

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL110520\
 Data File : VL035890.D
 Acq On : 6 Nov 2020 16:03
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleID :
 VSTDCCC010EC

Manual Integrations
 APPROVED

MMDadoda
 11/9/2020 10:48:36 AM

Quant Time: Nov 07 00:06:29 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL110320AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Nov 07
 QLast Update : Wed Nov 04 02:40:06 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	959135	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.16	114	3721372	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.07	117	3704008m	10.00	ppbv	-0.02

System Monitoring Compounds		R.T.	QIon	Response	Conc	Units	Dev(Min)
68) 1-Bromo-4-Fluorobenzene	14.41	95	2591327	9.85	ppbv	-0.02	
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.50%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.03	85	2006215	11.110	ppbv	100
3) Chlorodifluoromethane	2.97	51	1285104	11.189	ppbv	99
4) Chloromethane	3.12	50	652576	11.695	ppbv	100
5) Vinyl Chloride	3.24	62	823058	11.571	ppbv	99
6) Bromomethane	3.46	94	666942	11.659	ppbv	100
7) Chloroethane	3.54	64	300808	12.016	ppbv	97
8) Dichlorotetrafluoroethane	3.17	85	2357674	11.408	ppbv	99
9) Propene	2.99	41	505039	12.013	ppbv	99
10) Heptane	8.11	43	1456017	12.539	ppbv #	70
11) Trichlorofluoromethane	3.93	101	2816671	12.422	ppbv	100
12) 1,1,2-Trichlorotrifluoroet	4.47	101	2083883	12.344	ppbv	99
13) Ethanol	3.59	45	84349	9.248	ppbv	97
14) Bromoethene	3.72	108	877159	11.290	ppbv	99
15) Acetone	3.84	43	527394	5.143	ppbv	99
16) 1,3-Butadiene	3.31	39	585090	13.253	ppbv	87
17) tert-Butyl alcohol	4.28	59	459471	3.381	ppbv	98
18) 1,1-Dichloroethene	4.27	96	942699	12.162	ppbv	96
19) Isopropyl Alcohol	3.95	45	283738	4.503	ppbv #	96
20) Methylene Chloride	4.33	84	778409	10.784	ppbv	98
21) Allyl Chloride	4.39	41	652134	11.760	ppbv	97
22) trans-1,2-Dichloroethene	4.87	96	958400	12.197	ppbv	98
23) Vinyl Acetate	5.06	43	1520505	10.579	ppbv	100
24) 1,1-Dichloroethane	5.00	63	1606838	11.734	ppbv	99
25) Ethyl Acetate	5.66	43	1711290	8.472	ppbv #	95
26) Hexane	5.67	57	1297917	11.650	ppbv #	77
27) Carbon Disulfide	4.53	76	1986322	11.899	ppbv	100
28) Methyl tert-Butyl Ether	5.02	73	1559379	7.795	ppbv	100
29) Chloroform	5.74	83	2549478	11.643	ppbv	99
30) Cyclohexane	7.12	84	1370663	11.296	ppbv	99
31) cis-1,2-Dichloroethene	5.54	61	1356310	11.835	ppbv	98
32) 1,1,1-Trichloroethane	6.50	97	2510967	10.989	ppbv	99
34) 2-Butanone	5.23	43	568240	4.705	ppbv	98
35) Carbon Tetrachloride	7.01	117	2552170	12.836	ppbv	97
36) Benzene	6.88	78	3191147	11.535	ppbv	99
37) 1,2-Dichloroethane	6.29	62	1575632	12.571	ppbv	99
38) Trichloroethene	7.82	130	1487242	11.006	ppbv	98
39) 1,2-Dichloropropane	7.60	63	1095059	11.757	ppbv	98
40) 1,4-Dioxane	7.84	88	113014m	2.560	ppbv	
41) Tetrahydrofuran	6.04	42	201238	2.933	ppbv	95
42) Bromodichloromethane	7.78	83	2632495	12.448	ppbv	98
43) Methyl Methacrylate	8.00	69	762794	7.228	ppbv	97

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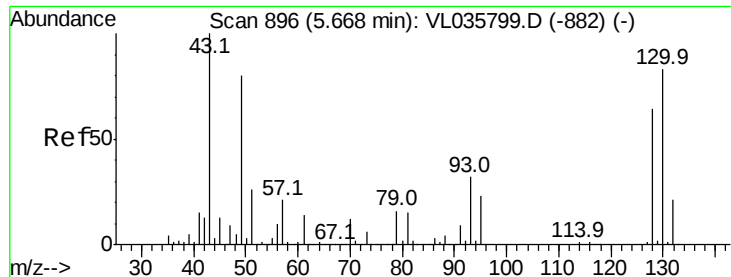
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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL110320AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Nov 0
 QLast Update : Wed Nov 04 02:40:06 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.86	57	4320752	11.802	ppbv	97
45) t-1,3-Dichloropropene	9.27	75	1151120	10.290	ppbv	97
46) cis-1,3-Dichloropropene	8.69	75	1506310	10.632	ppbv	99
47) 1,1,2-Trichloroethane	9.46	97	1408303	11.096	ppbv	99
48) Dibromochloromethane	10.29	129	2284531	11.782	ppbv	100
49) Bromoform	13.03	173	1683590	10.290	ppbv	100
50) 4-Methyl-2-Pentanone	8.74	43	729324	3.949	ppbv	97
51) 2-Hexanone	10.13	43	287271	1.936	ppbv #	95
52) Tetrachloroethene	11.21	164	1412380	10.776	ppbv	100
53) Toluene	9.79	91	3894465	11.666	ppbv	99
54) 1,2-Dibromoethane	10.60	107	2000903	10.367	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.12	131	1589448	9.561	ppbv	97
57) Chlorobenzene	12.14	112	2999895	10.186	ppbv	99
58) Ethyl Benzene	12.70	91	4723580	10.471	ppbv	100
59) m/p-Xylene	12.99	91	7954428m	20.841	ppbv	
60) o-Xylene	13.68	91	3795366	10.222	ppbv	99
61) Styrene	13.52	104	1640907	6.032	ppbv	99
62) Isopropylbenzene	14.66	105	5041605	8.639	ppbv	98
63) 1,1,2,2-Tetrachloroethane	13.67	83	2543808	8.842	ppbv	99
64) n-propylbenzene	15.55	120	1404204	8.325	ppbv	91
65) tert-Butylbenzene	16.74	119	4519569	8.509	ppbv	99
66) Benzyl Chloride	16.98	91	590062	3.361	ppbv	97
67) sec-Butylbenzene	17.29	105	6064207	8.472	ppbv	98
69) p-Isopropyltoluene	17.64	119	5154835	8.727	ppbv	99
70) n-Butylbenzene	18.54	91	5180082	9.106	ppbv	99
71) 2-Chlorotoluene	15.45	91	3782009	8.860	ppbv	98
72) 4-Ethyltoluene	15.83	105	4472598	9.932	ppbv	99
73) 1,3,5-Trimethylbenzene	15.99	105	3980028	9.658	ppbv	98
74) 1,2,4-Trimethylbenzene	16.75	105	4187044	9.482	ppbv	100
75) 1,3-Dichlorobenzene	16.99	146	2763273	9.828	ppbv	100
76) 1,4-Dichlorobenzene	17.13	146	2725416	10.049	ppbv	99
77) 1,2-Dichlorobenzene	17.81	146	2587268	9.440	ppbv	99
78) Hexachloro-1,3-Butadiene	23.37	225	1914058	14.967	ppbv	99
79) Naphthalene	22.19	128	4737242	15.390	ppbv	99
80) Naphthalene, 2-methyl-	24.97	142	1395031	27.810	ppbv	99
81) 1,2,4-Trichlorobenzene	21.92	180	2559685	14.884	ppbv	99

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 891

Delta R.T. -0.02 min

Lab File: VL035890.D

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VSTDCCC010EC

Tot Ion: 49 Resp: 959135

Ion Ratio Lower Upper

49 100

128 82.7 41.5 124.6

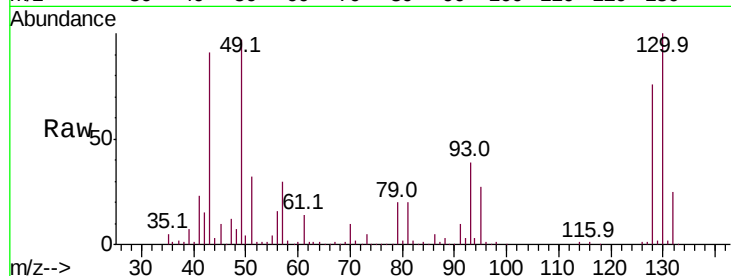
130 105.3 53.7 161.1

Manual Integrations

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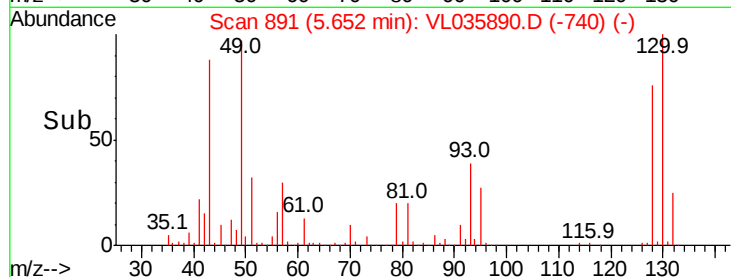
Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

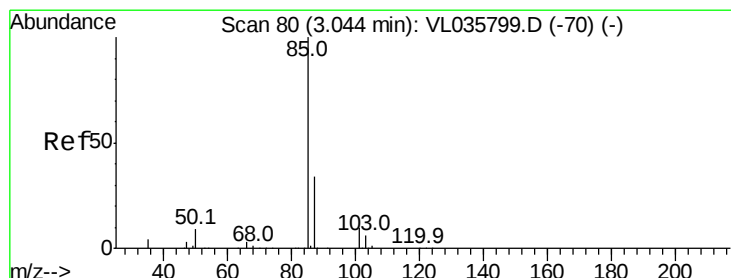
Ion 130.00 (129.70 to 130.70): V

5.65

Time-->



Time-->



#2

Dichlorodifluoromethane

Concen: 11.110 ppbv

RT: 3.03 min Scan# 76

Delta R.T. -0.01 min

Lab File: VL035890.D

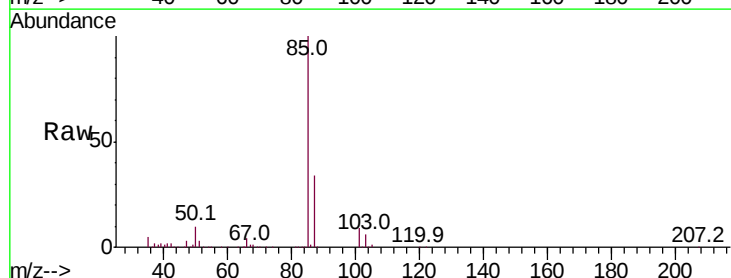
Acq: 6 Nov 2020 16:03

Tgt Ion: 85 Resp: 2006215

Ion Ratio Lower Upper

85 100

87 33.9 27.1 40.7

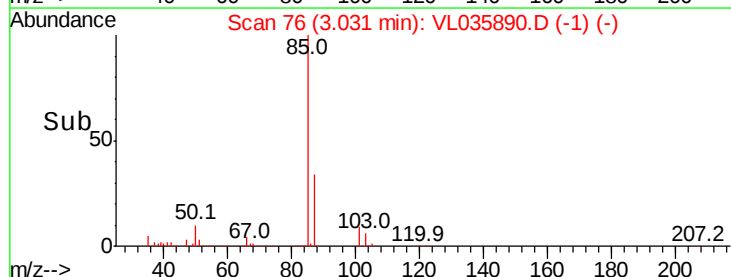


Abundance Ion 85.00 (84.70 to 85.70): VL0

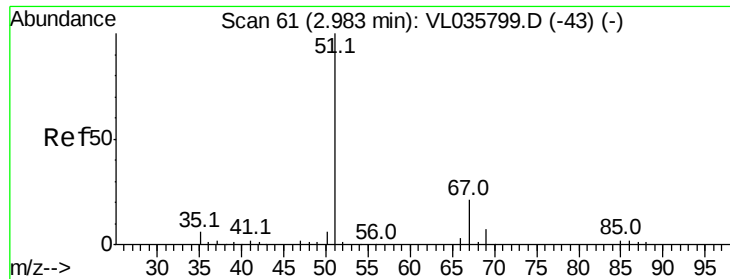
Ion 87.00 (86.70 to 87.70): VL0

3.03

Time-->



Time-->



#3

Chlorodifluoromethane

Concen: 11.189 ppbv

RT: 2.97 min Scan# 58

Delta R.T. -0.01 min

Lab File: VL035890.D

Acq: 6 Nov 2020 16:03

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 51 Resp: 1285104

Ion Ratio Lower Upper

51 100

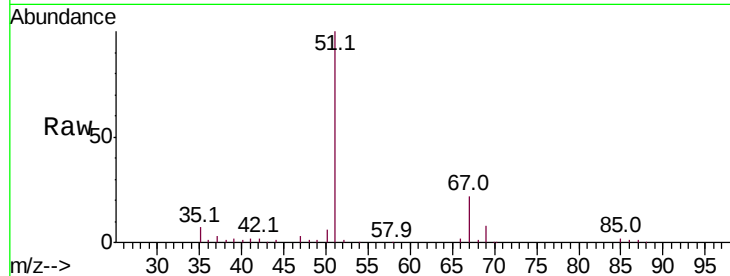
67 21.7 17.0 25.4

Manual Integrations

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Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0

800000

600000

400000

200000

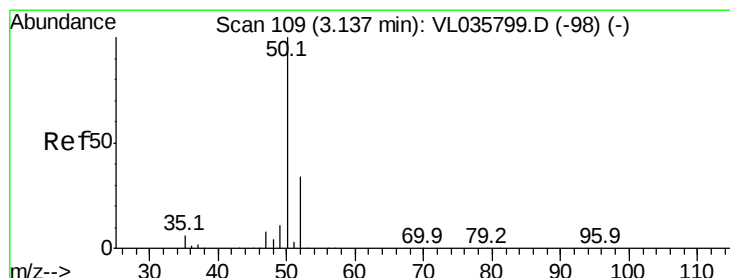
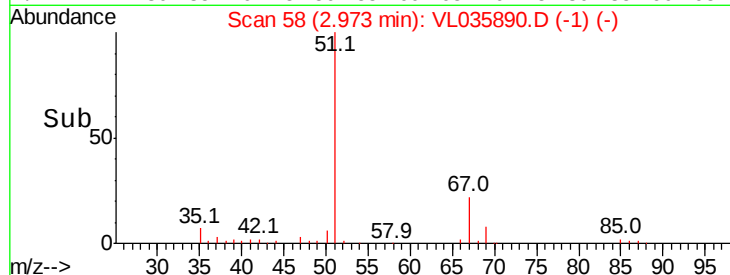
0

