

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL090320\
 Data File : VL035529.D
 Acq On : 3 Sep 2020 13:49
 Operator : SY/AP
 Sample : VL0903ABS01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0903ABS01

Manual Integrations
 APPROVED

MMDadoda
 9/8/2020 4:05:41 PM

Quant Time: Sep 04 07:02:02 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	5.69	49	1020072	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.20	114	4471619	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.12	117	4663443m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.46	95	3322128	10.03	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.30%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.05	85	1740509	9.846	ppbv 100
3) Chlorodifluoromethane	2.99	51	1174205	10.408	ppbv 100
4) Chloromethane	3.14	50	622494	10.299	ppbv 100
5) Vinyl Chloride	3.26	62	740434	9.936	ppbv 97
6) Bromomethane	3.48	94	658608	10.522	ppbv 98
7) Chloroethane	3.56	64	281830	10.697	ppbv 97
8) Dichlorotetrafluoroethane	3.19	85	2166809	10.121	ppbv 99
9) Propene	3.02	41	460862	10.596	ppbv 99
10) Heptane	8.15	43	1252652	10.723	ppbv 100
11) Trichlorofluoromethane	3.96	101	2608175	10.117	ppbv 99
12) 1,1,2-Trichlorotrifluoroet	4.50	101	1975963	10.155	ppbv 99
13) Ethanol	3.61	45	112866	10.466	ppbv 97
14) Bromoethene	3.75	108	911236	10.880	ppbv 98
15) Acetone	3.86	43	995205	8.846	ppbv 99
16) 1,3-Butadiene	3.33	39	454130	10.843	ppbv 98
17) tert-Butyl alcohol	4.30	59	1490830	10.886	ppbv 100
18) 1,1-Dichloroethene	4.30	96	921837	10.759	ppbv 98
19) Isopropyl Alcohol	3.98	45	743356	11.076	ppbv 100
20) Methylene Chloride	4.36	84	799124	9.537	ppbv 99
21) Allyl Chloride	4.42	41	597973	11.345	ppbv 99
22) trans-1,2-Dichloroethene	4.90	96	964308	10.572	ppbv 97
23) Vinyl Acetate	5.09	43	1560861	10.809	ppbv 99
24) 1,1-Dichloroethane	5.03	63	1561560	10.508	ppbv 99
25) Ethyl Acetate	5.70	43	2056918	10.349	ppbv 100
26) Hexane	5.71	57	1186669	10.537	ppbv 98
27) Carbon Disulfide	4.56	76	1948022	12.054	ppbv 99
28) Methyl tert-Butyl Ether	5.05	73	2137494	10.890	ppbv 100
29) Chloroform	5.77	83	2406031	10.486	ppbv 99
30) Cyclohexane	7.15	84	1344974	11.149	ppbv 99
31) cis-1,2-Dichloroethene	5.57	61	1275909	11.043	ppbv 98
32) 1,1,1-Trichloroethane	6.54	97	2394109	10.756	ppbv 100
34) 2-Butanone	5.26	43	1425875	10.745	ppbv 99
35) Carbon Tetrachloride	7.04	117	2512882	11.181	ppbv 100
36) Benzene	6.92	78	3089401	10.673	ppbv 99
37) 1,2-Dichloroethane	6.33	62	1463034	10.602	ppbv 100
38) Trichloroethene	7.86	130	1651978	9.825	ppbv 98
39) 1,2-Dichloropropane	7.64	63	1033188	10.566	ppbv 97
40) 1,4-Dioxane	7.86	88	559947	11.463	ppbv 98
41) Tetrahydrofuran	6.07	42	811934	11.538	ppbv 100
42) Bromodichloromethane	7.82	83	2535451	11.361	ppbv 100
43) Methyl Methacrylate	8.04	69	1280626	11.442	ppbv 100

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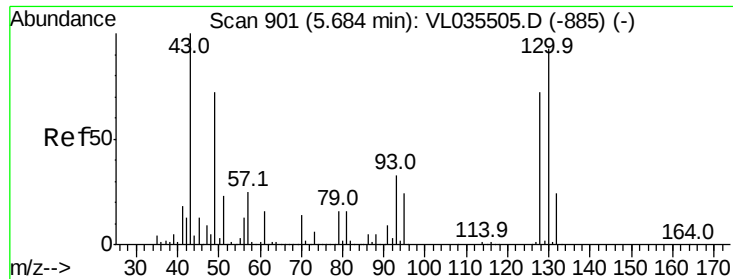
Manual Integrations
 APPROVED

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 9/8/2020 4:05:41 PM

Quant Time: Sep 04 07:02:02 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)
44) 2,2,4-Trimethylpentane	7.90	57	3975702	10.439	ppbv	100
45) t-1,3-Dichloropropene	9.31	75	1449673	12.786	ppbv	99
46) cis-1,3-Dichloropropene	8.73	75	1723673	12.244	ppbv	98
47) 1,1,2-Trichloroethane	9.51	97	1534250	10.634	ppbv	98
48) Dibromochloromethane	10.34	129	2679032	11.798	ppbv	100
49) Bromoform	13.08	173	2565270	12.465	ppbv	100
50) 4-Methyl-2-Pentanone	8.77	43	2128581	11.077	ppbv	99
51) 2-Hexanone	10.17	43	1834972	11.641	ppbv	100
52) Tetrachloroethene	11.26	164	1691182	10.001	ppbv	99
53) Toluene	9.84	91	3950564	10.853	ppbv	100
54) 1,2-Dibromoethane	10.65	107	2457912	10.781	ppbv	97
56) 1,1,1,2-Tetrachloroethane	12.16	131	2110020	11.120	ppbv	97
57) Chlorobenzene	12.18	112	3395430	9.893	ppbv	99
58) Ethyl Benzene	12.75	91	5144655	10.698	ppbv	99
59) m/p-Xylene	13.04	91	8301905m	20.660	ppbv	
60) o-Xylene	13.73	91	4255390	10.515	ppbv	100
61) Styrene	13.56	104	3494053	11.288	ppbv	100
62) Isopropylbenzene	14.71	105	6560218	10.091	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.72	83	3046738	9.710	ppbv	100
64) n-propylbenzene	15.61	120	2113938	10.655	ppbv	99
65) tert-Butylbenzene	16.79	119	6269455	10.374	ppbv	99
66) Benzyl Chloride	17.03	91	2143361	14.271	ppbv	99
67) sec-Butylbenzene	17.34	105	8131697	10.100	ppbv	99
69) p-Isopropyltoluene	17.70	119	7159654	10.137	ppbv	100
70) n-Butylbenzene	18.60	91	6946320	10.211	ppbv	100
71) 2-Chlorotoluene	15.49	91	5023073	10.610	ppbv	100
72) 4-Ethyltoluene	15.88	105	5454155	10.600	ppbv	100
73) 1,3,5-Trimethylbenzene	16.04	105	5084499	10.684	ppbv	100
74) 1,2,4-Trimethylbenzene	16.81	105	5285792	10.114	ppbv	99
75) 1,3-Dichlorobenzene	17.04	146	3850038	9.945	ppbv	100
76) 1,4-Dichlorobenzene	17.18	146	3866706	10.128	ppbv	100
77) 1,2-Dichlorobenzene	17.86	146	3801284	10.135	ppbv	100
78) Hexachloro-1,3-Butadiene	23.43	225	2466869	10.302	ppbv	100
79) Naphthalene	22.26	128	6439891	11.106	ppbv	99
80) Naphthalene, 2-methyl-	25.01	142	2440235	12.329	ppbv	100
81) 1,2,4-Trichlorobenzene	21.98	180	3717513	10.705	ppbv	100

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.69 min Scan# 902

Delta R.T. 0.00 min

Lab File: VL035529.D

Acq: 3 Sep 2020 13:49

Instrument :

MSVOA_L

ClientSampleId :

VL0903ABS01

Tot Ion: 49 Resp: 1020072

Ion Ratio Lower Upper

49 100

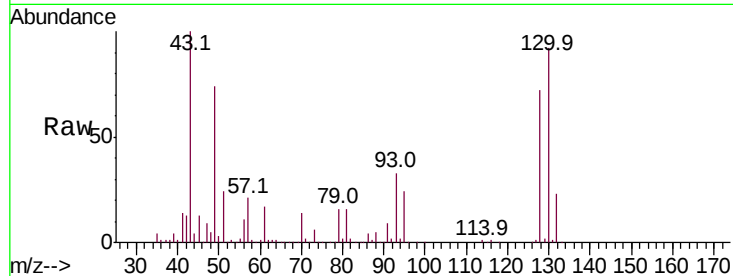
128 98.2 50.0 150.1

130 127.0 64.4 193.2

Manual Integrations
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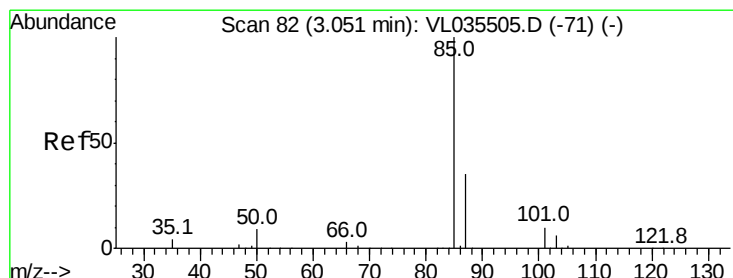
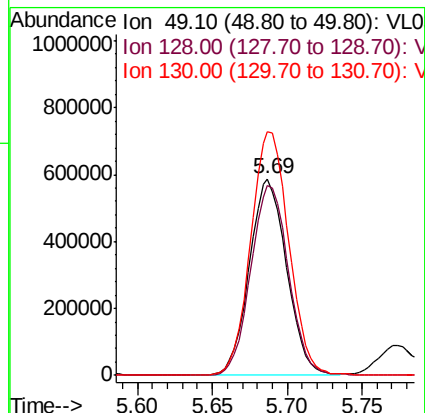
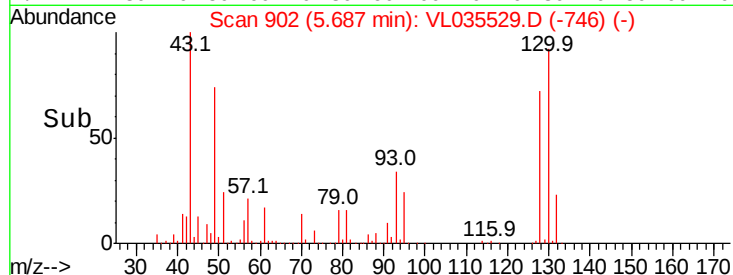


Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V

Time-->



#2

Dichlorodifluoromethane

Concen: 9.846 ppbv

RT: 3.05 min Scan# 83

Delta R.T. 0.00 min

Lab File: VL035529.D

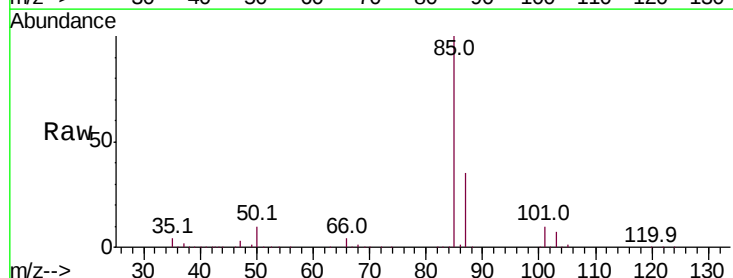
Acq: 3 Sep 2020 13:49

Tgt Ion: 85 Resp: 1740509

Ion Ratio Lower Upper

85 100

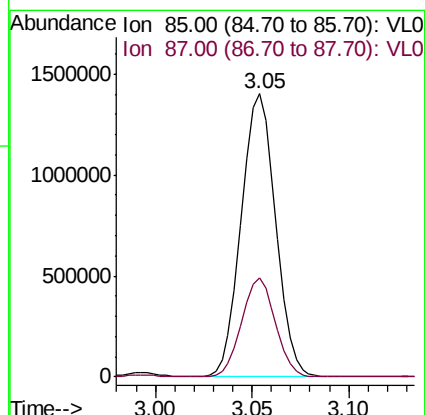
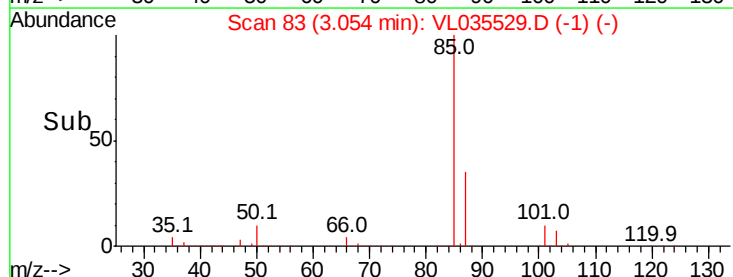
87 34.9 28.0 42.0

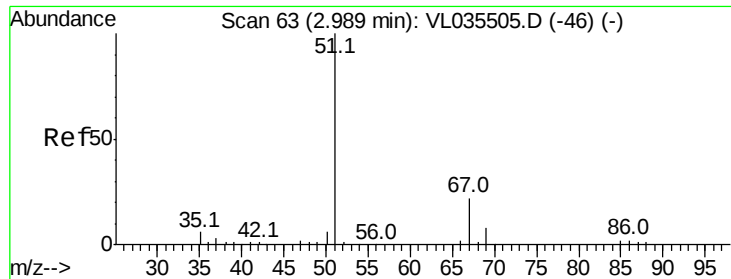


Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

Time-->





#3

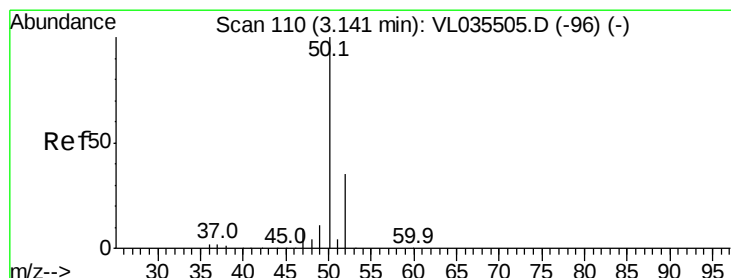
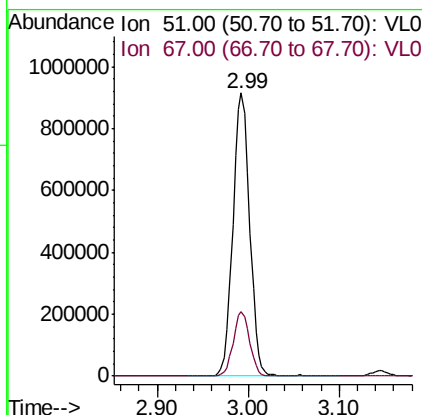
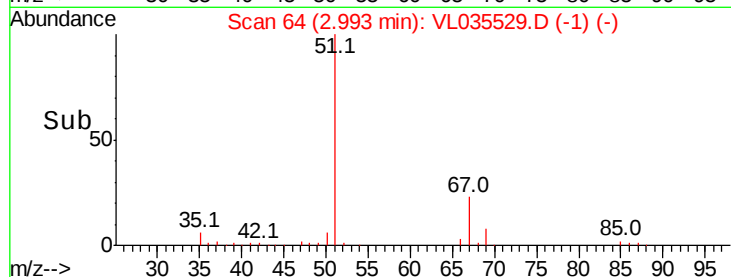
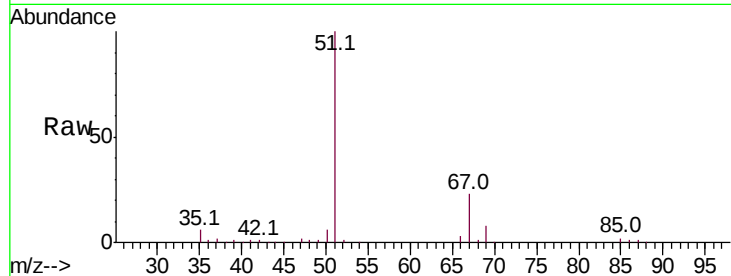
Chlorodifluoromethane
 Concen: 10.408 ppbv
 RT: 2.99 min Scan# 64
 Delta R.T. 0.00 min
 Lab File: VL035529.D
 Acq: 3 Sep 2020 13:49

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0903ABS01

Tot Ion: 51 Resp: 1174205
 Ion Ratio Lower Upper
 51 100
 67 22.5 17.8 26.8

Manual Integrations
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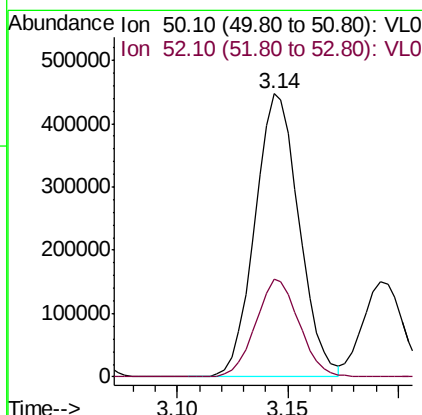
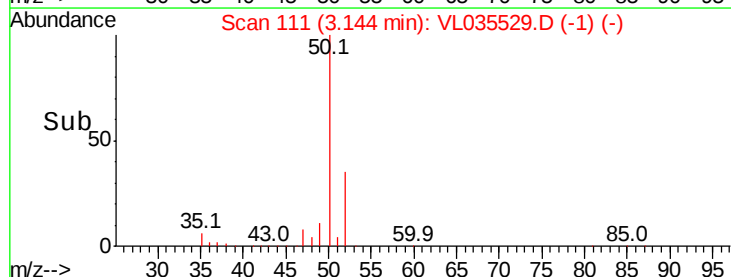
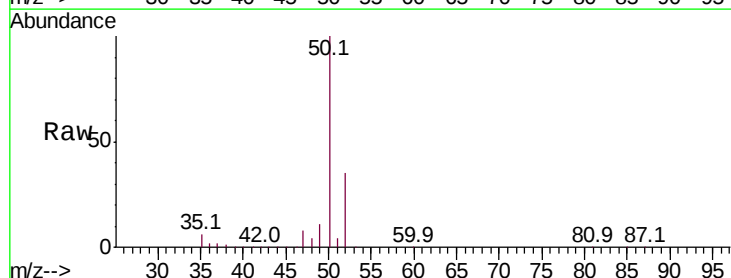
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 9/8/2020 4:05:41 PM

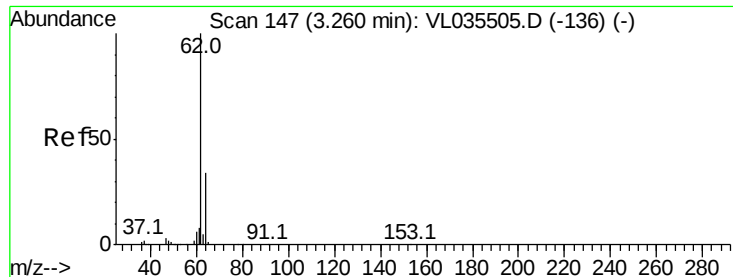


#4

Chloromethane
 Concen: 10.299 ppbv
 RT: 3.14 min Scan# 111
 Delta R.T. 0.00 min
 Lab File: VL035529.D
 Acq: 3 Sep 2020 13:49

Tgt Ion: 50 Resp: 622494
 Ion Ratio Lower Upper
 50 100
 52 34.8 27.7 41.5





#5

Vinyl Chloride

Concen: 9.936 ppbv

RT: 3.26 min Scan# 148

Delta R.T. 0.00 min

Lab File: VL035529.D

Acq: 3 Sep 2020 13:49

Instrument :

MSVOA_L

ClientSampleId :

VL0903ABS01

Tot Ion: 62 Resp: 740434

Ion Ratio Lower Upper

62 100

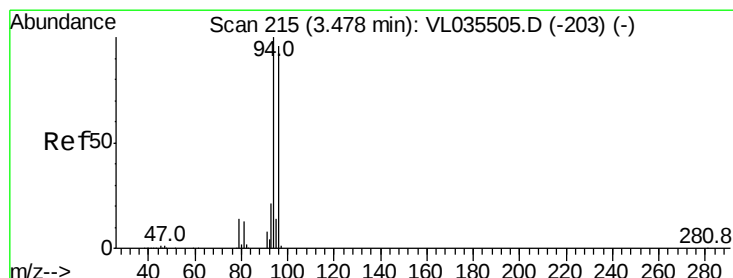
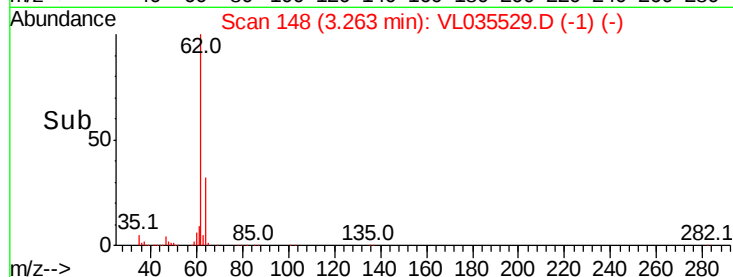
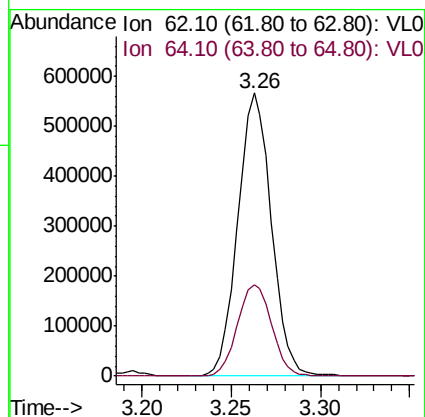
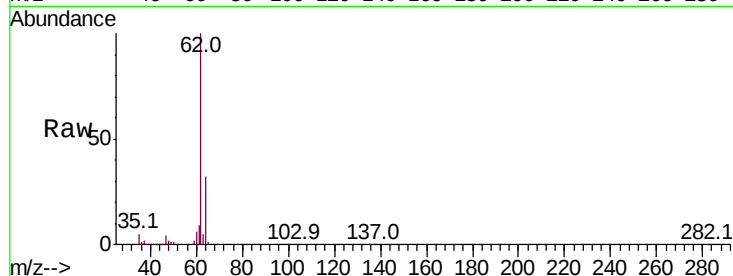
64 32.4 27.4 41.2

Manual Integrations

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#6

Bromomethane

Concen: 10.522 ppbv

RT: 3.48 min Scan# 216

Delta R.T. 0.00 min

Lab File: VL035529.D

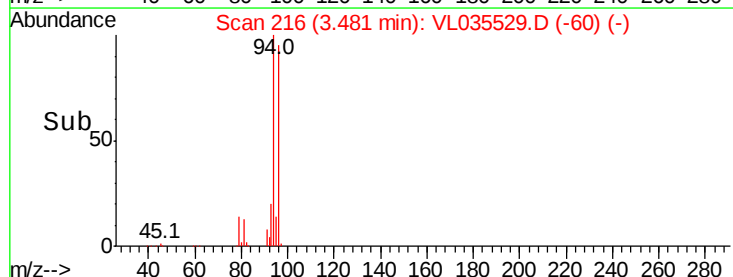
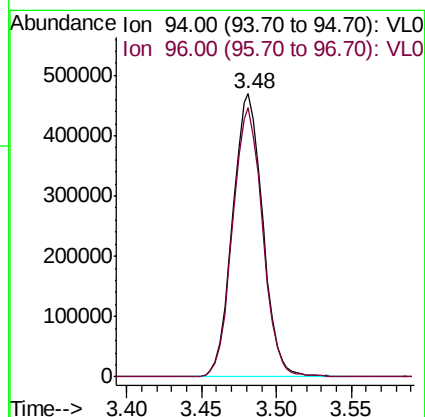
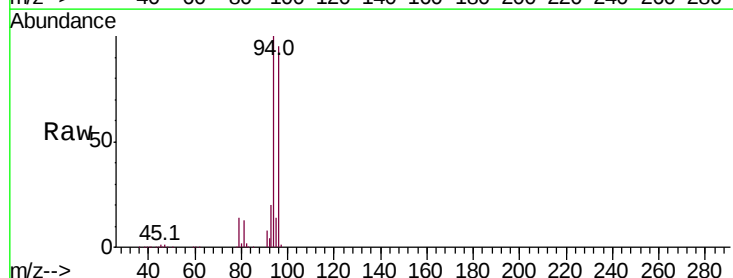
Acq: 3 Sep 2020 13:49

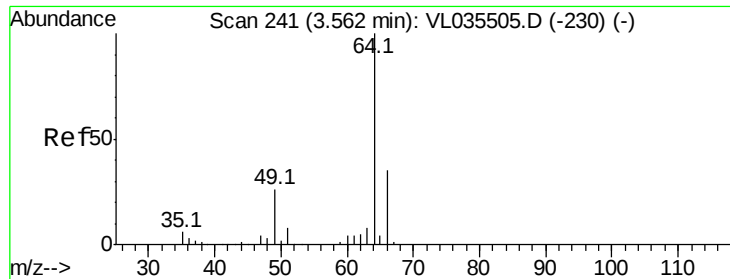
Tgt Ion: 94 Resp: 658608

Ion Ratio Lower Upper

94 100

96 94.9 77.1 115.7





#7

Chloroethane

Concen: 10.697 ppbv

RT: 3.56 min Scan# 242

Delta R.T. 0.00 min

Lab File: VL035529.D

Acq: 3 Sep 2020 13:49

Instrument :

MSVOA_L

ClientSampleId :

VL0903ABS01

Tot Ion: 64 Resp: 281830

Ion Ratio Lower Upper

64 100

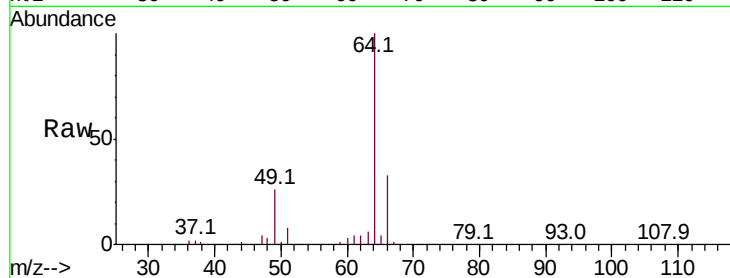
66 32.7 27.7 41.5

Manual Integrations

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Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0

250000

200000

150000

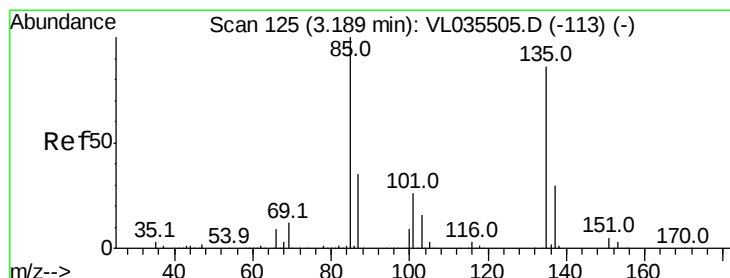
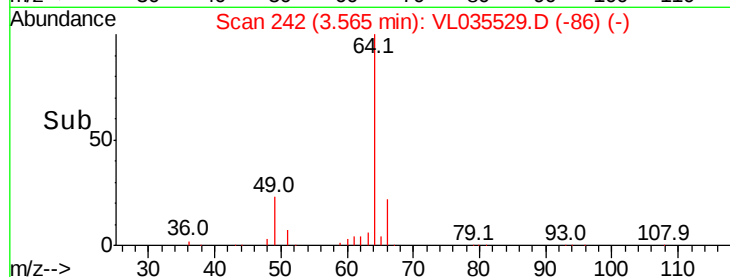
100000

50000

0

3.50 3.55 3.60

Time-->



#8

Dichlorotetrafluoroethane

Concen: 10.121 ppbv

RT: 3.19 min Scan# 126

Delta R.T. 0.00 min

Lab File: VL035529.D

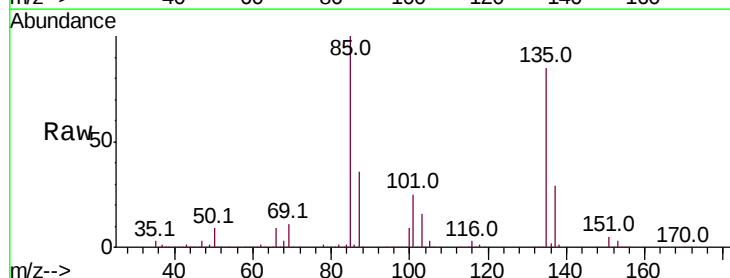
Acq: 3 Sep 2020 13:49

Tgt Ion: 85 Resp: 2166809

Ion Ratio Lower Upper

85 100

135 87.0 70.4 105.6



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V

2000000

1500000

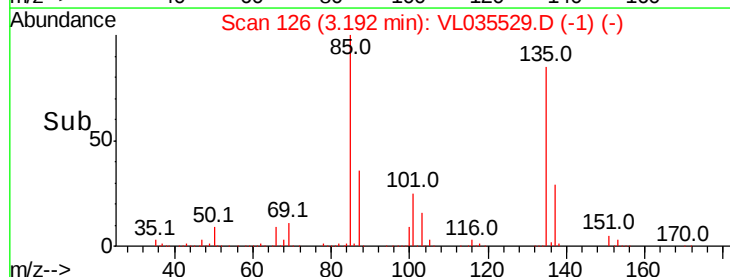
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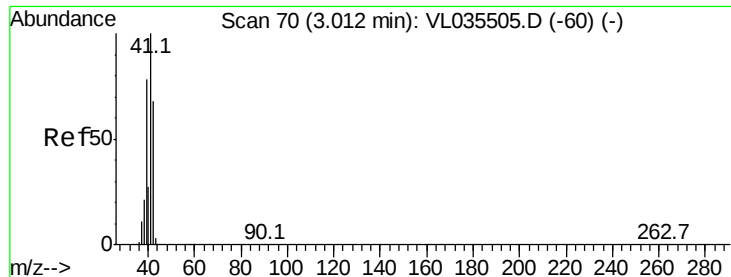
500000

0

3.15 3.20 3.25

Time-->





#9

Propene

Concen: 10.596 ppbv

RT: 3.02 min Scan# 71

Delta R.T. 0.00 min

Lab File: VL035529.D

Acq: 3 Sep 2020 13:49

Instrument :

