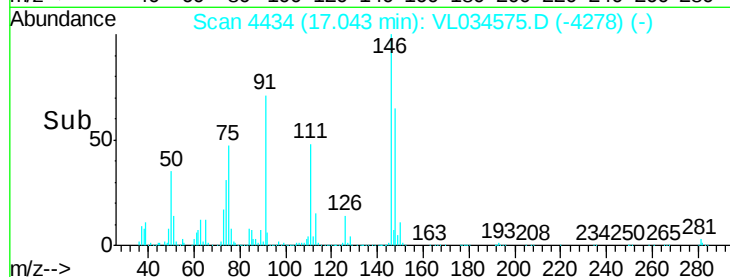
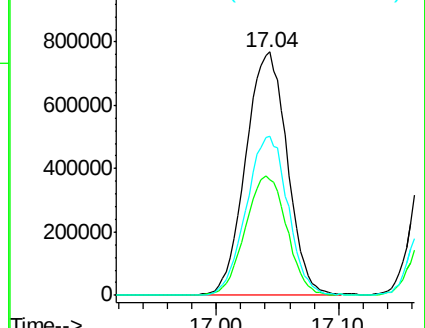
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Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V



#76

1,4-Dichlorobenzene

Concen: 8.514 ppbv

RT: 17.18 min Scan# 4477

Delta R.T. -0.00 min

Lab File: VL034575.D

Acq: 30 Jan 2020 16:35

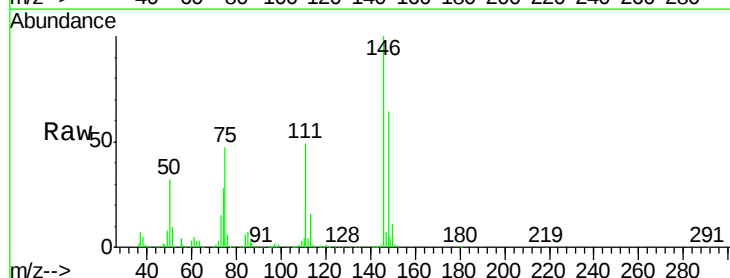
Tgt Ion:146 Resp: 1793660

Ion Ratio Lower Upper

146 100

111 47.8 24.1 72.2

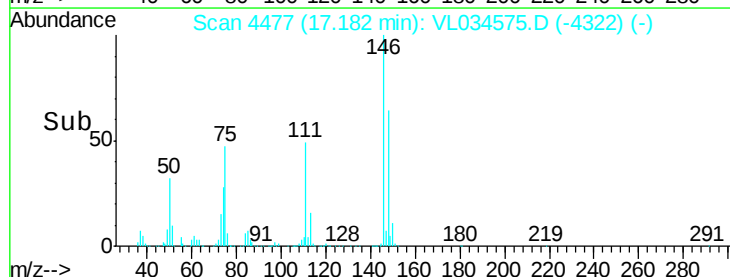
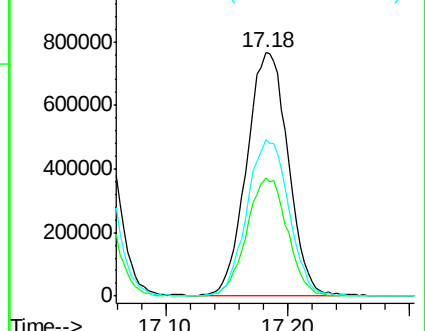
148 65.0 32.6 98.0