2.90

3.00

3.10

Time-->



#4

Chloromethane

Concen: 11.695 ppbv

RT: 3.12 min Scan# 105

Delta R.T. -0.01 min

Lab File: VL035890.D

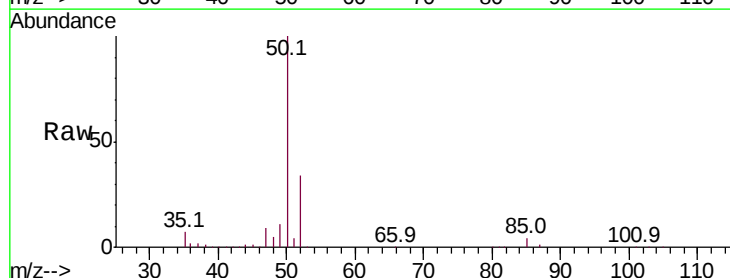
Acq: 6 Nov 2020 16:03

Tgt Ion: 50 Resp: 652576

Ion Ratio Lower Upper

50 100

52 33.9 27.1 40.7



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0

400000

300000

200000

100000

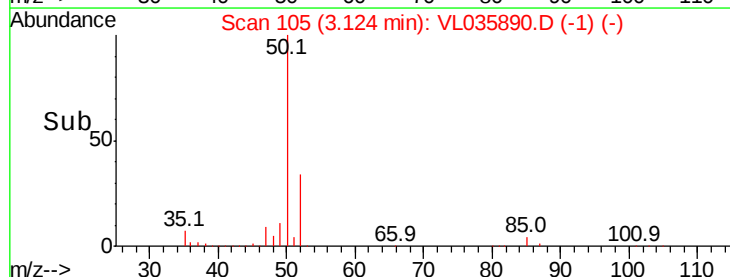
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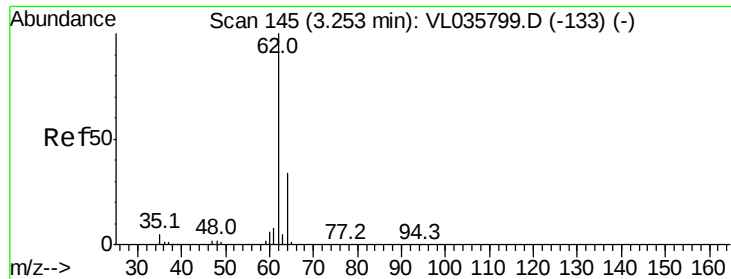
3.10

3.12

3.15

Time-->





#5

Vinyl Chloride

Concen: 11.571 ppbv

RT: 3.24 min Scan# 141

Delta R.T. -0.01 min

Lab File: VL035890.D

Acq: 6 Nov 2020 16:03

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 62 Resp: 823058

Ion Ratio Lower Upper

62 100

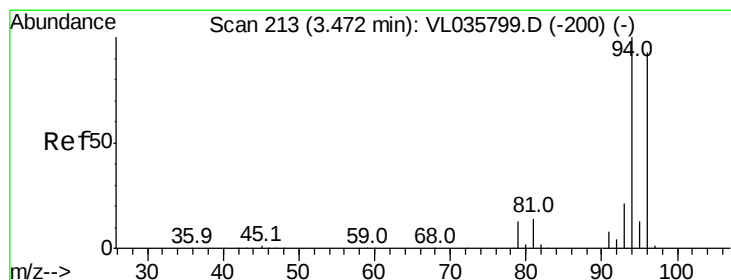
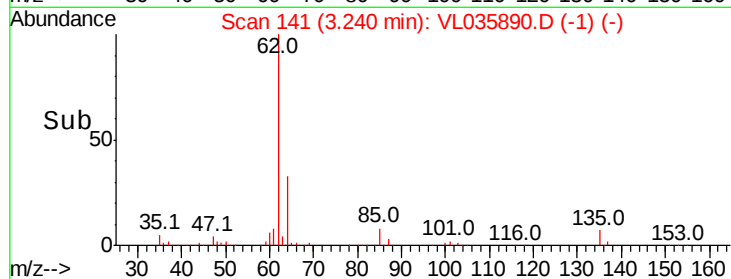
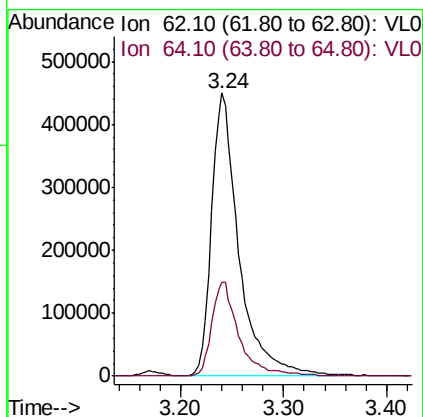
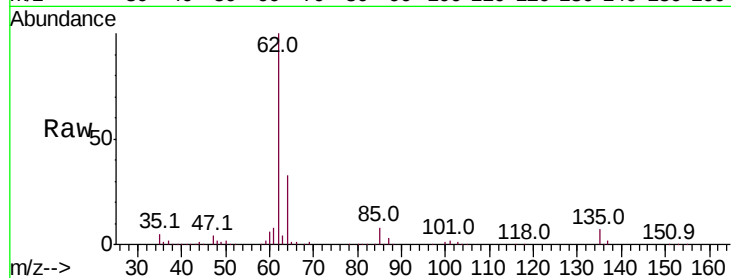
64 33.3 26.9 40.3

Manual Integrations

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#6

Bromomethane

Concen: 11.659 ppbv

RT: 3.46 min Scan# 209

Delta R.T. -0.01 min

Lab File: VL035890.D

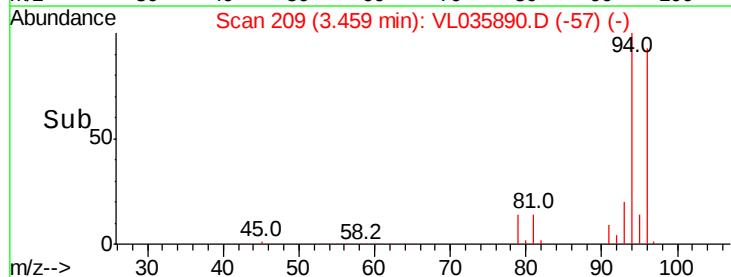
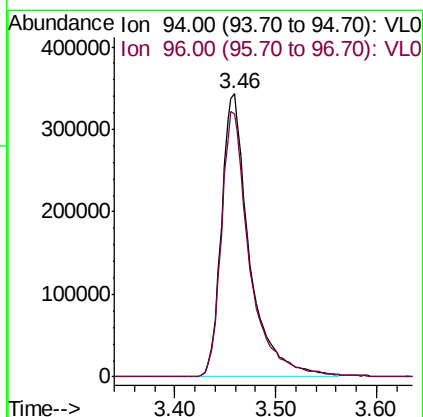
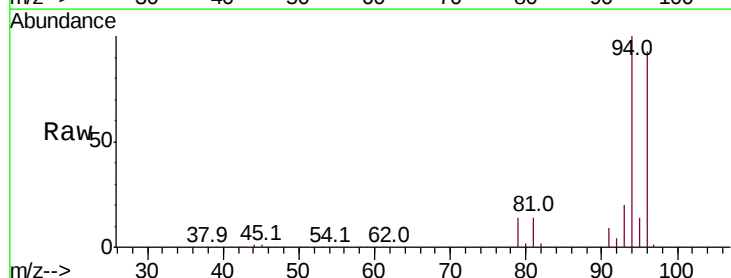
Acq: 6 Nov 2020 16:03

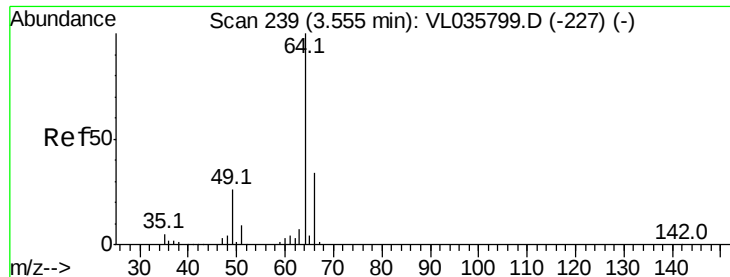
Tgt Ion: 94 Resp: 666942

Ion Ratio Lower Upper

94 100

96 92.9 74.6 111.8





#7

Chloroethane

Concen: 12.016 ppbv

RT: 3.54 min Scan# 235

Delta R.T. -0.01 min

Lab File: VL035890.D

Acq: 6 Nov 2020 16:03

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 64 Resp: 300808

Ion Ratio Lower Upper

64 100

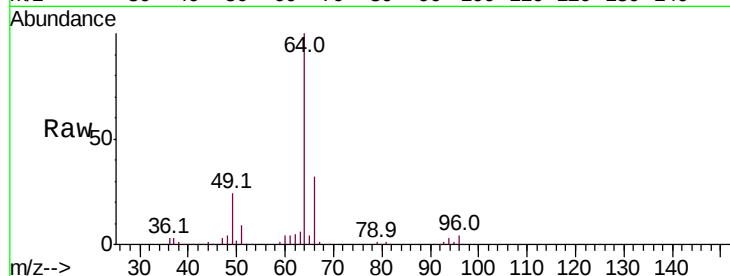
66 32.3 27.0 40.6

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

3.54

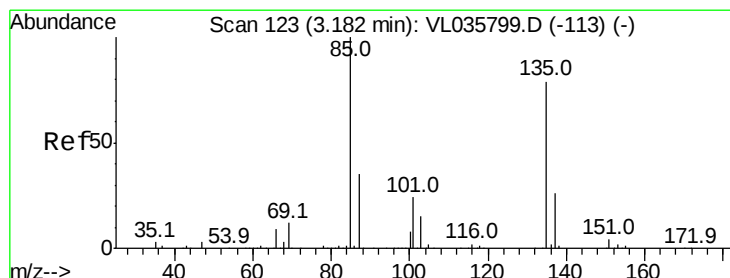
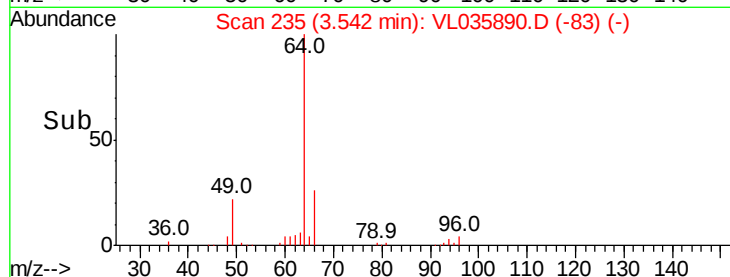
150000

100000

50000

0

Time-->



#8

Dichlorotetrafluoroethane

Concen: 11.408 ppbv

RT: 3.17 min Scan# 119

Delta R.T. -0.01 min

Lab File: VL035890.D

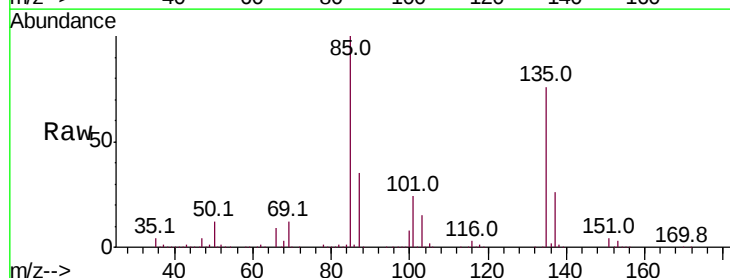
Acq: 6 Nov 2020 16:03

Tgt Ion: 85 Resp: 2357674

Ion Ratio Lower Upper

85 100

135 80.1 64.6 96.8



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V

3.17

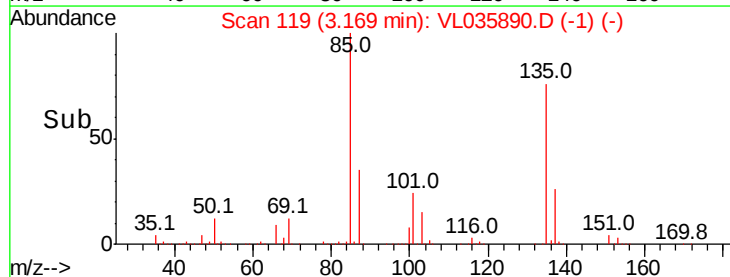
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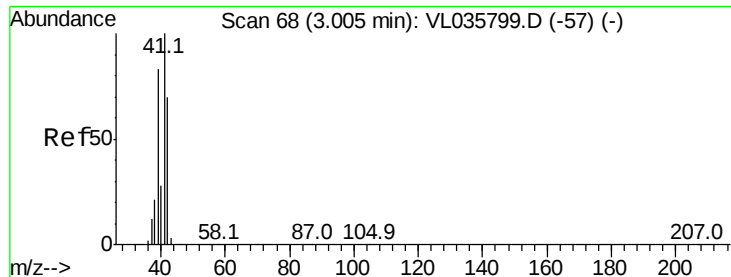
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500000

0

Time-->





#9

Propene

Concen: 12.013 ppbv

RT: 2.99 min Scan# 64

Delta R.T. -0.01 min

Lab File: VL035890.D

Acq: 6 Nov 2020 16:03

Instrument :

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ClientSampleId :

VSTDCCC010EC

Tot Ion: 41 Resp: 505039

Ion Ratio Lower Upper

41 100

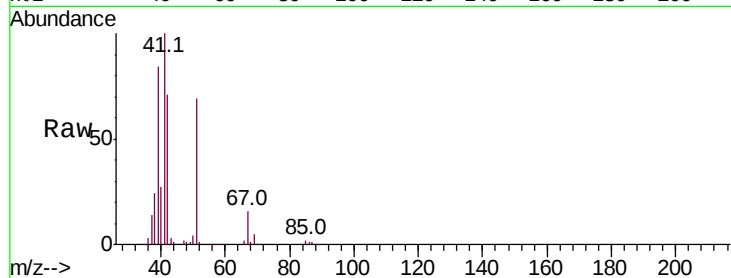
42 69.4 56.2 84.4

Manual Integrations

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11/9/2020 10:48:36 AM



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

2.99

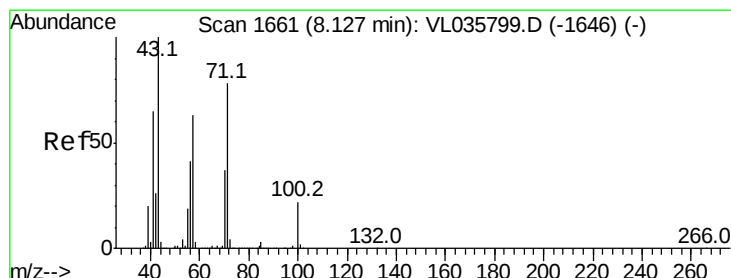
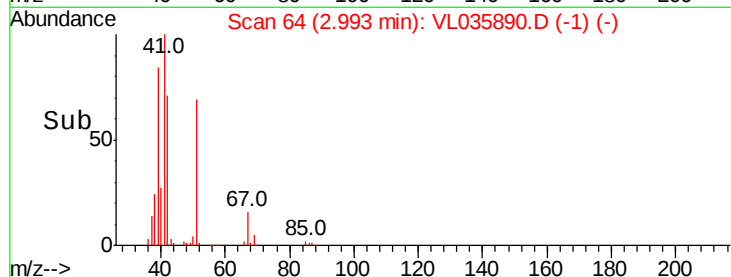
300000

