

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL090820\
 Data File : VL035555.D
 Acq On : 8 Sep 2020 13:55
 Operator : SY/AP
 Sample : VL0908ABS01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleID :
 VL0908ABS01

Manual Integrations
 APPROVED

MMDadoda
 9/10/2020 10:45:12 AM

Quant Time: Sep 09 02:49:21 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL082720AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Aug 27 2020
 QLast Update : Thu Aug 27 06:46:28 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1053288	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.18	114	4600884	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.10	117	4732528m	10.00	ppbv	-0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.43	95	3449408	10.26	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.60%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.04	85	1592770	8.726	ppbv	98
3) Chlorodifluoromethane	2.98	51	1123400	9.644	ppbv	99
4) Chloromethane	3.13	50	598468	9.589	ppbv	98
5) Vinyl Chloride	3.25	62	711395	9.246	ppbv	100
6) Bromomethane	3.46	94	634335	9.815	ppbv	96
7) Chloroethane	3.55	64	268905	9.885	ppbv	95
8) Dichlorotetrafluoroethane	3.18	85	2087167	9.442	ppbv	98
9) Propene	3.00	41	432966	9.641	ppbv	99
10) Heptane	8.12	43	1215277	10.075	ppbv	100
11) Trichlorofluoromethane	3.94	101	2559434	9.615	ppbv	100
12) 1,1,2-Trichlorotrifluoroet	4.48	101	1935147	9.632	ppbv	98
13) Ethanol	3.60	45	103561	9.301	ppbv	96
14) Bromoethene	3.73	108	874901	10.117	ppbv	100
15) Acetone	3.84	43	964950	8.307	ppbv	100
16) 1,3-Butadiene	3.32	39	437351	10.114	ppbv	100
17) tert-Butyl alcohol	4.29	59	1436196	10.157	ppbv	100
18) 1,1-Dichloroethene	4.28	96	899349	10.165	ppbv	99
19) Isopropyl Alcohol	3.96	45	701428	10.121	ppbv	99
20) Methylene Chloride	4.34	84	787813	9.105	ppbv	97
21) Allyl Chloride	4.40	41	588624	10.815	ppbv	98
22) trans-1,2-Dichloroethene	4.88	96	941770	9.999	ppbv	96
23) Vinyl Acetate	5.07	43	1520041	10.195	ppbv	100
24) 1,1-Dichloroethane	5.01	63	1502220	9.790	ppbv	99
25) Ethyl Acetate	5.67	43	1976506	9.631	ppbv	100
26) Hexane	5.69	57	1146410	9.859	ppbv	98
27) Carbon Disulfide	4.54	76	1910939	11.452	ppbv	100
28) Methyl tert-Butyl Ether	5.03	73	2072390	10.226	ppbv	100
29) Chloroform	5.75	83	2329205	9.831	ppbv	100
30) Cyclohexane	7.13	84	1308020	10.500	ppbv	100
31) cis-1,2-Dichloroethene	5.55	61	1234170	10.345	ppbv	99
32) 1,1,1-Trichloroethane	6.51	97	2347519	10.214	ppbv	100
34) 2-Butanone	5.24	43	1367419	10.015	ppbv	99
35) Carbon Tetrachloride	7.02	117	2472576	10.693	ppbv	100
36) Benzene	6.89	78	2981931	10.012	ppbv	99
37) 1,2-Dichloroethane	6.31	62	1430690	10.076	ppbv	100
38) Trichloroethene	7.84	130	1579353	9.129	ppbv	98
39) 1,2-Dichloropropane	7.62	63	1007438	10.014	ppbv	99
40) 1,4-Dioxane	7.83	88	525337	10.453	ppbv	92
41) Tetrahydrofuran	6.05	42	774844	10.702	ppbv	99
42) Bromodichloromethane	7.79	83	2477346	10.789	ppbv	100
43) Methyl Methacrylate	8.02	69	1246341	10.823	ppbv	100

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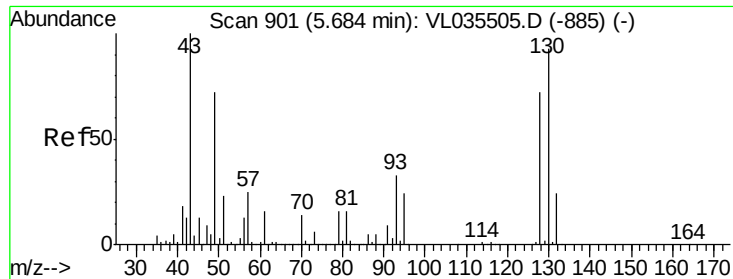
Manual Integrations
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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL082720AIR.M
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.87	57	3850267	9.825	ppbv	100
45) t-1,3-Dichloropropene	9.28	75	1399510	11.996	ppbv	100
46) cis-1,3-Dichloropropene	8.71	75	1674441	11.560	ppbv	99
47) 1,1,2-Trichloroethane	9.48	97	1489109	10.031	ppbv	97
48) Dibromochloromethane	10.31	129	2629632	11.255	ppbv	100
49) Bromoform	13.05	173	2483190	11.727	ppbv	100
50) 4-Methyl-2-Pentanone	8.74	43	2051494	10.376	ppbv	99
51) 2-Hexanone	10.14	43	1768438	10.904	ppbv	100
52) Tetrachloroethene	11.23	164	1611041	9.260	ppbv	100
53) Toluene	9.81	91	3839171	10.251	ppbv	100
54) 1,2-Dibromoethane	10.62	107	2381516	10.153	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.14	131	2053207	10.662	ppbv	96
57) Chlorobenzene	12.16	112	3317662	9.525	ppbv	99
58) Ethyl Benzene	12.72	91	5037414	10.322	ppbv	99
59) m/p-Xylene	13.01	91	8035222m	19.704	ppbv	
60) o-Xylene	13.71	91	4160094	10.129	ppbv	100
61) Styrene	13.54	104	3409261	10.854	ppbv	100
62) Isopropylbenzene	14.68	105	6403966	9.707	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.69	83	2986897	9.380	ppbv	100
64) n-propylbenzene	15.57	120	2051356	10.189	ppbv	97
65) tert-Butylbenzene	16.76	119	6118968	9.977	ppbv	99
66) Benzyl Chloride	17.00	91	2067486	13.565	ppbv	99
67) sec-Butylbenzene	17.31	105	8005137	9.797	ppbv	99
69) p-Isopropyltoluene	17.67	119	7048282	9.834	ppbv	99
70) n-Butylbenzene	18.57	91	6834242	9.899	ppbv	99
71) 2-Chlorotoluene	15.47	91	4907704	10.215	ppbv	99
72) 4-Ethyltoluene	15.85	105	5334124	10.216	ppbv	100
73) 1,3,5-Trimethylbenzene	16.01	105	4973421	10.298	ppbv	97
74) 1,2,4-Trimethylbenzene	16.78	105	5174254	9.756	ppbv	97
75) 1,3-Dichlorobenzene	17.01	146	3733854	9.505	ppbv	100
76) 1,4-Dichlorobenzene	17.16	146	3761476	9.709	ppbv	99
77) 1,2-Dichlorobenzene	17.83	146	3684220	9.680	ppbv	99
78) Hexachloro-1,3-Butadiene	23.39	225	2389559	9.834	ppbv	100
79) Naphthalene	22.22	128	6304553	10.713	ppbv	99
80) Naphthalene, 2-methyl-	24.99	142	2400382	11.951	ppbv	99
81) 1,2,4-Trichlorobenzene	21.95	180	3598035	10.210	ppbv	100

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 min Scan# 894

Delta R.T. -0.02 min

Lab File: VL035555.D

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Instrument :

MSVOA_L

ClientSampleId :

VL0908ABS01

Tot Ion: 49 Resp: 1053288

Ion Ratio Lower Upper

49 100

128 97.9 50.0 150.1

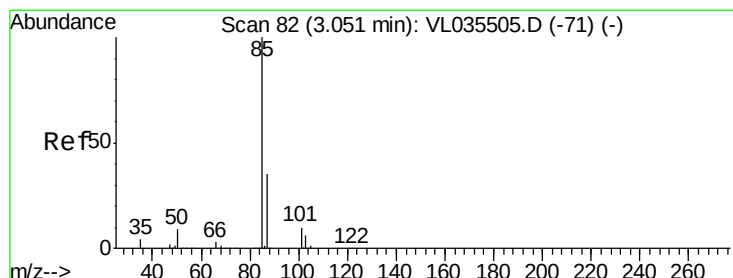
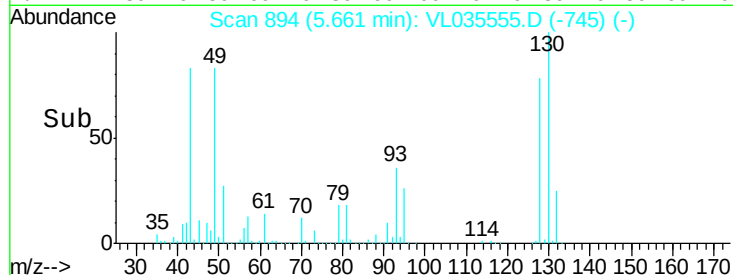
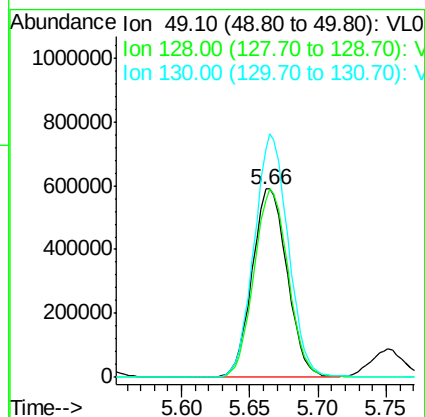
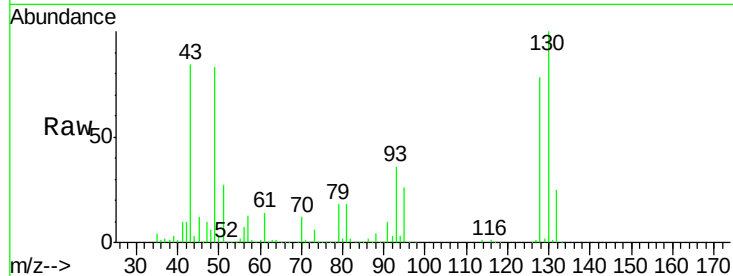
130 125.7 64.4 193.2

Manual Integrations

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#2

Dichlorodifluoromethane

Concen: 8.726 ppbv

RT: 3.04 min Scan# 78

Delta R.T. -0.01 min

Lab File: VL035555.D

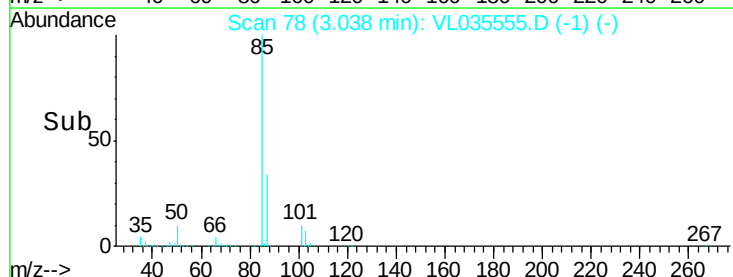
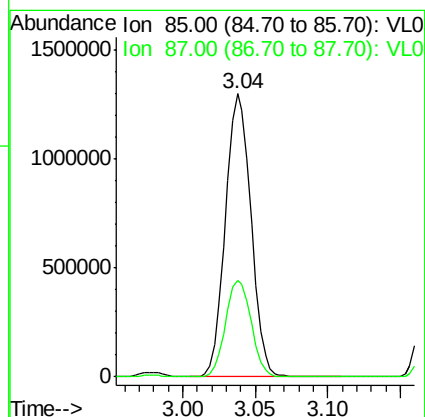
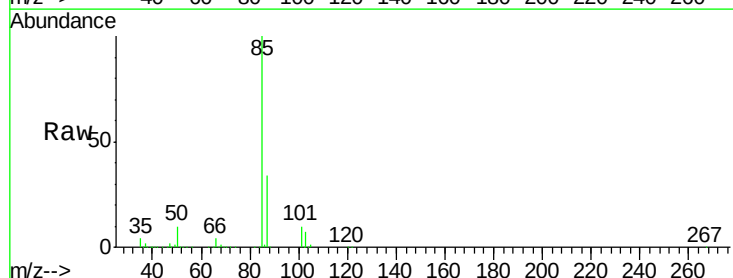
Acq: 8 Sep 2020 13:55

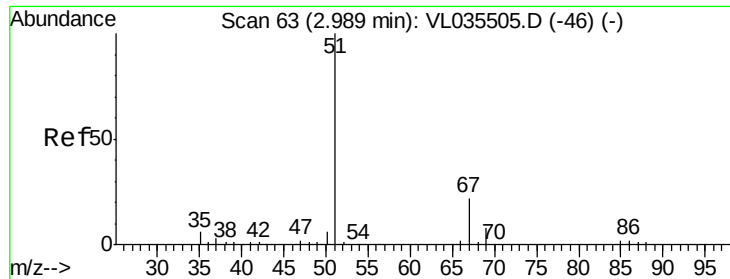
Tgt Ion: 85 Resp: 1592770

Ion Ratio Lower Upper

85 100

87 33.9 28.0 42.0





#3

Chlorodifluoromethane

Concen: 9.644 ppbv

RT: 2.98 min Scan# 59

Delta R.T. -0.01 min

Lab File: VL035555.D

Acq: 8 Sep 2020 13:55

Tot Ion: 51 Resp: 1123400

Ion Ratio Lower Upper

51 100

67 23.0 17.8 26.8

Instrument :

MSVOA_L

ClientSampleId :

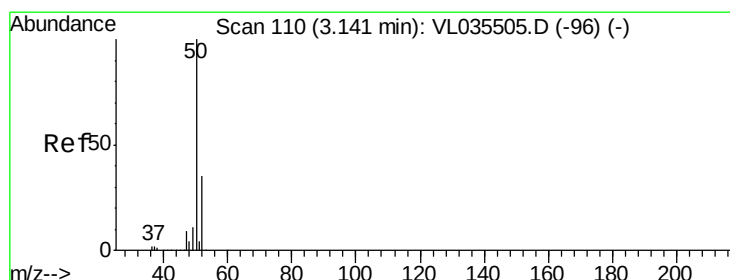
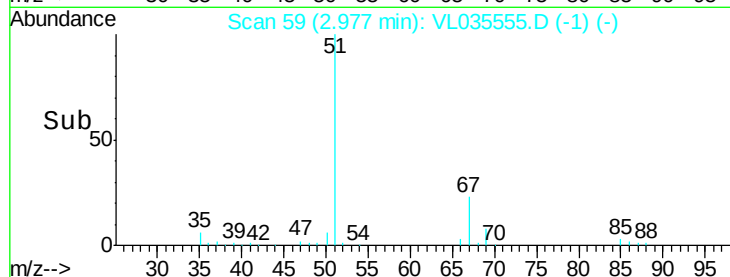
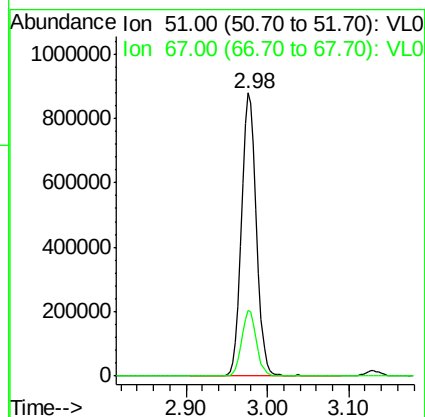
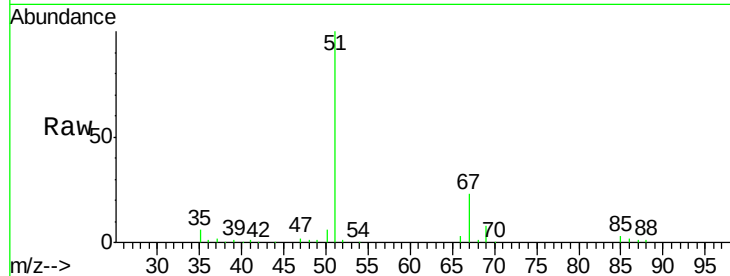
VL0908ABS01

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#4

Chloromethane

Concen: 9.589 ppbv

RT: 3.13 min Scan# 107

Delta R.T. -0.01 min

Lab File: VL035555.D

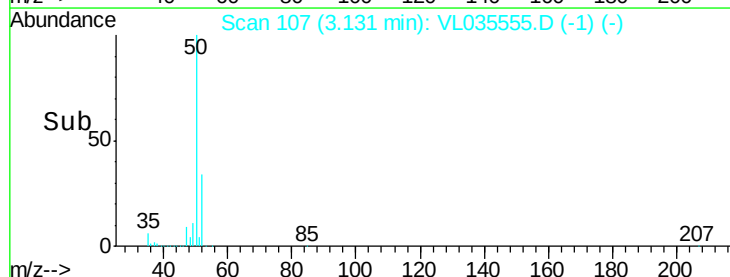
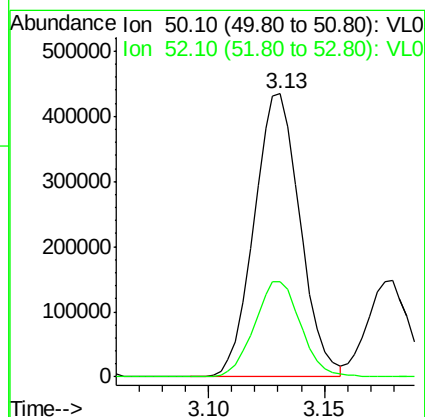
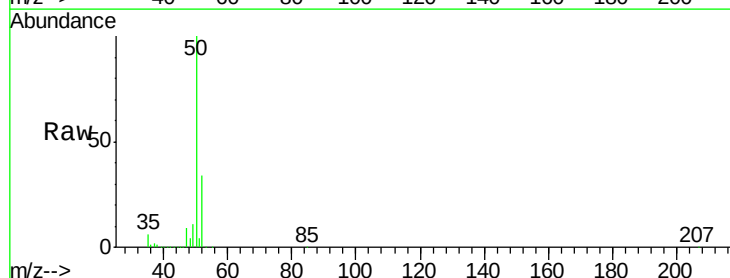
Acq: 8 Sep 2020 13:55

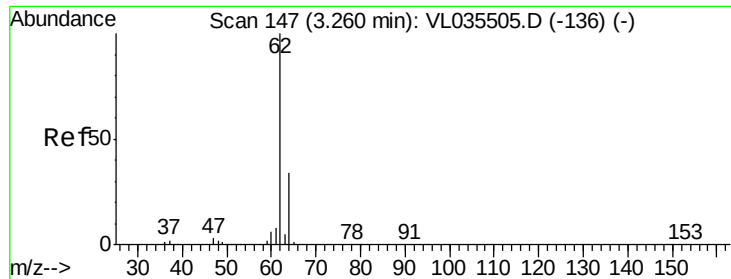
Tgt Ion: 50 Resp: 598468

Ion Ratio Lower Upper

50 100

52 33.5 27.7 41.5





#5

Vinyl Chloride

Concen: 9.246 ppbv

RT: 3.25 min Scan# 143

Delta R.T. -0.01 min

Lab File: VL035555.D

Acq: 8 Sep 2020 13:55

Instrument :

MSVOA_L

ClientSampleId :

VL0908ABS01

Tot Ion: 62 Resp: 711395

Ion Ratio Lower Upper

62 100

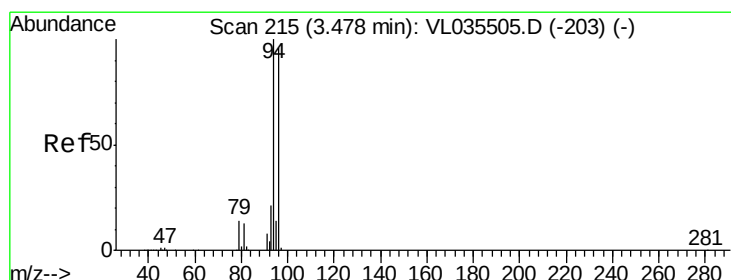
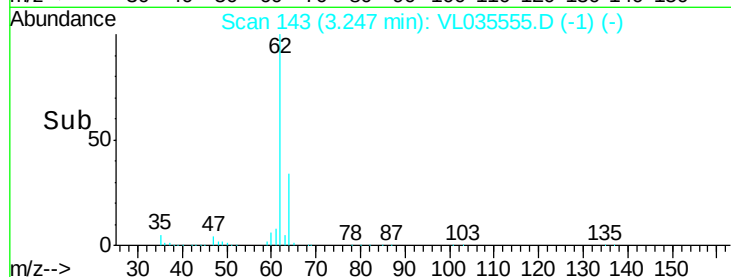
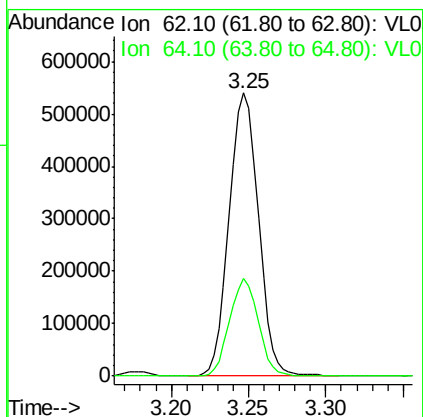
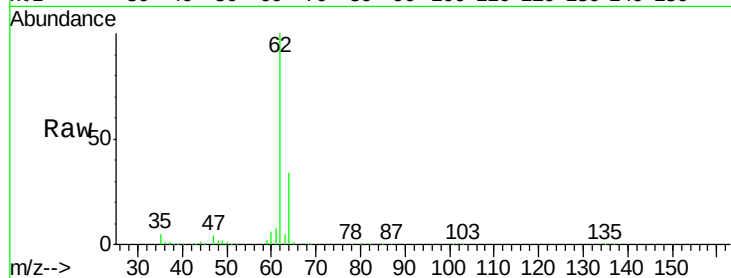
64 34.5 27.4 41.2

Manual Integrations

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#6

Bromomethane

Concen: 9.815 ppbv

RT: 3.46 min Scan# 210

Delta R.T. -0.02 min

Lab File: VL035555.D

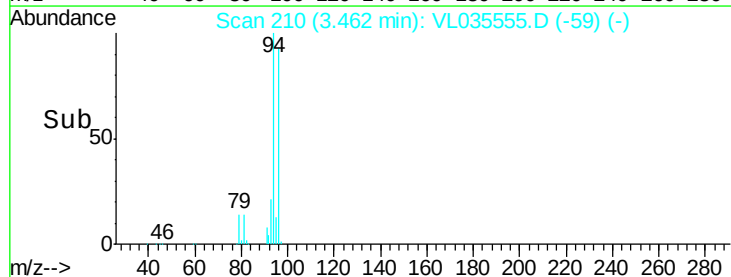
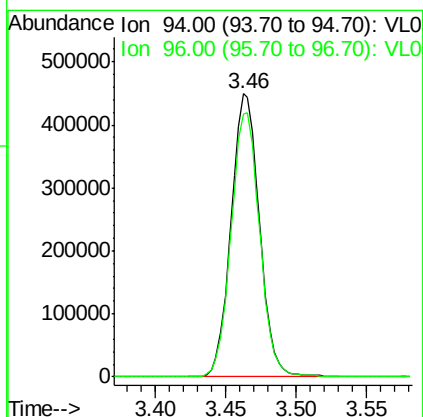
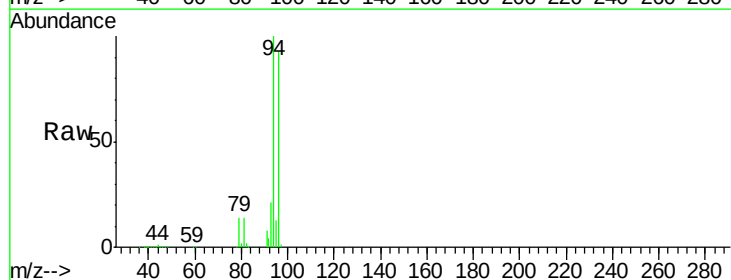
Acq: 8 Sep 2020 13:55

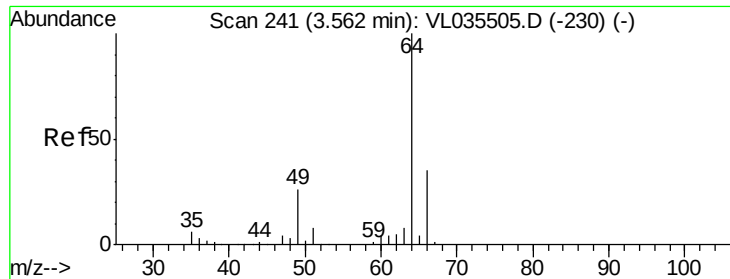
Tgt Ion: 94 Resp: 634335

Ion Ratio Lower Upper

94 100

96 92.9 77.1 115.7





#7

Chloroethane

Concen: 9.885 ppbv

RT: 3.55 min Scan# 236

Delta R.T. -0.02 min

Lab File: VL035555.D

Acq: 8 Sep 2020 13:55

Instrument :

MSVOA_L

ClientSampleId :

VL0908ABS01

Tot Ion: 64 Resp: 268905

Ion Ratio Lower Upper

64 100

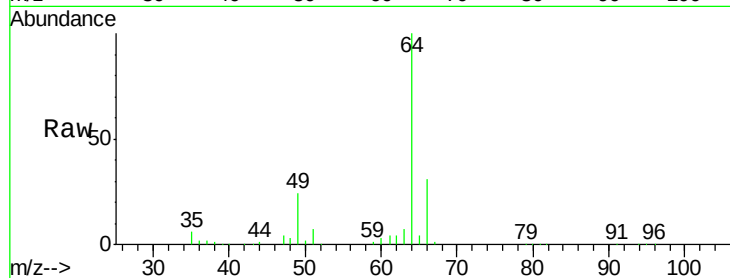
66 31.5 27.7 41.5

Manual Integrations

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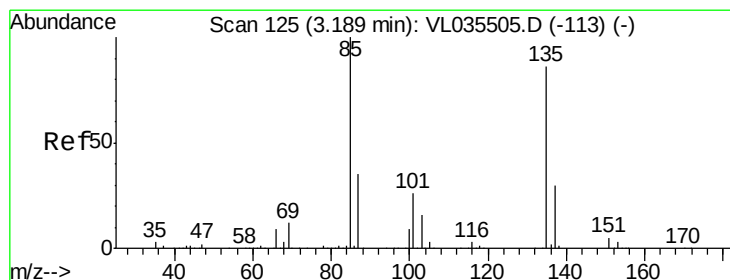
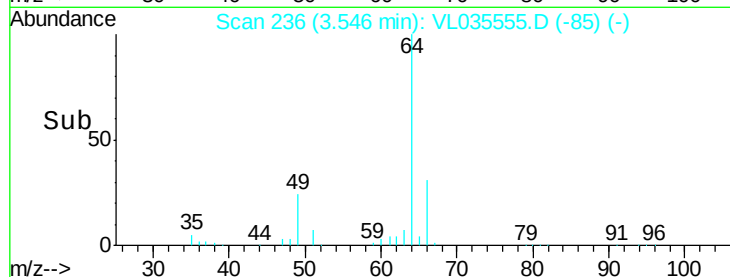
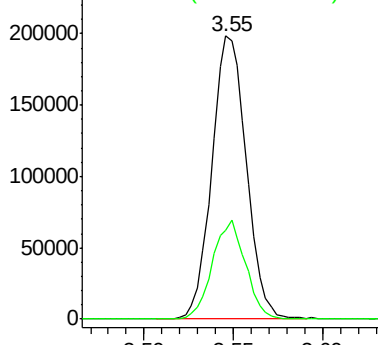
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Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0



#8

Dichlorotetrafluoroethane

Concen: 9.442 ppbv

RT: 3.18 min Scan# 122

Delta R.T. -0.01 min

Lab File: VL035555.D

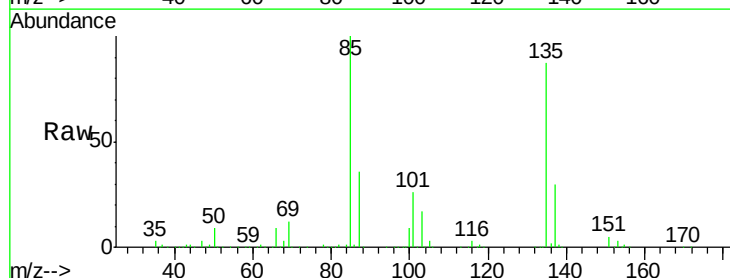
Acq: 8 Sep 2020 13:55

Tgt Ion: 85 Resp: 2087167

Ion Ratio Lower Upper

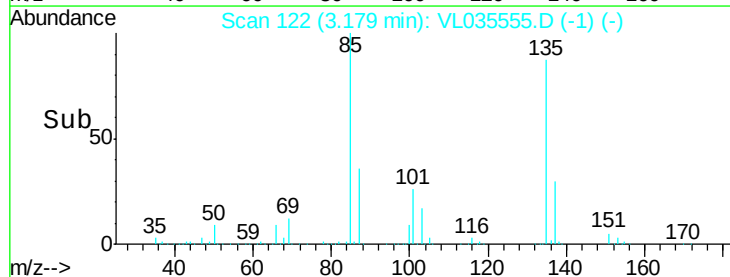
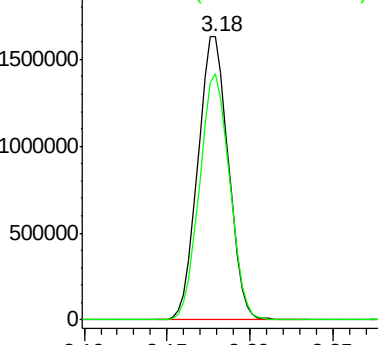
85 100