MSVOA_L

ClientSampleId :

VL0903ABS01

Tot Ion: 41 Resp: 460862

Ion Ratio Lower Upper

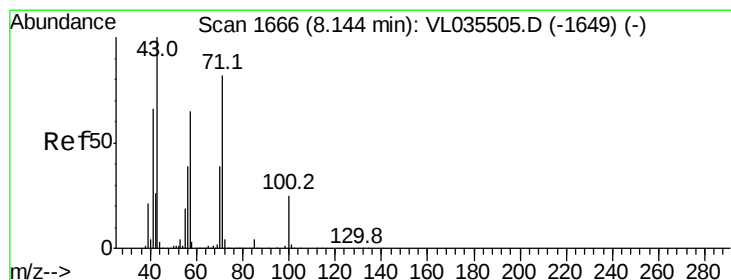
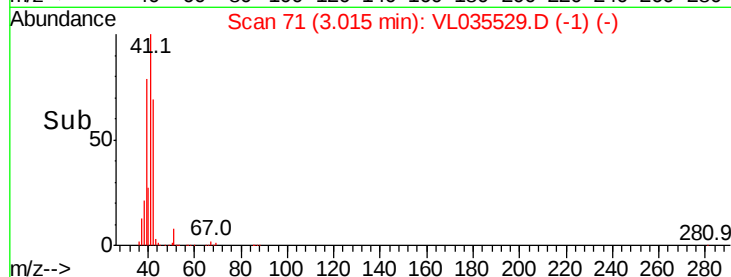
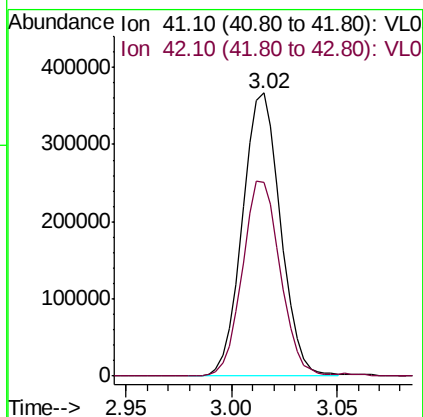
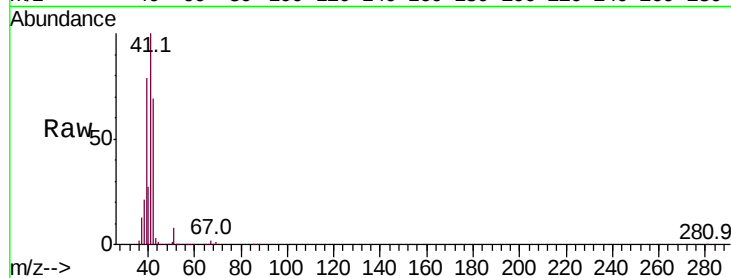
41 100

42 69.5 56.3 84.5

Manual Integrations
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#10

Heptane

Concen: 10.723 ppbv

RT: 8.15 min Scan# 1668

Delta R.T. 0.01 min

Lab File: VL035529.D

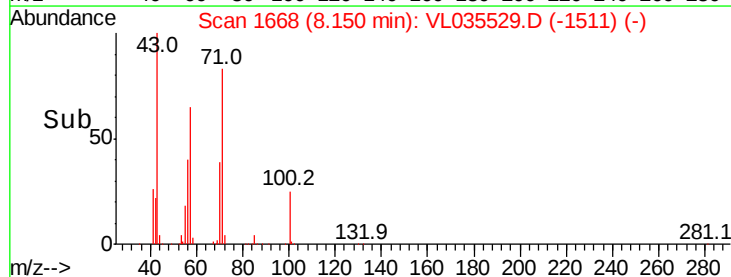
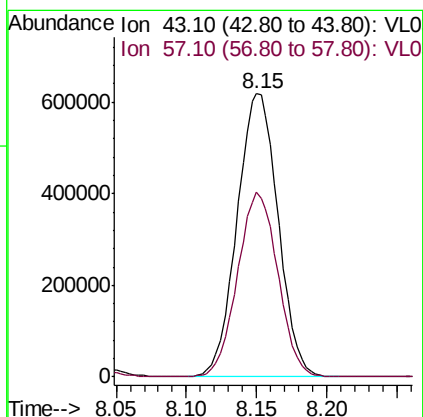
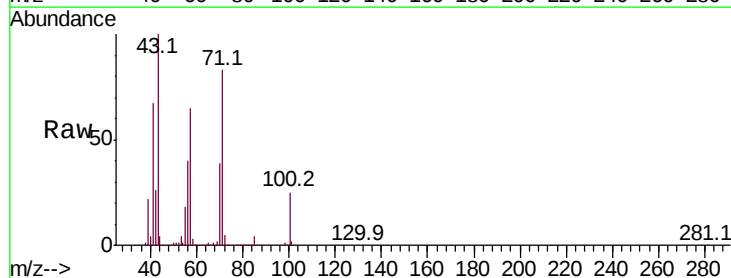
Acq: 3 Sep 2020 13:49

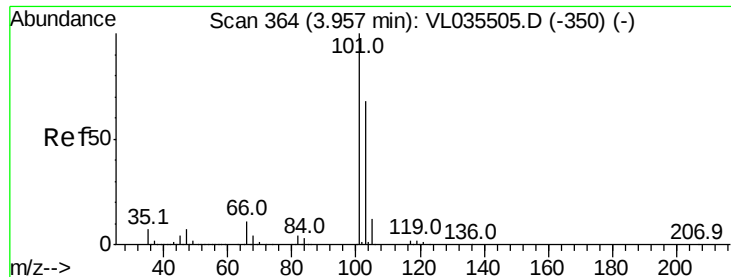
Tgt Ion: 43 Resp: 1252652

Ion Ratio Lower Upper

43 100

57 64.4 51.4 77.0





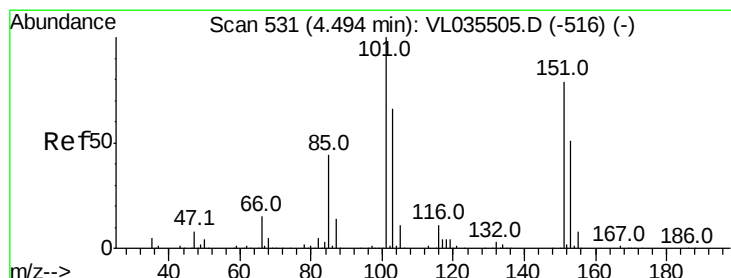
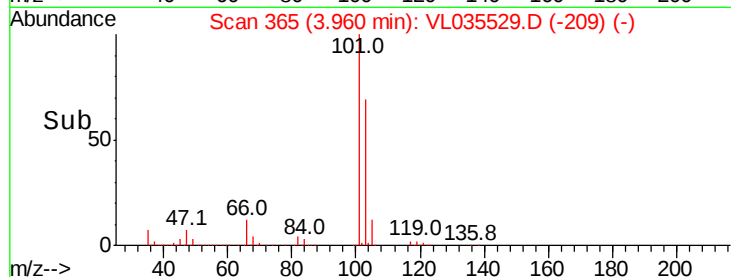
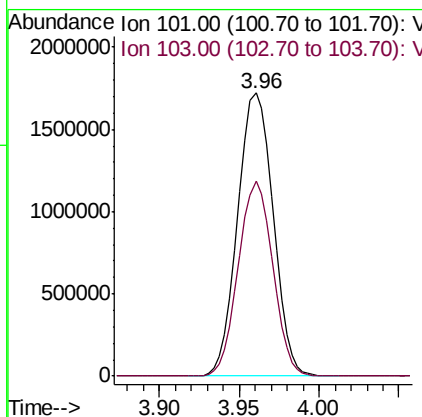
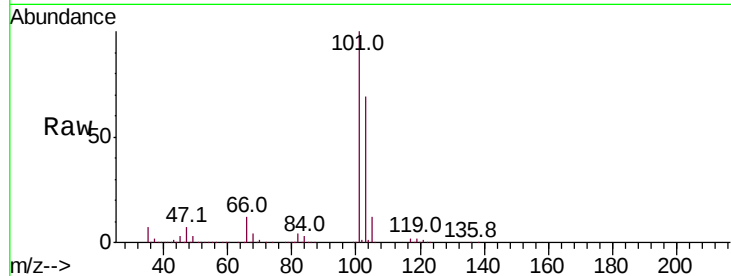
#11
 Trichlorofluoromethane
 Concen: 10.117 ppbv
 RT: 3.96 min Scan# 365
 Delta R.T. 0.00 min
 Lab File: VL035529.D
 Acq: 3 Sep 2020 13:49

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0903ABS01

Tot Ion:101 Resp: 2608175
 Ion Ratio Lower Upper
 101 100
 103 69.1 54.5 81.7

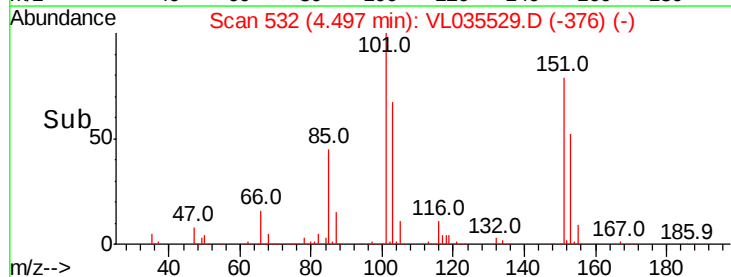
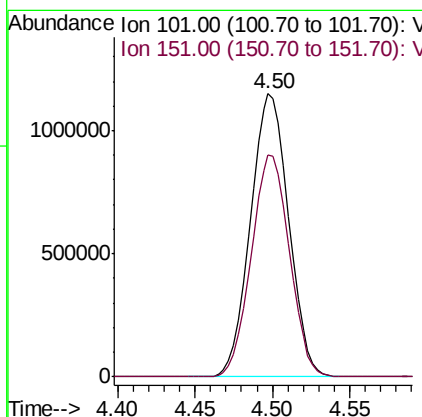
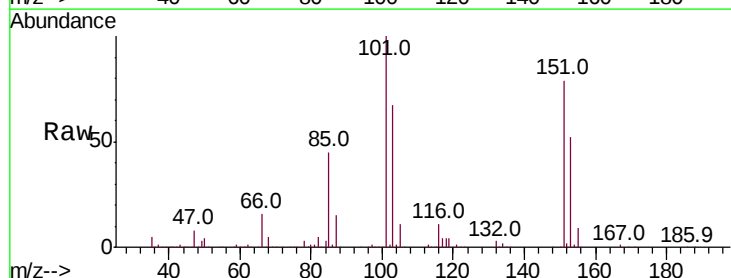
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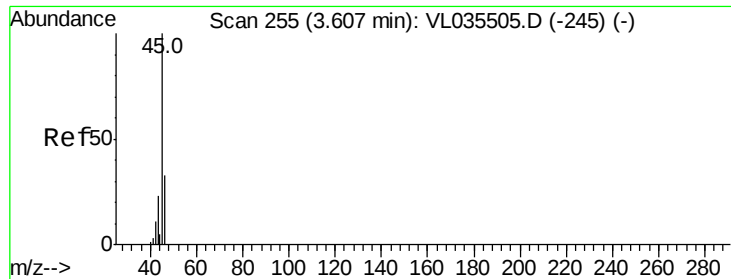
MMDadoda
 9/8/2020 4:05:41 PM



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 10.155 ppbv
 RT: 4.50 min Scan# 532
 Delta R.T. 0.00 min
 Lab File: VL035529.D
 Acq: 3 Sep 2020 13:49

Tgt Ion:101 Resp: 1975963
 Ion Ratio Lower Upper
 101 100
 151 78.8 63.5 95.3





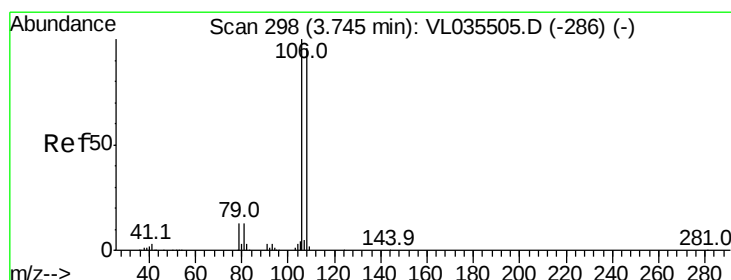
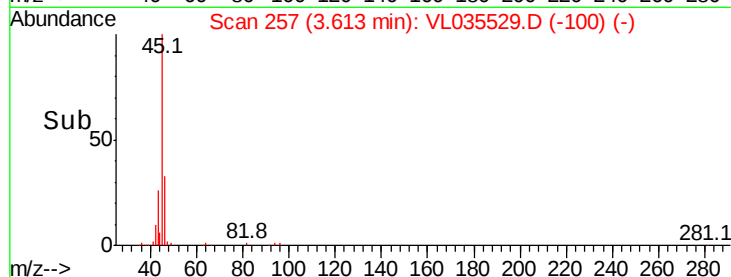
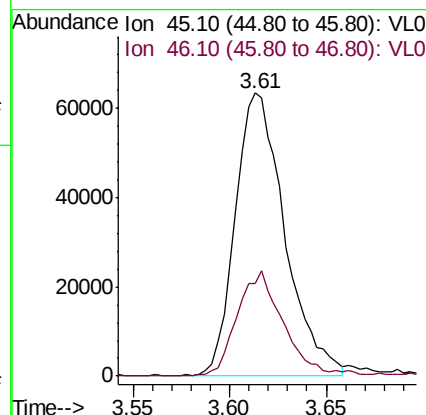
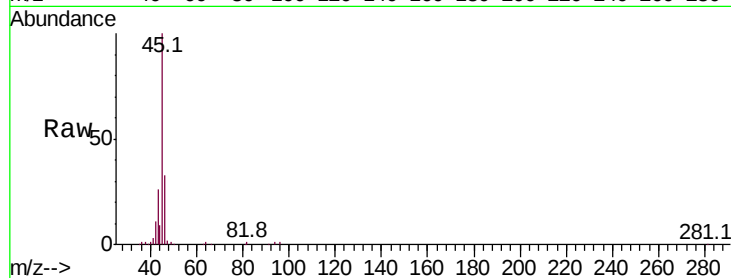
#13
Ethanol
Concen: 10.466 ppbv
RT: 3.61 min Scan# 257
Delta R.T. 0.01 min
Lab File: VL035529.D
Acq: 3 Sep 2020 13:49

Instrument :
MSVOA_L
ClientSampleId :
VL0903ABS01

Tot Ion: 45 Resp: 112866
Ion Ratio Lower Upper
45 100
46 35.9 15.2 60.6

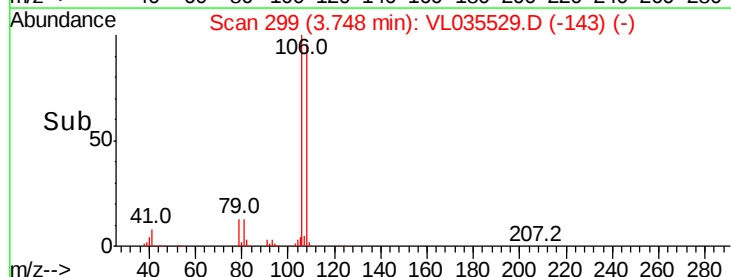
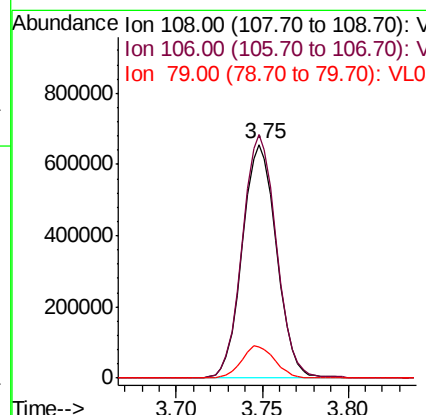
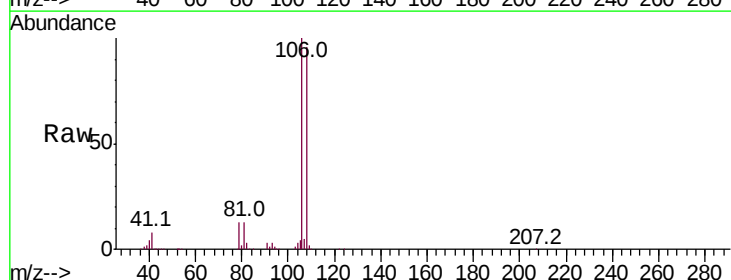
Manual Integrations
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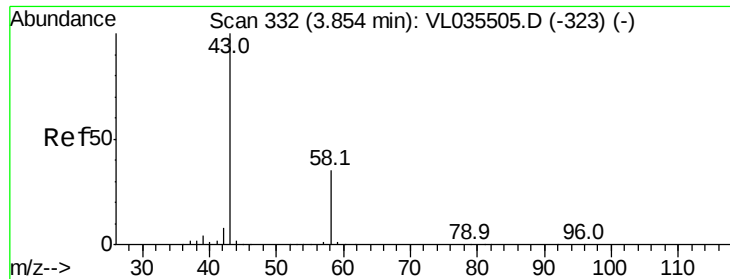
MMDadoda
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#14
Bromoethene
Concen: 10.880 ppbv
RT: 3.75 min Scan# 299
Delta R.T. 0.00 min
Lab File: VL035529.D
Acq: 3 Sep 2020 13:49

Tgt Ion: 108 Resp: 911236
Ion Ratio Lower Upper
108 100
106 104.1 84.9 127.3
79 13.6 10.8 16.2





#15

Acetone

Concen: 8.846 ppbv

RT: 3.86 min Scan# 334

Delta R.T. 0.01 min

Lab File: VL035529.D

Acq: 3 Sep 2020 13:49

Instrument :

MSVOA_L

ClientSampleId :

VL0903ABS01

Tot Ion: 43 Resp: 995205

Ion Ratio Lower Upper

43 100

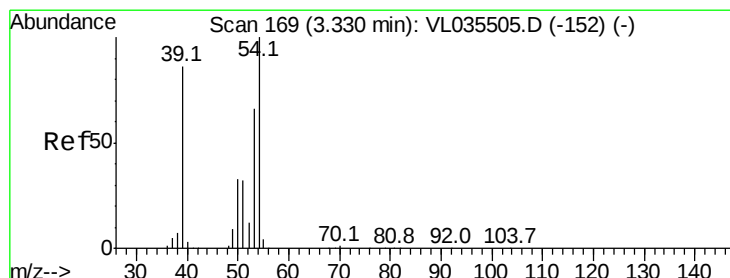
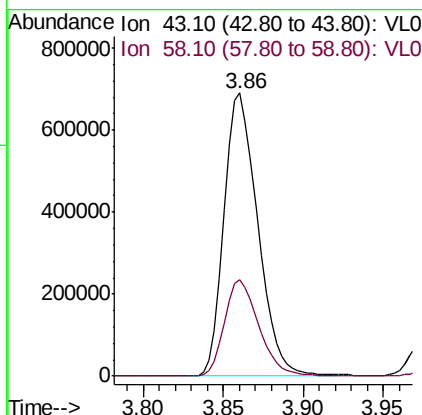
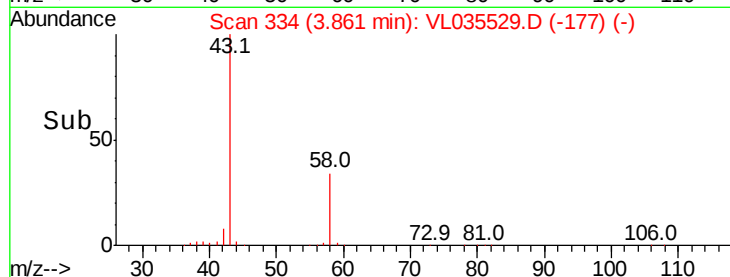
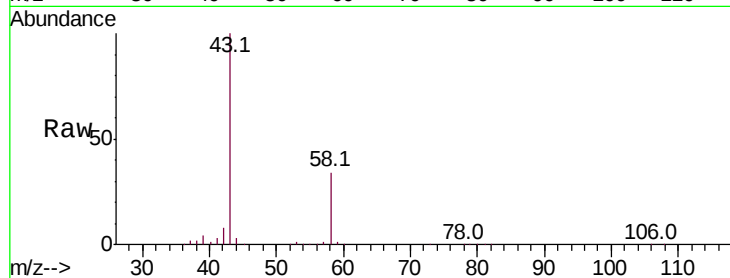
58 34.8 28.4 42.6

Manual Integrations

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#16

1,3-Butadiene

Concen: 10.843 ppbv

RT: 3.33 min Scan# 170

Delta R.T. 0.00 min

Lab File: VL035529.D

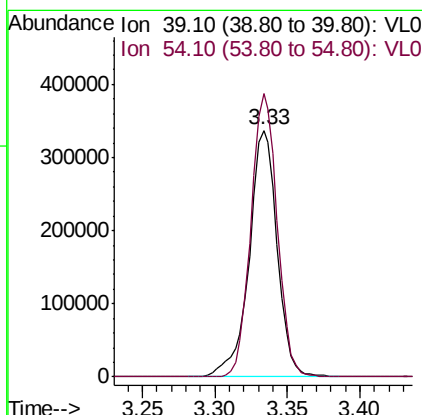
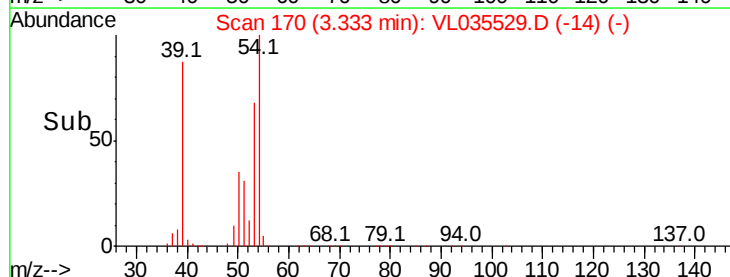
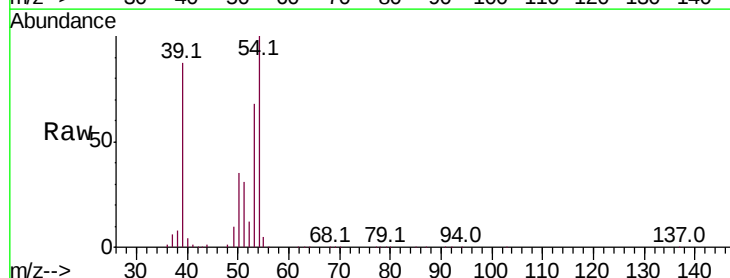
Acq: 3 Sep 2020 13:49

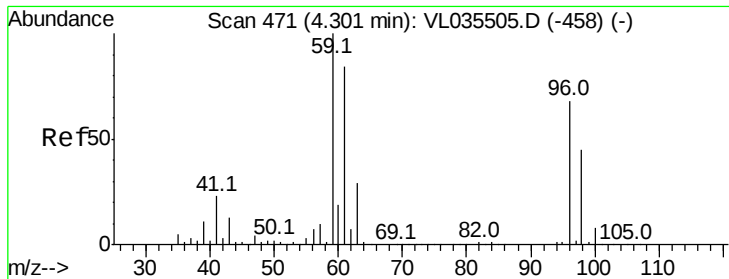
Tgt Ion: 39 Resp: 454130

Ion Ratio Lower Upper

39 100

54 108.6 88.4 132.6





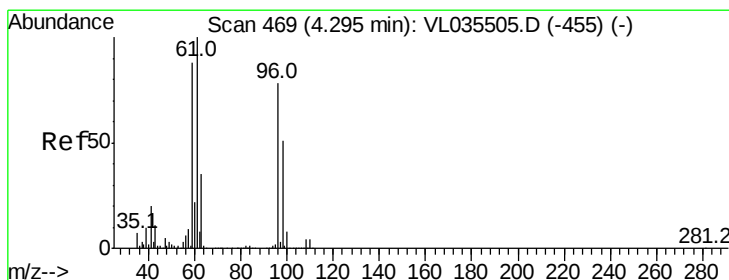
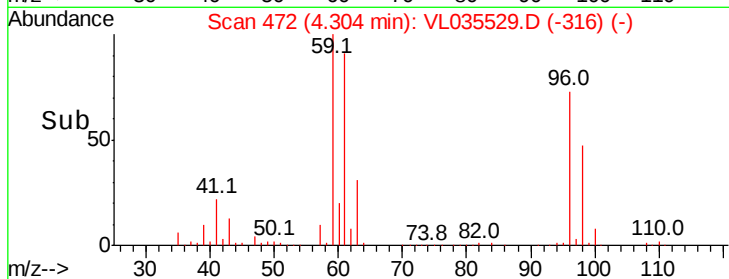
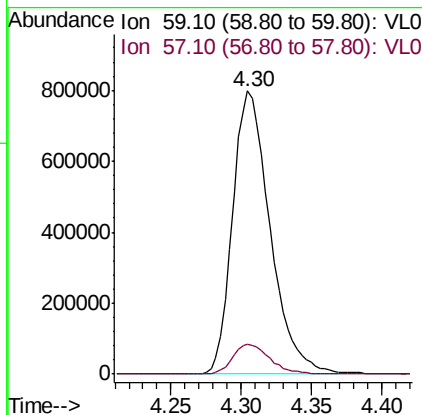
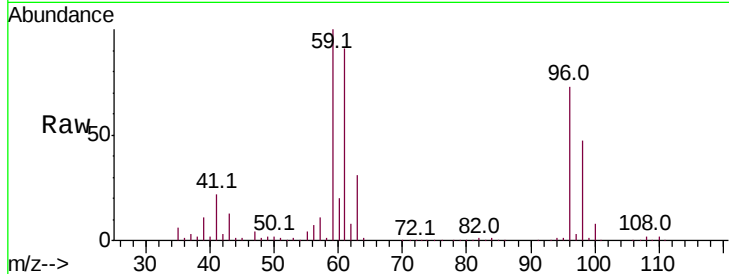
#17
 tert-Butyl alcohol
 Concen: 10.886 ppbv
 RT: 4.30 min Scan# 472
 Delta R.T. 0.00 min
 Lab File: VL035529.D
 Acq: 3 Sep 2020 13:49

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0903ABS01

Tot Ion: 59 Resp: 1490830
 Ion Ratio Lower Upper
 59 100
 57 10.6 8.4 12.6

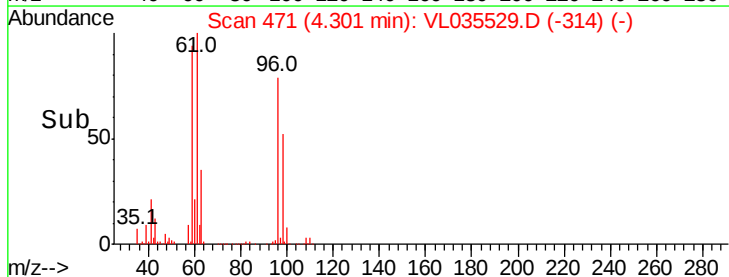
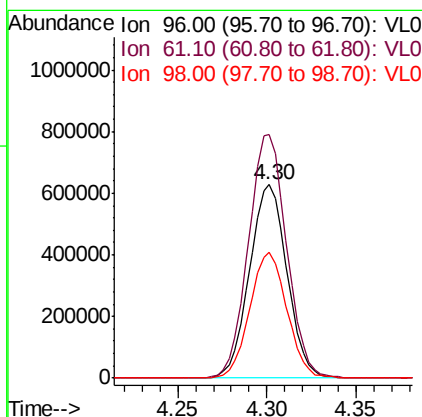
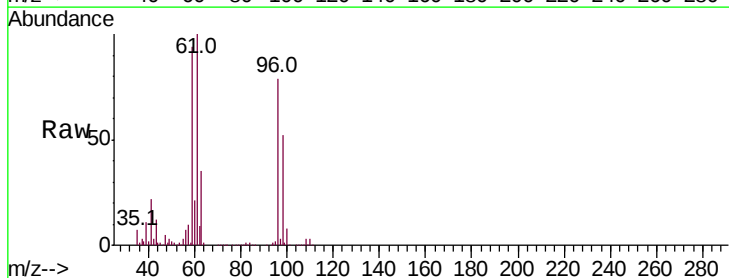
Manual Integrations
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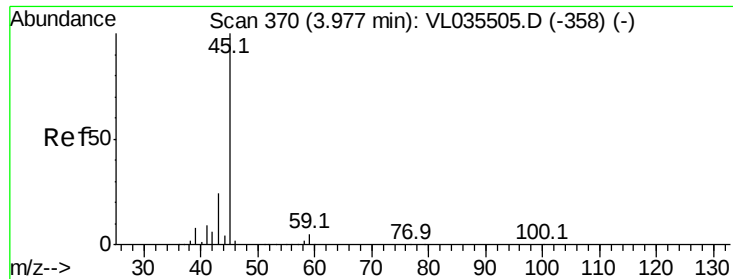
MMDadoda
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#18
 1,1-Dichloroethene
 Concen: 10.759 ppbv
 RT: 4.30 min Scan# 471
 Delta R.T. 0.01 min
 Lab File: VL035529.D
 Acq: 3 Sep 2020 13:49

Tgt Ion: 96 Resp: 921837
 Ion Ratio Lower Upper
 96 100
 61 126.1 103.0 154.6
 98 65.0 52.8 79.2





#19

Isopropyl Alcohol

Concen: 11.076 ppbv

RT: 3.98 min Scan# 371

Delta R.T. 0.00 min

Lab File: VL035529.D

Acq: 3 Sep 2020 13:49

Instrument :

MSVOA_L

ClientSampleId :