200000

100000

0

Time-->



#10

Heptane

Concen: 12.539 ppbv

RT: 8.11 min Scan# 1656

Delta R.T. -0.02 min

Lab File: VL035890.D

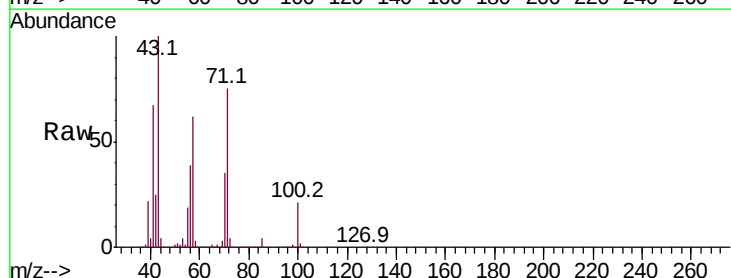
Acq: 6 Nov 2020 16:03

Tgt Ion: 43 Resp: 1456017

Ion Ratio Lower Upper

43 100

57 85.4 50.0 75.0#



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

8.11

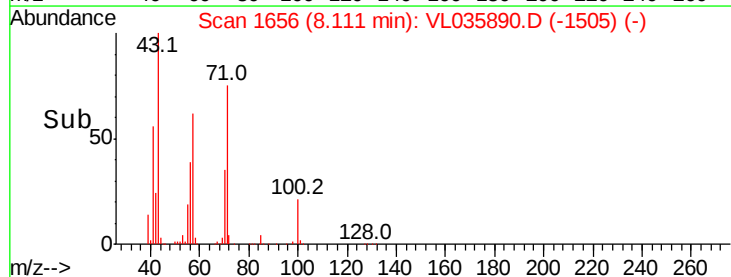
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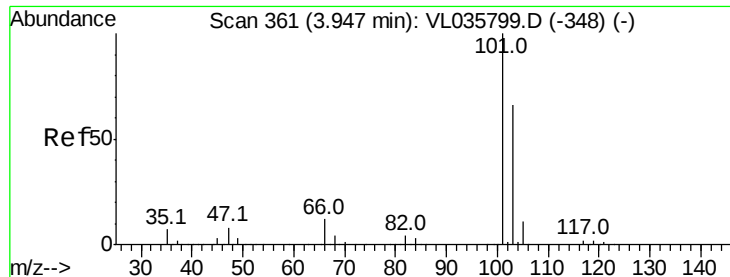
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200000

0

Time-->





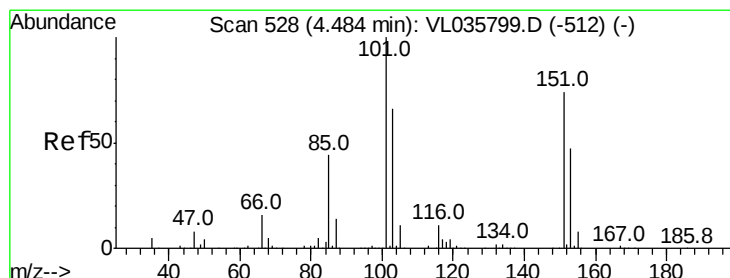
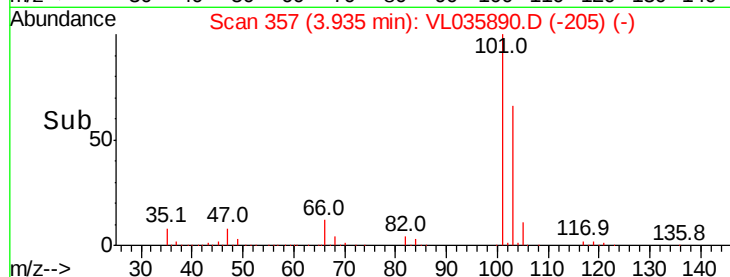
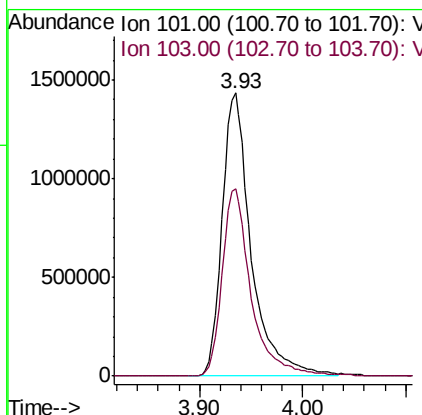
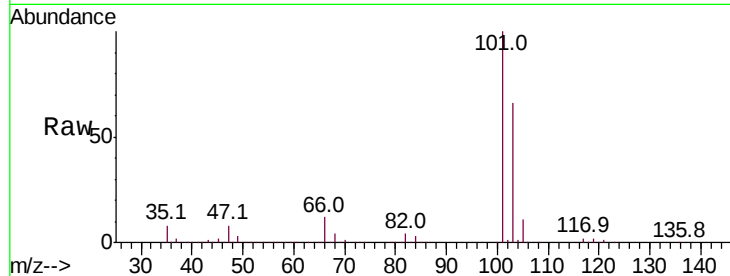
#11
 Trichlorofluoromethane
 Concen: 12.422 ppbv
 RT: 3.93 min Scan# 357
 Delta R.T. -0.01 min
 Lab File: VL035890.D
 Acq: 6 Nov 2020 16:03

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion:101 Resp: 2816671
 Ion Ratio Lower Upper
 101 100
 103 66.3 53.0 79.4

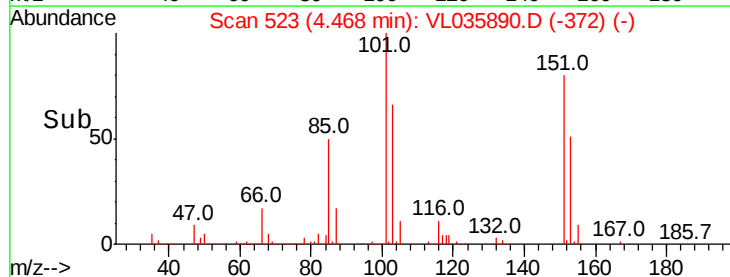
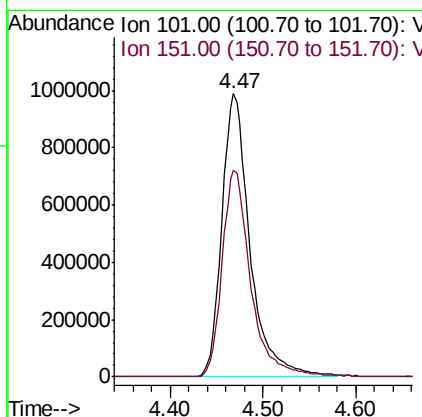
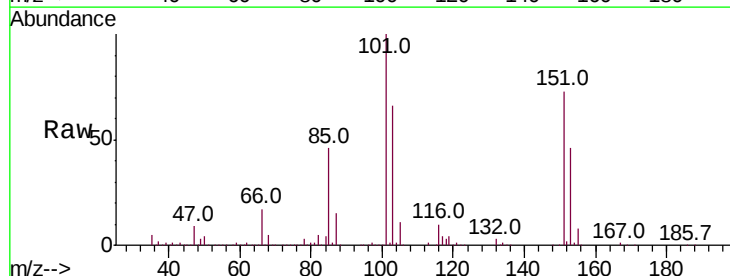
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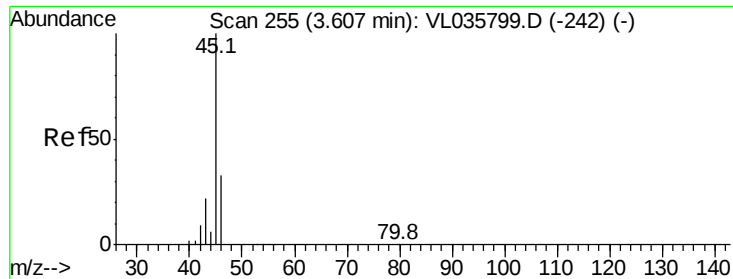
MMDadoda
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#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 12.344 ppbv
 RT: 4.47 min Scan# 523
 Delta R.T. -0.02 min
 Lab File: VL035890.D
 Acq: 6 Nov 2020 16:03

Tgt Ion:101 Resp: 2083883
 Ion Ratio Lower Upper
 101 100
 151 74.4 58.9 88.3





#13

Ethanol

Concen: 9.248 ppbv

RT: 3.59 min Scan# 250

Delta R.T. -0.02 min

Lab File: VL035890.D

Acq: 6 Nov 2020 16:03

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 45 Resp: 84349

Ion Ratio Lower Upper

45 100

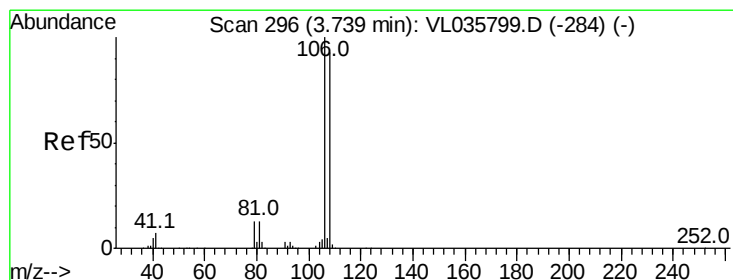
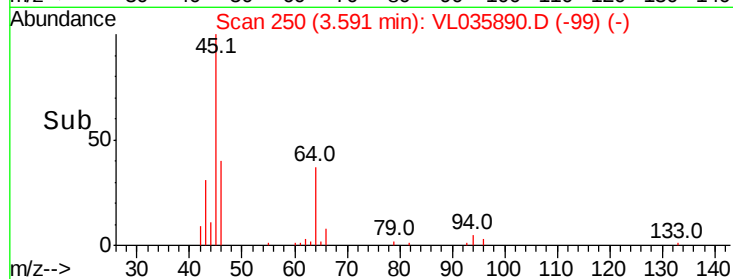
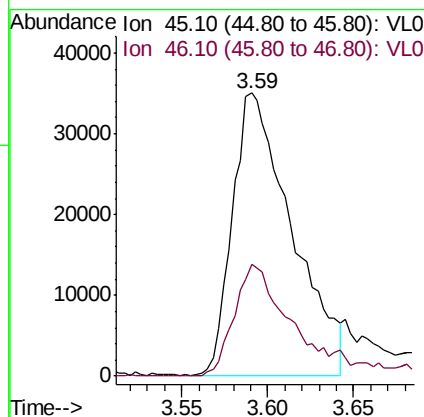
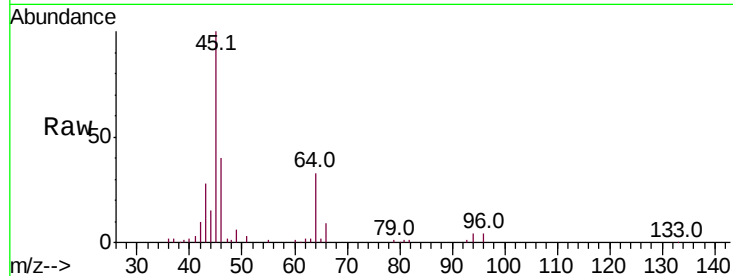
46 42.5 16.1 64.5

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#14

Bromoethene

Concen: 11.290 ppbv

RT: 3.72 min Scan# 291

Delta R.T. -0.02 min

Lab File: VL035890.D

Acq: 6 Nov 2020 16:03

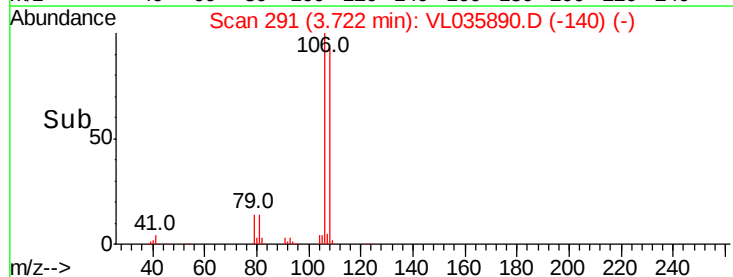
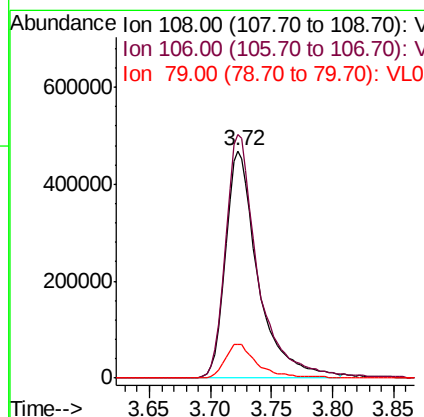
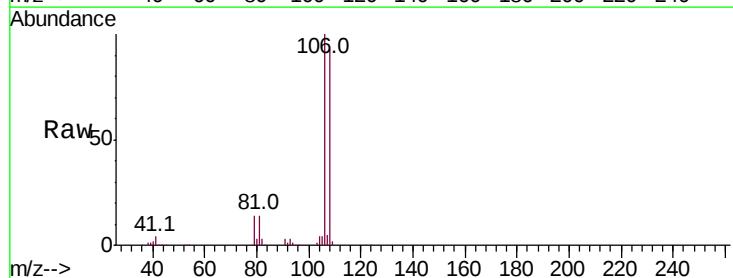
Tgt Ion: 108 Resp: 877159