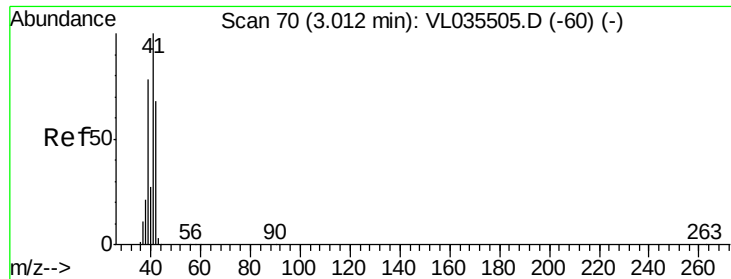
135 86.2 70.4 105.6



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V





#9

Propene

Concen: 9.641 ppbv

RT: 3.00 min Scan# 66

Delta R.T. -0.01 min

Lab File: VL035555.D

Acq: 8 Sep 2020 13:55

Instrument :

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ClientSampleId :

VL0908ABS01

Tot Ion: 41 Resp: 432966

Ion Ratio Lower Upper

41 100

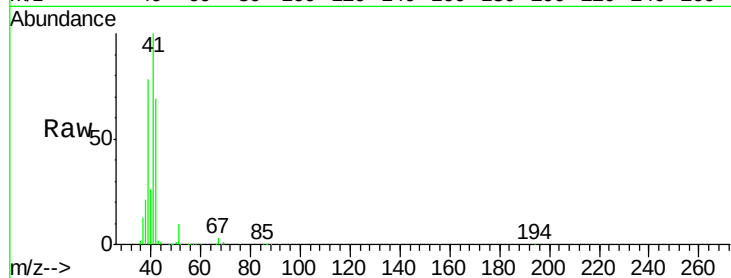
42 69.7 56.3 84.5

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Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

3.00

400000

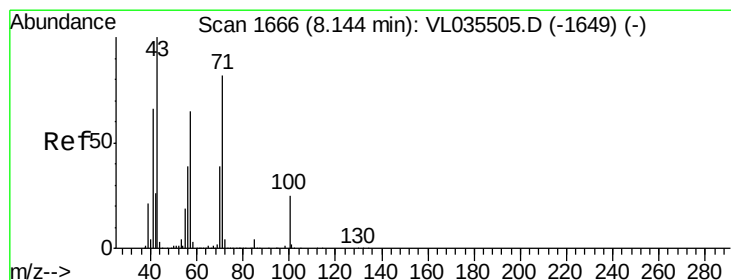
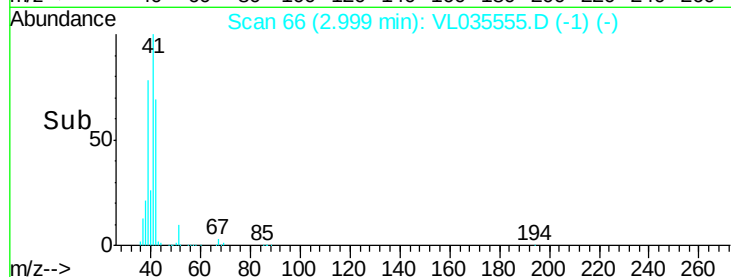
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200000

100000

0

Time-->



#10

Heptane

Concen: 10.075 ppbv

RT: 8.12 min Scan# 1660

Delta R.T. -0.02 min

Lab File: VL035555.D

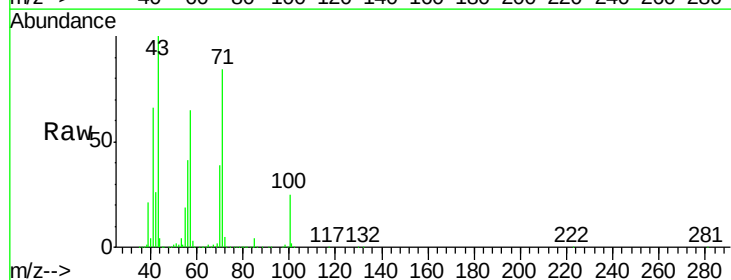
Acq: 8 Sep 2020 13:55

Tgt Ion: 43 Resp: 1215277

Ion Ratio Lower Upper

43 100

57 64.6 51.4 77.0



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

8.12

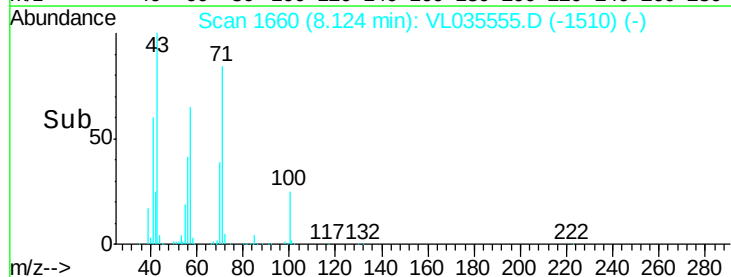
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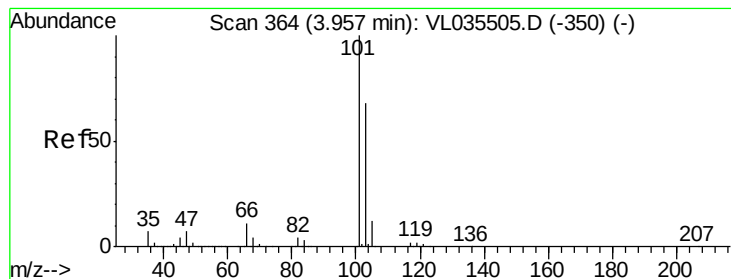
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200000

0

Time-->





#11

Trichlorofluoromethane

Concen: 9.615 ppbv

RT: 3.94 min Scan# 359

Delta R.T. -0.02 min

Lab File: VL035555.D

Acq: 8 Sep 2020 13:55

Instrument :

MSVOA_L

ClientSampleId :

VL0908ABS01

Tot Ion:101 Resp: 2559434

Ion Ratio Lower Upper

101 100

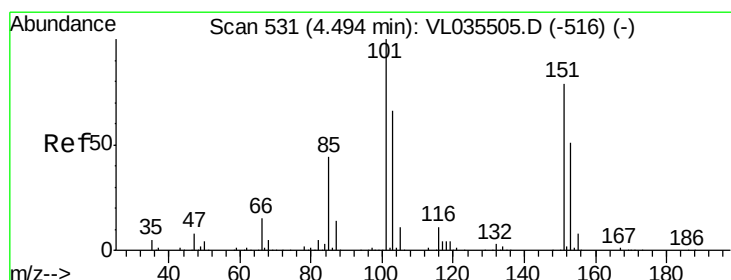
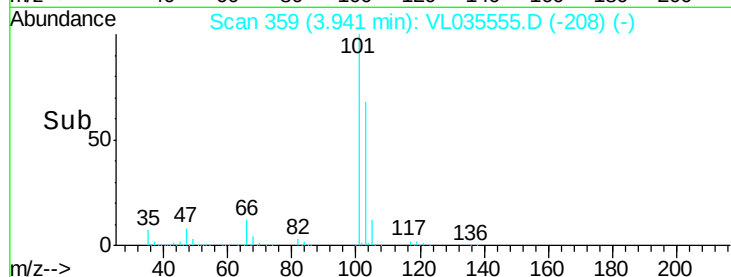
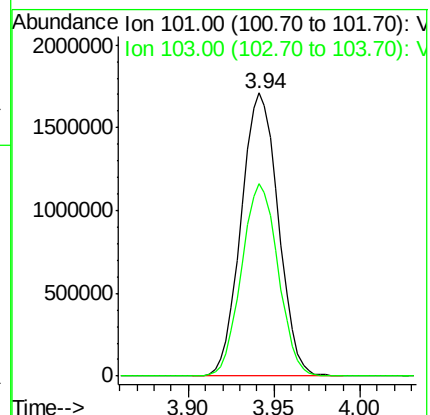
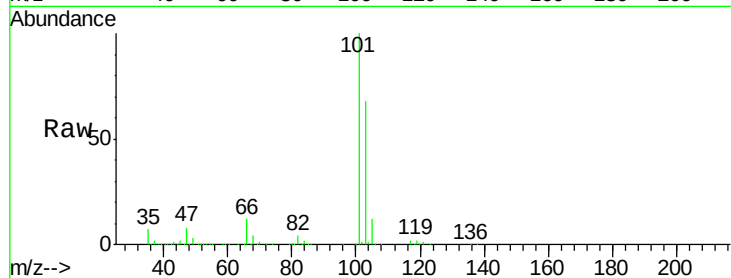
103 68.0 54.5 81.7

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#12

1,1,2-Trichlorotrifluoroethane

Concen: 9.632 ppbv

RT: 4.48 min Scan# 526

Delta R.T. -0.02 min

Lab File: VL035555.D

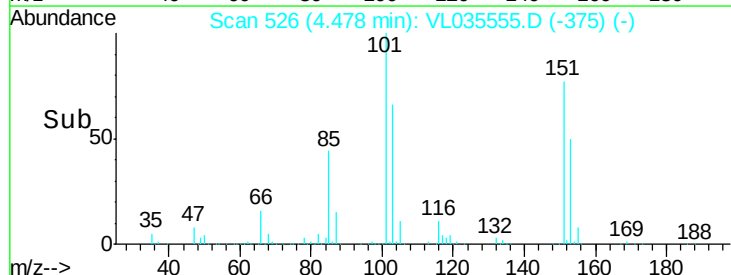
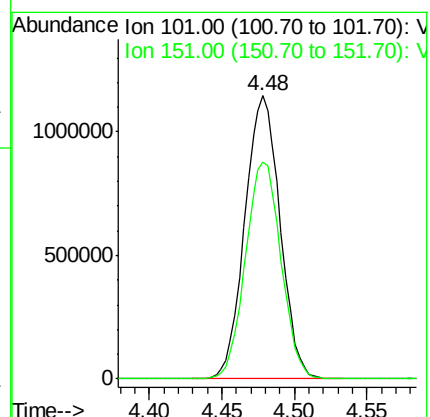
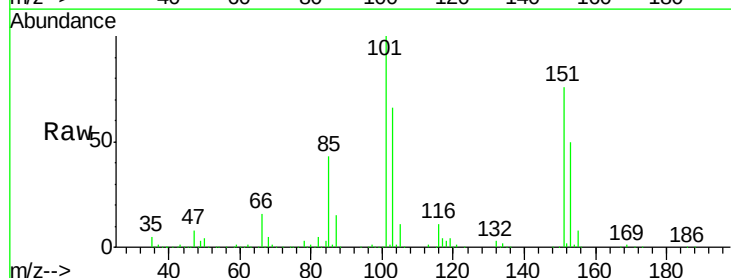
Acq: 8 Sep 2020 13:55

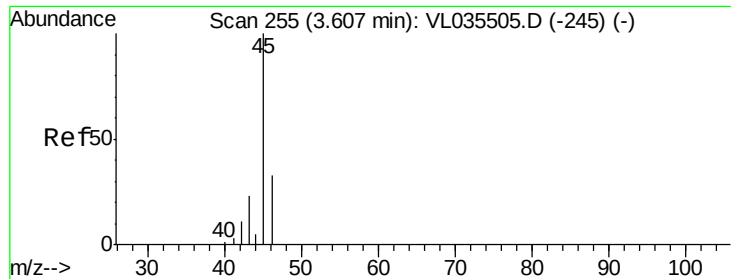
Tgt Ion:101 Resp: 1935147

Ion Ratio Lower Upper

101 100

151 77.9 63.5 95.3





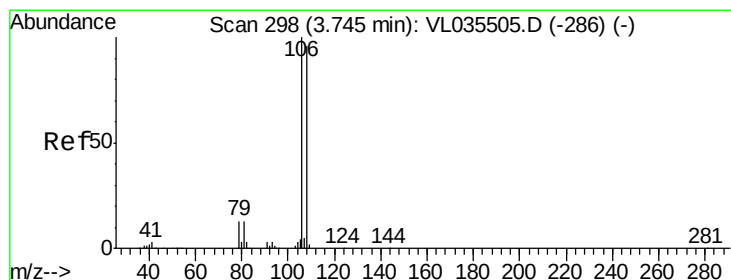
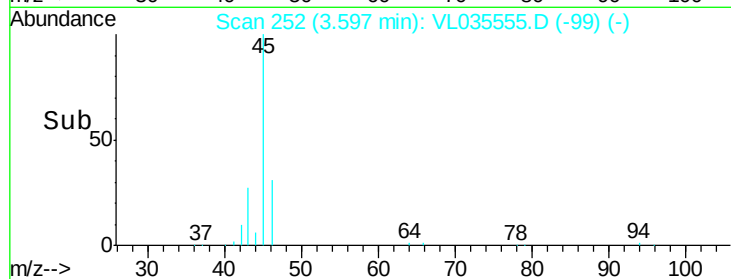
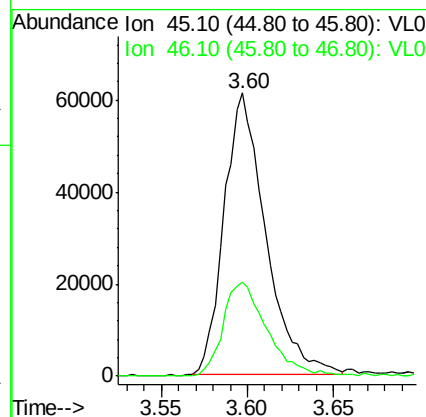
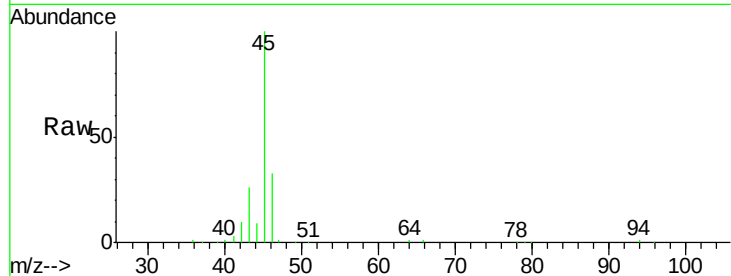
#13
Ethanol
Concen: 9.301 ppbv
RT: 3.60 min Scan# 252
Delta R.T. -0.01 min
Lab File: VL035555.D
Acq: 8 Sep 2020 13:55

Instrument :
MSVOA_L
ClientSampleId :
VL0908ABS01

Tot Ion	45	46	Ratio	Lower	Upper
103561	100	35.7		15.2	60.6

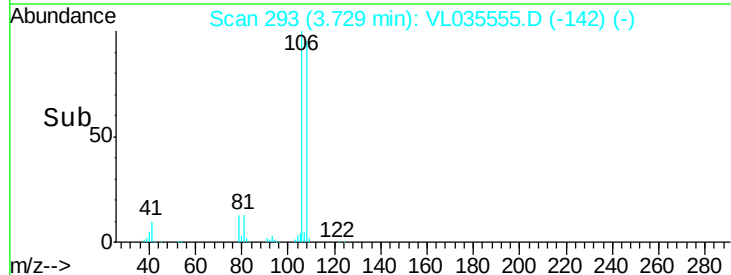
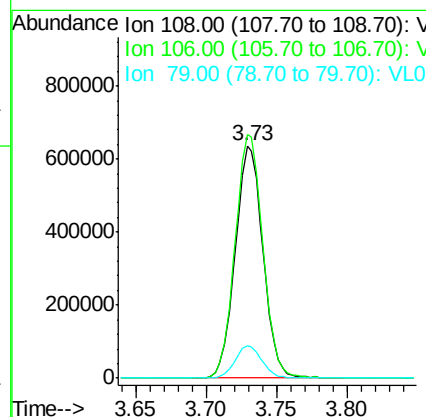
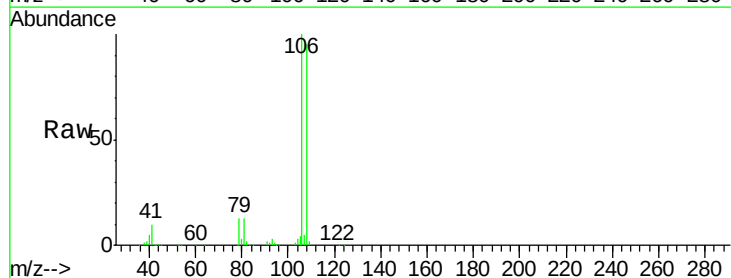
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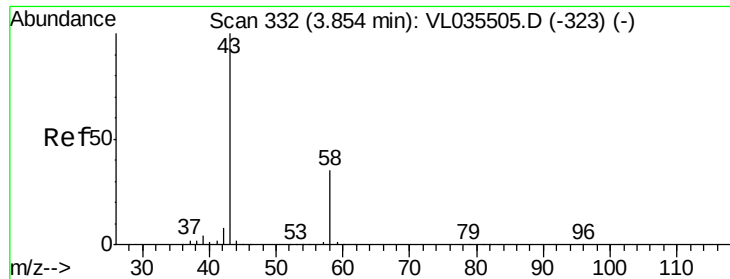
MMDadoda
9/10/2020 10:45:12 AM



#14
Bromoethene
Concen: 10.117 ppbv
RT: 3.73 min Scan# 293
Delta R.T. -0.02 min
Lab File: VL035555.D
Acq: 8 Sep 2020 13:55

Tgt Ion	108	106	79	Ratio	Lower	Upper
874901	100	105.7	13.8		84.9	127.3





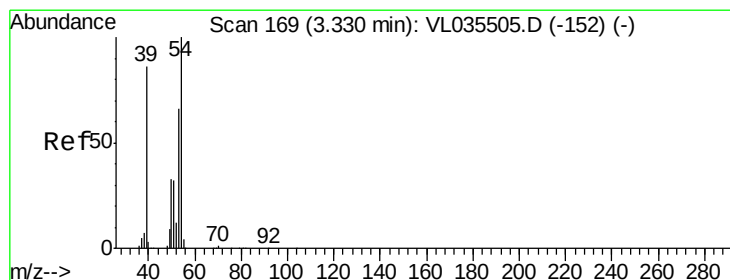
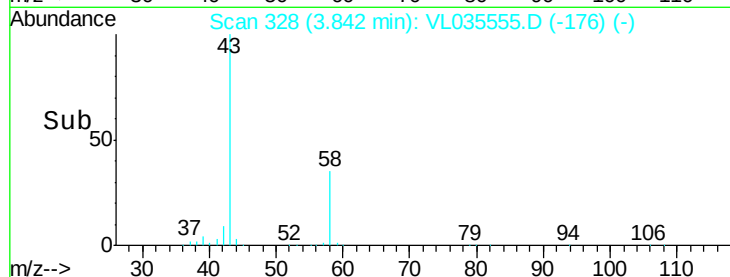
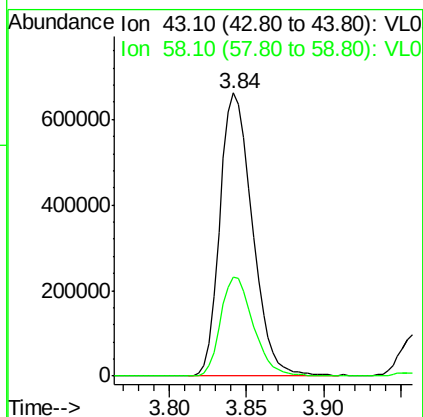
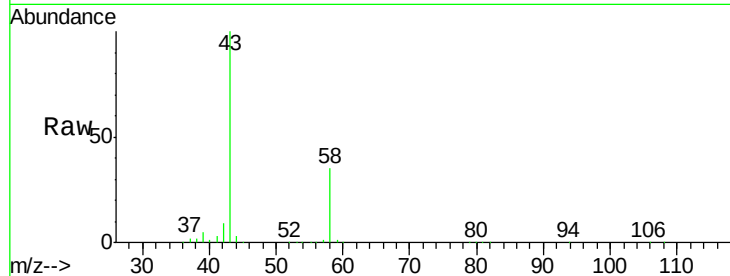
#15
Acetone
Concen: 8.307 ppbv
RT: 3.84 min Scan# 328
Delta R.T. -0.01 min
Lab File: VL035555.D
Acq: 8 Sep 2020 13:55

Instrument :
MSVOA_L
ClientSampleId :
VL0908ABS01

Tot Ion	43	Resp	964950
Ion Ratio	Lower	Upper	
43	100		
58	35.3	28.4	42.6

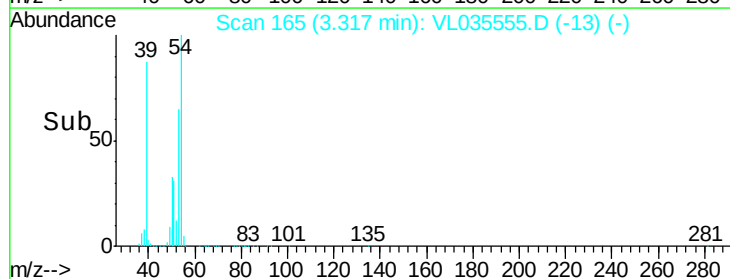
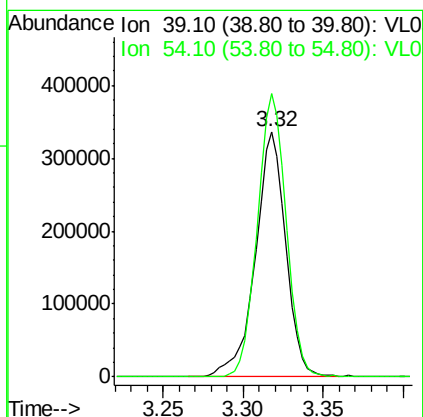
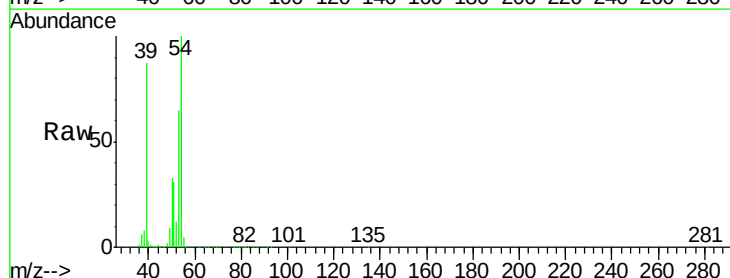
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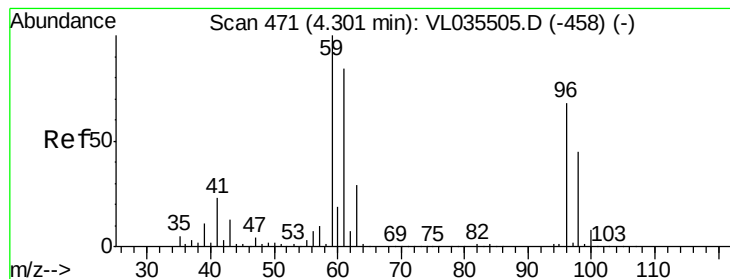
MMDadoda
9/10/2020 10:45:12 AM



#16
1,3-Butadiene
Concen: 10.114 ppbv
RT: 3.32 min Scan# 165
Delta R.T. -0.01 min
Lab File: VL035555.D
Acq: 8 Sep 2020 13:55

Tgt Ion	39	Resp	437351
Ion Ratio	Lower	Upper	
39	100		
54	110.3	88.4	132.6





#17

tert-Butyl alcohol

Concen: 10.157 ppbv

RT: 4.29 min Scan# 466

Delta R.T. -0.02 min

Lab File: VL035555.D

Acq: 8 Sep 2020 13:55

Tot Ion: 59 Resp: 1436196

Ion Ratio Lower Upper

59 100

57 10.6 8.4 12.6

Instrument :

MSVOA_L

ClientSampleId :

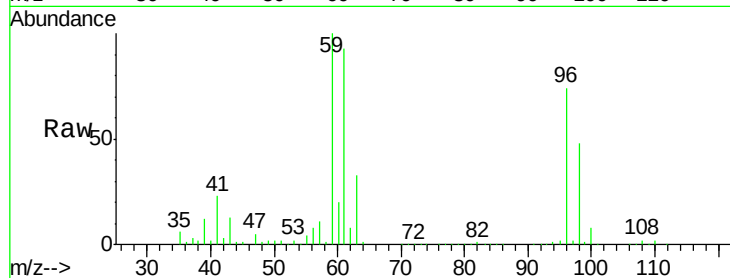
VL0908ABS01

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Abundance Ion 59.10 (58.80 to 59.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

4.29

800000

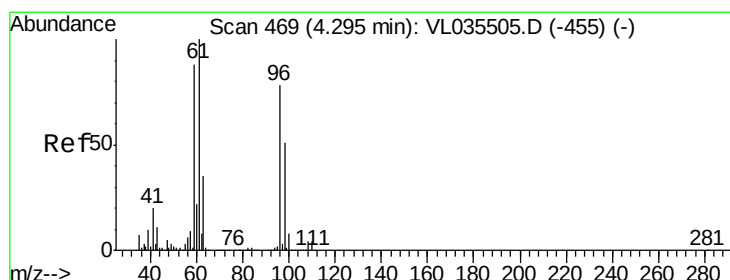
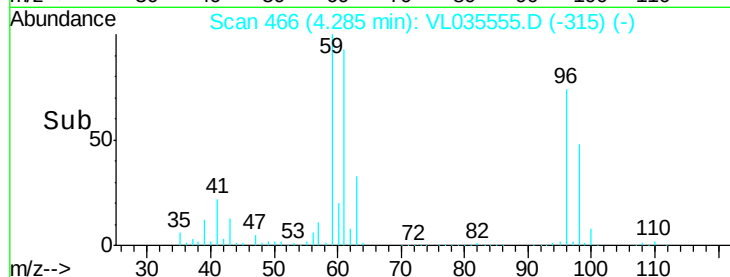
600000

400000

200000

0

Time-->



#18

1,1-Dichloroethene

Concen: 10.165 ppbv

RT: 4.28 min Scan# 465

Delta R.T. -0.01 min

Lab File: VL035555.D

Acq: 8 Sep 2020 13:55

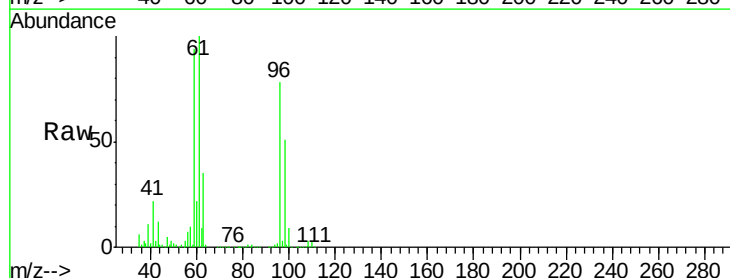
Tgt Ion: 96 Resp: 899349

Ion Ratio Lower Upper

96 100

61 127.6 103.0 154.6

98 65.0 52.8 79.2



Abundance Ion 96.00 (95.70 to 96.70): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

4.28

1000000

800000

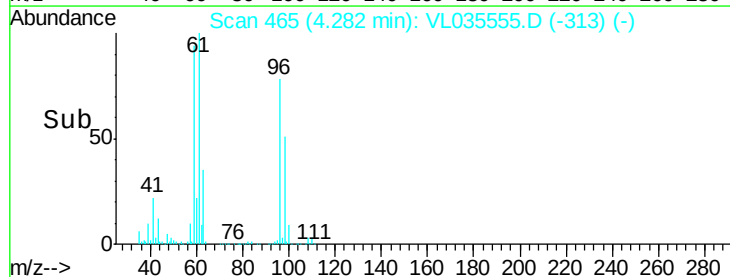
600000

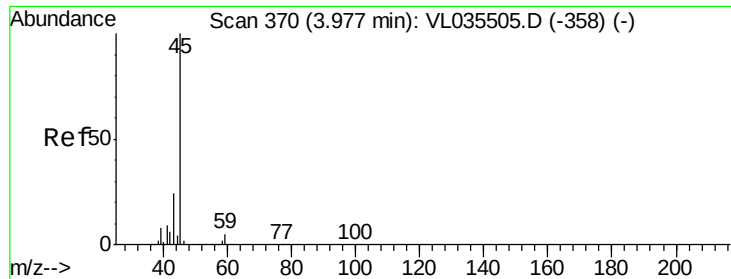
400000

200000

0

Time-->





#19

Isopropyl Alcohol

Concen: 10.121 ppbv

RT: 3.96 min Scan# 365

Delta R.T. -0.02 min

Lab File: VL035555.D

Acq: 8 Sep 2020 13:55

Instrument :

MSVOA_L

ClientSampleId :

VL0908ABS01

Tot Ion: 45 Resp: 701428

Ion Ratio Lower Upper

45 100

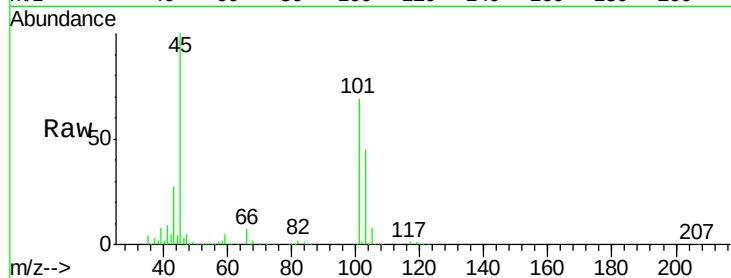
58 2.7 2.0 3.0

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Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

3.96

400000

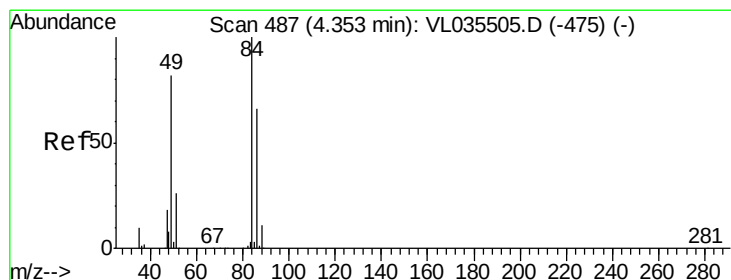
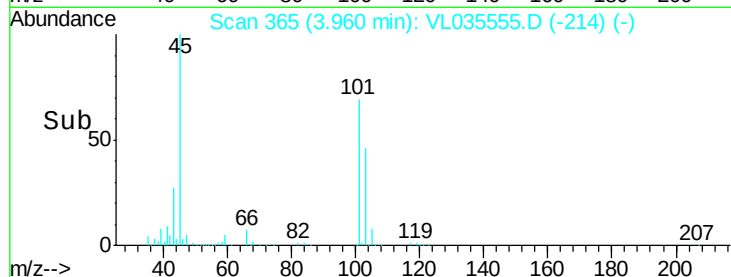
300000

