

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL090820\
 Data File : VL035579.D
 Acq On : 9 Sep 2020 9:14
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleID :
 VSTDCCC010EC

Manual Integrations
 APPROVED

MMDadoda
 9/10/2020 10:45:56 AM

Quant Time: Sep 09 10:34:36 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	5.65	49	1144837	10.00	ppbv	-0.03
33) 1,4-Difluorobenzene	7.17	114	4931998	10.00	ppbv	-0.03
55) Chlorobenzene-d5	12.09	117	5102980m	10.00	ppbv	-0.03

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.42	95	3678134	10.15	ppbv	-0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.50%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	3.03	85	1488110	7.501	ppbv 98
3) Chlorodifluoromethane	2.97	51	1241405	9.804	ppbv 99
4) Chloromethane	3.12	50	692733	10.212	ppbv 100
5) Vinyl Chloride	3.24	62	813975	9.733	ppbv 100
6) Bromomethane	3.46	94	712408	10.141	ppbv 99
7) Chloroethane	3.54	64	307055	10.385	ppbv 95
8) Dichlorotetrafluoroethane	3.17	85	2229378	9.278	ppbv 93
9) Propene	2.99	41	488198	10.001	ppbv 99
10) Heptane	8.11	43	1305550	9.958	ppbv 99
11) Trichlorofluoromethane	3.93	101	2567533	8.874	ppbv 99
12) 1,1,2-Trichlorotrifluoroet	4.47	101	1976402	9.051	ppbv 92
13) Ethanol	3.59	45	116871	9.657	ppbv 95
14) Bromoethene	3.72	108	945624	10.060	ppbv 99
15) Acetone	3.83	43	1294560	10.253	ppbv 98
16) 1,3-Butadiene	3.31	39	487205	10.365	ppbv 97
17) tert-Butyl alcohol	4.28	59	1614148	10.502	ppbv 99
18) 1,1-Dichloroethene	4.27	96	940644	9.782	ppbv 97
19) Isopropyl Alcohol	3.95	45	788003	10.461	ppbv 100
20) Methylene Chloride	4.33	84	787834	8.378	ppbv 96
21) Allyl Chloride	4.40	41	674611	11.404	ppbv 99
22) trans-1,2-Dichloroethene	4.87	96	978611	9.559	ppbv 92
23) Vinyl Acetate	5.06	43	1789339	11.041	ppbv 99
24) 1,1-Dichloroethane	5.00	63	1644790	9.862	ppbv 99
25) Ethyl Acetate	5.66	43	2185707	9.798	ppbv 99
26) Hexane	5.67	57	1250581	9.895	ppbv 99
27) Carbon Disulfide	4.53	76	2054467	11.327	ppbv 99
28) Methyl tert-Butyl Ether	5.02	73	2347412	10.657	ppbv 99
29) Chloroform	5.74	83	2515290	9.768	ppbv 99
30) Cyclohexane	7.12	84	1442097	10.651	ppbv 100
31) cis-1,2-Dichloroethene	5.54	61	1368130	10.551	ppbv 100
32) 1,1,1-Trichloroethane	6.50	97	2508245	10.041	ppbv 99
34) 2-Butanone	5.23	43	1522713	10.403	ppbv 98
35) Carbon Tetrachloride	7.01	117	2557702	10.318	ppbv 100
36) Benzene	6.88	78	3292019	10.312	ppbv 100
37) 1,2-Dichloroethane	6.29	62	1553674	10.208	ppbv 100
38) Trichloroethene	7.83	130	1686274	9.093	ppbv 96
39) 1,2-Dichloropropane	7.60	63	1109828	10.291	ppbv 100
40) 1,4-Dioxane	7.82	88	580282	10.771	ppbv 95
41) Tetrahydrofuran	6.04	42	861412	11.098	ppbv 98
42) Bromodichloromethane	7.78	83	2661878	10.815	ppbv 99
43) Methyl Methacrylate	8.01	69	1389477	11.256	ppbv 98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.86	57	4180479	9.952	ppbv	99
45) t-1,3-Dichloropropene	9.28	75	1571756	12.568	ppbv	99
46) cis-1,3-Dichloropropene	8.70	75	1853999	11.940	ppbv	97
47) 1,1,2-Trichloroethane	9.47	97	1606805	10.097	ppbv	99
48) Dibromochloromethane	10.30	129	2714679	10.839	ppbv	100
49) Bromoform	13.04	173	2462199	10.847	ppbv	100
50) 4-Methyl-2-Pentanone	8.74	43	2220470	10.477	ppbv	98
51) 2-Hexanone	10.13	43	1930491	11.104	ppbv #	98
52) Tetrachloroethene	11.22	164	1677757	8.996	ppbv	97
53) Toluene	9.80	91	4166498	10.378	ppbv	99
54) 1,2-Dibromoethane	10.61	107	2562231	10.190	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.12	131	2124444	10.231	ppbv	95
57) Chlorobenzene	12.15	112	3540292	9.427	ppbv	99
58) Ethyl Benzene	12.71	91	5403235	10.268	ppbv	100
59) m/p-Xylene	13.00	91	9093826m	20.681	ppbv	
60) o-Xylene	13.69	91	4431236	10.006	ppbv	100
61) Styrene	13.53	104	3676160	10.854	ppbv	99
62) Isopropylbenzene	14.67	105	6768651	9.515	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.68	83	3116514	9.077	ppbv	99
64) n-propylbenzene	15.56	120	2191675	10.095	ppbv	98
65) tert-Butylbenzene	16.75	119	6325181	9.565	ppbv	98
66) Benzyl Chloride	17.00	91	2324080	14.141	ppbv	99
67) sec-Butylbenzene	17.30	105	8304640	9.426	ppbv	99
69) p-Isopropyltoluene	17.66	119	7328758	9.483	ppbv	99
70) n-Butylbenzene	18.56	91	7202913	9.676	ppbv	99
71) 2-Chlorotoluene	15.46	91	5230673	10.097	ppbv	99
72) 4-Ethyltoluene	15.84	105	5694407	10.114	ppbv	99
73) 1,3,5-Trimethylbenzene	16.00	105	5239542	10.062	ppbv	99
74) 1,2,4-Trimethylbenzene	16.77	105	5432113	9.499	ppbv	99
75) 1,3-Dichlorobenzene	17.00	146	3869614	9.135	ppbv	99
76) 1,4-Dichlorobenzene	17.15	146	3946841	9.448	ppbv	99
77) 1,2-Dichlorobenzene	17.82	146	3795656	9.249	ppbv	99
78) Hexachloro-1,3-Butadiene	23.39	225	2211608	8.441	ppbv	100
79) Naphthalene	22.21	128	6630371	10.449	ppbv	100
80) Naphthalene, 2-methyl-	24.98	142	2731416	12.612	ppbv	100
81) 1,2,4-Trichlorobenzene	21.94	180	3591617	9.452	ppbv	100

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



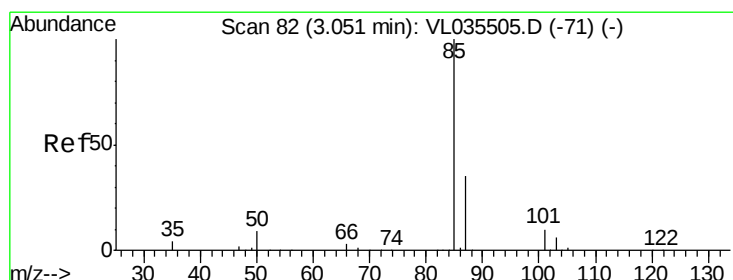
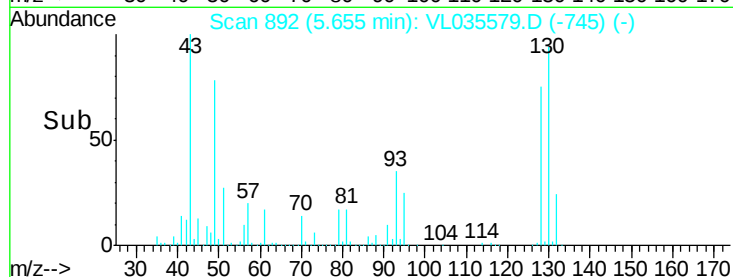
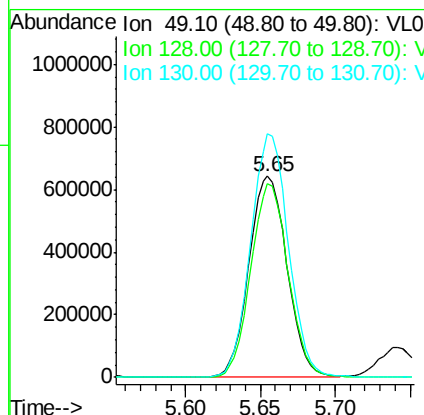
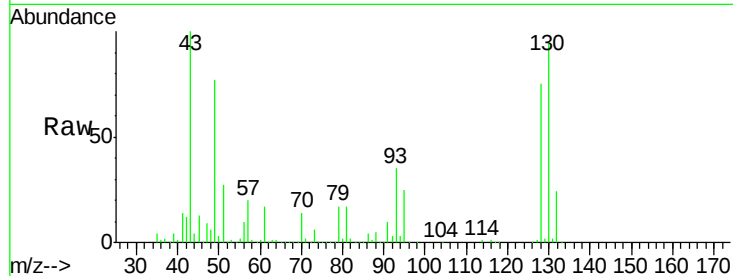
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.65 min Scan# 892
Delta R.T. -0.03 min
Lab File: VL035579.D
Acq: 9 Sep 2020 9:14

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ClientSampleId :
VSTDCCC010EC

Tot Ion: 49 Resp: 1144837
Ion Ratio Lower Upper
49 100
128 94.4 50.0 150.1
130 119.7 64.4 193.2

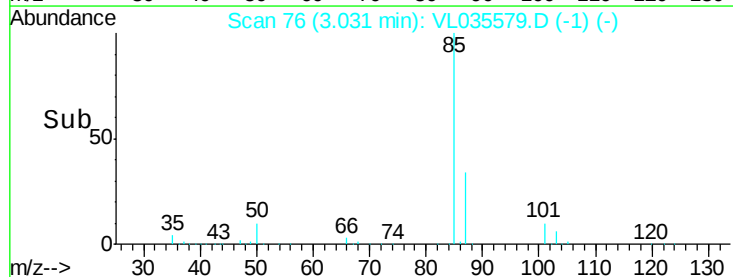
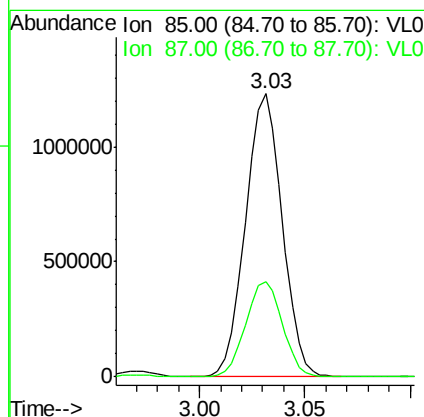
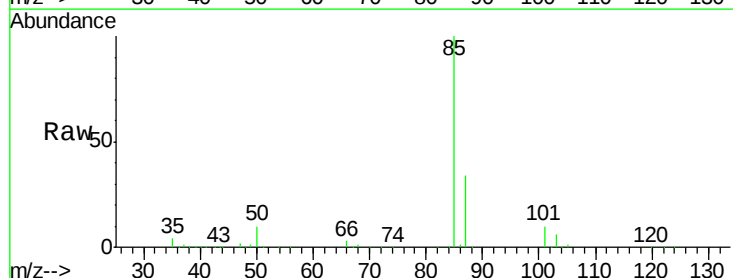
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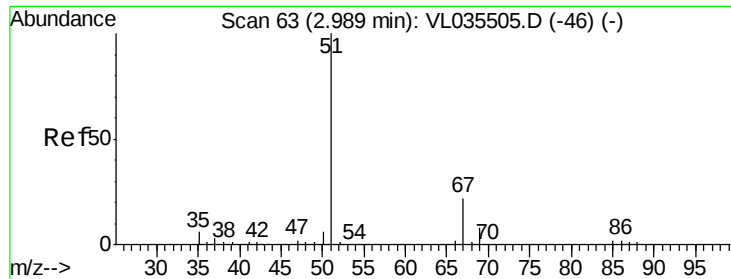
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#2
Dichlorodifluoromethane
Concen: 7.501 ppbv
RT: 3.03 min Scan# 76
Delta R.T. -0.02 min
Lab File: VL035579.D
Acq: 9 Sep 2020 9:14

Tgt Ion: 85 Resp: 1488110
Ion Ratio Lower Upper
85 100
87 33.8 28.0 42.0





#3

Chlorodifluoromethane

Concen: 9.804 ppbv

RT: 2.97 min Scan# 57

Delta R.T. -0.02 min

Lab File: VL035579.D

Acq: 9 Sep 2020 9:14

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 51 Resp: 1241405

Ion Ratio Lower Upper

51 100

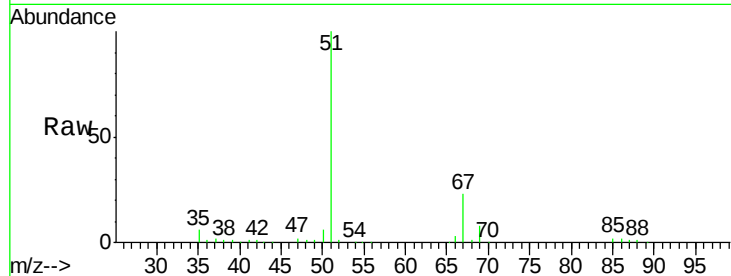
67 22.6 17.8 26.8

Manual Integrations

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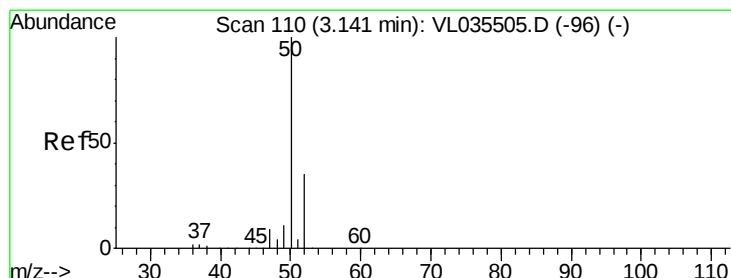
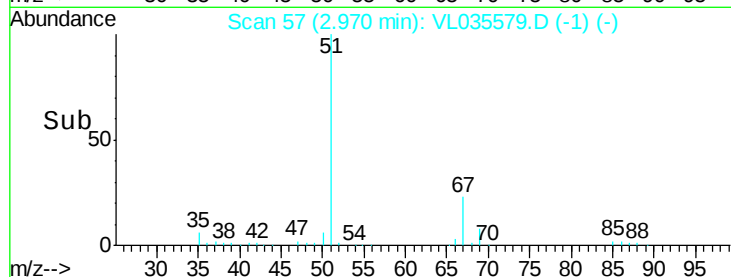
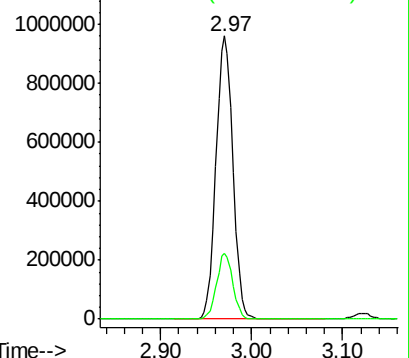
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Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 10.212 ppbv

RT: 3.12 min Scan# 104

Delta R.T. -0.02 min

Lab File: VL035579.D

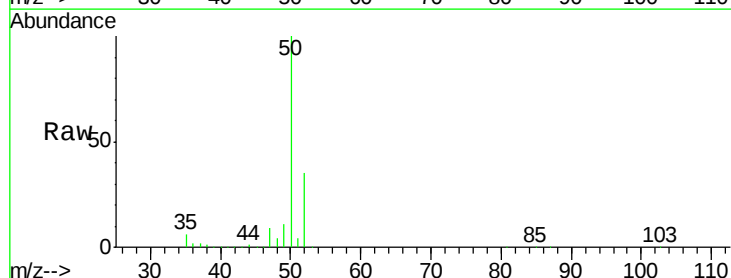
Acq: 9 Sep 2020 9:14

Tgt Ion: 50 Resp: 692733

Ion Ratio Lower Upper

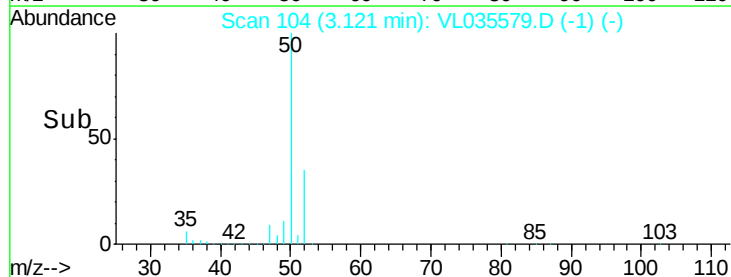
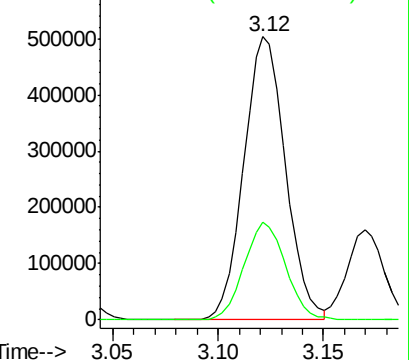
50 100

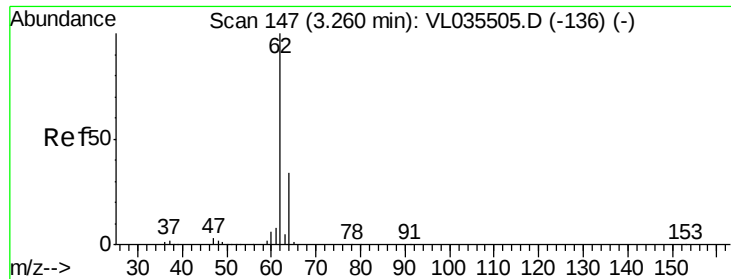
52 34.5 27.7 41.5



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 9.733 ppbv

RT: 3.24 min Scan# 141

Delta R.T. -0.02 min

Lab File: VL035579.D

Acq: 9 Sep 2020 9:14

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 62 Resp: 813975

Ion Ratio Lower Upper

62 100

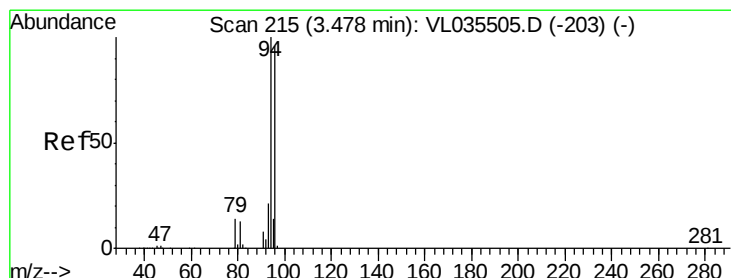
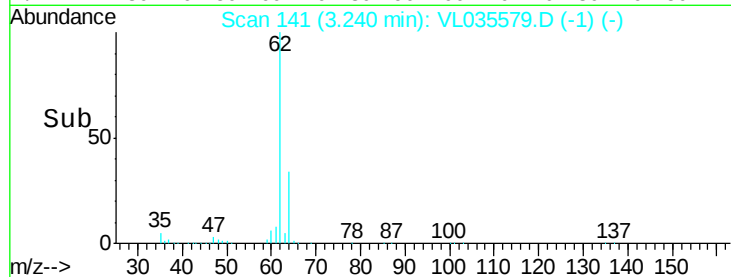
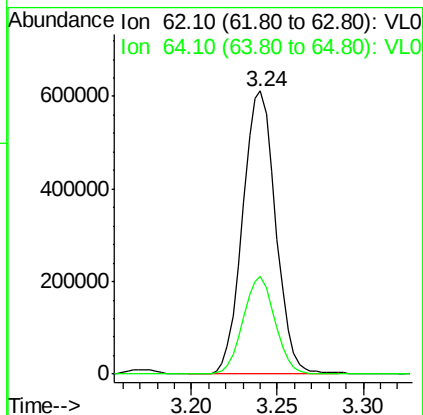
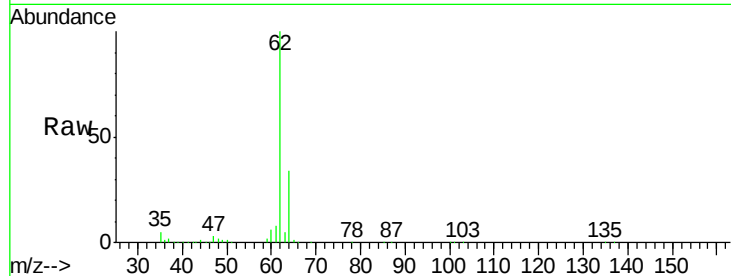
64 34.3 27.4 41.2

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#6

Bromomethane

Concen: 10.141 ppbv

RT: 3.46 min Scan# 208

Delta R.T. -0.02 min

Lab File: VL035579.D

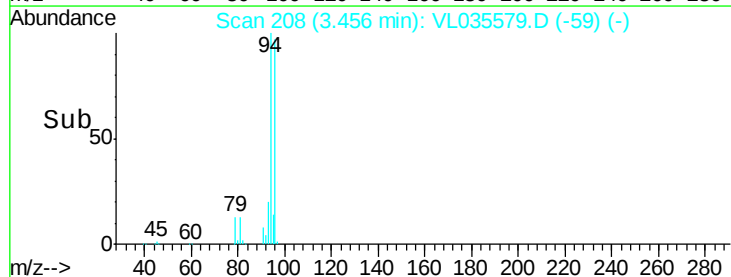
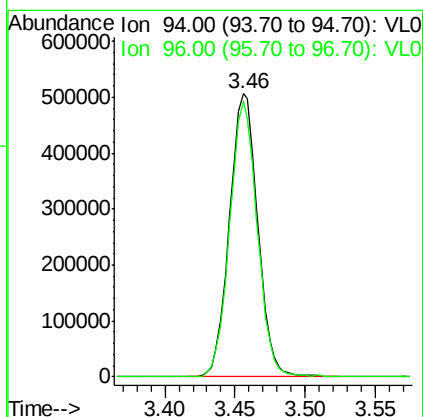
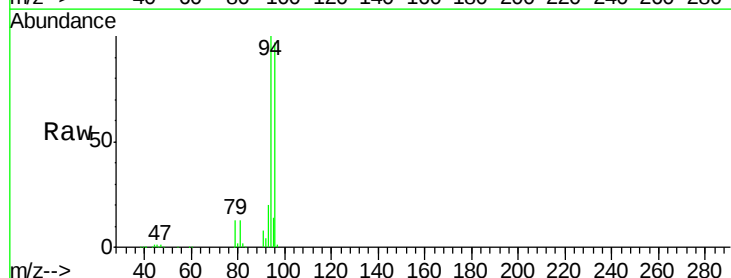
Acq: 9 Sep 2020 9:14

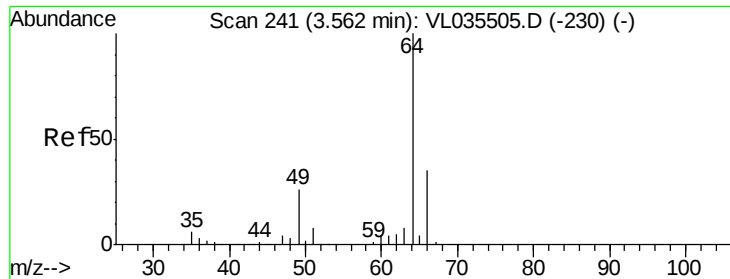
Tgt Ion: 94 Resp: 712408

Ion Ratio Lower Upper

94 100

96 97.2 77.1 115.7





#7

Chloroethane

Concen: 10.385 ppbv

RT: 3.54 min Scan# 234

Delta R.T. -0.02 min

Lab File: VL035579.D

Acq: 9 Sep 2020 9:14

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 64 Resp: 307055

Ion Ratio Lower Upper

64 100

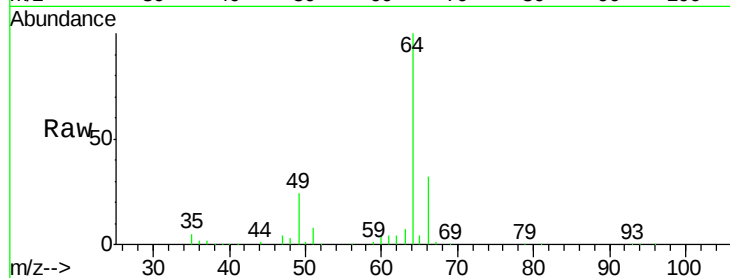
66 31.6 27.7 41.5

Manual Integrations

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9/10/2020 10:45:56 AM



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0

250000

200000

150000

100000

50000

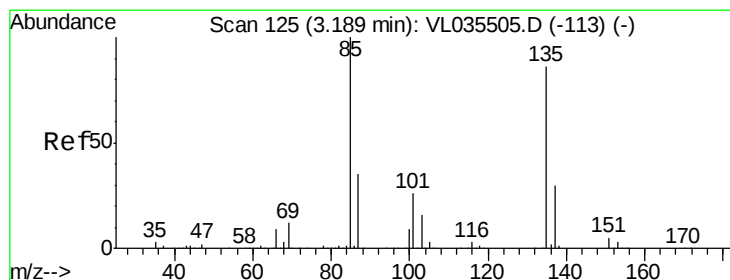
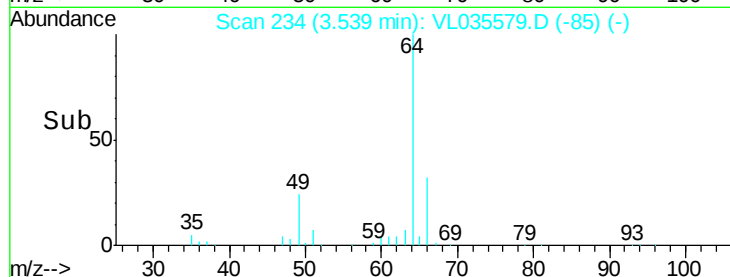
0

3.50

3.55

3.60

Time-->



#8

Dichlorotetrafluoroethane

Concen: 9.278 ppbv

RT: 3.17 min Scan# 119

Delta R.T. -0.02 min

Lab File: VL035579.D

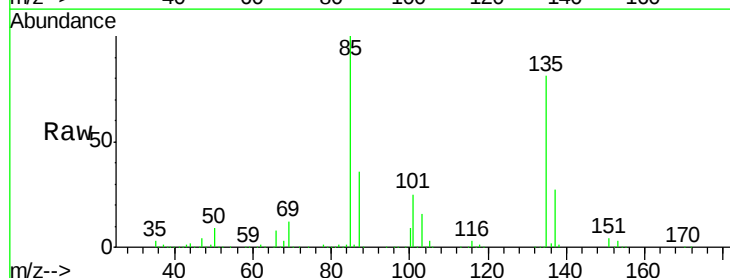
Acq: 9 Sep 2020 9:14

Tgt Ion: 85 Resp: 2229378

Ion Ratio Lower Upper

85 100

135 81.1 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

1000000

500000

0

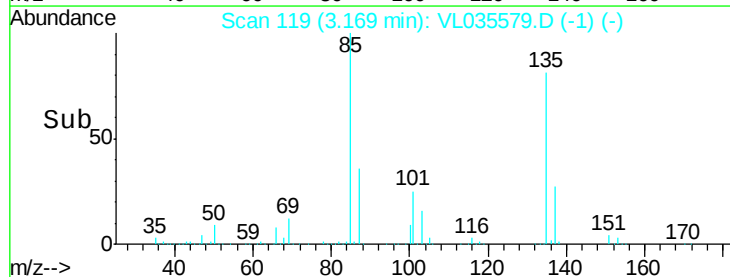
3.10

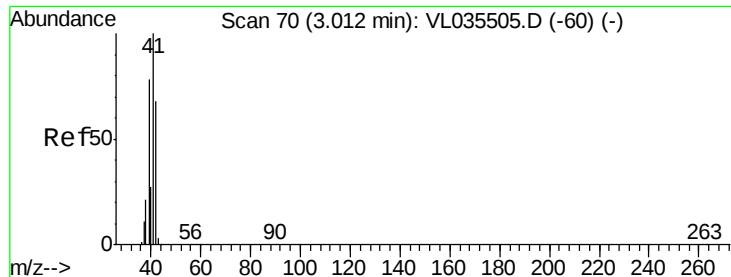
3.15

3.20

3.25

Time-->





#9

Propene

Concen: 10.001 ppbv

RT: 2.99 min Scan# 64

Delta R.T. -0.02 min

Lab File: VL035579.D

Acq: 9 Sep 2020 9:14

Instrument :

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ClientSampleId :