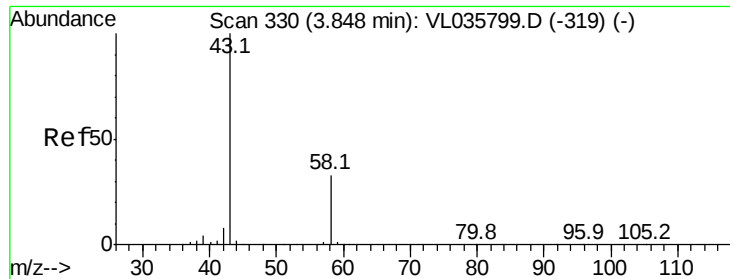
Ion Ratio Lower Upper

108 100

106 108.0 85.3 127.9

79 15.3 11.6 17.4





#15

Acetone

Concen: 5.143 ppbv

RT: 3.84 min Scan# 327

Delta R.T. -0.01 min

Lab File: VL035890.D

Acq: 6 Nov 2020 16:03

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 43 Resp: 527394

Ion Ratio Lower Upper

43 100

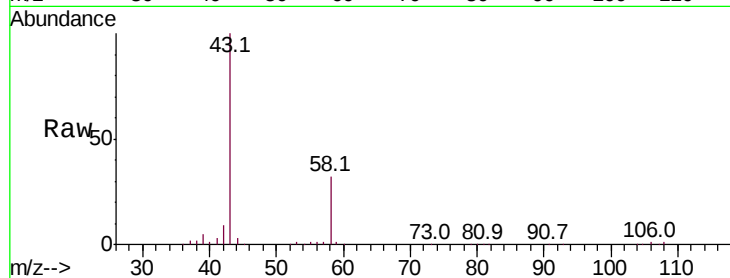
58 34.8 27.5 41.3

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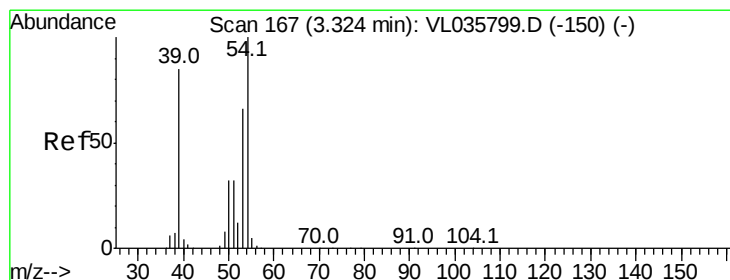
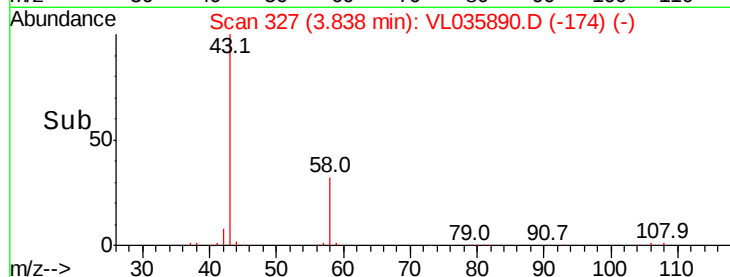
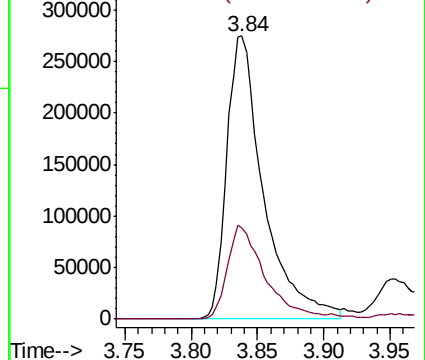
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Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#16

1,3-Butadiene

Concen: 13.253 ppbv

RT: 3.31 min Scan# 163

Delta R.T. -0.01 min

Lab File: VL035890.D

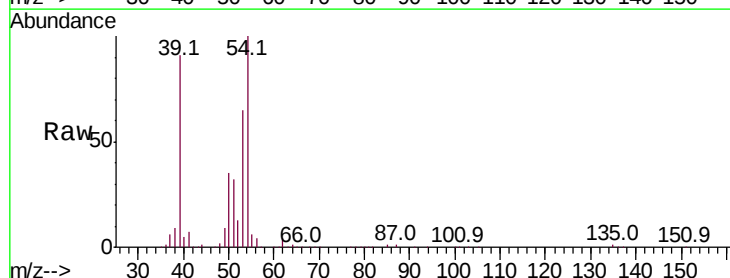
Acq: 6 Nov 2020 16:03

Tgt Ion: 39 Resp: 585090

Ion Ratio Lower Upper

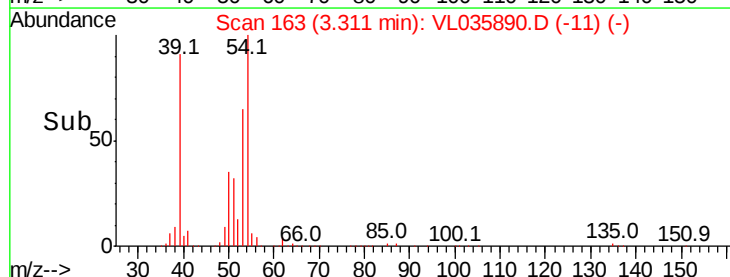
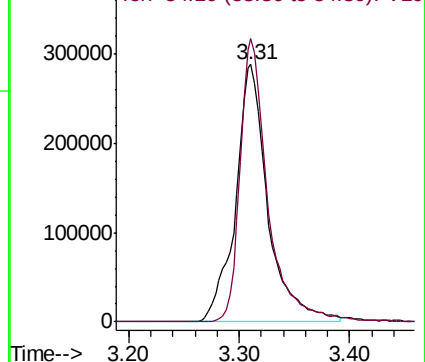
39 100

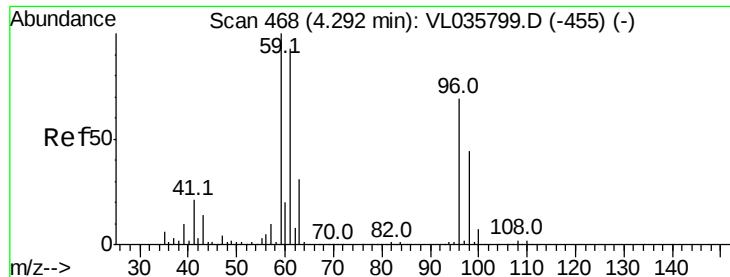
54 95.6 87.1 130.7



Abundance Ion 39.10 (38.80 to 39.80): VL0

Ion 54.10 (53.80 to 54.80): VL0





#17

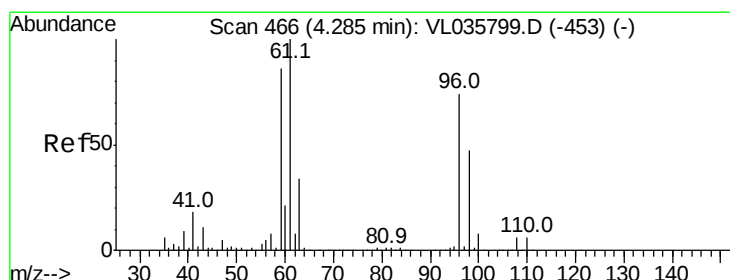
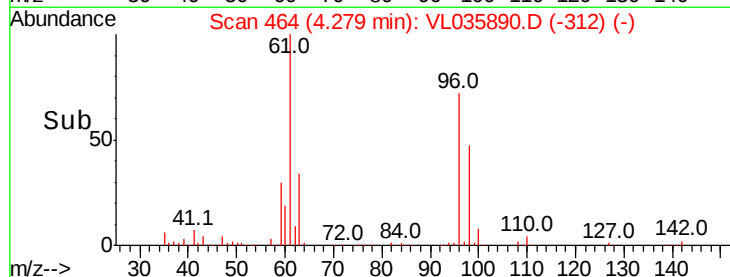
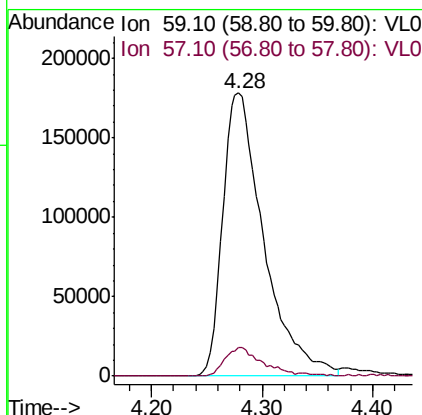
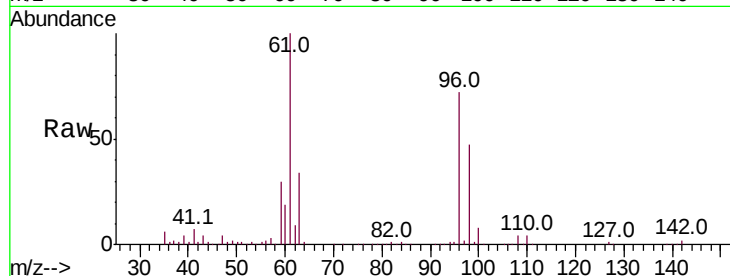
tert-Butyl alcohol
Concen: 3.381 ppbv
RT: 4.28 min Scan# 464
Delta R.T. -0.01 min
Lab File: VL035890.D
Acq: 6 Nov 2020 16:03

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.7	8.2	12.4

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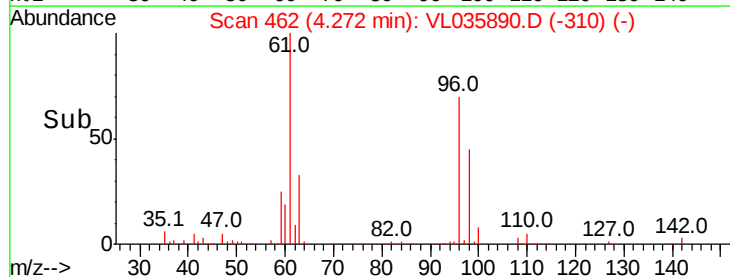
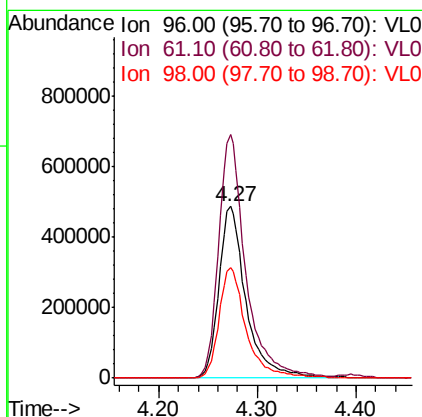
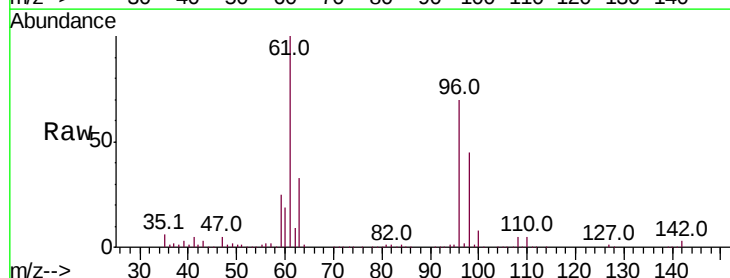
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11/9/2020 10:48:36 AM

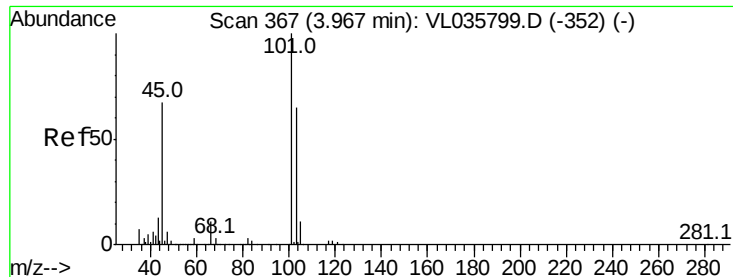


#18

1,1-Dichloroethene
Concen: 12.162 ppbv
RT: 4.27 min Scan# 462
Delta R.T. -0.01 min
Lab File: VL035890.D
Acq: 6 Nov 2020 16:03

Tgt Ion	Ratio	Lower	Upper
96	100		
61	142.0	108.5	162.7
98	64.5	50.7	76.1





#19

Isopropyl Alcohol

Concen: 4.503 ppbv

RT: 3.95 min Scan# 363

Delta R.T. -0.01 min

Lab File: VL035890.D

Acq: 6 Nov 2020 16:03

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 45 Resp: 283738

Ion Ratio Lower Upper

45 100

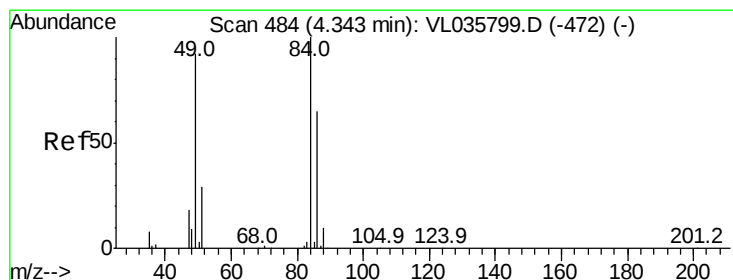
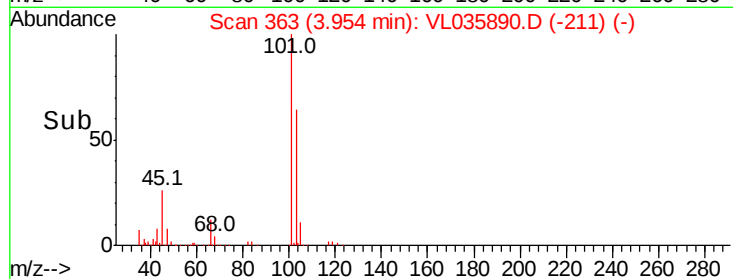
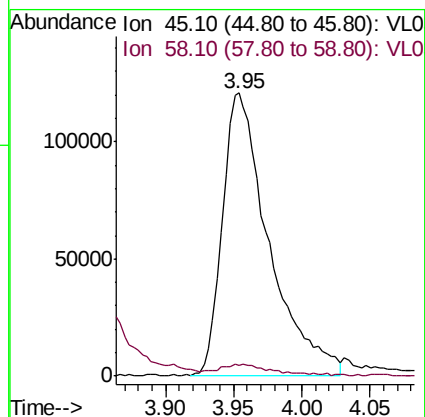
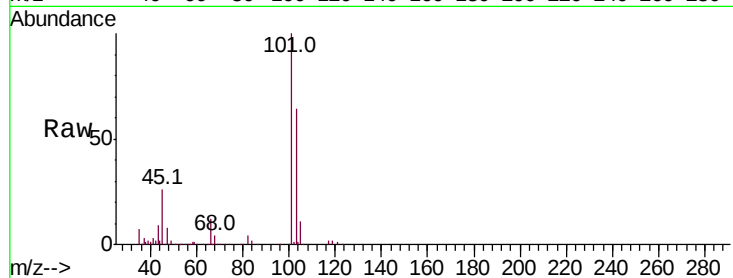
58 4.5 2.6 3.8#

Manual Integrations

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#20

Methylene Chloride

Concen: 10.784 ppbv

RT: 4.33 min Scan# 479

Delta R.T. -0.02 min

Lab File: VL035890.D

Acq: 6 Nov 2020 16:03

Tgt Ion: 84 Resp: 778409

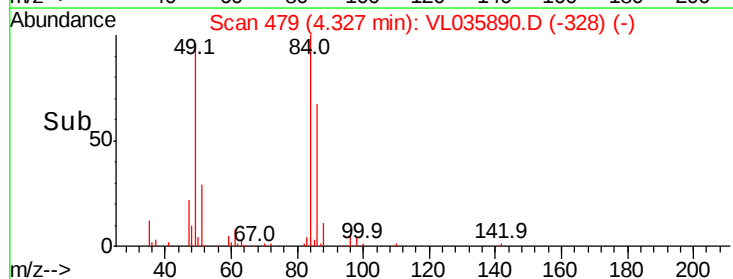
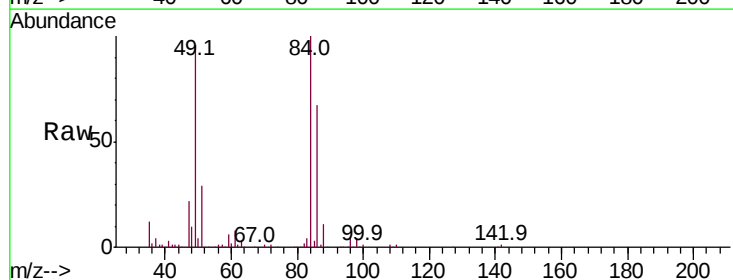
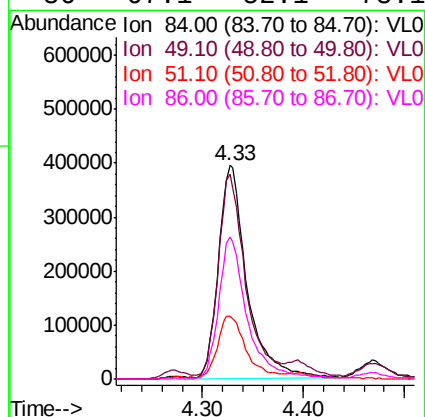
Ion Ratio Lower Upper