200000

100000

0

Time-->



#20

Methylene Chloride

Concen: 9.105 ppbv

RT: 4.34 min Scan# 482

Delta R.T. -0.02 min

Lab File: VL035555.D

Acq: 8 Sep 2020 13:55

Tgt Ion: 84 Resp: 787813

Ion Ratio Lower Upper

84 100

49 85.6 65.4 98.0

51 26.4 21.5 32.3

86 64.3 52.9 79.3

Abundance Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

Ion 51.10 (50.80 to 51.80): VL0

Ion 86.00 (85.70 to 86.70): VL0

800000

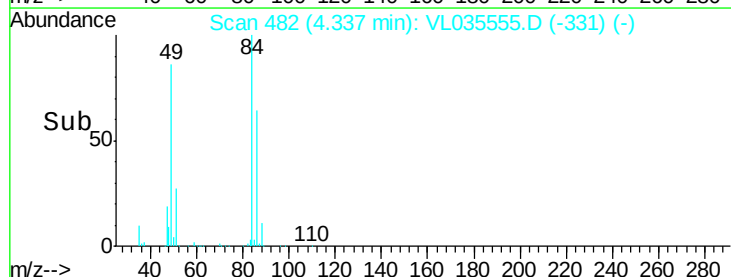
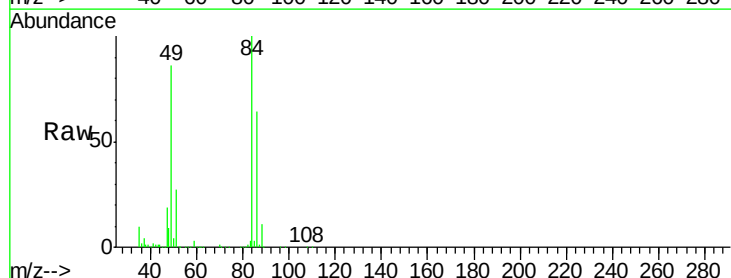
600000

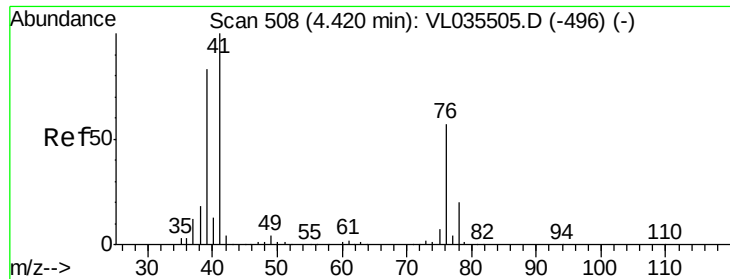
400000

200000

0

Time-->





#21

Allvl Chloride

Concen: 10.815 ppbv

RT: 4.40 min Scan# 503

Delta R.T. -0.02 min

Lab File: VL035555.D

Acq: 8 Sep 2020 13:55

Instrument :

MSVOA_L

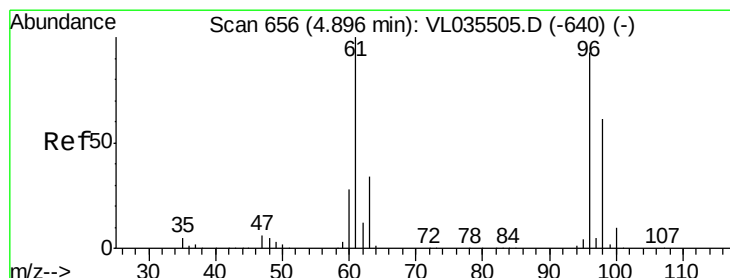
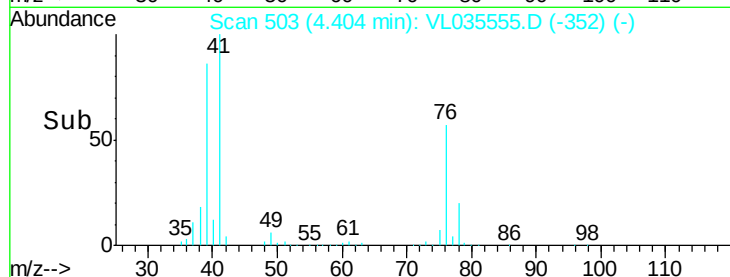
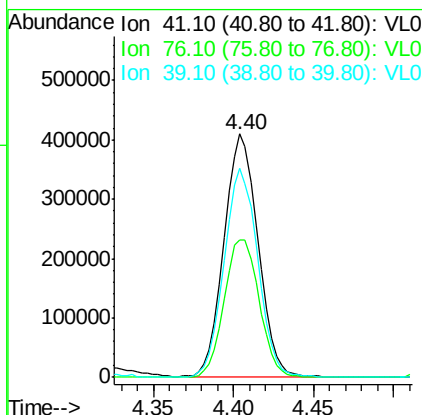
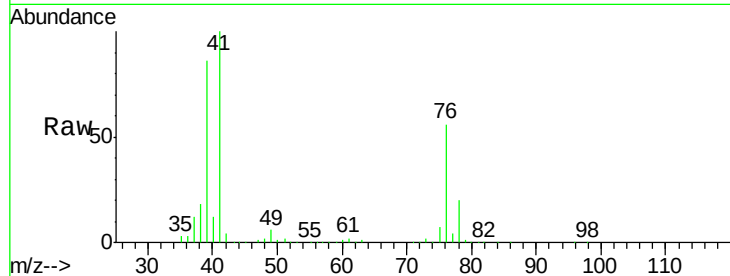
ClientSampleId :

VL0908ABS01

Tot Ion:	41	Resp:	588624
Ion	Ratio	Lower	Upper
41	100		
76	58.8	46.2	69.2
39	86.1	67.8	101.6

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#22

trans-1,2-Dichloroethene

Concen: 9.999 ppbv

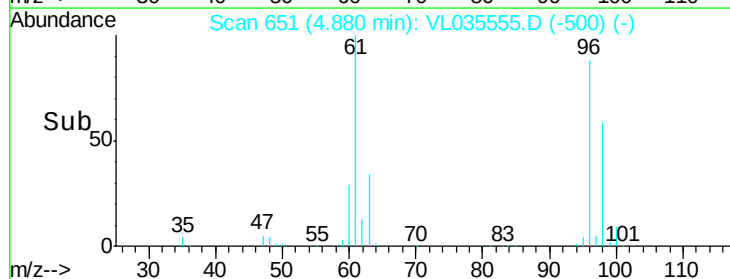
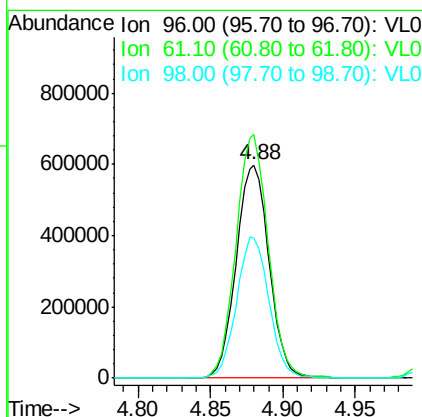
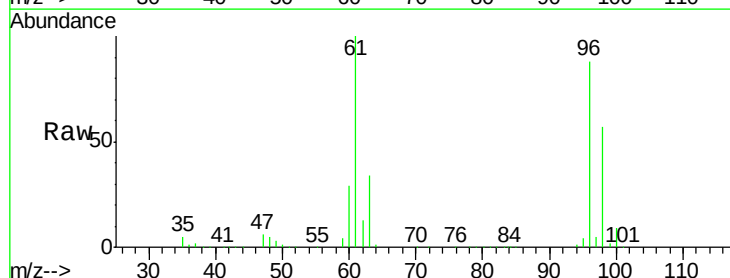
RT: 4.88 min Scan# 651

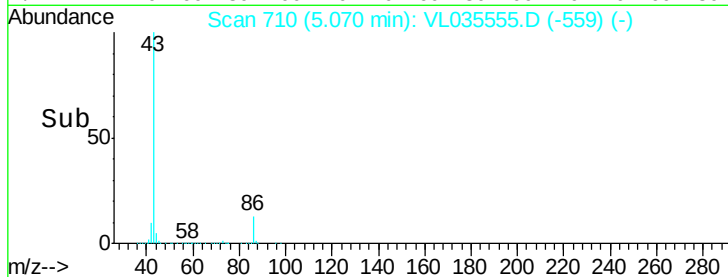
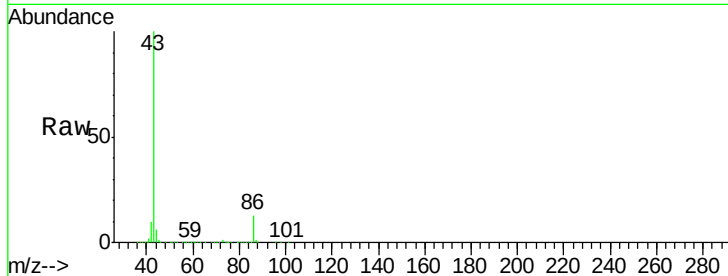
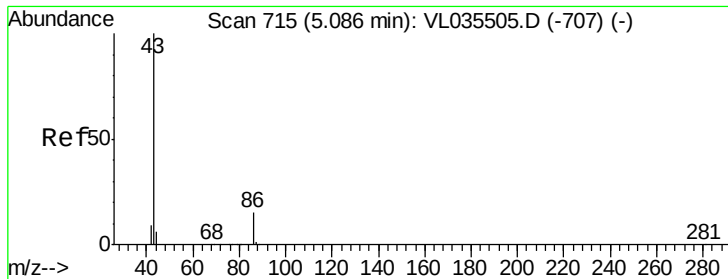
Delta R.T. -0.02 min

Lab File: VL035555.D

Acq: 8 Sep 2020 13:55

Tgt Ion:	96	Resp:	941770
Ion	Ratio	Lower	Upper
96	100		
61	114.0	86.0	129.0
98	65.5	52.3	78.5





#23

Vinyl Acetate

Concen: 10.195 ppbv

RT: 5.07 min Scan# 710

Delta R.T. -0.02 min

Lab File: VL035555.D

Acq: 8 Sep 2020 13:55

Tot Ion:	43	Resp:	1520041
Ion	Ratio	Lower	Upper
43	100		
86	13.3	10.6	16.0
42	9.8	7.5	11.3
44	5.6	4.4	6.6

Instrument :

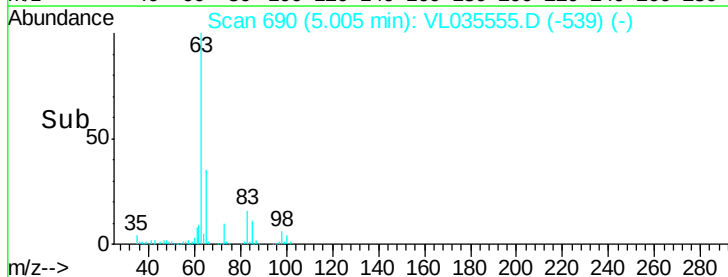
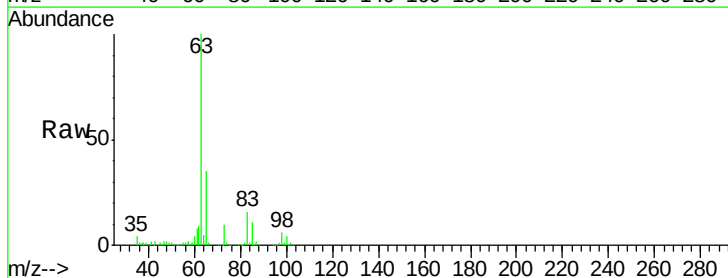
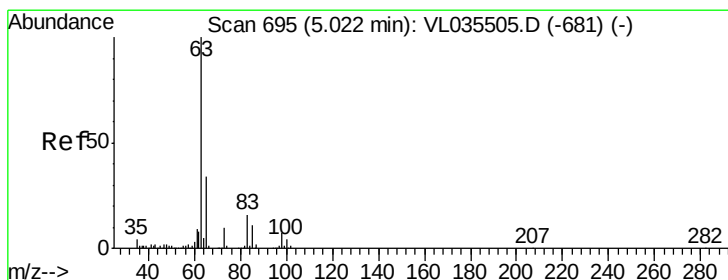
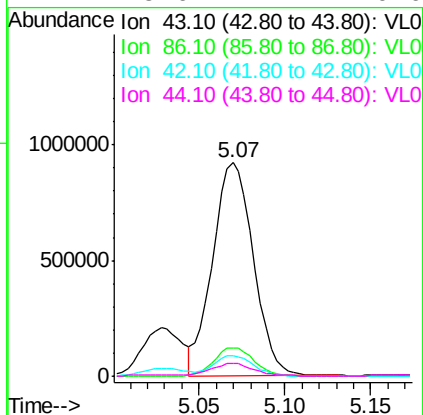
MSVOA_L

ClientSampleId :

VL0908ABS01

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#24

1,1-Dichloroethane

Concen: 9.790 ppbv

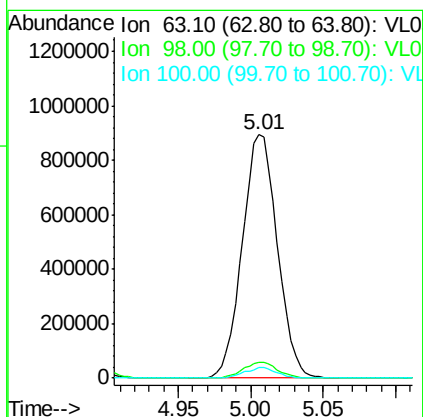
RT: 5.01 min Scan# 690

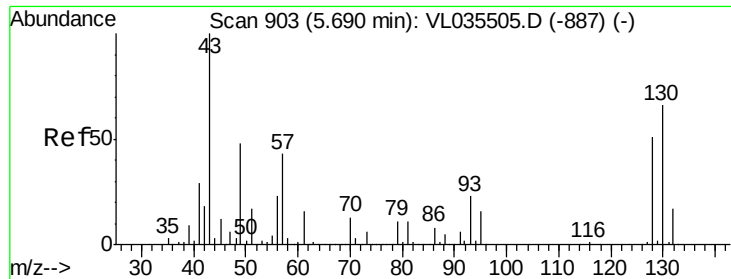
Delta R.T. -0.02 min

Lab File: VL035555.D

Acq: 8 Sep 2020 13:55

Tgt Ion:	63	Resp:	1502220
Ion	Ratio	Lower	Upper
63	100		
98	6.3	3.4	10.1
100	4.1	2.1	6.5





#25

Ethyl Acetate

Concen: 9.631 ppbv

RT: 5.67 min Scan# 898

Delta R.T. -0.02 min

Lab File: VL035555.D

Acq: 8 Sep 2020 13:55

Instrument :

MSVOA_L

ClientSampleId :

VL0908ABS01

Tot Ion: 43 Resp: 1976506

Ion Ratio Lower Upper

43 100

45 10.5 8.4 12.6

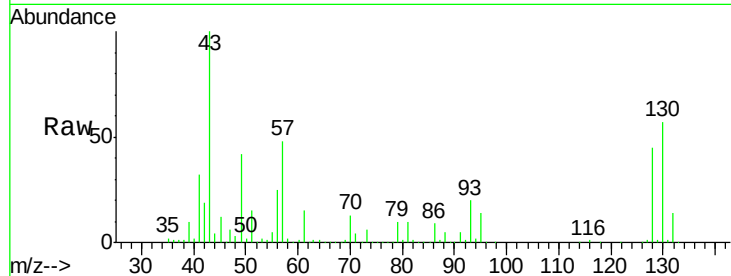
61 13.2 10.6 16.0

70 11.6 9.4 14.2

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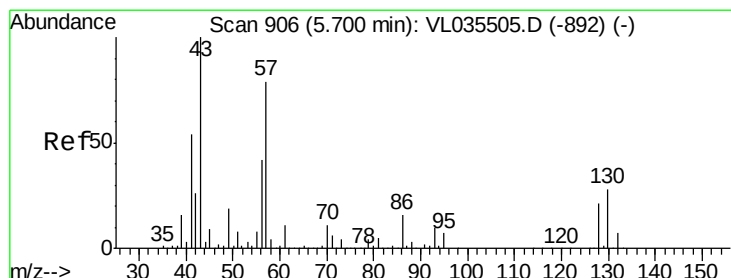
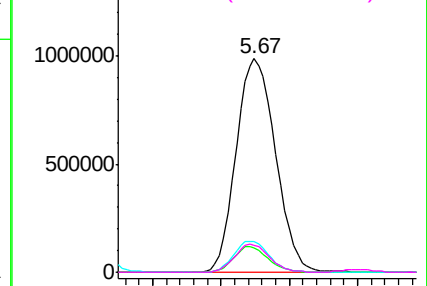
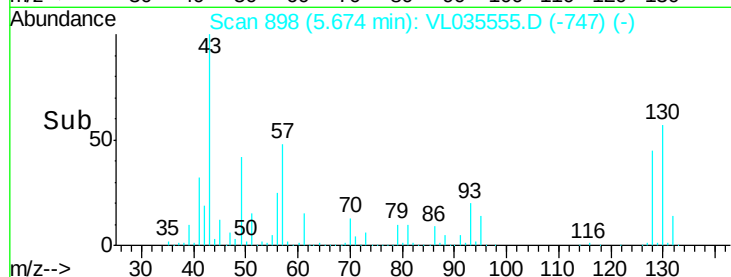
Abundance

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: 9.859 ppbv

RT: 5.69 min Scan# 902

Delta R.T. -0.01 min

Lab File: VL035555.D

Acq: 8 Sep 2020 13:55

Tgt Ion: 57 Resp: 1146410

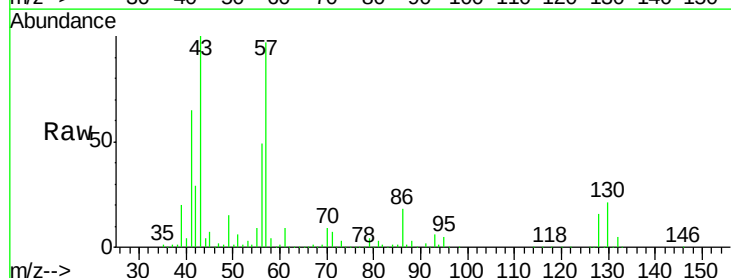
Ion Ratio Lower Upper

57 100

41 70.7 55.9 83.9

43 173.3 141.8 212.8

56 52.8 41.8 62.8



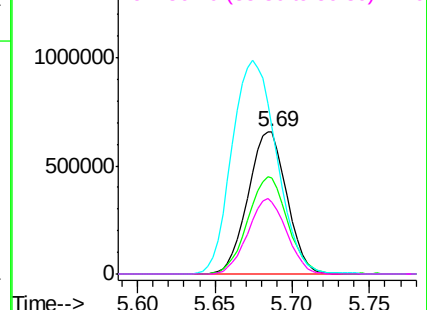
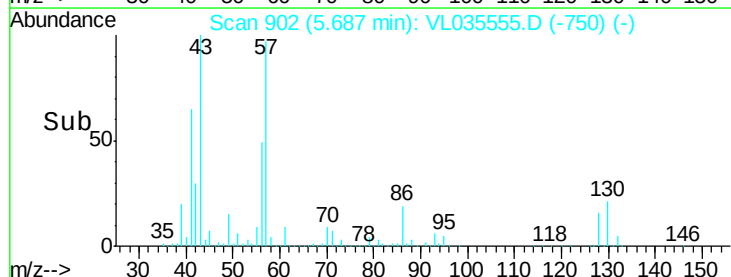
Abundance

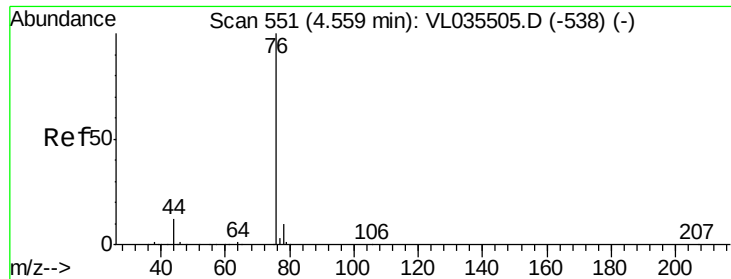
Ion 57.10 (56.80 to 57.80): VL0

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: 11.452 ppbv

RT: 4.54 min Scan# 546

Delta R.T. -0.02 min

Lab File: VL035555.D

Acq: 8 Sep 2020 13:55

Instrument :

MSVOA_L

ClientSampleId :

VL0908ABS01

Tot Ion: 76 Resp: 1910939

Ion Ratio Lower Upper

76 100

44 11.5 9.3 13.9

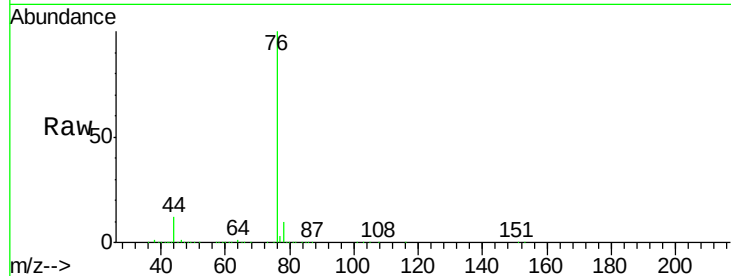
78 9.7 7.8 11.6

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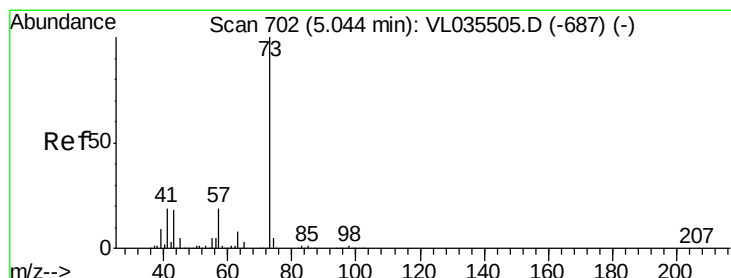
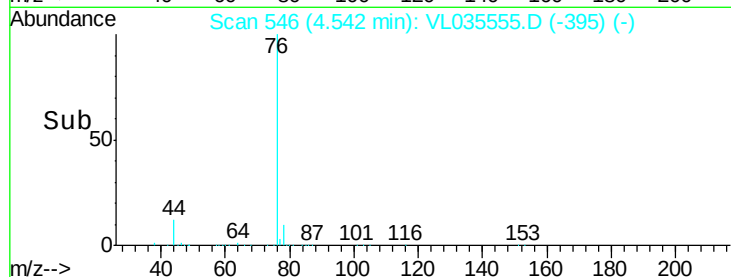
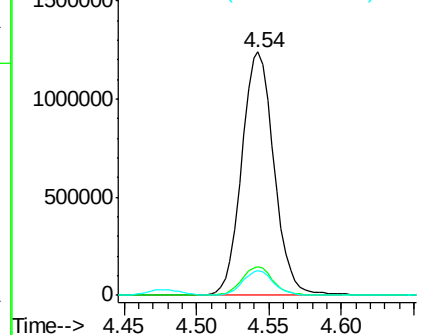
9/10/2020 10:45:12 AM



Abundance Ion 76.00 (75.70 to 76.70): VL0

Ion 44.10 (43.80 to 44.80): VL0

Ion 78.00 (77.70 to 78.70): VL0



#28

Methyl tert-Butyl Ether

Concen: 10.226 ppbv

RT: 5.03 min Scan# 697

Delta R.T. -0.02 min

Lab File: VL035555.D

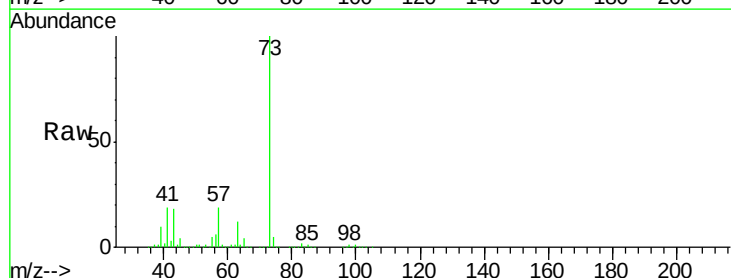
Acq: 8 Sep 2020 13:55

Tgt Ion: 73 Resp: 2072390

Ion Ratio Lower Upper

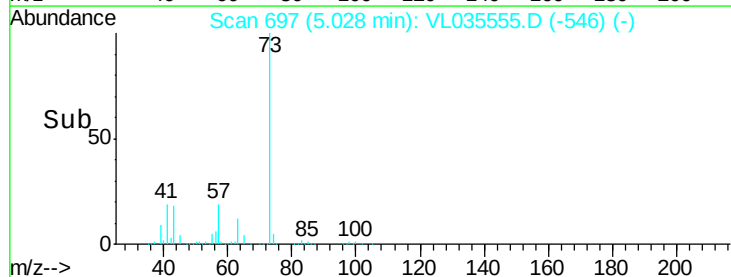
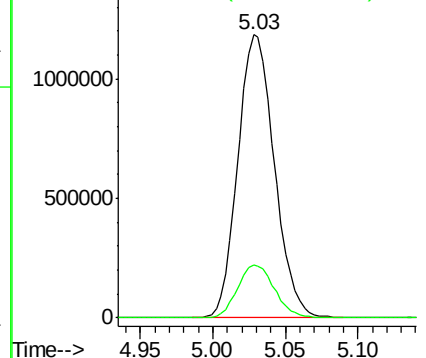
73 100

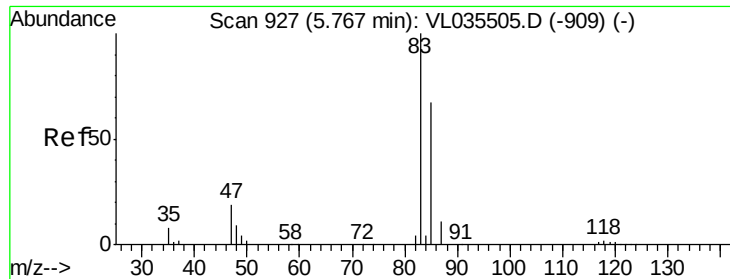
57 19.0 15.2 22.8



Abundance Ion 73.10 (72.80 to 73.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





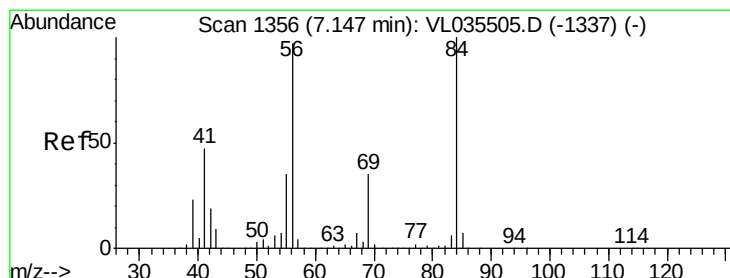
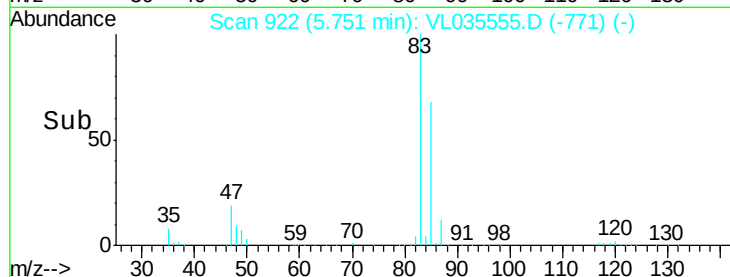
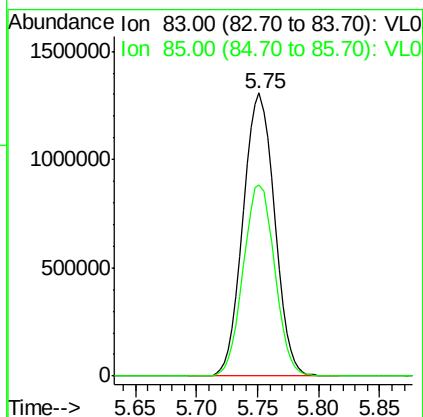
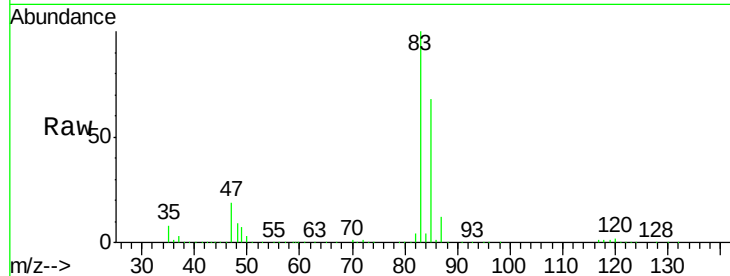
#29
Chloroform
Concen: 9.831 ppbv
RT: 5.75 min Scan# 922
Delta R.T. -0.02 min
Lab File: VL035555.D
Acq: 8 Sep 2020 13:55