VL0903ABS01

Tot Ion: 45 Resp: 743356

Ion Ratio Lower Upper

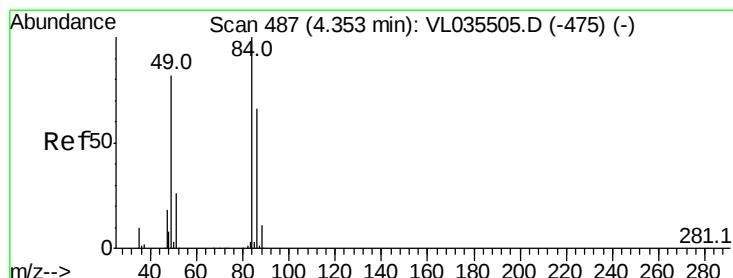
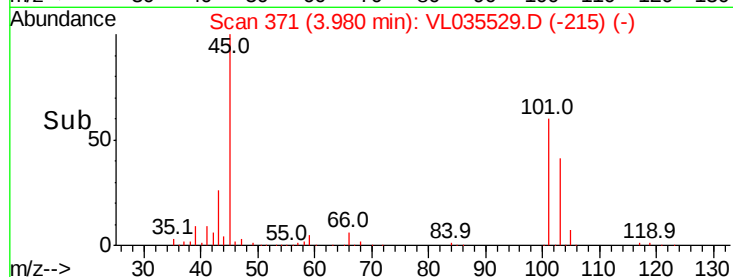
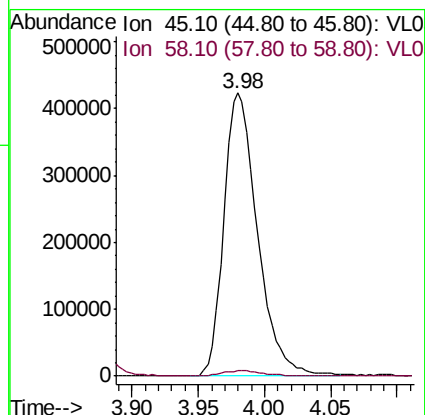
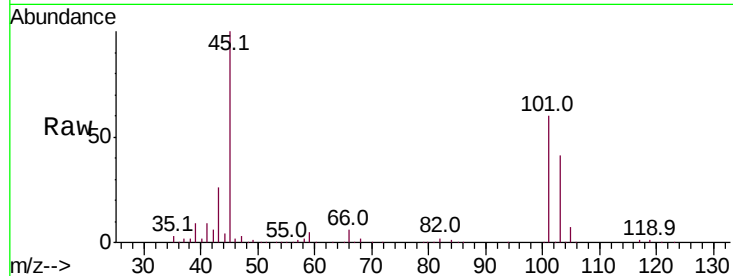
45 100

58 2.4 2.0 3.0

Manual Integrations
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#20

Methylene Chloride

Concen: 9.537 ppbv

RT: 4.36 min Scan# 488

Delta R.T. 0.00 min

Lab File: VL035529.D

Acq: 3 Sep 2020 13:49

Tgt Ion: 84 Resp: 799124

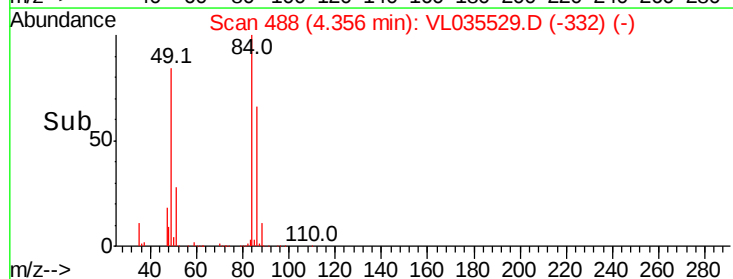
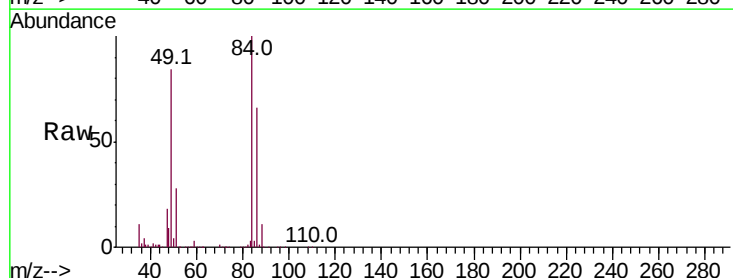
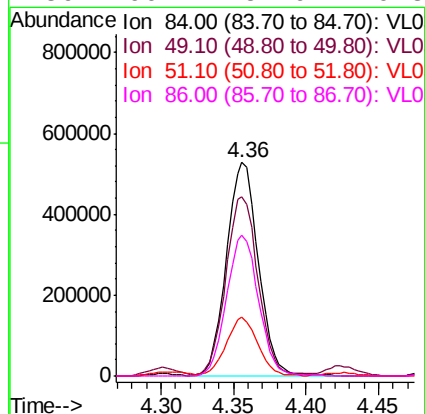
Ion Ratio Lower Upper

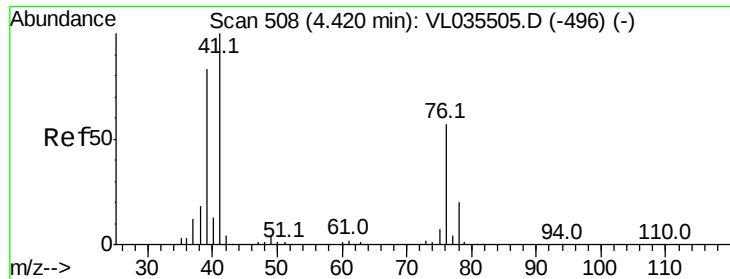
84 100

49 83.2 65.4 98.0

51 26.5 21.5 32.3

86 66.2 52.9 79.3





#21

Allvl Chloride

Concen: 11.345 ppbv

RT: 4.42 min Scan# 509

Delta R.T. 0.00 min

Lab File: VL035529.D

Acq: 3 Sep 2020 13:49

Instrument :

MSVOA_L

ClientSampleId :

VL0903ABS01

Tot Ion: 41 Resp: 597973

Ion Ratio Lower Upper

41 100

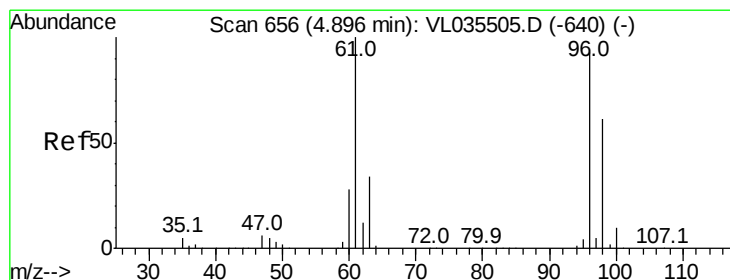
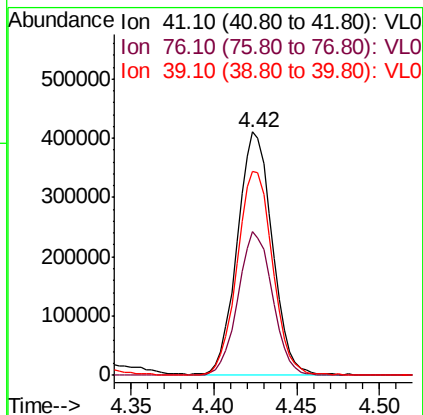
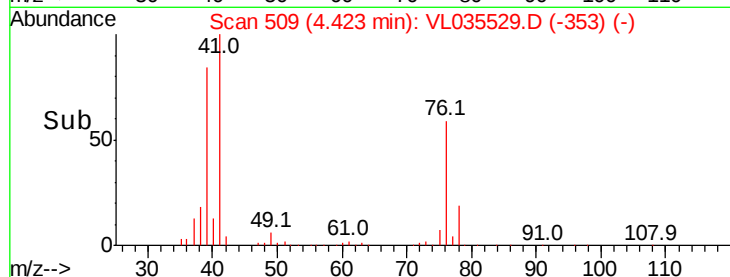
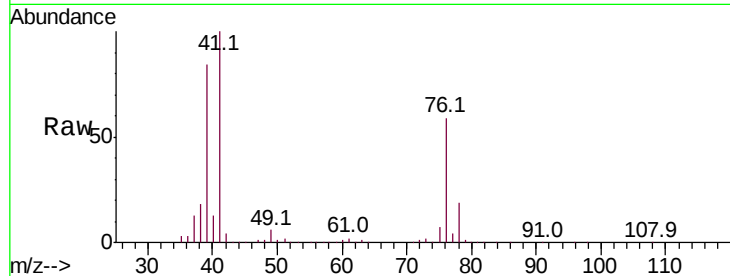
76 58.7 46.2 69.2

39 85.8 67.8 101.6

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#22

trans-1,2-Dichloroethene

Concen: 10.572 ppbv

RT: 4.90 min Scan# 657

Delta R.T. 0.00 min

Lab File: VL035529.D

Acq: 3 Sep 2020 13:49

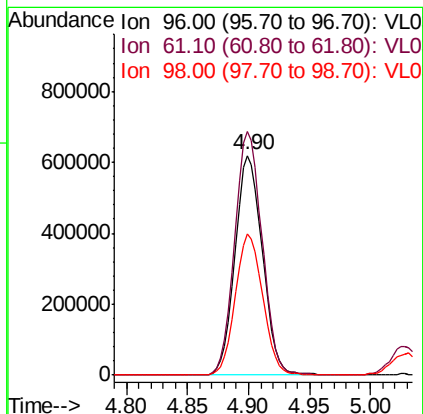
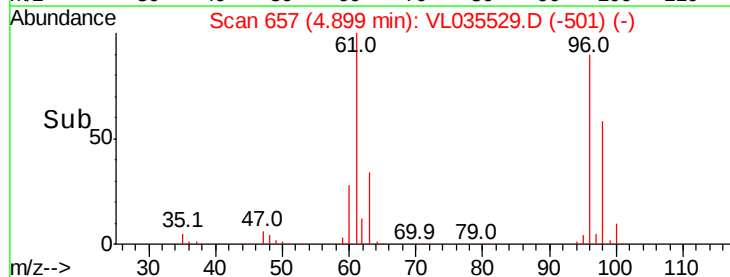
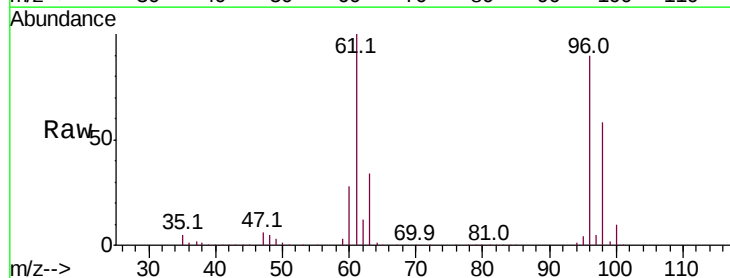
Tgt Ion: 96 Resp: 964308

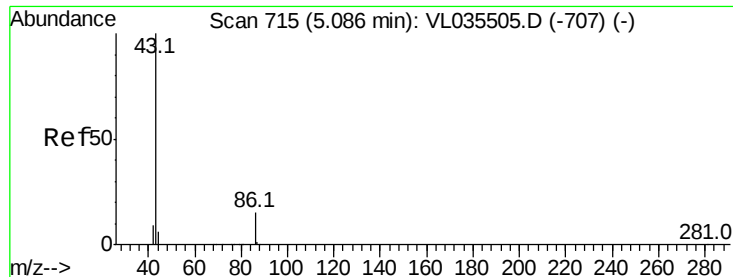
Ion Ratio Lower Upper

96 100

61 110.9 86.0 129.0

98 64.4 52.3 78.5





#23

Vinyl Acetate

Concen: 10.809 ppbv

RT: 5.09 min Scan# 717

Delta R.T. 0.01 min

Lab File: VL035529.D

Acq: 3 Sep 2020 13:49

Instrument :

MSVOA_L

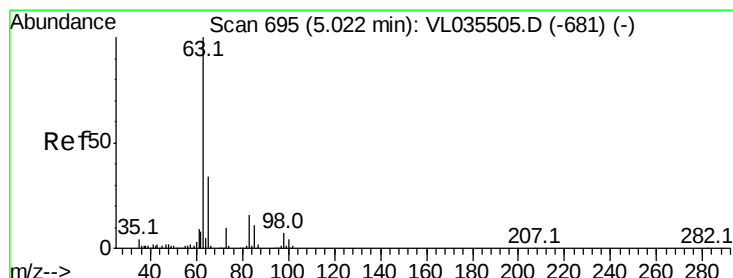
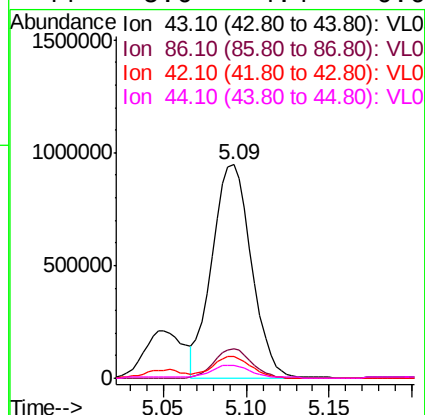
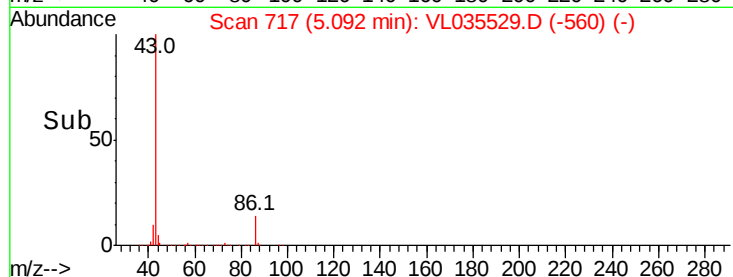
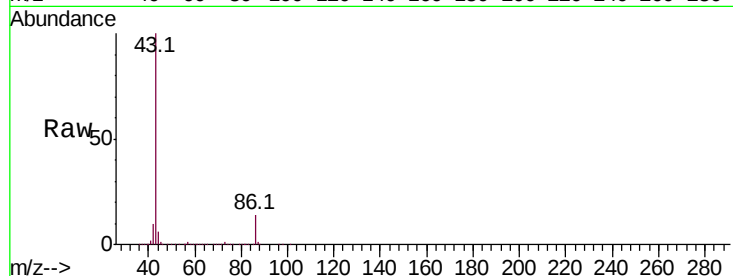
ClientSampleId :

VL0903ABS01

Tot Ion	Ratio	Lower	Upper
43	100		
86	13.7	10.6	16.0
42	10.0	7.5	11.3
44	5.6	4.4	6.6

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#24

1,1-Dichloroethane

Concen: 10.508 ppbv

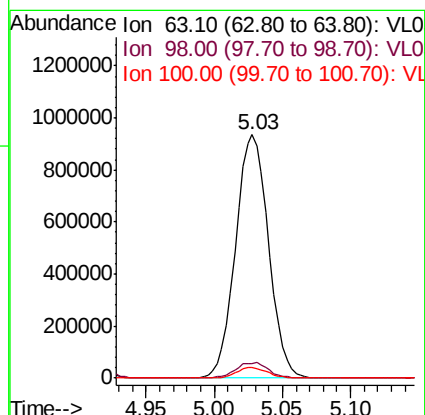
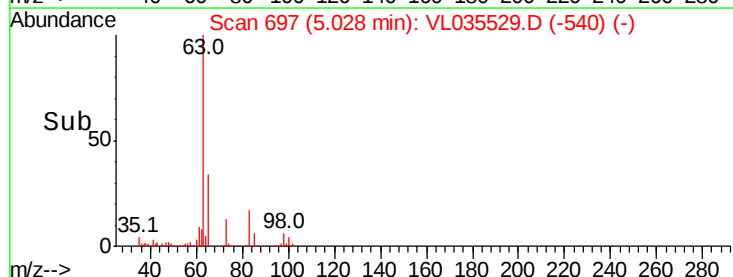
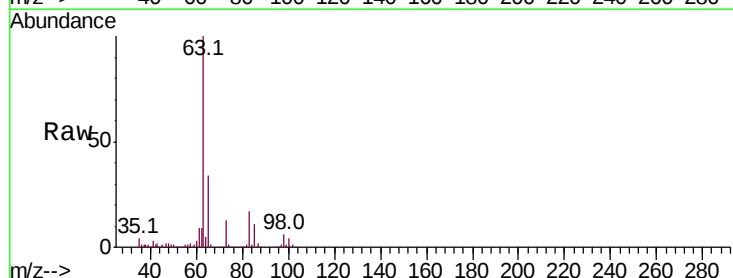
RT: 5.03 min Scan# 697

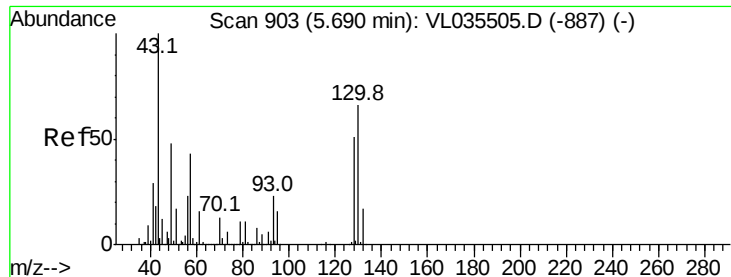
Delta R.T. 0.01 min

Lab File: VL035529.D

Acq: 3 Sep 2020 13:49

Tgt Ion	Ratio	Lower	Upper
63	100		
98	6.1	3.4	10.1
100	4.3	2.1	6.5





#25

Ethyl Acetate

Concen: 10.349 ppbv

RT: 5.70 min Scan# 905

Delta R.T. 0.01 min

Lab File: VL035529.D

Acq: 3 Sep 2020 13:49

Instrument :

MSVOA_L

ClientSampleId :

VL0903ABS01

Tot Ion: 43 Resp: 2056918

Ion Ratio Lower Upper

43 100

45 10.6 8.4 12.6

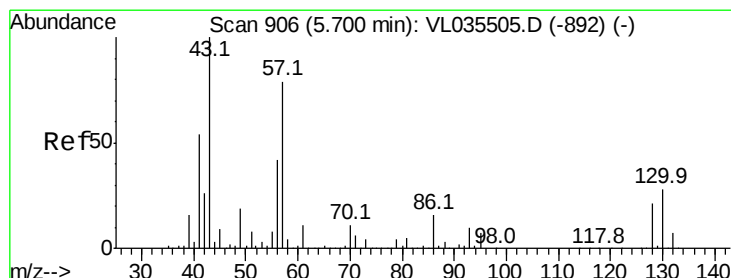
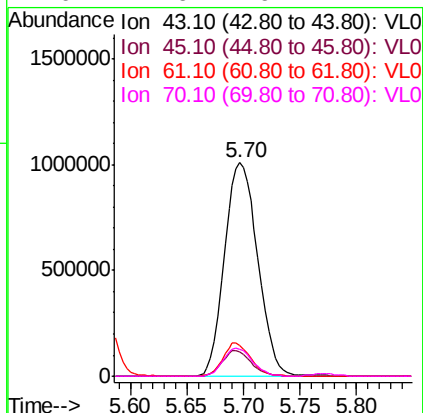
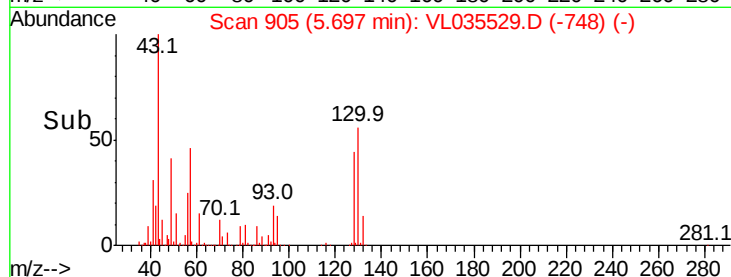
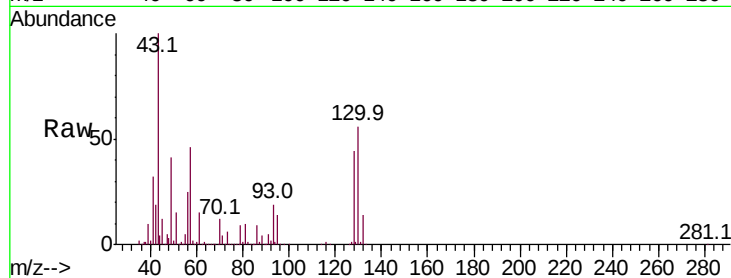
61 13.2 10.6 16.0

70 11.6 9.4 14.2

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#26

Hexane

Concen: 10.537 ppbv

RT: 5.71 min Scan# 908

Delta R.T. 0.01 min

Lab File: VL035529.D

Acq: 3 Sep 2020 13:49

Tgt Ion: 57 Resp: 1186669

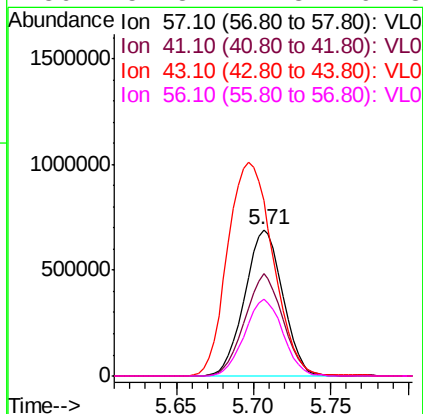
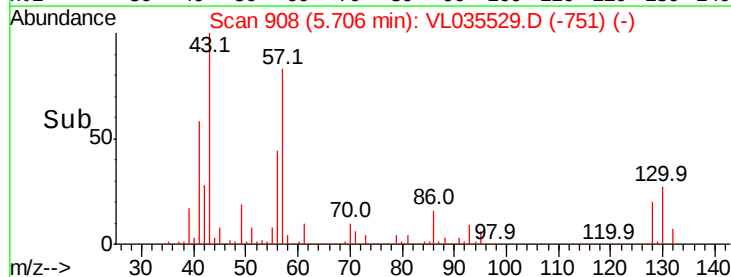
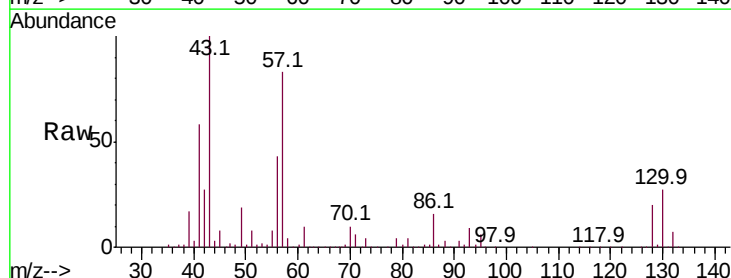
Ion Ratio Lower Upper

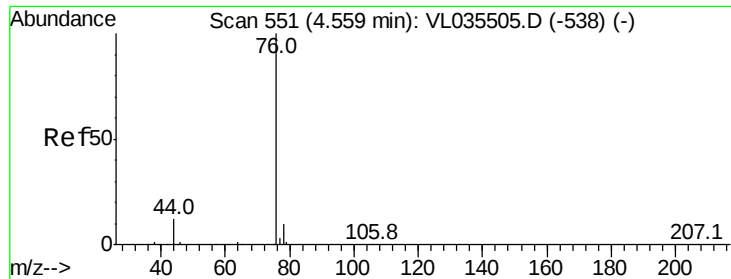
57 100

41 70.8 55.9 83.9

43 173.9 141.8 212.8

56 52.8 41.8 62.8





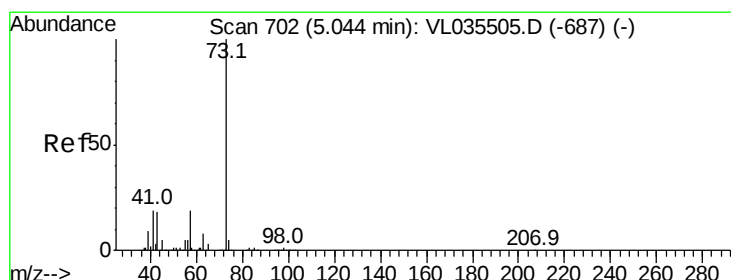
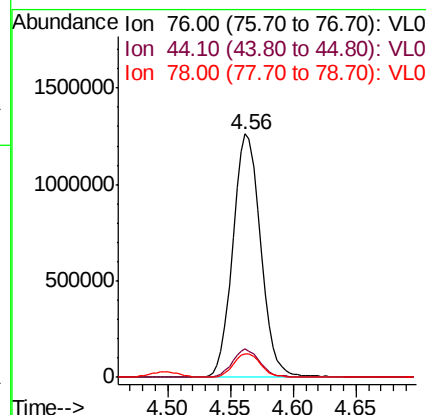
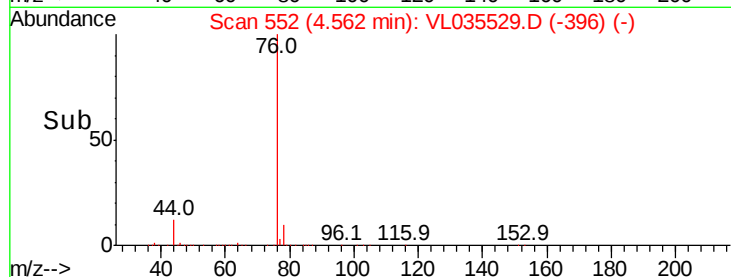
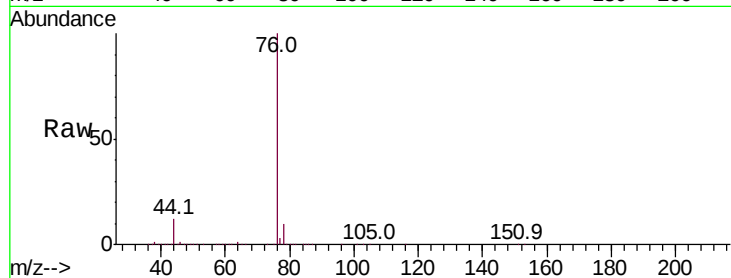
#27
Carbon Disulfide
Concen: 12.054 ppbv
RT: 4.56 min Scan# 552
Delta R.T. 0.00 min
Lab File: VL035529.D
Acq: 3 Sep 2020 13:49

Instrument :
MSVOA_L
ClientSampleId :
VL0903ABS01

Tot Ion: 76 Resp: 1948022
Ion Ratio Lower Upper
76 100
44 11.1 9.3 13.9
78 9.9 7.8 11.6

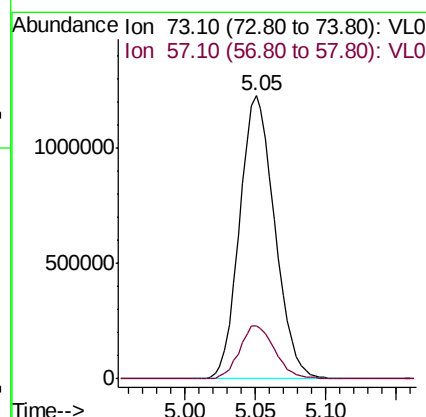
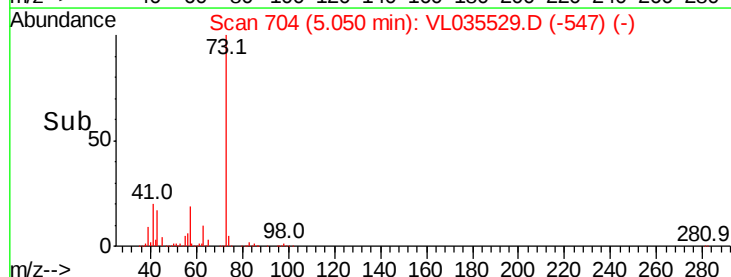
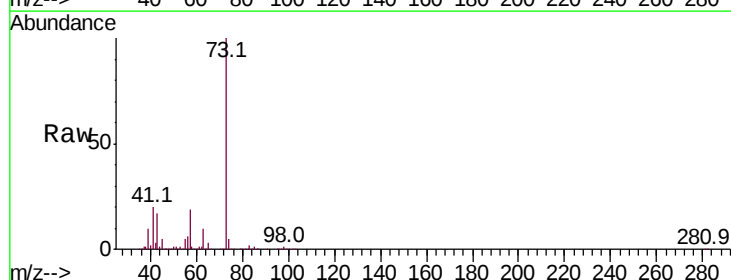
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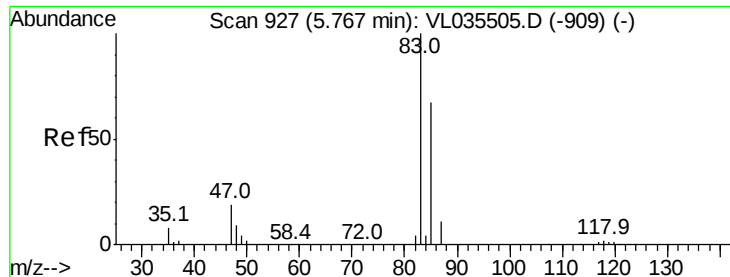
MMDadoda
9/8/2020 4:05:41 PM



#28
Methyl tert-Butyl Ether
Concen: 10.890 ppbv
RT: 5.05 min Scan# 704
Delta R.T. 0.01 min
Lab File: VL035529.D
Acq: 3 Sep 2020 13:49