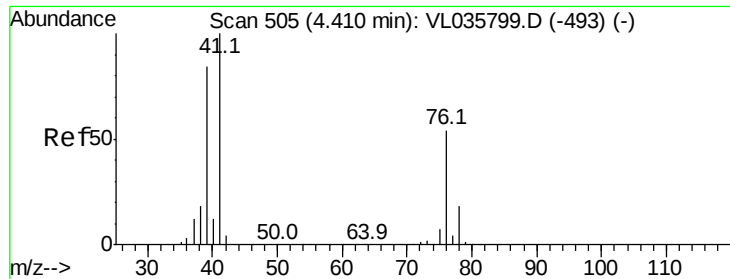
84 100

49 94.9 73.8 110.8

51 29.2 23.0 34.4

86 67.1 52.1 78.1





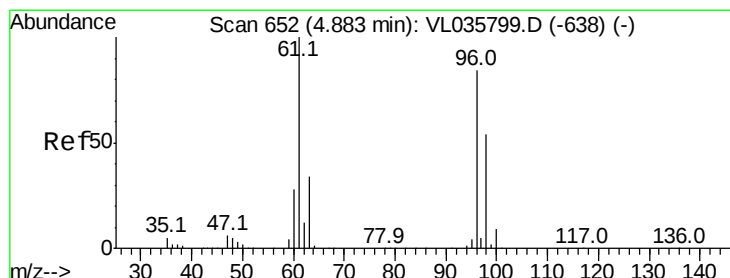
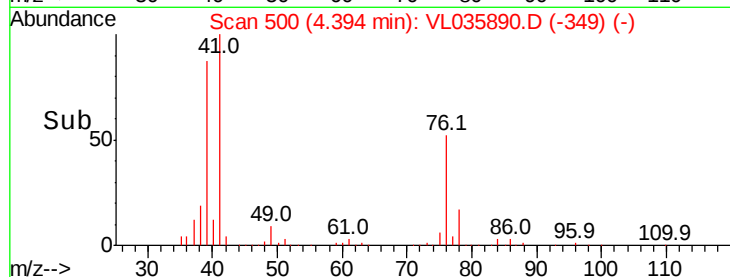
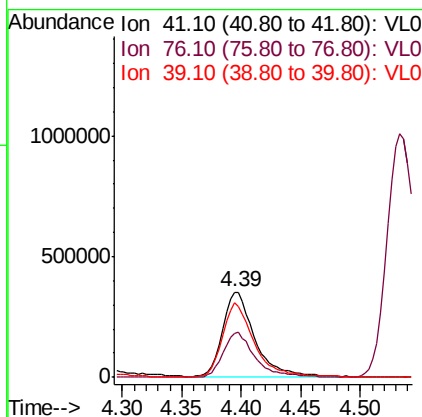
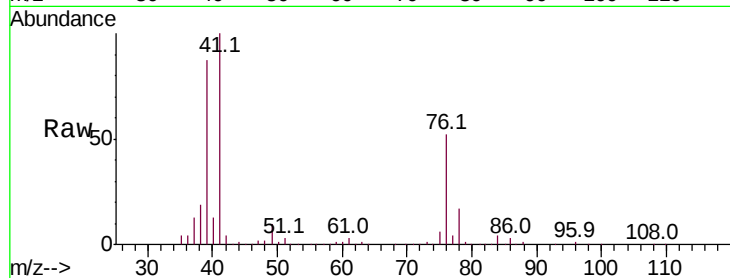
#21
Allvl Chloride
Concen: 11.760 ppbv
RT: 4.39 min Scan# 500
Delta R.T. -0.02 min
Lab File: VL035890.D
Acq: 6 Nov 2020 16:03

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
41	100		
76	53.3	42.6	63.8
39	87.7	67.0	100.4

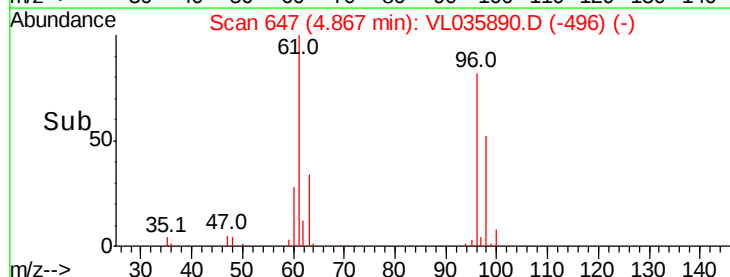
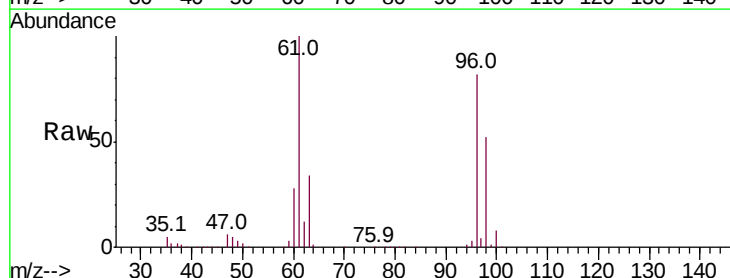
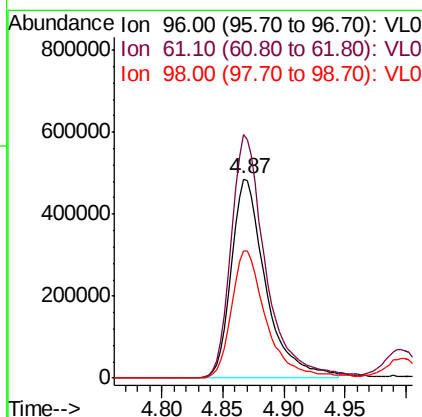
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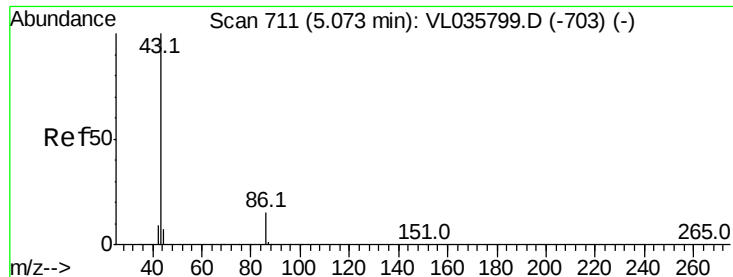
MMDadoda
11/9/2020 10:48:36 AM



#22
trans-1,2-Dichloroethene
Concen: 12.197 ppbv
RT: 4.87 min Scan# 647
Delta R.T. -0.02 min
Lab File: VL035890.D
Acq: 6 Nov 2020 16:03

Tgt Ion	Ratio	Lower	Upper
96	100		
61	122.4	95.4	143.0
98	64.0	51.8	77.6





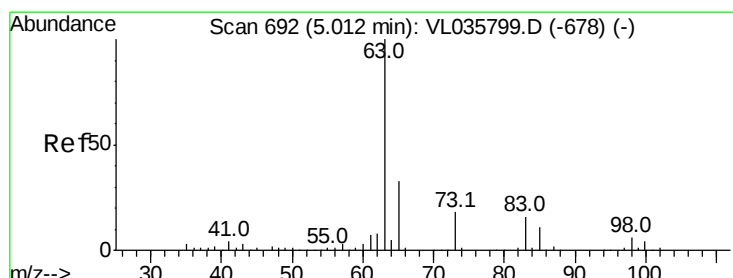
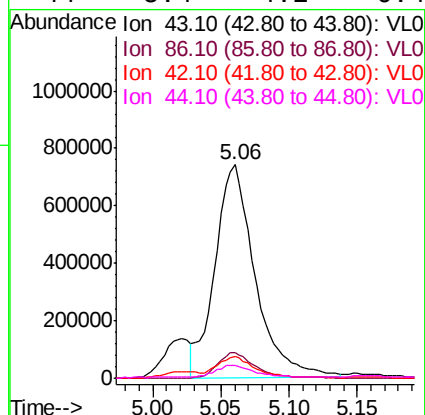
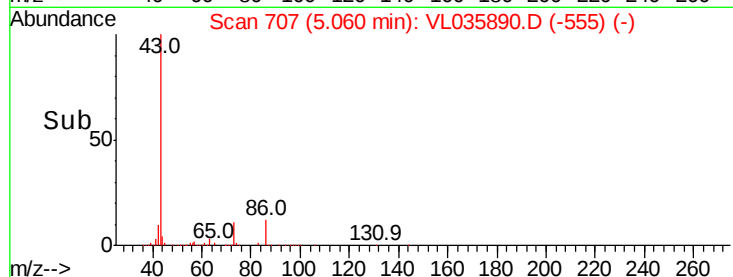
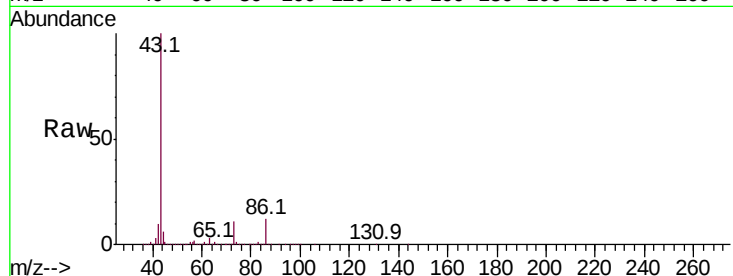
#23
 Vinyl Acetate
 Concen: 10.579 ppbv
 RT: 5.06 min Scan# 707
 Delta R.T. -0.01 min
 Lab File: VL035890.D
 Acq: 6 Nov 2020 16:03

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
43	100		
86	12.0	9.8	14.6
42	10.2	8.1	12.1
44	5.4	4.2	6.4

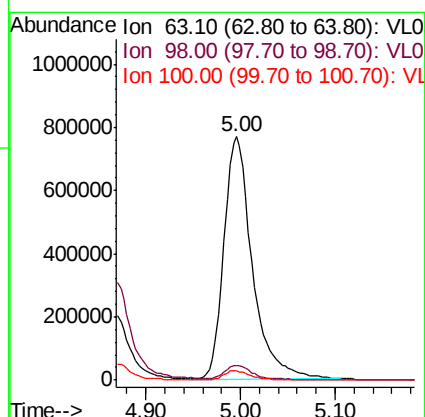
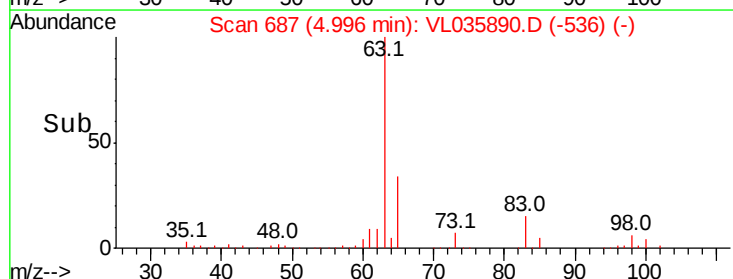
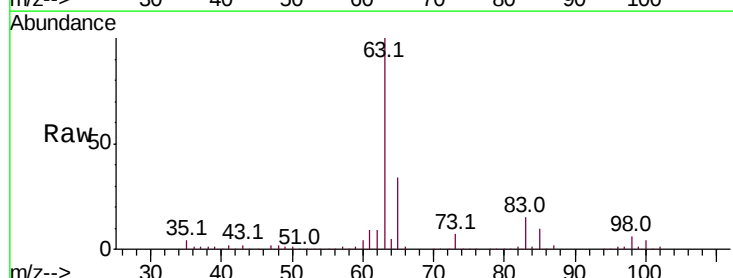
Manual Integrations
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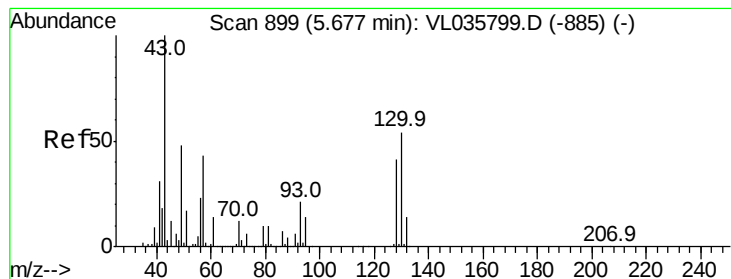
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#24
 1,1-Dichloroethane
 Concen: 11.734 ppbv
 RT: 5.00 min Scan# 687
 Delta R.T. -0.02 min
 Lab File: VL035890.D
 Acq: 6 Nov 2020 16:03

Tgt Ion	Ratio	Lower	Upper
63	100		
98	6.0	3.0	9.2
100	4.1	1.8	5.4





#25

Ethyl Acetate

Concen: 8.472 ppbv

RT: 5.66 min Scan# 895

Delta R.T. -0.01 min

Lab File: VL035890.D

Acq: 6 Nov 2020 16:03

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 43 Resp: 1711290

Ion Ratio Lower Upper

43 100

45 8.7 8.5 12.7

61 11.3 10.7 16.1

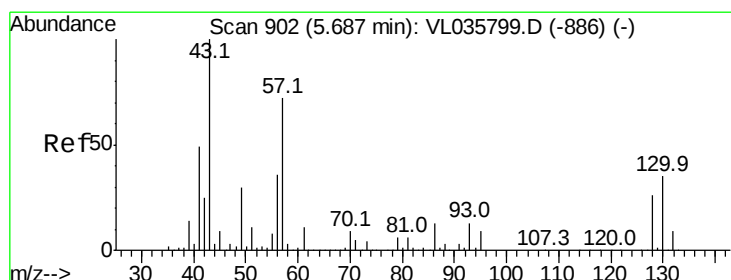
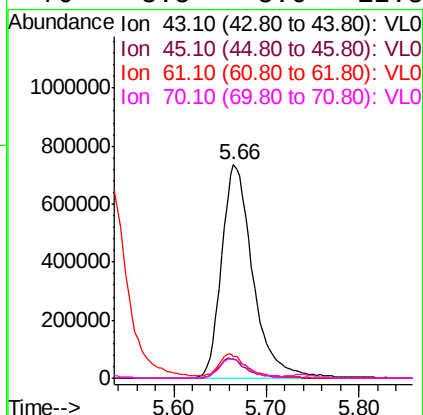
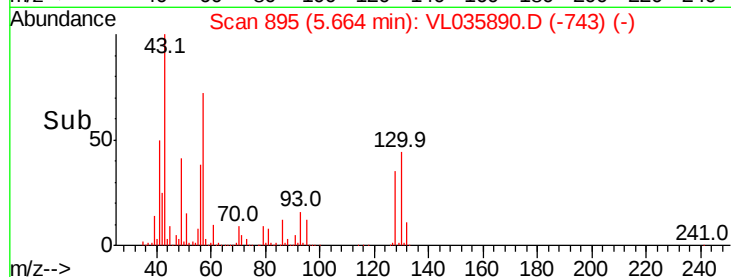
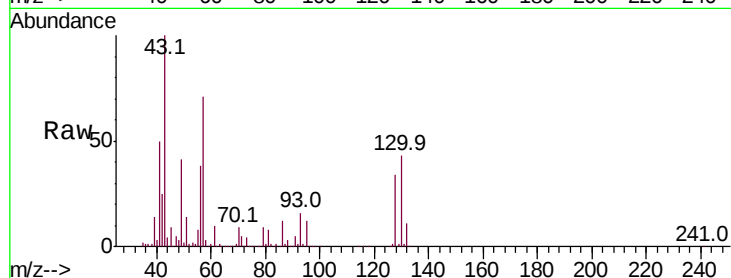
70 8.5 8.6 12.8#