Instrument :
MSVOA_L
ClientSampleId :
VL0908ABS01

Tot Ion: 83 Resp: 2329205
Ion Ratio Lower Upper
83 100
85 67.4 53.9 80.9

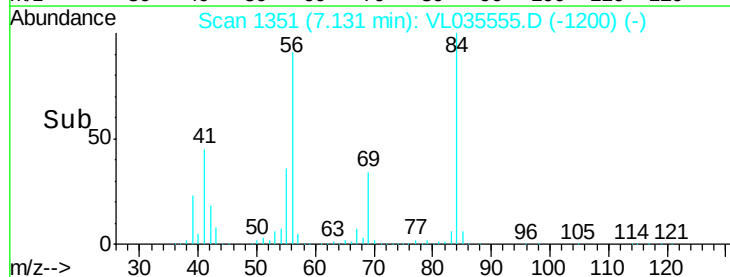
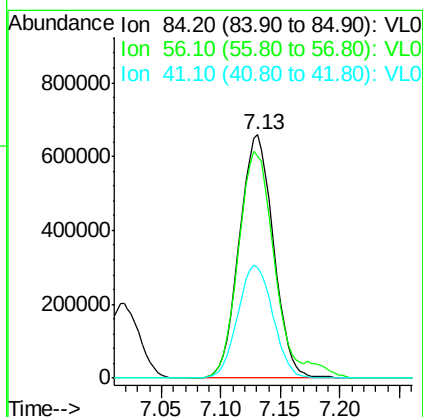
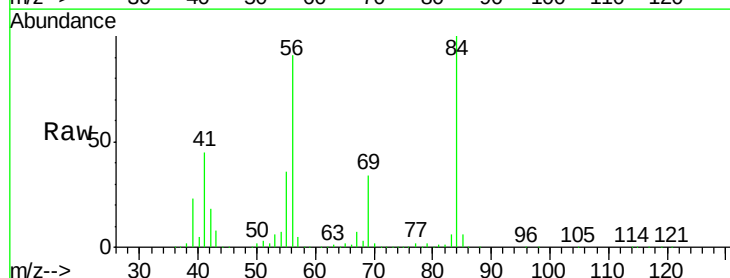
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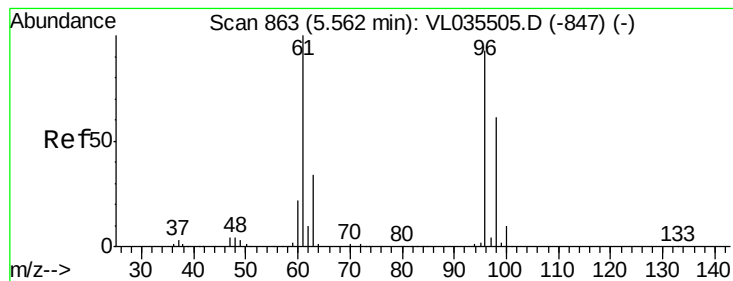
MMDadoda
9/10/2020 10:45:12 AM



#30
Cyclohexane
Concen: 10.500 ppbv
RT: 7.13 min Scan# 1351
Delta R.T. -0.02 min
Lab File: VL035555.D
Acq: 8 Sep 2020 13:55

Tgt Ion: 84 Resp: 1308020
Ion Ratio Lower Upper
84 100
56 100.5 80.1 120.1
41 47.8 38.1 57.1





#31

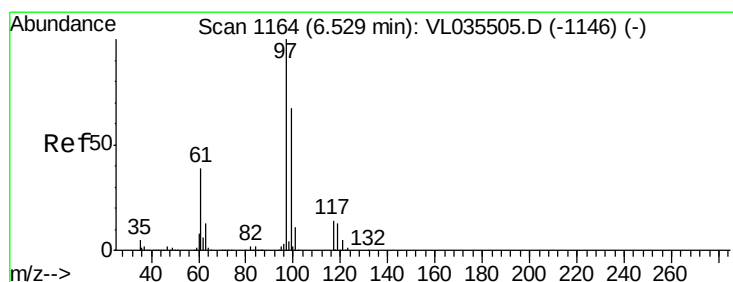
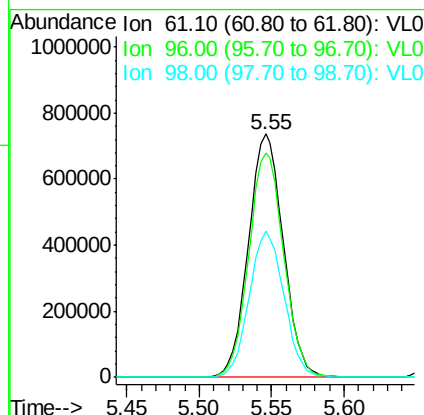
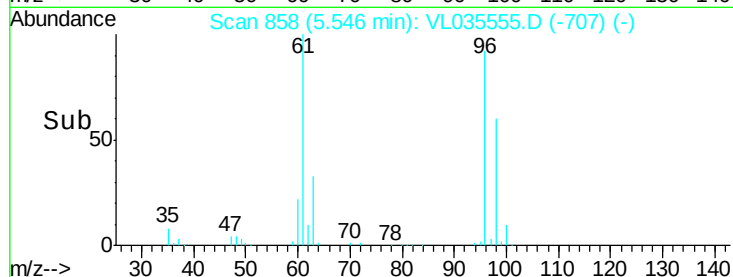
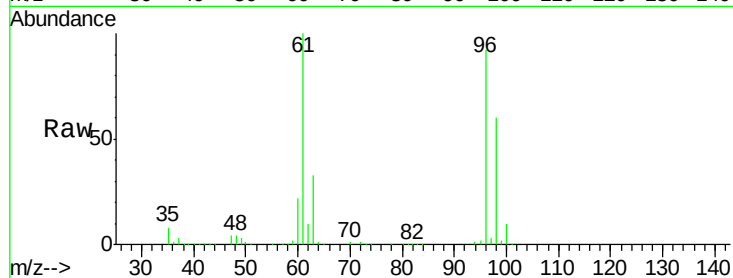
cis-1,2-Dichloroethene
Concen: 10.345 ppbv
RT: 5.55 min Scan# 858
Delta R.T. -0.02 min
Lab File: VL035555.D
Acq: 8 Sep 2020 13:55

Instrument :
MSVOA_L
ClientSampleId :
VL0908ABS01

Tot Ion	Ratio	Lower	Upper
61	100		
96	92.2	74.4	111.6
98	60.2	49.2	73.8

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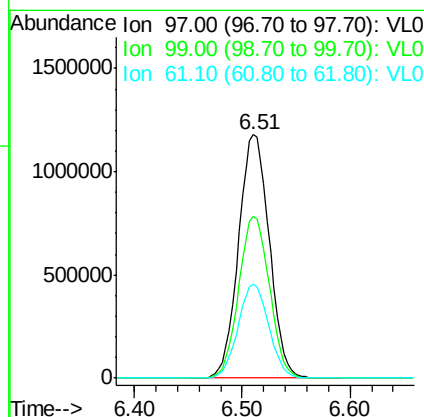
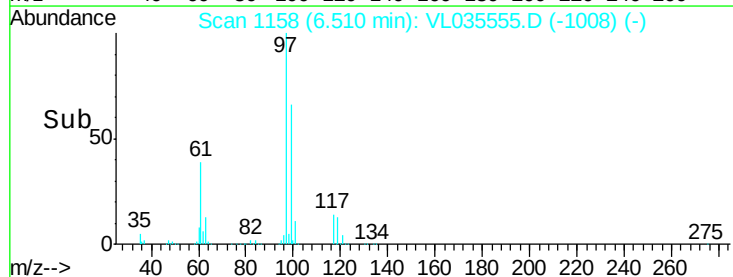
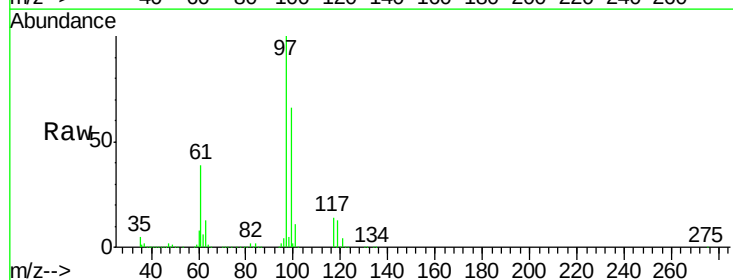
MMDadoda
9/10/2020 10:45:12 AM

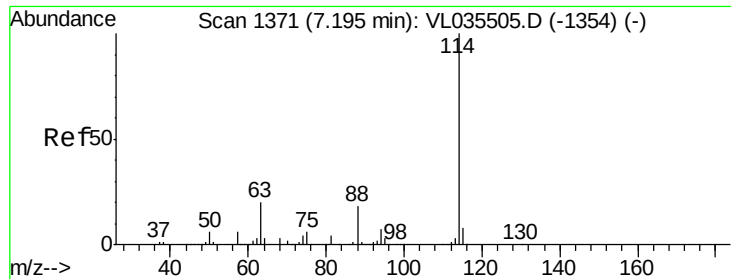


#32

1,1,1-Trichloroethane
Concen: 10.214 ppbv
RT: 6.51 min Scan# 1158
Delta R.T. -0.02 min
Lab File: VL035555.D
Acq: 8 Sep 2020 13:55

Tgt Ion	Ratio	Lower	Upper
97	100		
99	66.3	53.3	79.9
61	38.5	30.6	46.0





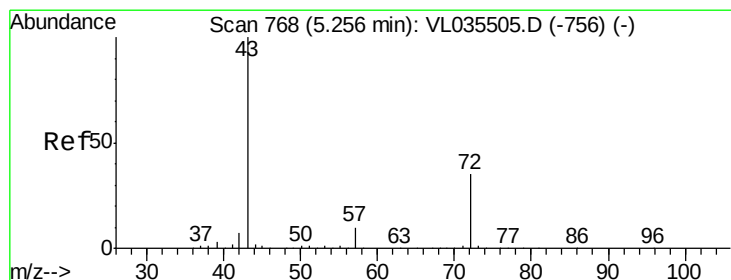
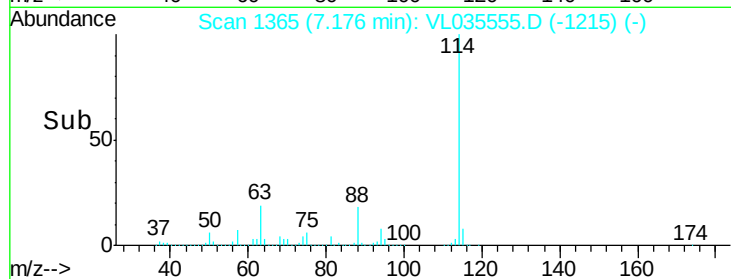
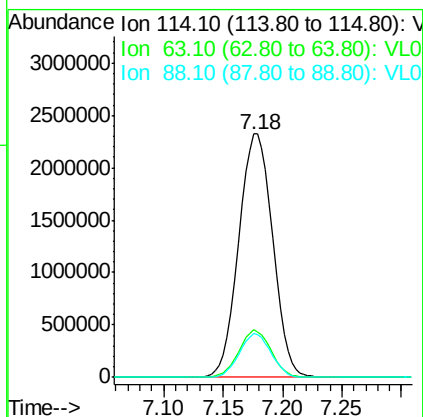
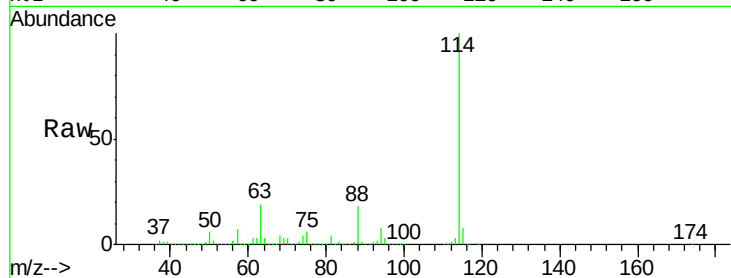
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.18 min Scan# 1365
 Delta R.T. -0.02 min
 Lab File: VL035555.D
 Acq: 8 Sep 2020 13:55

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0908ABS01

Tot Ion:114 Resp: 4600884
 Ion Ratio Lower Upper
 114 100
 63 18.6 14.7 22.1
 88 16.8 13.4 20.2

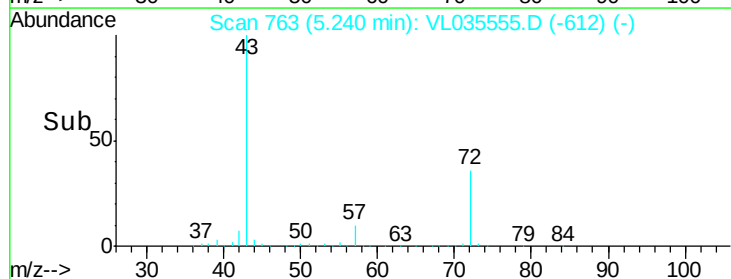
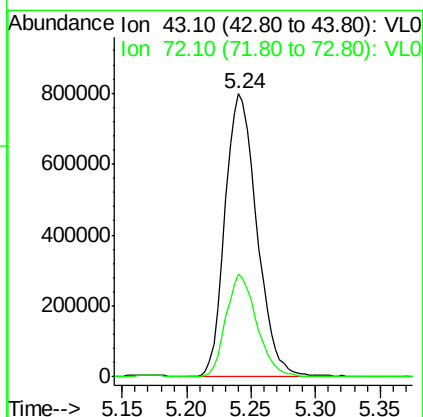
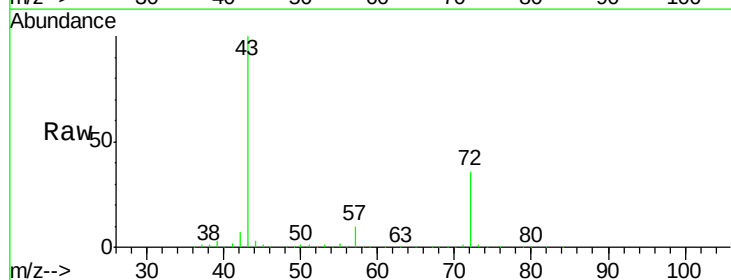
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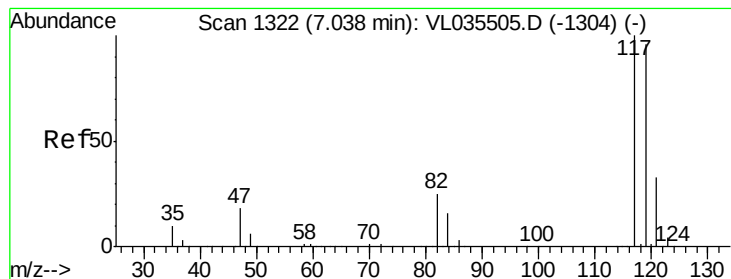
MMDadoda
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#34
 2-Butanone
 Concen: 10.015 ppbv
 RT: 5.24 min Scan# 763
 Delta R.T. -0.02 min
 Lab File: VL035555.D
 Acq: 8 Sep 2020 13:55

Tgt Ion: 43 Resp: 1367419
 Ion Ratio Lower Upper
 43 100
 72 35.1 27.7 41.5





#35

Carbon Tetrachloride

Concen: 10.693 ppbv

RT: 7.02 min Scan# 1316

Delta R.T. -0.02 min

Lab File: VL035555.D

Acq: 8 Sep 2020 13:55

Instrument :

MSVOA_L

ClientSampleId :

VL0908ABS01

Tot Ion:117 Resp: 2472576

Ion Ratio Lower Upper

117 100

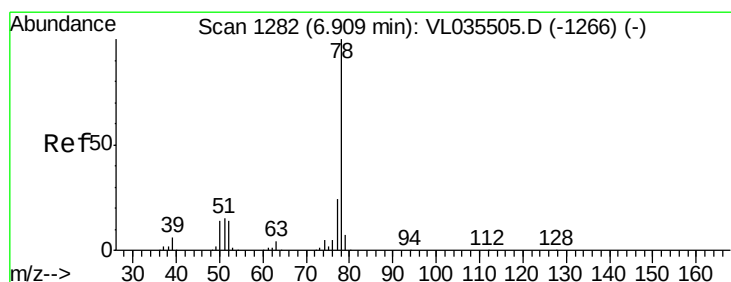
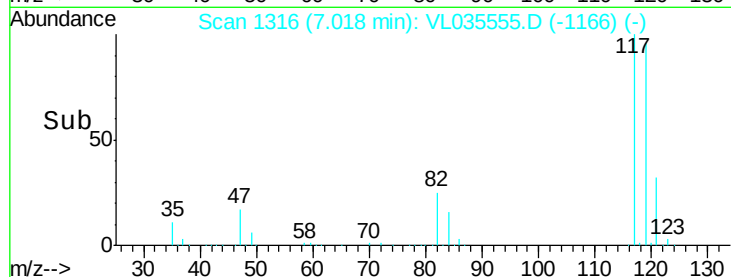
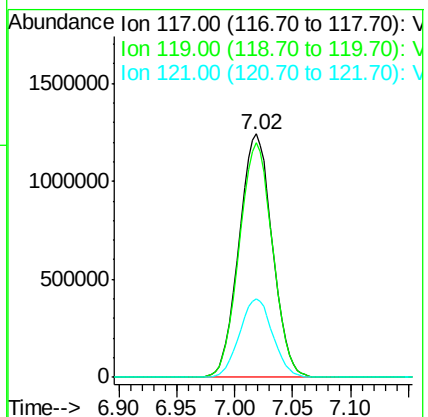
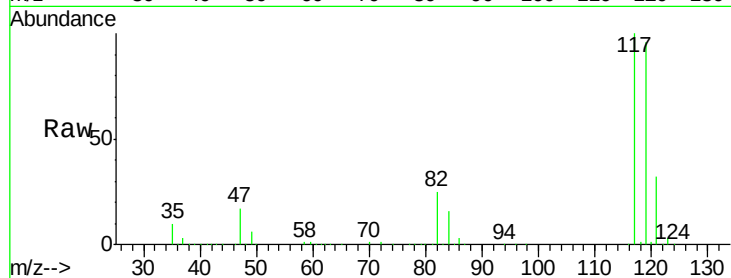
119 96.2 77.2 115.8

121 32.5 26.1 39.1

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#36

Benzene

Concen: 10.012 ppbv

RT: 6.89 min Scan# 1277

Delta R.T. -0.02 min

Lab File: VL035555.D

Acq: 8 Sep 2020 13:55

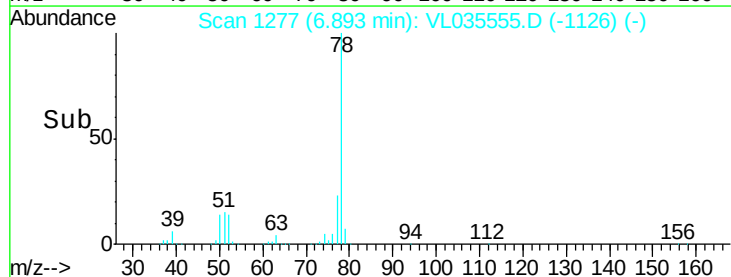
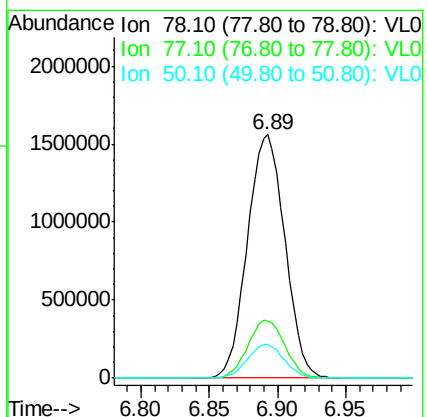
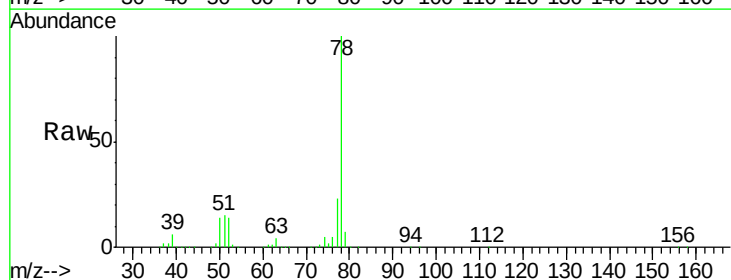
Tgt Ion: 78 Resp: 2981931

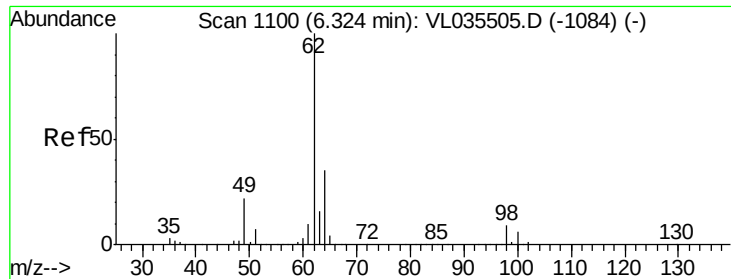
Ion Ratio Lower Upper

78 100

77 23.5 19.3 28.9

50 13.9 11.0 16.6





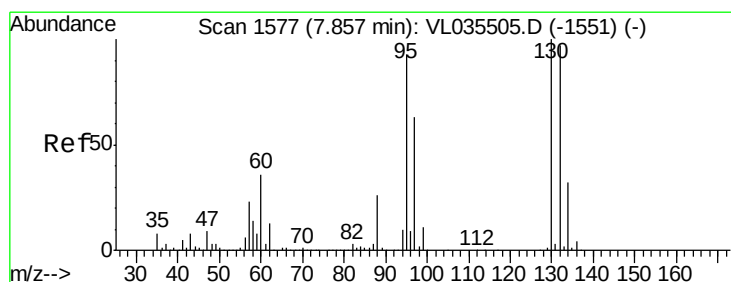
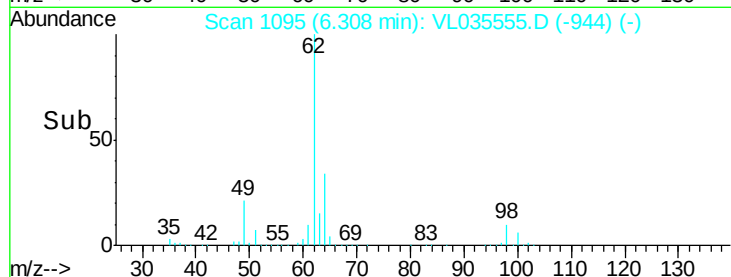
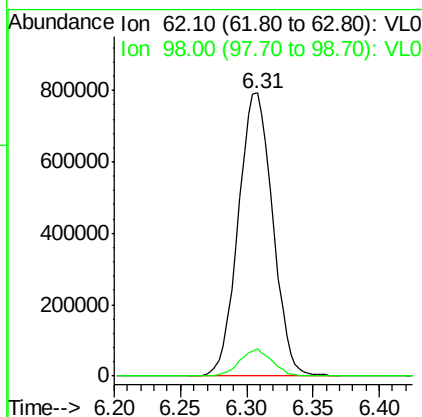
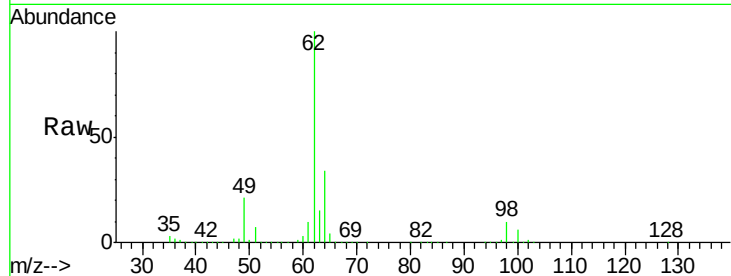
#37
 1,2-Dichloroethane
 Concen: 10.076 ppbv
 RT: 6.31 min Scan# 1095
 Delta R.T. -0.02 min
 Lab File: VL035555.D
 Acq: 8 Sep 2020 13:55

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0908ABS01

Tot Ion: 62 Resp: 1430690
 Ion Ratio Lower Upper
 62 100
 98 9.1 7.4 11.0

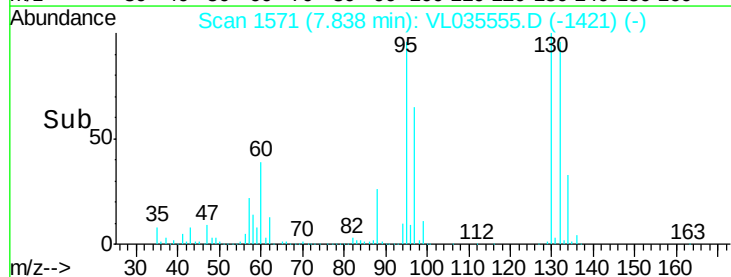
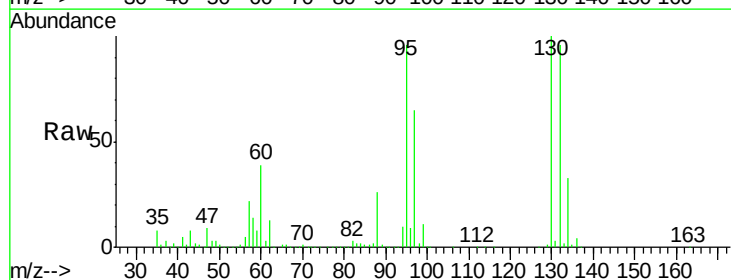
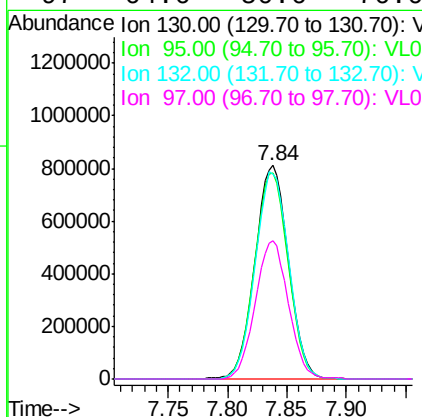
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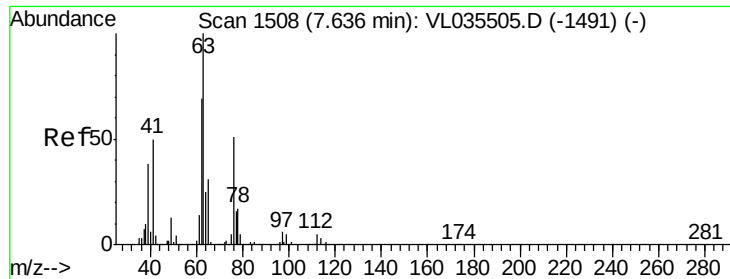
MMDadoda
 9/10/2020 10:45:12 AM



#38
 Trichloroethene
 Concen: 9.129 ppbv
 RT: 7.84 min Scan# 1571
 Delta R.T. -0.02 min
 Lab File: VL035555.D
 Acq: 8 Sep 2020 13:55

Tgt Ion:130 Resp: 1579353
 Ion Ratio Lower Upper
 130 100
 95 96.4 74.6 112.0
 132 96.1 77.6 116.4
 97 64.6 50.6 76.0





#39

1,2-Dichloropropane

Concen: 10.014 ppbv

RT: 7.62 min Scan# 1502

Delta R.T. -0.02 min

Lab File: VL035555.D

Acq: 8 Sep 2020 13:55

Instrument :

MSVOA_L

ClientSampleId :

VL0908ABS01

Tot Ion: 63 Resp: 1007438

Ion Ratio Lower Upper

63 100

41 51.1 40.0 60.0

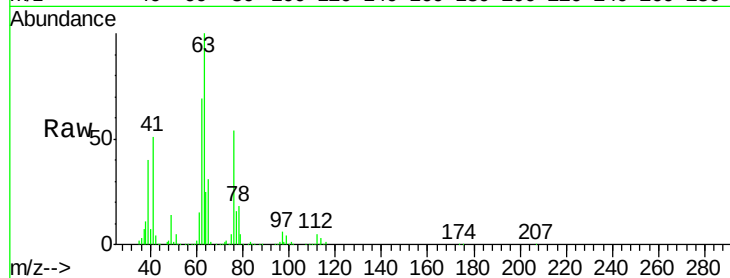
62 68.8 55.4 83.0

Manual Integrations

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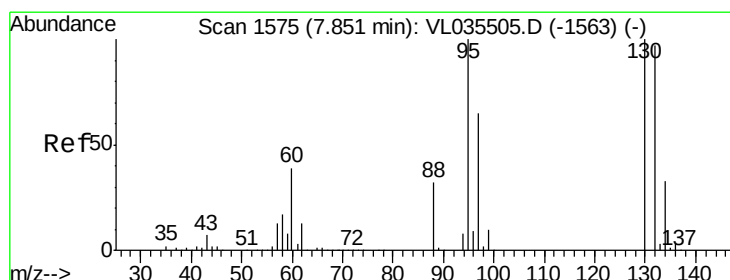
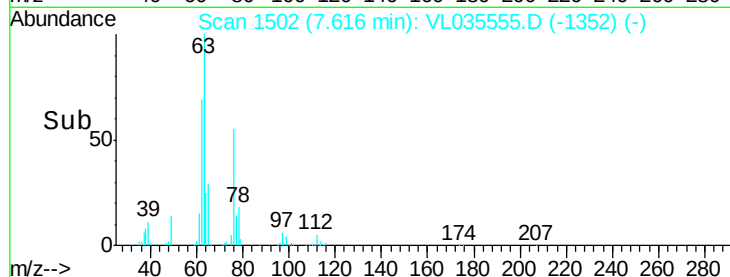
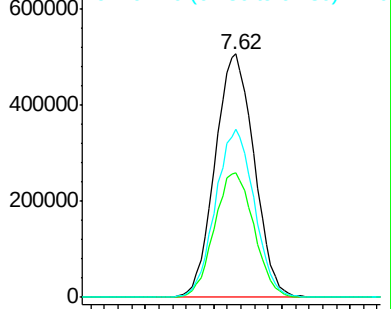
9/10/2020 10:45:12 AM



Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 62.10 (61.80 to 62.80): VL0



#40

1,4-Dioxane

Concen: 10.453 ppbv

RT: 7.83 min Scan# 1569

Delta R.T. -0.02 min

Lab File: VL035555.D

Acq: 8 Sep 2020 13:55

Tgt Ion: 88 Resp: 525337

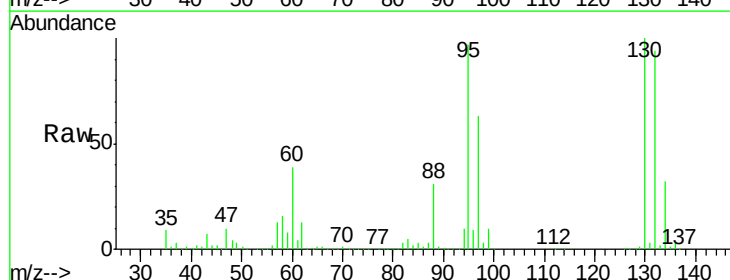
Ion Ratio Lower Upper

88 100

58 89.3 68.7 103.1

43 135.2 104.3 156.5

57 733.8 560.7 841.1

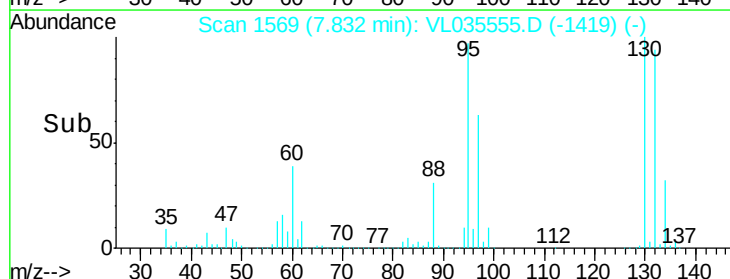
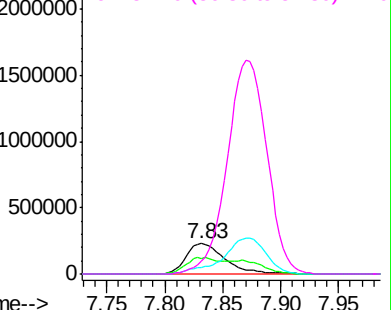