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Tot Ion: 41 Resp: 488198

Ion Ratio Lower Upper

41 100

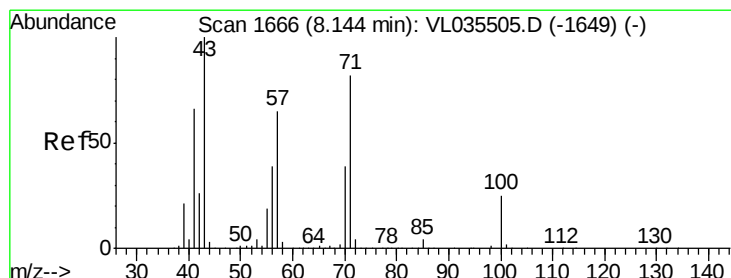
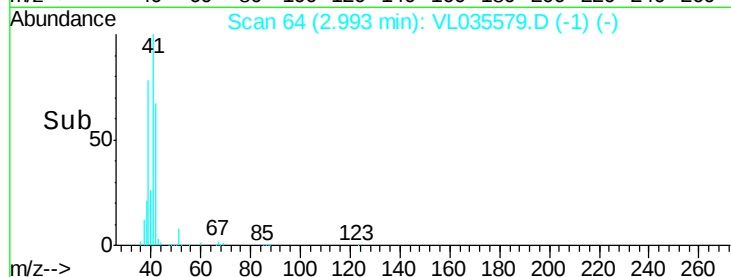
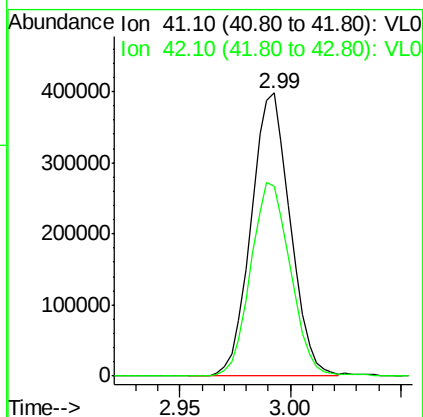
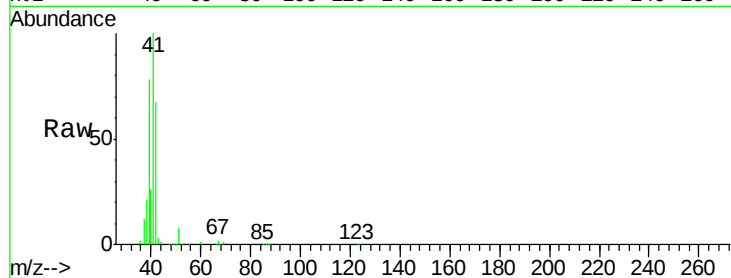
42 69.8 56.3 84.5

Manual Integrations

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#10

Heptane

Concen: 9.958 ppbv

RT: 8.11 min Scan# 1657

Delta R.T. -0.03 min

Lab File: VL035579.D

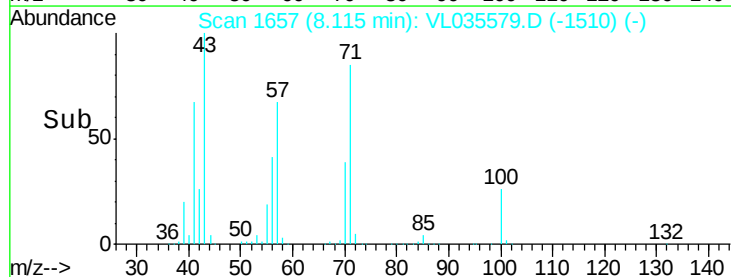
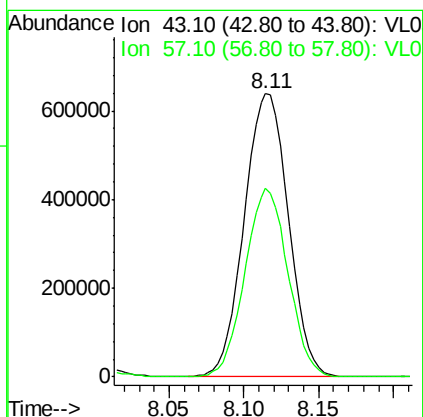
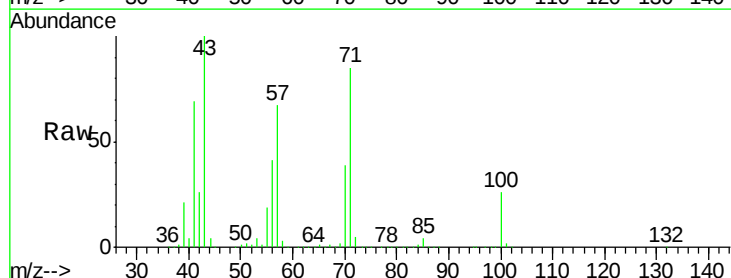
Acq: 9 Sep 2020 9:14

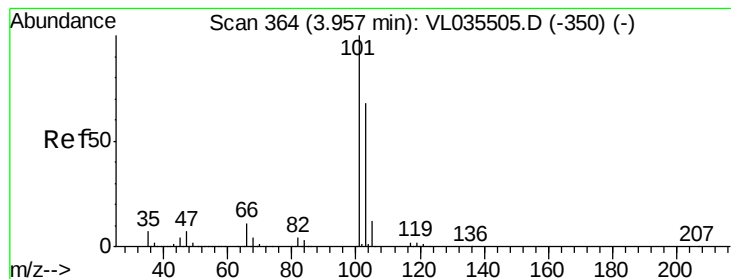
Tgt Ion: 43 Resp: 1305550

Ion Ratio Lower Upper

43 100

57 65.0 51.4 77.0





#11

Trichlorofluoromethane

Concen: 8.874 ppbv

RT: 3.93 min Scan# 357

Delta R.T. -0.02 min

Lab File: VL035579.D

Acq: 9 Sep 2020 9:14

Instrument :

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ClientSampleId :

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Tot Ion:101 Resp: 2567533

Ion Ratio Lower Upper

101 100

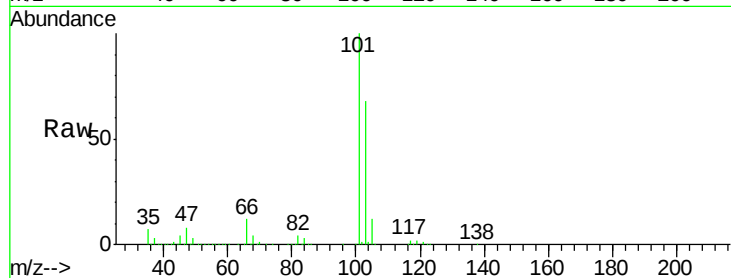
103 67.6 54.5 81.7

Manual Integrations

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Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V

2000000

1500000

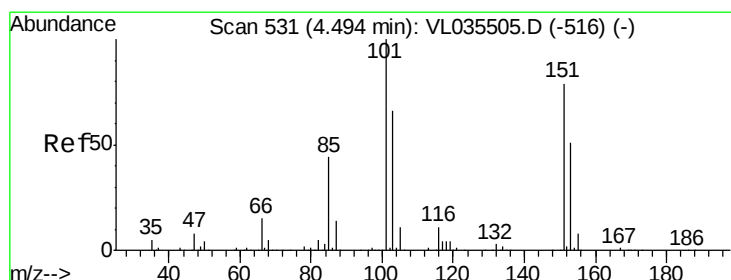
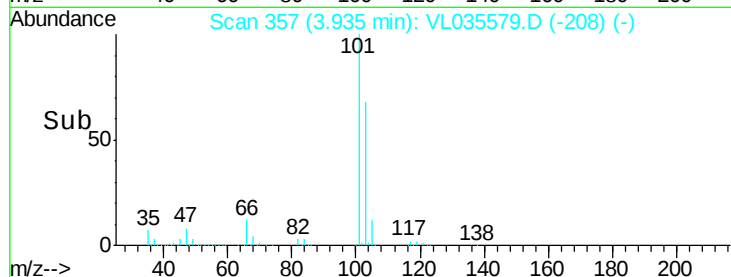
1000000

500000

0

3.85 3.90 3.95 4.00

Time-->



#12

1,1,2-Trichlorotrifluoroethane

Concen: 9.051 ppbv

RT: 4.47 min Scan# 523

Delta R.T. -0.03 min

Lab File: VL035579.D

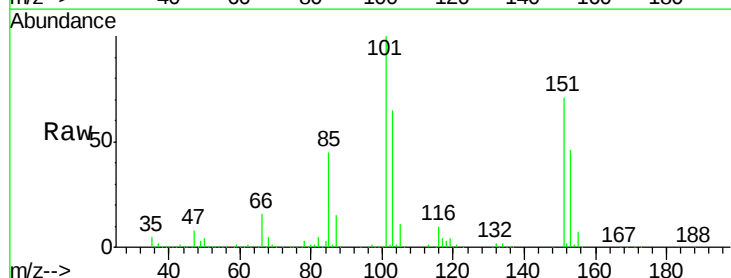
Acq: 9 Sep 2020 9:14

Tgt Ion:101 Resp: 1976402

Ion Ratio Lower Upper

101 100

151 72.6 63.5 95.3



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V

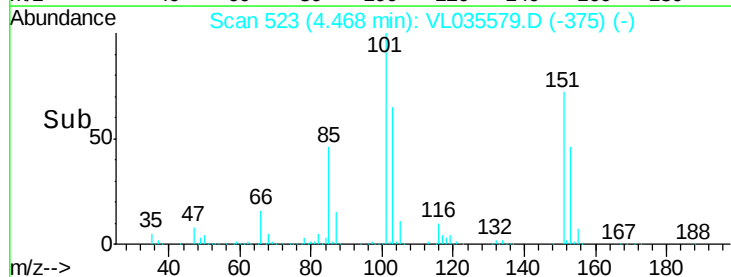
1000000

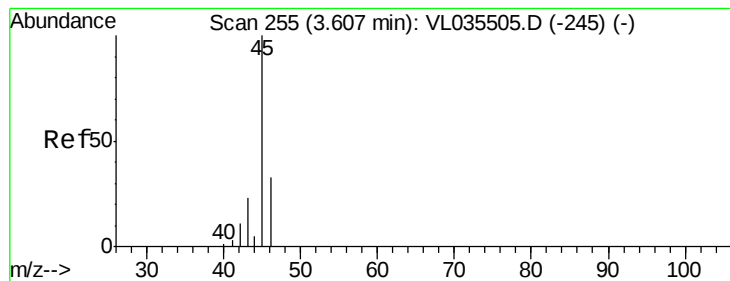
500000

0

4.40 4.45 4.50 4.55

Time-->





#13

Ethanol

Concen: 9.657 ppbv

RT: 3.59 min Scan# 249

Delta R.T. -0.02 min

Lab File: VL035579.D

Acq: 9 Sep 2020 9:14

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 45 Resp: 116871

Ion Ratio Lower Upper

45 100

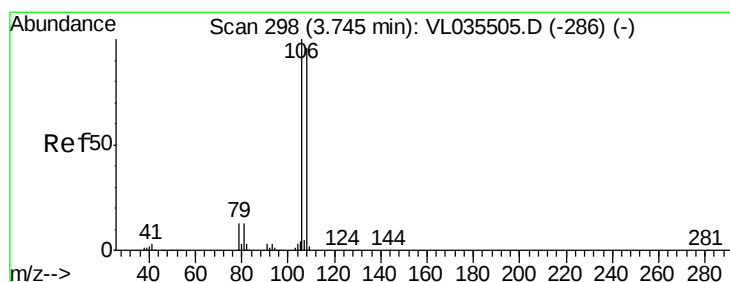
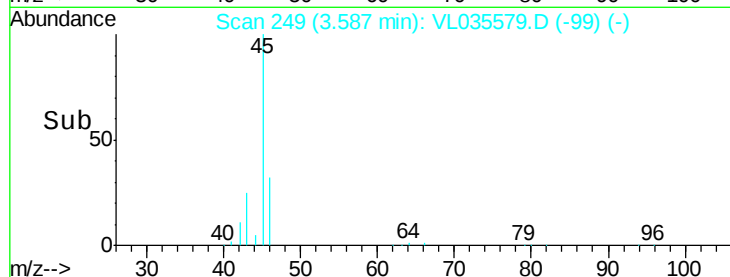
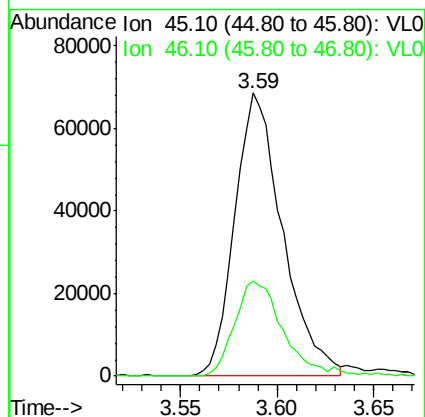
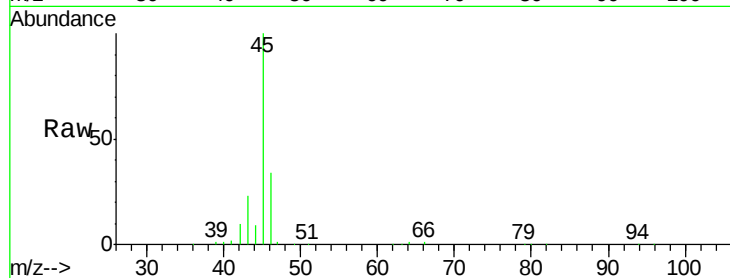
46 35.0 15.2 60.6

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#14

Bromoethene

Concen: 10.060 ppbv

RT: 3.72 min Scan# 291

Delta R.T. -0.02 min

Lab File: VL035579.D

Acq: 9 Sep 2020 9:14

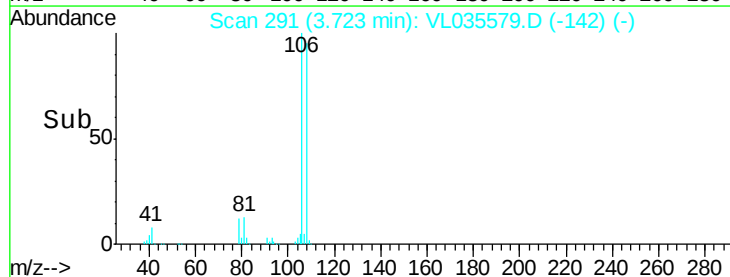
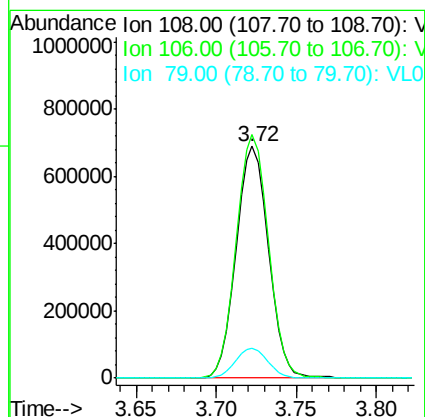
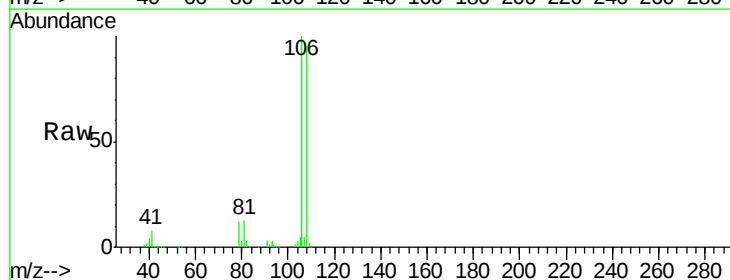
Tgt Ion: 108 Resp: 945624

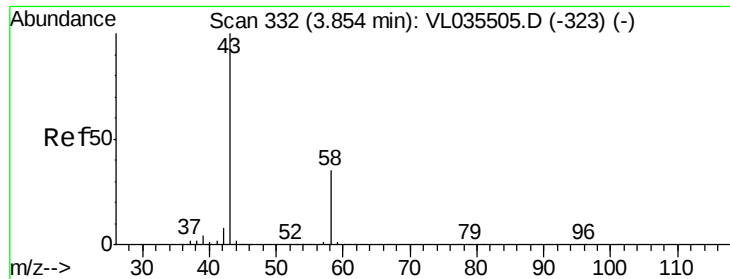
Ion Ratio Lower Upper

108 100

106 105.1 84.9 127.3

79 12.9 10.8 16.2





#15

Acetone

Concen: 10.253 ppbv

RT: 3.83 min Scan# 325

Delta R.T. -0.02 min

Lab File: VL035579.D

Acq: 9 Sep 2020 9:14

Tot Ion: 43 Resp: 1294560

Ion Ratio Lower Upper

43 100

58 36.5 28.4 42.6

Instrument :

MSVOA_L

ClientSampleId :

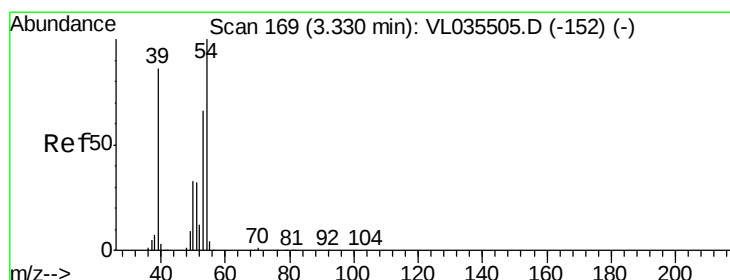
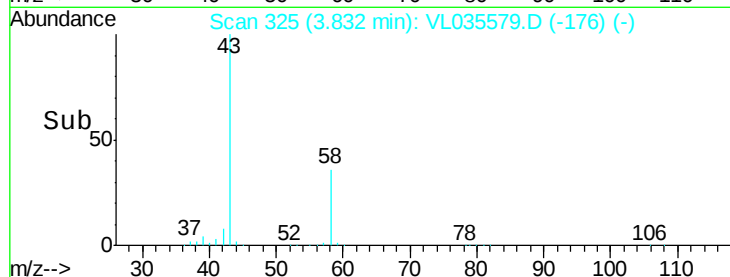
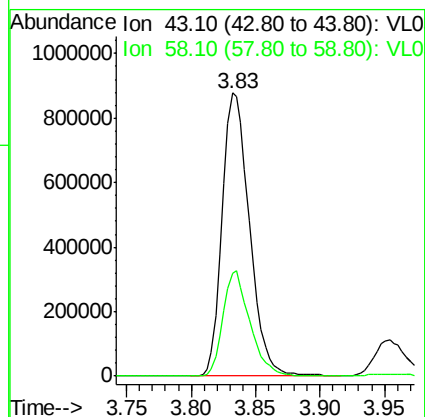
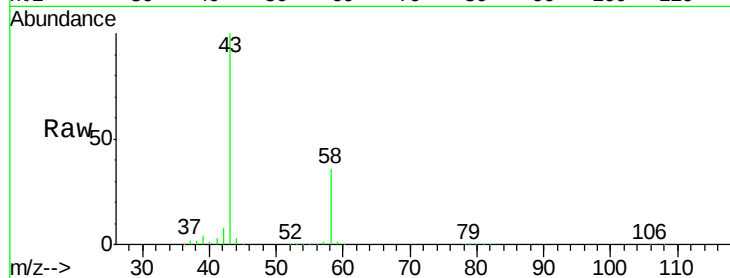
VSTDCCC010EC

Manual Integrations

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#16

1,3-Butadiene

Concen: 10.365 ppbv

RT: 3.31 min Scan# 163

Delta R.T. -0.02 min

Lab File: VL035579.D

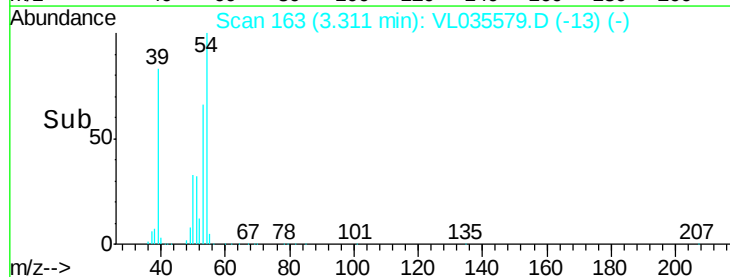
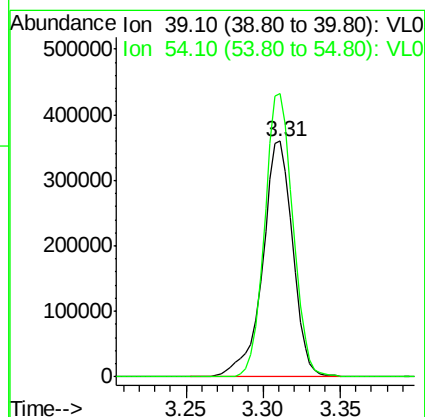
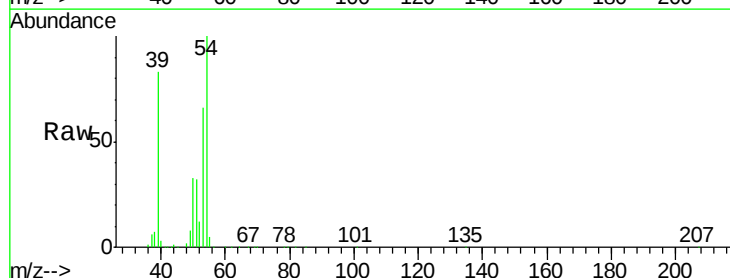
Acq: 9 Sep 2020 9:14

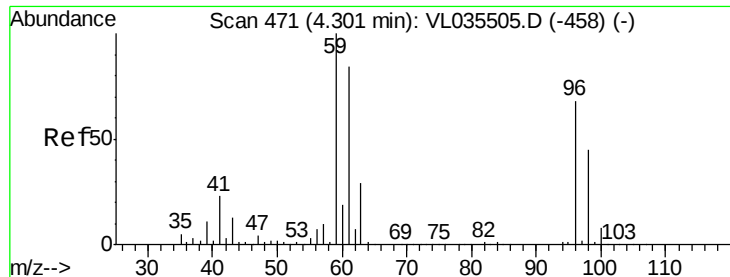
Tgt Ion: 39 Resp: 487205

Ion Ratio Lower Upper

39 100

54 113.2 88.4 132.6





#17

tert-Butyl alcohol

Concen: 10.502 ppbv

RT: 4.28 min Scan# 464

Delta R.T. -0.02 min

Lab File: VL035579.D

Acq: 9 Sep 2020 9:14

Tot Ion: 59 Resp: 1614148

Ion Ratio Lower Upper

59 100

57 10.3 8.4 12.6

Instrument :

MSVOA_L

ClientSampleId :

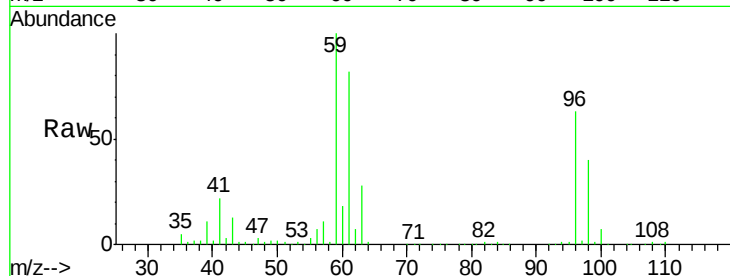
VSTDCCC010EC

Manual Integrations

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Abundance Ion 59.10 (58.80 to 59.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

4.28

800000

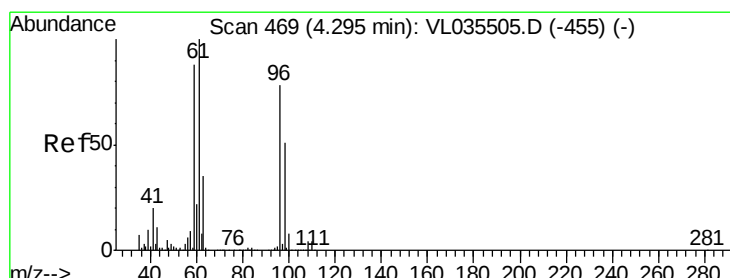
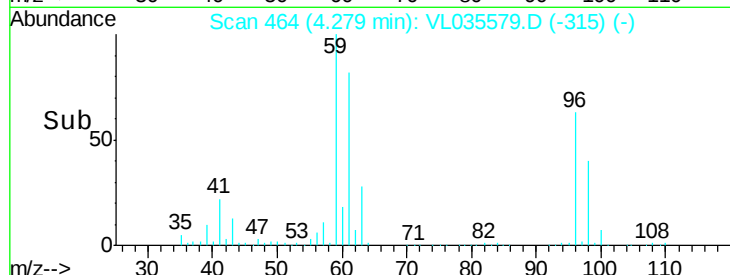
600000

400000

200000

0

Time-->



#18

1,1-Dichloroethene

Concen: 9.782 ppbv

RT: 4.27 min Scan# 462

Delta R.T. -0.02 min

Lab File: VL035579.D

Acq: 9 Sep 2020 9:14

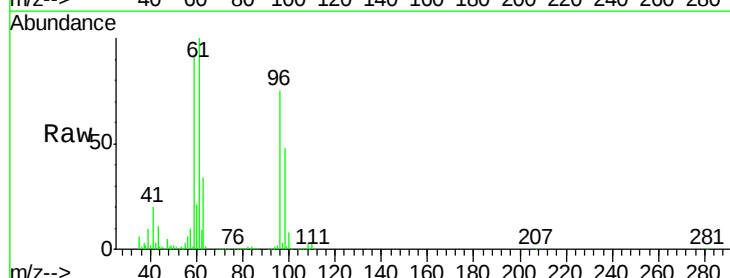
Tgt Ion: 96 Resp: 940644

Ion Ratio Lower Upper

96 100

61 133.9 103.0 154.6

98 64.8 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

4.27

1200000

1000000

800000

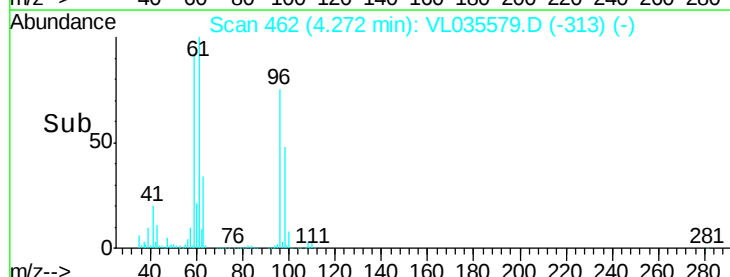
600000

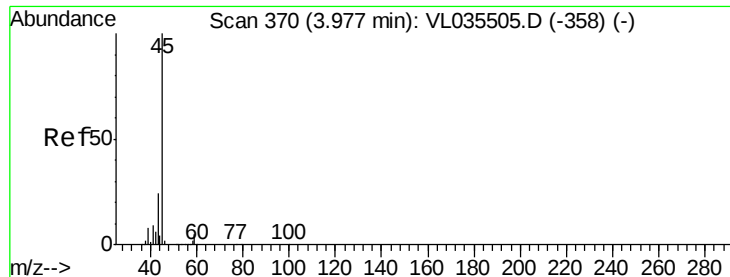
400000

200000

0

Time-->





#19

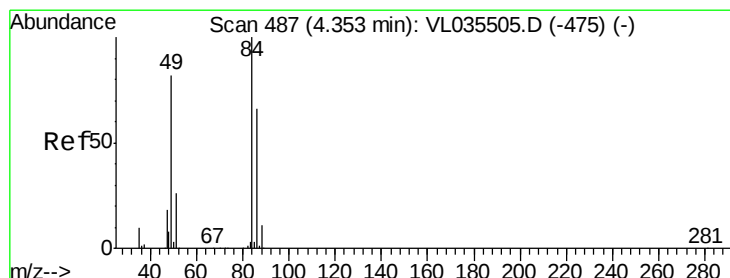
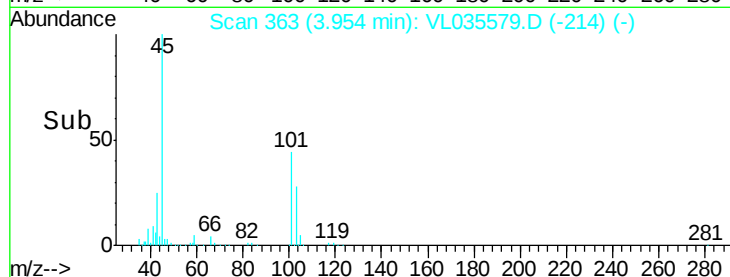
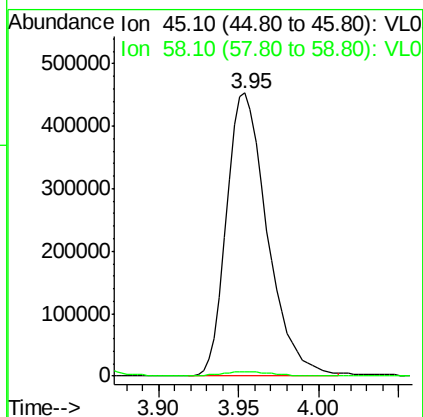
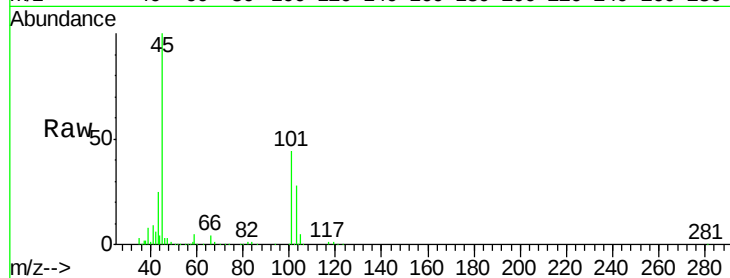
Isopropyl Alcohol
 Concen: 10.461 ppbv
 RT: 3.95 min Scan# 363
 Delta R.T. -0.02 min
 Lab File: VL035579.D
 Acq: 9 Sep 2020 9:14

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	45	Resp	788003
Ion Ratio	100	Lower	Upper
45	100		
58	2.3	2.0	3.0