Tgt Ion: 73 Resp: 2137494
Ion Ratio Lower Upper
73 100
57 18.9 15.2 22.8





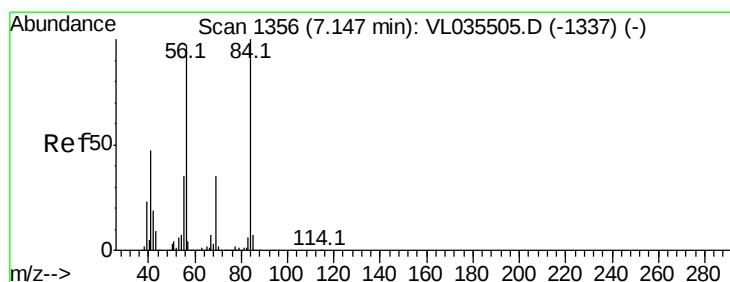
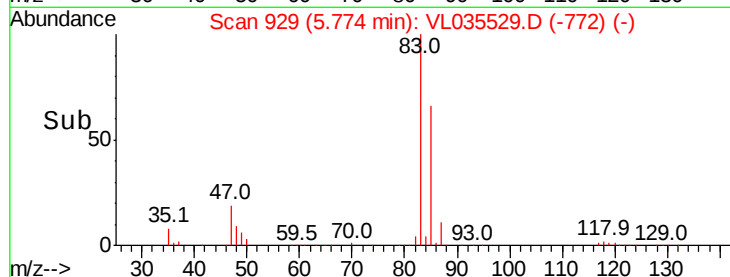
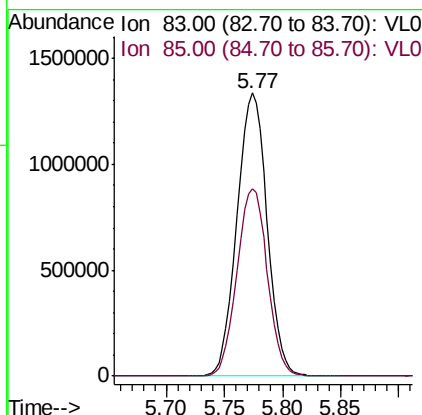
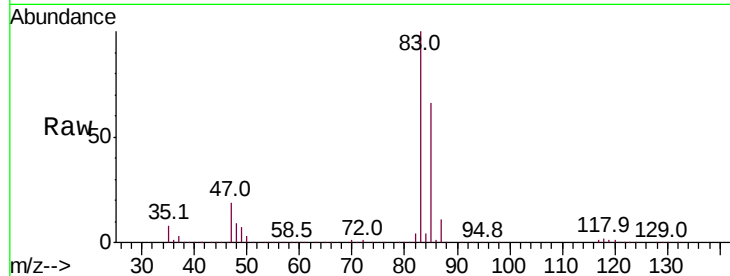
#29
Chloroform
Concen: 10.486 ppbv
RT: 5.77 min Scan# 929
Delta R.T. 0.01 min
Lab File: VL035529.D
Acq: 3 Sep 2020 13:49

Instrument :
MSVOA_L
ClientSampleId :
VL0903ABS01

Tot Ion: 83 Resp: 2406031
Ion Ratio Lower Upper
83 100
85 66.3 53.9 80.9

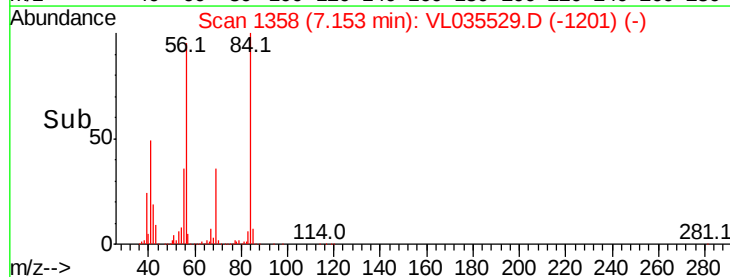
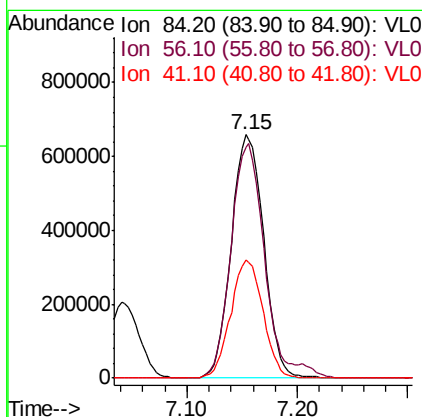
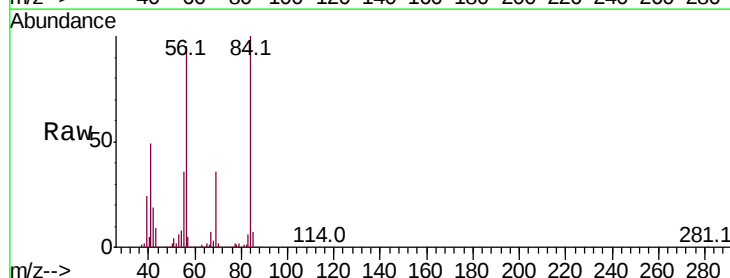
Manual Integrations
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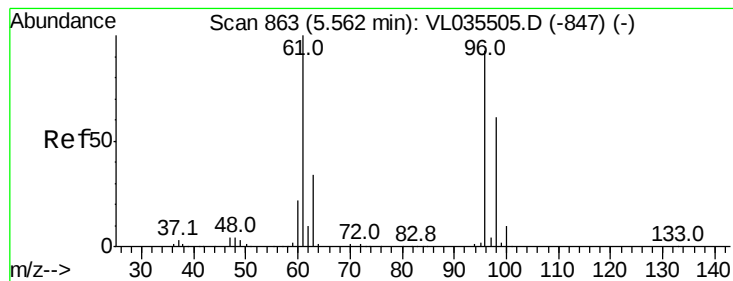
MMDadoda
9/8/2020 4:05:41 PM



#30
Cyclohexane
Concen: 11.149 ppbv
RT: 7.15 min Scan# 1358
Delta R.T. 0.01 min
Lab File: VL035529.D
Acq: 3 Sep 2020 13:49

Tgt Ion: 84 Resp: 1344974
Ion Ratio Lower Upper
84 100
56 100.7 80.1 120.1
41 48.1 38.1 57.1





#31

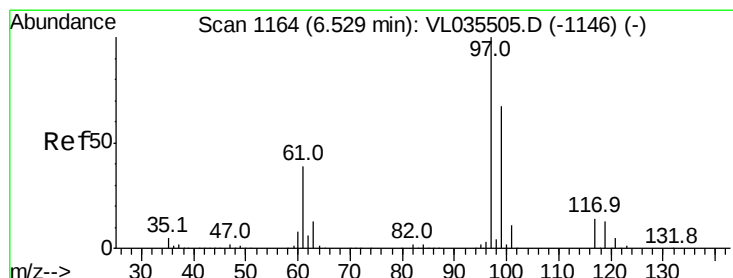
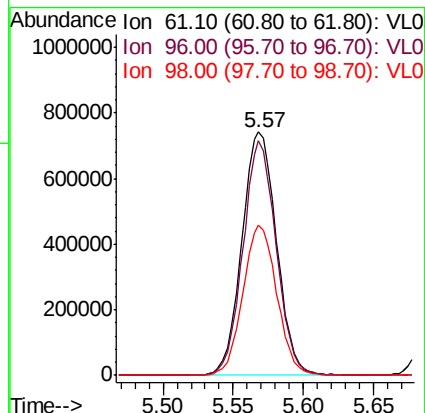
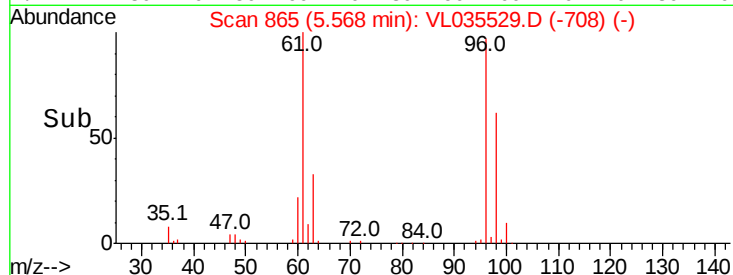
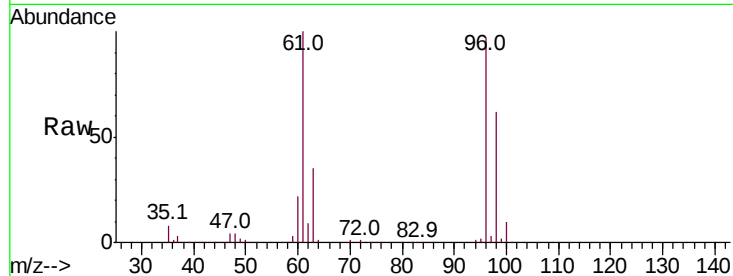
cis-1,2-Dichloroethene
Concen: 11.043 ppbv
RT: 5.57 min Scan# 865
Delta R.T. 0.01 min
Lab File: VL035529.D
Acq: 3 Sep 2020 13:49

Instrument :
MSVOA_L
ClientSampleId :
VL0903ABS01

Tot Ion: 61 Resp: 1275909
Ion Ratio Lower Upper
61 100
96 96.4 74.4 111.6
98 61.8 49.2 73.8

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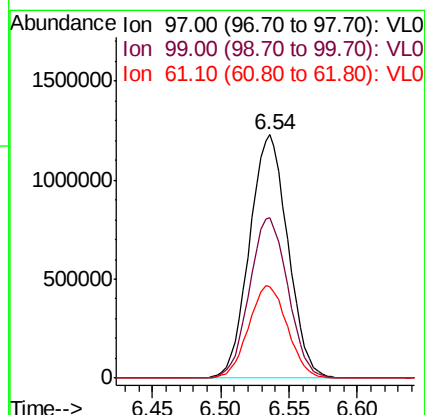
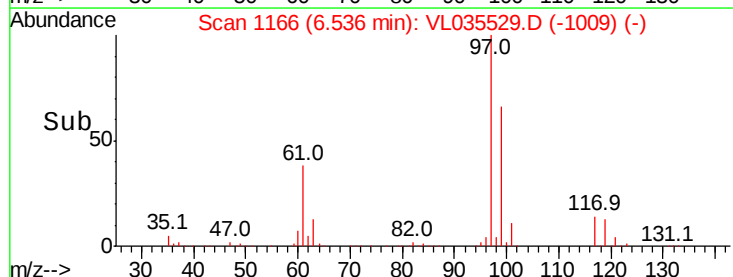
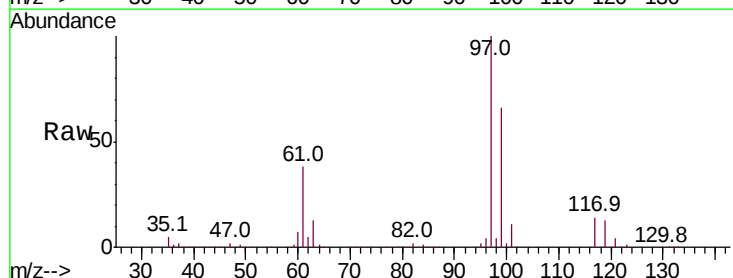
MMDadoda
9/8/2020 4:05:41 PM

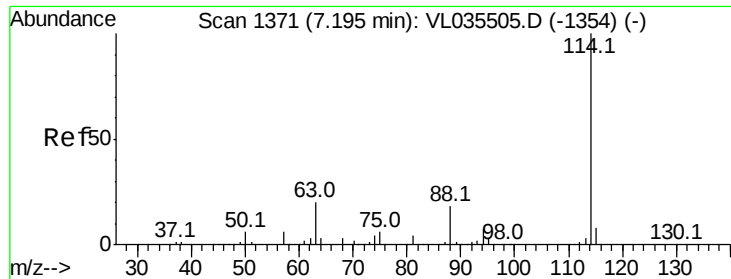


#32

1,1,1-Trichloroethane
Concen: 10.756 ppbv
RT: 6.54 min Scan# 1166
Delta R.T. 0.01 min
Lab File: VL035529.D
Acq: 3 Sep 2020 13:49

Tgt Ion: 97 Resp: 2394109
Ion Ratio Lower Upper
97 100
99 66.3 53.3 79.9
61 38.5 30.6 46.0





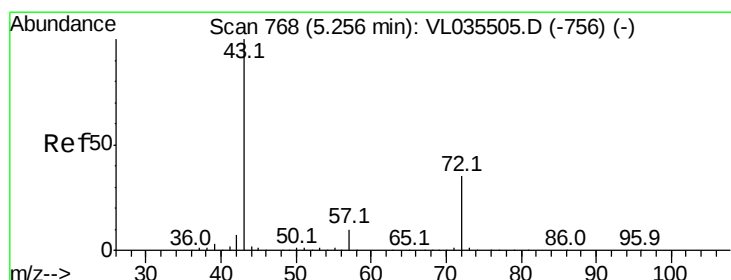
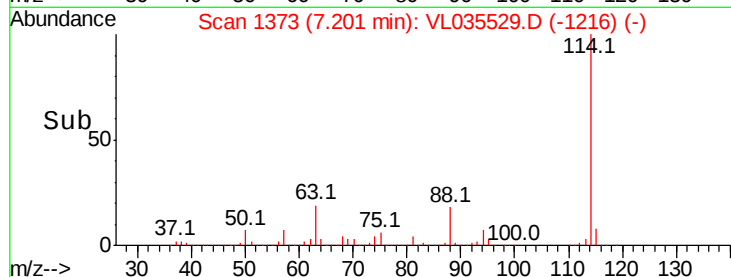
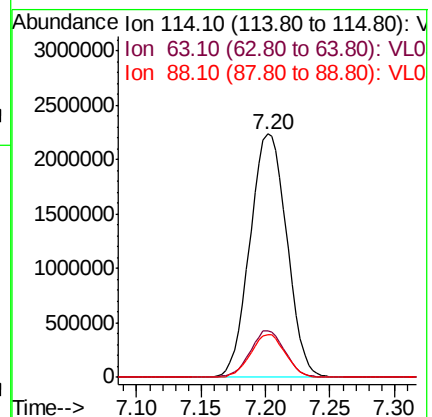
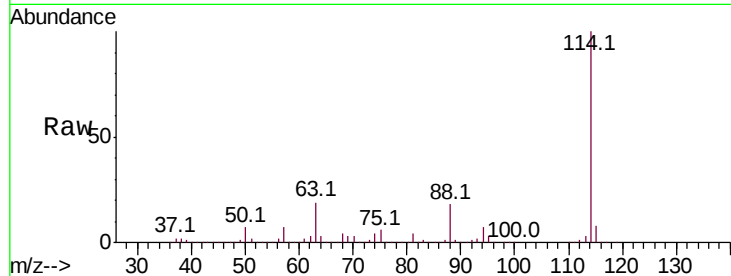
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.20 min Scan# 1373
 Delta R.T. 0.01 min
 Lab File: VL035529.D
 Acq: 3 Sep 2020 13:49

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0903ABS01

Tot Ion: 114 Resp: 4471619
 Ion Ratio Lower Upper
 114 100
 63 18.4 14.7 22.1
 88 16.7 13.4 20.2

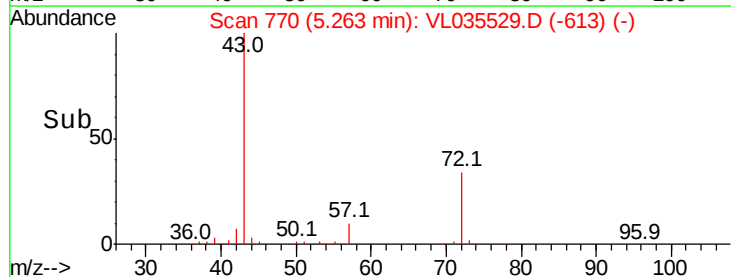
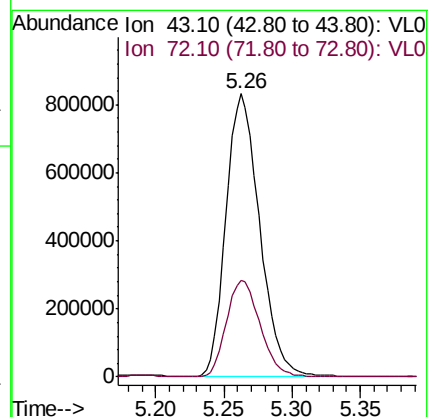
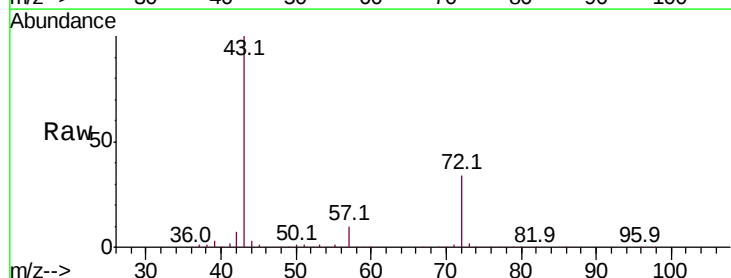
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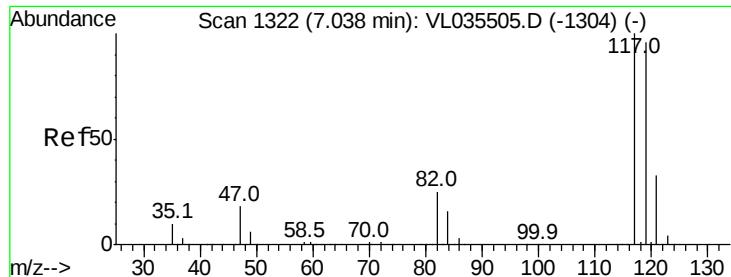
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#34
 2-Butanone
 Concen: 10.745 ppbv
 RT: 5.26 min Scan# 770
 Delta R.T. 0.01 min
 Lab File: VL035529.D
 Acq: 3 Sep 2020 13:49

Tgt Ion: 43 Resp: 1425875
 Ion Ratio Lower Upper
 43 100
 72 34.3 27.7 41.5





#35

Carbon Tetrachloride

Concen: 11.181 ppbv

RT: 7.04 min Scan# 1324

Delta R.T. 0.01 min

Lab File: VL035529.D

Acq: 3 Sep 2020 13:49

Instrument :

MSVOA_L

ClientSampleId :

VL0903ABS01

Tot Ion:117 Resp: 2512882

Ion Ratio Lower Upper

117 100

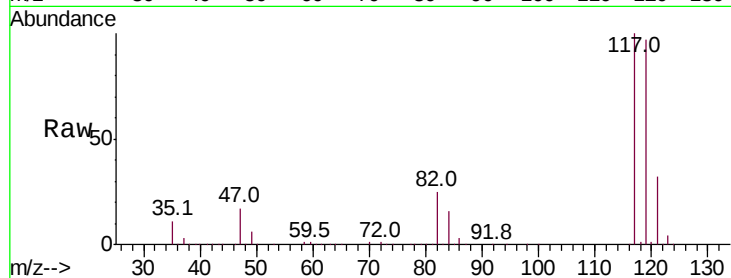
119 97.0 77.2 115.8

121 32.4 26.1 39.1

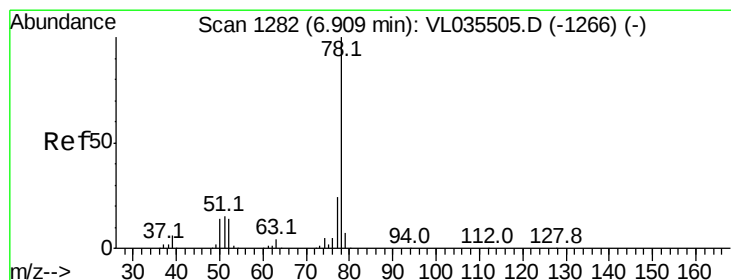
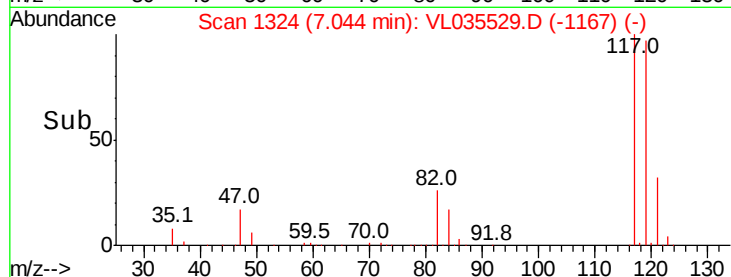
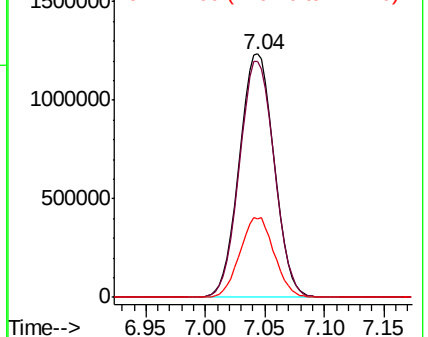
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Abundance Ion 117.00 (116.70 to 117.70): V
Ion 119.00 (118.70 to 119.70): V
Ion 121.00 (120.70 to 121.70): V



#36

Benzene

Concen: 10.673 ppbv

RT: 6.92 min Scan# 1285

Delta R.T. 0.01 min

Lab File: VL035529.D

Acq: 3 Sep 2020 13:49

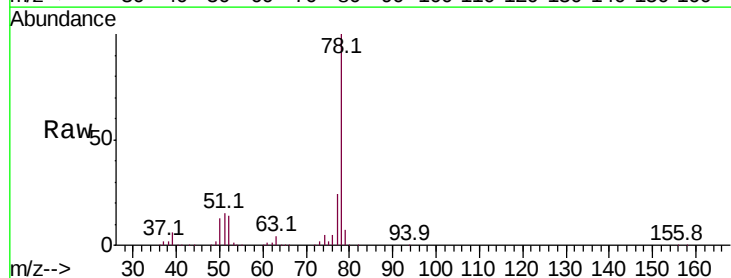
Tgt Ion: 78 Resp: 3089401

Ion Ratio Lower Upper

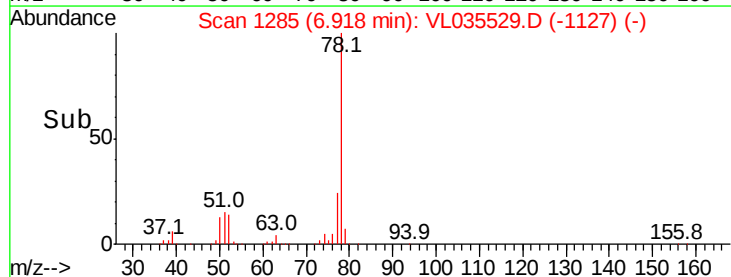
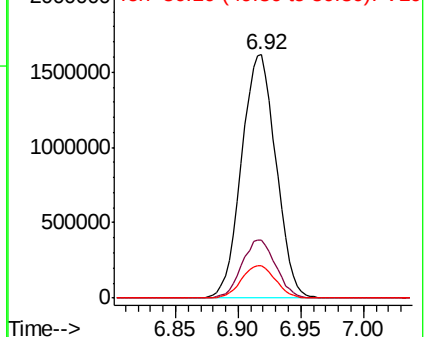
78 100

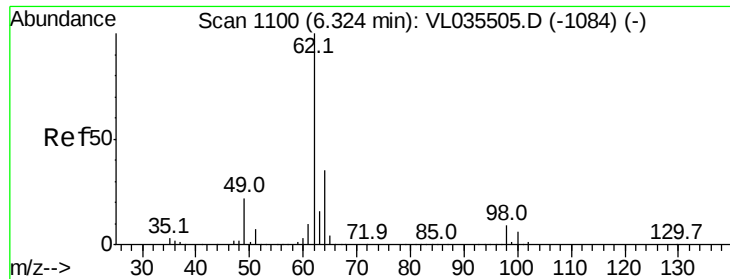
77 23.8 19.3 28.9

50 13.3 11.0 16.6



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





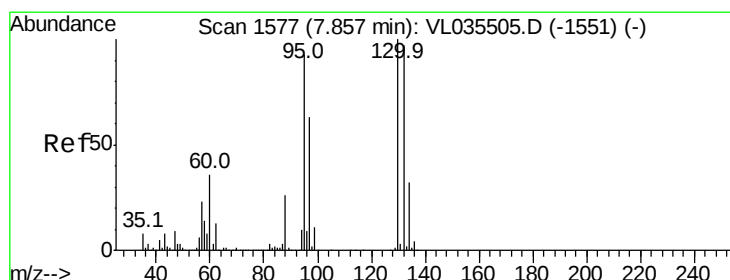
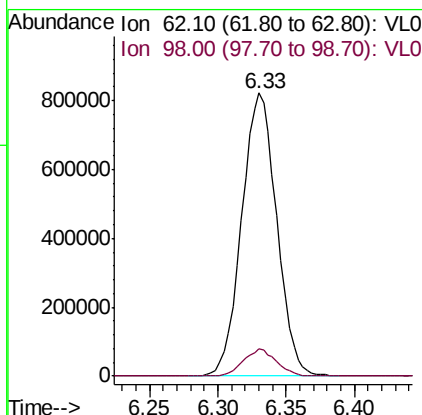
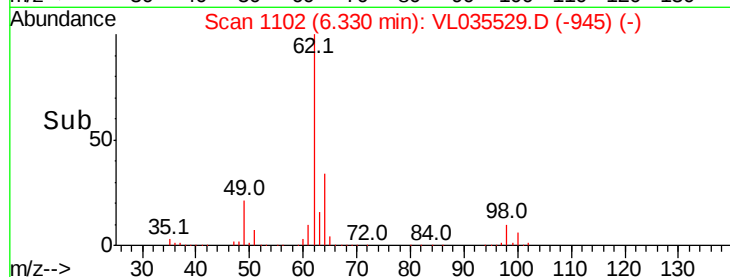
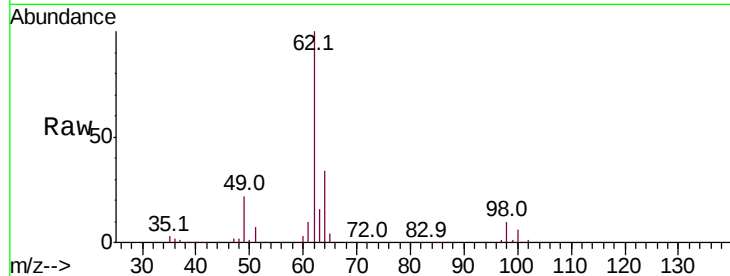
#37
 1,2-Dichloroethane
 Concen: 10.602 ppbv
 RT: 6.33 min Scan# 1102
 Delta R.T. 0.01 min
 Lab File: VL035529.D
 Acq: 3 Sep 2020 13:49

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0903ABS01

Tot Ion: 62 Resp: 1463034
 Ion Ratio Lower Upper
 62 100
 98 9.2 7.4 11.0

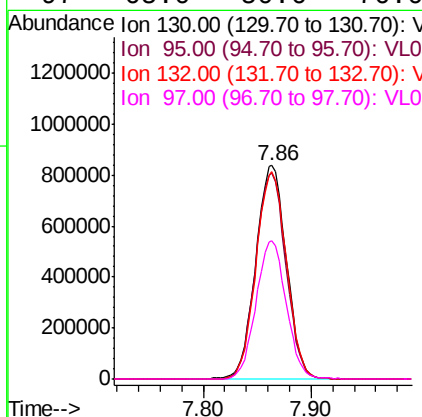
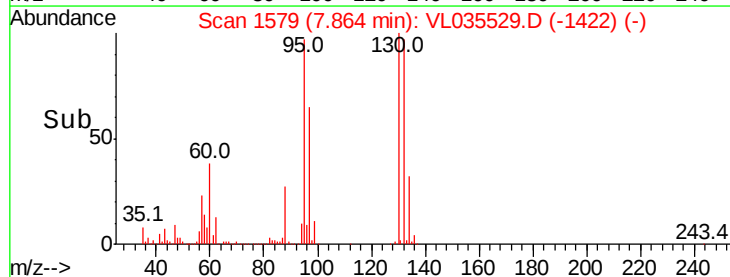
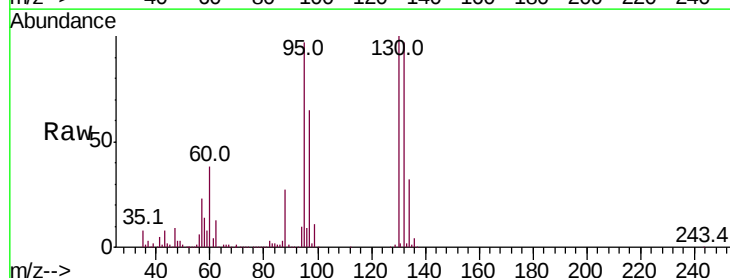
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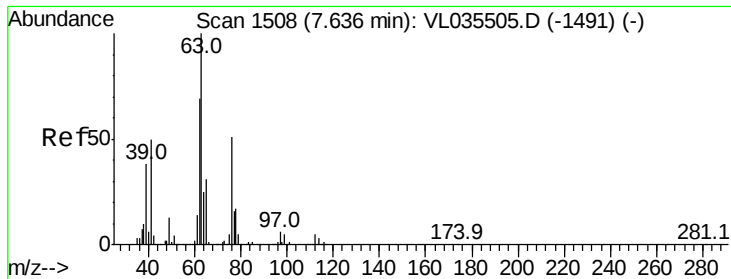
MMDadoda
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#38
 Trichloroethene
 Concen: 9.825 ppbv
 RT: 7.86 min Scan# 1579
 Delta R.T. 0.01 min
 Lab File: VL035529.D
 Acq: 3 Sep 2020 13:49

Tgt Ion:130 Resp: 1651978
 Ion Ratio Lower Upper
 130 100
 95 96.8 74.6 112.0
 132 97.0 77.6 116.4
 97 65.0 50.6 76.0





#39

1,2-Dichloropropane

Concen: 10.566 ppbv

RT: 7.64 min Scan# 1509

Delta R.T. 0.00 min

Lab File: VL035529.D

Acq: 3 Sep 2020 13:49

Instrument :

MSVOA_L

ClientSampleId :