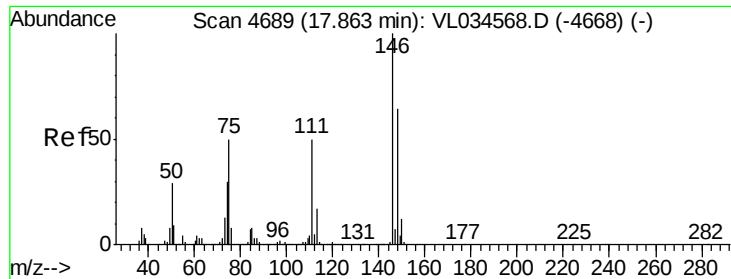


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V





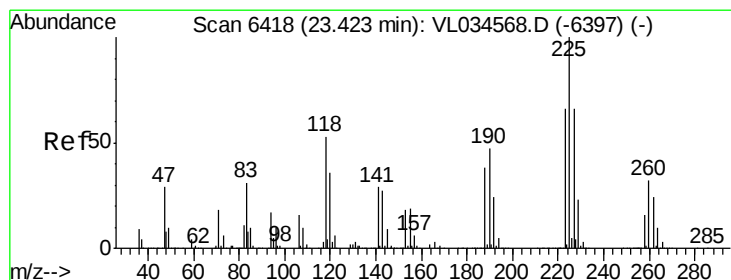
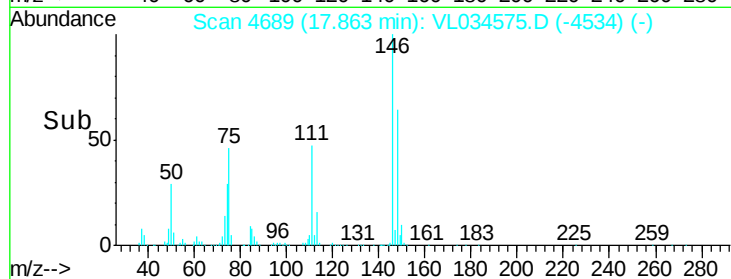
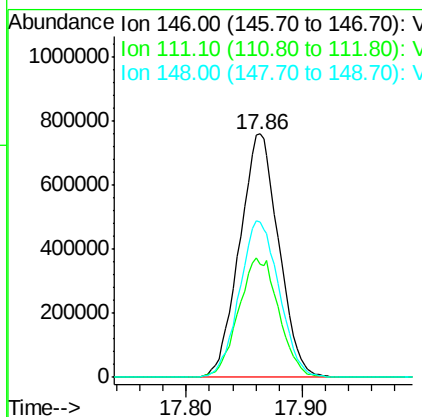
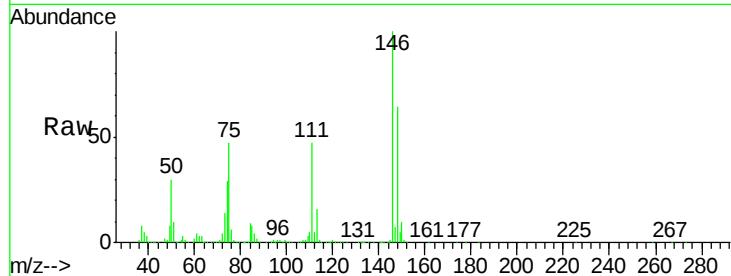
#77
 1,2-Dichlorobenzene
 Concen: 8.686 ppbv
 RT: 17.86 min Scan# 4689
 Delta R.T. -0.00 min
 Lab File: VL034575.D
 Acq: 30 Jan 2020 16:35

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL013020

Tot Ion:146 Resp: 1783718
 Ion Ratio Lower Upper
 146 100
 111 50.3 25.1 75.3
 148 65.3 32.2 96.6

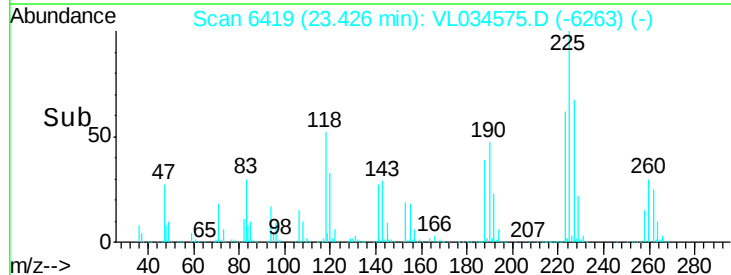
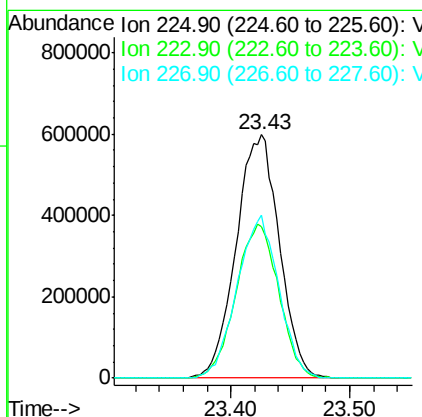
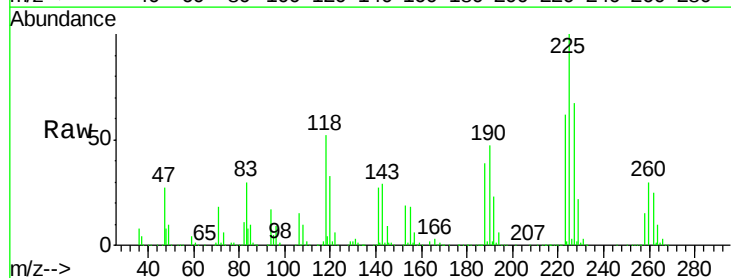
Manual Integrations
 APPROVED