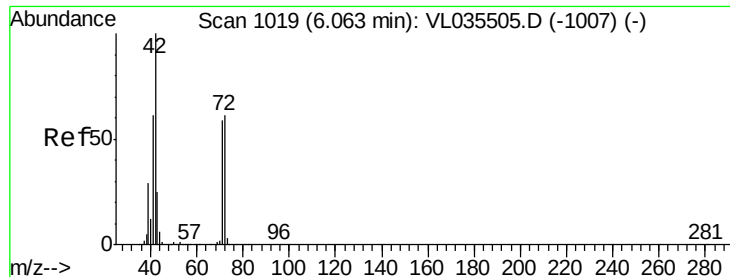
Abundance Ion 88.10 (87.80 to 88.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





#41

Tetrahydrofuran

Concen: 10.702 ppbv

RT: 6.05 min Scan# 1014

Delta R.T. -0.02 min

Lab File: VL035555.D

Acq: 8 Sep 2020 13:55

Instrument :

MSVOA_L

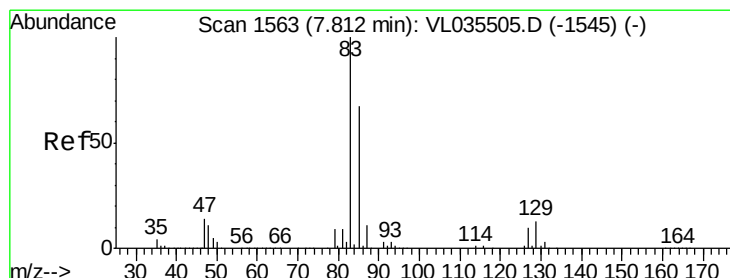
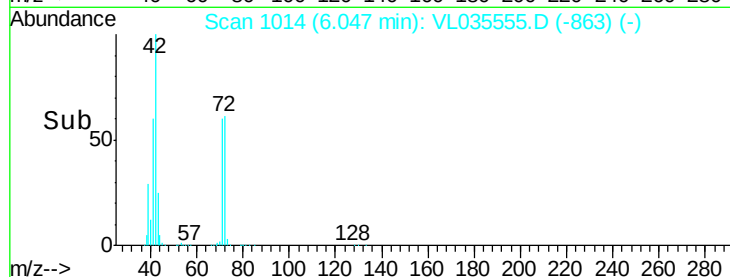
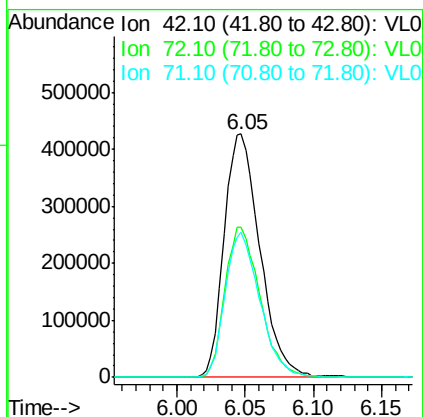
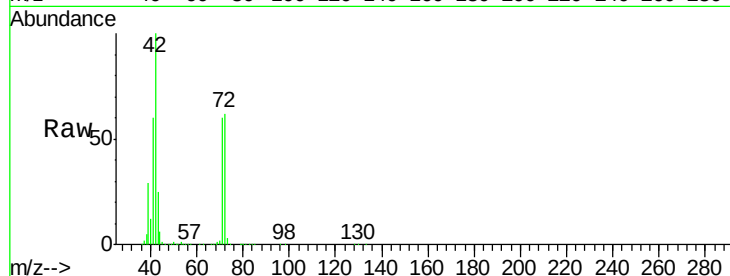
ClientSampleId :

VL0908ABS01

Tot Ion:	42	Resp:	774844
Ion	Ratio	Lower	Upper
42	100		
72	61.1	48.6	73.0
71	58.2	46.1	69.1

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#42

Bromodichloromethane

Concen: 10.789 ppbv

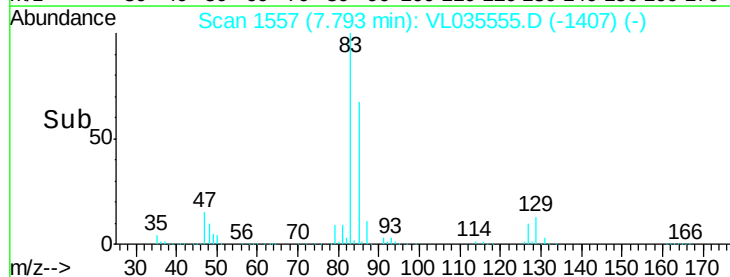
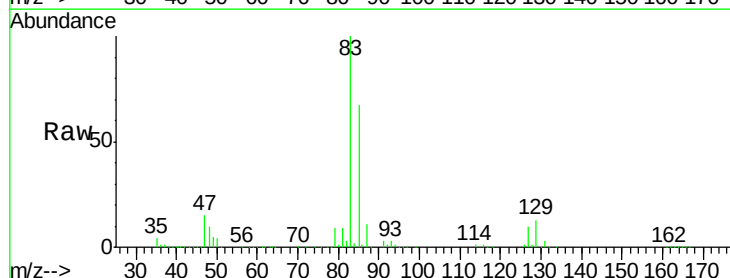
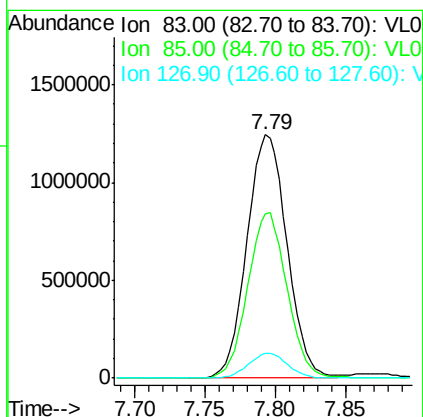
RT: 7.79 min Scan# 1557

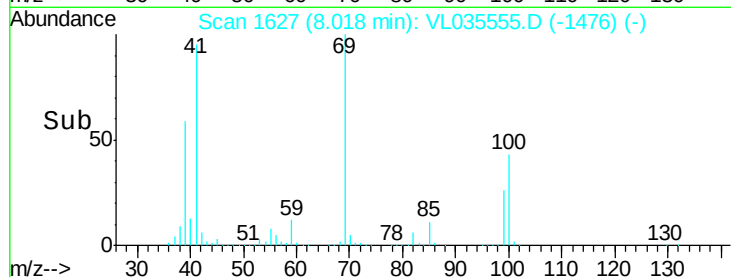
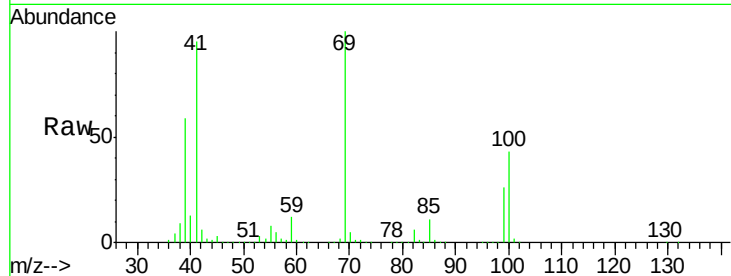
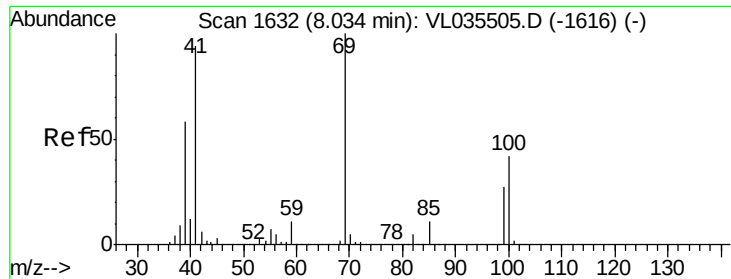
Delta R.T. -0.02 min

Lab File: VL035555.D

Acq: 8 Sep 2020 13:55

Tgt Ion:	83	Resp:	2477346
Ion	Ratio	Lower	Upper
83	100		
85	67.3	53.7	80.5
127	10.2	8.1	12.1





#43

Methyl Methacrylate

Concen: 10.823 ppbv

RT: 8.02 min Scan# 1627

Delta R.T. -0.02 min

Lab File: VL035555.D

Acq: 8 Sep 2020 13:55

Tot Ion: 69 Resp: 1246341

Ion Ratio Lower Upper

69 100

41 95.3 76.6 114.8

100 41.8 33.8 50.6

Instrument :

MSVOA_L

ClientSampleId :

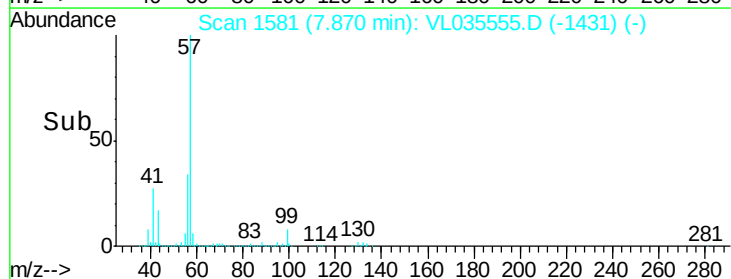
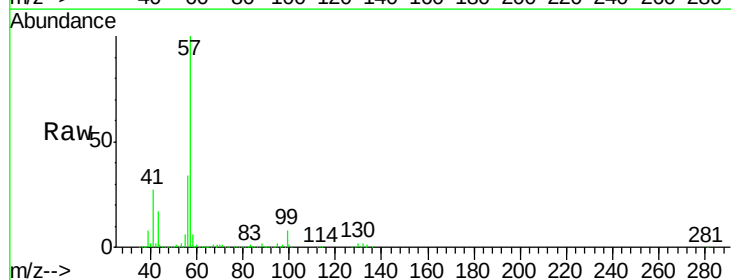
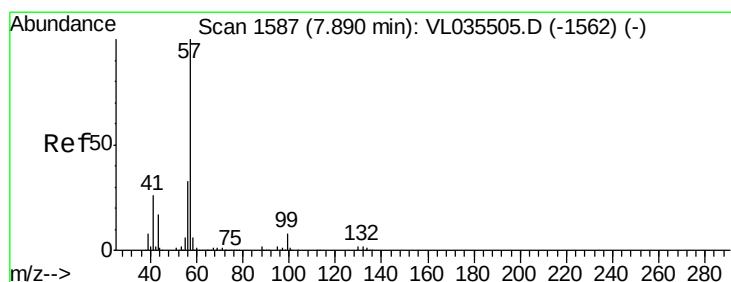
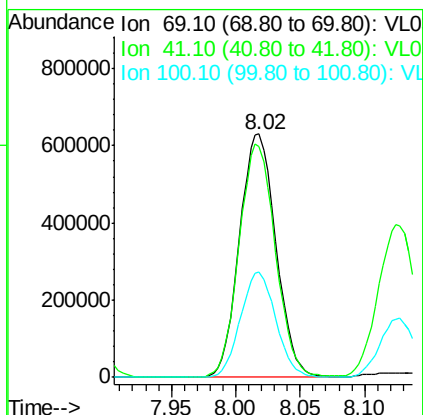
VL0908ABS01

Manual Integrations

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MMDadoda

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#44

2,2,4-Trimethylpentane

Concen: 9.825 ppbv

RT: 7.87 min Scan# 1581

Delta R.T. -0.02 min

Lab File: VL035555.D

Acq: 8 Sep 2020 13:55

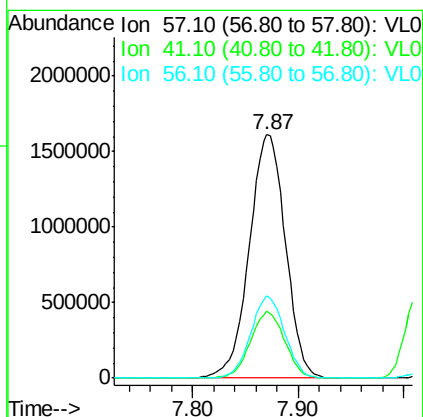
Tgt Ion: 57 Resp: 3850267

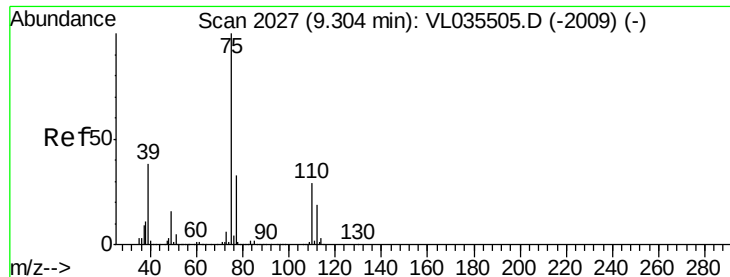
Ion Ratio Lower Upper

57 100

41 25.9 20.5 30.7

56 31.7 25.3 37.9





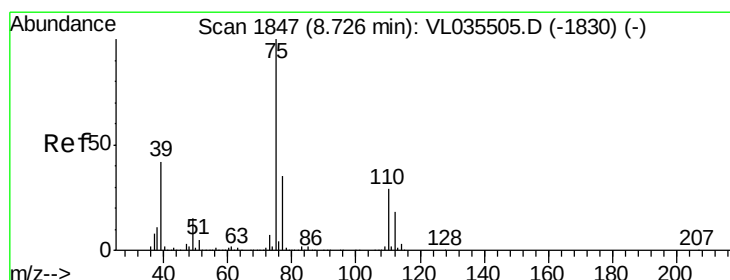
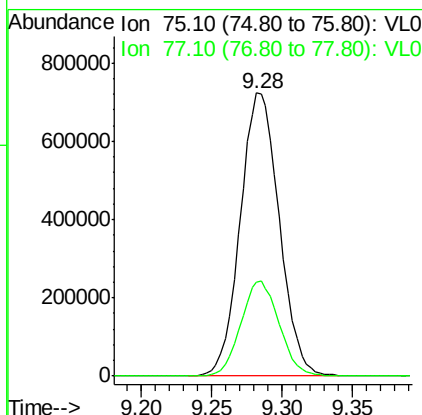
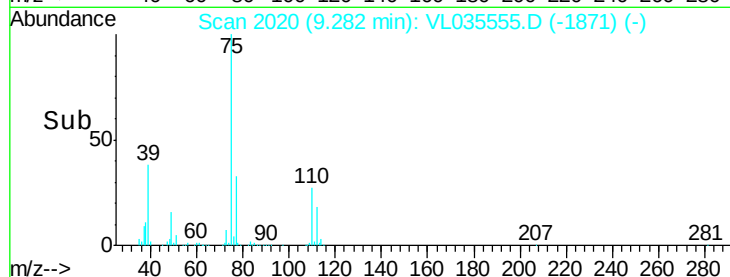
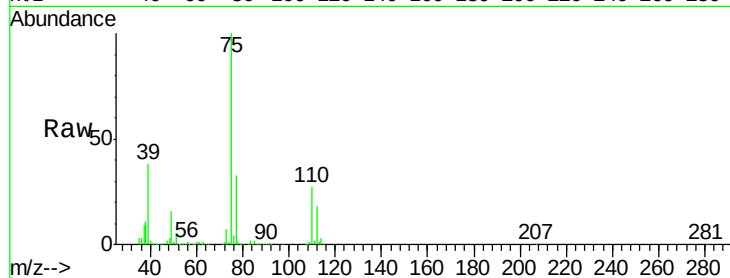
#45
t-1,3-Dichloropropene
Concen: 11.996 ppbv
RT: 9.28 min Scan# 2020
Delta R.T. -0.02 min
Lab File: VL035555.D
Acq: 8 Sep 2020 13:55

Instrument :
MSVOA_L
ClientSampleId :
VL0908ABS01

Tot Ion: 75 Resp: 1399510
Ion Ratio Lower Upper
75 100
77 33.3 26.5 39.7

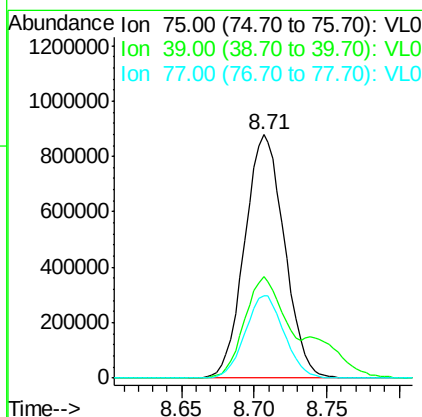
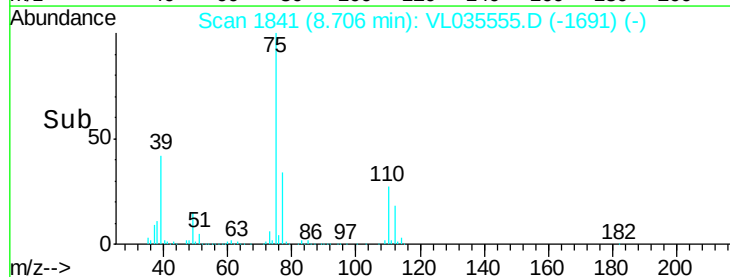
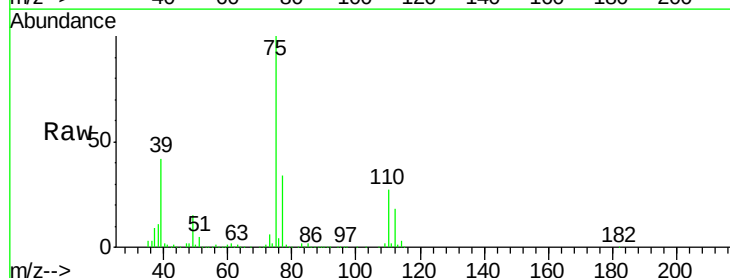
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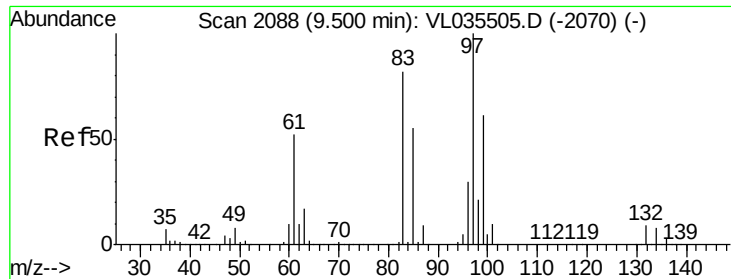
MMDadoda
9/10/2020 10:45:12 AM



#46
cis-1,3-Dichloropropene
Concen: 11.560 ppbv
RT: 8.71 min Scan# 1841
Delta R.T. -0.02 min
Lab File: VL035555.D
Acq: 8 Sep 2020 13:55

Tgt Ion: 75 Resp: 1674441
Ion Ratio Lower Upper
75 100
39 41.8 33.7 50.5
77 33.9 27.8 41.6





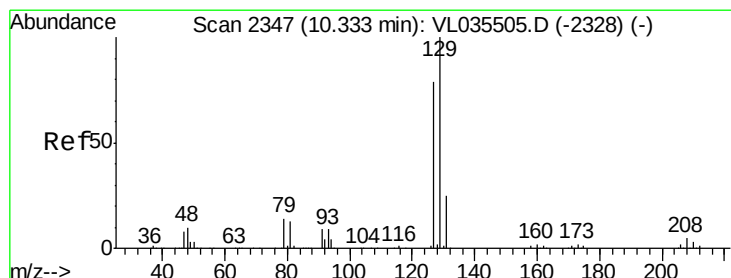
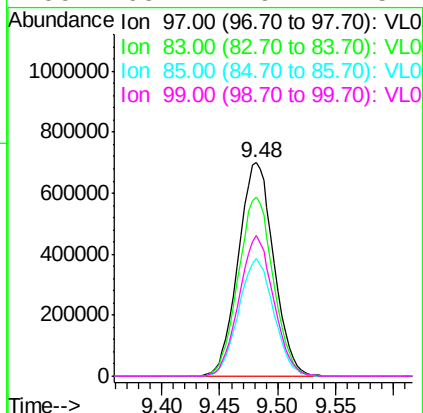
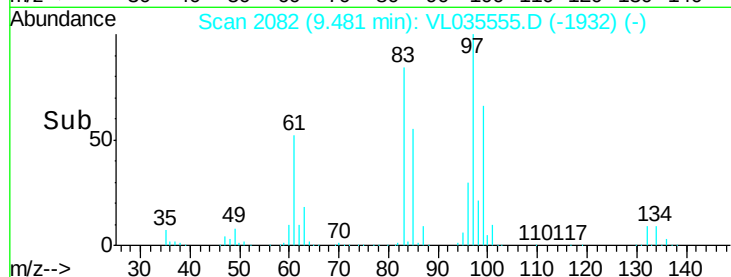
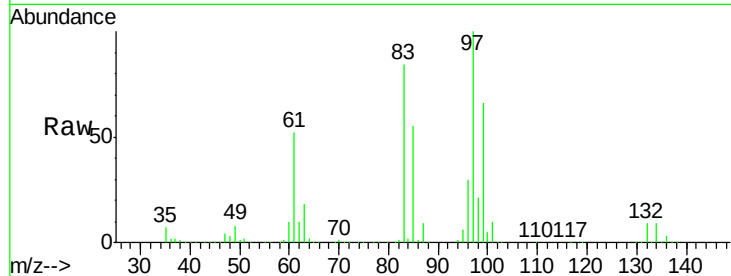
#47
 1,1,2-Trichloroethane
 Concen: 10.031 ppbv
 RT: 9.48 min Scan# 2082
 Delta R.T. -0.02 min
 Lab File: VL035555.D
 Acq: 8 Sep 2020 13:55

Instrument :
 MSVOA_L
 ClientSampleID :
 VL0908ABS01

Tot Ion	Ion	Ratio	Lower	Upper
97	100			
83	83.9	65.4	98.2	
85	55.1	43.7	65.5	
99	65.7	49.1	73.7	

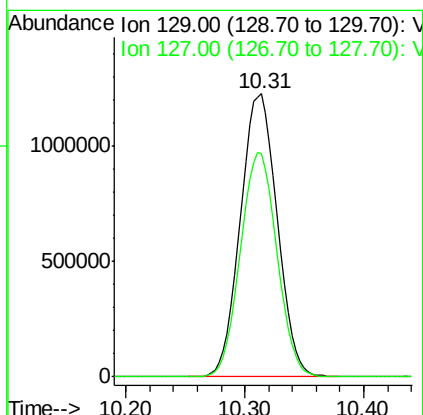
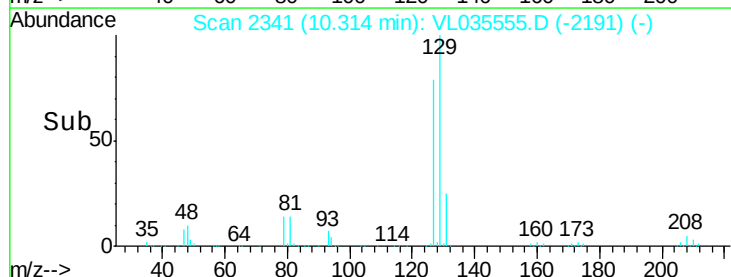
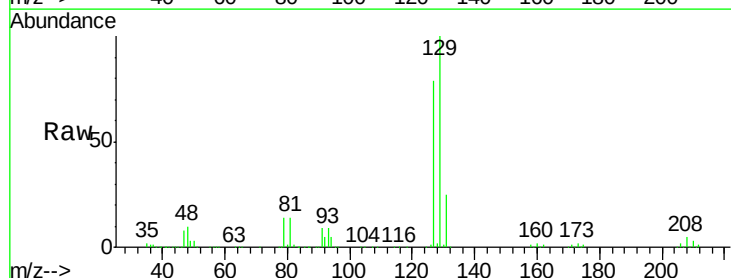
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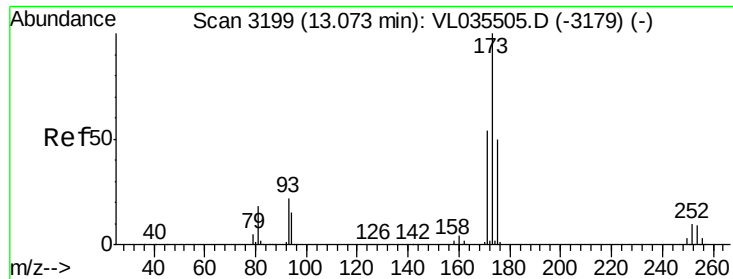
MMDadoda
 9/10/2020 10:45:12 AM



#48
 Dibromochloromethane
 Concen: 11.255 ppbv
 RT: 10.31 min Scan# 2341
 Delta R.T. -0.02 min
 Lab File: VL035555.D
 Acq: 8 Sep 2020 13:55

Tgt Ion	Ion	Ratio	Lower	Upper
129	100			
127	78.7	39.3	117.8	





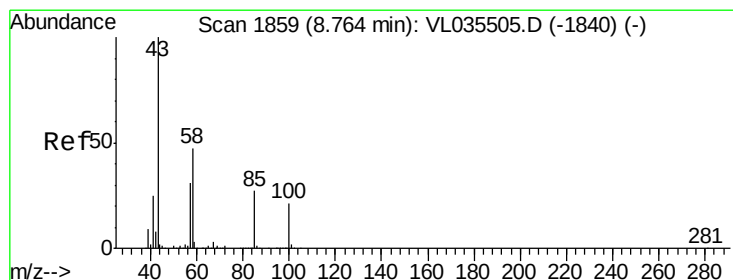
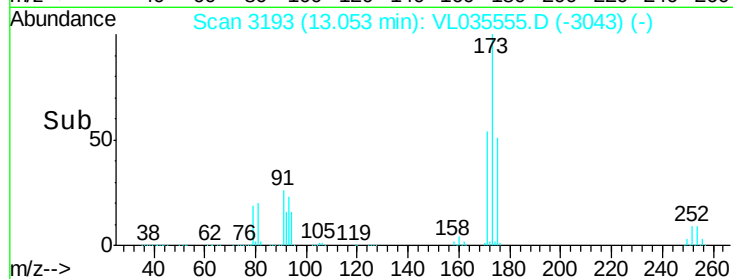
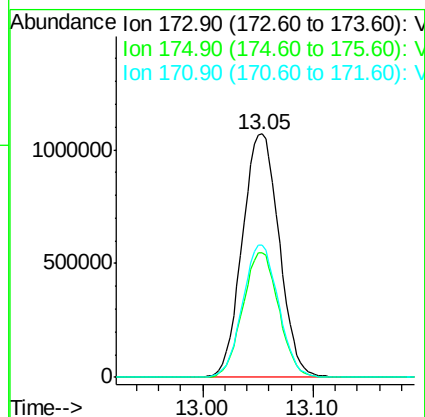
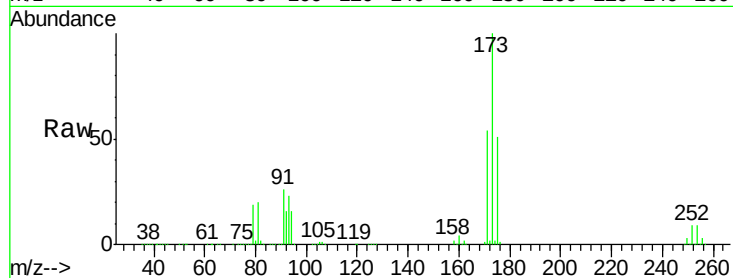
#49
Bromoform
Concen: 11.727 ppbv
RT: 13.05 min Scan# 3193
Delta R.T. -0.02 min
Lab File: VL035555.D
Acq: 8 Sep 2020 13:55

Instrument :
MSVOA_L
ClientSampleId :
VL0908ABS01

Tot Ion:173 Resp: 2483190
Ion Ratio Lower Upper
173 100
175 50.2 39.8 59.8
171 53.2 42.4 63.6

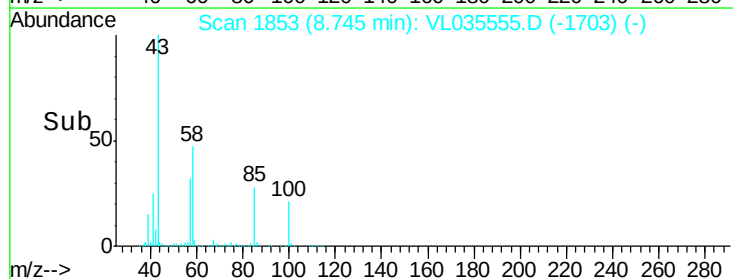
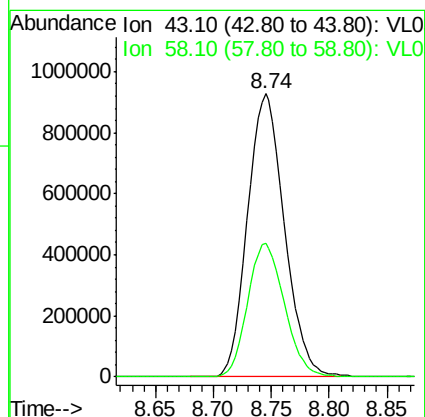
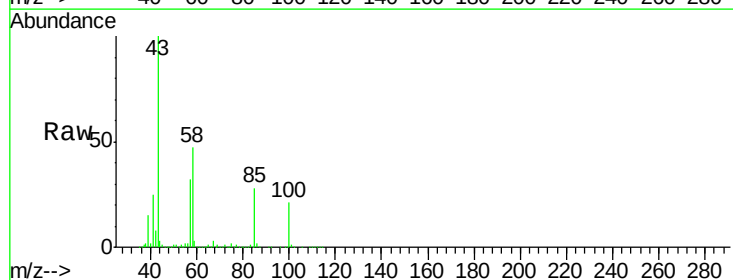
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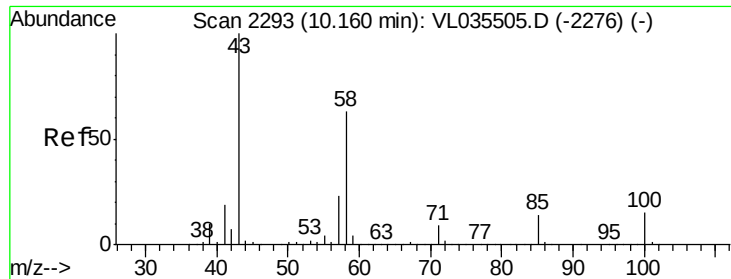
MMDadoda
9/10/2020 10:45:12 AM