Manual Integrations
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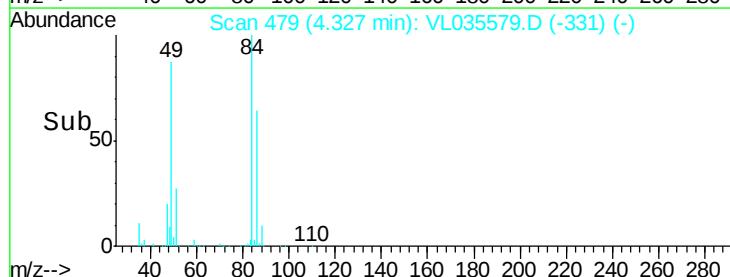
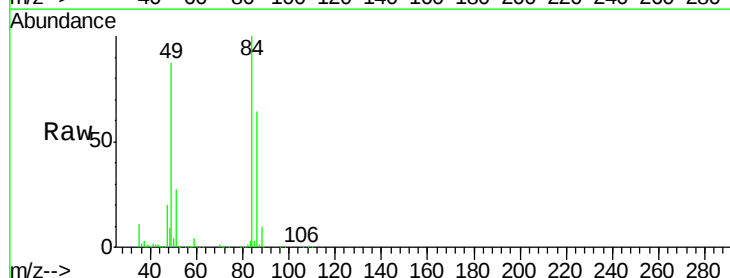
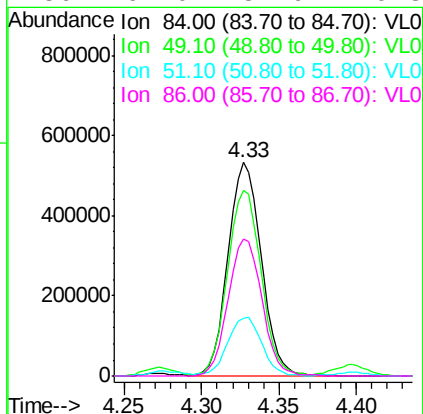
MMDadoda
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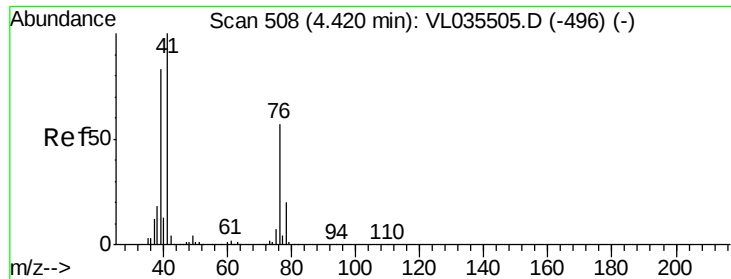


#20

Methylene Chloride
 Concen: 8.378 ppbv
 RT: 4.33 min Scan# 479
 Delta R.T. -0.03 min
 Lab File: VL035579.D
 Acq: 9 Sep 2020 9:14

Tgt Ion	84	Resp	787834
Ion Ratio	100	Lower	Upper
84	100		
49	86.1	65.4	98.0
51	26.0	21.5	32.3
86	64.0	52.9	79.3





#21

Allvl Chloride

Concen: 11.404 ppbv

RT: 4.40 min Scan# 501

Delta R.T. -0.02 min

Lab File: VL035579.D

Acq: 9 Sep 2020 9:14

Instrument :

MSVOA_L

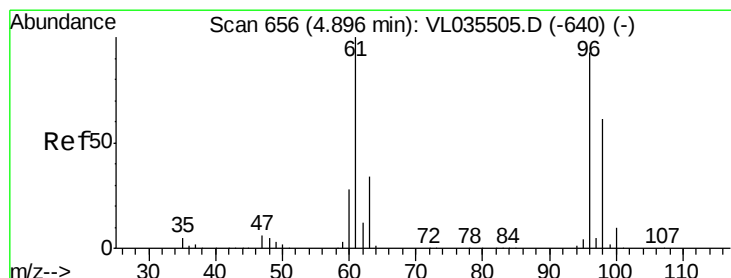
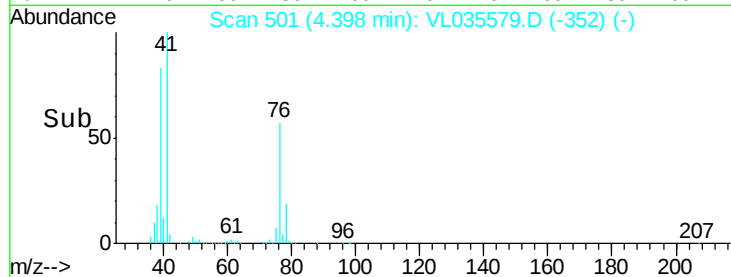
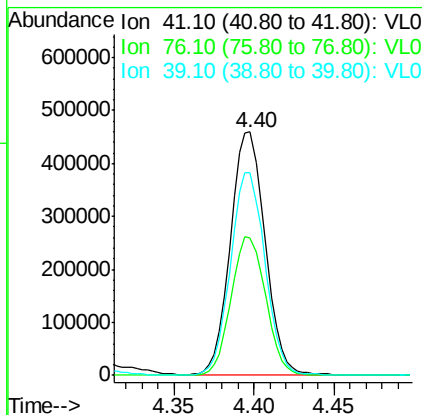
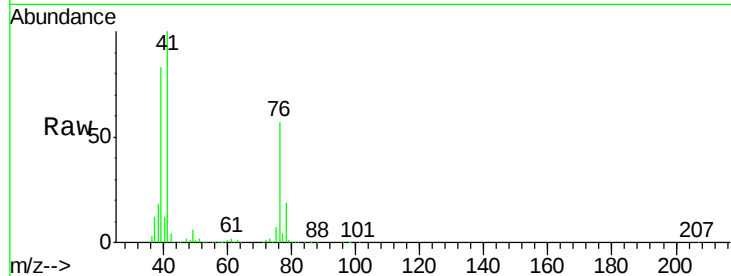
ClientSampleId :

VSTDCCC010EC

Tot Ion:	41	Resp:	674611
Ion Ratio	Lower	Upper	
41	100		
76	57.2	46.2	69.2
39	83.8	67.8	101.6

Manual Integrations
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#22

trans-1,2-Dichloroethene

Concen: 9.559 ppbv

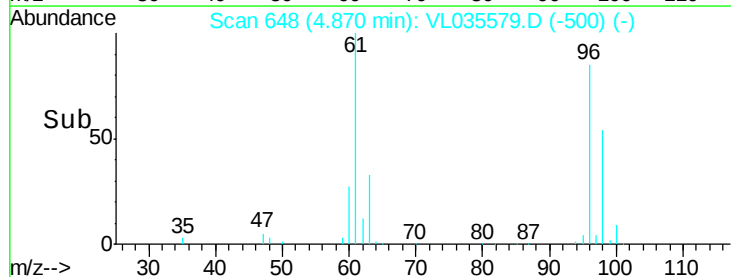
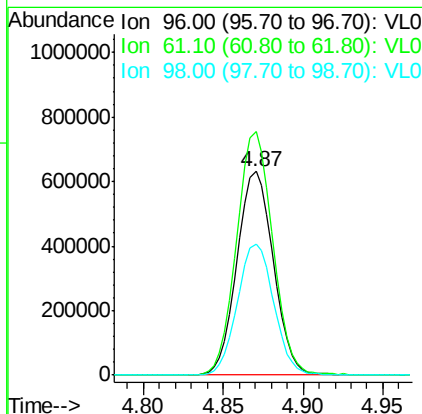
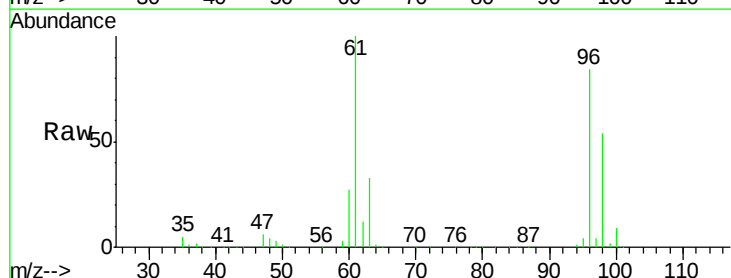
RT: 4.87 min Scan# 648

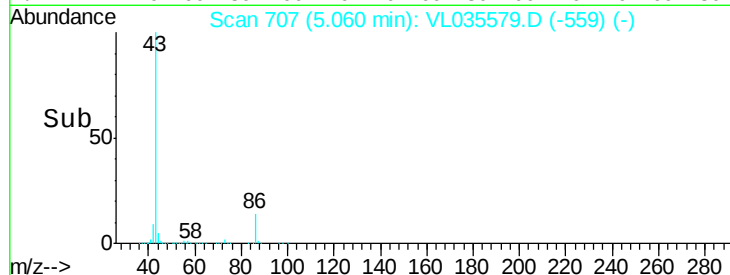
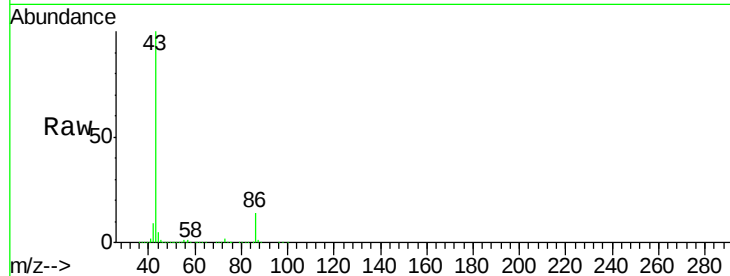
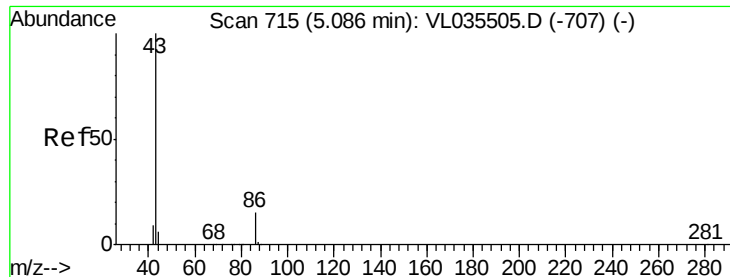
Delta R.T. -0.03 min

Lab File: VL035579.D

Acq: 9 Sep 2020 9:14

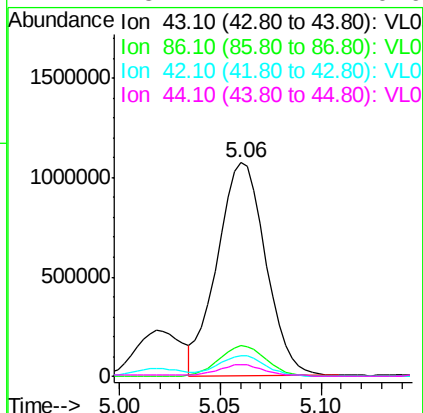
Tgt Ion:	96	Resp:	978611
Ion Ratio	Lower	Upper	
96	100		
61	119.6	86.0	129.0
98	64.0	52.3	78.5





#23
 Vinyl Acetate
 Concen: 11.041 ppbv
 RT: 5.06 min Scan# 707
 Delta R.T. -0.03 min
 Lab File: VL035579.D
 Acq: 9 Sep 2020 9:14

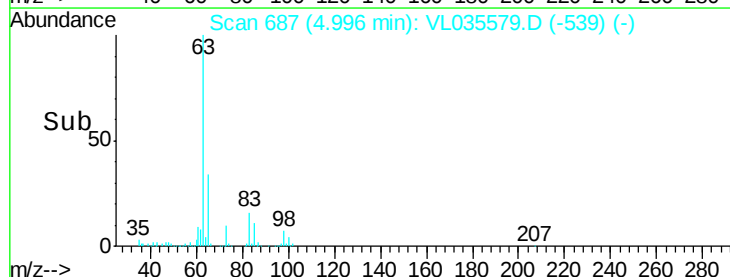
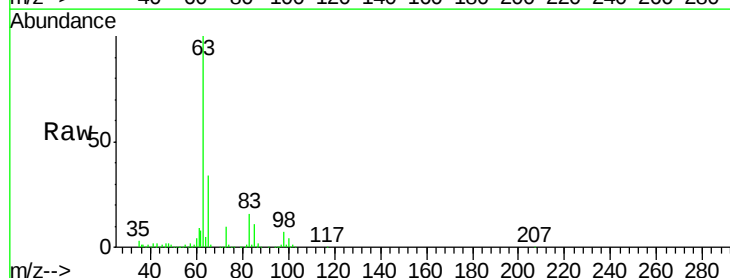
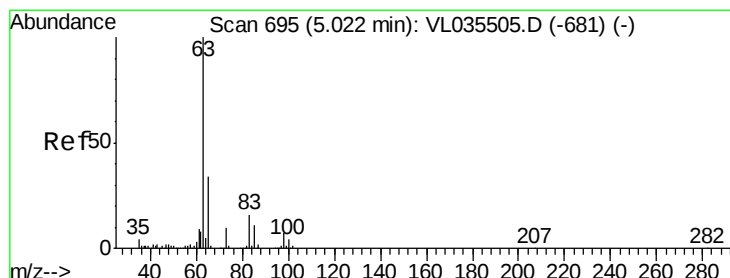
Tot Ion	43	Resp	1789339
Ion	Ratio	Lower	Upper
43	100		
86	14.3	10.6	16.0
42	9.4	7.5	11.3
44	5.1	4.4	6.6



Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

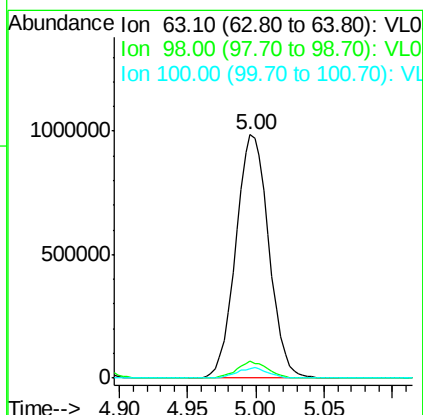
Manual Integrations
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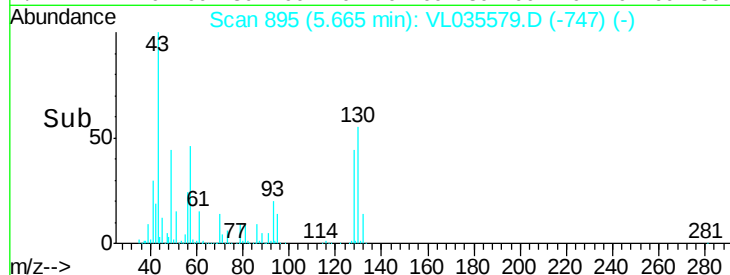
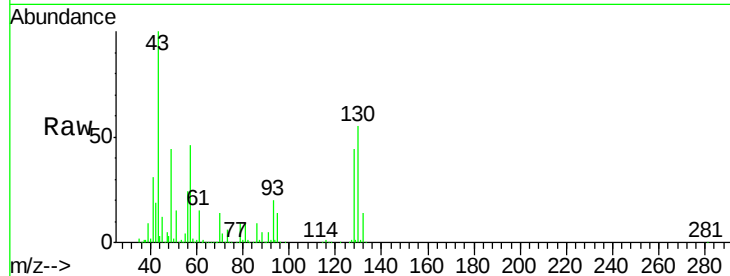
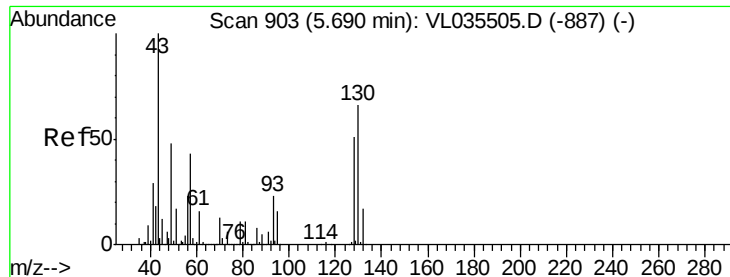
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#24
 1,1-Dichloroethane
 Concen: 9.862 ppbv
 RT: 5.00 min Scan# 687
 Delta R.T. -0.03 min
 Lab File: VL035579.D
 Acq: 9 Sep 2020 9:14

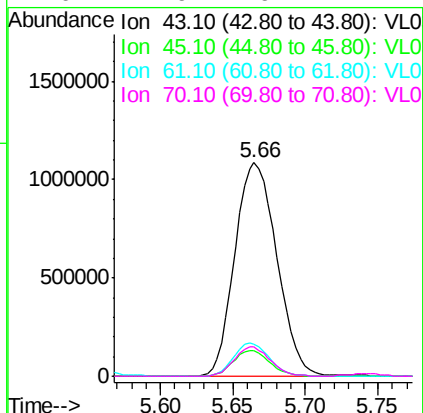
Tgt Ion	63	Resp	1644790
Ion	Ratio	Lower	Upper
63	100		
98	6.9	3.4	10.1
100	3.9	2.1	6.5





#25
Ethyl Acetate
Concen: 9.798 ppbv
RT: 5.66 min Scan# 895
Delta R.T. -0.03 min
Lab File: VL035579.D
Acq: 9 Sep 2020 9:14

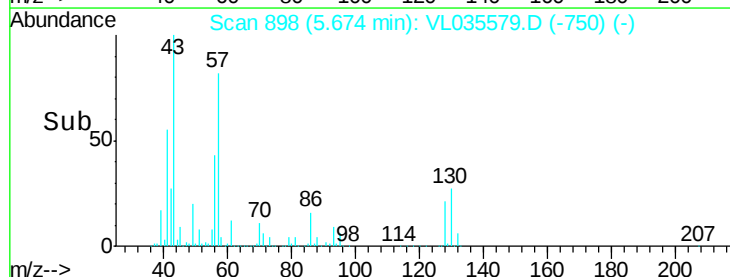
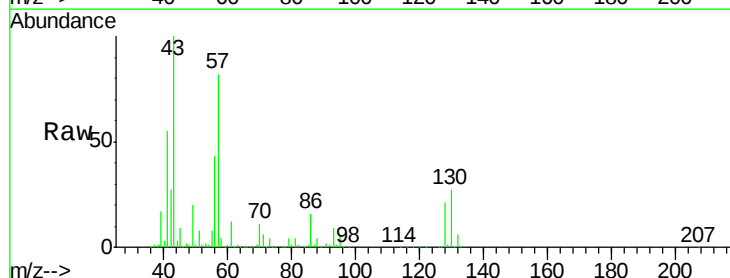
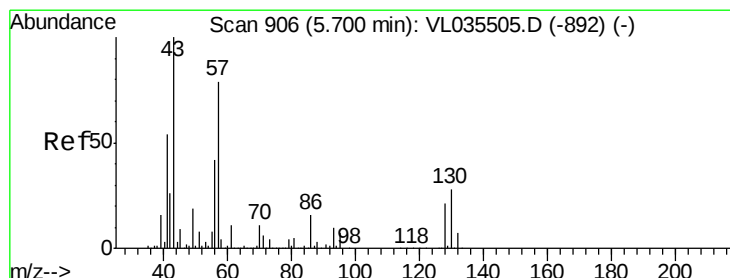
Tot Ion	Ion	Ratio	Lower	Upper
43.10	43	100		
45.10	45	10.7	8.4	12.6
61.10	61	13.6	10.6	16.0
70.10	70	11.9	9.4	14.2



Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

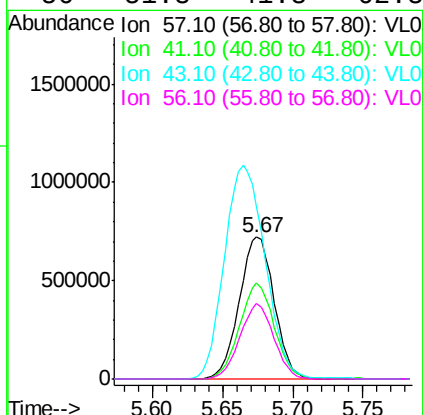
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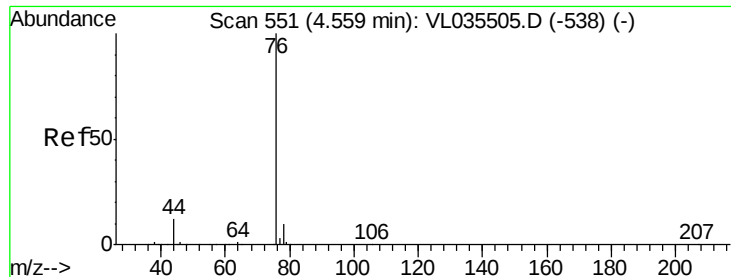
MMDadoda
9/10/2020 10:45:56 AM



#26
Hexane
Concen: 9.895 ppbv
RT: 5.67 min Scan# 898
Delta R.T. -0.03 min
Lab File: VL035579.D
Acq: 9 Sep 2020 9:14

Tgt Ion	Ion	Ratio	Lower	Upper
57.10	57	100		
41.10	41	67.7	55.9	83.9
43.10	43	175.5	141.8	212.8
56.10	56	51.8	41.8	62.8





#27

Carbon Disulfide

Concen: 11.327 ppbv

RT: 4.53 min Scan# 543

Delta R.T. -0.03 min

Lab File: VL035579.D

Acq: 9 Sep 2020 9:14

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 76 Resp: 2054467

Ion Ratio Lower Upper

76 100

44 11.2 9.3 13.9

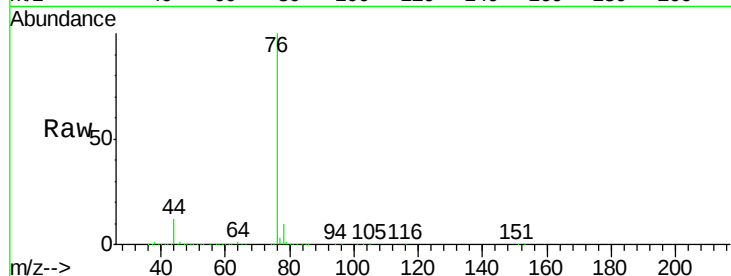
78 9.8 7.8 11.6

Manual Integrations

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MMDadoda

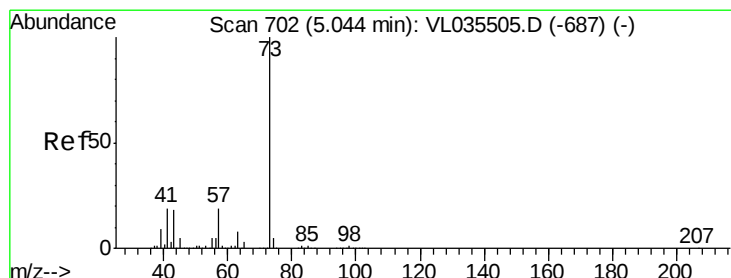
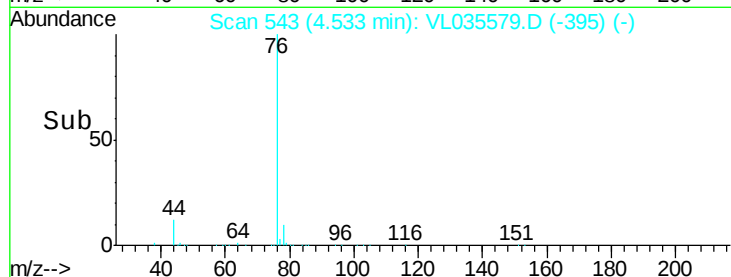
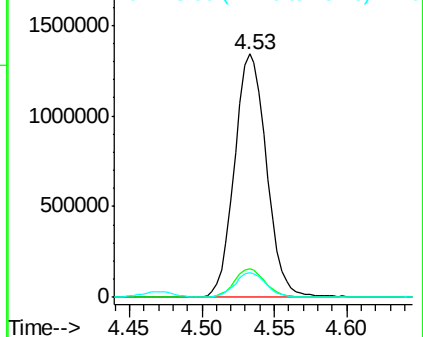
9/10/2020 10:45:56 AM



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: 10.657 ppbv

RT: 5.02 min Scan# 695

Delta R.T. -0.02 min

Lab File: VL035579.D

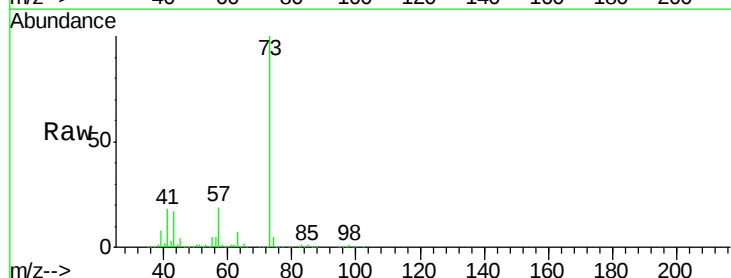
Acq: 9 Sep 2020 9:14

Tgt Ion: 73 Resp: 2347412

Ion Ratio Lower Upper

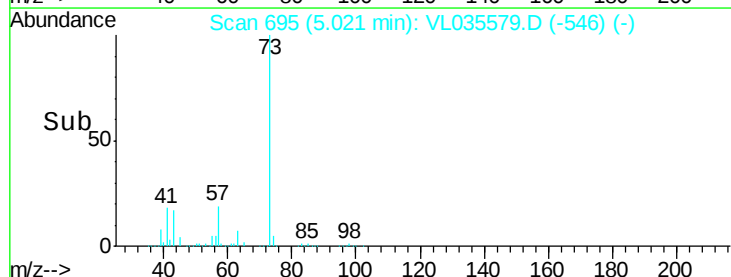
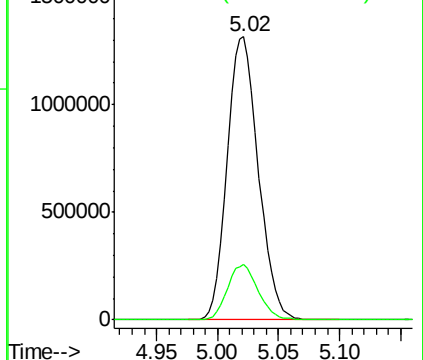
73 100

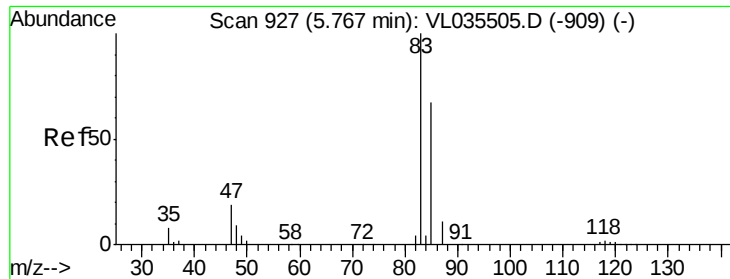
57 19.3 15.2 22.8



Abundance Ion 73.10 (72.80 to 73.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





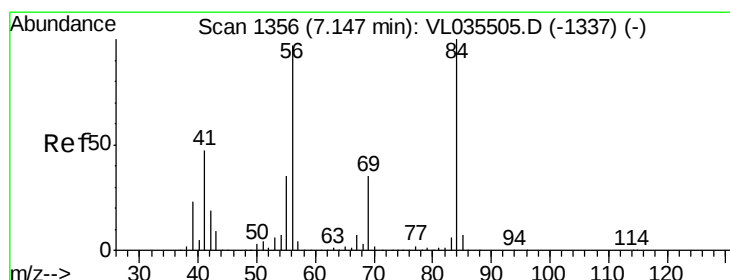
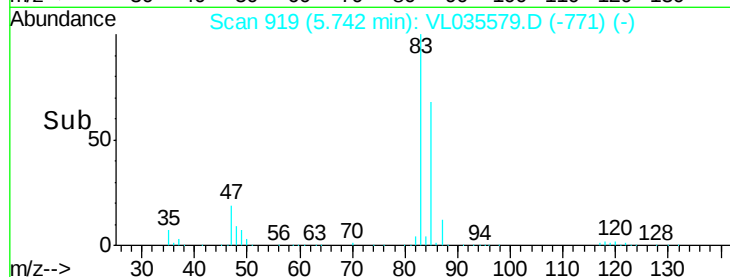
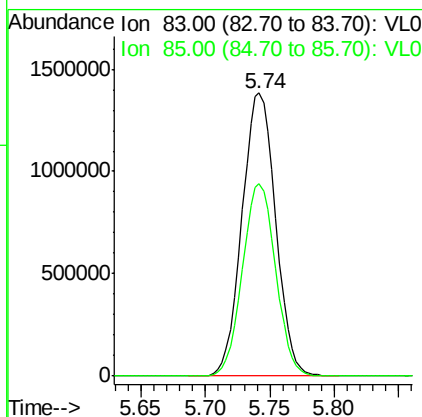
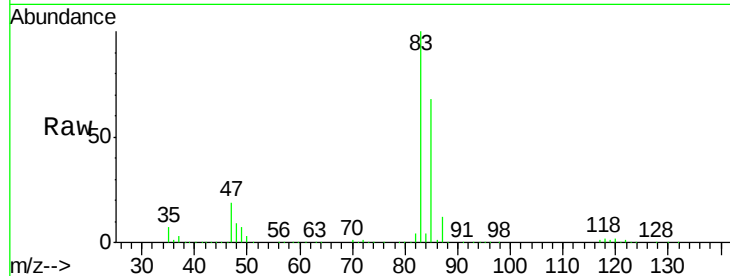
#29
Chloroform
Concen: 9.768 ppbv
RT: 5.74 min Scan# 919
Delta R.T. -0.03 min
Lab File: VL035579.D
Acq: 9 Sep 2020 9:14

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 83 Resp: 2515290
Ion Ratio Lower Upper
83 100
85 68.1 53.9 80.9