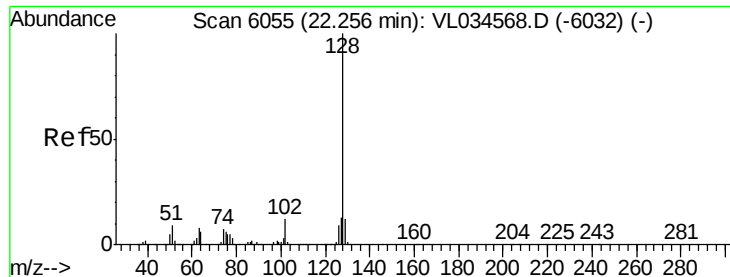
MMDadoda
 1/31/2020 4:25:28 PM



#78
 Hexachloro-1,3-Butadiene
 Concen: 7.646 ppbv
 RT: 23.43 min Scan# 6419
 Delta R.T. 0.00 min
 Lab File: VL034575.D
 Acq: 30 Jan 2020 16:35

Tgt Ion:225 Resp: 1501366
 Ion Ratio Lower Upper
 225 100
 223 62.8 50.9 76.3
 227 64.5 51.6 77.4





#79

Naphthalene

Concen: 8.895 ppbv

RT: 22.26 min Scan# 6056

Delta R.T. 0.00 min

Lab File: VL034575.D

Acq: 30 Jan 2020 16:35

Instrument :

MSVOA_L

ClientSampleId :

ICVVL013020

Tot Ion:128 Resp: 2599891

Ion Ratio Lower Upper

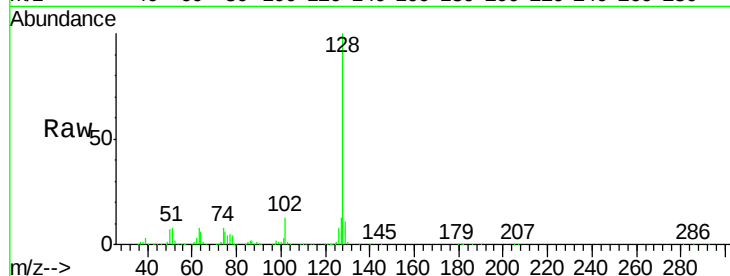
128 100

127 12.7 10.1 15.1

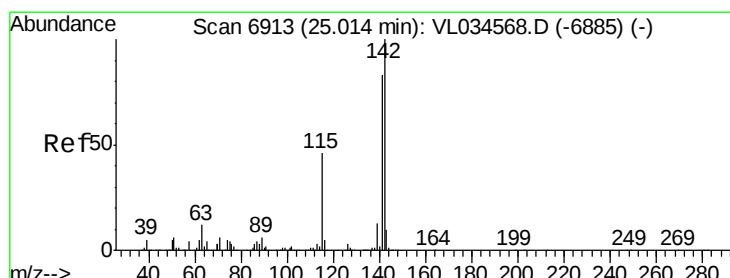
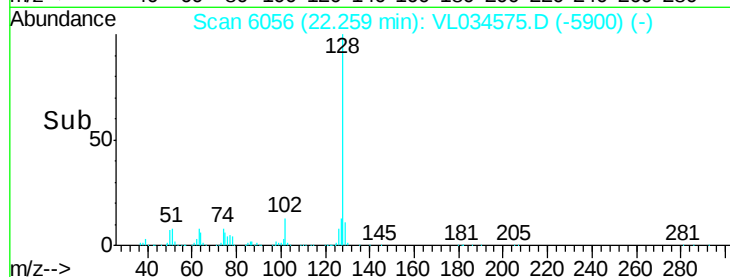
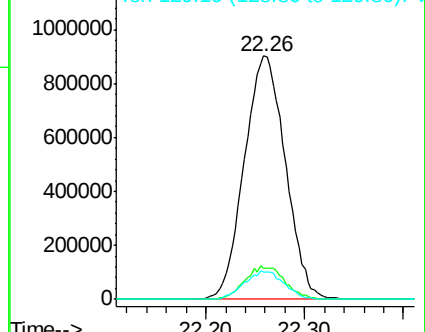
129 11.2 9.3 13.9