VL0903ABS01

Tot Ion: 63 Resp: 1033188

Ion Ratio Lower Upper

63 100

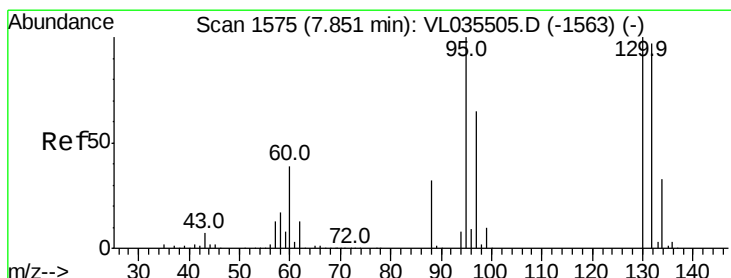
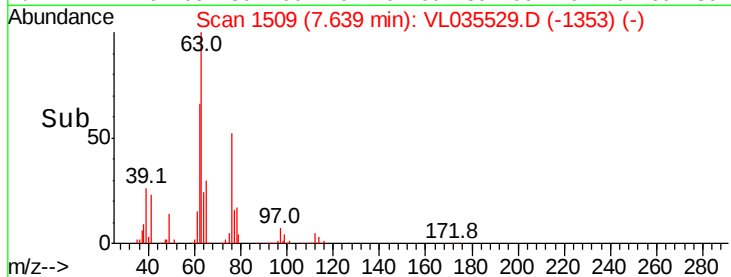
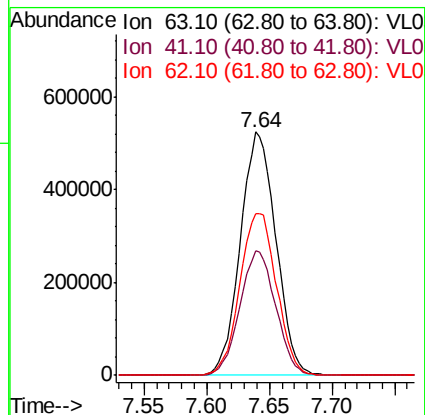
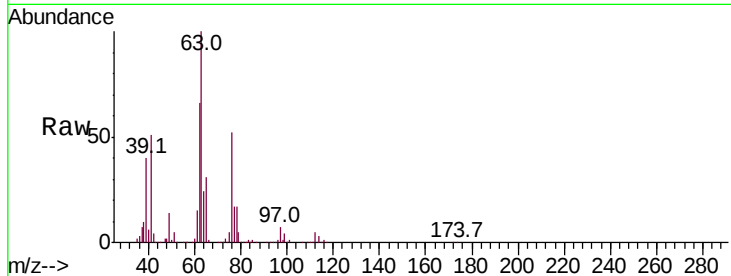
41 51.0 40.0 60.0

62 66.3 55.4 83.0

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#40

1,4-Dioxane

Concen: 11.463 ppbv

RT: 7.86 min Scan# 1577

Delta R.T. 0.01 min

Lab File: VL035529.D

Acq: 3 Sep 2020 13:49

Tgt Ion: 88 Resp: 559947

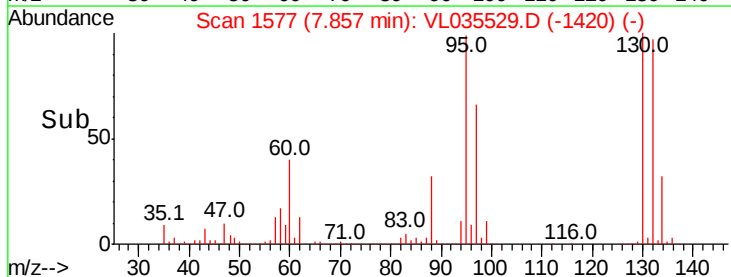
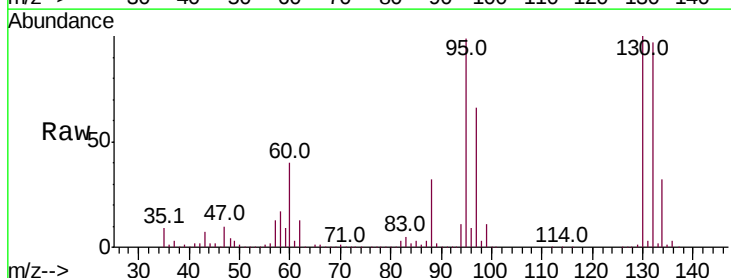
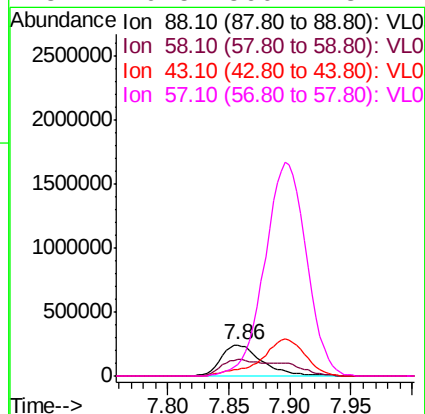
Ion Ratio Lower Upper

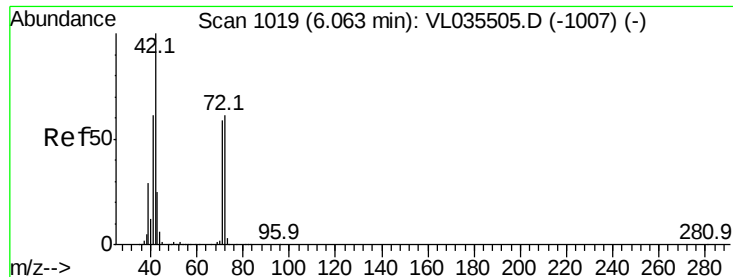
88 100

58 88.5 68.7 103.1

43 131.3 104.3 156.5

57 710.5 560.7 841.1





#41

Tetrahydrofuran

Concen: 11.538 ppbv

RT: 6.07 min Scan# 1021

Delta R.T. 0.01 min

Lab File: VL035529.D

Acq: 3 Sep 2020 13:49

Instrument :

MSVOA_L

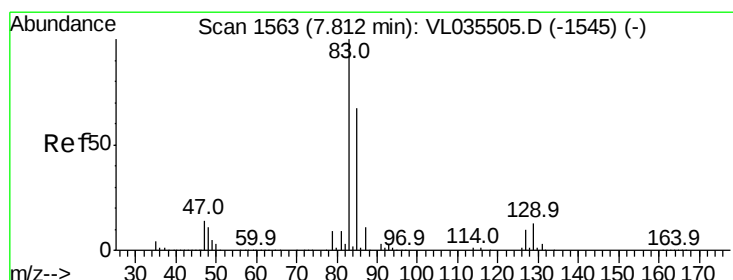
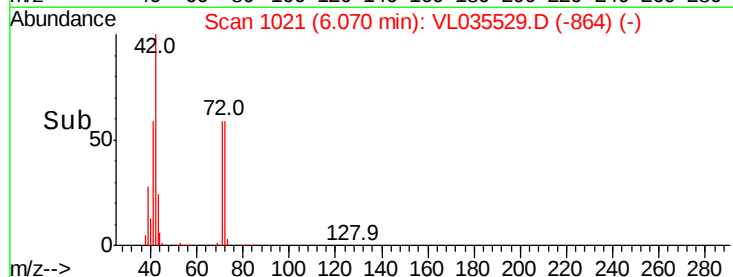
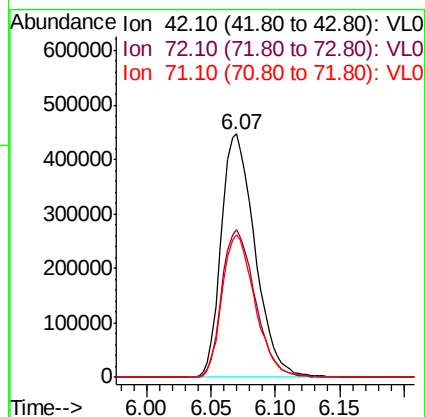
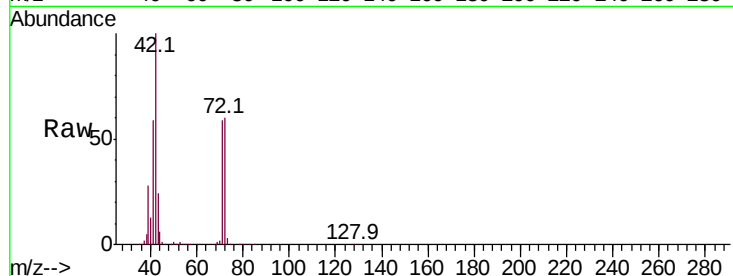
ClientSampleId :

VL0903ABS01

Tot Ion:	42	Resp:	811934
Ion	Ratio	Lower	Upper
42	100		
72	60.4	48.6	73.0
71	57.5	46.1	69.1

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#42

Bromodichloromethane

Concen: 11.361 ppbv

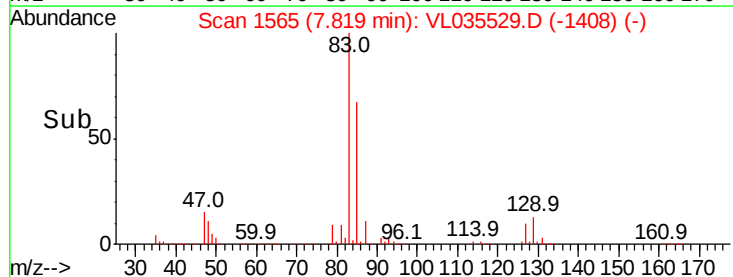
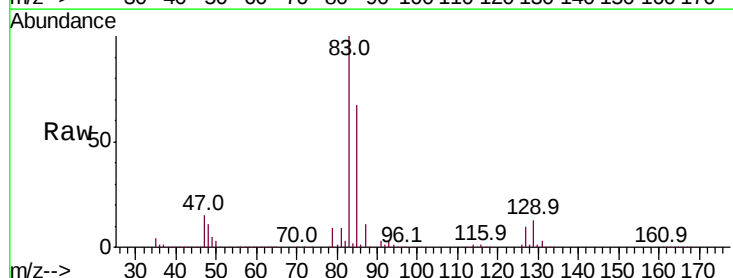
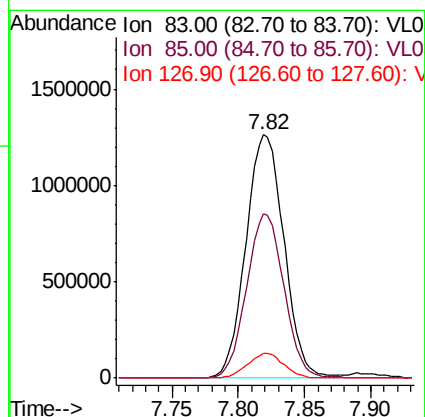
RT: 7.82 min Scan# 1565

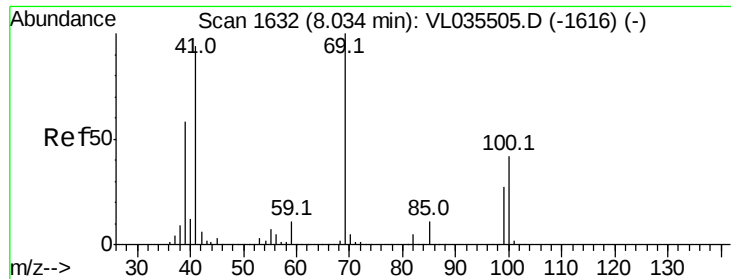
Delta R.T. 0.01 min

Lab File: VL035529.D

Acq: 3 Sep 2020 13:49

Tgt Ion:	83	Resp:	2535451
Ion	Ratio	Lower	Upper
83	100		
85	67.4	53.7	80.5
127	10.0	8.1	12.1





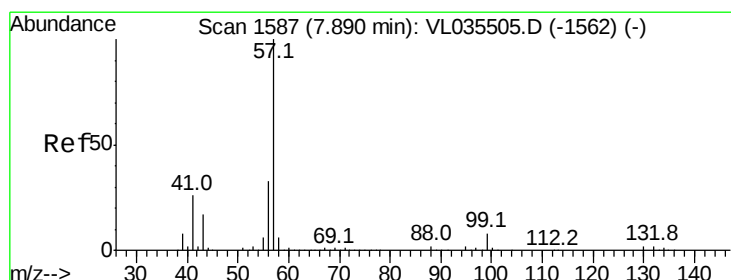
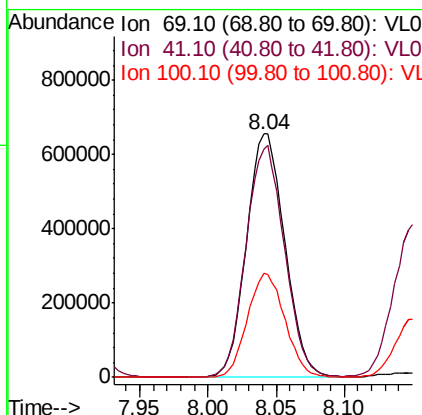
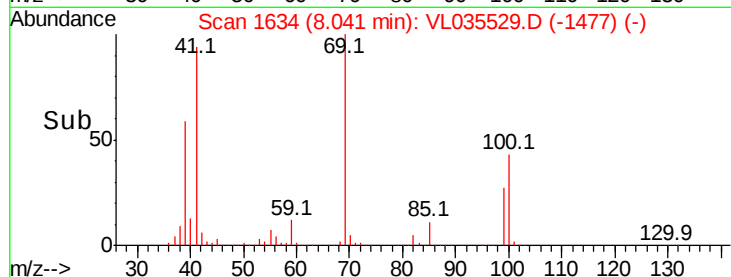
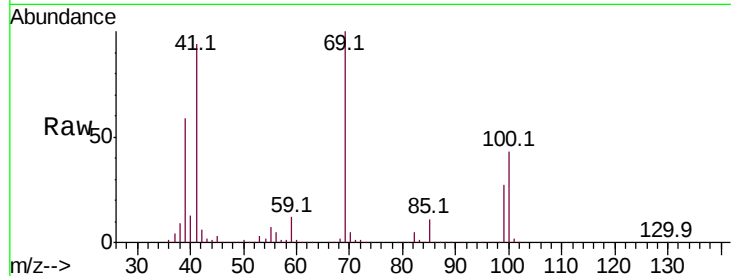
#43
Methyl Methacrylate
Concen: 11.442 ppbv
RT: 8.04 min Scan# 1634
Delta R.T. 0.01 min
Lab File: VL035529.D
Acq: 3 Sep 2020 13:49

Instrument :
MSVOA_L
ClientSampleId :
VL0903ABS01

Tot Ion: 69 Resp: 1280626
Ion Ratio Lower Upper
69 100
41 95.5 76.6 114.8
100 41.9 33.8 50.6

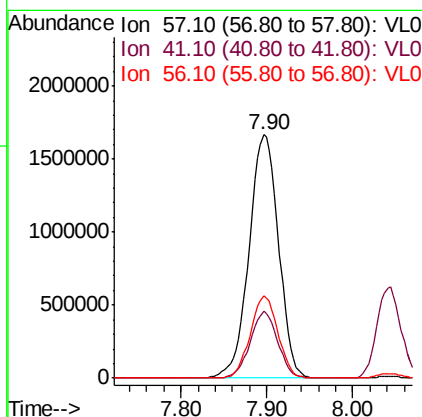
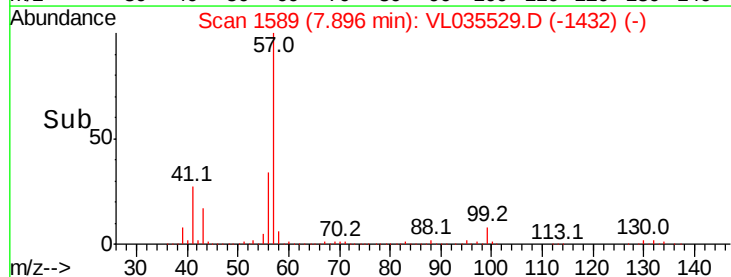
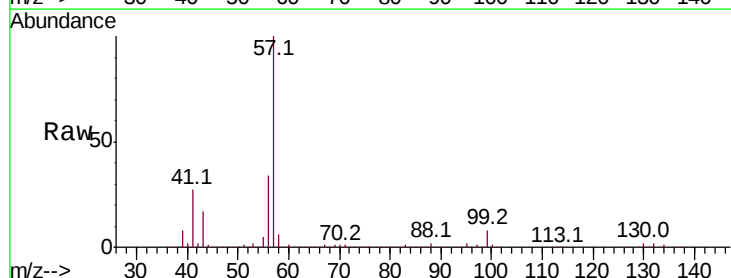
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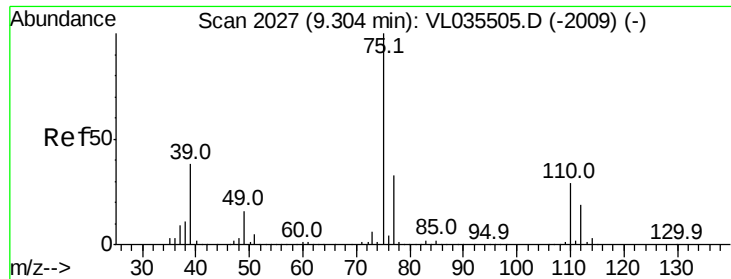
MMDadoda
9/8/2020 4:05:41 PM



#44
2,2,4-Trimethylpentane
Concen: 10.439 ppbv
RT: 7.90 min Scan# 1589
Delta R.T. 0.01 min
Lab File: VL035529.D
Acq: 3 Sep 2020 13:49

Tgt Ion: 57 Resp: 3975702
Ion Ratio Lower Upper
57 100
41 25.6 20.5 30.7
56 31.6 25.3 37.9





#45

t-1,3-Dichloropropene

Concen: 12.786 ppbv

RT: 9.31 min Scan# 2029

Delta R.T. 0.01 min

Lab File: VL035529.D

Acq: 3 Sep 2020 13:49

Tot Ion: 75 Resp: 1449673

Ion Ratio Lower Upper

75 100

77 32.7 26.5 39.7

Instrument :

MSVOA_L

ClientSampleId :

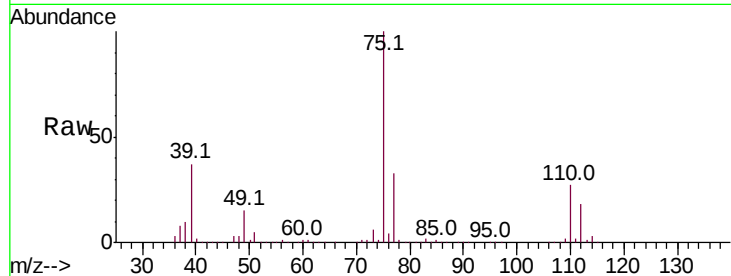
VL0903ABS01

Manual Integrations

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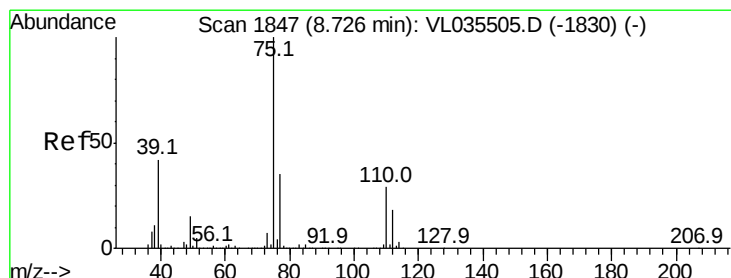
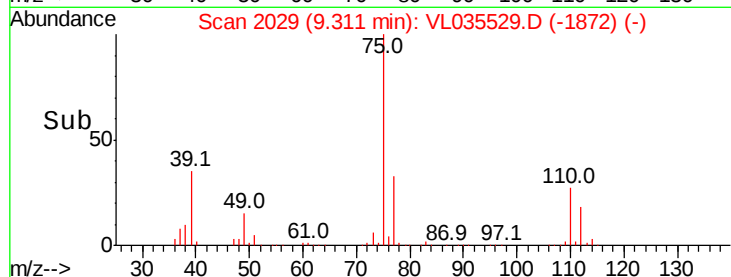
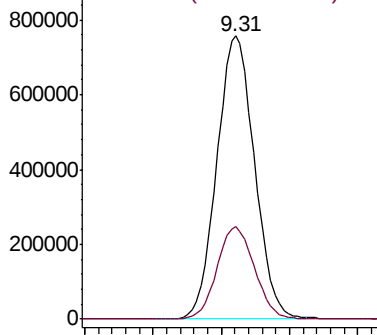
MMDadoda

9/8/2020 4:05:41 PM



Abundance Ion 75.10 (74.80 to 75.80): VL0

Ion 77.10 (76.80 to 77.80): VL0



#46

cis-1,3-Dichloropropene

Concen: 12.244 ppbv

RT: 8.73 min Scan# 1849

Delta R.T. 0.01 min

Lab File: VL035529.D

Acq: 3 Sep 2020 13:49

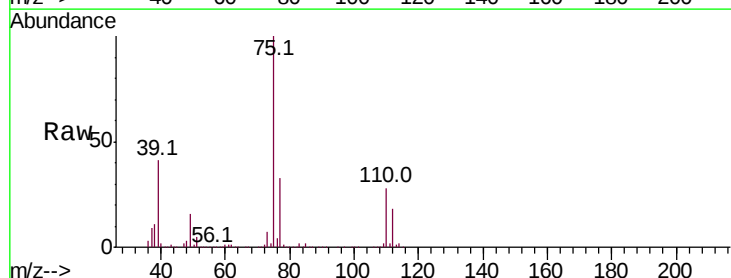
Tgt Ion: 75 Resp: 1723673

Ion Ratio Lower Upper

75 100

39 41.2 33.7 50.5

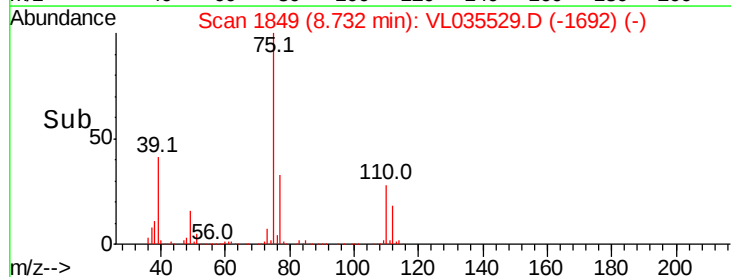
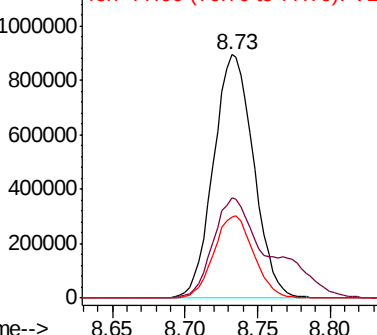
77 33.3 27.8 41.6

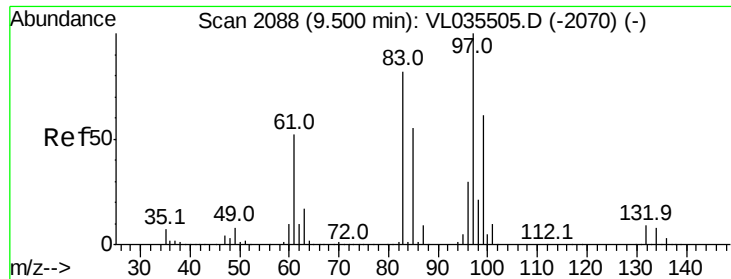


Abundance Ion 75.00 (74.70 to 75.70): VL0

Ion 39.00 (38.70 to 39.70): VL0

Ion 77.00 (76.70 to 77.70): VL0





#47
1,1,2-Trichloroethane
Concen: 10.634 ppbv
RT: 9.51 min Scan# 2091
Delta R.T. 0.01 min
Lab File: VL035529.D
Acq: 3 Sep 2020 13:49

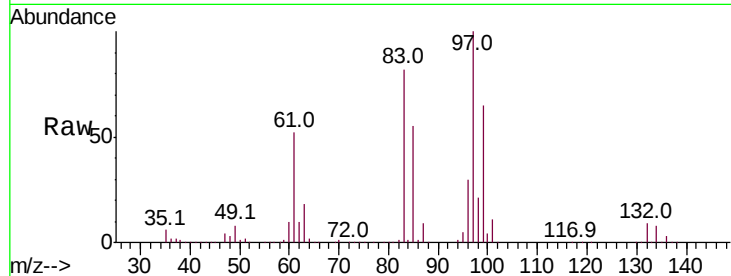
Instrument :
MSVOA_L
ClientSampleId :
VL0903ABS01

Tot Ion: 97 Resp: 1534250

Ion	Ratio	Lower	Upper
97	100		
83	82.4	65.4	98.2
85	54.6	43.7	65.5
99	64.8	49.1	73.7

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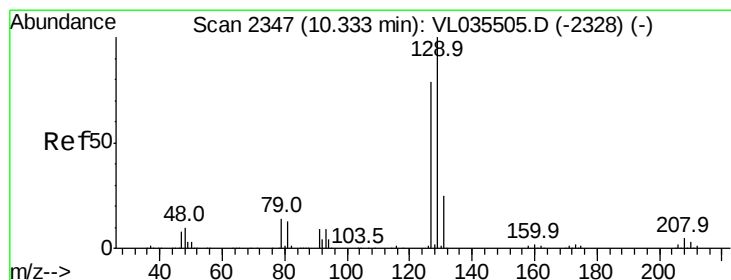
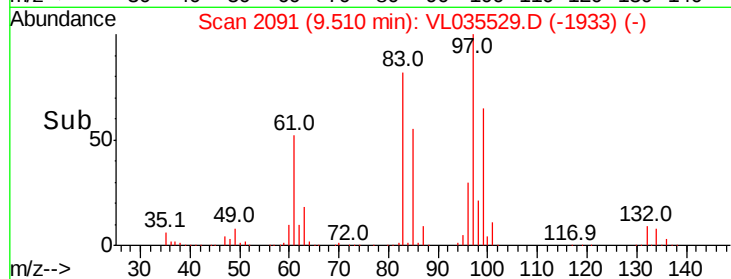
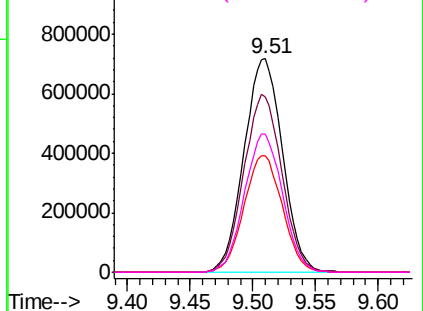
Abundance

Ion 97.00 (96.70 to 97.70): VL0

Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

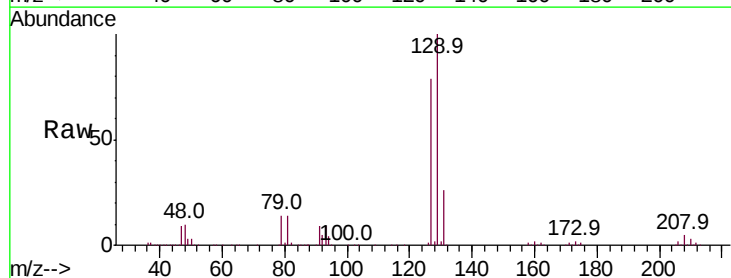
Ion 99.00 (98.70 to 99.70): VL0



#48
Dibromochloromethane
Concen: 11.798 ppbv
RT: 10.34 min Scan# 2349
Delta R.T. 0.01 min
Lab File: VL035529.D
Acq: 3 Sep 2020 13:49

Tgt Ion: 129 Resp: 2679032

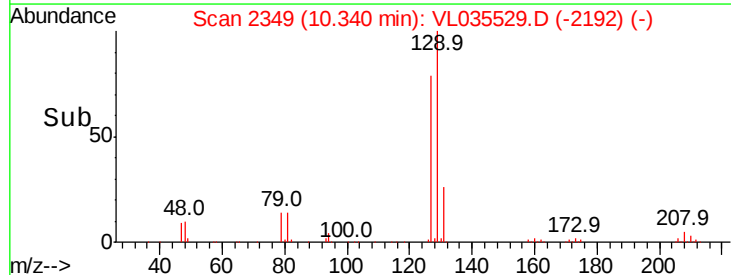
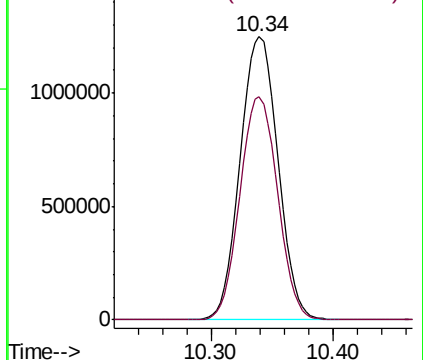
Ion	Ratio	Lower	Upper
129	100		
127	78.7	39.3	117.8

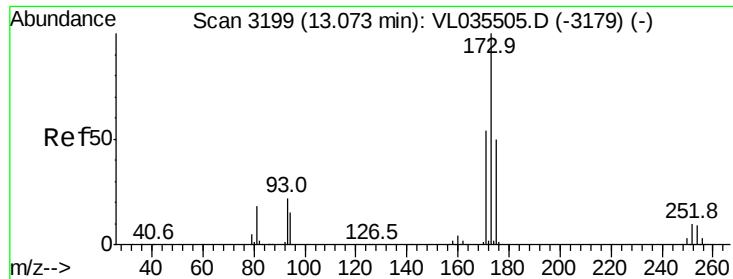


Abundance

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#49

Bromoform

Concen: 12.465 ppbv

RT: 13.08 min Scan# 3202

Delta R.T. 0.01 min

Lab File: VL035529.D

Acq: 3 Sep 2020 13:49

Instrument :

MSVOA_L

ClientSampleId :

VL0903ABS01

Tot Ion:173 Resp: 2565270

Ion Ratio Lower Upper

173 100

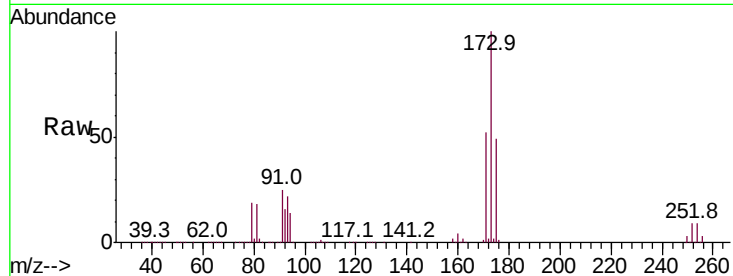
175 50.0 39.8 59.8

171 53.3 42.4 63.6

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Abundance Ion 172.90 (172.60 to 173.60): V

1500000 Ion 174.90 (174.60 to 175.60): V

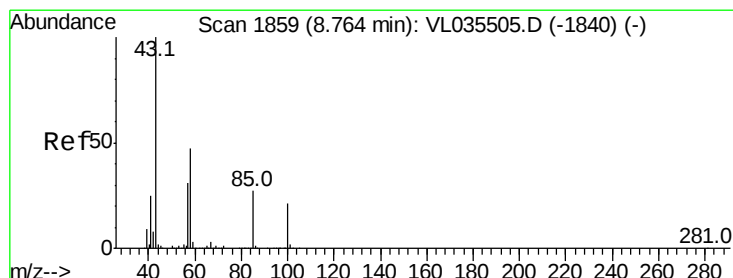
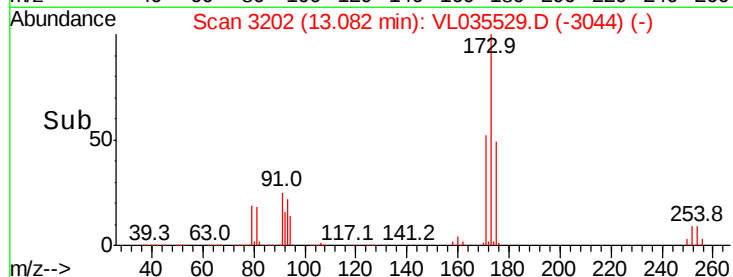
Ion 170.90 (170.60 to 171.60): V