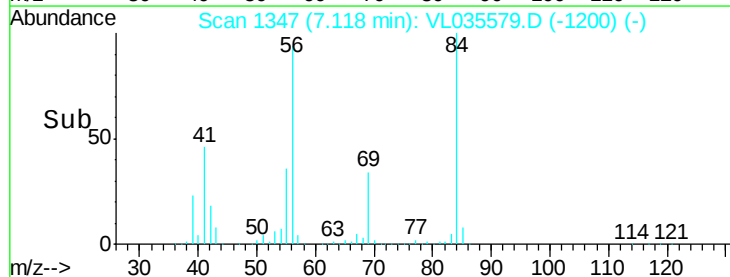
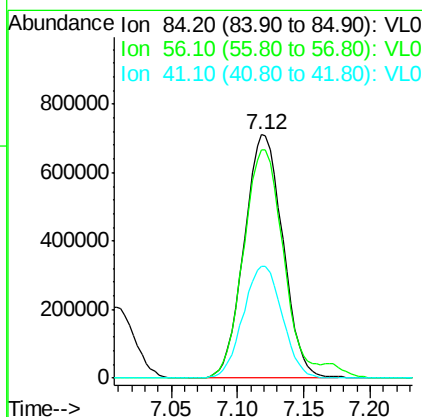
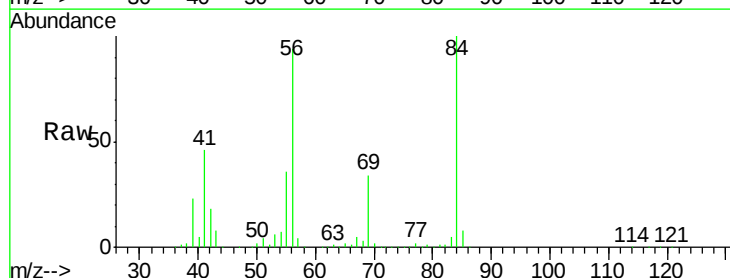
Manual Integrations
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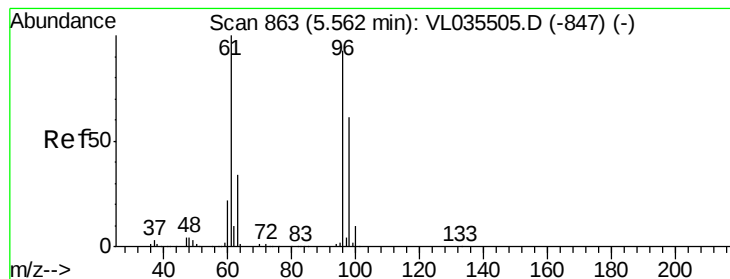
MMDadoda
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#30
Cyclohexane
Concen: 10.651 ppbv
RT: 7.12 min Scan# 1347
Delta R.T. -0.03 min
Lab File: VL035579.D
Acq: 9 Sep 2020 9:14

Tgt Ion: 84 Resp: 1442097
Ion Ratio Lower Upper
84 100
56 100.1 80.1 120.1
41 46.7 38.1 57.1





#31

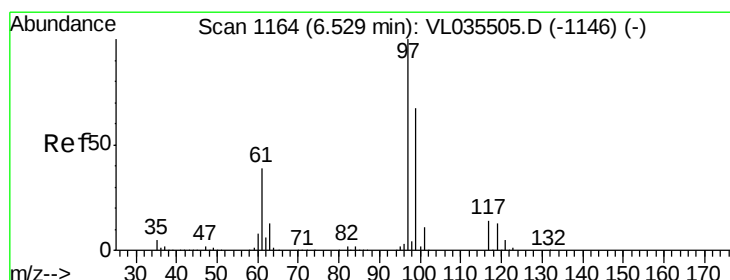
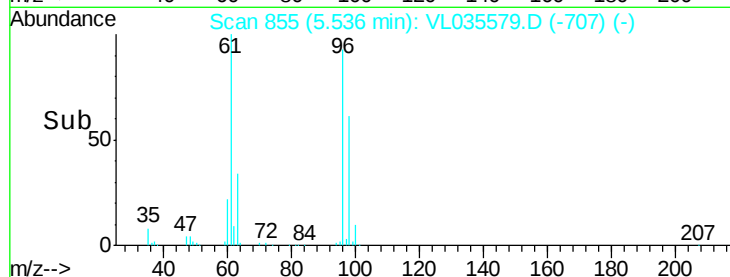
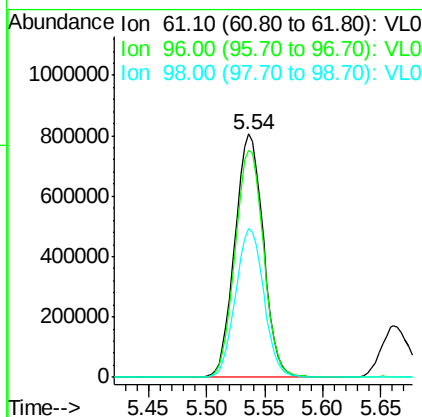
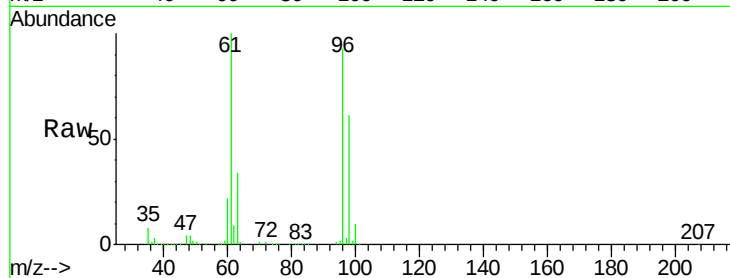
cis-1,2-Dichloroethene
Concen: 10.551 ppbv
RT: 5.54 min Scan# 855
Delta R.T. -0.03 min
Lab File: VL035579.D
Acq: 9 Sep 2020 9:14

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 61 Resp: 1368130
Ion Ratio Lower Upper
61 100
96 93.3 74.4 111.6
98 61.0 49.2 73.8

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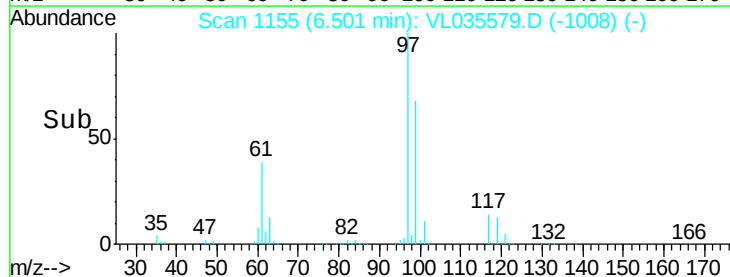
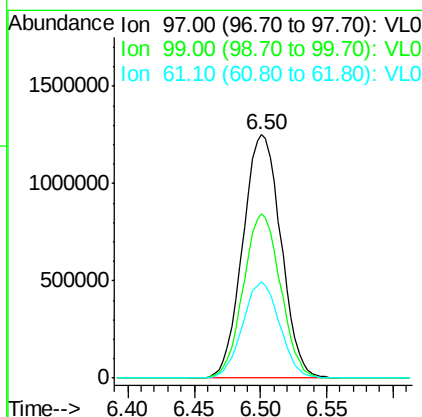
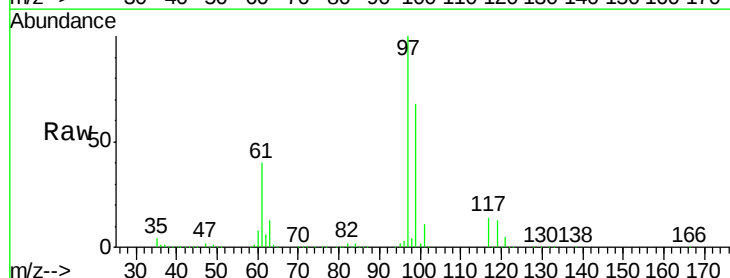
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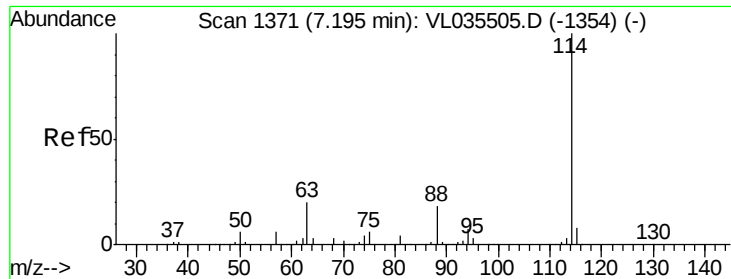


#32

1,1,1-Trichloroethane
Concen: 10.041 ppbv
RT: 6.50 min Scan# 1155
Delta R.T. -0.03 min
Lab File: VL035579.D
Acq: 9 Sep 2020 9:14

Tgt Ion: 97 Resp: 2508245
Ion Ratio Lower Upper
97 100
99 66.0 53.3 79.9
61 38.5 30.6 46.0





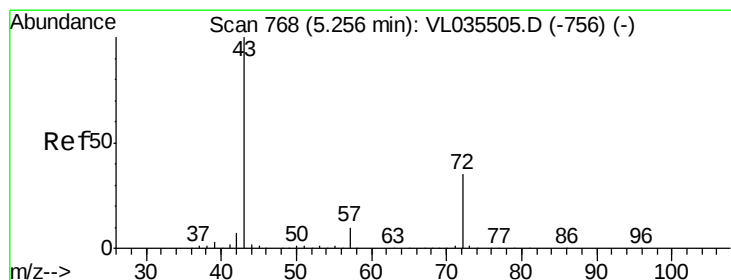
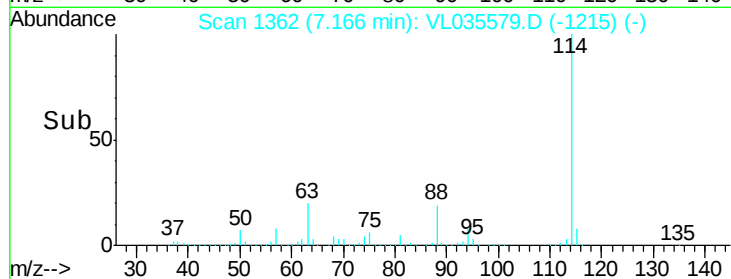
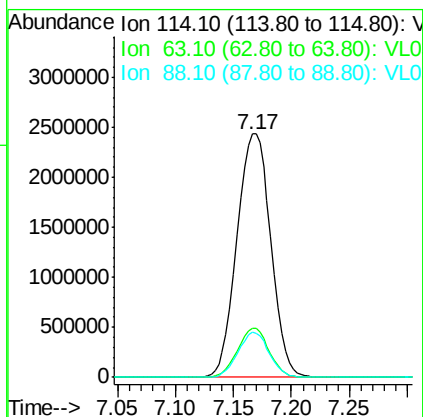
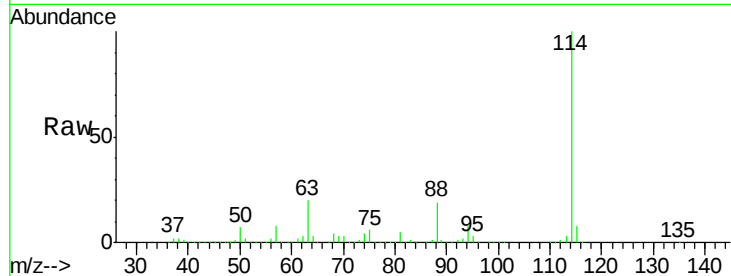
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.17 min Scan# 1362
 Delta R.T. -0.03 min
 Lab File: VL035579.D
 Acq: 9 Sep 2020 9:14

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion:114 Resp: 4931998
 Ion Ratio Lower Upper
 114 100
 63 19.0 14.7 22.1
 88 17.1 13.4 20.2

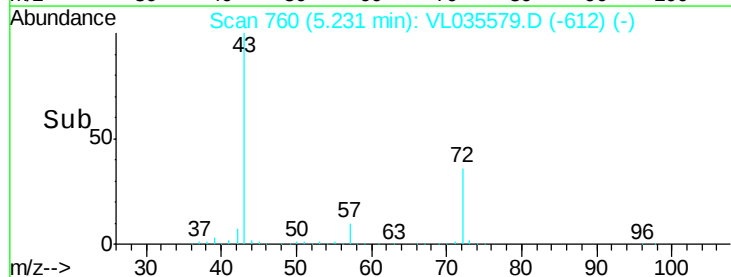
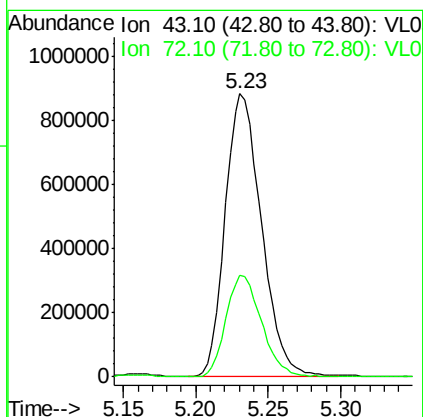
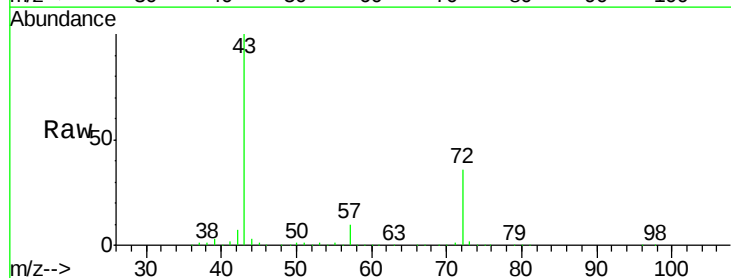
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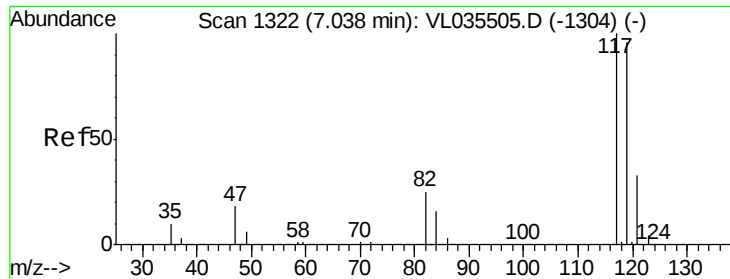
MMDadoda
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#34
 2-Butanone
 Concen: 10.403 ppbv
 RT: 5.23 min Scan# 760
 Delta R.T. -0.03 min
 Lab File: VL035579.D
 Acq: 9 Sep 2020 9:14

Tgt Ion: 43 Resp: 1522713
 Ion Ratio Lower Upper
 43 100
 72 35.7 27.7 41.5





#35

Carbon Tetrachloride

Concen: 10.318 ppbv

RT: 7.01 min Scan# 1313

Delta R.T. -0.03 min

Lab File: VL035579.D

Acq: 9 Sep 2020 9:14

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:117 Resp: 2557702

Ion Ratio Lower Upper

117 100

119 96.9 77.2 115.8

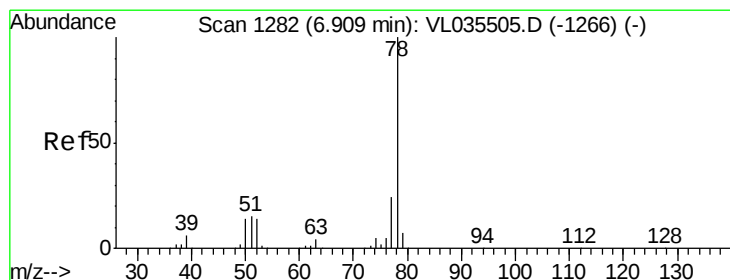
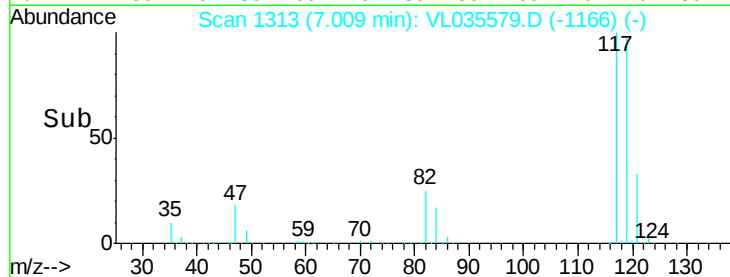
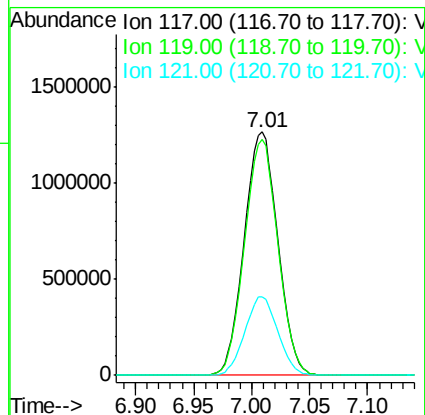
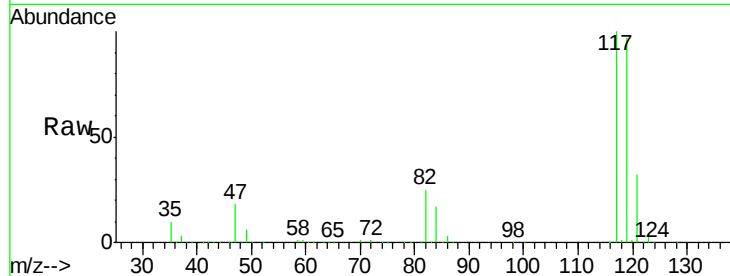
121 32.5 26.1 39.1

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#36

Benzene

Concen: 10.312 ppbv

RT: 6.88 min Scan# 1273

Delta R.T. -0.03 min

Lab File: VL035579.D

Acq: 9 Sep 2020 9:14

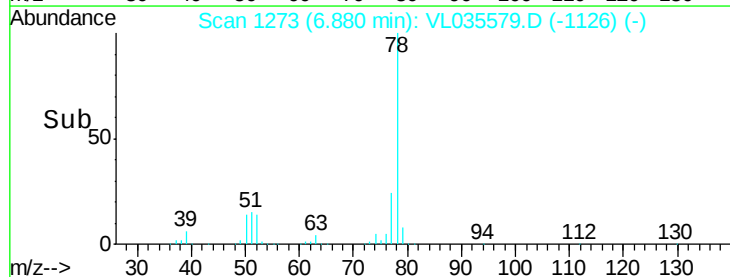
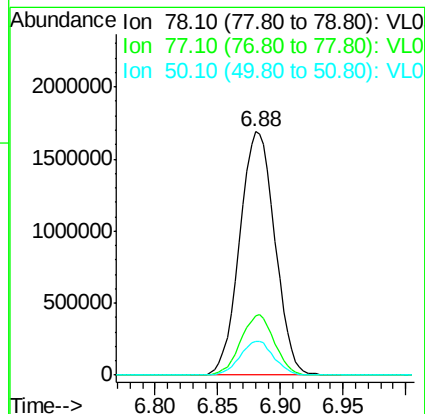
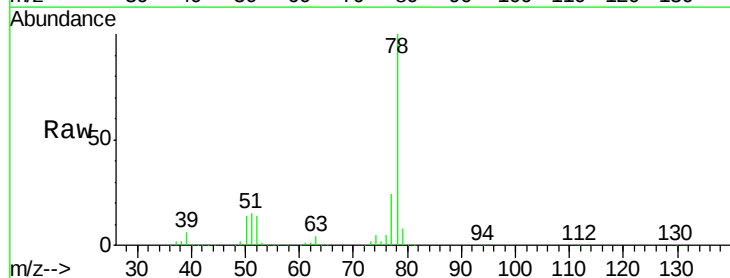
Tgt Ion: 78 Resp: 3292019

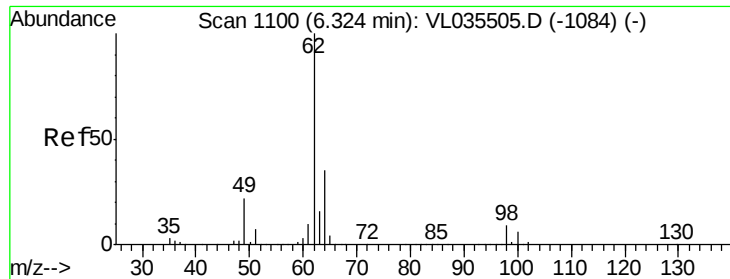
Ion Ratio Lower Upper

78 100

77 24.4 19.3 28.9

50 13.7 11.0 16.6





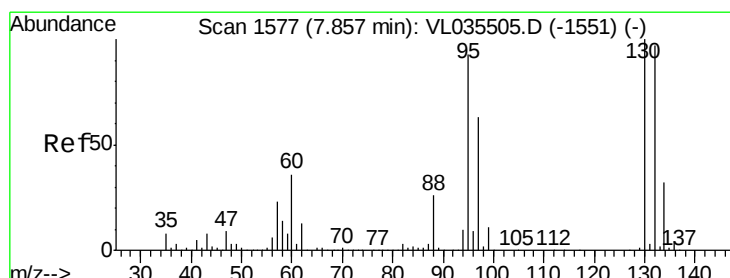
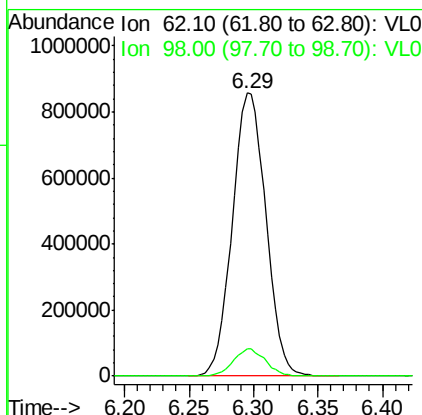
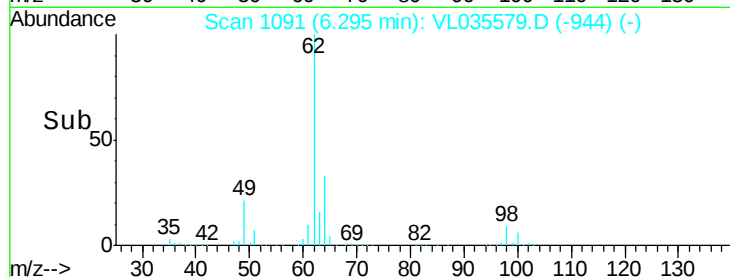
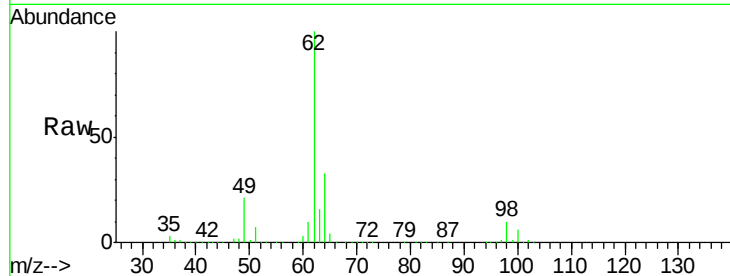
#37
 1,2-Dichloroethane
 Concen: 10.208 ppbv
 RT: 6.29 min Scan# 1091
 Delta R.T. -0.03 min
 Lab File: VL035579.D
 Acq: 9 Sep 2020 9:14

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion: 62 Resp: 1553674
 Ion Ratio Lower Upper
 62 100
 98 9.3 7.4 11.0

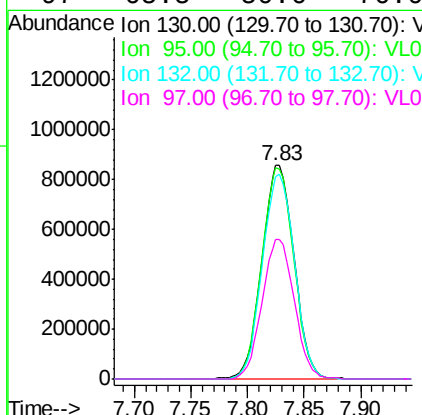
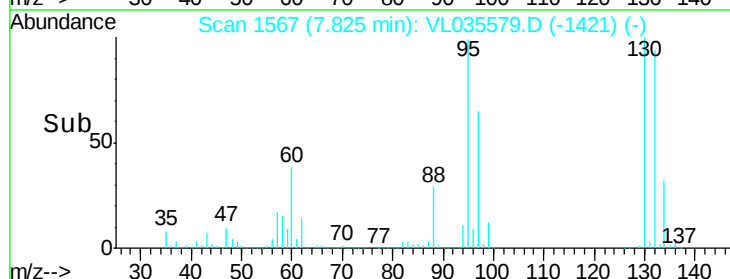
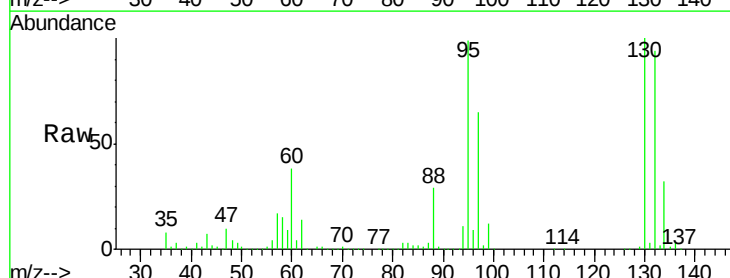
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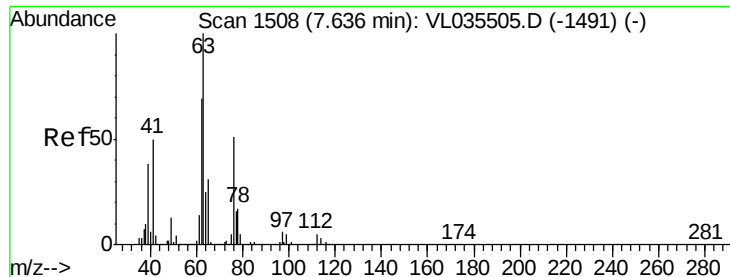
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#38
 Trichloroethene
 Concen: 9.093 ppbv
 RT: 7.83 min Scan# 1567
 Delta R.T. -0.03 min
 Lab File: VL035579.D
 Acq: 9 Sep 2020 9:14

Tgt Ion:130 Resp: 1686274
 Ion Ratio Lower Upper
 130 100
 95 99.0 74.6 112.0
 132 94.5 77.6 116.4
 97 65.5 50.6 76.0





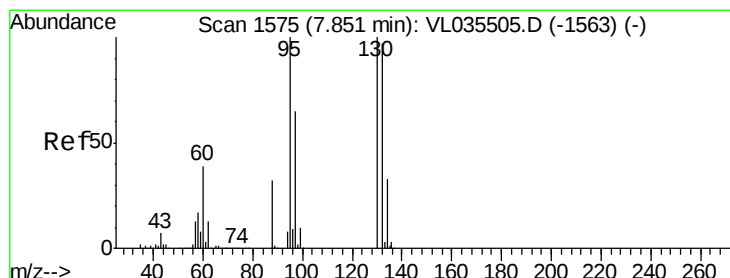
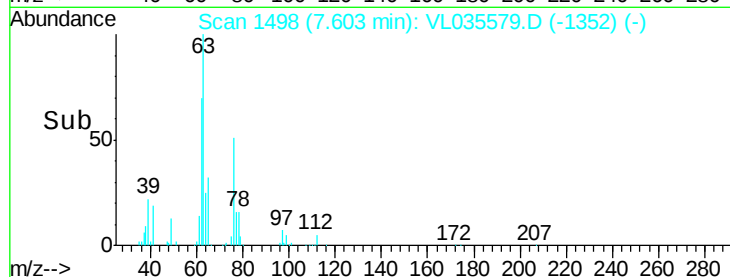
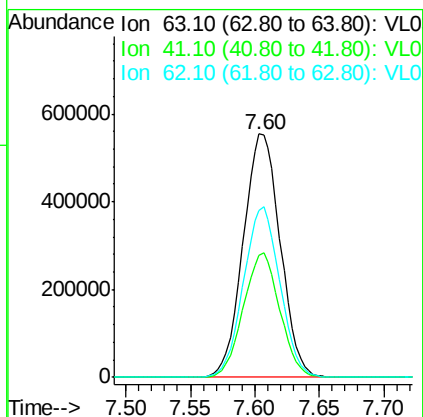
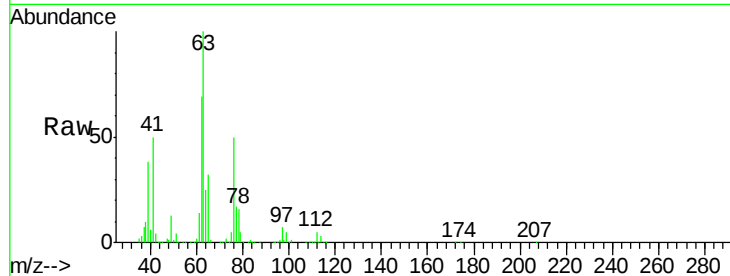
#39
 1,2-Dichloropropane
 Concen: 10.291 ppbv
 RT: 7.60 min Scan# 1498
 Delta R.T. -0.03 min
 Lab File: VL035579.D
 Acq: 9 Sep 2020 9:14

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
63	100		
41	49.8	40.0	60.0
62	68.7	55.4	83.0