#50
4-Methyl-2-Pentanone
Concen: 10.376 ppbv
RT: 8.74 min Scan# 1853
Delta R.T. -0.02 min
Lab File: VL035555.D
Acq: 8 Sep 2020 13:55

Tgt Ion: 43 Resp: 2051494
Ion Ratio Lower Upper
43 100
58 47.3 37.4 56.0





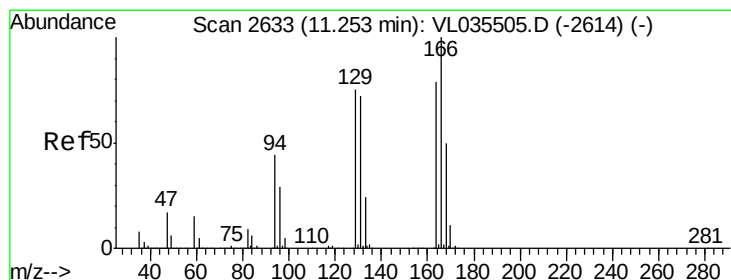
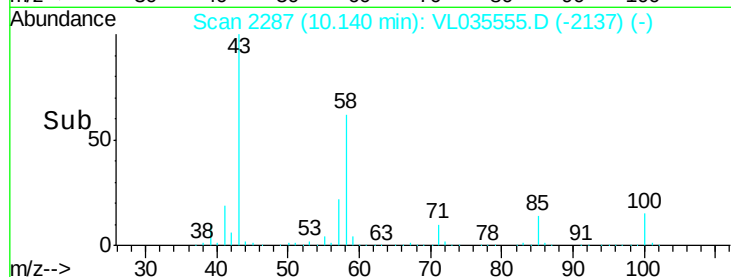
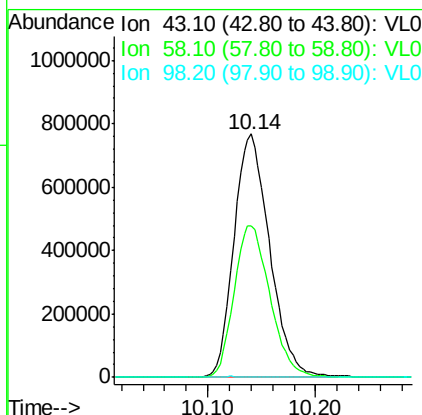
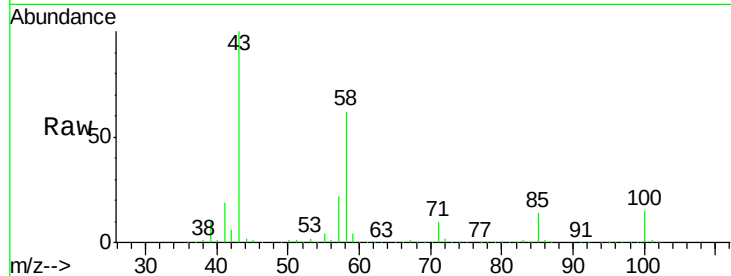
#51
2-Hexanone
Concen: 10.904 ppbv
RT: 10.14 min Scan# 2287
Delta R.T. -0.02 min
Lab File: VL035555.D
Acq: 8 Sep 2020 13:55

Instrument :
MSVOA_L
ClientSampleId :
VL0908ABS01

Tot Ion: 43 Resp: 1768438
Ion Ratio Lower Upper
43 100
58 63.1 50.2 75.4
98 0.6 0.4 0.6

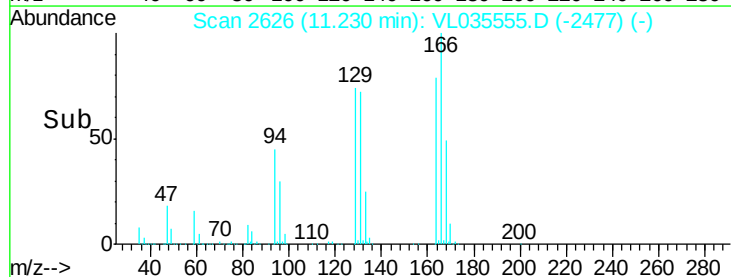
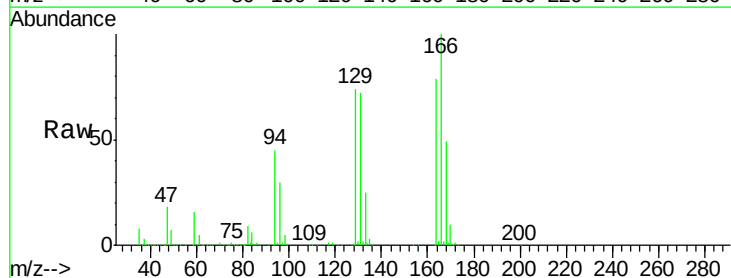
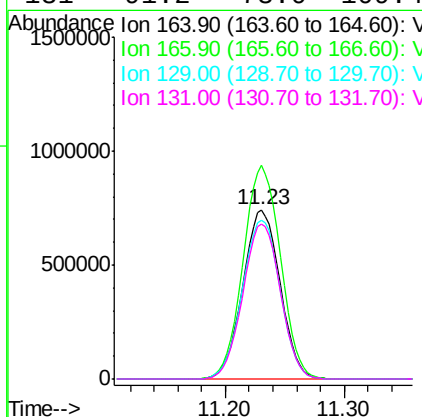
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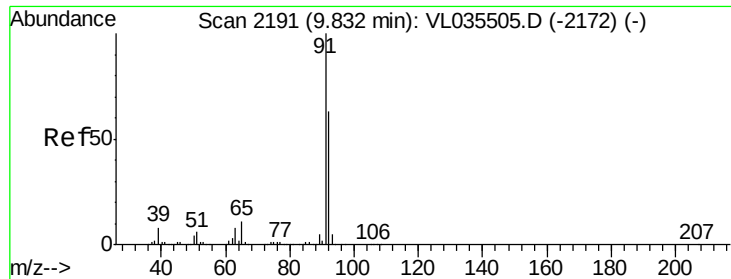
MMDadoda
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#52
Tetrachloroethene
Concen: 9.260 ppbv
RT: 11.23 min Scan# 2626
Delta R.T. -0.02 min
Lab File: VL035555.D
Acq: 8 Sep 2020 13:55

Tgt Ion: 164 Resp: 1611041
Ion Ratio Lower Upper
164 100
166 126.2 100.9 151.3
129 93.7 75.3 112.9
131 91.2 73.0 109.4





#53

Toluene

Concen: 10.251 ppbv

RT: 9.81 min Scan# 2185

Delta R.T. -0.02 min

Lab File: VL035555.D

Acq: 8 Sep 2020 13:55

Instrument :

MSVOA_L

ClientSampleId :

VL0908ABS01

Tot Ion: 91 Resp: 3839171

Ion Ratio Lower Upper

91 100

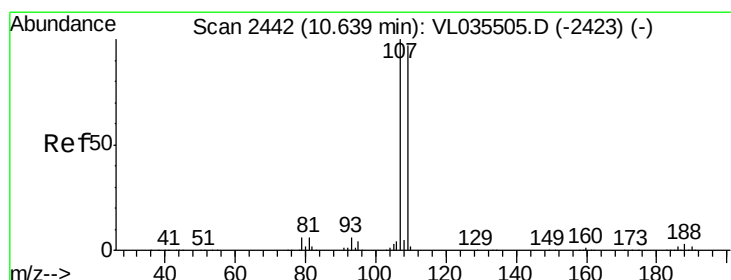
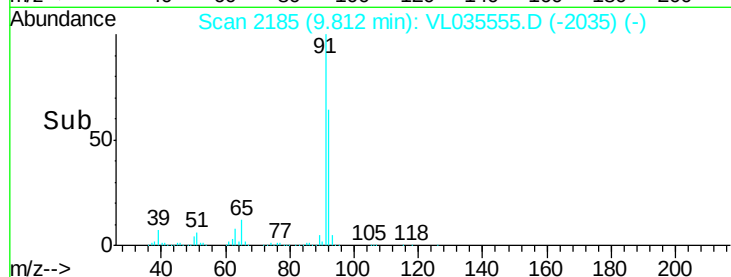
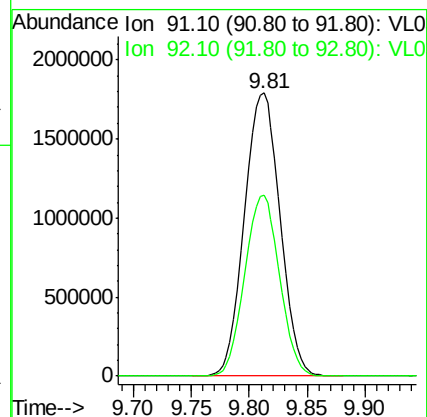
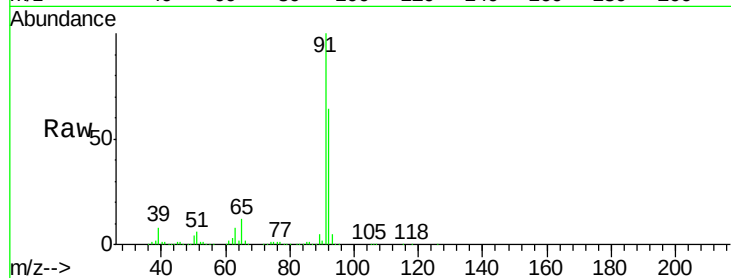
92 62.4 49.8 74.8

Manual Integrations

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#54

1,2-Dibromoethane

Concen: 10.153 ppbv

RT: 10.62 min Scan# 2436

Delta R.T. -0.02 min

Lab File: VL035555.D

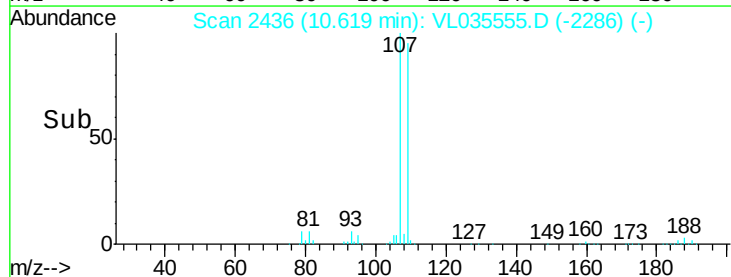
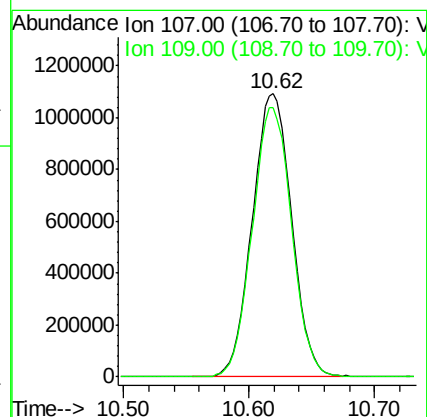
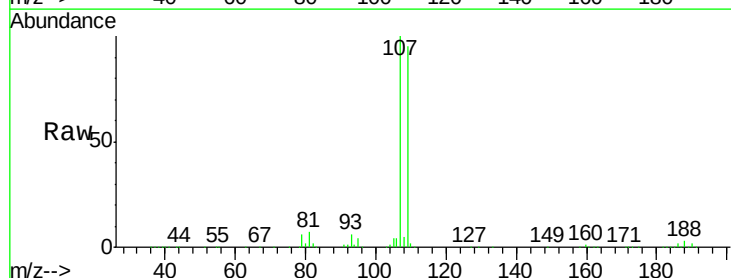
Acq: 8 Sep 2020 13:55

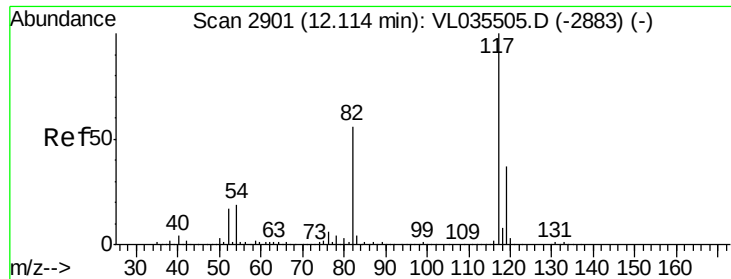
Tgt Ion: 107 Resp: 2381516

Ion Ratio Lower Upper

107 100

109 95.3 77.8 116.8





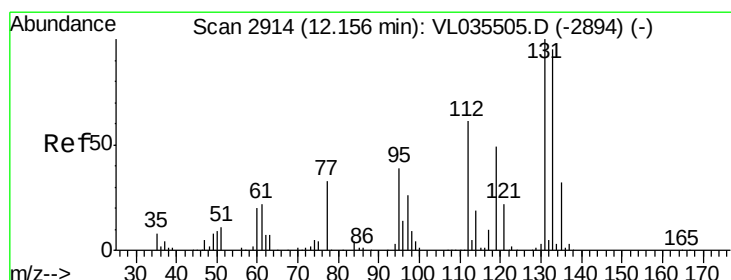
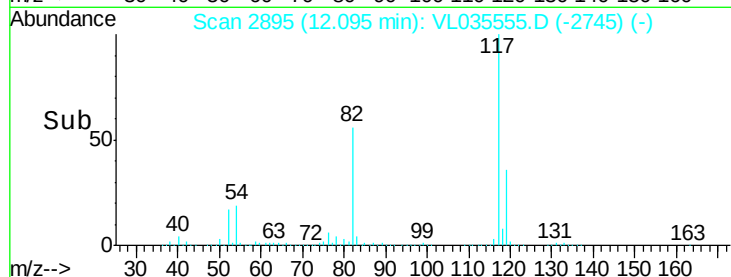
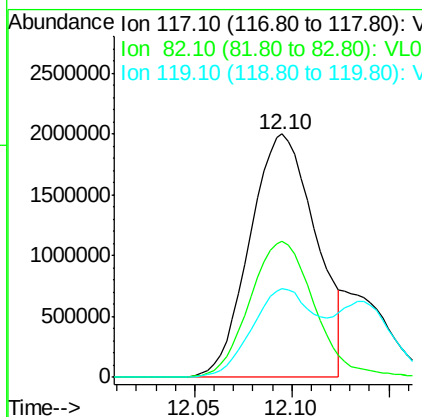
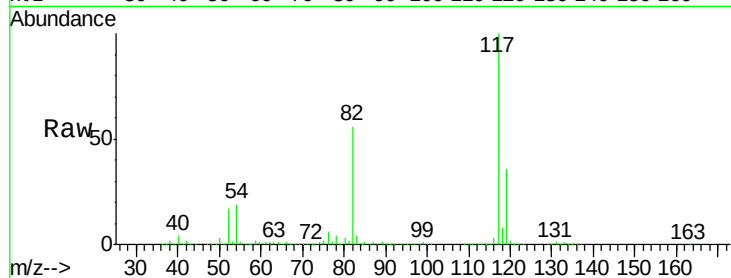
#55
Chlorobenzene-d5
Concen: 10.000 ppbv m
RT: 12.10 min Scan# 2895
Delta R.T. -0.02 min
Lab File: VL035555.D
Acq: 8 Sep 2020 13:55

Instrument :
MSVOA_L
ClientSampleId :
VL0908ABS01

Tot Ion:117 Resp: 4732528
Ion Ratio Lower Upper
117 100
82 54.9 41.6 62.4
119 32.8 29.3 43.9

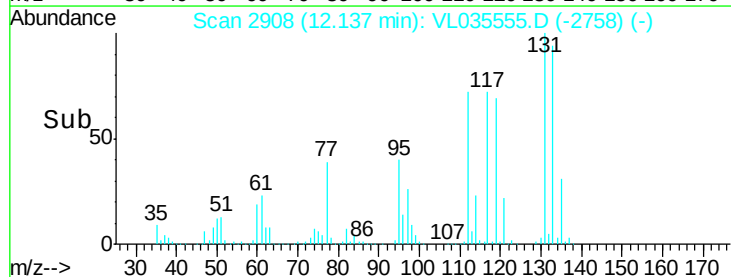
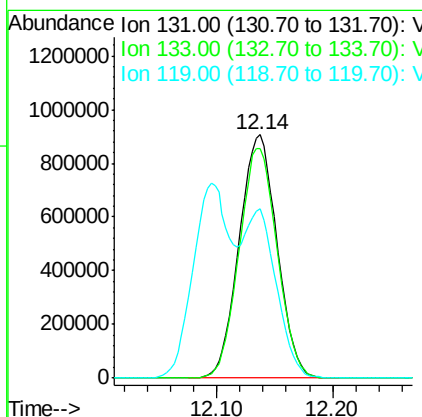
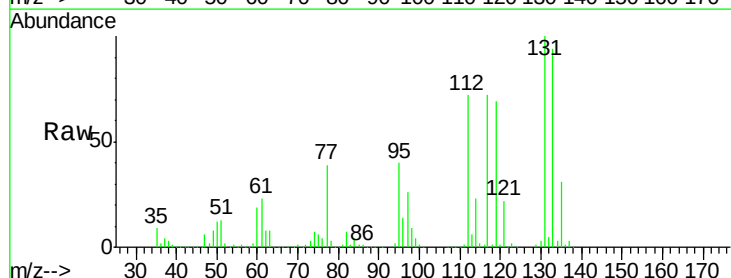
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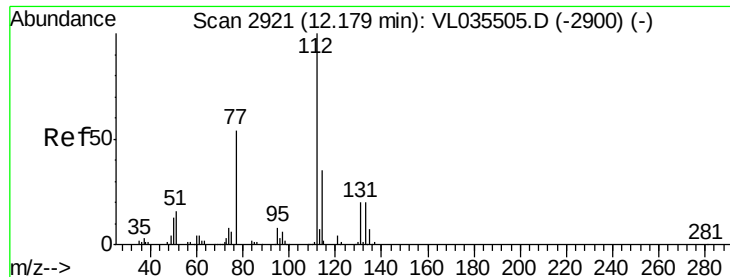
MMDadoda
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#56
1,1,1,2-Tetrachloroethane
Concen: 10.662 ppbv
RT: 12.14 min Scan# 2908
Delta R.T. -0.02 min
Lab File: VL035555.D
Acq: 8 Sep 2020 13:55

Tgt Ion:131 Resp: 2053207
Ion Ratio Lower Upper
131 100
133 95.3 76.6 115.0
119 56.8 51.6 77.4





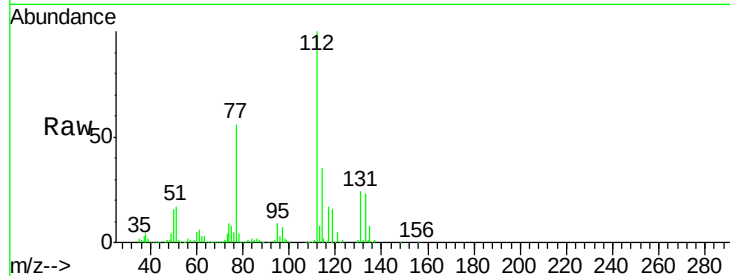
#57
Chlorobenzene
Concen: 9.525 ppbv
RT: 12.16 min Scan# 2914
Delta R.T. -0.02 min
Lab File: VL035555.D
Acq: 8 Sep 2020 13:55

Instrument :
MSVOA_L
ClientSampleId :
VL0908ABS01

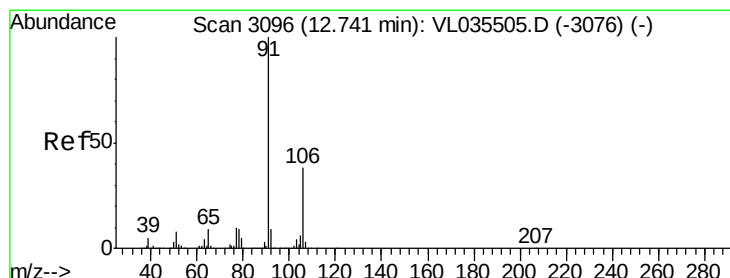
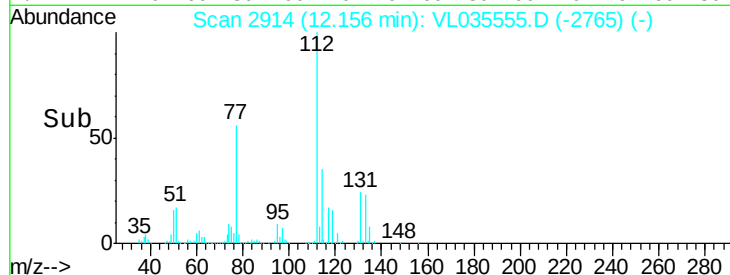
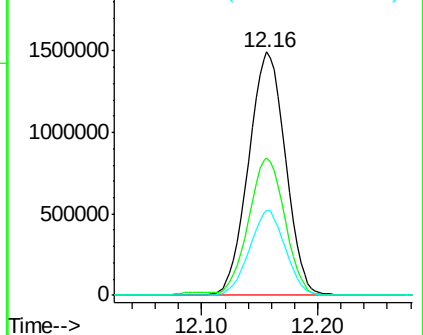
Tot Ion	Ratio	Lower	Upper
112	100		
77	56.3	44.2	66.4
114	35.0	31.6	38.6

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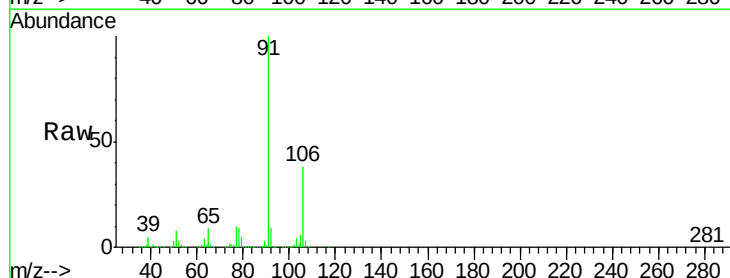


Abundance Ion 112.10 (111.80 to 112.80): V
Ion 77.10 (76.80 to 77.80): VL0
Ion 114.10 (113.80 to 114.80): V

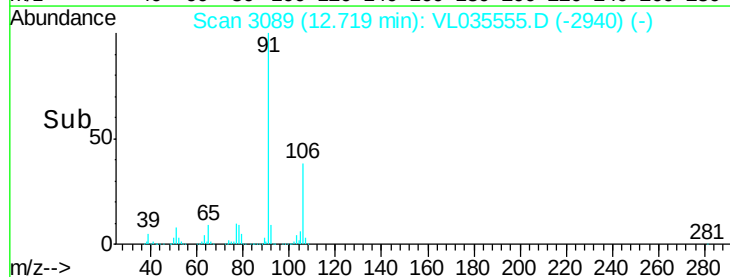
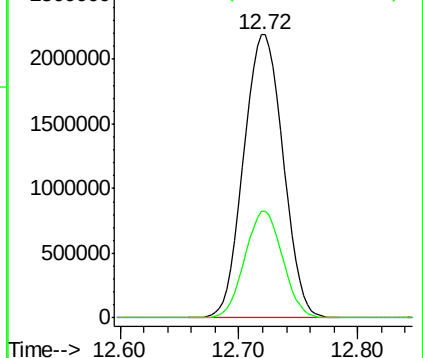


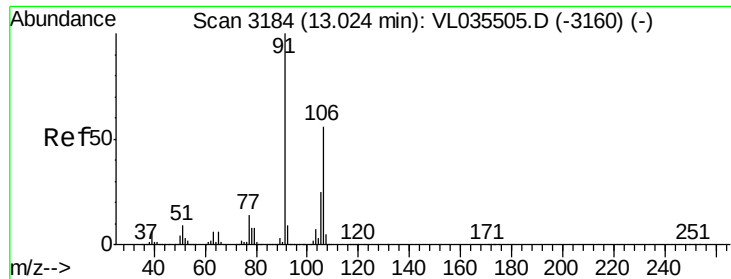
#58
Ethyl Benzene
Concen: 10.322 ppbv
RT: 12.72 min Scan# 3089
Delta R.T. -0.02 min
Lab File: VL035555.D
Acq: 8 Sep 2020 13:55

Tgt Ion	Ratio	Lower	Upper
91	100		
106	37.6	30.3	45.5



Abundance Ion 91.10 (90.80 to 91.80): VL0
Ion 106.10 (105.80 to 106.80): V





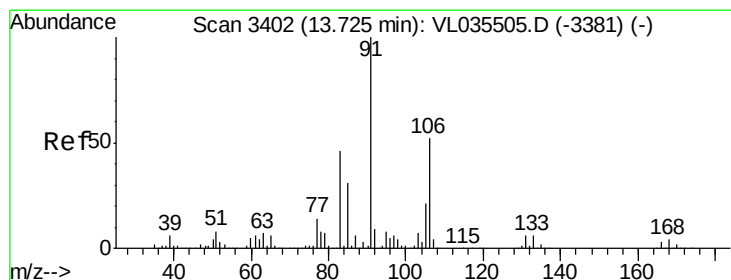
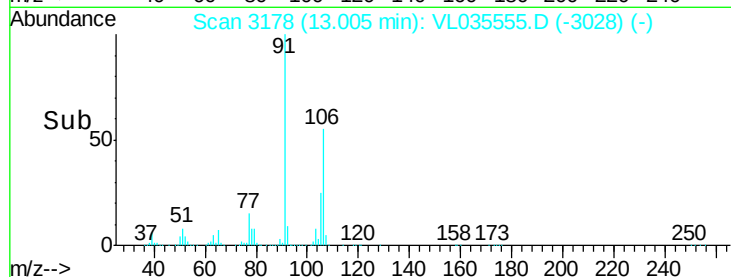
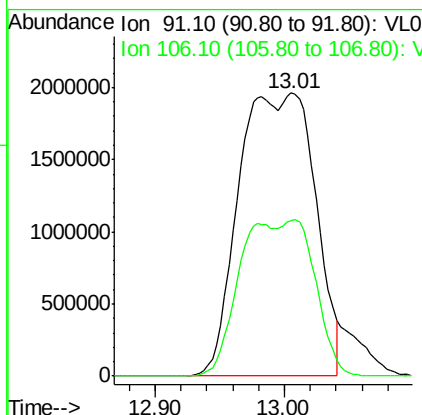
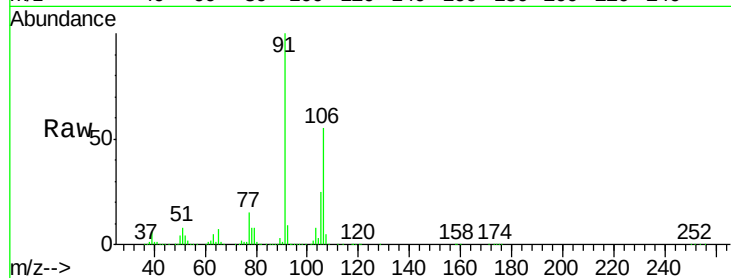
#59
m/p-Xylene
Concen: 19.704 ppbv m
RT: 13.01 min Scan# 3178
Delta R.T. -0.02 min
Lab File: VL035555.D
Acq: 8 Sep 2020 13:55

Instrument :
MSVOA_L
ClientSampleId :
VL0908ABS01

Tot Ion: 91 Resp: 8035222
Ion Ratio Lower Upper
91 100
106 54.3 43.4 65.2

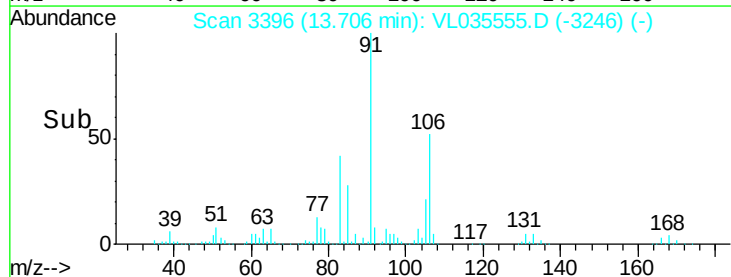
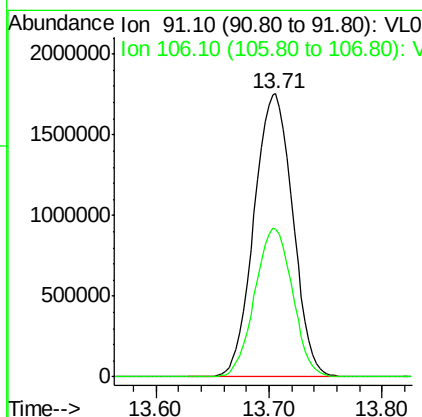
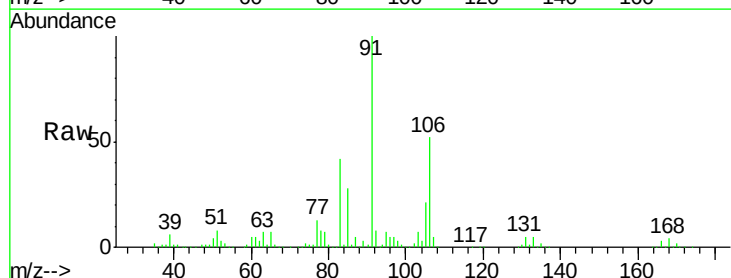
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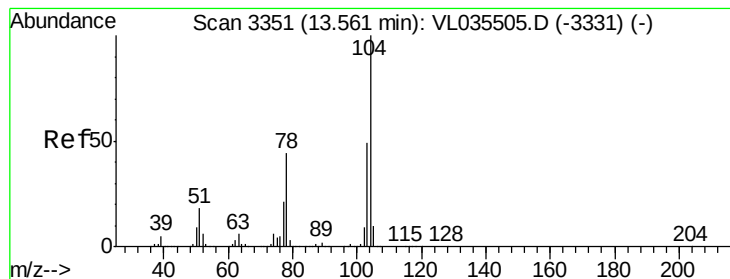
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#60
o-Xylene
Concen: 10.129 ppbv
RT: 13.71 min Scan# 3396
Delta R.T. -0.02 min
Lab File: VL035555.D
Acq: 8 Sep 2020 13:55