1000000

500000

0

Time-->



#50

4-Methyl-2-Pentanone

Concen: 11.077 ppbv

RT: 8.77 min Scan# 1861

Delta R.T. 0.01 min

Lab File: VL035529.D

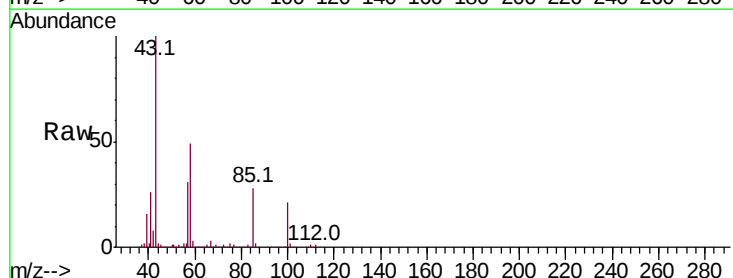
Acq: 3 Sep 2020 13:49

Tgt Ion: 43 Resp: 2128581

Ion Ratio Lower Upper

43 100

58 47.1 37.4 56.0



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

1000000

800000

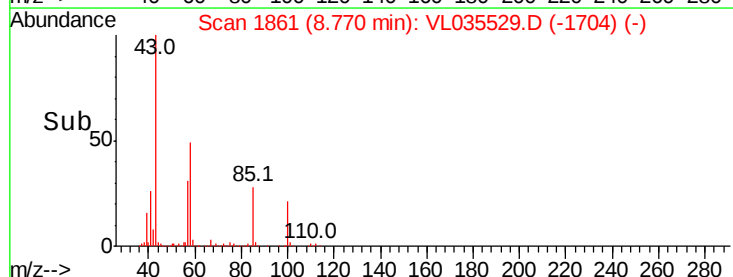
600000

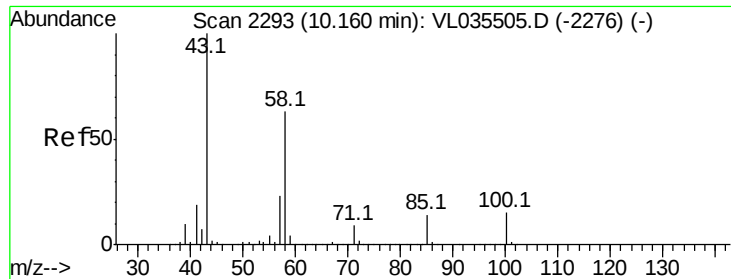
400000

200000

0

Time-->





#51

2-Hexanone

Concen: 11.641 ppbv

RT: 10.17 min Scan# 2295

Delta R.T. 0.01 min

Lab File: VL035529.D

Acq: 3 Sep 2020 13:49

Instrument :

MSVOA_L

ClientSampleId :

VL0903ABS01

Tot Ion: 43 Resp: 1834972

Ion Ratio Lower Upper

43 100

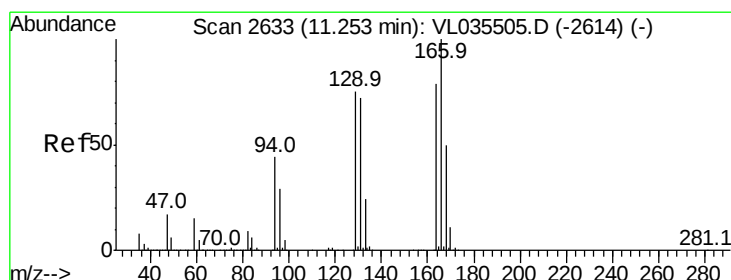
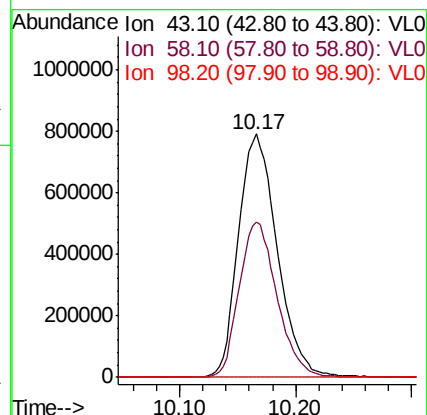
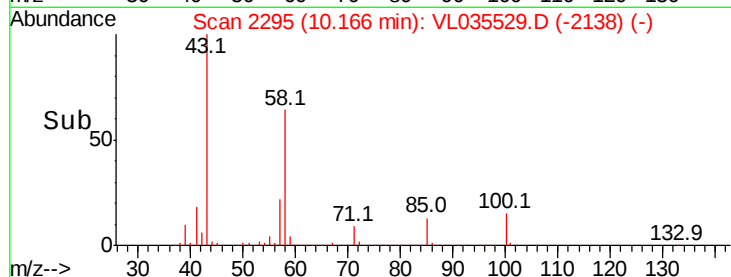
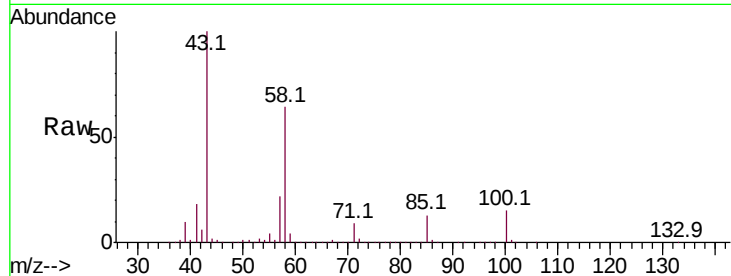
58 62.6 50.2 75.4

98 0.5 0.4 0.6

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#52

Tetrachloroethene

Concen: 10.001 ppbv

RT: 11.26 min Scan# 2635

Delta R.T. 0.01 min

Lab File: VL035529.D

Acq: 3 Sep 2020 13:49

Tgt Ion: 164 Resp: 1691182

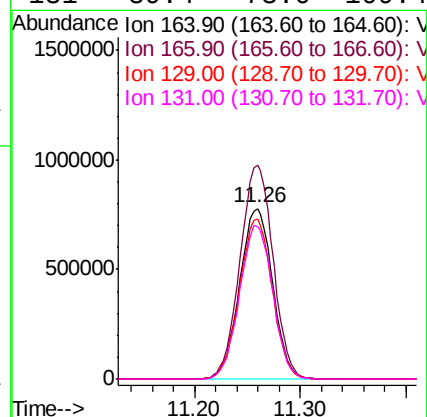
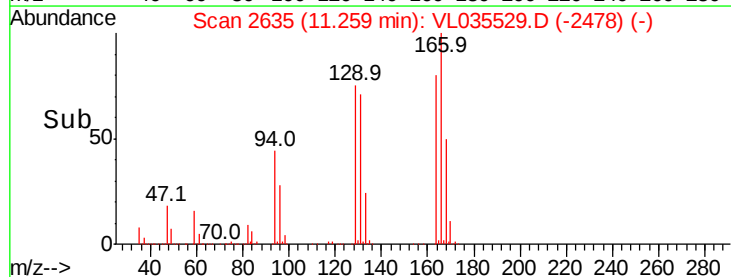
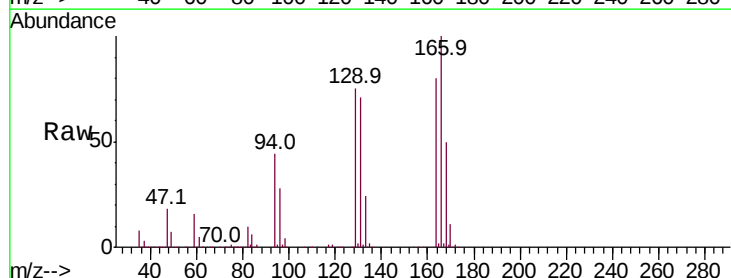
Ion Ratio Lower Upper

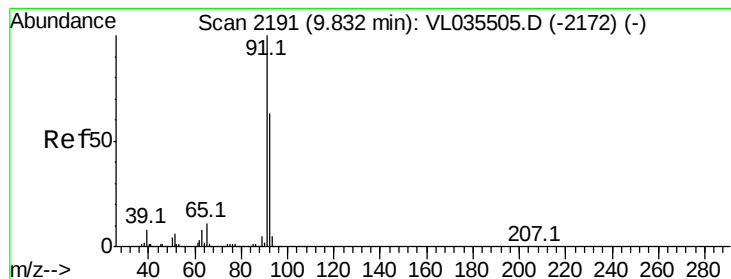
164 100

166 125.2 100.9 151.3

129 93.5 75.3 112.9

131 89.4 73.0 109.4





#53

Toluene

Concen: 10.853 ppbv

RT: 9.84 min Scan# 2193

Delta R.T. 0.01 min

Lab File: VL035529.D

Acq: 3 Sep 2020 13:49

Instrument :

MSVOA_L

ClientSampleId :

VL0903ABS01

Tot Ion: 91 Resp: 3950564

Ion Ratio Lower Upper

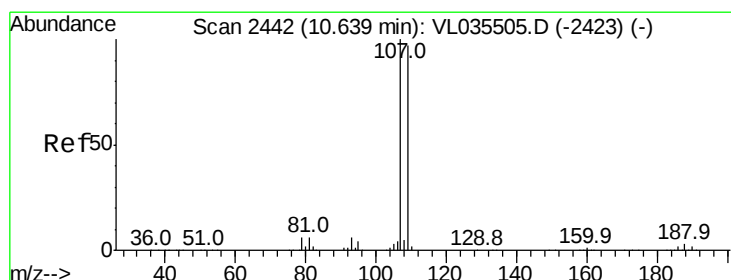
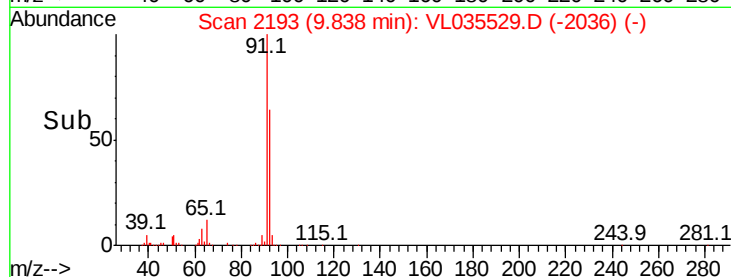
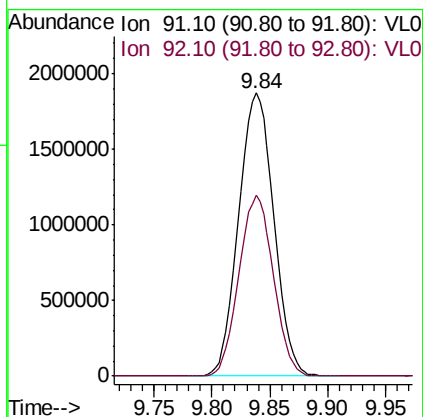
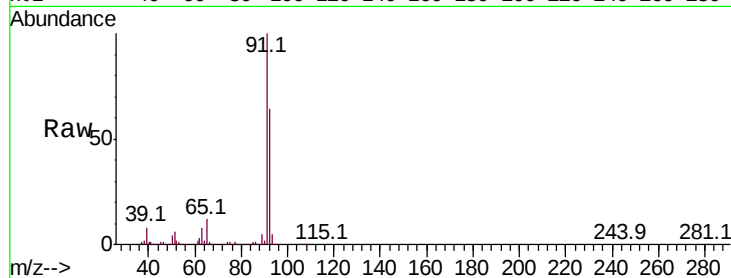
91 100

92 62.6 49.8 74.8

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#54

1,2-Dibromoethane

Concen: 10.781 ppbv

RT: 10.65 min Scan# 2444

Delta R.T. 0.01 min

Lab File: VL035529.D

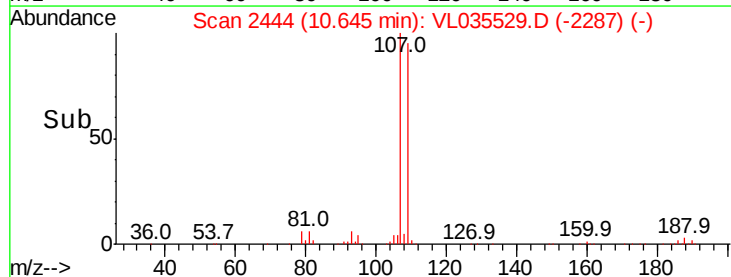
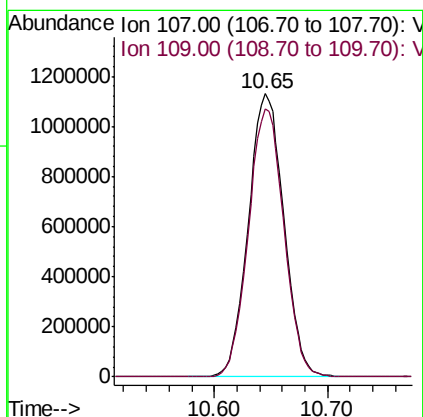
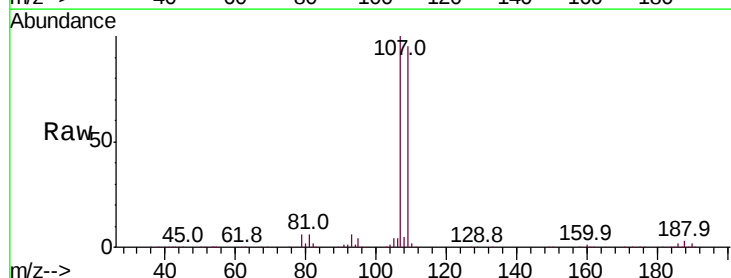
Acq: 3 Sep 2020 13:49

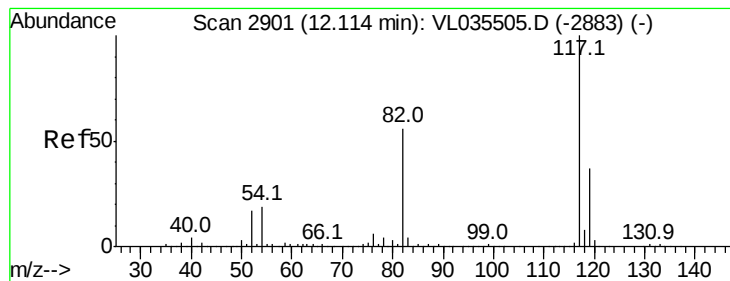
Tgt Ion: 107 Resp: 2457912

Ion Ratio Lower Upper

107 100

109 94.8 77.8 116.8





#55

Chlorobenzene-d5

Concen: 10.000 ppbv m

RT: 12.12 min Scan# 2904

Delta R.T. 0.01 min

Lab File: VL035529.D

Acq: 3 Sep 2020 13:49

Instrument :

MSVOA_L

ClientSampleId :

VL0903ABS01

Tot Ion:117 Resp: 4663443

Ion Ratio Lower Upper

117 100

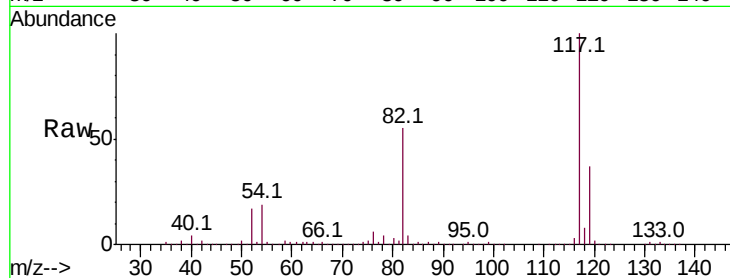
82 53.6 41.6 62.4

119 35.4 29.3 43.9

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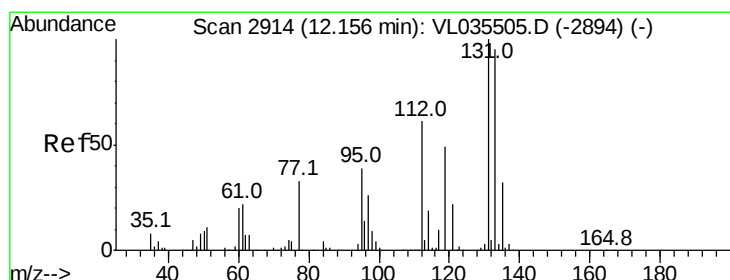
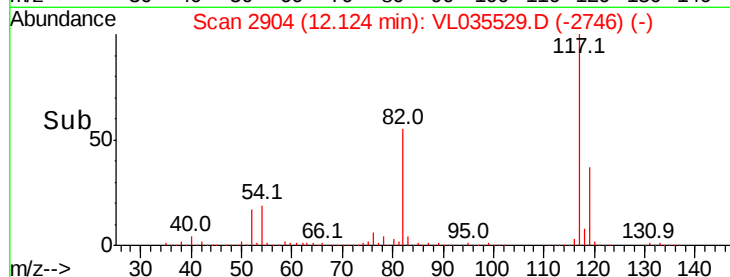
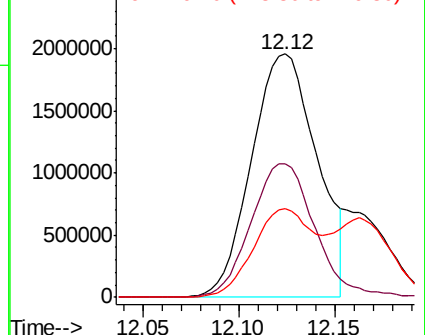


Abundance

Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): V

Ion 119.10 (118.80 to 119.80): V



#56

1,1,1,2-Tetrachloroethane

Concen: 11.120 ppbv

RT: 12.16 min Scan# 2916

Delta R.T. 0.01 min

Lab File: VL035529.D

Acq: 3 Sep 2020 13:49

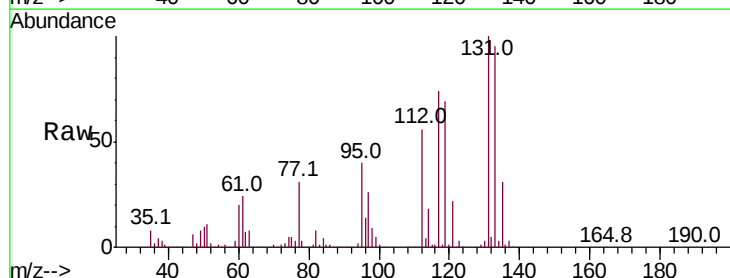
Tgt Ion:131 Resp: 2110020

Ion Ratio Lower Upper

131 100

133 95.6 76.6 115.0

119 59.4 51.6 77.4

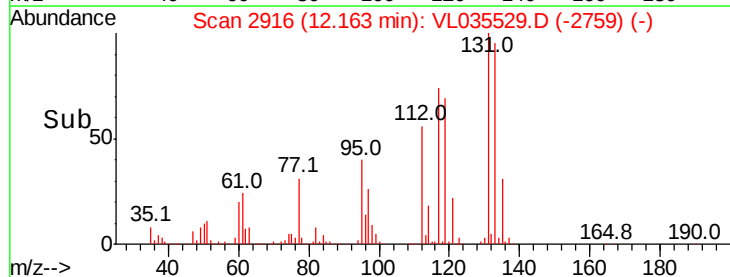
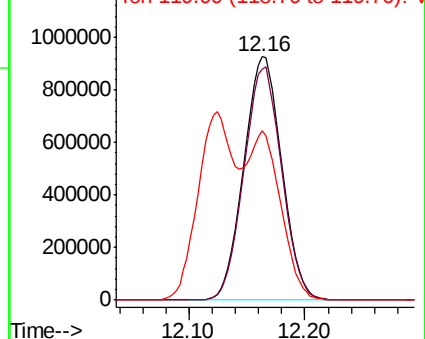


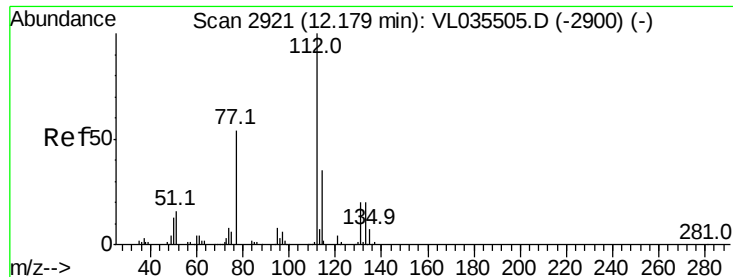
Abundance

Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V





#57

Chlorobenzene

Concen: 9.893 ppbv

RT: 12.18 min Scan# 2922

Delta R.T. 0.00 min

Lab File: VL035529.D

Acq: 3 Sep 2020 13:49

Instrument :

MSVOA_L

ClientSampleId :

VL0903ABS01

Tot Ion: 112 Resp: 3395430

Ion Ratio Lower Upper

112 100

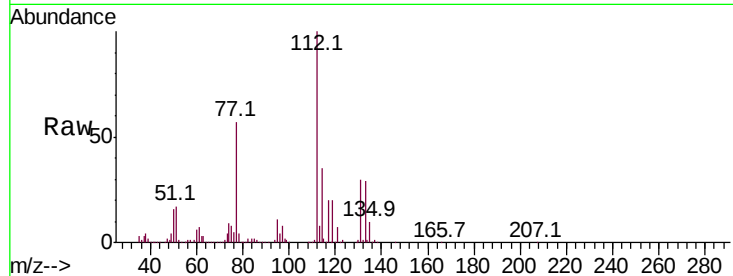
77 56.6 44.2 66.4

114 35.2 31.6 38.6

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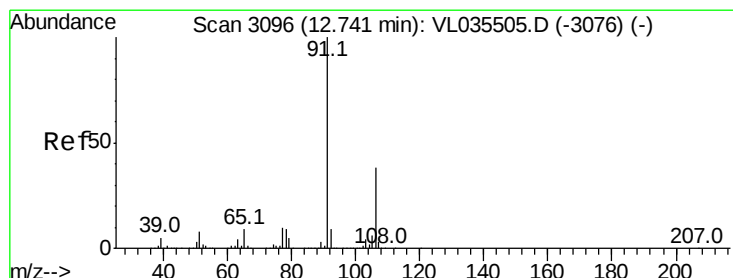
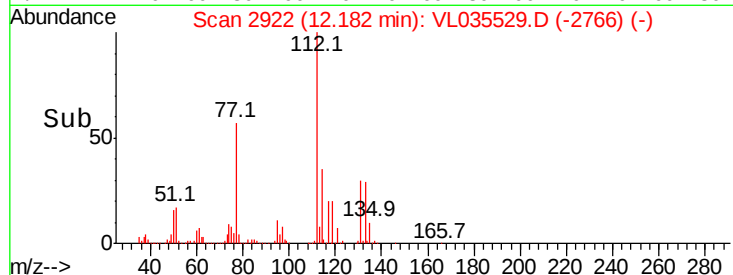
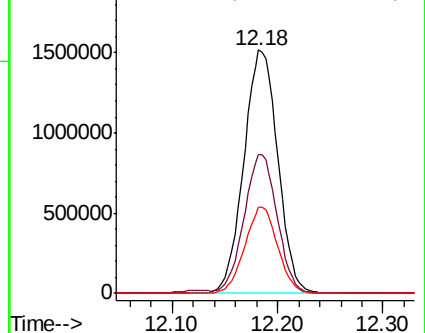
9/8/2020 4:05:41 PM



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: 10.698 ppbv

RT: 12.75 min Scan# 3098

Delta R.T. 0.01 min

Lab File: VL035529.D

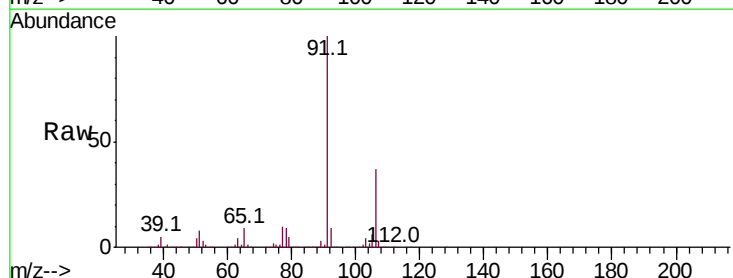
Acq: 3 Sep 2020 13:49

Tgt Ion: 91 Resp: 5144655

Ion Ratio Lower Upper

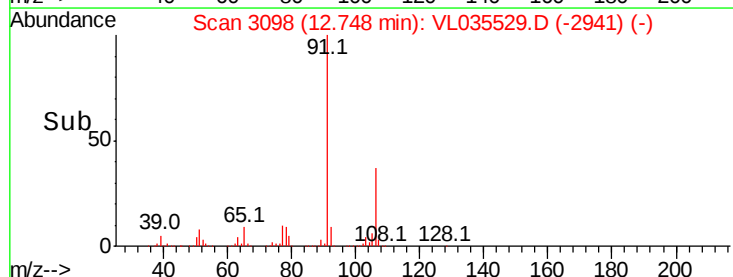
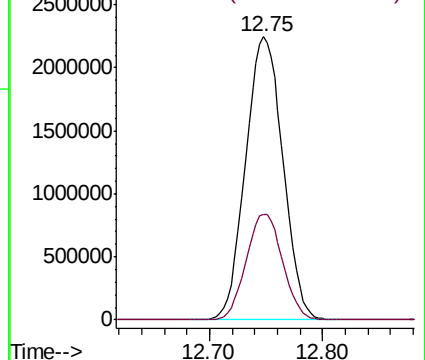
91 100

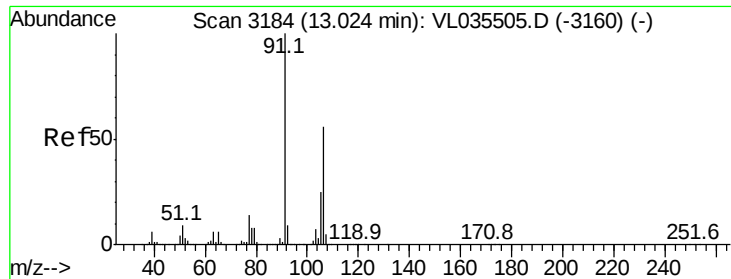
106 37.1 30.3 45.5



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





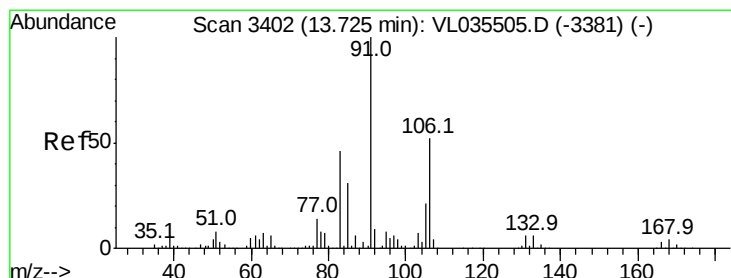
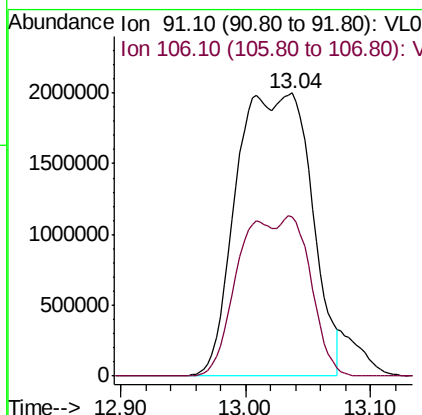
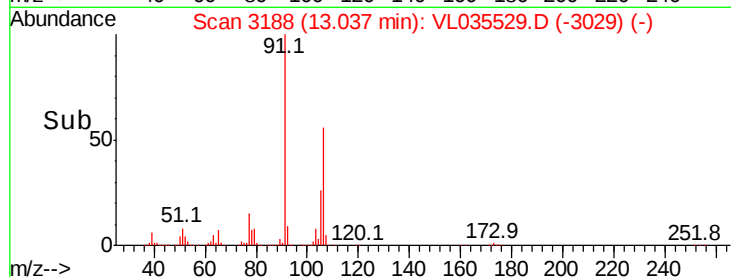
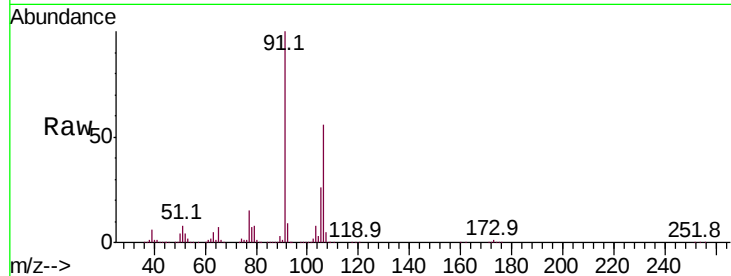
#59
m/p-Xylene
Concen: 20.660 ppbv m
RT: 13.04 min Scan# 3188
Delta R.T. 0.01 min
Lab File: VL035529.D
Acq: 3 Sep 2020 13:49