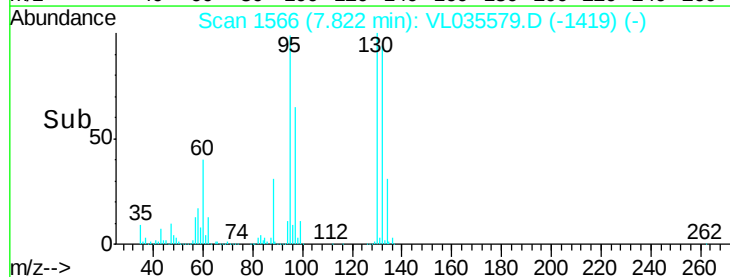
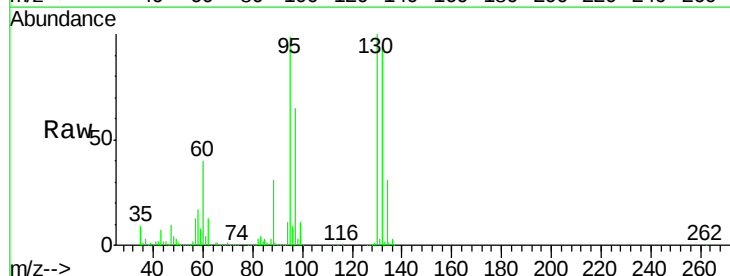
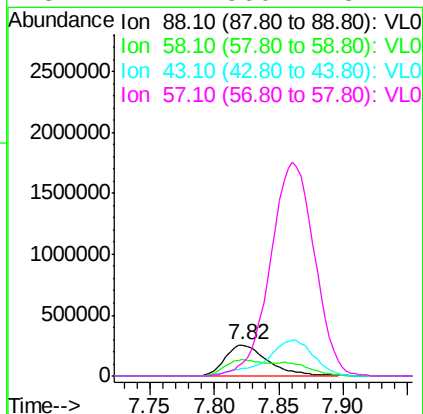
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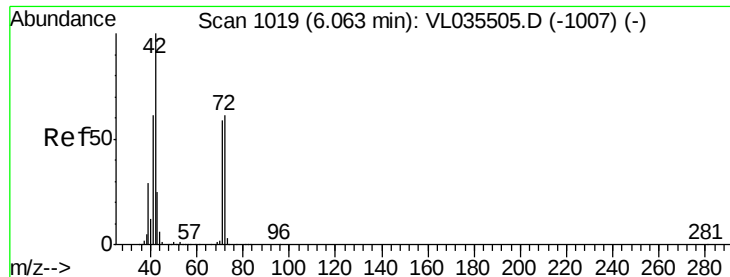
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#40
 1,4-Dioxane
 Concen: 10.771 ppbv
 RT: 7.82 min Scan# 1566
 Delta R.T. -0.03 min
 Lab File: VL035579.D
 Acq: 9 Sep 2020 9:14

Tgt Ion	Ratio	Lower	Upper
88	100		
58	87.8	68.7	103.1
43	131.6	104.3	156.5
57	721.2	560.7	841.1





#41

Tetrahydrofuran

Concen: 11.098 ppbv

RT: 6.04 min Scan# 1011

Delta R.T. -0.03 min

Lab File: VL035579.D

Acq: 9 Sep 2020 9:14

Instrument :

MSVOA_L

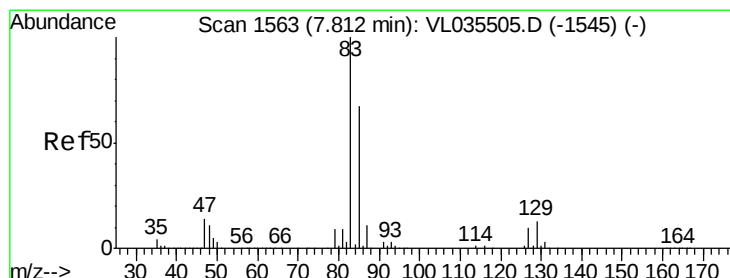
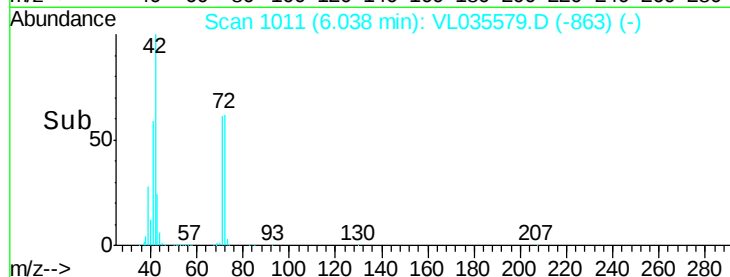
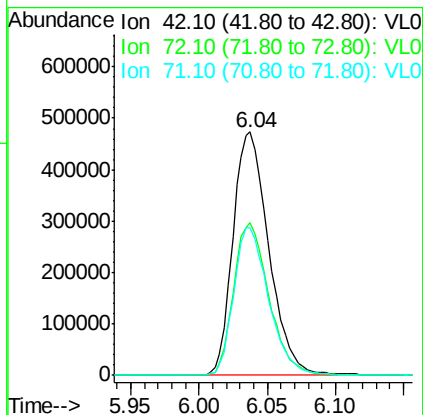
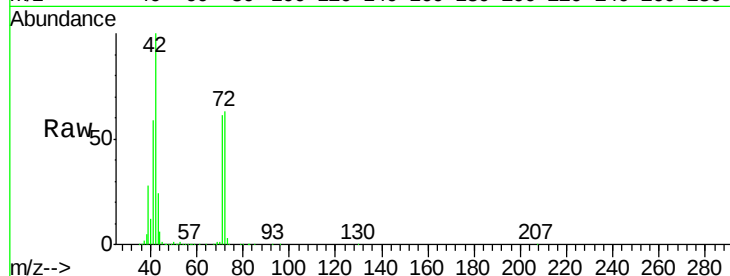
ClientSampleId :

VSTDCCC010EC

Tot Ion:	42	Resp:	861412
Ion Ratio		Lower	Upper
42	100		
72	62.2	48.6	73.0
71	59.5	46.1	69.1

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#42

Bromodichloromethane

Concen: 10.815 ppbv

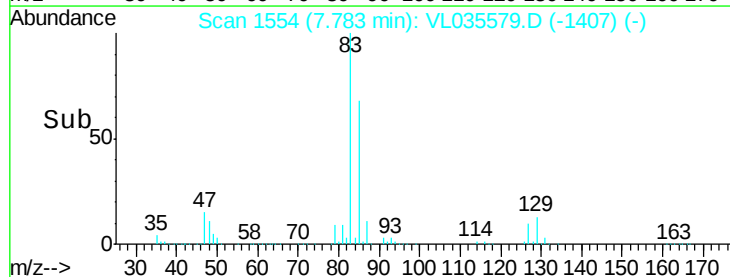
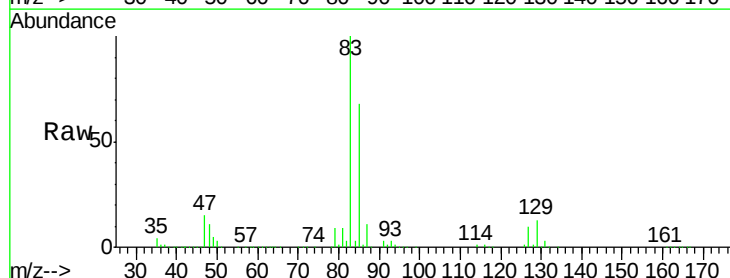
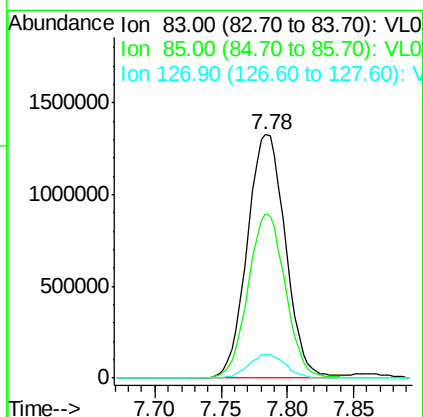
RT: 7.78 min Scan# 1554

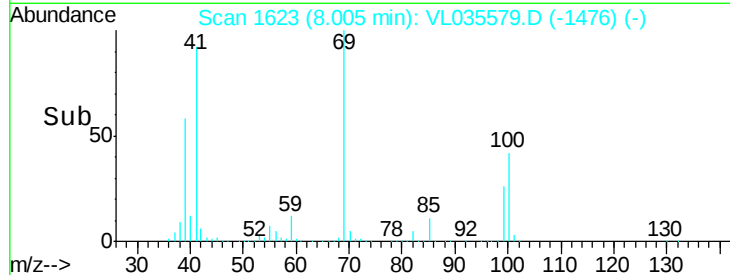
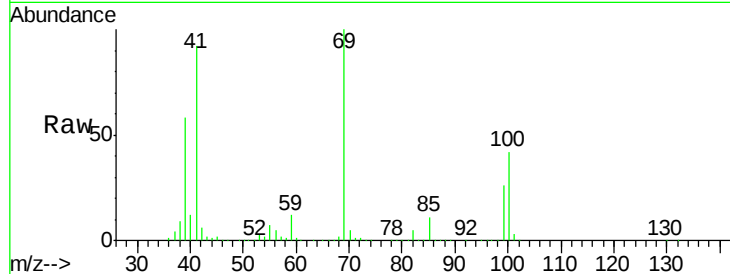
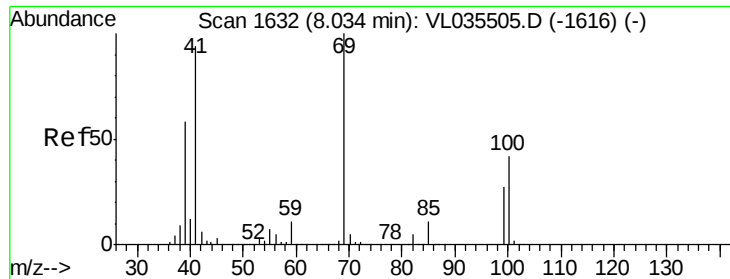
Delta R.T. -0.03 min

Lab File: VL035579.D

Acq: 9 Sep 2020 9:14

Tgt Ion:	83	Resp:	2661878
Ion Ratio		Lower	Upper
83	100		
85	67.7	53.7	80.5
127	9.7	8.1	12.1





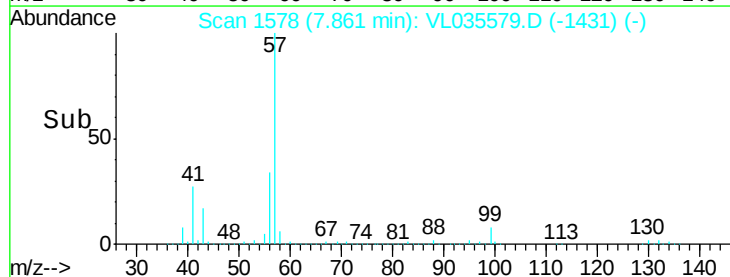
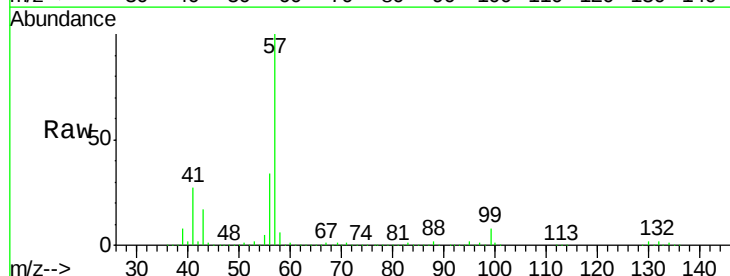
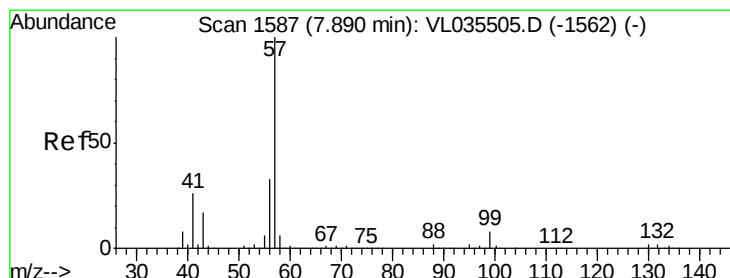
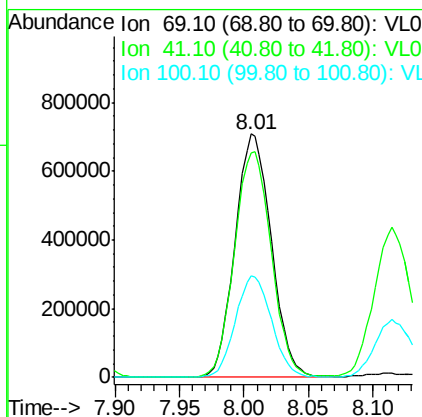
#43
Methvl Methacrilate
Concen: 11.256 ppbv
RT: 8.01 min Scan# 1623
Delta R.T. -0.03 min
Lab File: VL035579.D
Acq: 9 Sep 2020 9:14

Tot Ion: 69 Resp: 1389477
Ion Ratio Lower Upper
69 100
41 93.9 76.6 114.8
100 41.5 33.8 50.6

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

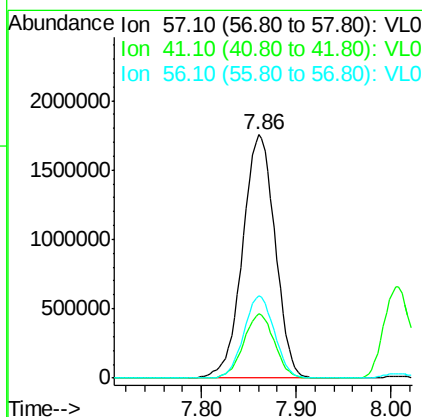
Manual Integrations
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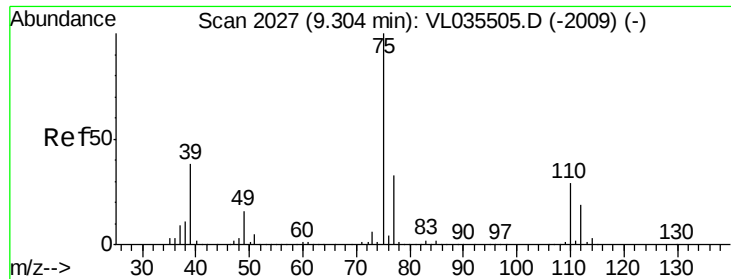
MMDadoda
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#44
2,2,4-Trimethylpentane
Concen: 9.952 ppbv
RT: 7.86 min Scan# 1578
Delta R.T. -0.03 min
Lab File: VL035579.D
Acq: 9 Sep 2020 9:14

Tgt Ion: 57 Resp: 4180479
Ion Ratio Lower Upper
57 100
41 25.2 20.5 30.7
56 31.9 25.3 37.9





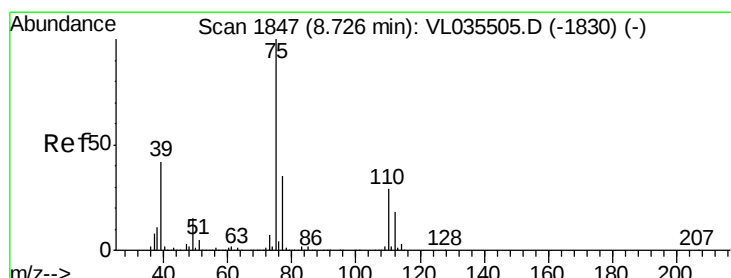
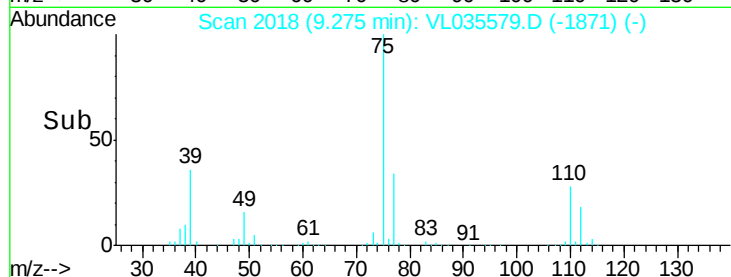
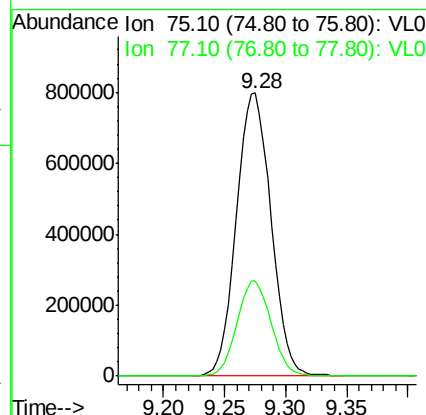
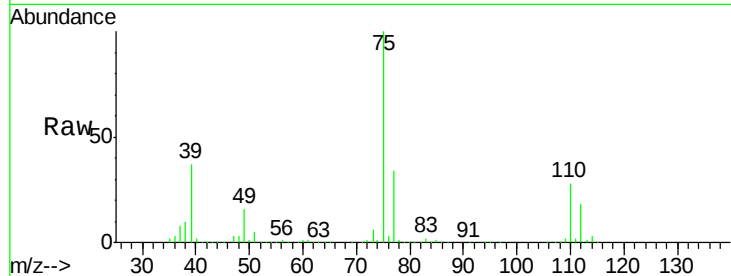
#45
t-1,3-Dichloropropene
Concen: 12.568 ppbv
RT: 9.28 min Scan# 2018
Delta R.T. -0.03 min
Lab File: VL035579.D
Acq: 9 Sep 2020 9:14

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 75 Resp: 1571756
Ion Ratio Lower Upper
75 100
77 33.6 26.5 39.7

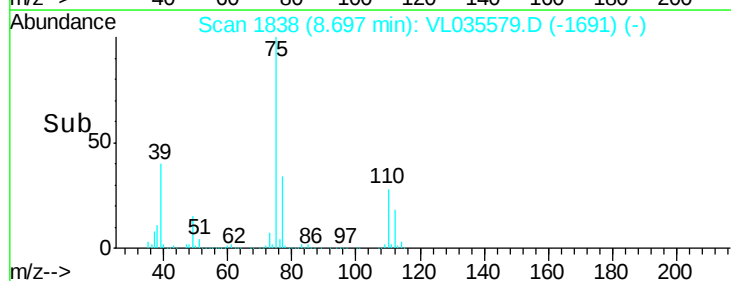
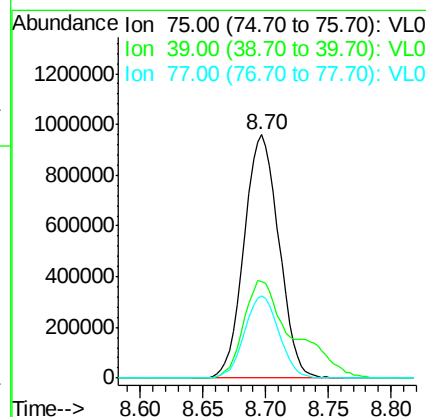
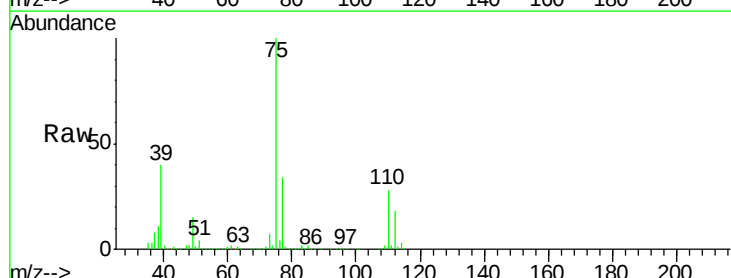
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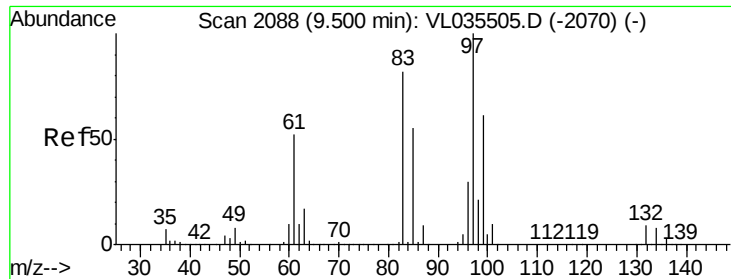
MMDadoda
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#46
cis-1,3-Dichloropropene
Concen: 11.940 ppbv
RT: 8.70 min Scan# 1838
Delta R.T. -0.03 min
Lab File: VL035579.D
Acq: 9 Sep 2020 9:14

Tgt Ion: 75 Resp: 1853999
Ion Ratio Lower Upper
75 100
39 39.8 33.7 50.5
77 33.7 27.8 41.6





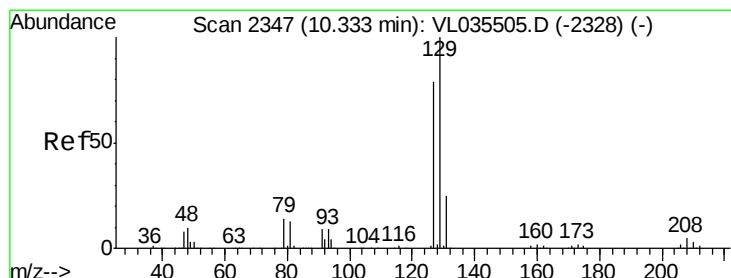
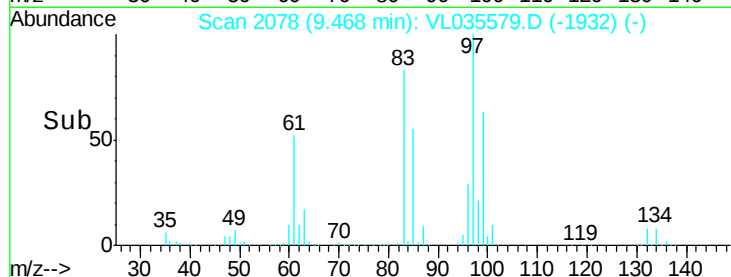
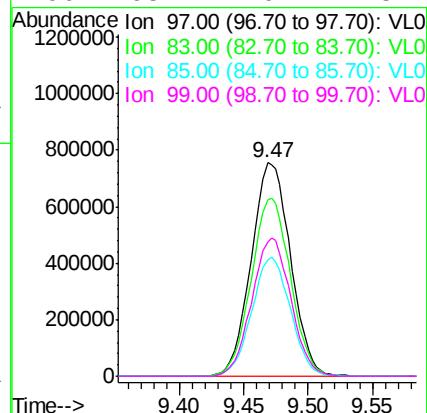
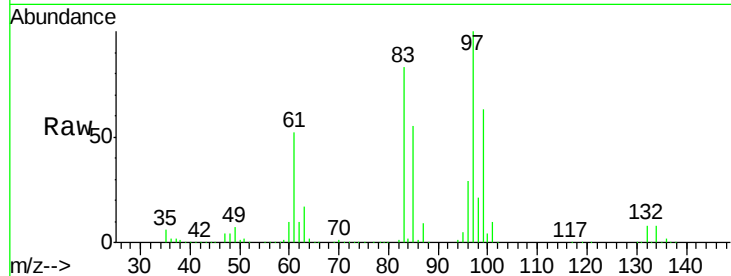
#47
 1,1,2-Trichloroethane
 Concen: 10.097 ppbv
 RT: 9.47 min Scan# 2078
 Delta R.T. -0.03 min
 Lab File: VL035579.D
 Acq: 9 Sep 2020 9:14

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	97	Resp	1606805
Ion	Ratio	Lower	Upper
97	100		
83	82.6	65.4	98.2
85	54.5	43.7	65.5
99	63.1	49.1	73.7

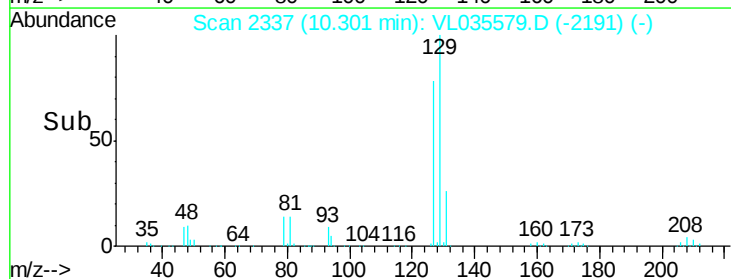
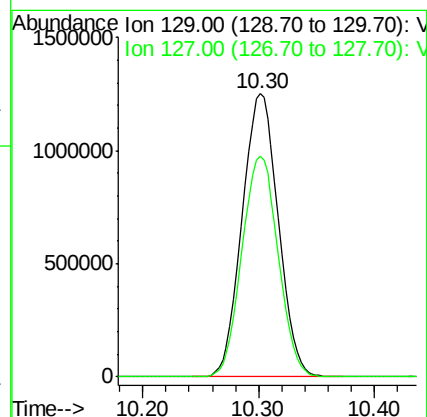
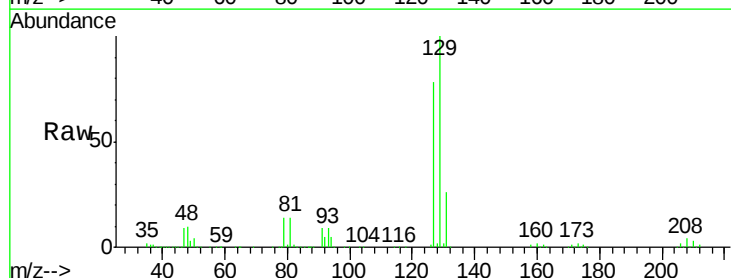
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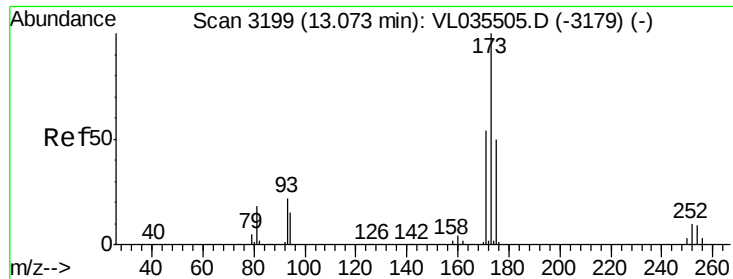
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#48
 Dibromochloromethane
 Concen: 10.839 ppbv
 RT: 10.30 min Scan# 2337
 Delta R.T. -0.03 min
 Lab File: VL035579.D
 Acq: 9 Sep 2020 9:14

Tgt Ion	129	Resp	2714679
Ion	Ratio	Lower	Upper
129	100		
127	78.1	39.3	117.8





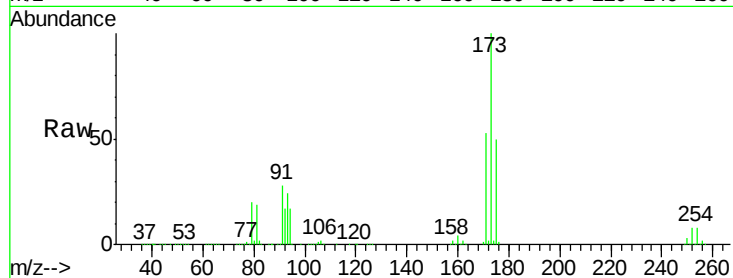
#49
Bromoform
Concen: 10.847 ppbv
RT: 13.04 min Scan# 3189
Delta R.T. -0.03 min
Lab File: VL035579.D
Acq: 9 Sep 2020 9:14

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

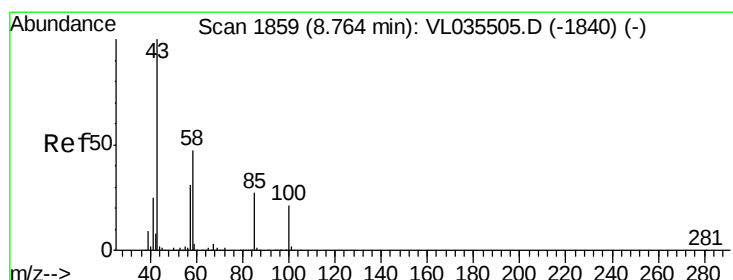
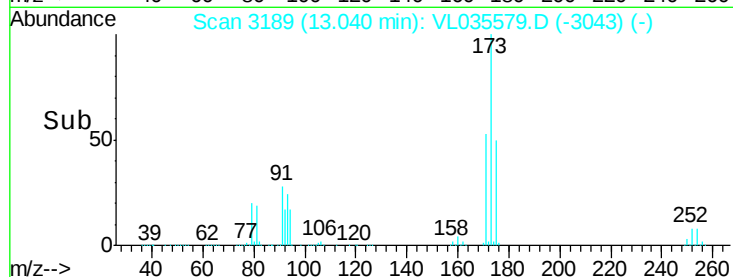
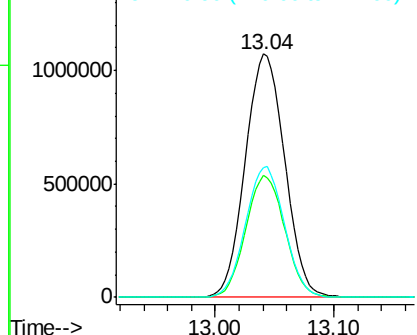
Tot Ion:173 Resp: 2462199
Ion Ratio Lower Upper
173 100
175 49.6 39.8 59.8
171 53.2 42.4 63.6

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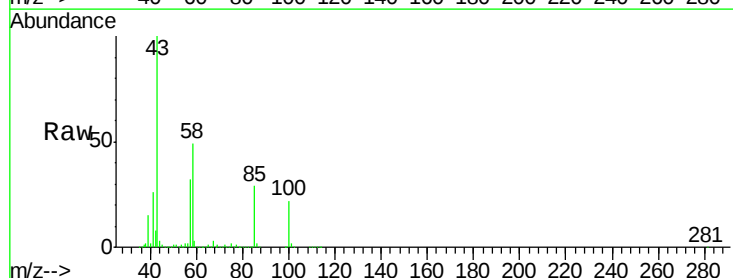