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#26

Hexane

Concen: 11.650 ppbv

RT: 5.67 min Scan# 897

Delta R.T. -0.02 min

Lab File: VL035890.D

Acq: 6 Nov 2020 16:03

Tgt Ion: 57 Resp: 1297917

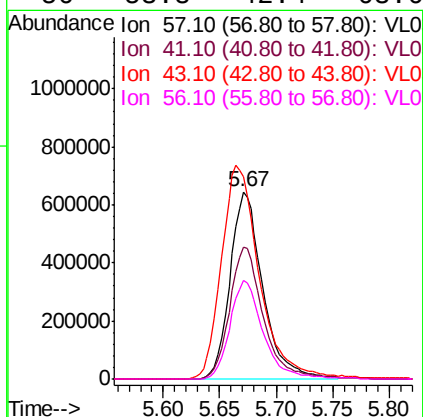
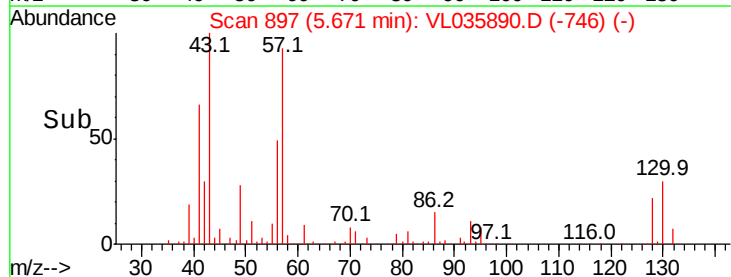
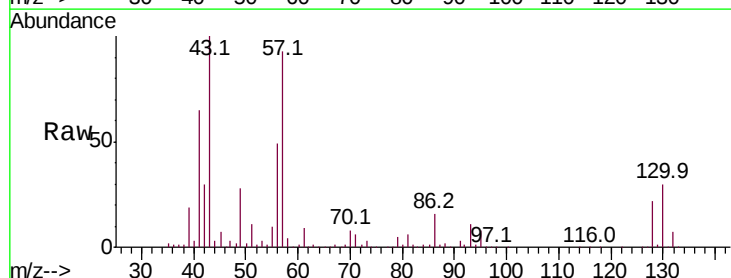
Ion Ratio Lower Upper

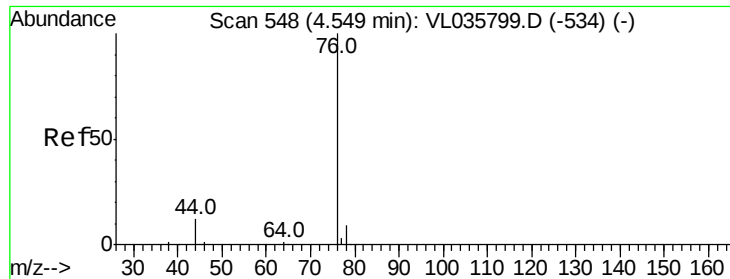
57 100

41 72.6 58.9 88.3

43 132.9 150.2 225.2#

56 53.8 42.4 63.6





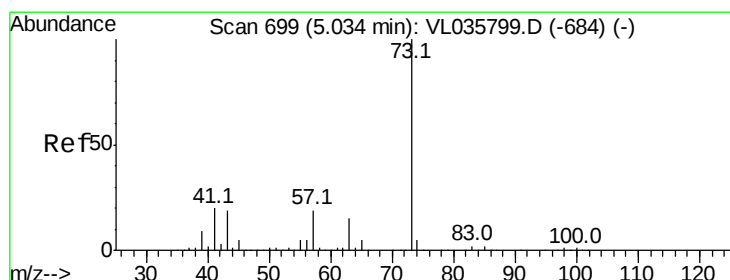
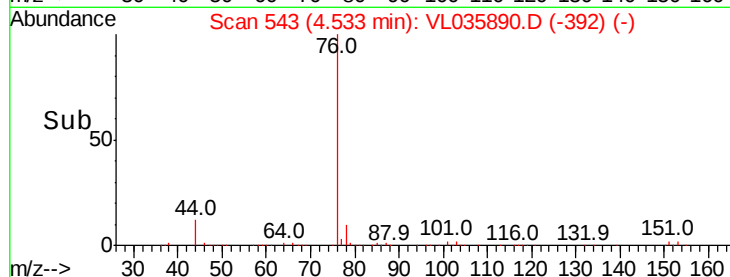
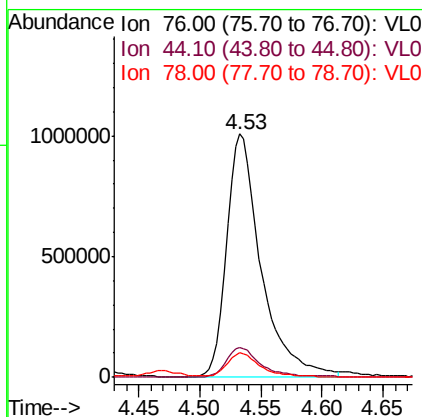
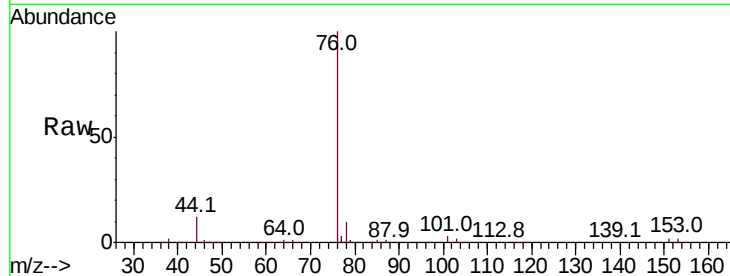
#27
Carbon Disulfide
Concen: 11.899 ppbv
RT: 4.53 min Scan# 543
Delta R.T. -0.02 min
Lab File: VL035890.D
Acq: 6 Nov 2020 16:03

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
76	100		
44	12.4	9.9	14.9
78	10.3	8.1	12.1

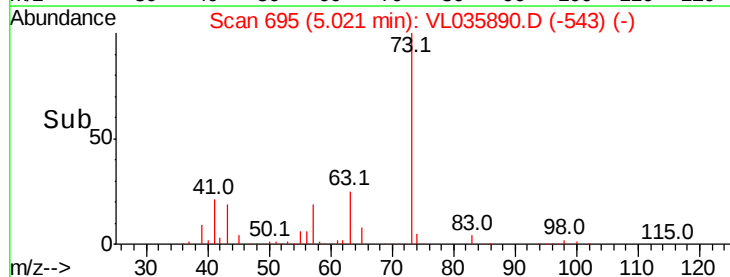
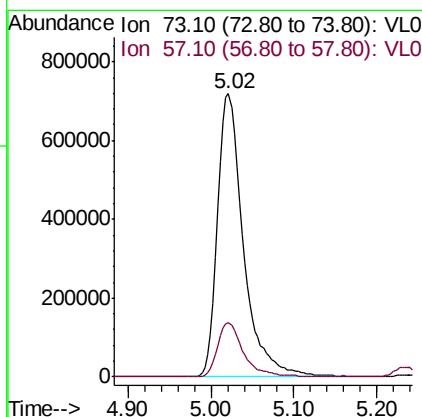
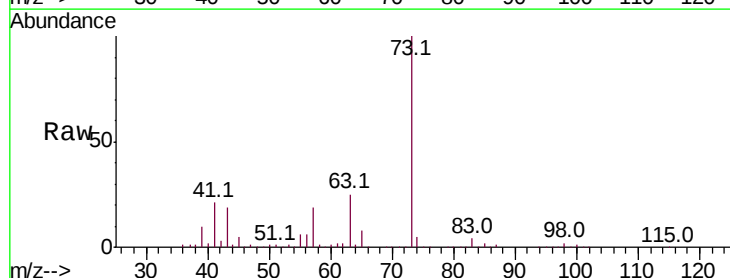
Manual Integrations
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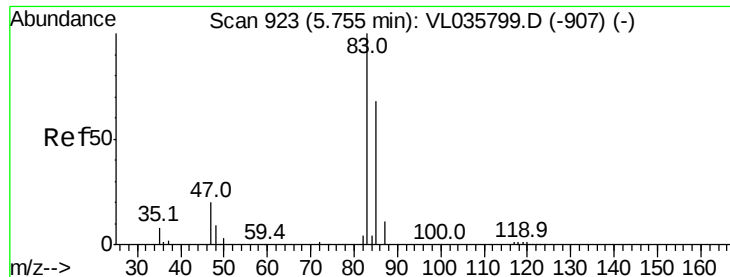
MMDadoda
11/9/2020 10:48:36 AM



#28
Methyl tert-Butyl Ether
Concen: 7.795 ppbv
RT: 5.02 min Scan# 695
Delta R.T. -0.01 min
Lab File: VL035890.D
Acq: 6 Nov 2020 16:03

Tgt Ion	Ratio	Lower	Upper
73	100		
57	19.2	15.4	23.2





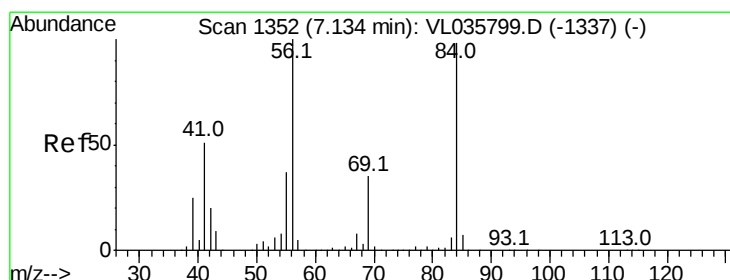
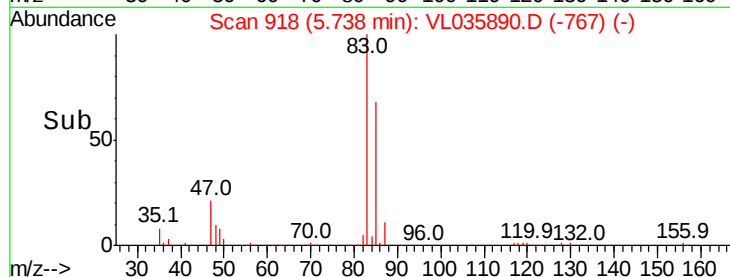
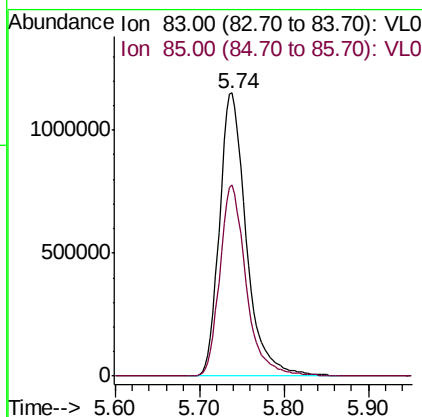
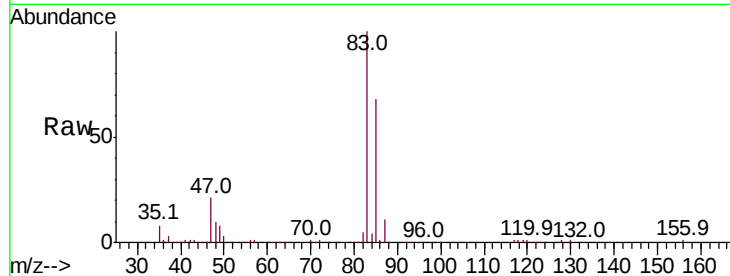
#29
Chloroform
Concen: 11.643 ppbv
RT: 5.74 min Scan# 918
Delta R.T. -0.02 min
Lab File: VL035890.D
Acq: 6 Nov 2020 16:03

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 83 Resp: 2549478
Ion Ratio Lower Upper
83 100
85 67.6 54.6 81.8

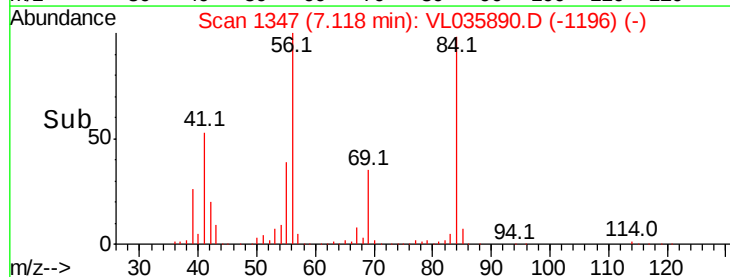
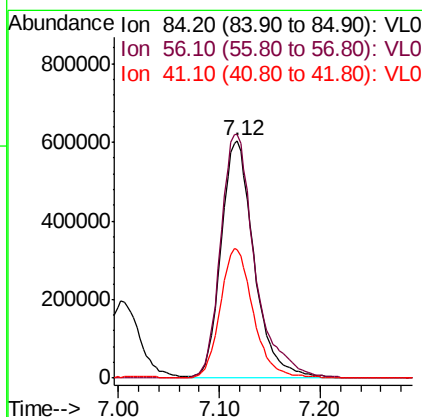
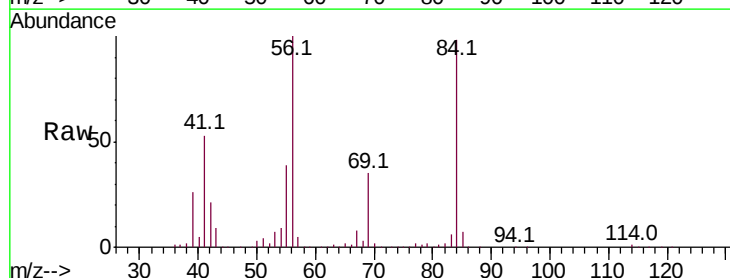
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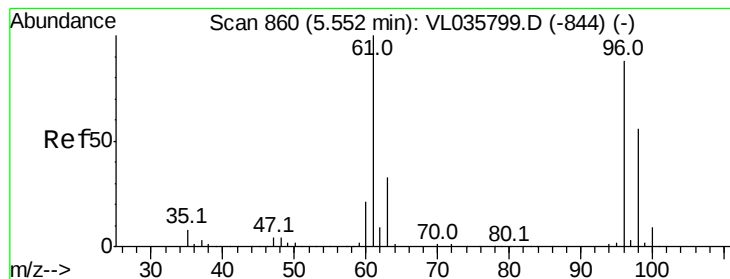
MMDadoda
11/9/2020 10:48:36 AM