Instrument :
MSVOA_L
ClientSampleId :
VL0903ABS01

Tot Ion: 91 Resp: 8301905
Ion Ratio Lower Upper
91 100
106 54.1 43.4 65.2

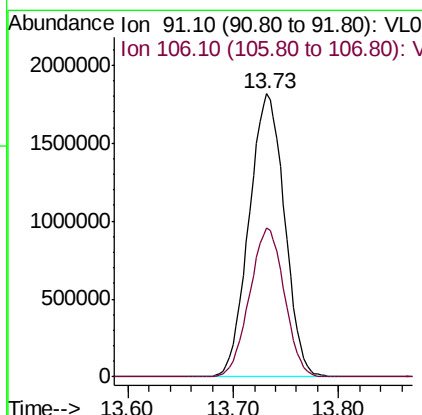
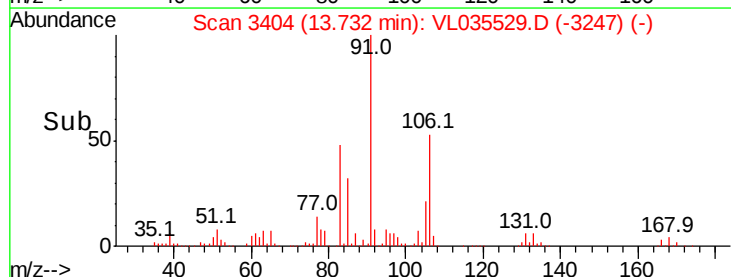
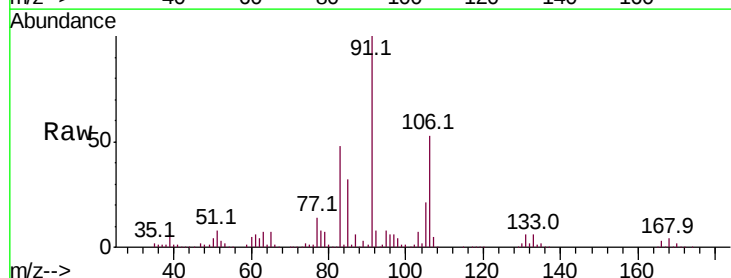
Manual Integrations
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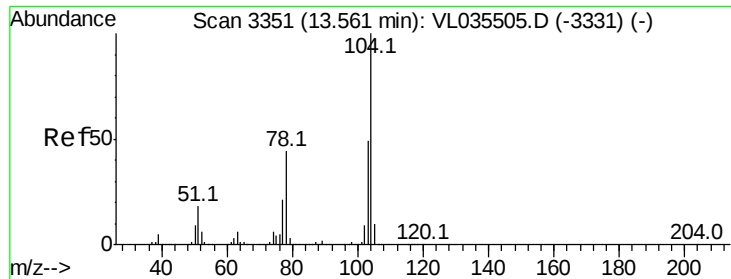
MMDadoda
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#60
o-Xylene
Concen: 10.515 ppbv
RT: 13.73 min Scan# 3404
Delta R.T. 0.01 min
Lab File: VL035529.D
Acq: 3 Sep 2020 13:49

Tgt Ion: 91 Resp: 4255390
Ion Ratio Lower Upper
91 100
106 51.7 25.8 77.4





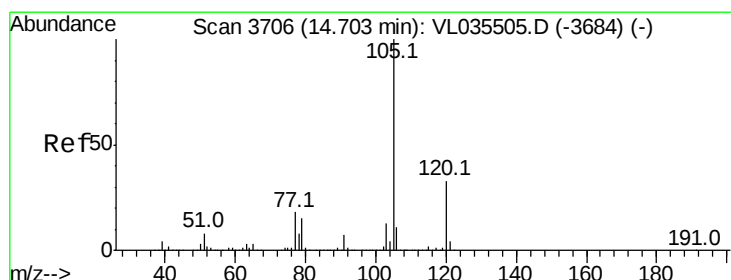
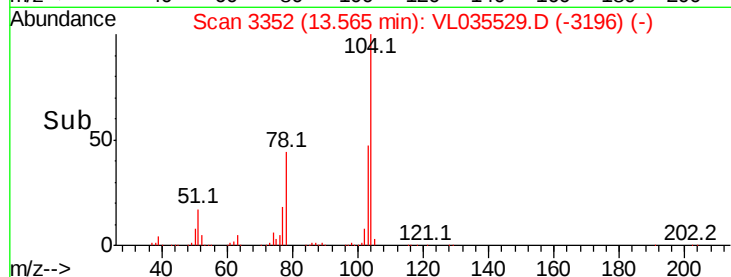
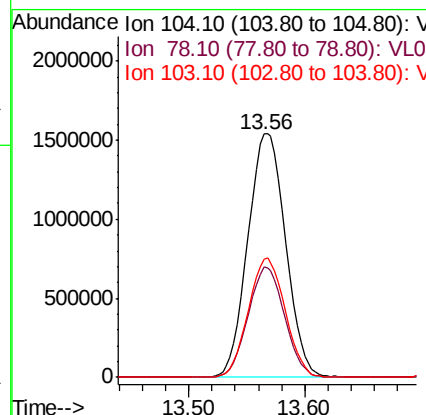
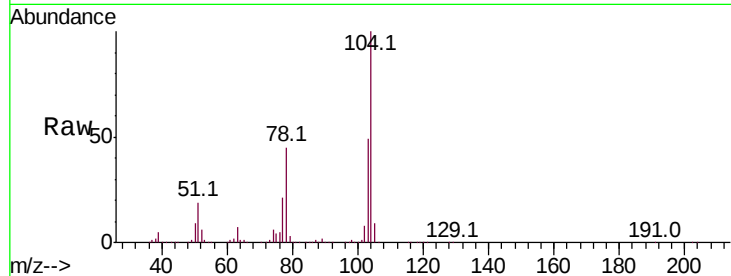
#61
Stvrene
Concen: 11.288 ppbv
RT: 13.56 min Scan# 3352
Delta R.T. 0.00 min
Lab File: VL035529.D
Acq: 3 Sep 2020 13:49

Instrument :
MSVOA_L
ClientSampleId :
VL0903ABS01

Tot Ion:104 Resp: 3494053
Ion Ratio Lower Upper
104 100
78 44.0 34.8 52.2
103 47.8 38.2 57.4

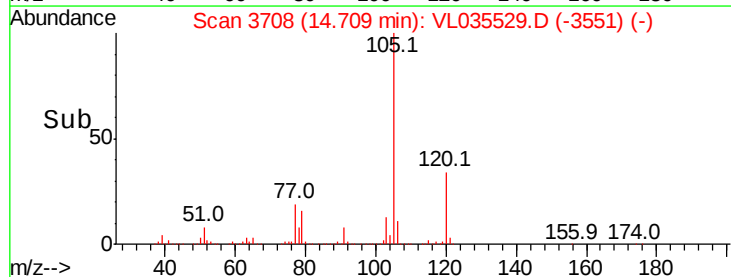
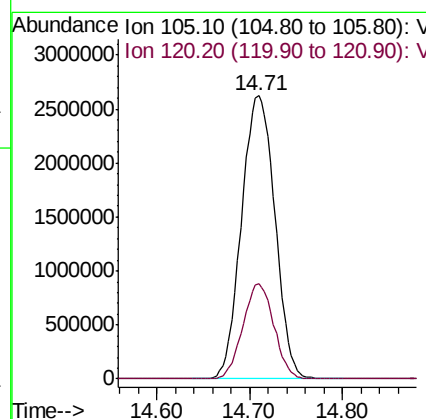
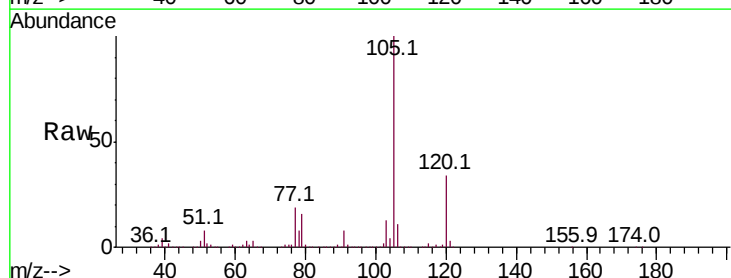
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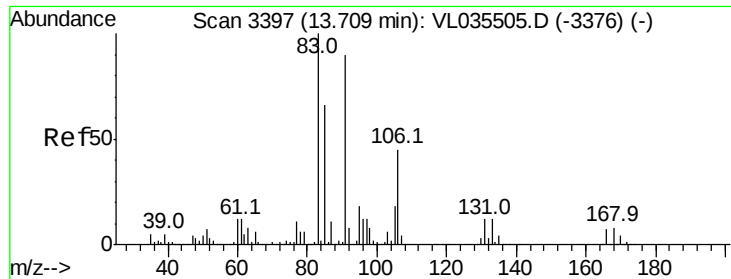
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#62
Isopropylbenzene
Concen: 10.091 ppbv
RT: 14.71 min Scan# 3708
Delta R.T. 0.01 min
Lab File: VL035529.D
Acq: 3 Sep 2020 13:49

Tgt Ion:105 Resp: 6560218
Ion Ratio Lower Upper
105 100
120 31.1 25.0 37.4





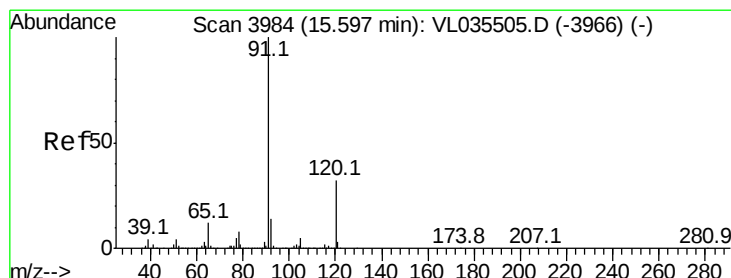
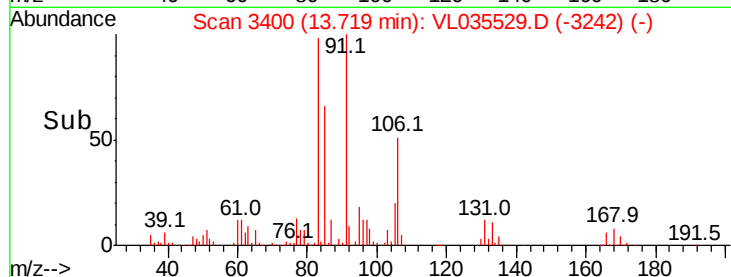
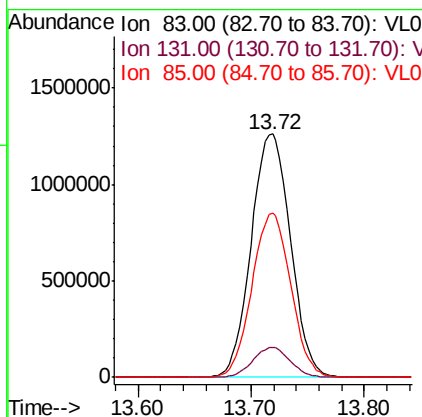
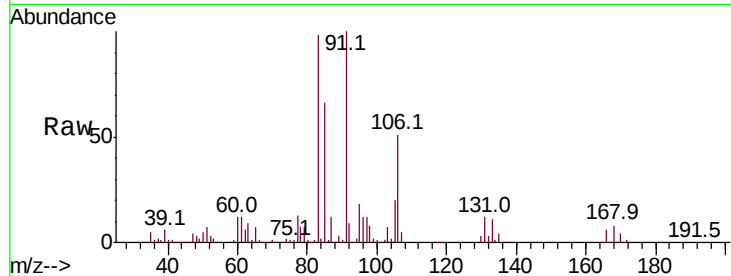
#63
 1,1,2,2-Tetrachloroethane
 Concen: 9.710 ppbv
 RT: 13.72 min Scan# 3400
 Delta R.T. 0.01 min
 Lab File: VL035529.D
 Acq: 3 Sep 2020 13:49

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0903ABS01

Tot Ion: 83 Resp: 3046738
 Ion Ratio Lower Upper
 83 100
 131 11.8 6.0 18.0
 85 66.7 33.4 100.2

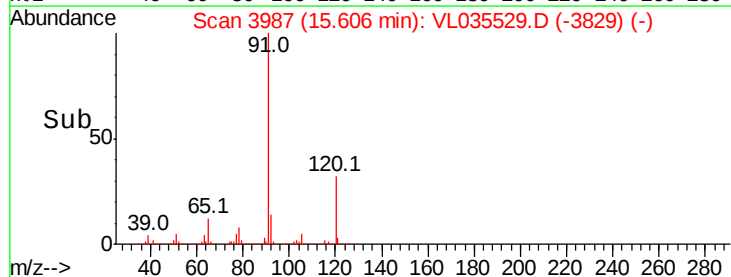
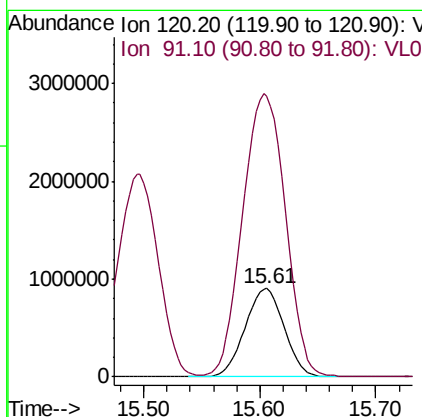
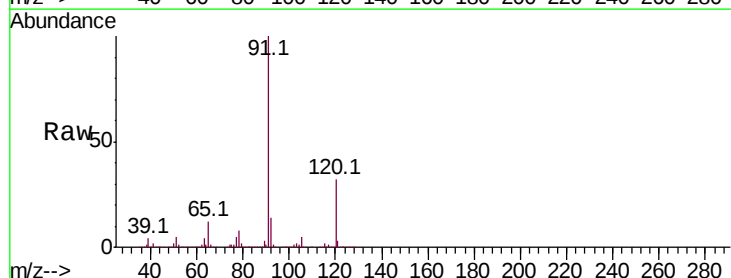
Manual Integrations
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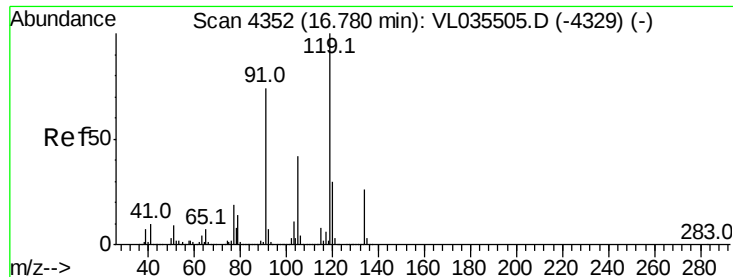
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#64
 n-propylbenzene
 Concen: 10.655 ppbv
 RT: 15.61 min Scan# 3987
 Delta R.T. 0.01 min
 Lab File: VL035529.D
 Acq: 3 Sep 2020 13:49

Tgt Ion:120 Resp: 2113938
 Ion Ratio Lower Upper
 120 100
 91 352.1 279.4 419.0





#65

tert-Butylbenzene

Concen: 10.374 ppbv

RT: 16.79 min Scan# 4355

Delta R.T. 0.01 min

Lab File: VL035529.D

Acq: 3 Sep 2020 13:49

Instrument :

MSVOA_L

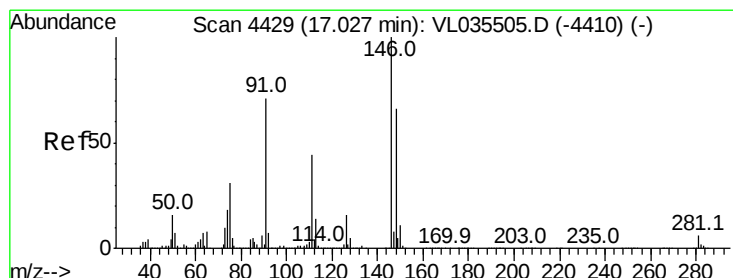
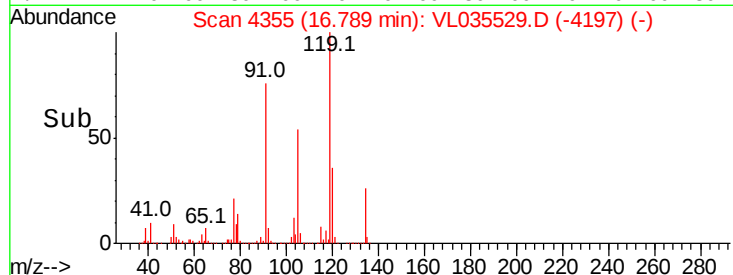
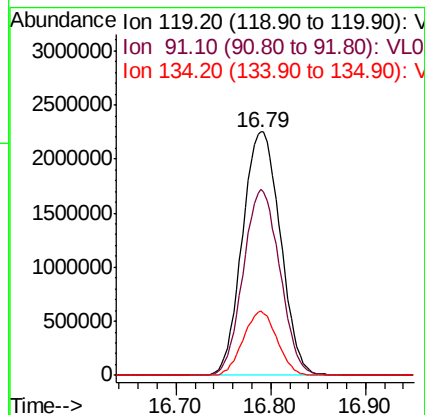
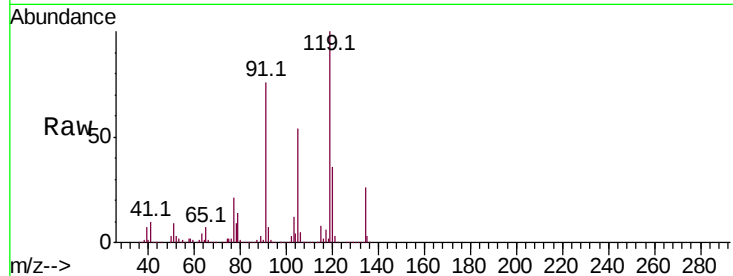
ClientSampleId :

VL0903ABS01

Tot Ion:	119	Resp:	6269455
Ion	Ratio	Lower	Upper
119	100		
91	73.8	58.6	87.8
134	23.6	18.9	28.3

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#66

Benzyl Chloride

Concen: 14.271 ppbv

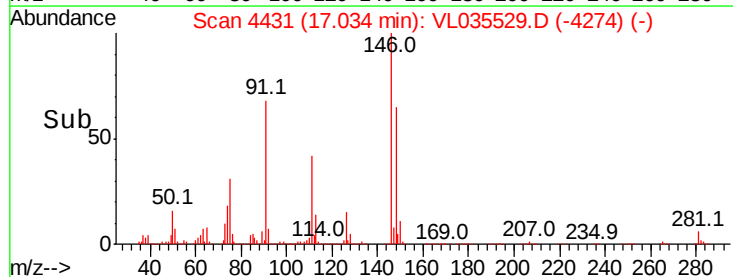
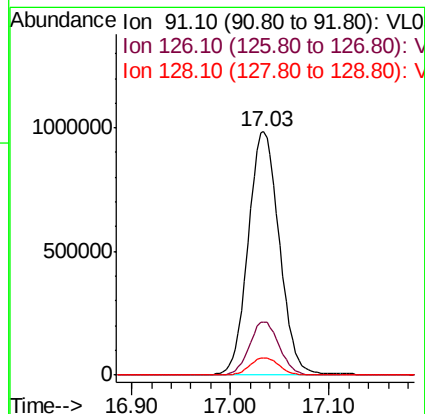
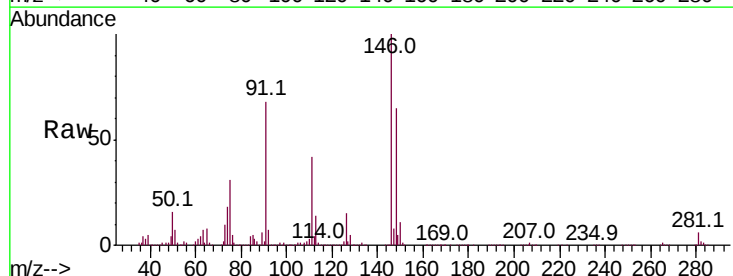
RT: 17.03 min Scan# 4431

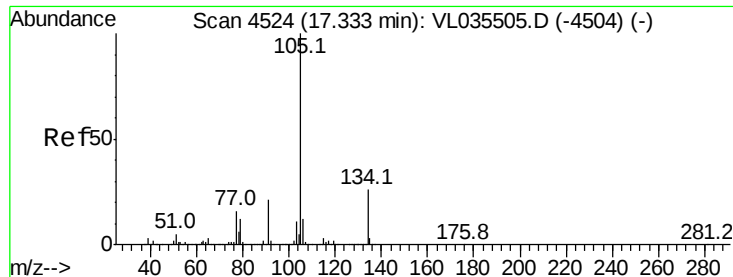
Delta R.T. 0.01 min

Lab File: VL035529.D

Acq: 3 Sep 2020 13:49

Tgt Ion:	91	Resp:	2143361
Ion	Ratio	Lower	Upper
91	100		
126	21.0	17.2	25.8
128	6.7	5.5	8.3





#67

sec-Butylbenzene

Concen: 10.100 ppbv

RT: 17.34 min Scan# 4526

Delta R.T. 0.01 min

Lab File: VL035529.D

Acq: 3 Sep 2020 13:49

Instrument :

MSVOA_L

ClientSampleId :

VL0903ABS01

Tot Ion:105 Resp: 8131697

Ion Ratio Lower Upper

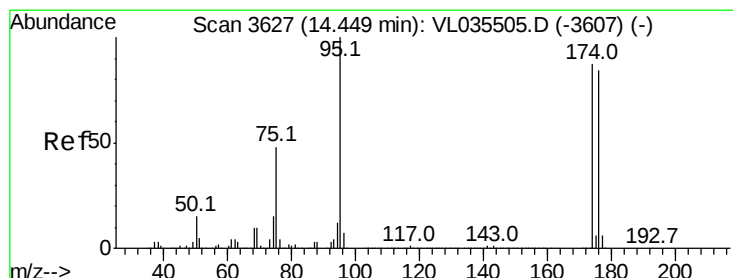
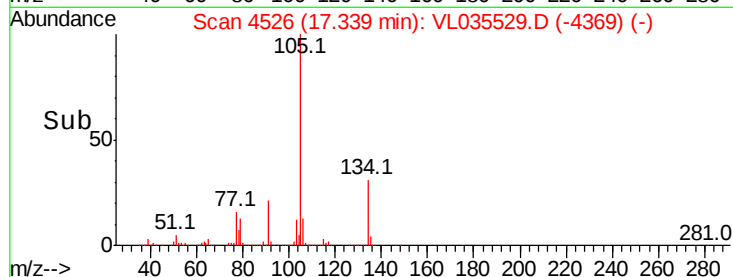
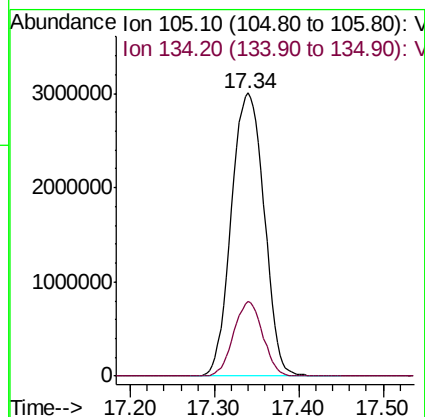
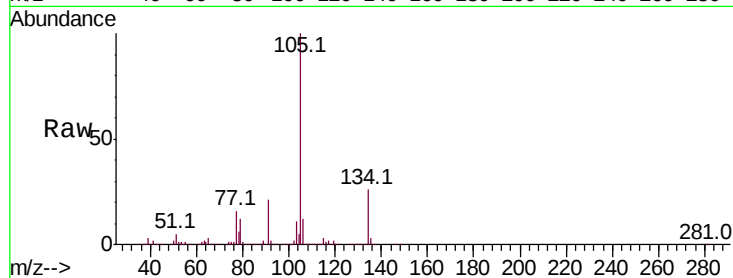
105 100

134 23.6 19.1 28.7

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#68

1-Bromo-4-Fluorobenzene

Concen: 10.031 ppbv

RT: 14.46 min Scan# 3629

Delta R.T. 0.01 min

Lab File: VL035529.D

Acq: 3 Sep 2020 13:49

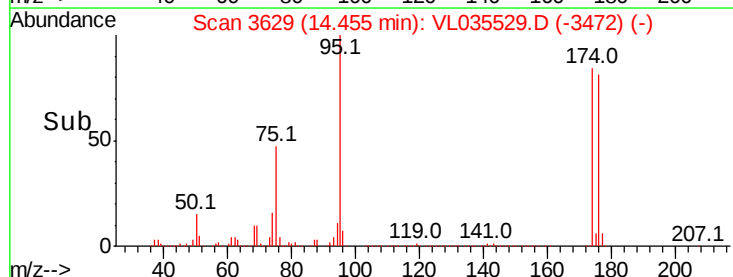
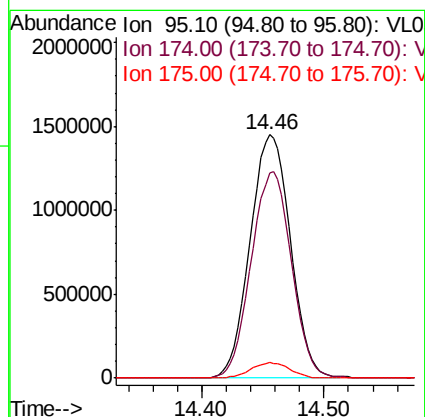
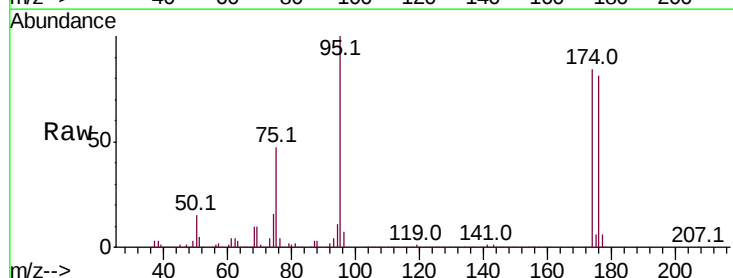
Tgt Ion: 95 Resp: 3322128

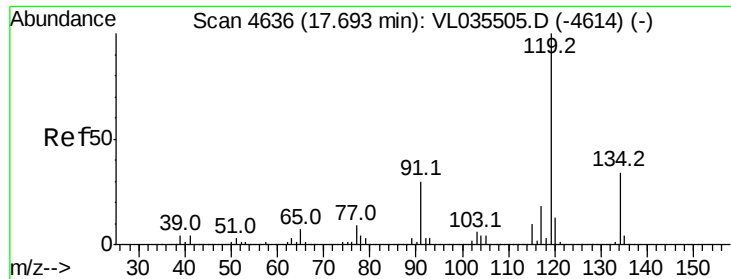
Ion Ratio Lower Upper

95 100

174 85.3 69.6 104.4

175 6.2 5.1 7.7





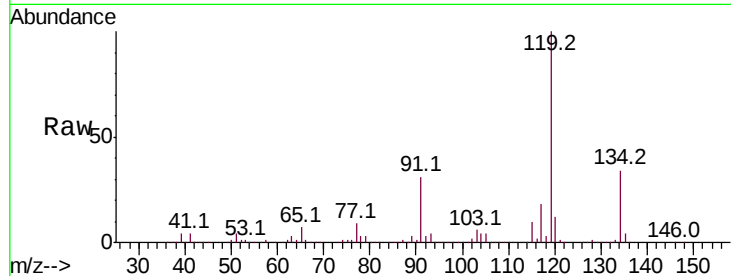
#69
p-Isopropyltoluene
Concen: 10.137 ppbv
RT: 17.70 min Scan# 4638
Delta R.T. 0.01 min
Lab File: VL035529.D
Acq: 3 Sep 2020 13:49

Instrument :
MSVOA_L
ClientSampleId :
VL0903ABS01

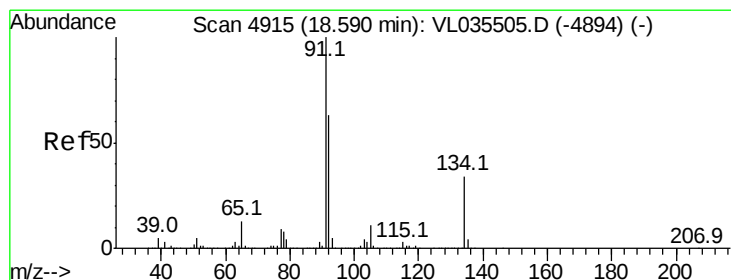
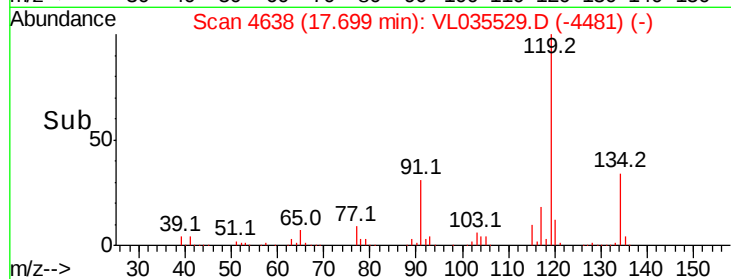
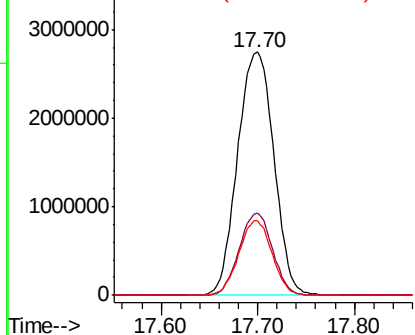
Tot Ion	Ratio	Lower	Upper
119	100		
134	31.1	25.0	37.4
91	28.2	22.3	33.5

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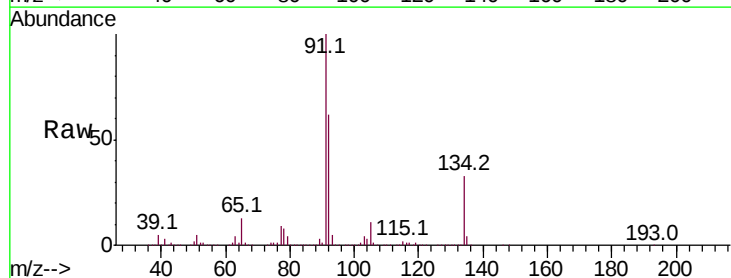


Abundance Ion 119.10 (118.80 to 119.80): V
Ion 134.20 (133.90 to 134.90): V
Ion 91.10 (90.80 to 91.80): V