Tgt Ion: 91 Resp: 4160094
Ion Ratio Lower Upper
91 100
106 51.3 25.8 77.4





#61

Stvrene

Concen: 10.854 ppbv

RT: 13.54 min Scan# 3344

Delta R.T. -0.02 min

Lab File: VL035555.D

Acq: 8 Sep 2020 13:55

Instrument :

MSVOA_L

ClientSampleId :

VL0908ABS01

Tot Ion:104 Resp: 3409261

Ion Ratio Lower Upper

104 100

78 44.0 34.8 52.2

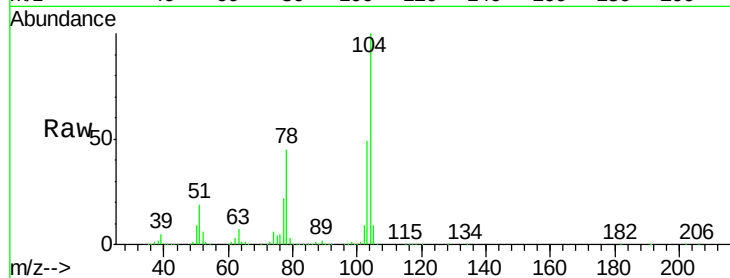
103 47.8 38.2 57.4

Manual Integrations

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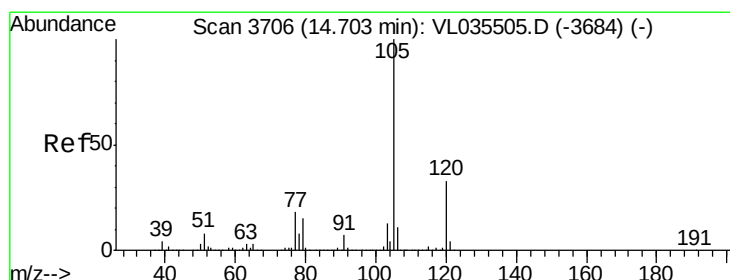
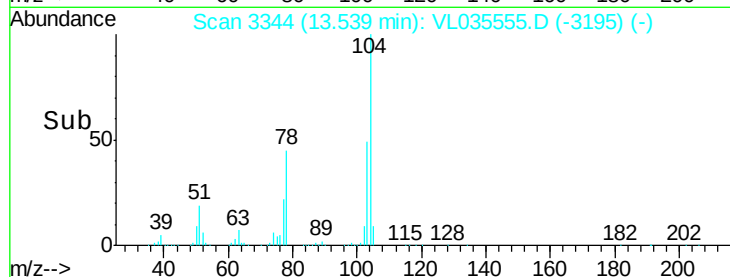
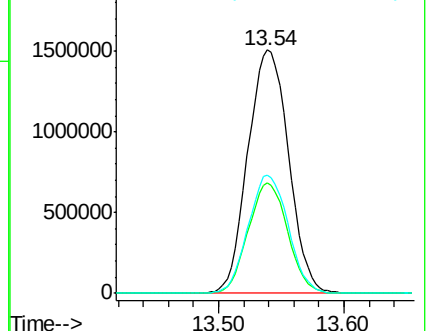
9/10/2020 10:45:12 AM



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: 9.707 ppbv

RT: 14.68 min Scan# 3700

Delta R.T. -0.02 min

Lab File: VL035555.D

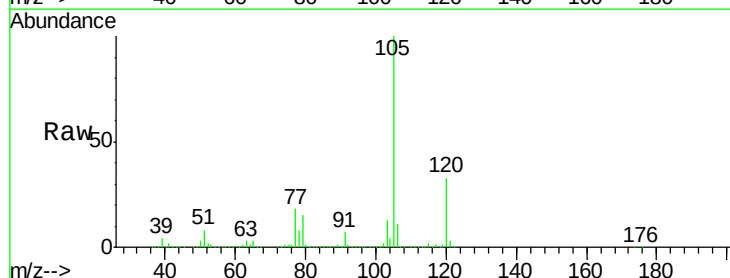
Acq: 8 Sep 2020 13:55

Tgt Ion:105 Resp: 6403966

Ion Ratio Lower Upper

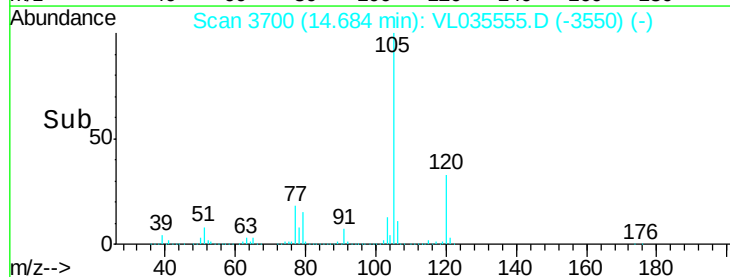
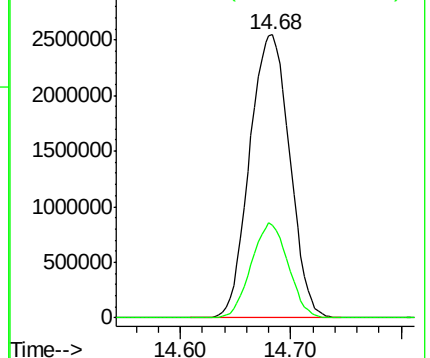
105 100

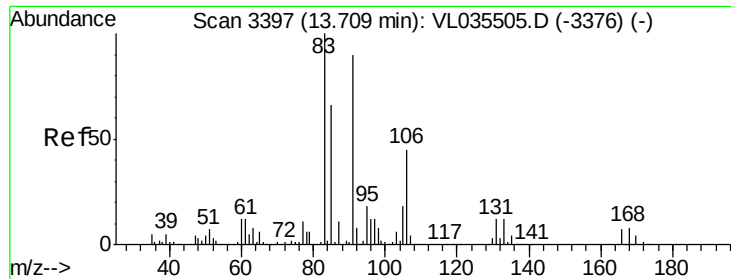
120 30.9 25.0 37.4



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V





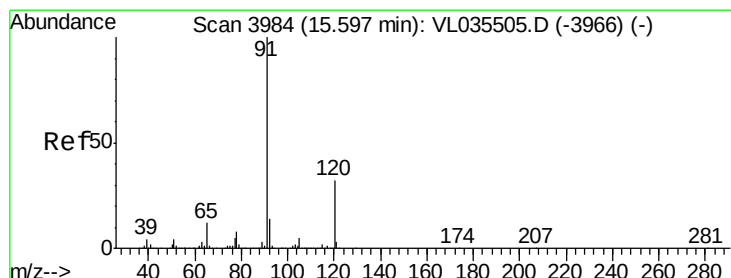
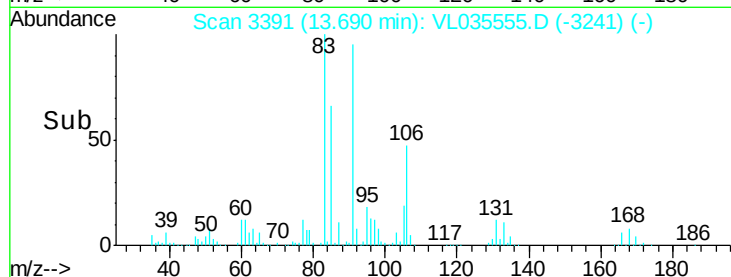
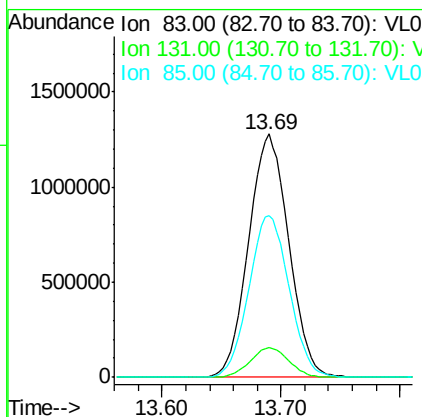
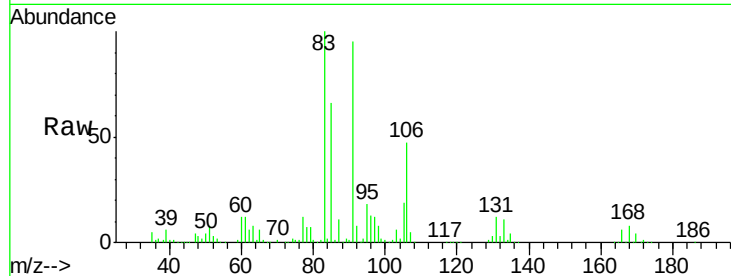
#63
 1,1,2,2-Tetrachloroethane
 Concen: 9.380 ppbv
 RT: 13.69 min Scan# 3391
 Delta R.T. -0.02 min
 Lab File: VL035555.D
 Acq: 8 Sep 2020 13:55

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0908ABS01

Tot Ion: 83 Resp: 2986897
 Ion Ratio Lower Upper
 83 100
 131 11.8 6.0 18.0
 85 66.9 33.4 100.2

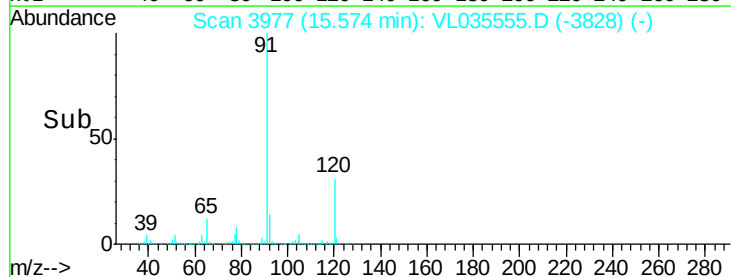
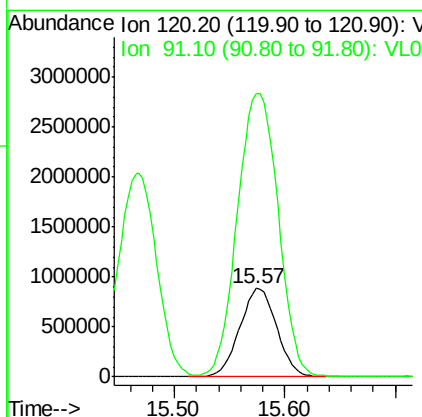
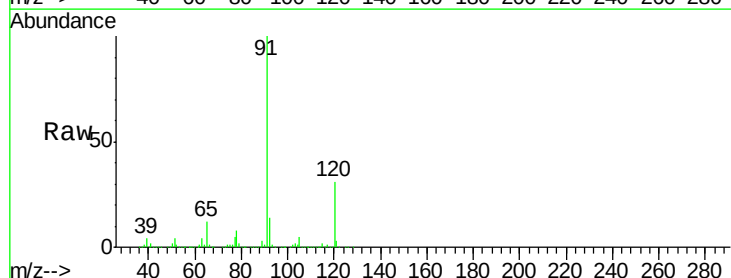
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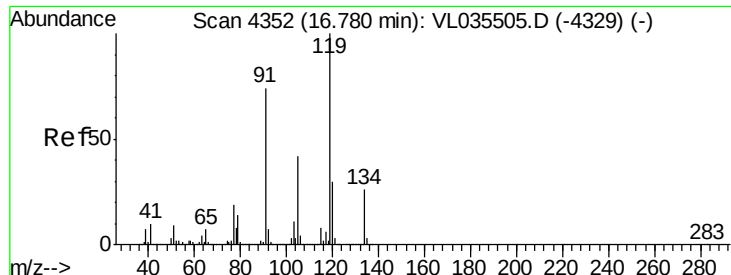
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#64
 n-propylbenzene
 Concen: 10.189 ppbv
 RT: 15.57 min Scan# 3977
 Delta R.T. -0.02 min
 Lab File: VL035555.D
 Acq: 8 Sep 2020 13:55

Tgt Ion: 120 Resp: 2051356
 Ion Ratio Lower Upper
 120 100
 91 356.3 279.4 419.0





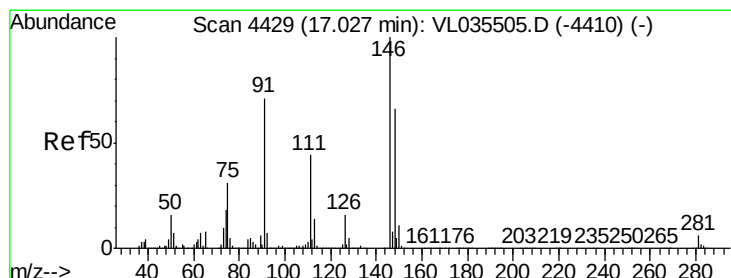
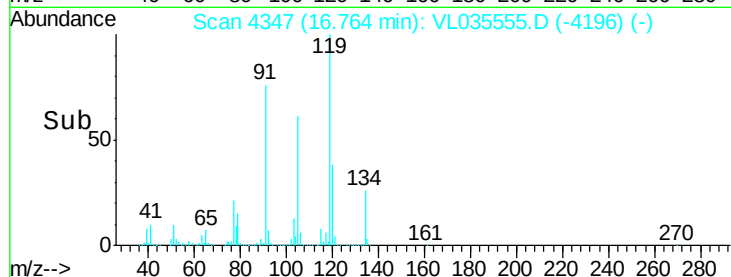
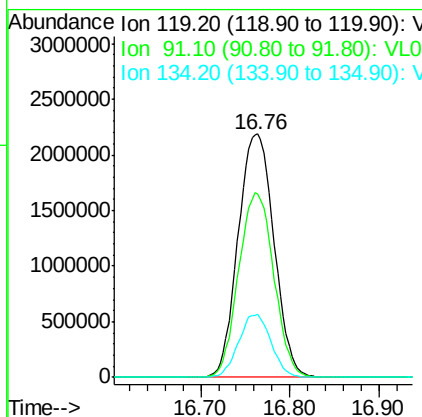
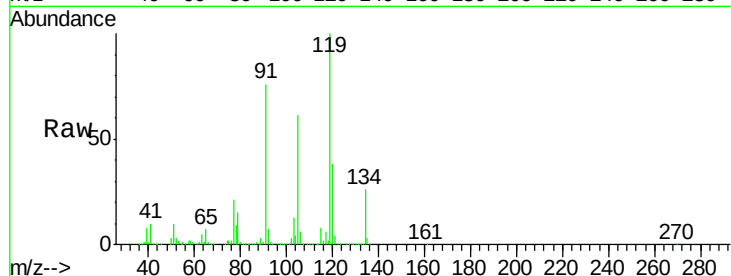
#65
tert-Butylbenzene
Concen: 9.977 ppbv
RT: 16.76 min Scan# 4347
Delta R.T. -0.02 min
Lab File: VL035555.D
Acq: 8 Sep 2020 13:55

Instrument :
MSVOA_L
ClientSampleId :
VL0908ABS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	74.4	58.6	87.8
134	23.3	18.9	28.3

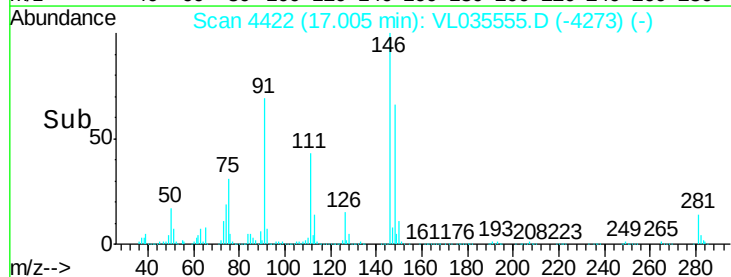
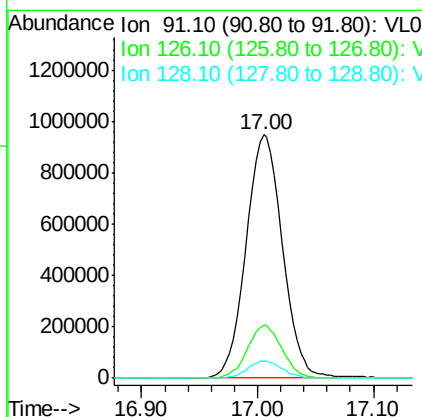
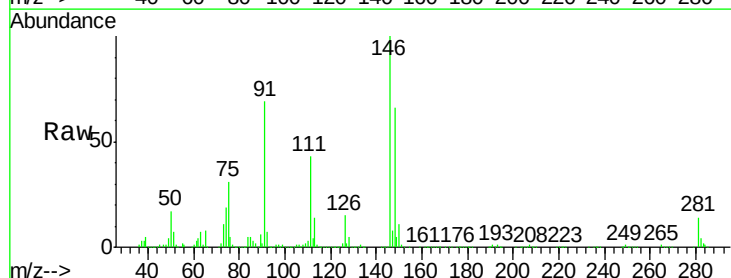
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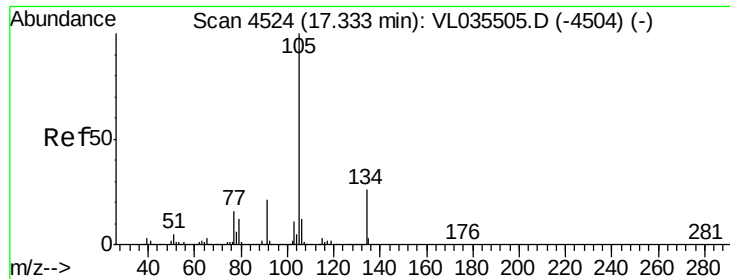
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#66
Benzyl Chloride
Concen: 13.565 ppbv
RT: 17.00 min Scan# 4422
Delta R.T. -0.02 min
Lab File: VL035555.D
Acq: 8 Sep 2020 13:55

Tgt Ion	Ratio	Lower	Upper
91	100		
126	20.9	17.2	25.8
128	6.7	5.5	8.3





#67

sec-Butylbenzene

Concen: 9.797 ppbv

RT: 17.31 min Scan# 4517

Delta R.T. -0.02 min

Lab File: VL035555.D

Acq: 8 Sep 2020 13:55

Instrument :

MSVOA_L

ClientSampleId :

VL0908ABS01

Tot Ion:105 Resp: 8005137

Ion Ratio Lower Upper

105 100

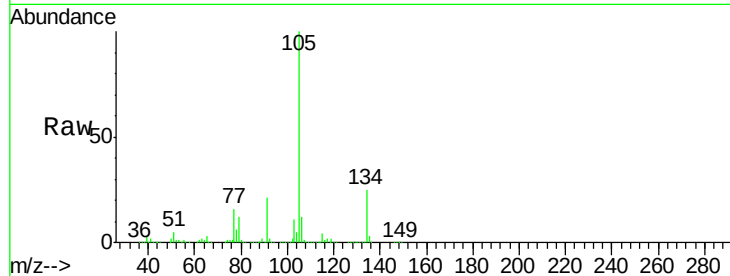
134 23.2 19.1 28.7

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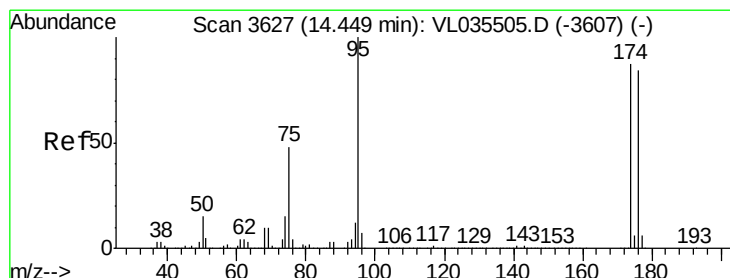
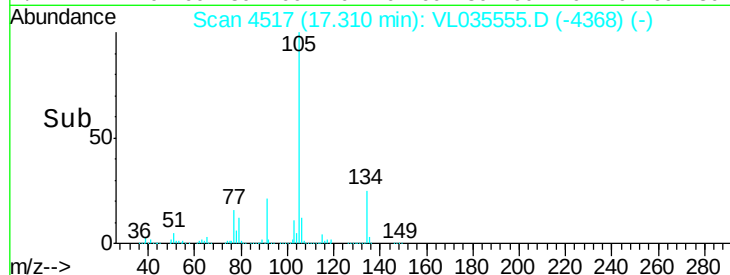
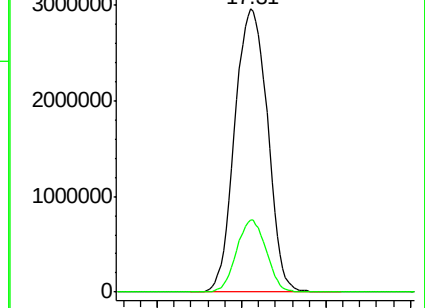
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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V



#68

1-Bromo-4-Fluorobenzene

Concen: 10.264 ppbv

RT: 14.43 min Scan# 3621

Delta R.T. -0.02 min

Lab File: VL035555.D

Acq: 8 Sep 2020 13:55

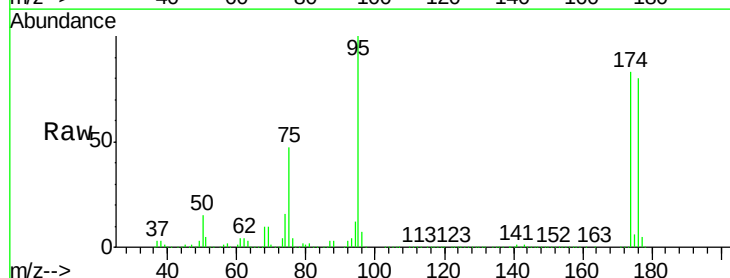
Tgt Ion: 95 Resp: 3449408

Ion Ratio Lower Upper

95 100

174 83.6 69.6 104.4

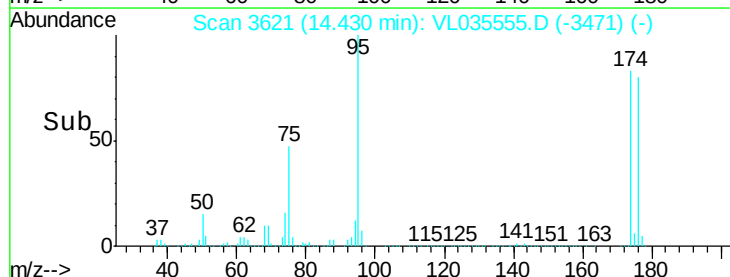
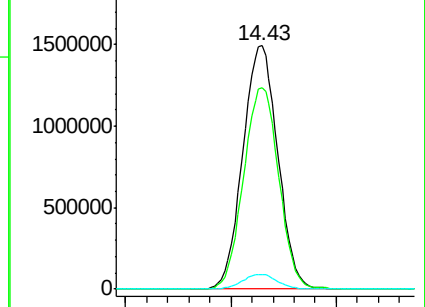
175 6.0 5.1 7.7

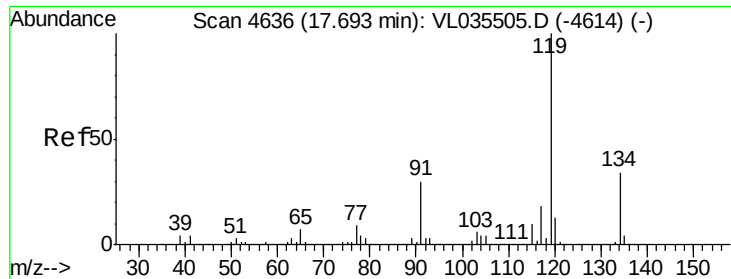


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V





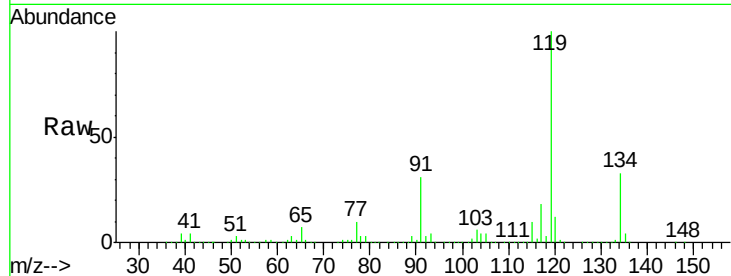
#69
 p-Isopropyltoluene
 Concen: 9.834 ppbv
 RT: 17.67 min Scan# 4629
 Delta R.T. -0.02 min
 Lab File: VL035555.D
 Acq: 8 Sep 2020 13:55

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0908ABS01

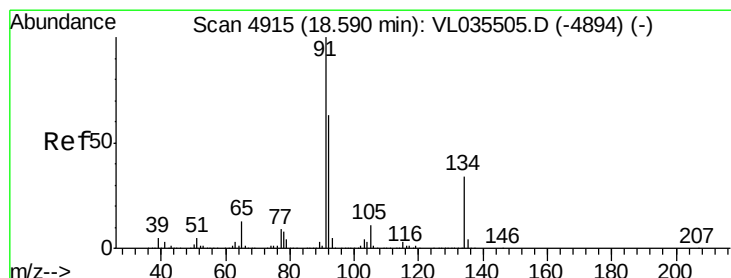
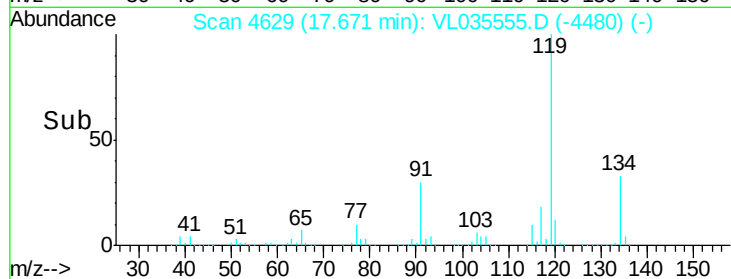
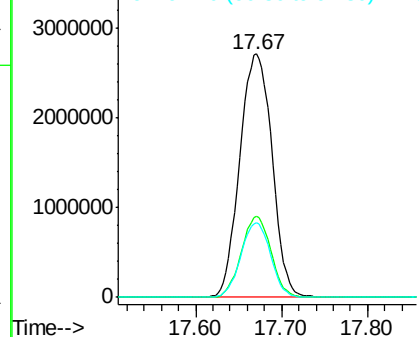
Tot Ion	Ratio	Lower	Upper
119	100		
134	30.6	25.0	37.4
91	28.3	22.3	33.5

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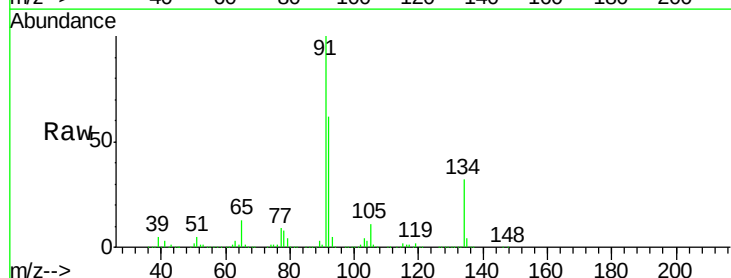


Abundance Ion 119.10 (118.80 to 119.80): V
 Ion 134.20 (133.90 to 134.90): V
 Ion 91.10 (90.80 to 91.80): V

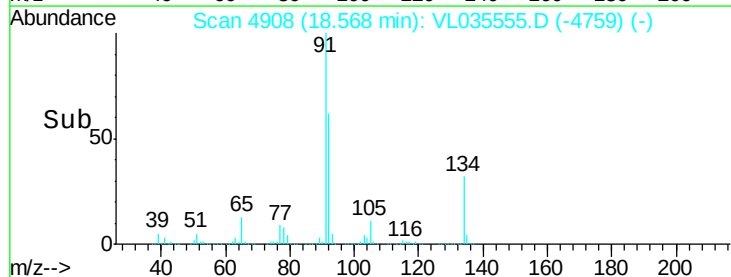
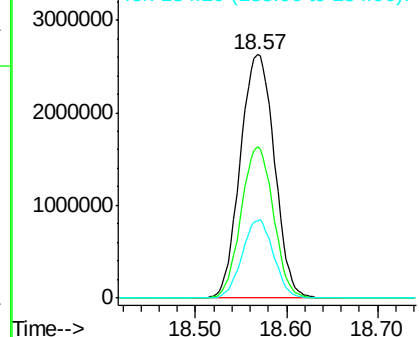


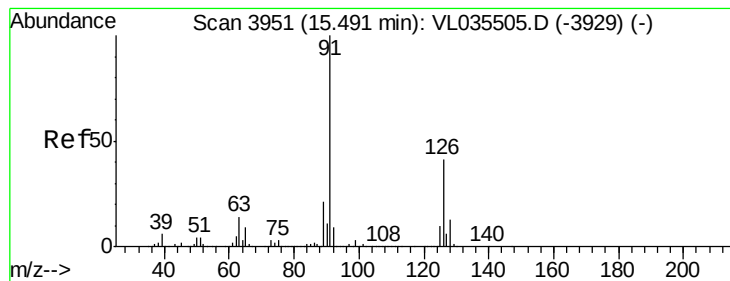
#70
 n-Butylbenzene
 Concen: 9.899 ppbv
 RT: 18.57 min Scan# 4908
 Delta R.T. -0.02 min
 Lab File: VL035555.D
 Acq: 8 Sep 2020 13:55