#30
Cyclohexane
Concen: 11.296 ppbv
RT: 7.12 min Scan# 1347
Delta R.T. -0.02 min
Lab File: VL035890.D
Acq: 6 Nov 2020 16:03

Tgt Ion: 84 Resp: 1370663
Ion Ratio Lower Upper
84 100
56 108.4 86.4 129.6
41 55.2 42.1 63.1





#31

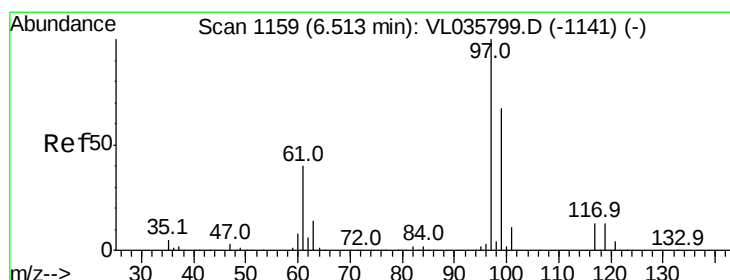
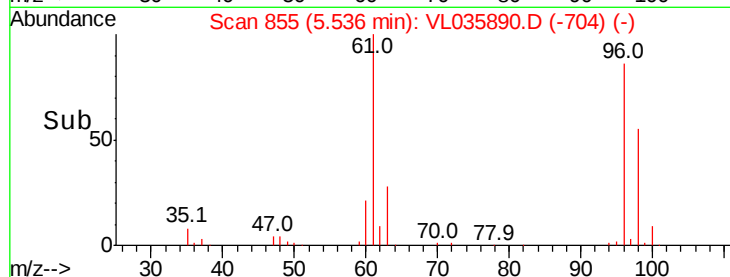
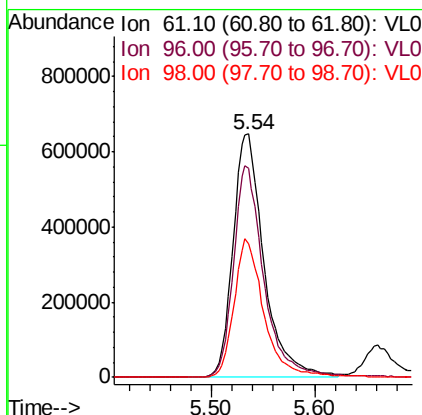
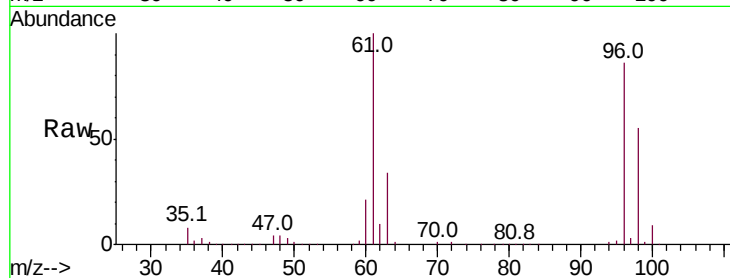
cis-1,2-Dichloroethene
 Concen: 11.835 ppbv
 RT: 5.54 min Scan# 855
 Delta R.T. -0.02 min
 Lab File: VL035890.D
 Acq: 6 Nov 2020 16:03

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion: 61 Resp: 1356310
 Ion Ratio Lower Upper
 61 100
 96 85.6 70.3 105.5
 98 55.0 45.0 67.6

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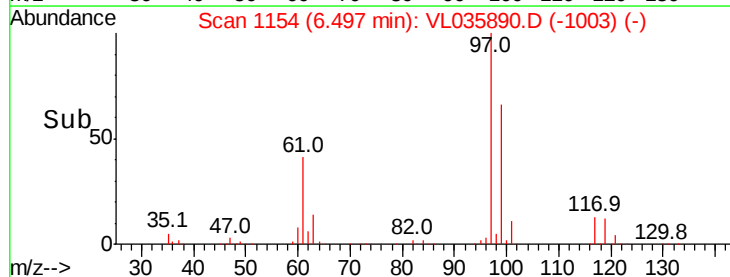
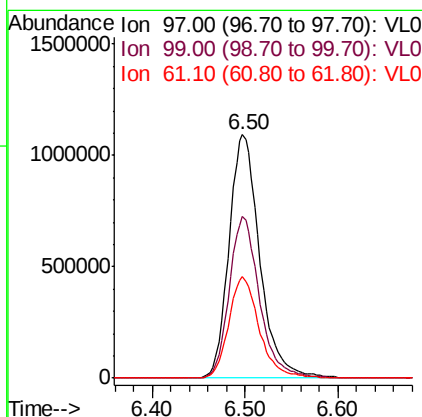
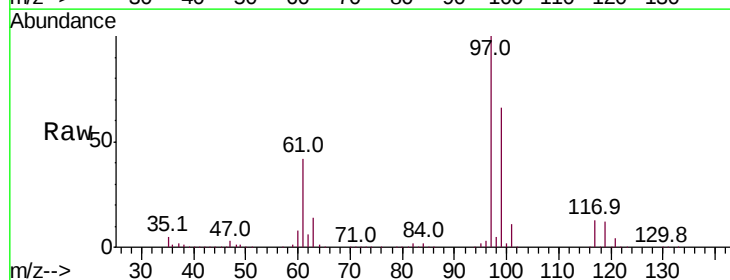
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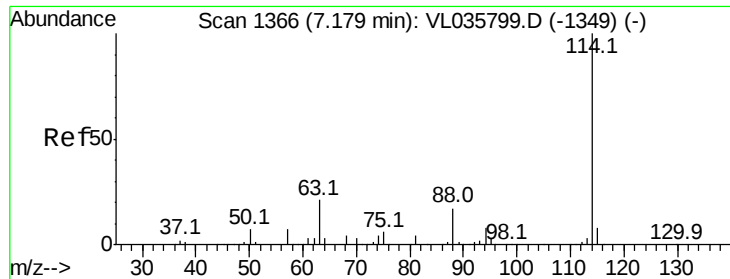


#32

1,1,1-Trichloroethane
 Concen: 10.989 ppbv
 RT: 6.50 min Scan# 1154
 Delta R.T. -0.02 min
 Lab File: VL035890.D
 Acq: 6 Nov 2020 16:03

Tgt Ion: 97 Resp: 2510967
 Ion Ratio Lower Upper
 97 100
 99 65.4 52.3 78.5
 61 41.5 32.0 48.0





#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.16 min Scan# 1361
 Delta R.T. -0.02 min
 Lab File: VL035890.D
 Acq: 6 Nov 2020 16:03

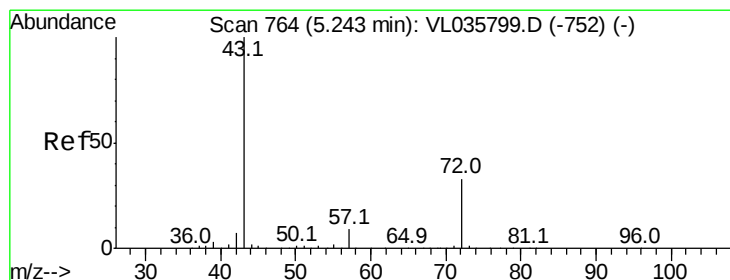
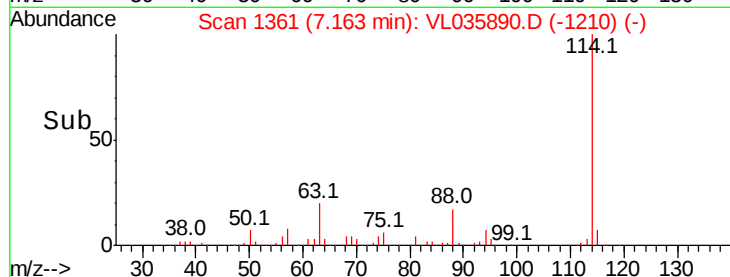
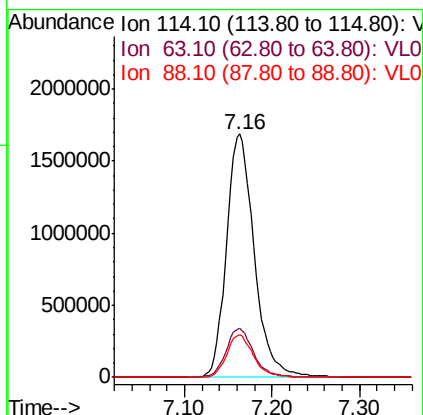
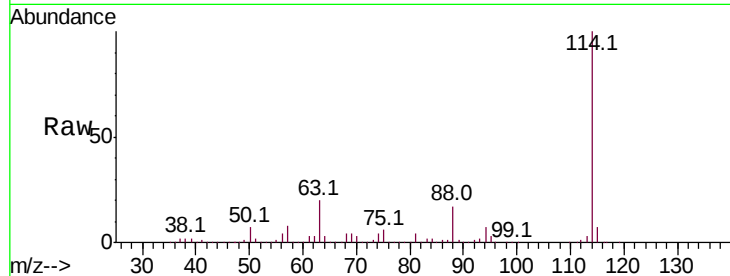
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion:114 Resp: 3721372

Ion	Ratio	Lower	Upper
114	100		
63	20.3	16.1	24.1
88	17.0	13.7	20.5

Manual Integrations
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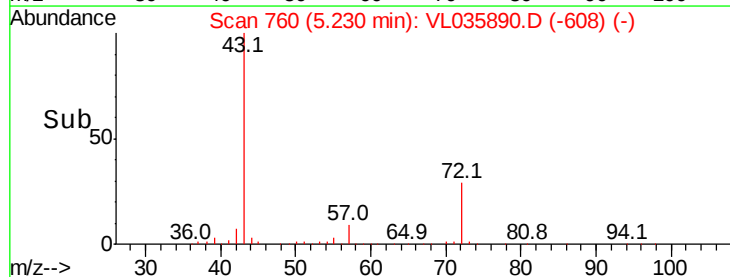
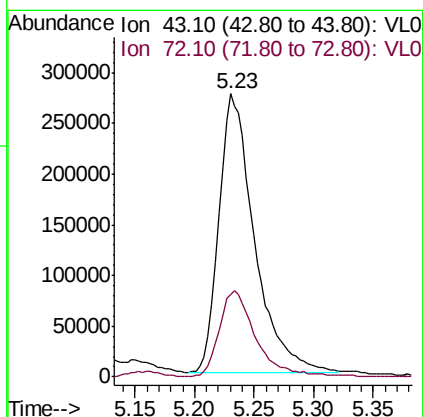
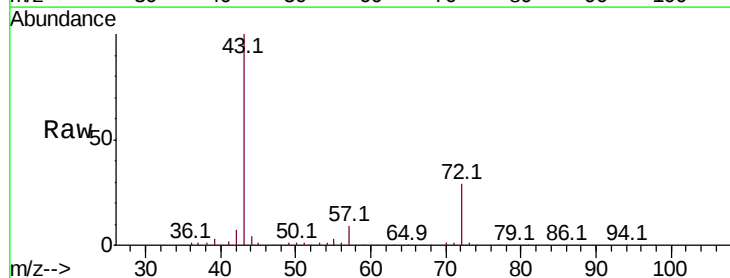
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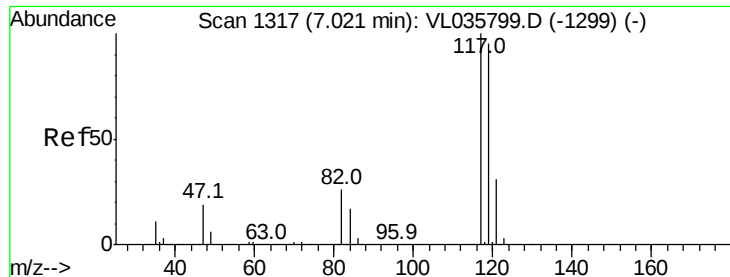


#34
 2-Butanone
 Concen: 4.705 ppbv
 RT: 5.23 min Scan# 760
 Delta R.T. -0.01 min
 Lab File: VL035890.D
 Acq: 6 Nov 2020 16:03

Tgt Ion: 43 Resp: 568240

Ion	Ratio	Lower	Upper
43	100		
72	32.0	26.5	39.7





#35

Carbon Tetrachloride

Concen: 12.836 ppbv

RT: 7.01 min Scan# 1312

Delta R.T. -0.02 min

Lab File: VL035890.D

Acq: 6 Nov 2020 16:03

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:117 Resp: 2552170

Ion Ratio Lower Upper

117 100

119 97.6 75.6 113.4

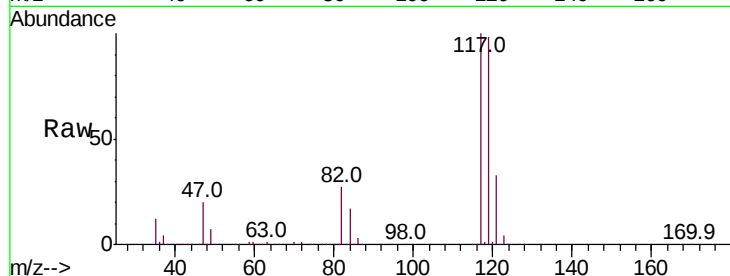
121 32.7 25.1 37.7

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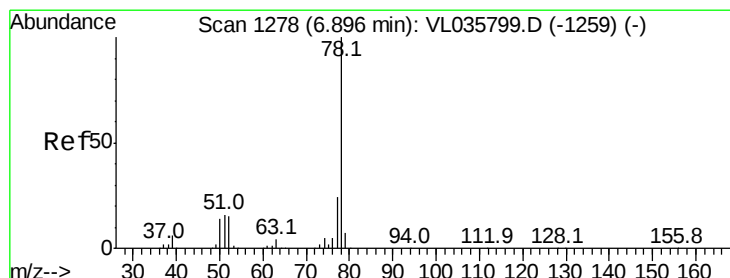
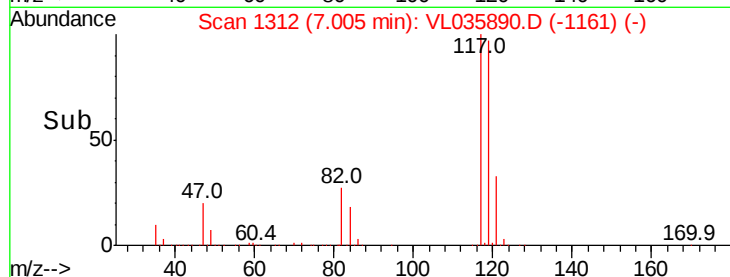
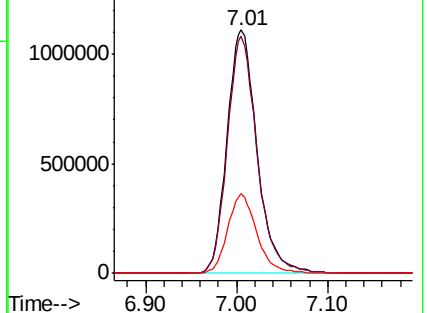
11/9/2020 10:48:36 AM