Abundance Ion 172.90 (172.60 to 173.60): V
Ion 174.90 (174.60 to 175.60): V
Ion 170.90 (170.60 to 171.60): V

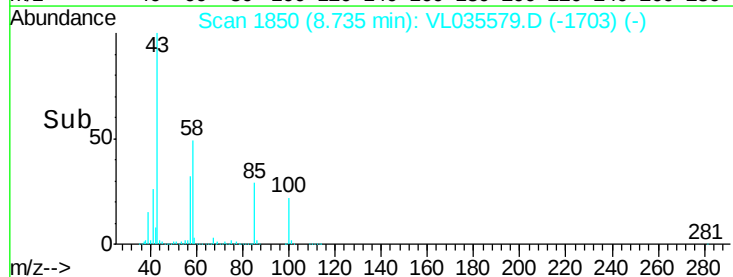
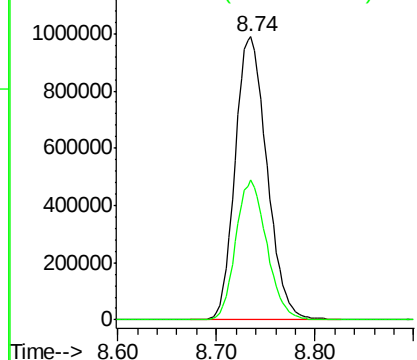


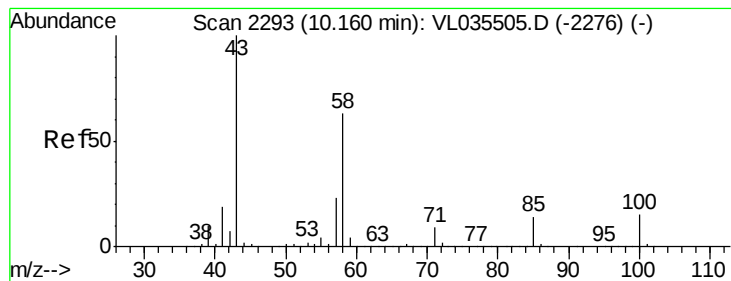
#50
4-Methyl-2-Pentanone
Concen: 10.477 ppbv
RT: 8.74 min Scan# 1850
Delta R.T. -0.03 min
Lab File: VL035579.D
Acq: 9 Sep 2020 9:14

Tgt Ion: 43 Resp: 2220470
Ion Ratio Lower Upper
43 100
58 48.1 37.4 56.0



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





#51

2-Hexanone

Concen: 11.104 ppbv

RT: 10.13 min Scan# 2283

Delta R.T. -0.03 min

Lab File: VL035579.D

Acq: 9 Sep 2020 9:14

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 43 Resp: 1930491

Ion Ratio Lower Upper

43 100

58 64.4 50.2 75.4

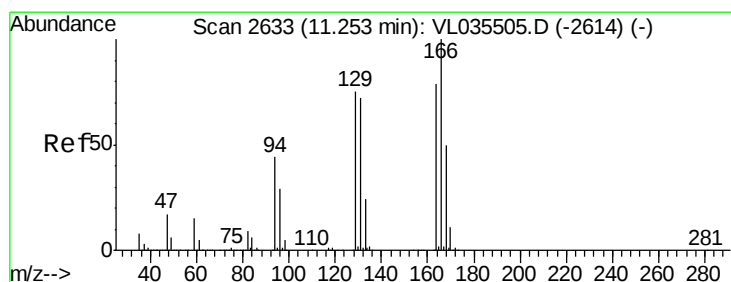
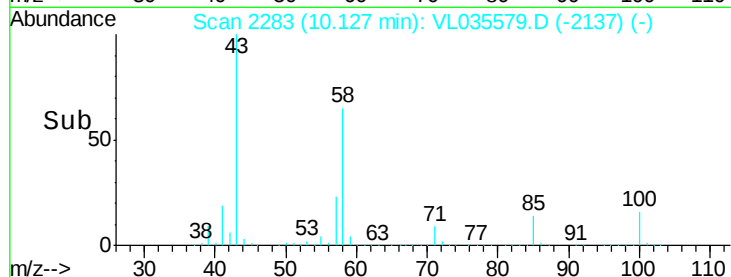
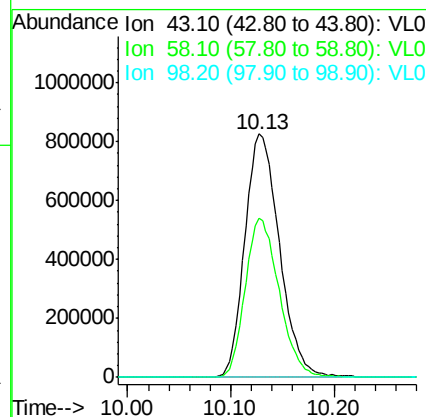
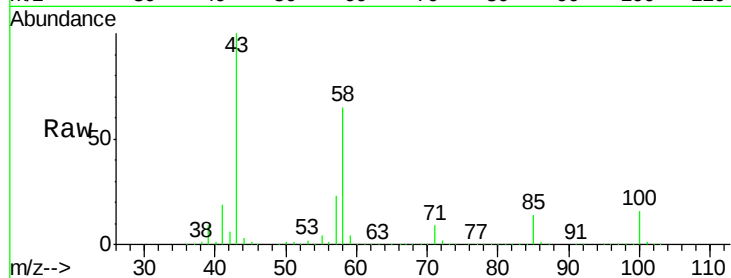
98 0.4 0.4 0.6#

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#52

Tetrachloroethene

Concen: 8.996 ppbv

RT: 11.22 min Scan# 2623

Delta R.T. -0.03 min

Lab File: VL035579.D

Acq: 9 Sep 2020 9:14

Tgt Ion: 164 Resp: 1677757

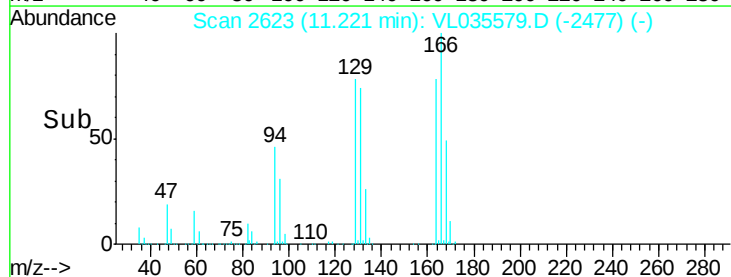
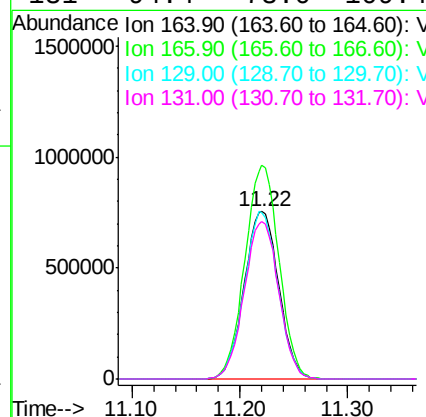
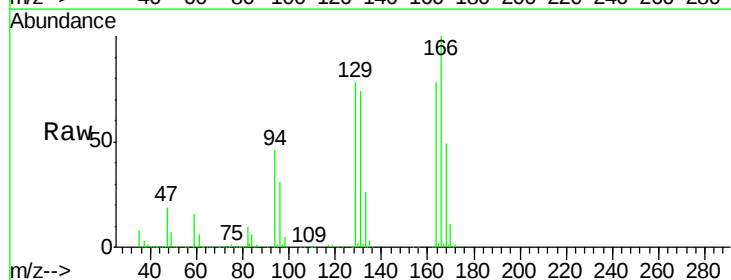
Ion Ratio Lower Upper

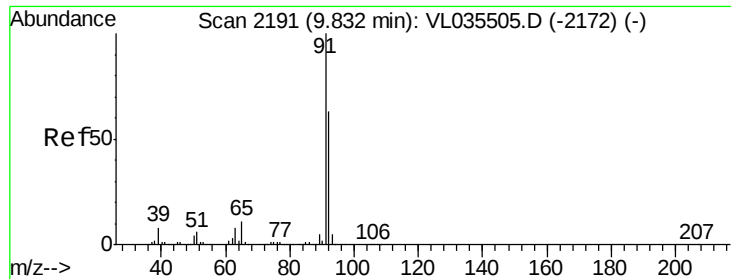
164 100

166 127.6 100.9 151.3

129 99.8 75.3 112.9

131 94.4 73.0 109.4





#53

Toluene

Concen: 10.378 ppbv

RT: 9.80 min Scan# 2181

Delta R.T. -0.03 min

Lab File: VL035579.D

Acq: 9 Sep 2020 9:14

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 91 Resp: 4166498

Ion Ratio Lower Upper

91 100

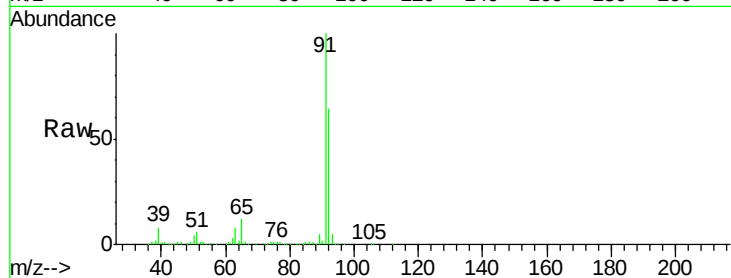
92 63.0 49.8 74.8

Manual Integrations

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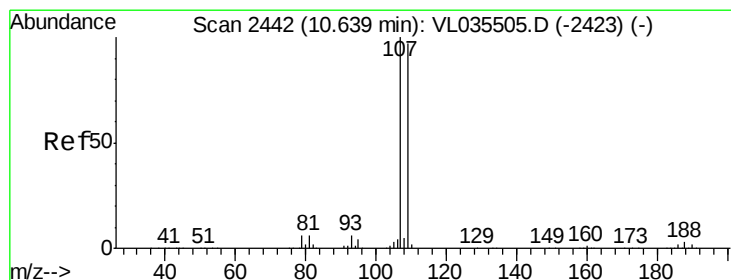
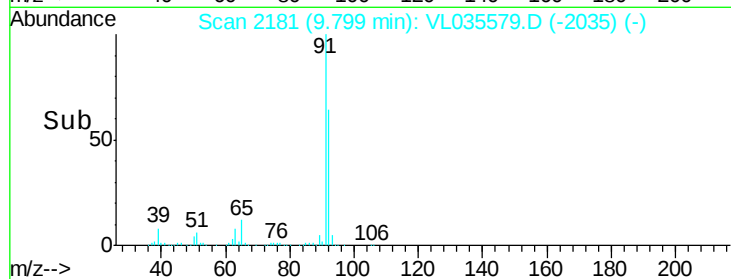
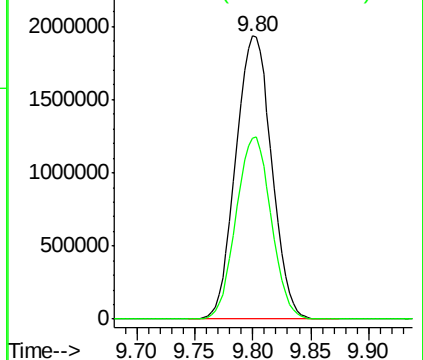
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Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0



#54

1,2-Dibromoethane

Concen: 10.190 ppbv

RT: 10.61 min Scan# 2433

Delta R.T. -0.03 min

Lab File: VL035579.D

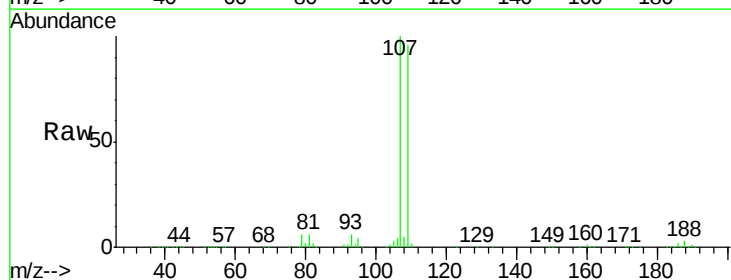
Acq: 9 Sep 2020 9:14

Tgt Ion: 107 Resp: 2562231

Ion Ratio Lower Upper

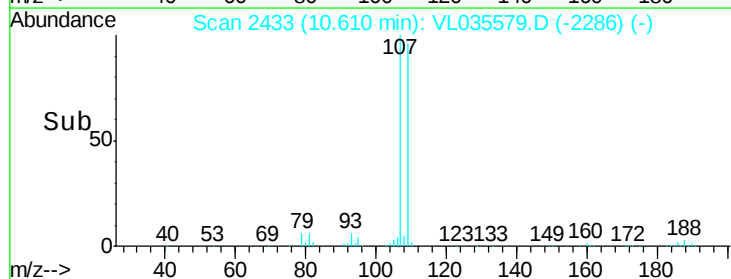
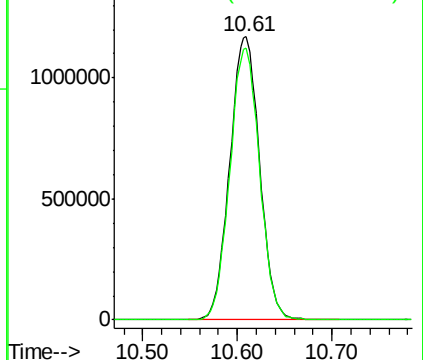
107 100

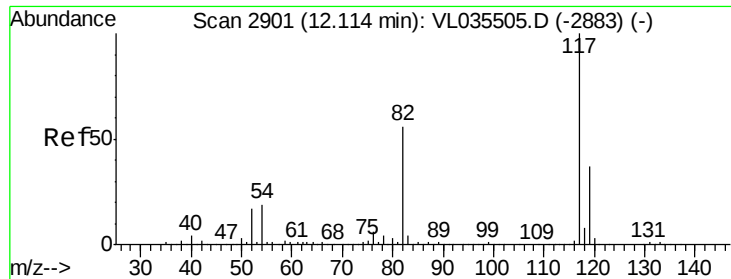
109 95.9 77.8 116.8



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V





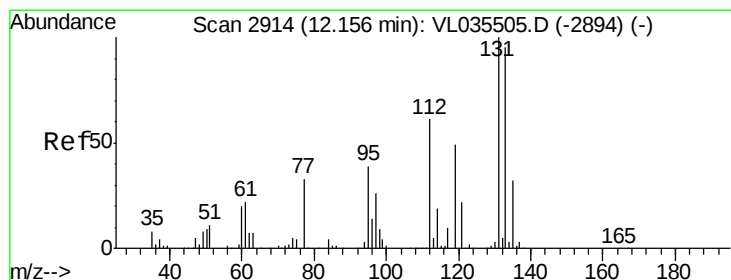
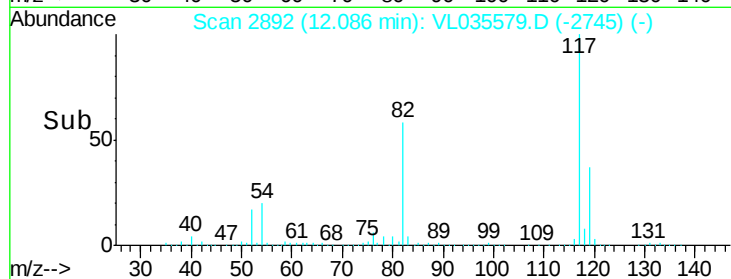
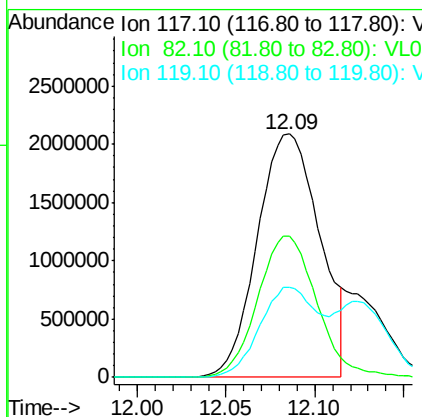
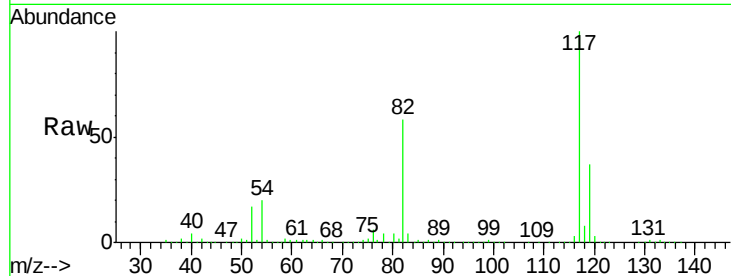
#55
Chlorobenzene-d5
Concen: 10.000 ppbv m
RT: 12.09 min Scan# 2892
Delta R.T. -0.03 min
Lab File: VL035579.D
Acq: 9 Sep 2020 9:14

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion:117 Resp: 5102980
Ion Ratio Lower Upper
117 100
82 55.0 41.6 62.4
119 35.1 29.3 43.9

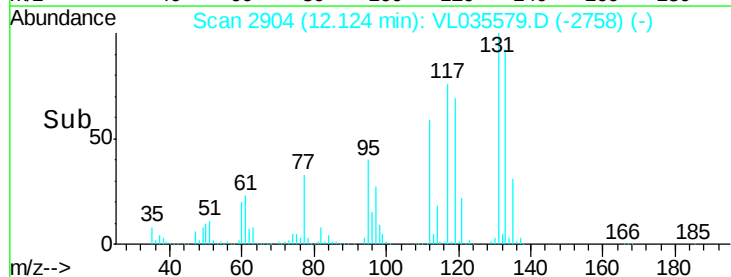
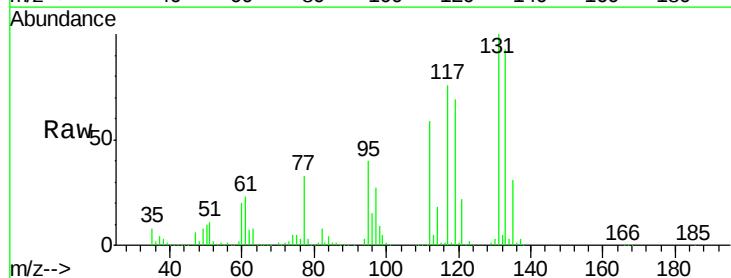
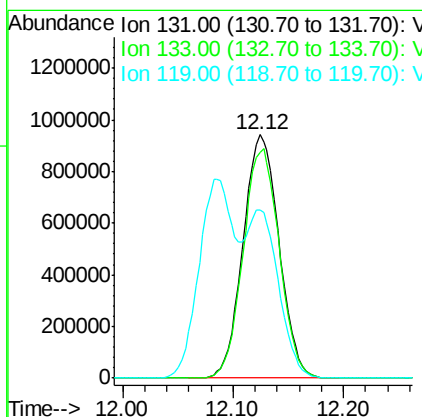
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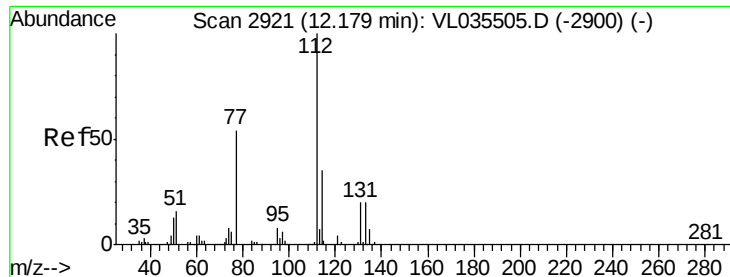
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#56
1,1,1,2-Tetrachloroethane
Concen: 10.231 ppbv
RT: 12.12 min Scan# 2904
Delta R.T. -0.03 min
Lab File: VL035579.D
Acq: 9 Sep 2020 9:14

Tgt Ion:131 Resp: 2124444
Ion Ratio Lower Upper
131 100
133 95.1 76.6 115.0
119 56.3 51.6 77.4





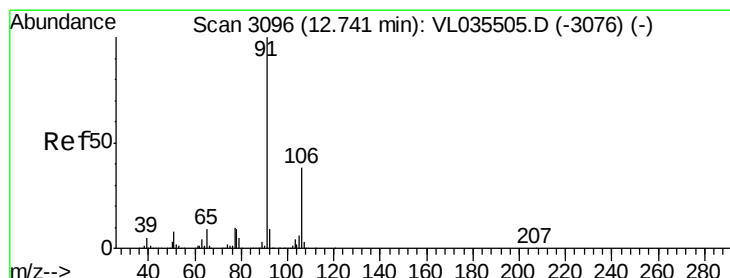
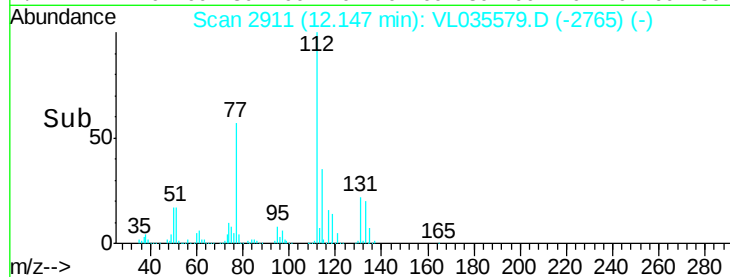
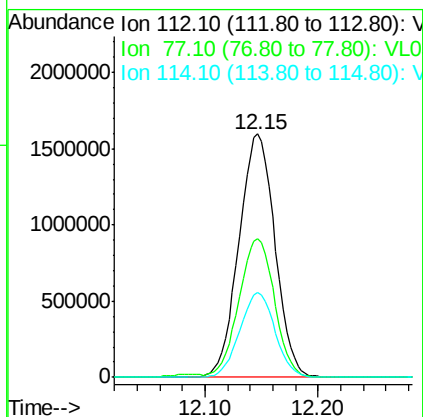
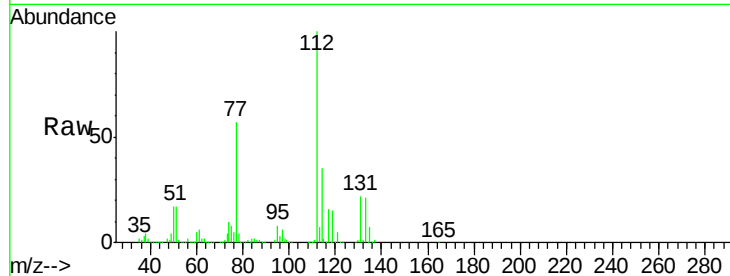
#57
Chlorobenzene
Concen: 9.427 ppbv
RT: 12.15 min Scan# 2911
Delta R.T. -0.03 min
Lab File: VL035579.D
Acq: 9 Sep 2020 9:14

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
112	100		
77	56.7	44.2	66.4
114	35.1	31.6	38.6

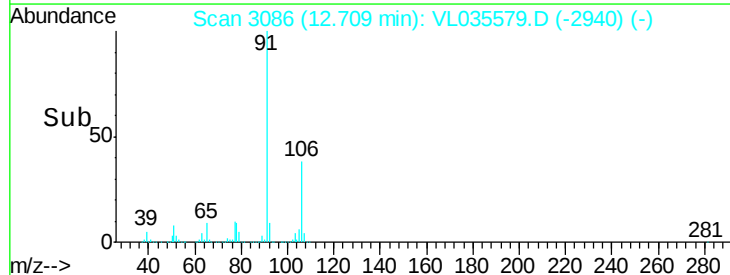
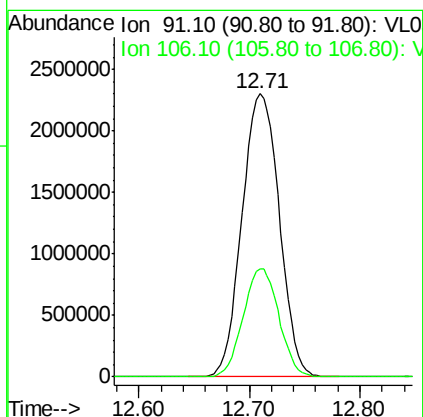
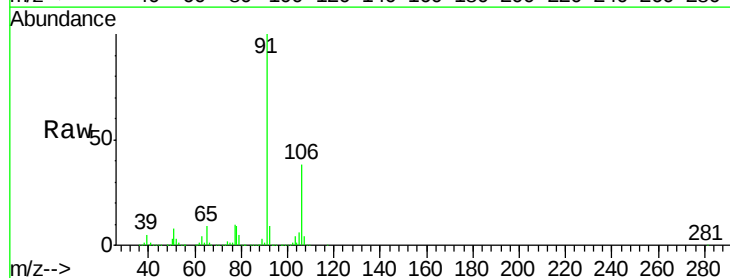
Manual Integrations
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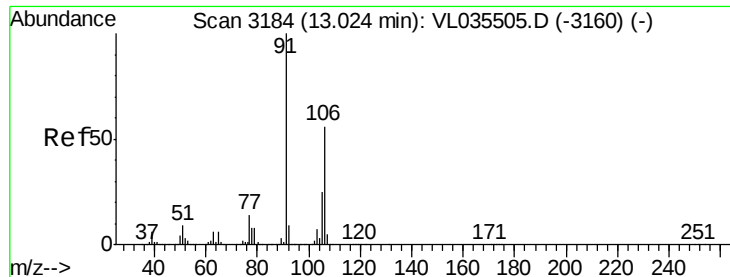
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#58
Ethyl Benzene
Concen: 10.268 ppbv
RT: 12.71 min Scan# 3086
Delta R.T. -0.03 min
Lab File: VL035579.D
Acq: 9 Sep 2020 9:14

Tgt Ion	Ratio	Lower	Upper
91	100		
106	38.0	30.3	45.5





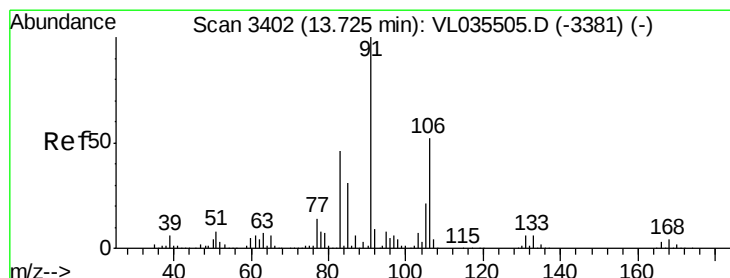
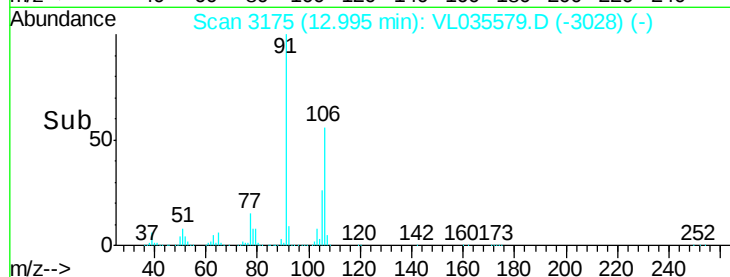
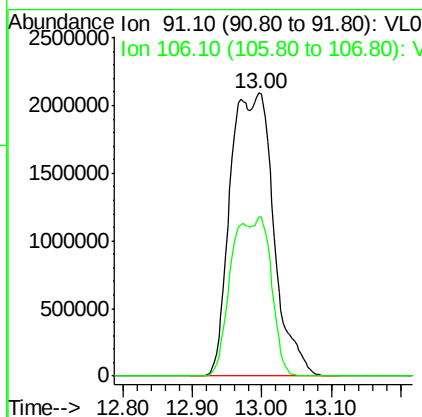
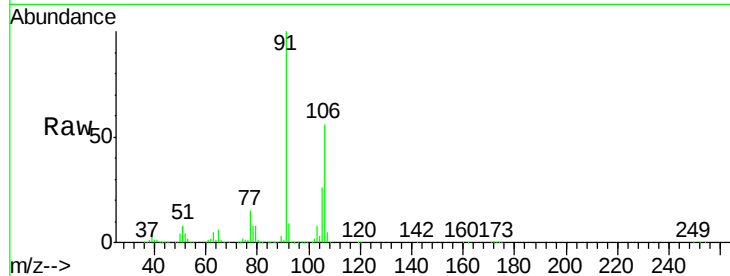
#59
m/p-Xylene
Concen: 20.681 ppbv m
RT: 13.00 min Scan# 3175
Delta R.T. -0.03 min
Lab File: VL035579.D
Acq: 9 Sep 2020 9:14

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 91 Resp: 9093826
Ion Ratio Lower Upper
91 100
106 51.7 43.4 65.2