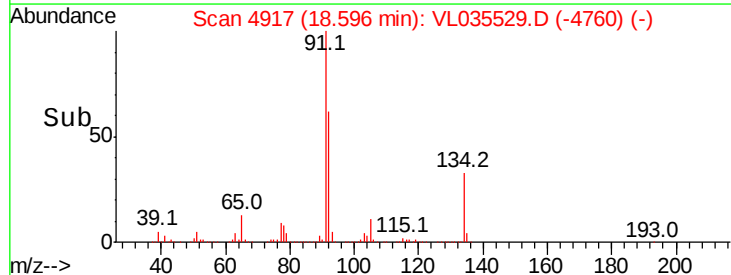
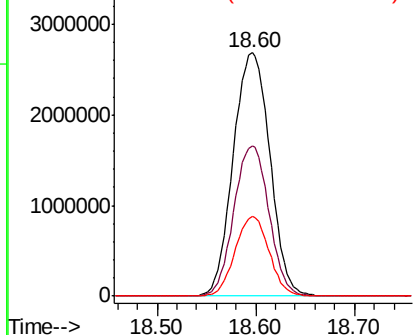


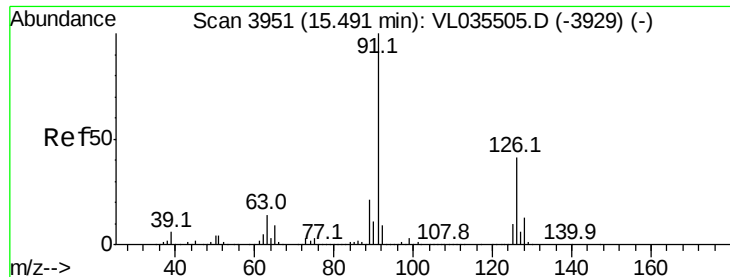
#70
n-Butylbenzene
Concen: 10.211 ppbv
RT: 18.60 min Scan# 4917
Delta R.T. 0.01 min
Lab File: VL035529.D
Acq: 3 Sep 2020 13:49

Tgt Ion	Ratio	Lower	Upper
91	100		
92	59.1	47.3	70.9
134	30.3	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: 10.610 ppbv

RT: 15.49 min Scan# 3952

Delta R.T. 0.00 min

Lab File: VL035529.D

Acq: 3 Sep 2020 13:49

Instrument :

MSVOA_L

ClientSampleId :

VL0903ABS01

Tot Ion: 91 Resp: 5023073

Ion Ratio Lower Upper

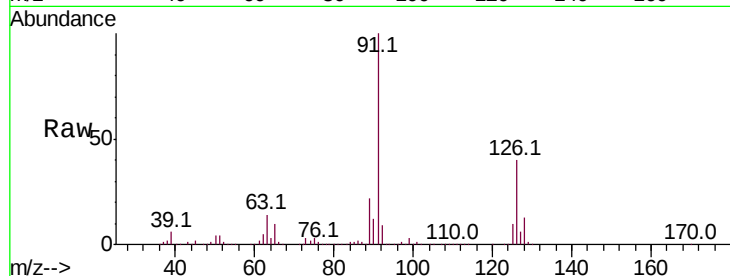
91 100

126 38.8 15.6 62.6

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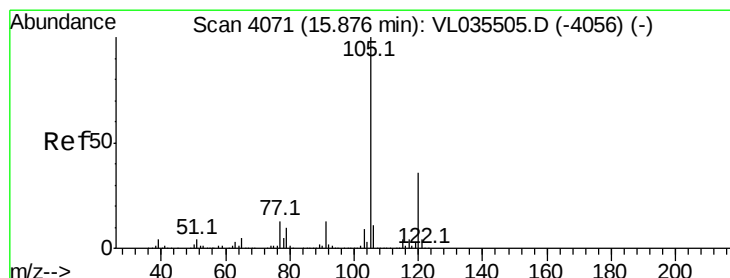
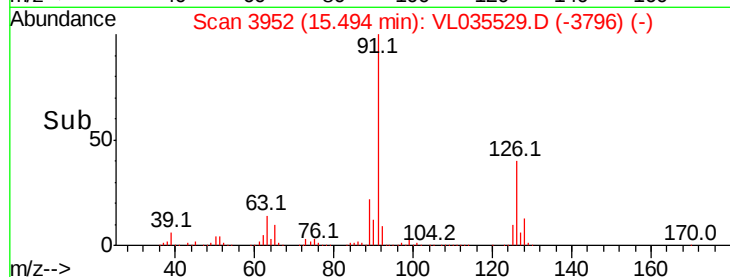
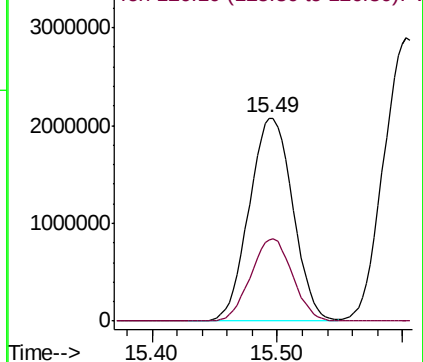
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Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V



#72

4-Ethyltoluene

Concen: 10.600 ppbv

RT: 15.88 min Scan# 4073

Delta R.T. 0.01 min

Lab File: VL035529.D

Acq: 3 Sep 2020 13:49

Tgt Ion:105 Resp: 5454155

Ion Ratio Lower Upper

105 100

120 34.1 27.4 41.2

91 12.3 9.7 14.5

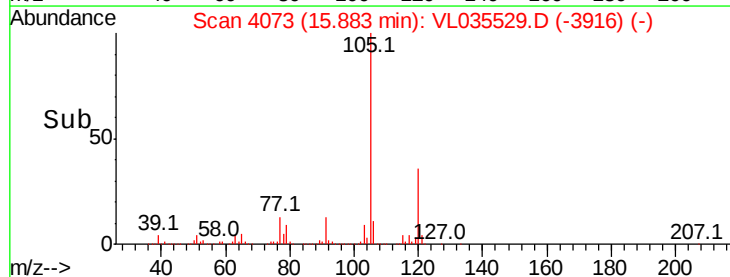
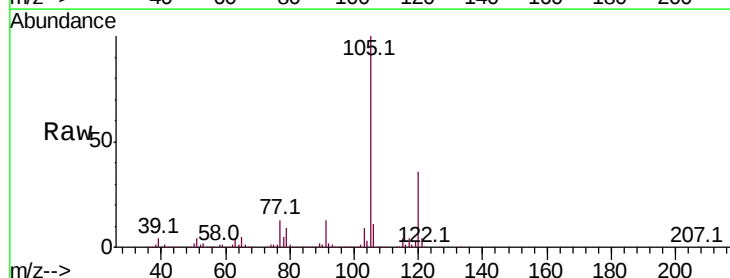
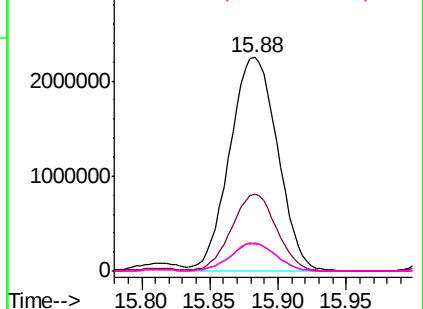
77 12.3 9.6 14.4

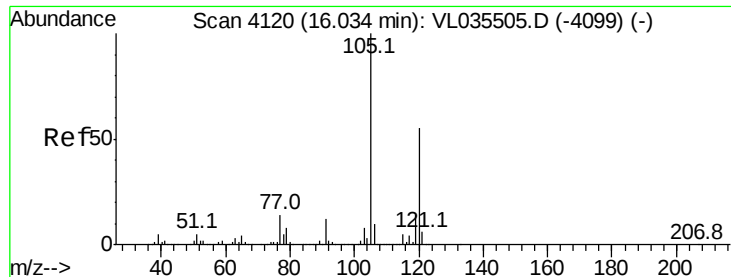
Abundance Ion 105.10 (104.80 to 105.80): V

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





#73

1,3,5-Trimethylbenzene

Concen: 10.684 ppbv

RT: 16.04 min Scan# 4122

Delta R.T. 0.01 min

Lab File: VL035529.D

Acq: 3 Sep 2020 13:49

Instrument :

MSVOA_L

ClientSampleId :

VL0903ABS01

Tot Ion:105 Resp: 5084499

Ion Ratio Lower Upper

105 100

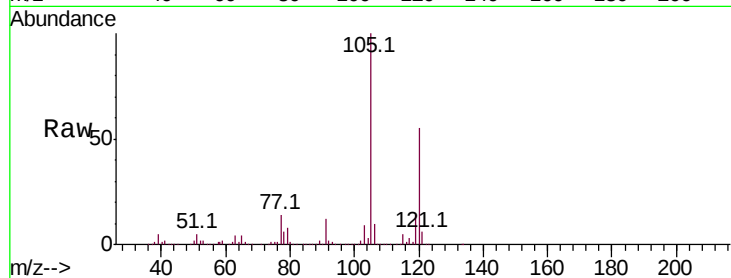
120 54.9 44.2 66.2

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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

2500000

2000000

1500000

1000000

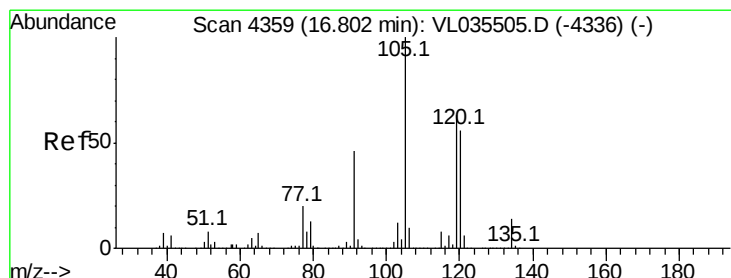
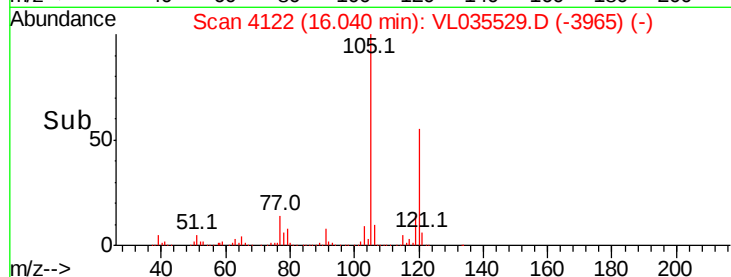
500000

0

16.00

16.10

Time-->



#74

1,2,4-Trimethylbenzene

Concen: 10.114 ppbv

RT: 16.81 min Scan# 4361

Delta R.T. 0.01 min

Lab File: VL035529.D

Acq: 3 Sep 2020 13:49

Tgt Ion:105 Resp: 5285792

Ion Ratio Lower Upper

105 100

120 55.6 44.4 66.6

91 47.3 37.1 55.7

77 20.1 16.0 24.0

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

3000000

2000000

1000000

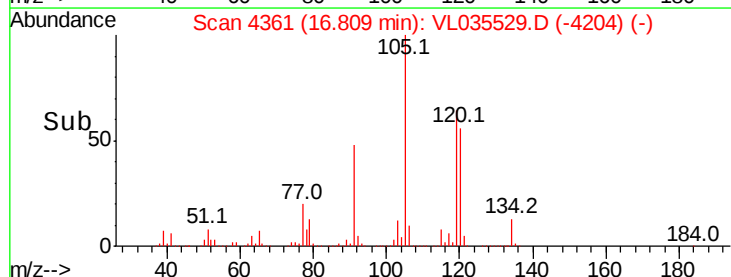
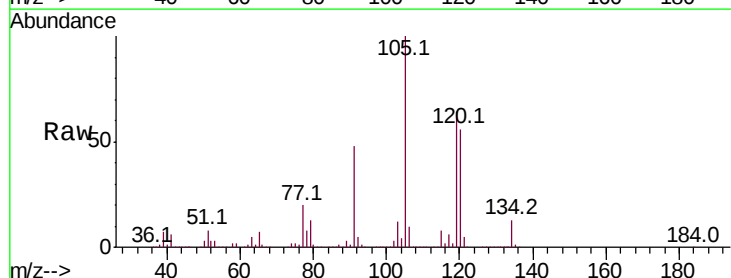
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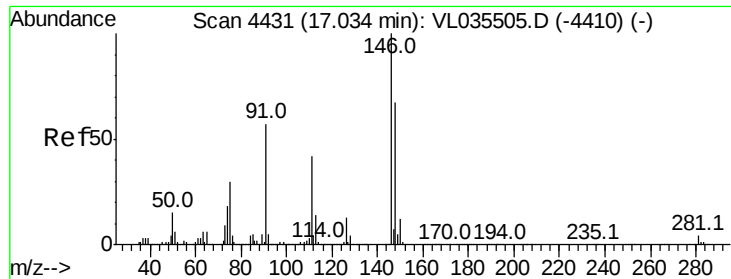
16.70

16.80

16.90

Time-->





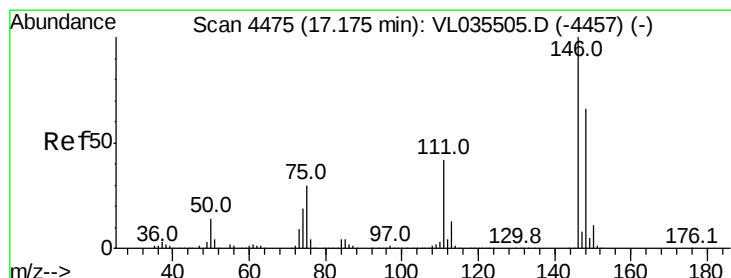
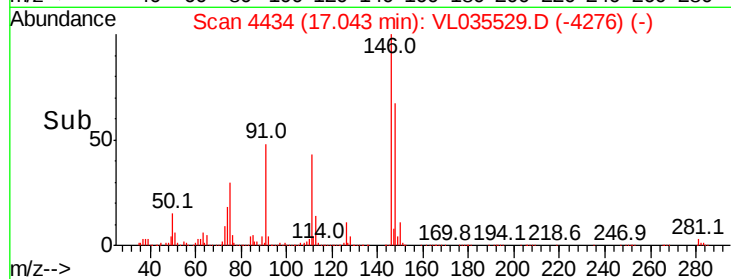
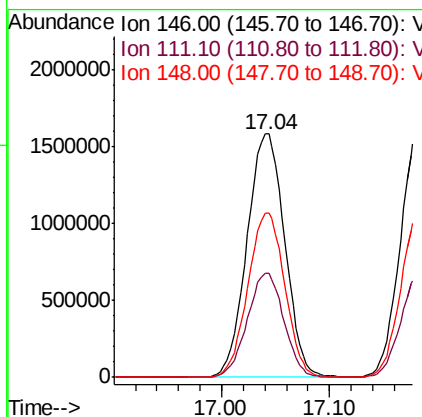
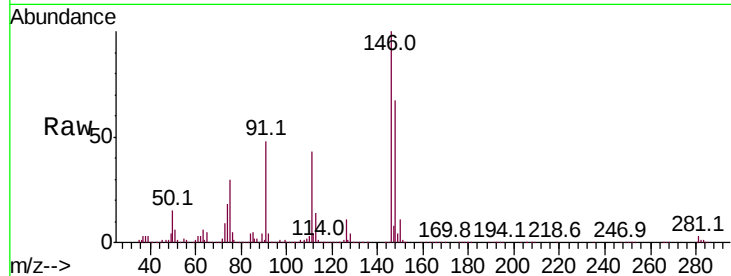
#75
 1,3-Dichlorobenzene
 Concen: 9.945 ppbv
 RT: 17.04 min Scan# 4434
 Delta R.T. 0.01 min
 Lab File: VL035529.D
 Acq: 3 Sep 2020 13:49

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0903ABS01

Tot Ion:146 Resp: 3850038
 Ion Ratio Lower Upper
 146 100
 111 41.4 20.7 62.1
 148 66.1 33.0 98.9

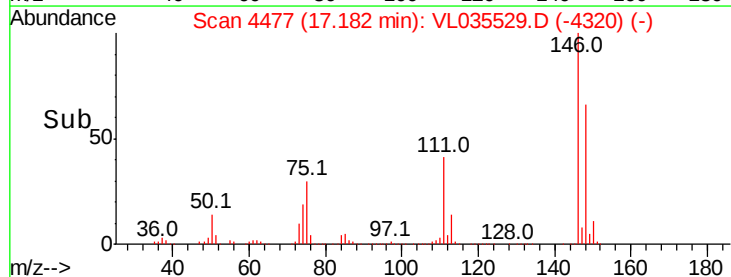
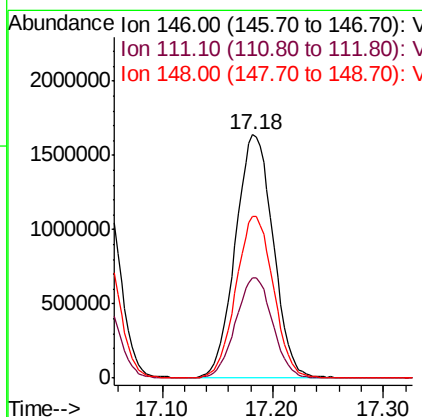
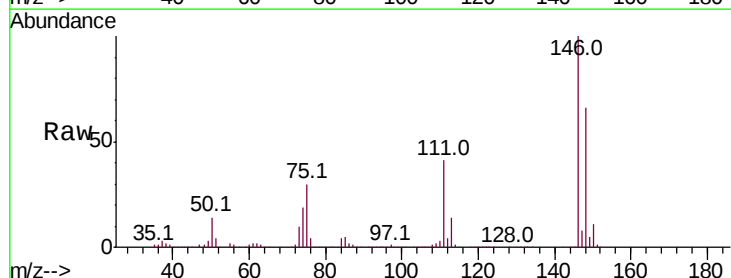
Manual Integrations
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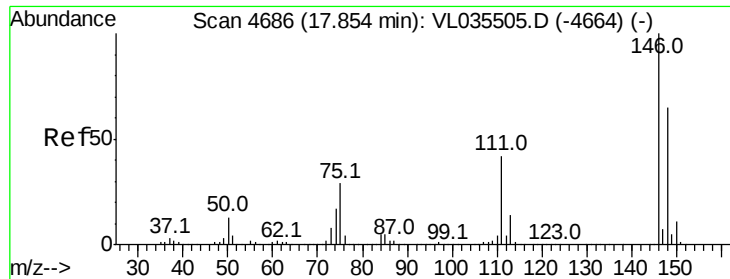
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#76
 1,4-Dichlorobenzene
 Concen: 10.128 ppbv
 RT: 17.18 min Scan# 4477
 Delta R.T. 0.01 min
 Lab File: VL035529.D
 Acq: 3 Sep 2020 13:49

Tgt Ion:146 Resp: 3866706
 Ion Ratio Lower Upper
 146 100
 111 40.7 20.0 60.0
 148 66.5 33.2 99.6





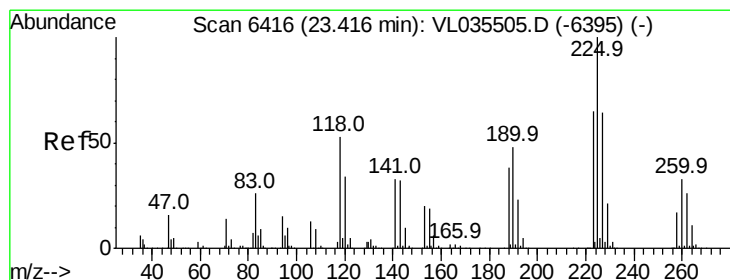
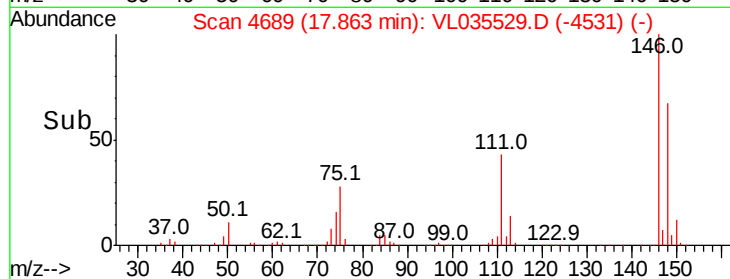
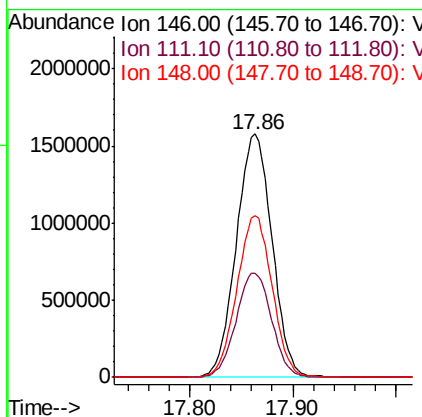
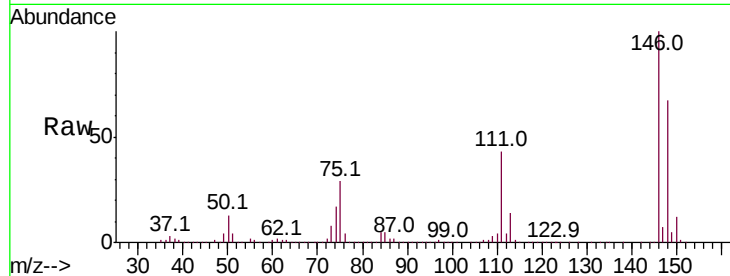
#77
 1,2-Dichlorobenzene
 Concen: 10.135 ppbv
 RT: 17.86 min Scan# 4689
 Delta R.T. 0.01 min
 Lab File: VL035529.D
 Acq: 3 Sep 2020 13:49

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0903ABS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.8	21.1	63.3
148	65.7	32.9	98.7

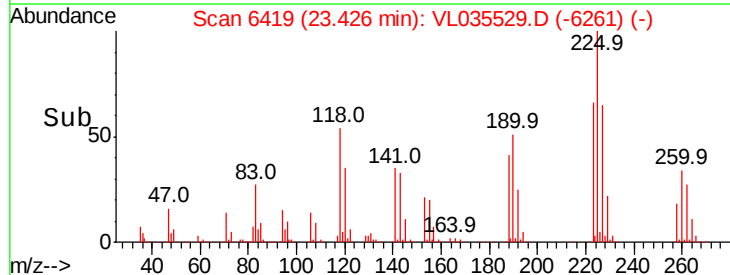
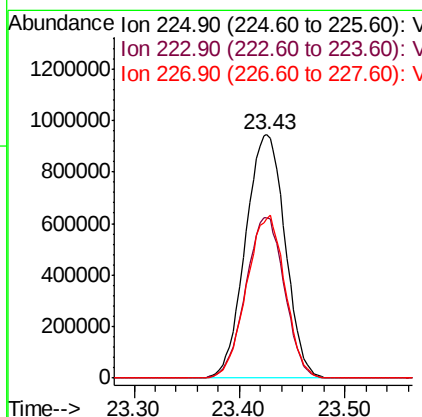
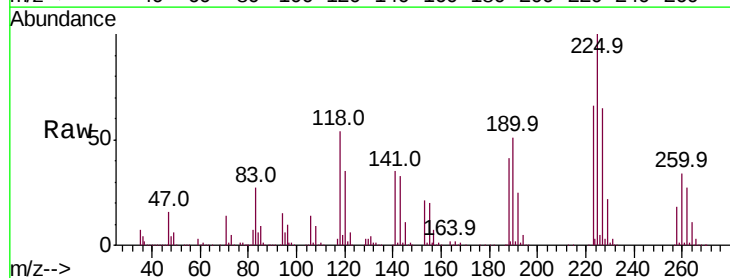
Manual Integrations
 APPROVED

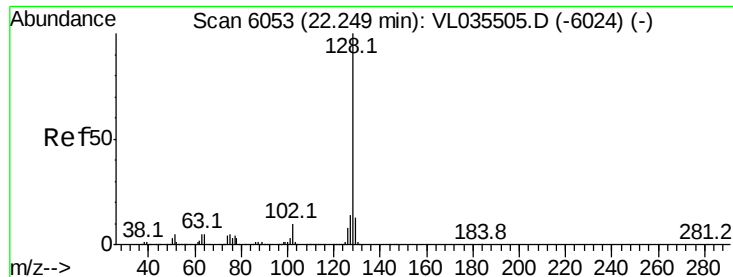
MMDadoda
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#78
 Hexachloro-1,3-Butadiene
 Concen: 10.302 ppbv
 RT: 23.43 min Scan# 6419
 Delta R.T. 0.01 min
 Lab File: VL035529.D
 Acq: 3 Sep 2020 13:49

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.7	51.7	77.5
227	65.0	51.5	77.3





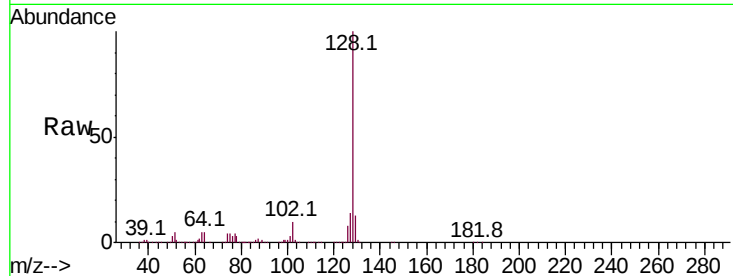
#79
Naphthalene
Concen: 11.106 ppbv
RT: 22.26 min Scan# 6055
Delta R.T. 0.01 min
Lab File: VL035529.D
Acq: 3 Sep 2020 13:49

Instrument :
MSVOA_L
ClientSampleId :
VL0903ABS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.7	11.4	17.2
129	12.7	10.5	15.7

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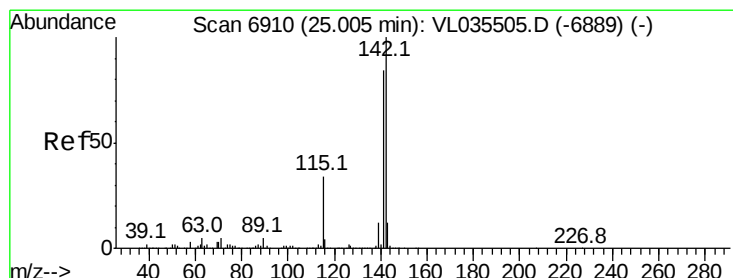
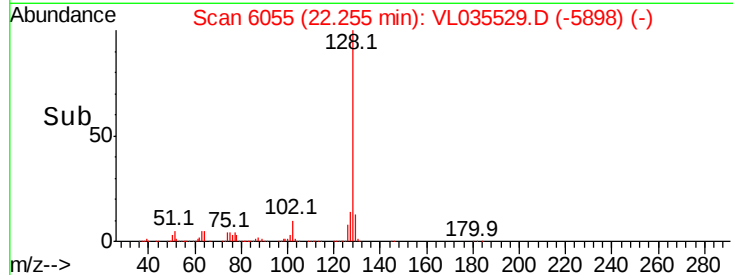
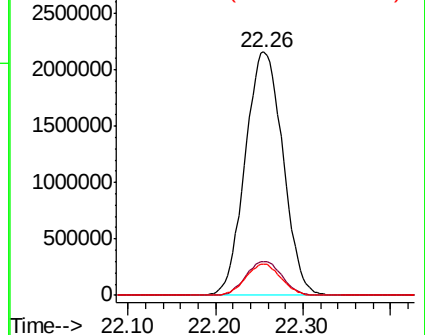


Abundance

Ion 128.10 (127.80 to 128.80): V

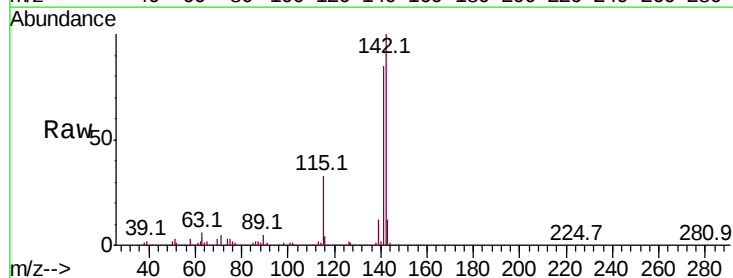
Ion 127.10 (126.80 to 127.80): V

Ion 129.10 (128.80 to 129.80): V



#80
Naphthalene, 2-methyl-
Concen: 12.329 ppbv
RT: 25.01 min Scan# 6912
Delta R.T. 0.01 min
Lab File: VL035529.D
Acq: 3 Sep 2020 13:49

Tgt Ion	Ratio	Lower	Upper
142	100		
141	84.8	67.6	101.4
115	32.6	25.8	38.8

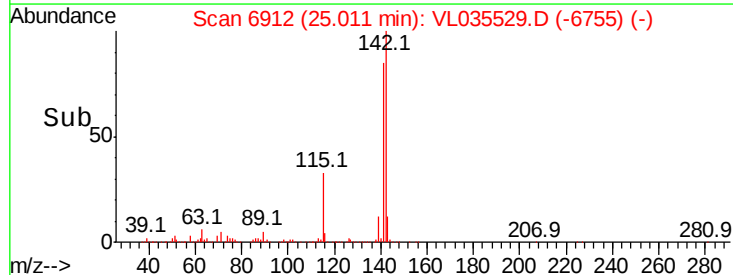
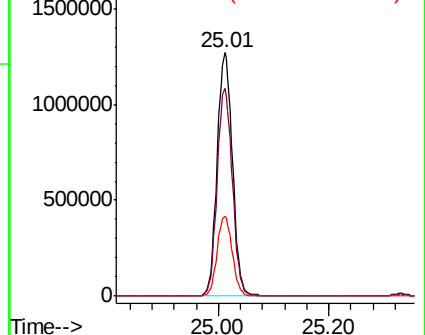


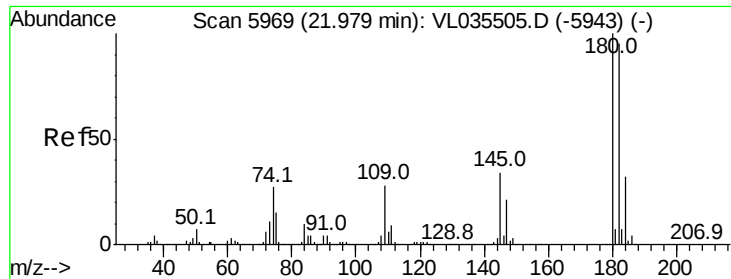
Abundance

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: 10.705 ppbv
 RT: 21.98 min Scan# 5970
 Delta R.T. 0.00 min
 Lab File: VL035529.D
 Acq: 3 Sep 2020 13:49

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0903ABS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.4	76.3	114.5
184	31.5	25.3	37.9

Manual Integrations
 APPROVED

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