Tgt Ion	Ratio	Lower	Upper
91	100		
92	58.9	47.3	70.9
134	29.8	24.6	37.0



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





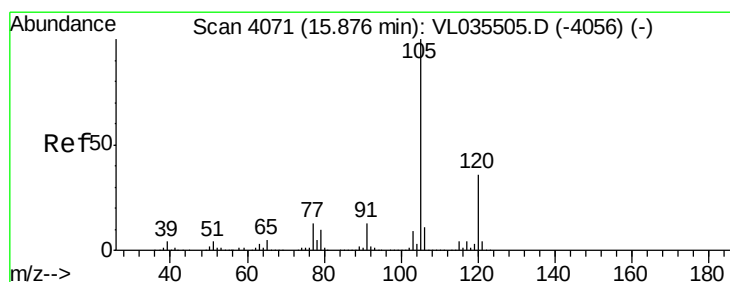
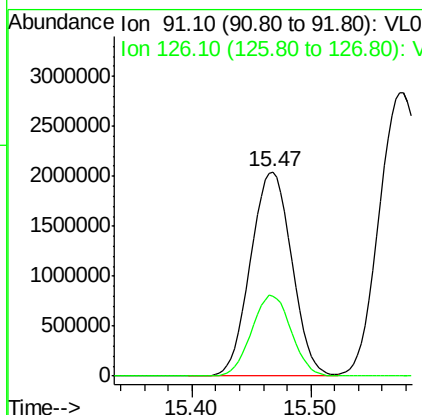
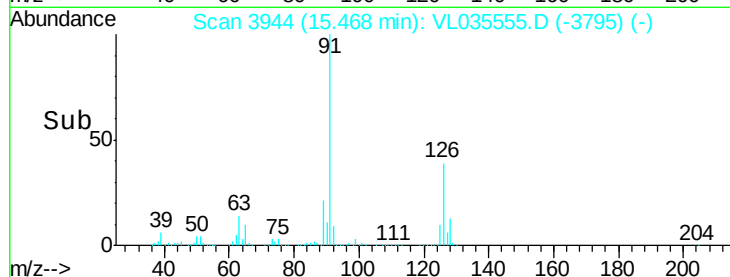
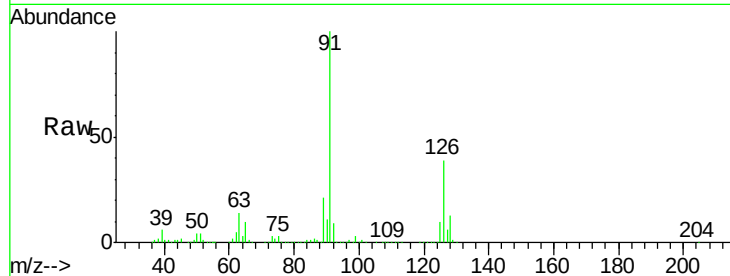
#71
 2-Chlorotoluene
 Concen: 10.215 ppbv
 RT: 15.47 min Scan# 3944
 Delta R.T. -0.02 min
 Lab File: VL035555.D
 Acq: 8 Sep 2020 13:55

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0908ABS01

Tot Ion: 91 Resp: 4907704
 Ion Ratio Lower Upper
 91 100
 126 38.3 15.6 62.6

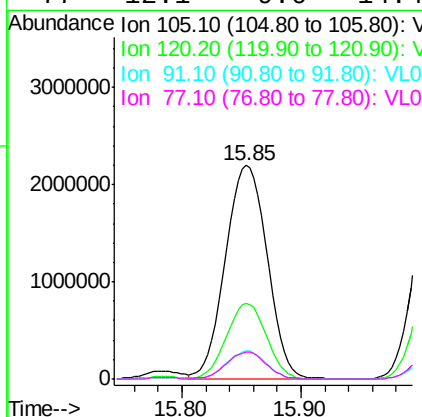
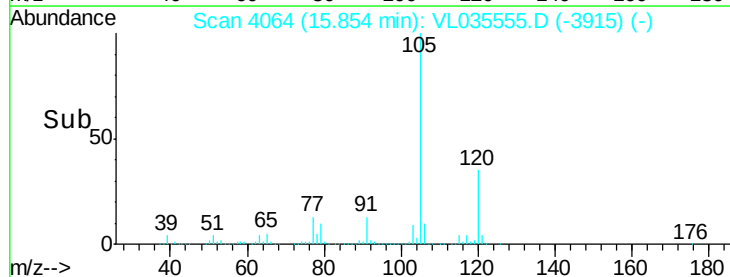
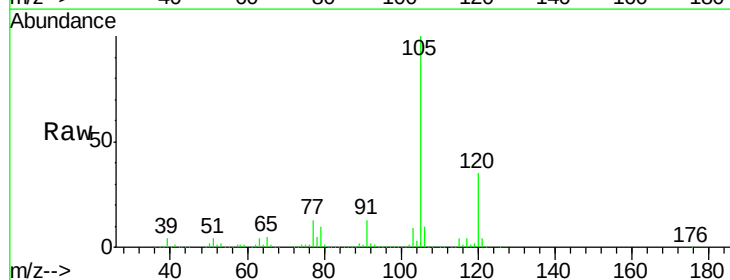
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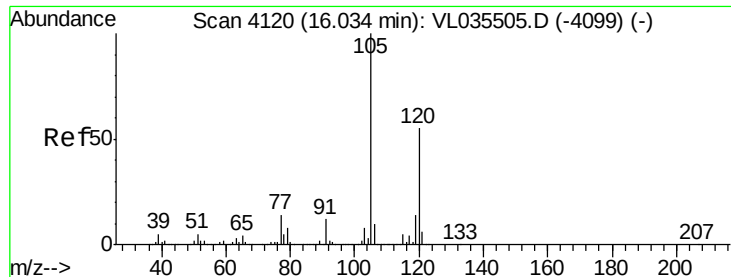
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#72
 4-Ethyltoluene
 Concen: 10.216 ppbv
 RT: 15.85 min Scan# 4064
 Delta R.T. -0.02 min
 Lab File: VL035555.D
 Acq: 8 Sep 2020 13:55

Tgt Ion: 105 Resp: 5334124
 Ion Ratio Lower Upper
 105 100
 120 34.0 27.4 41.2
 91 12.3 9.7 14.5
 77 12.1 9.6 14.4





#73

1,3,5-Trimethylbenzene

Concen: 10.298 ppbv

RT: 16.01 min Scan# 4114

Delta R.T. -0.02 min

Lab File: VL035555.D

Acq: 8 Sep 2020 13:55

Instrument :

MSVOA_L

ClientSampleId :

VL0908ABS01

Tot Ion:105 Resp: 4973421

Ion Ratio Lower Upper

105 100

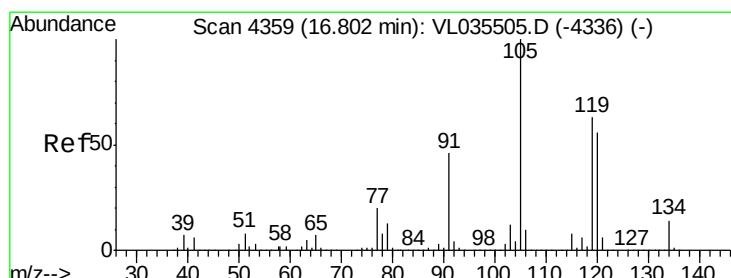
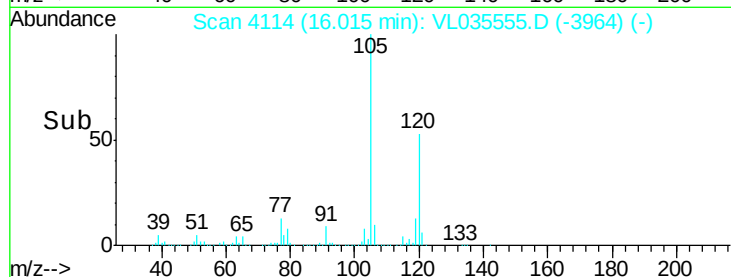
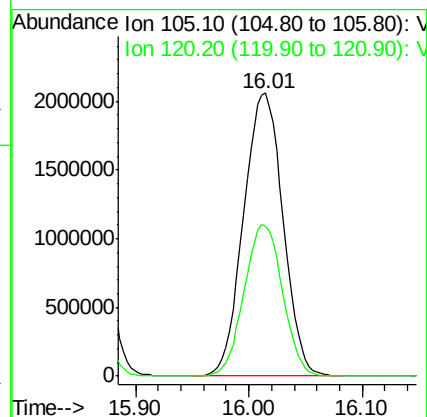
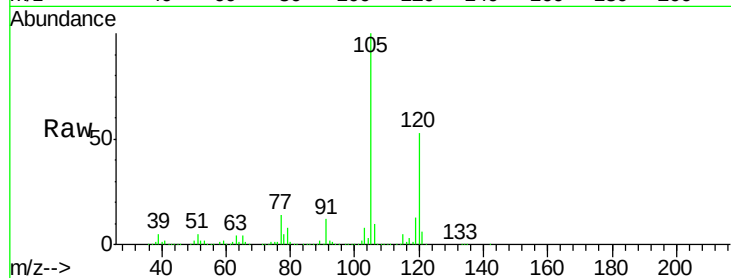
120 53.2 44.2 66.2

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#74

1,2,4-Trimethylbenzene

Concen: 9.756 ppbv

RT: 16.78 min Scan# 4352

Delta R.T. -0.02 min

Lab File: VL035555.D

Acq: 8 Sep 2020 13:55

Tgt Ion:105 Resp: 5174254

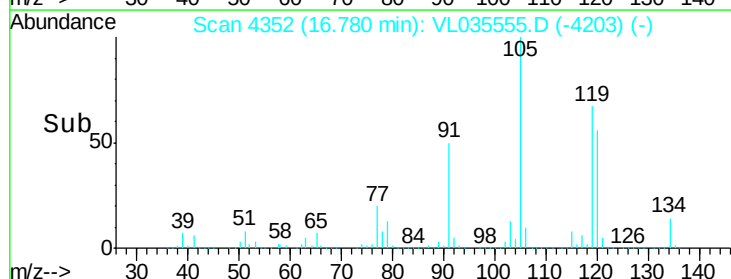
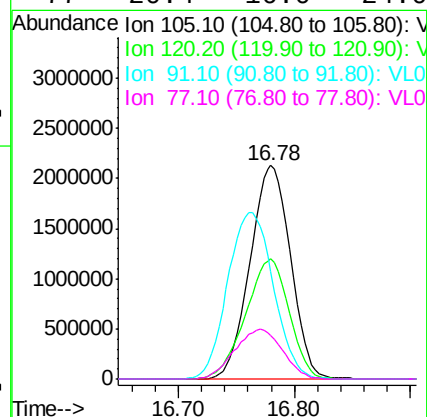
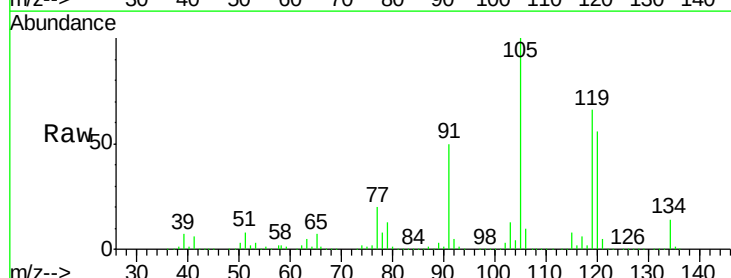
Ion Ratio Lower Upper

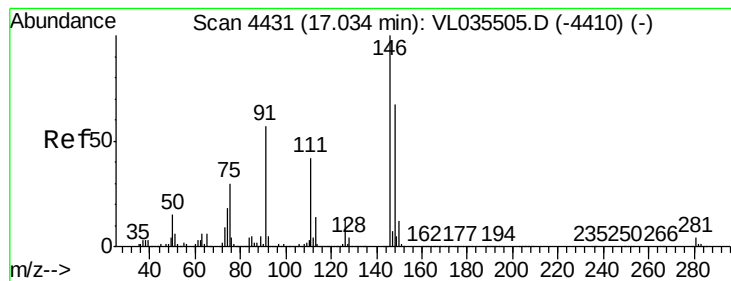
105 100

120 56.2 44.4 66.6

91 50.0 37.1 55.7

77 20.4 16.0 24.0





#75

1,3-Dichlorobenzene

Concen: 9.505 ppbv

RT: 17.01 min Scan# 4425

Delta R.T. -0.02 min

Lab File: VL035555.D

Acq: 8 Sep 2020 13:55

Instrument :

MSVOA_L

ClientSampleId :

VL0908ABS01

Tot Ion:146 Resp: 3733854

Ion Ratio Lower Upper

146 100

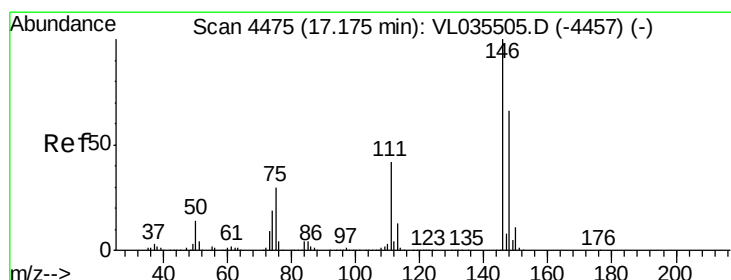
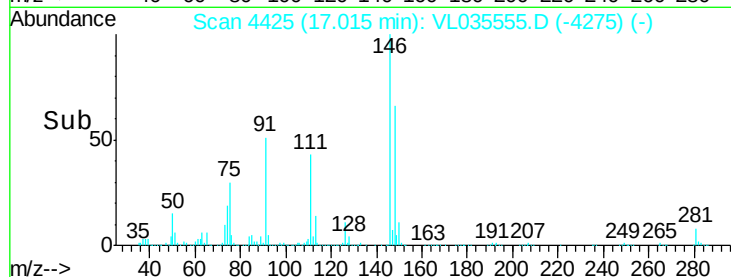
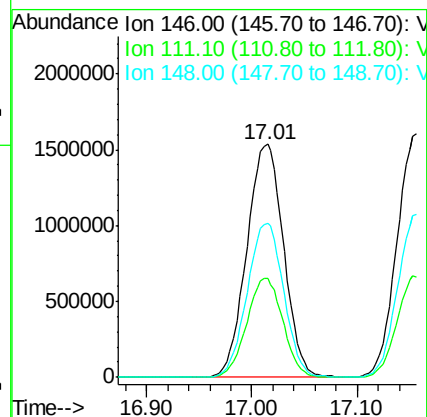
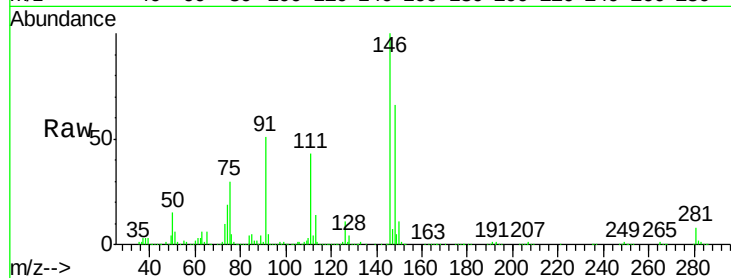
111 41.7 20.7 62.1

148 65.7 33.0 98.9

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#76

1,4-Dichlorobenzene

Concen: 9.709 ppbv

RT: 17.16 min Scan# 4469

Delta R.T. -0.02 min

Lab File: VL035555.D

Acq: 8 Sep 2020 13:55

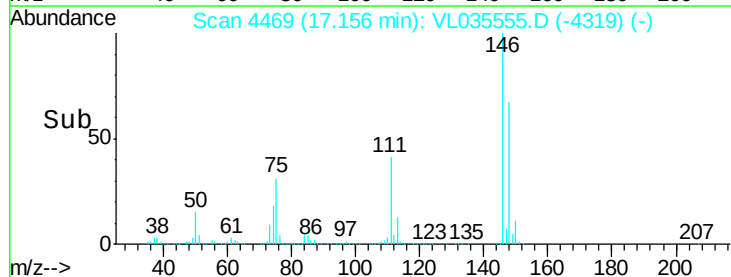
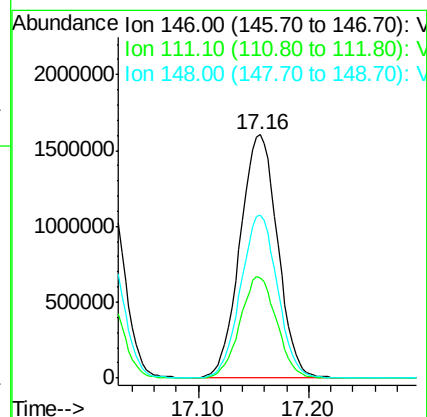
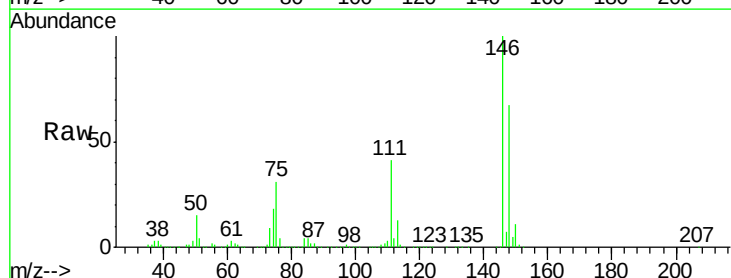
Tgt Ion:146 Resp: 3761476

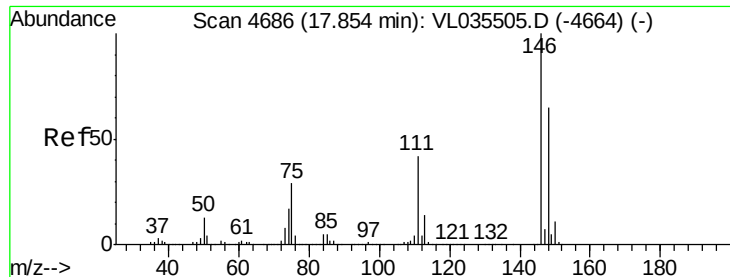
Ion Ratio Lower Upper

146 100

111 40.9 20.0 60.0

148 66.1 33.2 99.6





#77

1,2-Dichlorobenzene

Concen: 9.680 ppbv

RT: 17.83 min Scan# 4680

Delta R.T. -0.02 min

Lab File: VL035555.D

Acq: 8 Sep 2020 13:55

Instrument :

MSVOA_L

ClientSampleId :

VL0908ABS01

Tot Ion:146 Resp: 3684220

Ion Ratio Lower Upper

146 100

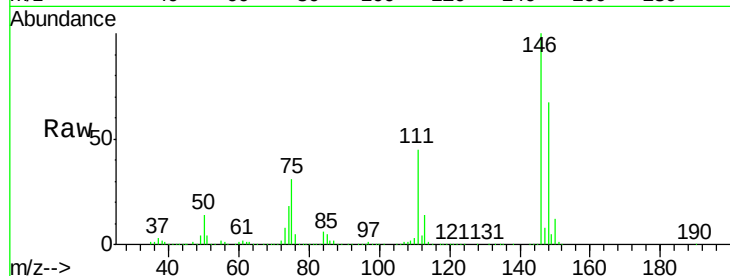
111 43.2 21.1 63.3

148 65.8 32.9 98.7

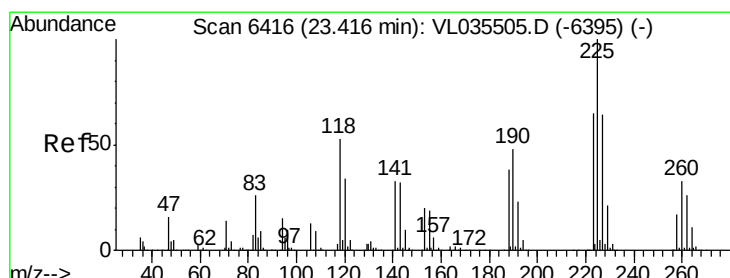
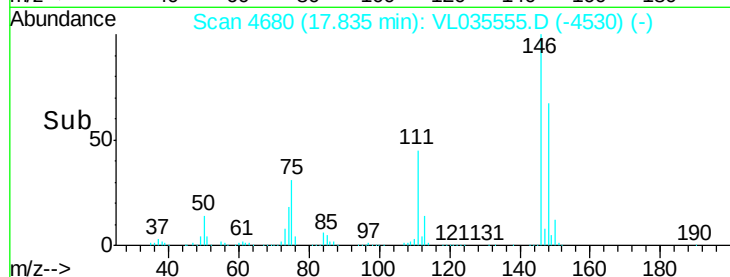
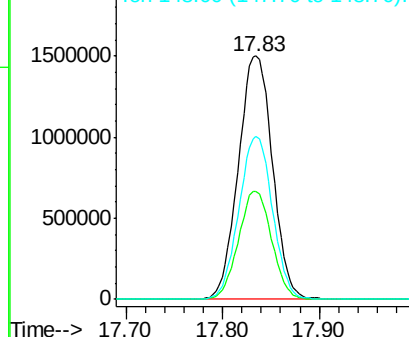
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Abundance Ion 146.00 (145.70 to 146.70): V
Ion 111.10 (110.80 to 111.80): V
Ion 148.00 (147.70 to 148.70): V



#78

Hexachloro-1,3-Butadiene

Concen: 9.834 ppbv

RT: 23.39 min Scan# 6409

Delta R.T. -0.02 min

Lab File: VL035555.D

Acq: 8 Sep 2020 13:55

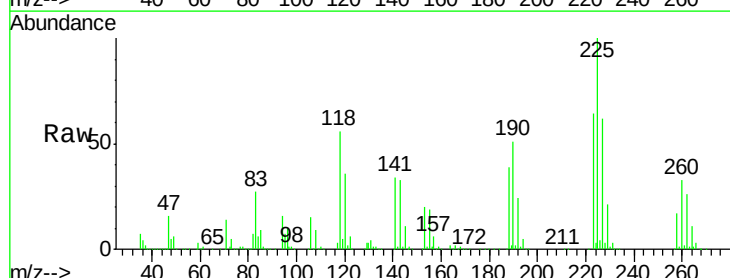
Tgt Ion:225 Resp: 2389559

Ion Ratio Lower Upper

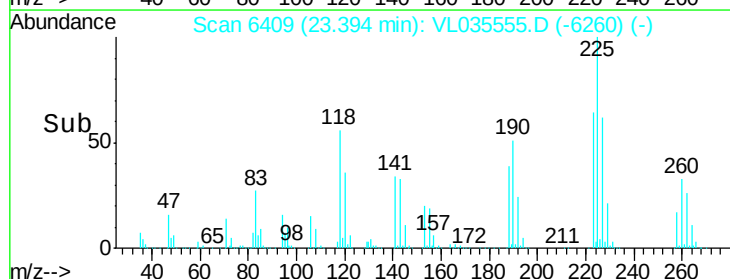
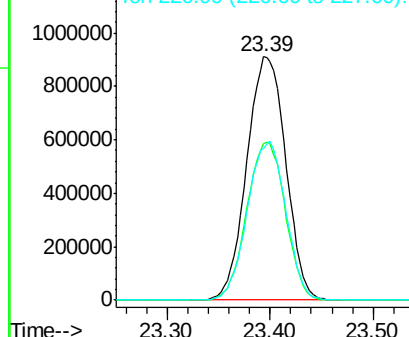
225 100

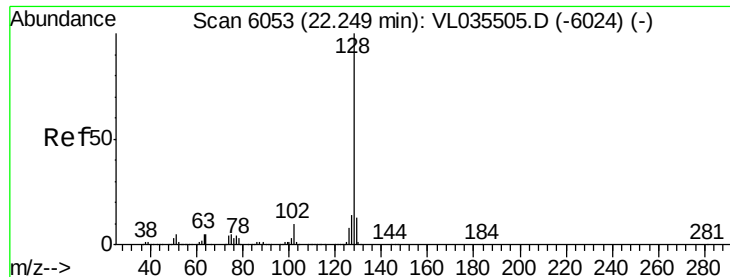
223 64.3 51.7 77.5

227 64.3 51.5 77.3



Abundance Ion 224.90 (224.60 to 225.60): V
Ion 222.90 (222.60 to 223.60): V
Ion 226.90 (226.60 to 227.60): V





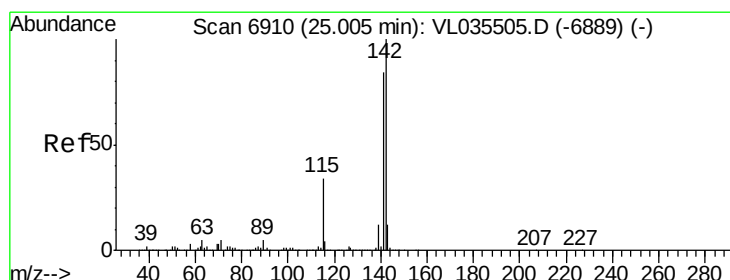
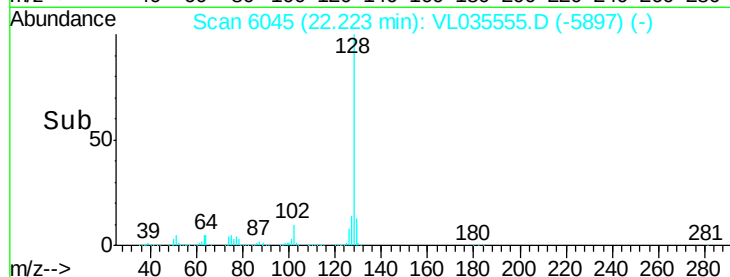
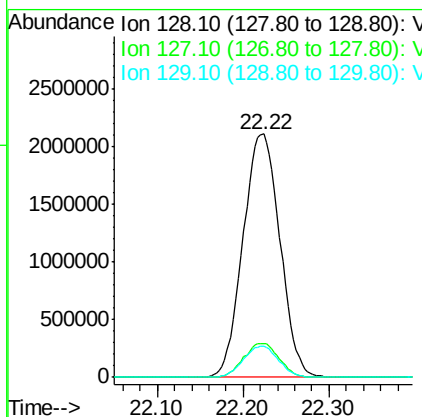
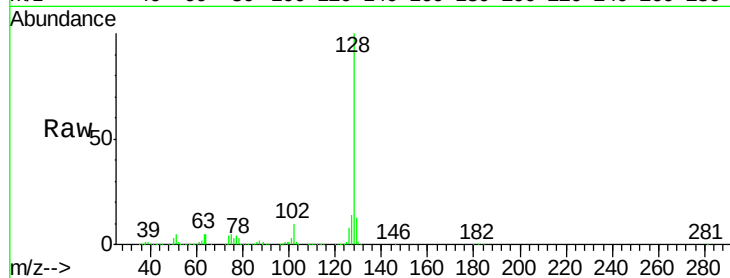
#79
Naphthalene
Concen: 10.713 ppbv
RT: 22.22 min Scan# 6045
Delta R.T. -0.03 min
Lab File: VL035555.D
Acq: 8 Sep 2020 13:55

Instrument :
MSVOA_L
ClientSampleId :
VL0908ABS01

Tot Ion:128 Resp: 6304553
Ion Ratio Lower Upper
128 100
127 14.0 11.4 17.2
129 12.7 10.5 15.7

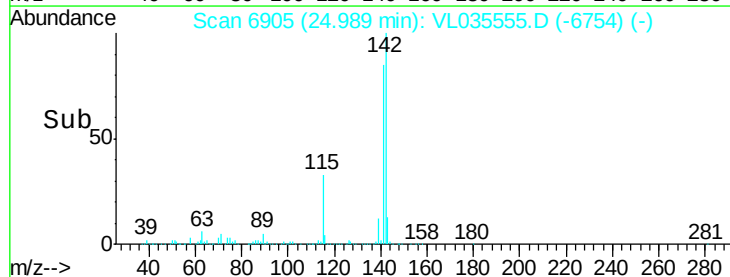
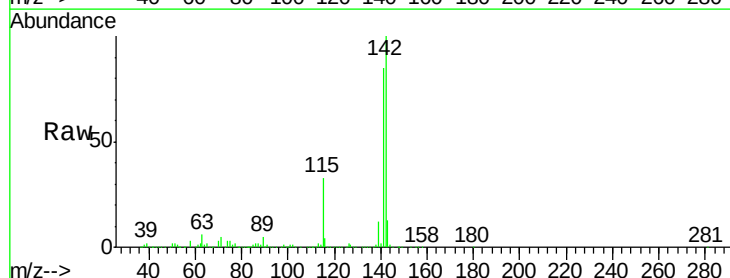
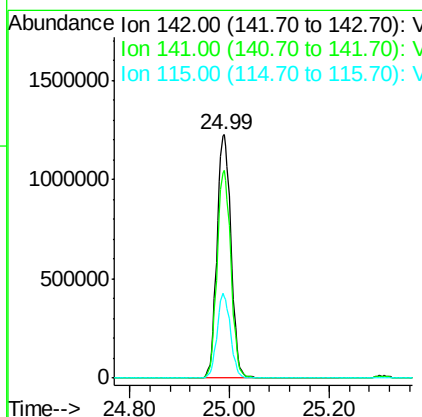
Manual Integrations
APPROVED

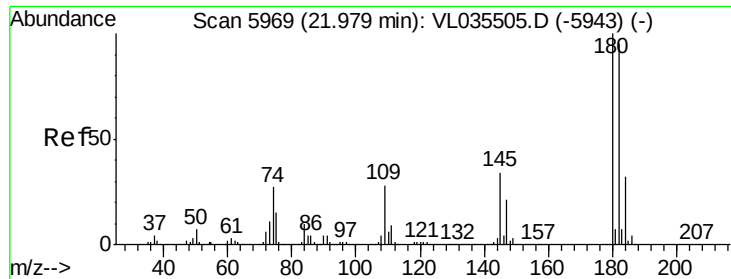
MMDadoda
9/10/2020 10:45:12 AM



#80
Naphthalene, 2-methyl-
Concen: 11.951 ppbv
RT: 24.99 min Scan# 6905
Delta R.T. -0.02 min
Lab File: VL035555.D
Acq: 8 Sep 2020 13:55

Tgt Ion:142 Resp: 2400382
Ion Ratio Lower Upper
142 100
141 84.3 67.6 101.4
115 33.2 25.8 38.8





#81
 1,2,4-Trichlorobenzene
 Concen: 10.210 ppbv
 RT: 21.95 min Scan# 5960
 Delta R.T. -0.03 min
 Lab File: VL035555.D
 Acq: 8 Sep 2020 13:55

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0908ABS01

Tot Ion:	180	Resp:	3598035
Ion	Ratio	Lower	Upper
180	100		
182	95.1	76.3	114.5
184	31.4	25.3	37.9

Manual Integrations
 APPROVED

MMDadoda
 9/10/2020 10:45:12 AM