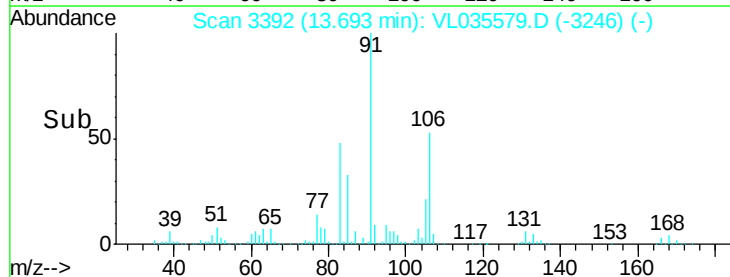
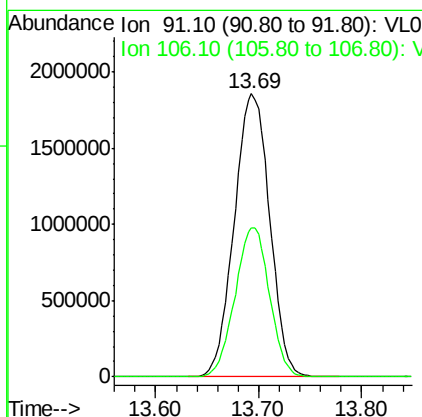
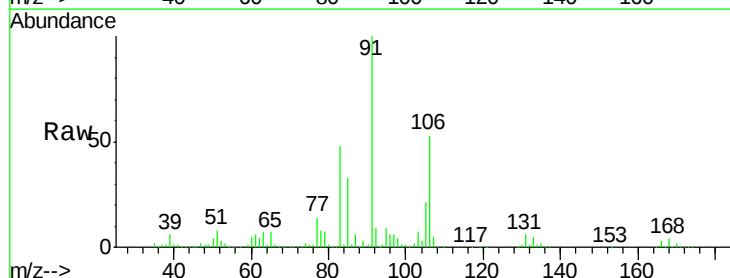
Manual Integrations
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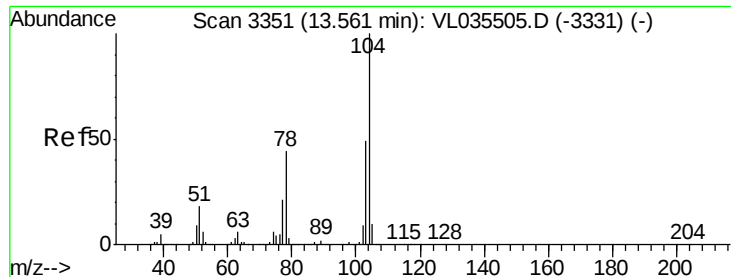
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#60
o-Xylene
Concen: 10.006 ppbv
RT: 13.69 min Scan# 3392
Delta R.T. -0.03 min
Lab File: VL035579.D
Acq: 9 Sep 2020 9:14

Tgt Ion: 91 Resp: 4431236
Ion Ratio Lower Upper
91 100
106 51.4 25.8 77.4





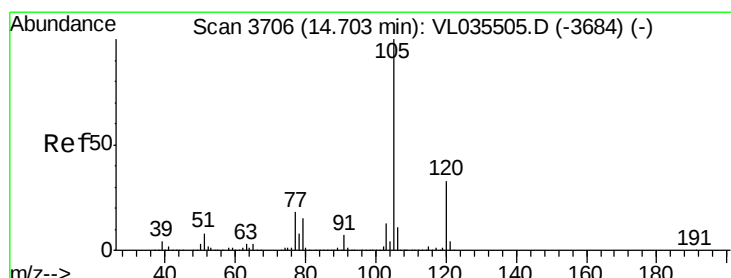
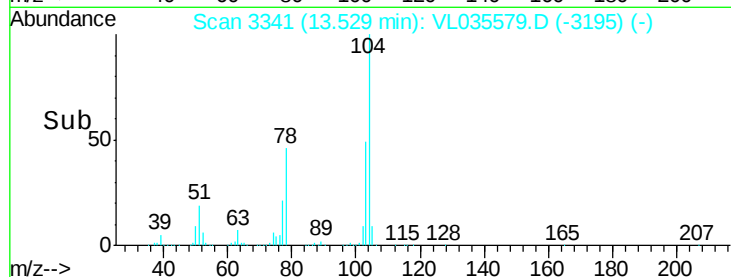
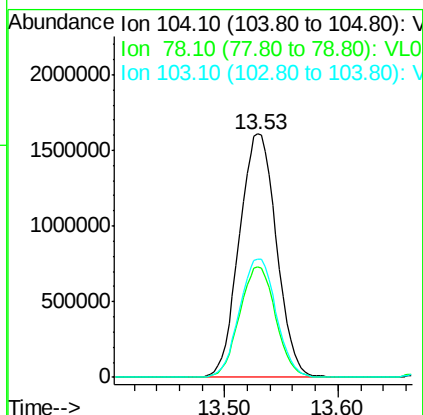
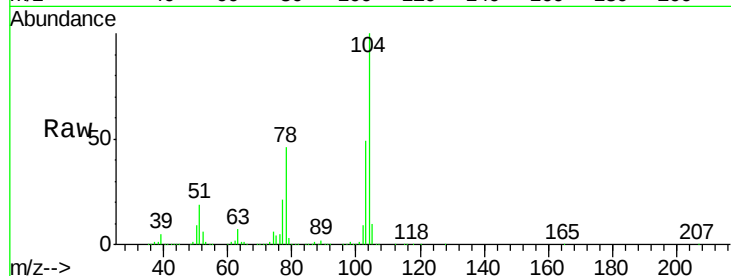
#61
Stvrene
Concen: 10.854 ppbv
RT: 13.53 min Scan# 3341
Delta R.T. -0.03 min
Lab File: VL035579.D
Acq: 9 Sep 2020 9:14

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion:104 Resp: 3676160
Ion Ratio Lower Upper
104 100
78 44.3 34.8 52.2
103 48.0 38.2 57.4

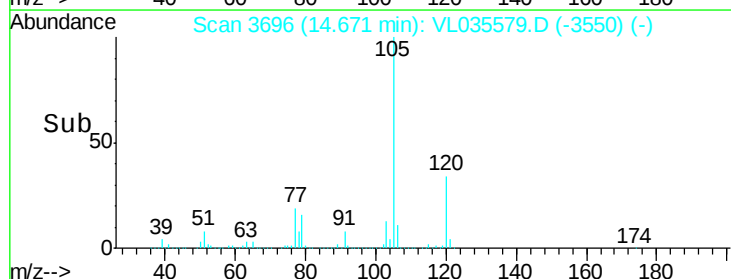
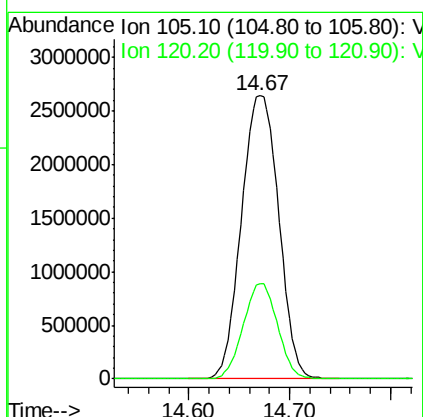
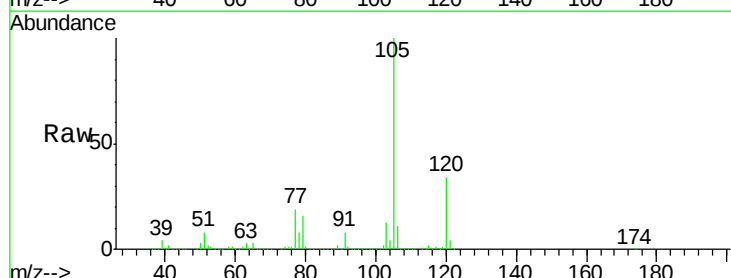
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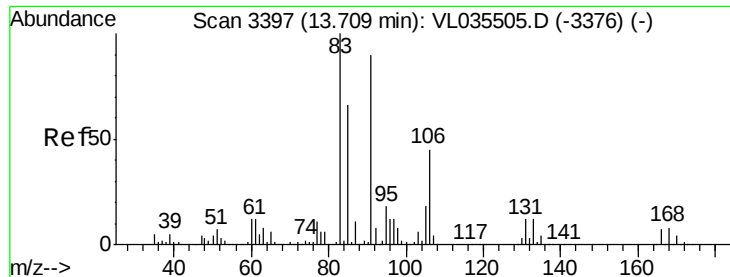
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#62
Isopropylbenzene
Concen: 9.515 ppbv
RT: 14.67 min Scan# 3696
Delta R.T. -0.03 min
Lab File: VL035579.D
Acq: 9 Sep 2020 9:14

Tgt Ion:105 Resp: 6768651
Ion Ratio Lower Upper
105 100
120 31.1 25.0 37.4





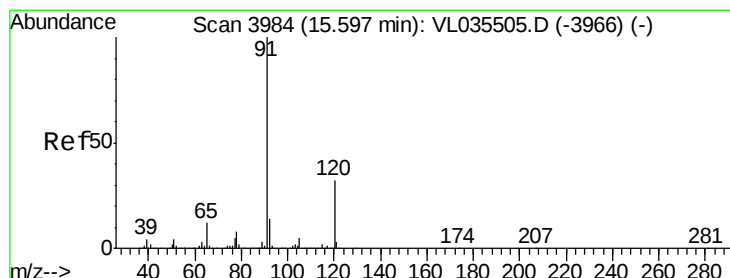
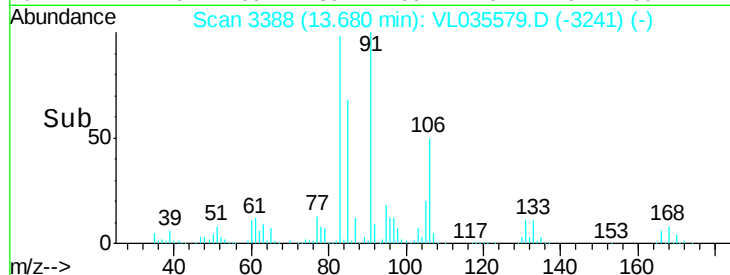
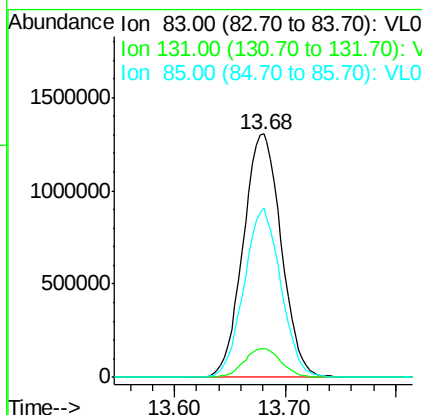
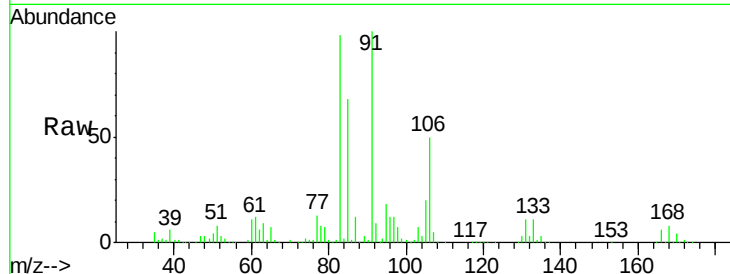
#63
 1,1,2,2-Tetrachloroethane
 Concen: 9.077 ppbv
 RT: 13.68 min Scan# 3388
 Delta R.T. -0.03 min
 Lab File: VL035579.D
 Acq: 9 Sep 2020 9:14

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion: 83 Resp: 3116514
 Ion Ratio Lower Upper
 83 100
 131 11.6 6.0 18.0
 85 67.3 33.4 100.2

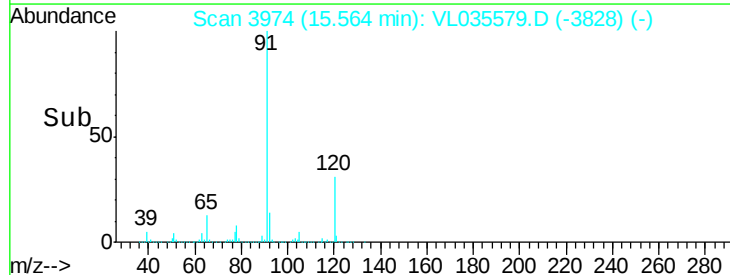
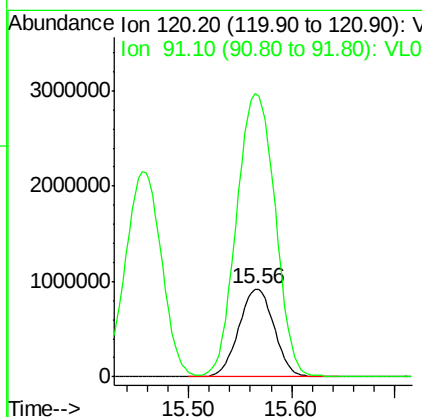
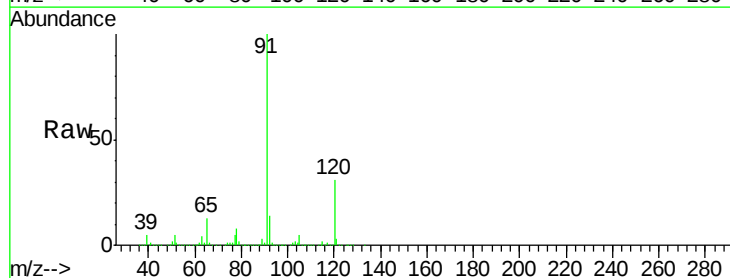
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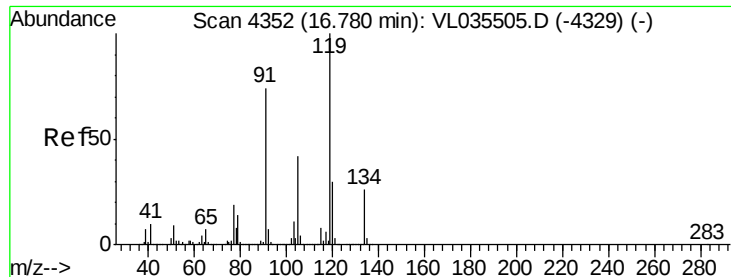
MMDadoda
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#64
 n-propylbenzene
 Concen: 10.095 ppbv
 RT: 15.56 min Scan# 3974
 Delta R.T. -0.03 min
 Lab File: VL035579.D
 Acq: 9 Sep 2020 9:14

Tgt Ion:120 Resp: 2191675
 Ion Ratio Lower Upper
 120 100
 91 353.1 279.4 419.0





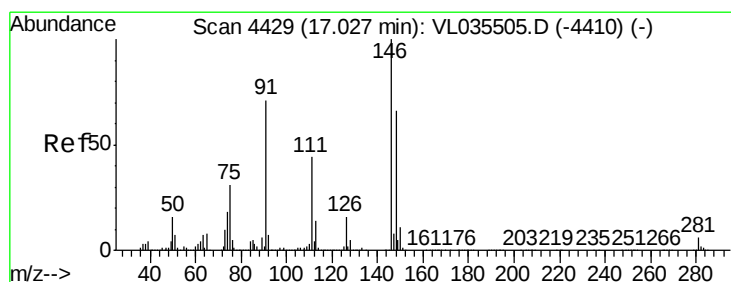
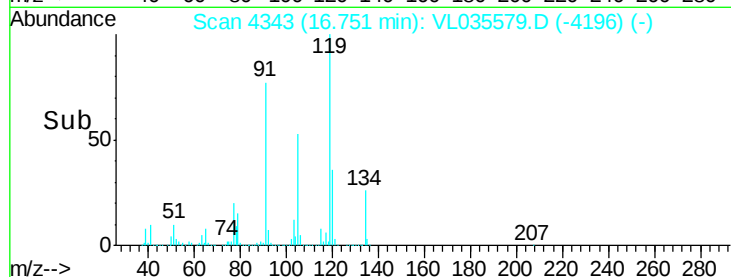
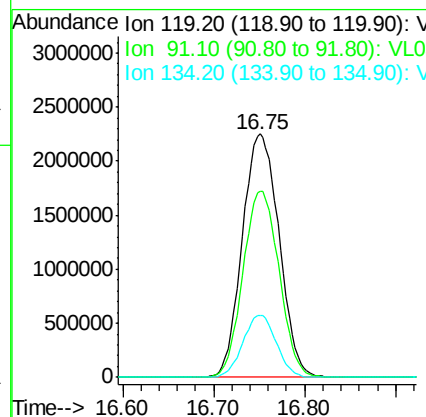
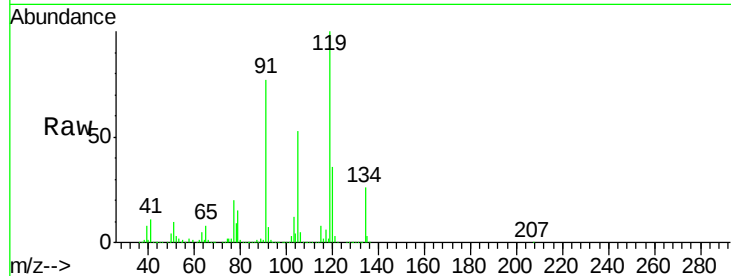
#65
tert-Butylbenzene
Concen: 9.565 ppbv
RT: 16.75 min Scan# 4343
Delta R.T. -0.03 min
Lab File: VL035579.D
Acq: 9 Sep 2020 9:14

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	75.2	58.6	87.8
134	23.3	18.9	28.3

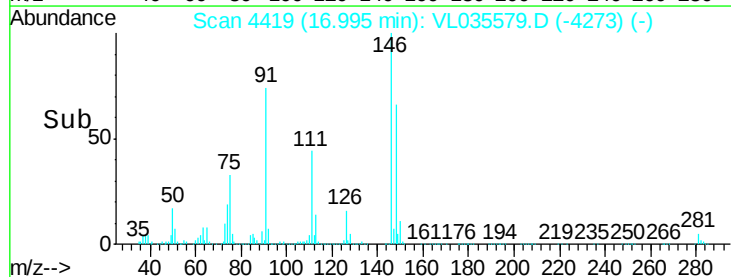
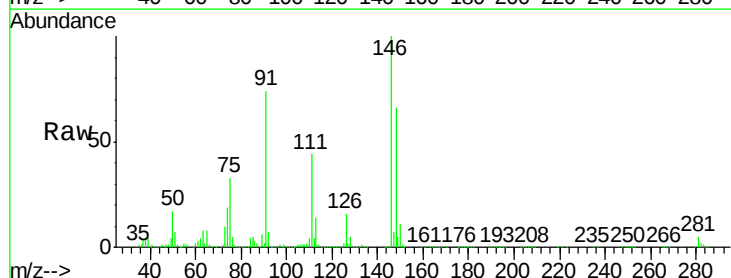
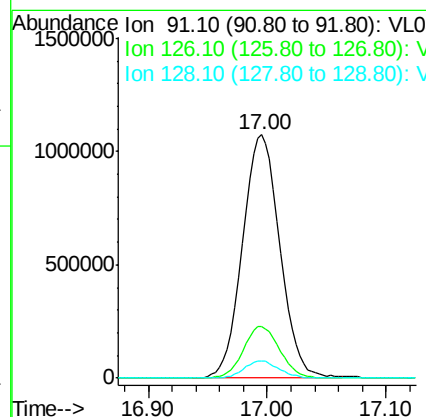
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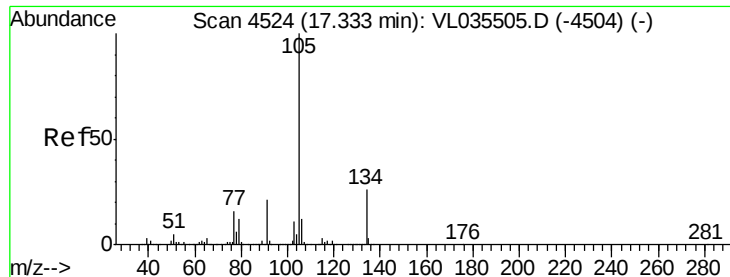
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#66
Benzyl Chloride
Concen: 14.141 ppbv
RT: 17.00 min Scan# 4419
Delta R.T. -0.03 min
Lab File: VL035579.D
Acq: 9 Sep 2020 9:14

Tgt Ion	Ratio	Lower	Upper
91	100		
126	20.8	17.2	25.8
128	6.7	5.5	8.3





#67

sec-Butylbenzene

Concen: 9.426 ppbv

RT: 17.30 min Scan# 4514

Delta R.T. -0.03 min

Lab File: VL035579.D

Acq: 9 Sep 2020 9:14

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:105 Resp: 8304640

Ion Ratio Lower Upper

105 100

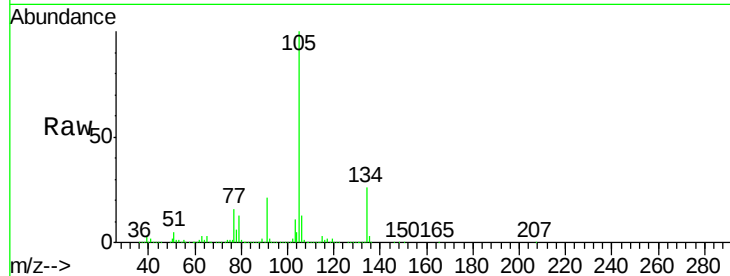
134 23.3 19.1 28.7

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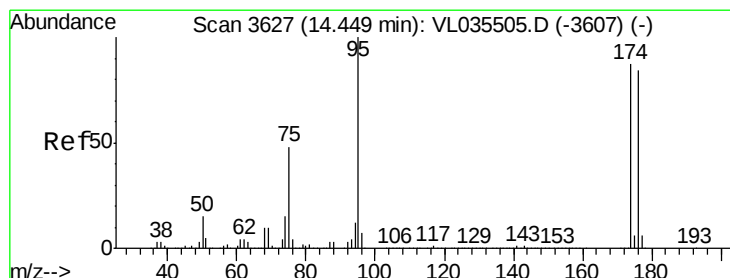
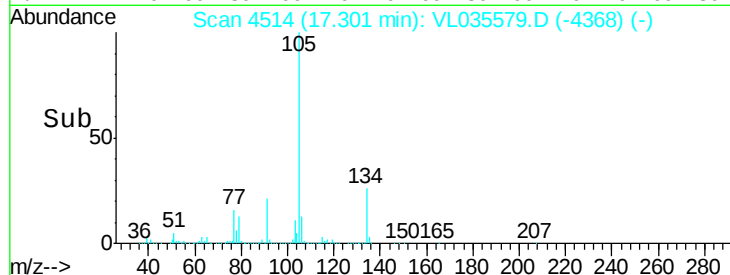
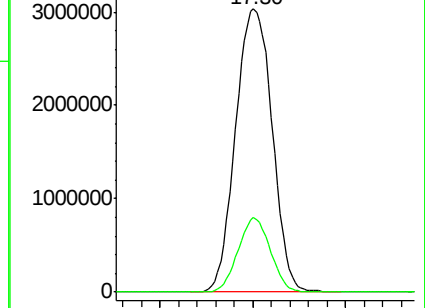
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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V



#68

1-Bromo-4-Fluorobenzene

Concen: 10.150 ppbv

RT: 14.42 min Scan# 3617

Delta R.T. -0.03 min

Lab File: VL035579.D

Acq: 9 Sep 2020 9:14

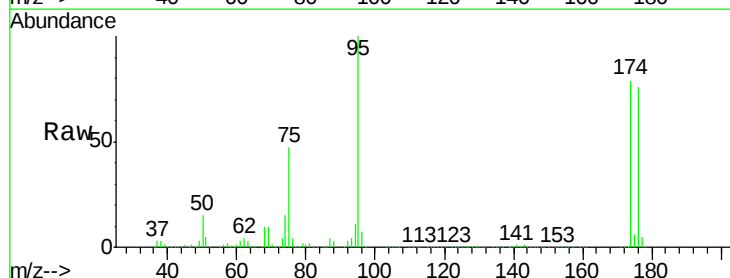
Tgt Ion: 95 Resp: 3678134

Ion Ratio Lower Upper

95 100

174 79.9 69.6 104.4

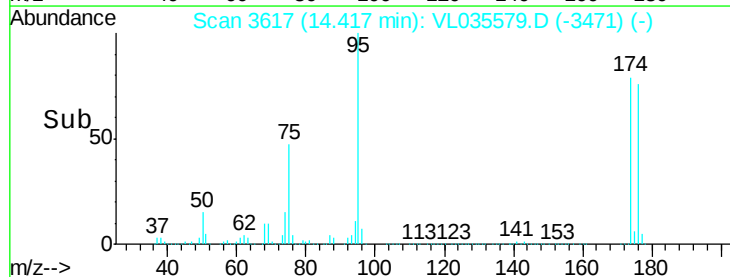
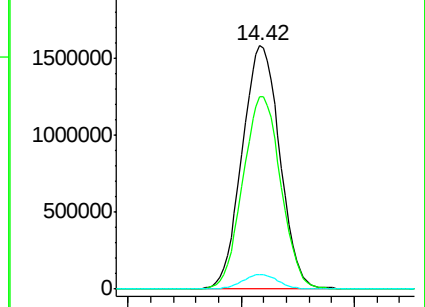
175 5.8 5.1 7.7

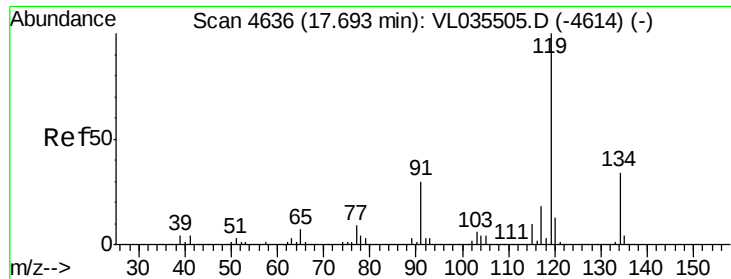


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V





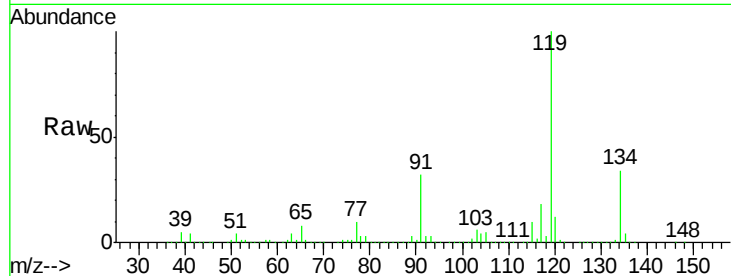
#69
 p-Isopropyltoluene
 Concen: 9.483 ppbv
 RT: 17.66 min Scan# 4625
 Delta R.T. -0.04 min
 Lab File: VL035579.D
 Acq: 9 Sep 2020 9:14

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

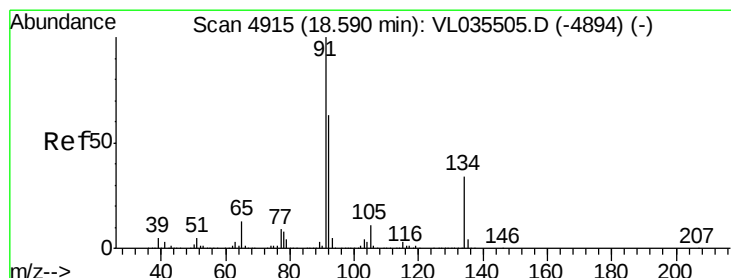
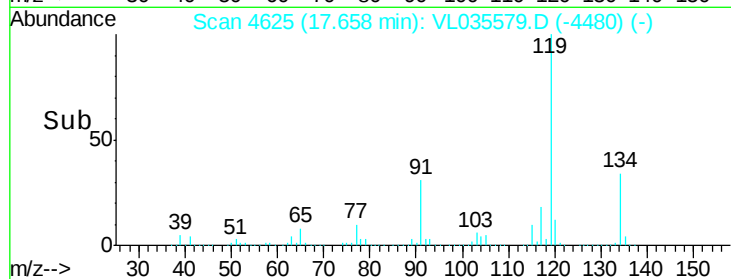
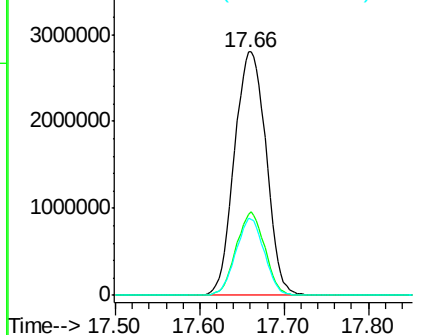
Tot Ion	Ratio	Lower	Upper
119	100		
134	31.0	25.0	37.4
91	28.4	22.3	33.5

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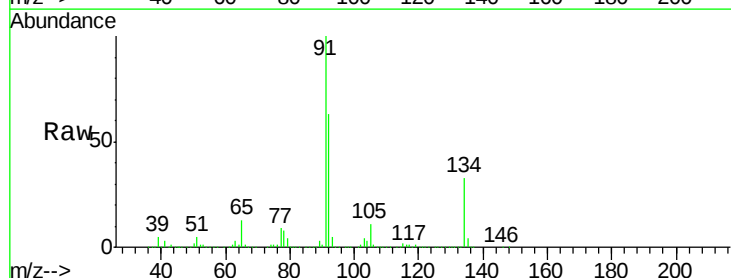


Abundance Ion 119.10 (118.80 to 119.80): V
 Ion 134.20 (133.90 to 134.90): V
 Ion 91.10 (90.80 to 91.80): V

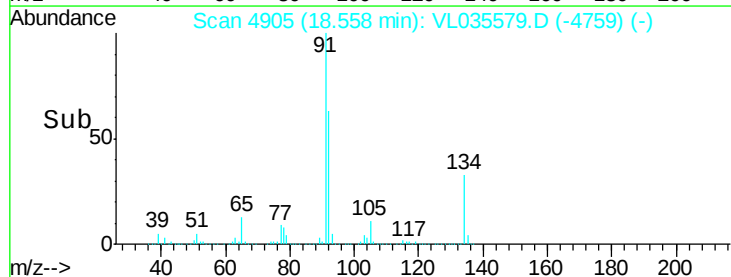
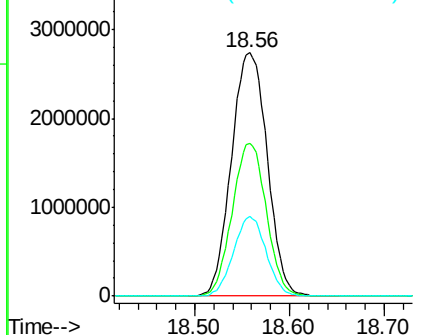