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Abundance Ion 128.10 (127.80 to 128.80): V
Ion 127.10 (126.80 to 127.80): V
Ion 129.10 (128.80 to 129.80): V



#80

Naphthalene, 2-methyl-

Concen: 5.705 ppbv

RT: 25.01 min Scan# 6912

Delta R.T. -0.00 min

Lab File: VL034575.D

Acq: 30 Jan 2020 16:35

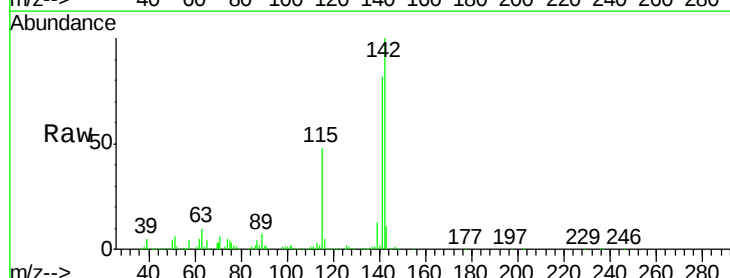
Tgt Ion:142 Resp: 641422

Ion Ratio Lower Upper

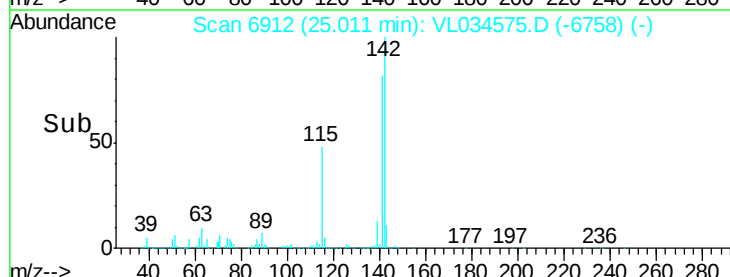
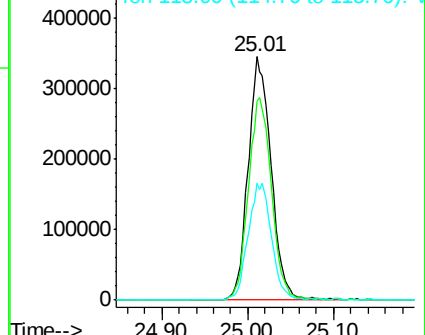
142 100

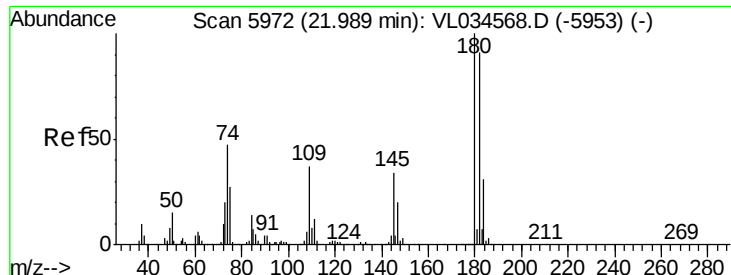
141 83.8 67.0 100.4

115 48.5 39.5 59.3



Abundance Ion 142.00 (141.70 to 142.70): V
Ion 141.00 (140.70 to 141.70): V
Ion 115.00 (114.70 to 115.70): V





#81
 1,2,4-Trichlorobenzene
 Concen: 8.241 ppbv
 RT: 21.99 min Scan# 5972
 Delta R.T. -0.00 min
 Lab File: VL034575.D
 Acq: 30 Jan 2020 16:35

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL013020

Tot Ion:	180	Resp:	1484914
Ion Ratio	Lower	Upper	
180	100		
182	96.6	77.8	116.6
184	31.3	25.4	38.0

Manual Integrations
 APPROVED

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 1/31/2020 4:25:28 PM