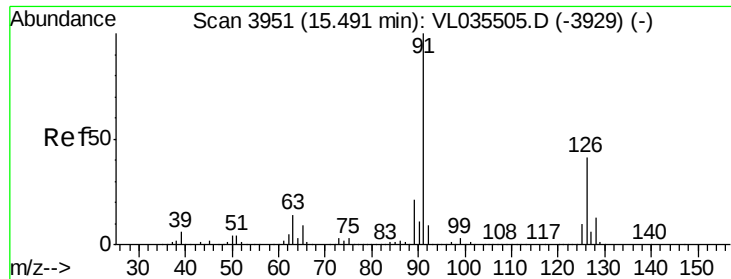
#70
 n-Butylbenzene
 Concen: 9.676 ppbv
 RT: 18.56 min Scan# 4905
 Delta R.T. -0.03 min
 Lab File: VL035579.D
 Acq: 9 Sep 2020 9:14

Tgt Ion	Ratio	Lower	Upper
91	100		
92	59.7	47.3	70.9
134	29.9	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: 10.097 ppbv

RT: 15.46 min Scan# 3940

Delta R.T. -0.04 min

Lab File: VL035579.D

Acq: 9 Sep 2020 9:14

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 91 Resp: 5230673

Ion Ratio Lower Upper

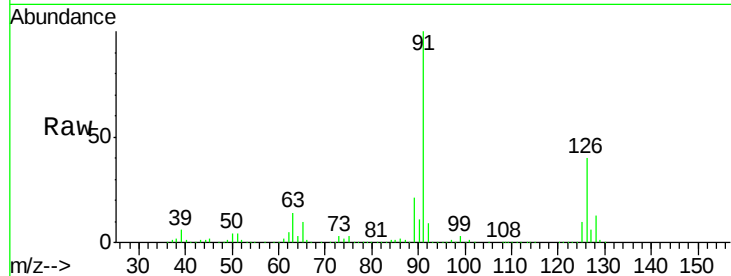
91 100

126 38.4 15.6 62.6

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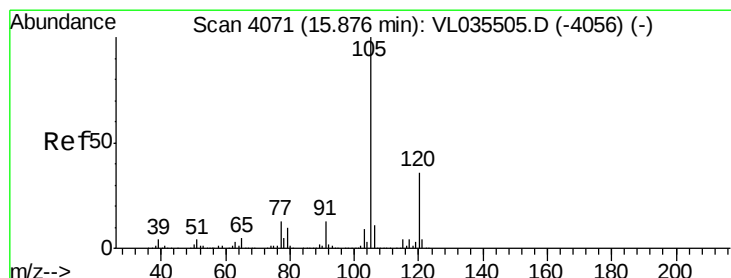
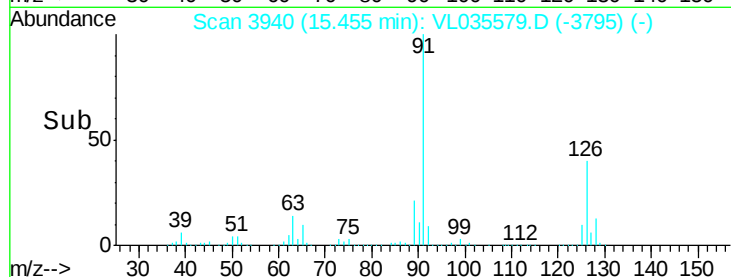
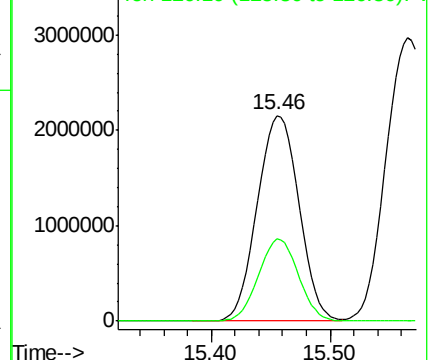
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Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V



#72

4-Ethyltoluene

Concen: 10.114 ppbv

RT: 15.84 min Scan# 4061

Delta R.T. -0.03 min

Lab File: VL035579.D

Acq: 9 Sep 2020 9:14

Tgt Ion:105 Resp: 5694407

Ion Ratio Lower Upper

105 100

120 34.0 27.4 41.2

91 12.3 9.7 14.5

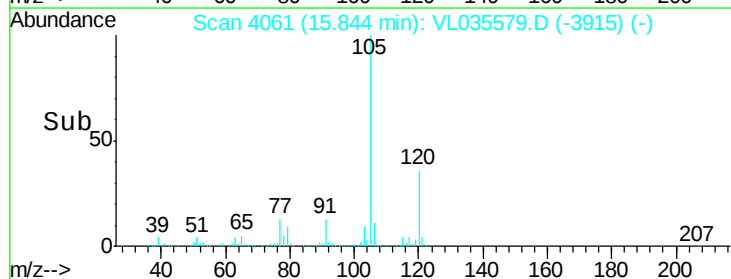
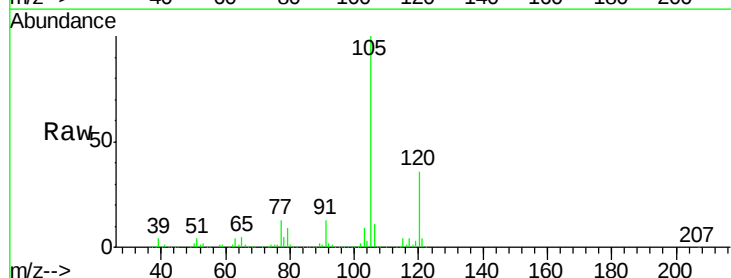
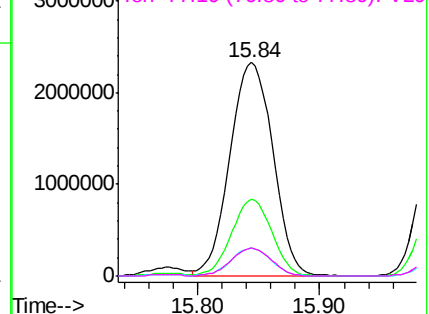
77 12.3 9.6 14.4

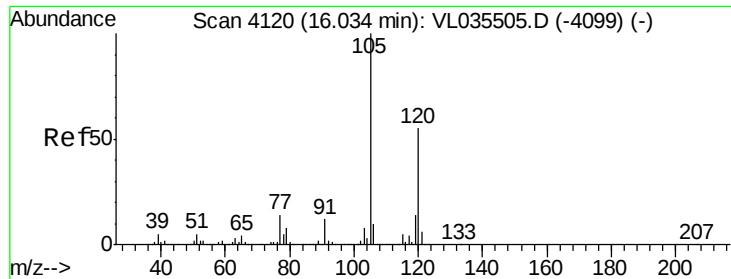
Abundance Ion 105.10 (104.80 to 105.80): V

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: 10.062 ppbv

RT: 16.00 min Scan# 4110

Delta R.T. -0.03 min

Lab File: VL035579.D

Acq: 9 Sep 2020 9:14

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:105 Resp: 5239542

Ion Ratio Lower Upper

105 100

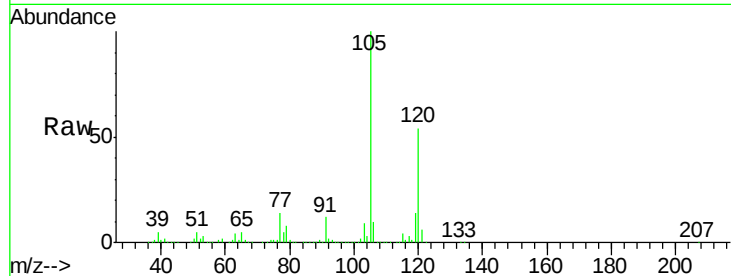
120 54.1 44.2 66.2

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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

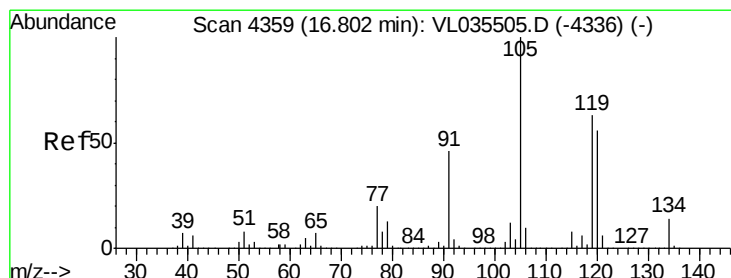
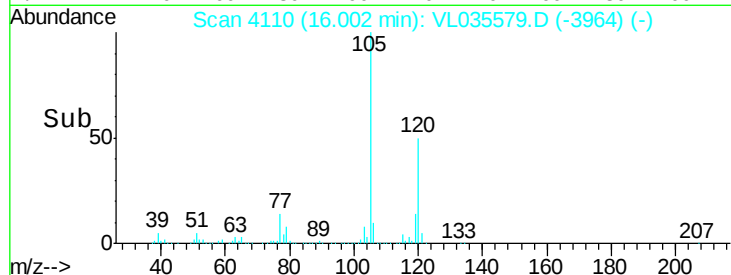
0

15.90

16.00

16.10

Time-->



#74

1,2,4-Trimethylbenzene

Concen: 9.499 ppbv

RT: 16.77 min Scan# 4349

Delta R.T. -0.03 min

Lab File: VL035579.D

Acq: 9 Sep 2020 9:14

Tgt Ion:105 Resp: 5432113

Ion Ratio Lower Upper

105 100

120 55.2 44.4 66.6

91 48.0 37.1 55.7

77 20.5 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): V

Ion 77.10 (76.80 to 77.80): V

3000000

2000000

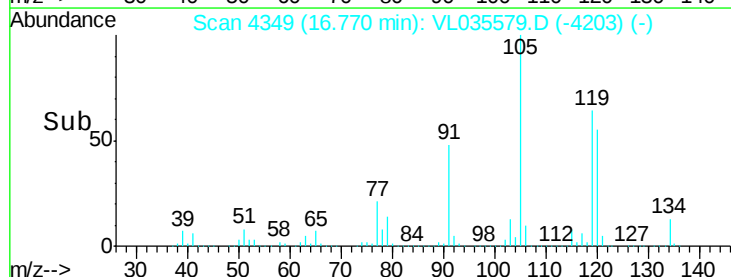
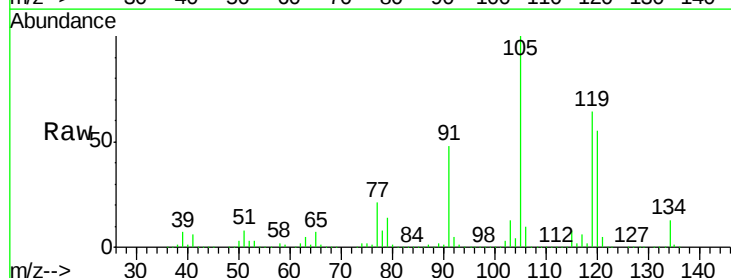
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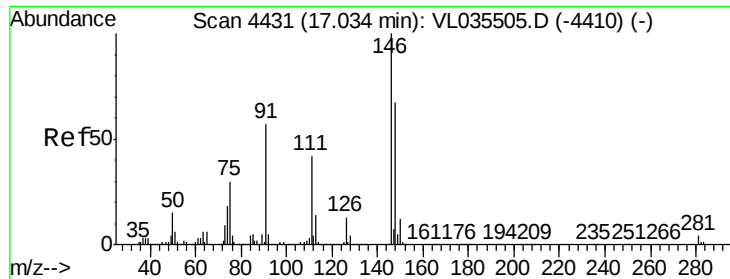
0

16.70

16.80

Time-->





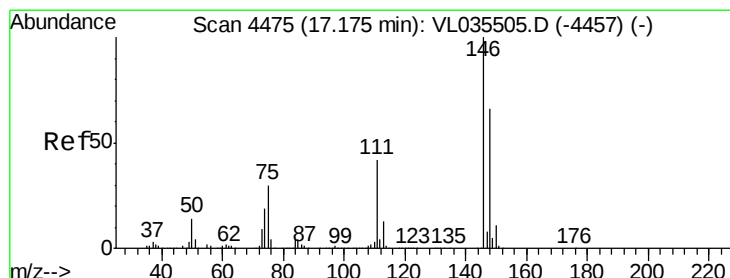
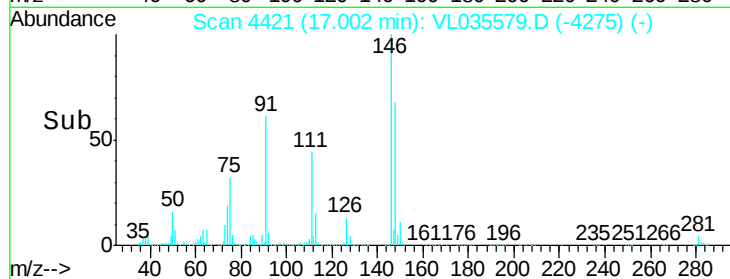
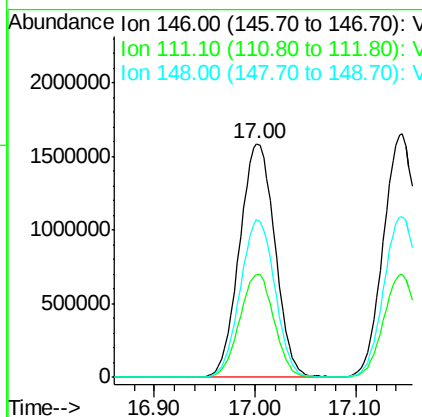
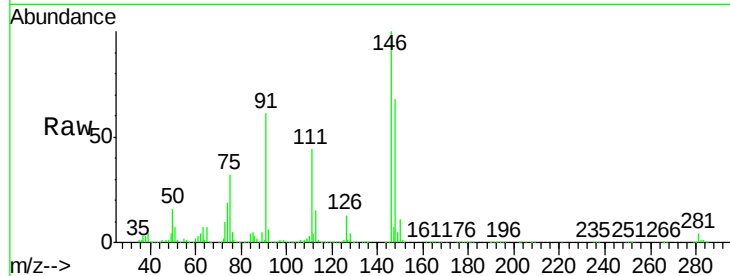
#75
 1,3-Dichlorobenzene
 Concen: 9.135 ppbv
 RT: 17.00 min Scan# 4421
 Delta R.T. -0.03 min
 Lab File: VL035579.D
 Acq: 9 Sep 2020 9:14

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.7	20.7	62.1
148	66.1	33.0	98.9

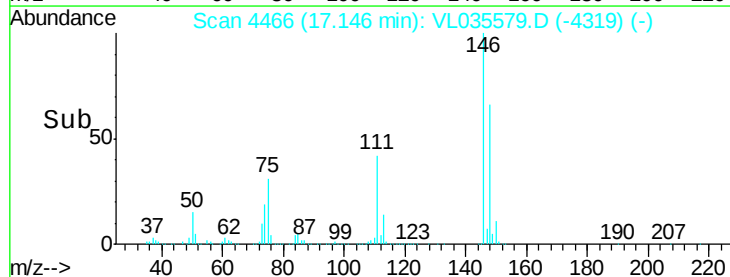
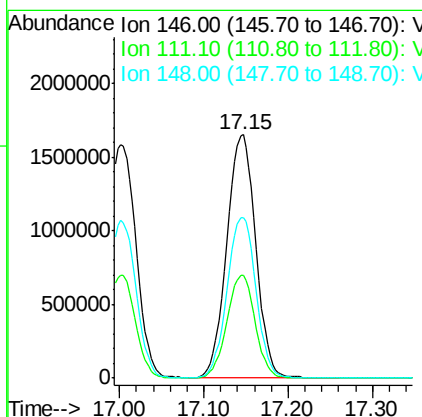
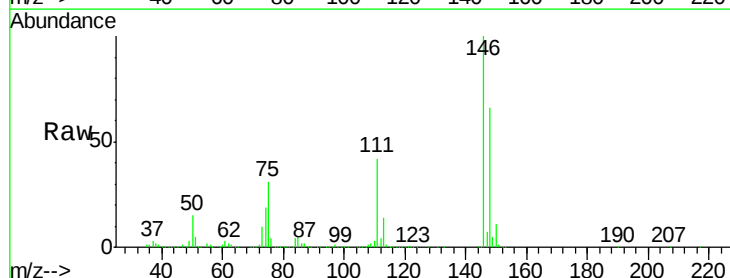
Manual Integrations
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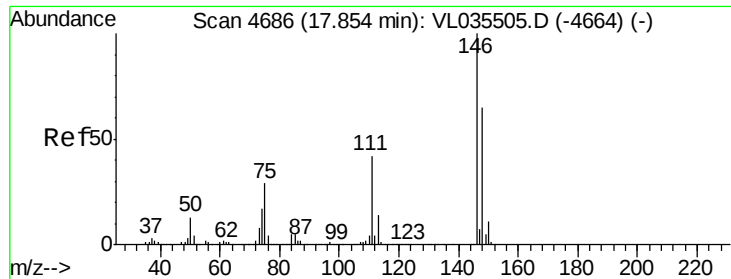
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#76
 1,4-Dichlorobenzene
 Concen: 9.448 ppbv
 RT: 17.15 min Scan# 4466
 Delta R.T. -0.03 min
 Lab File: VL035579.D
 Acq: 9 Sep 2020 9:14

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.2	20.0	60.0
148	66.1	33.2	99.6





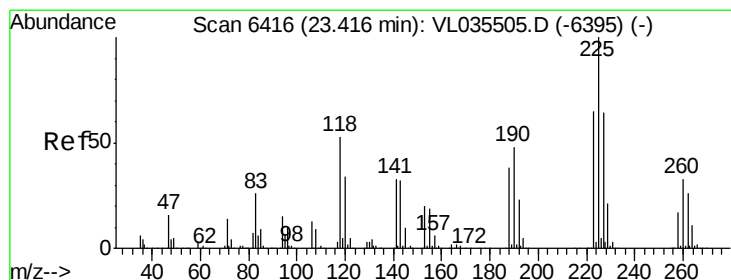
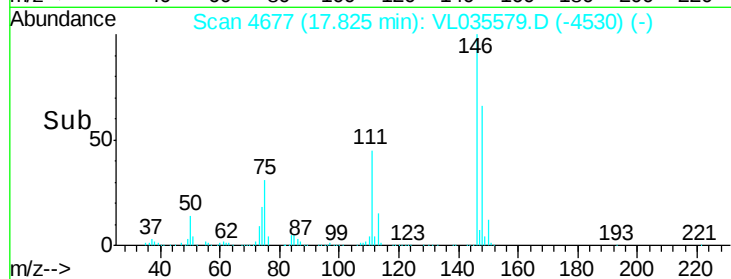
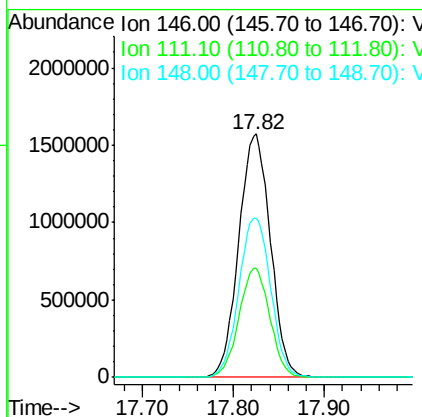
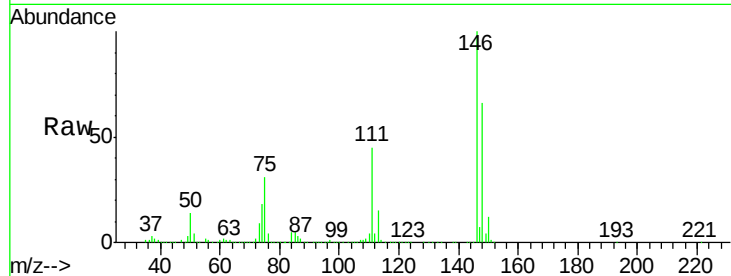
#77
 1,2-Dichlorobenzene
 Concen: 9.249 ppbv
 RT: 17.82 min Scan# 4677
 Delta R.T. -0.03 min
 Lab File: VL035579.D
 Acq: 9 Sep 2020 9:14

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.8	21.1	63.3
148	66.0	32.9	98.7

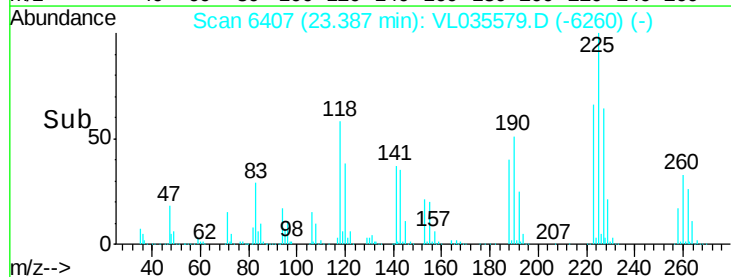
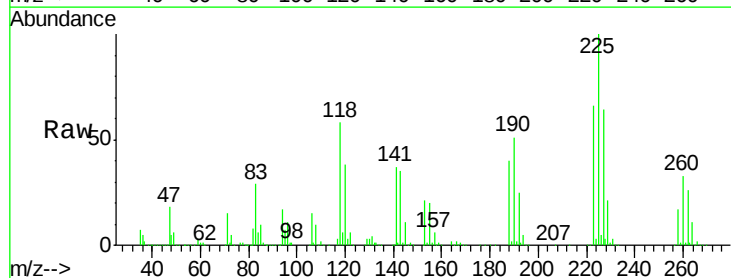
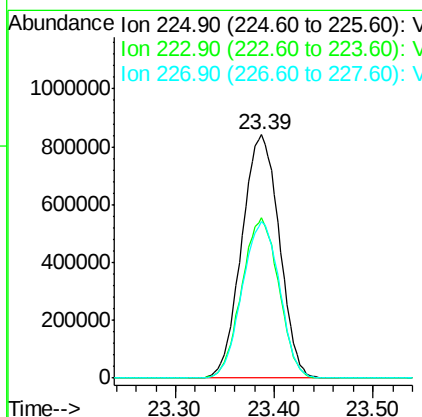
Manual Integrations
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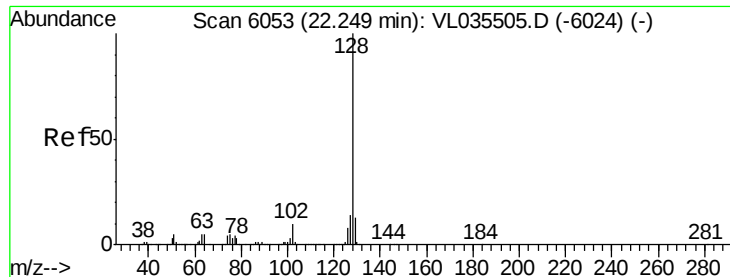
MMDadoda
 9/10/2020 10:45:56 AM



#78
 Hexachloro-1,3-Butadiene
 Concen: 8.441 ppbv
 RT: 23.39 min Scan# 6407
 Delta R.T. -0.03 min
 Lab File: VL035579.D
 Acq: 9 Sep 2020 9:14

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.8	51.7	77.5
227	64.1	51.5	77.3





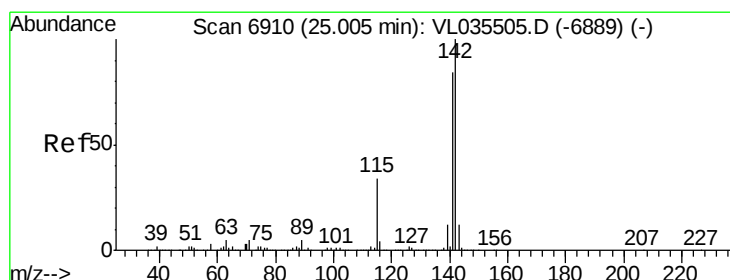
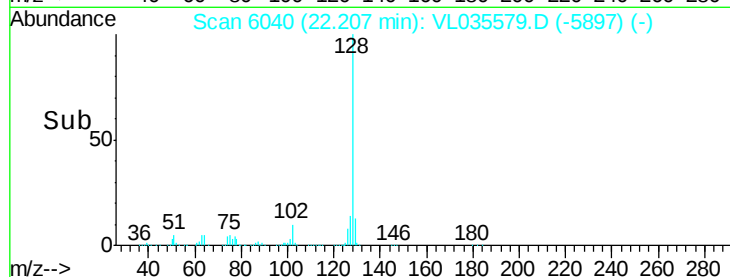
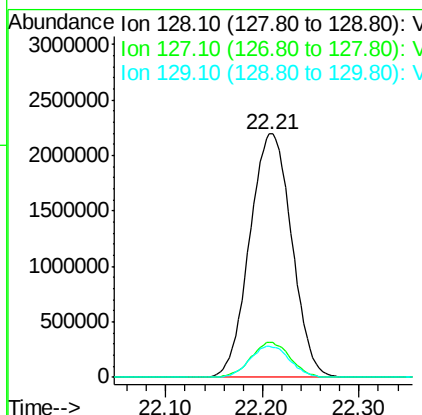
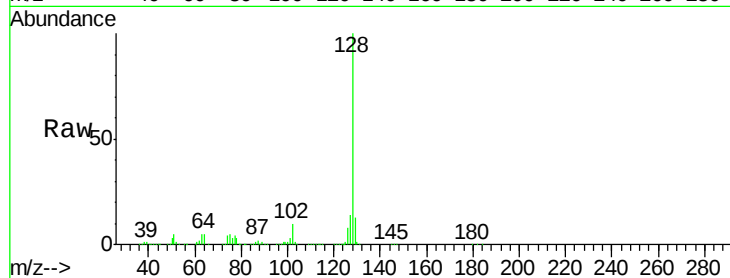
#79
Naphthalene
Concen: 10.449 ppbv
RT: 22.21 min Scan# 6040
Delta R.T. -0.04 min
Lab File: VL035579.D
Acq: 9 Sep 2020 9:14

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	14.3	11.4	17.2
129	12.9	10.5	15.7

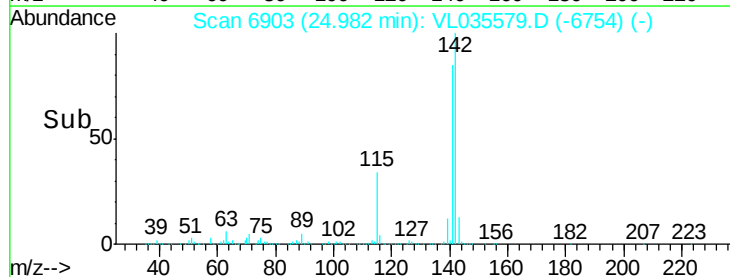
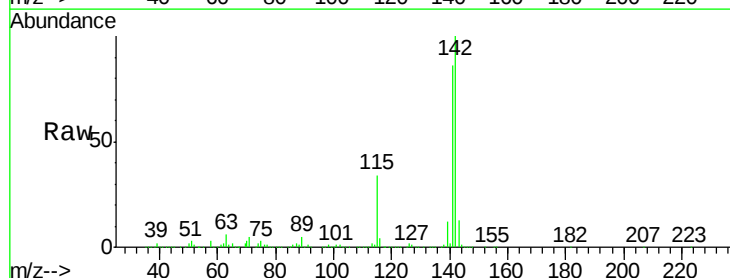
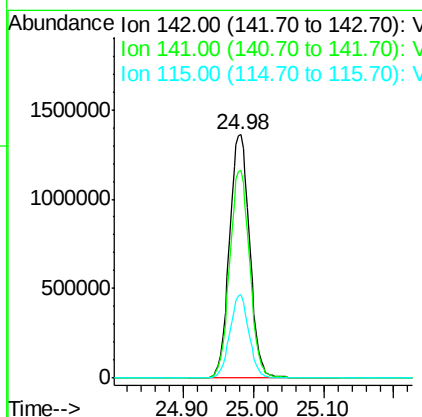
Manual Integrations
APPROVED

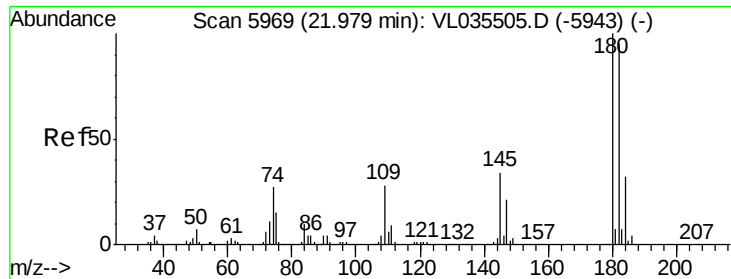
MMDadoda
9/10/2020 10:45:56 AM



#80
Naphthalene, 2-methyl-
Concen: 12.612 ppbv
RT: 24.98 min Scan# 6903
Delta R.T. -0.02 min
Lab File: VL035579.D
Acq: 9 Sep 2020 9:14

Tgt Ion	Ratio	Lower	Upper
142	100		
141	84.7	67.6	101.4
115	32.4	25.8	38.8





#81
 1,2,4-Trichlorobenzene
 Concen: 9.452 ppbv
 RT: 21.94 min Scan# 5956
 Delta R.T. -0.04 min
 Lab File: VL035579.D
 Acq: 9 Sep 2020 9:14

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot 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 10:45:56 AM