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: 11.535 ppbv

RT: 6.88 min Scan# 1272

Delta R.T. -0.02 min

Lab File: VL035890.D

Acq: 6 Nov 2020 16:03

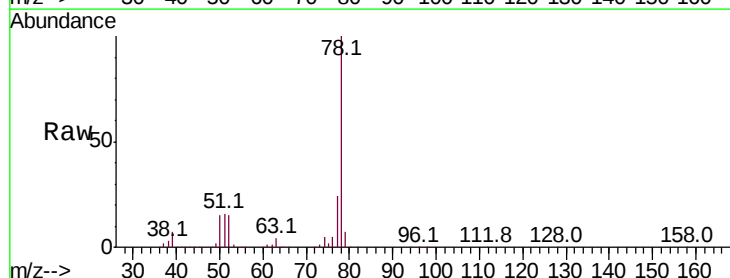
Tgt Ion: 78 Resp: 3191147

Ion Ratio Lower Upper

78 100

77 23.7 19.3 28.9

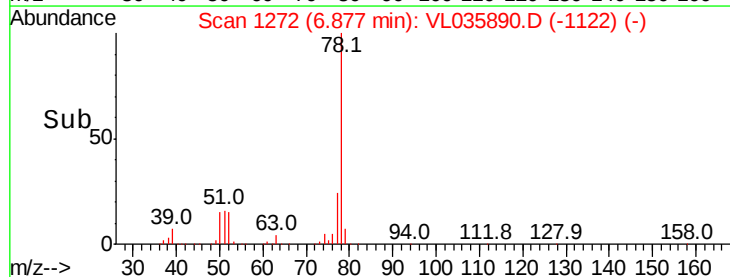
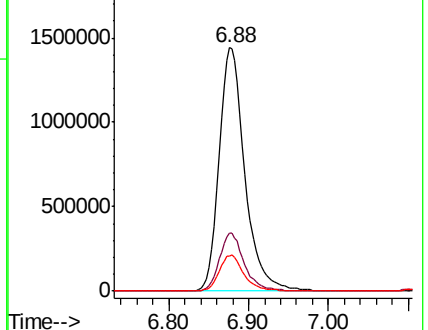
50 14.6 11.4 17.2

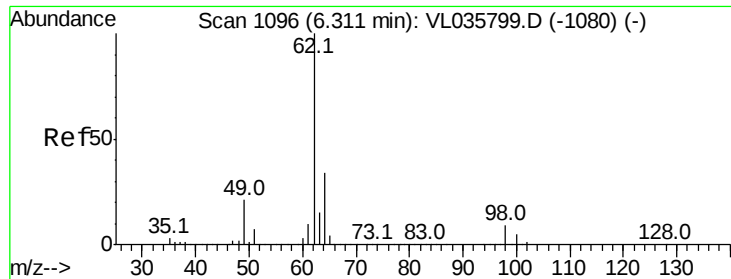


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0





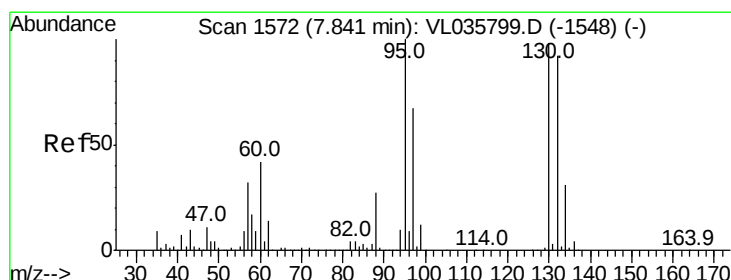
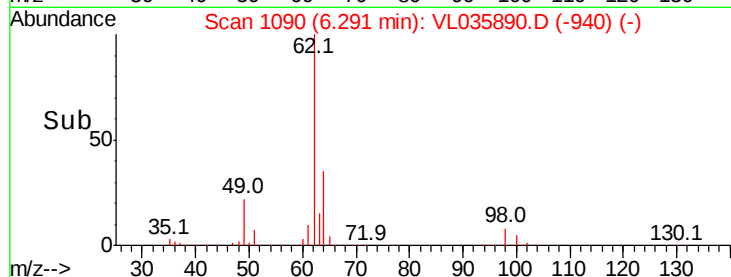
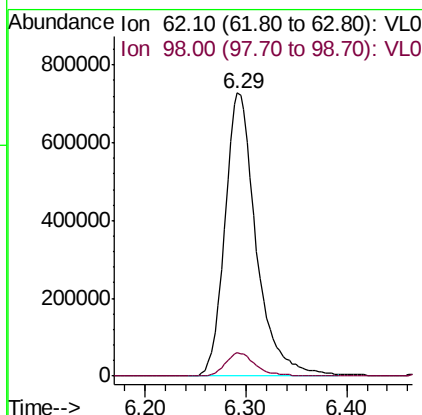
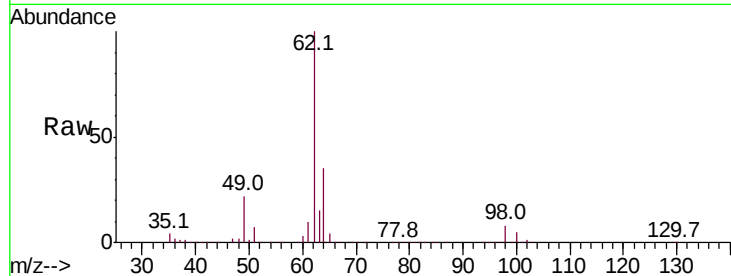
#37
 1,2-Dichloroethane
 Concen: 12.571 ppbv
 RT: 6.29 min Scan# 1090
 Delta R.T. -0.02 min
 Lab File: VL035890.D
 Acq: 6 Nov 2020 16:03

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion: 62 Resp: 1575632
 Ion Ratio Lower Upper
 62 100
 98 8.2 6.9 10.3

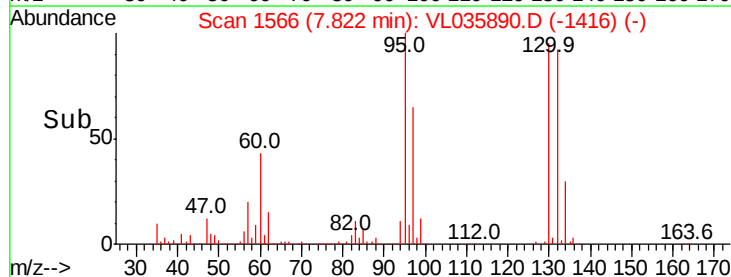
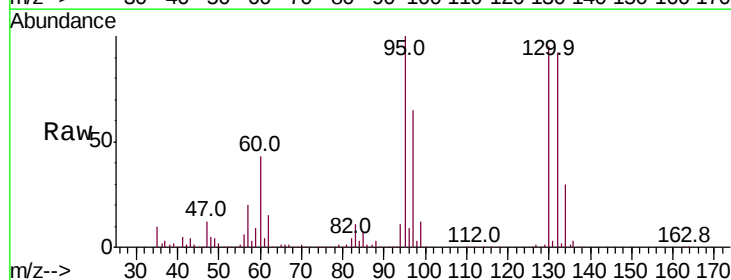
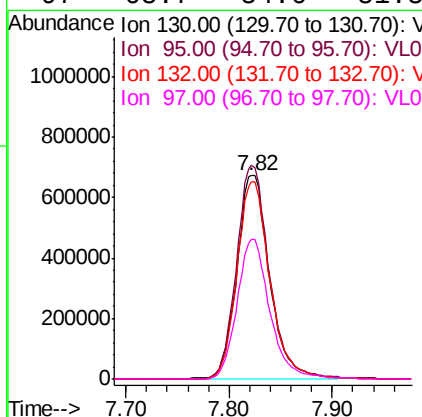
Manual Integrations
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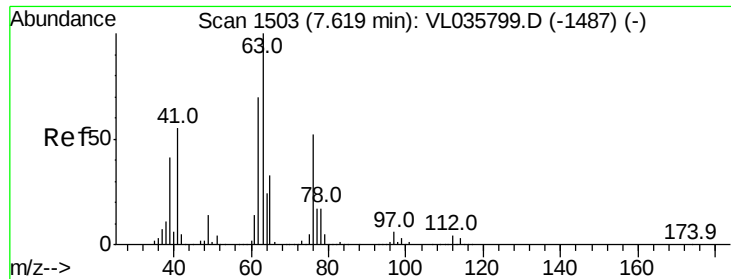
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#38
 Trichloroethene
 Concen: 11.006 ppbv
 RT: 7.82 min Scan# 1566
 Delta R.T. -0.02 min
 Lab File: VL035890.D
 Acq: 6 Nov 2020 16:03

Tgt Ion: 130 Resp: 1487242
 Ion Ratio Lower Upper
 130 100
 95 105.2 81.6 122.4
 132 96.8 75.1 112.7
 97 68.7 54.6 81.8





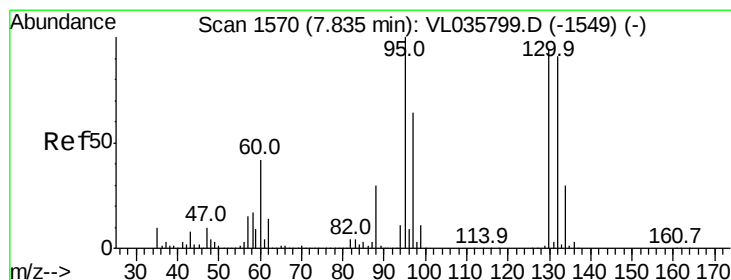
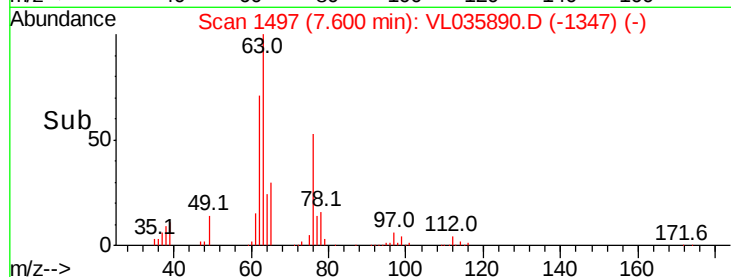
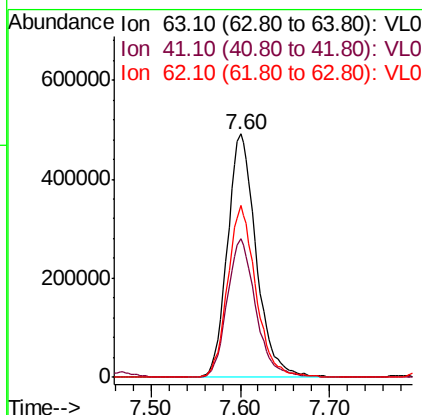
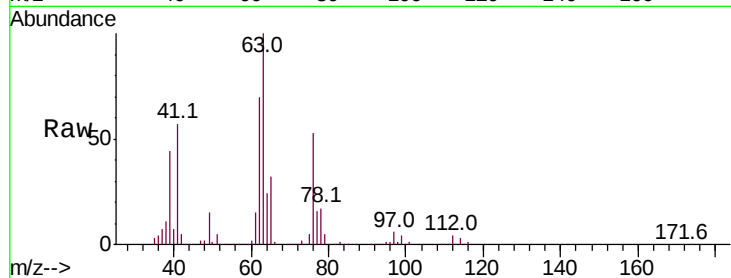
#39
 1,2-Dichloropropane
 Concen: 11.757 ppbv
 RT: 7.60 min Scan# 1497
 Delta R.T. -0.02 min
 Lab File: VL035890.D
 Acq: 6 Nov 2020 16:03

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion: 63 Resp: 1095059
 Ion Ratio Lower Upper
 63 100
 41 56.9 43.8 65.6
 62 70.5 56.2 84.2

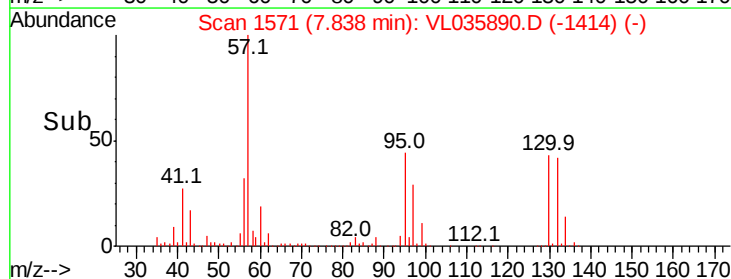
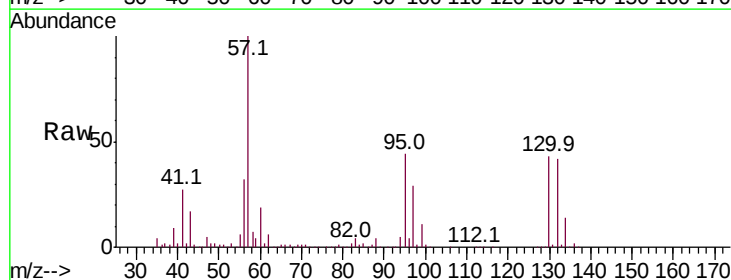
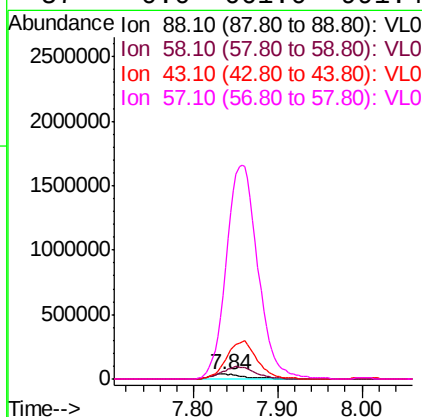
Manual Integrations
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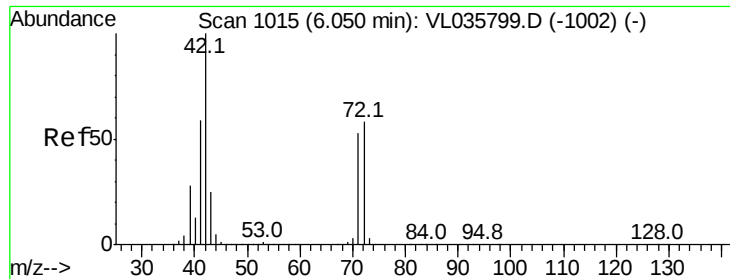
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#40
 1,4-Dioxane
 Concen: 2.560 ppbv m
 RT: 7.84 min Scan# 1571
 Delta R.T. 0.00 min
 Lab File: VL035890.D
 Acq: 6 Nov 2020 16:03

Tgt Ion: 88 Resp: 113014
 Ion Ratio Lower Upper
 88 100
 58 0.0 76.2 114.2#
 43 0.0 123.1 184.7#
 57 0.0 661.0 991.4#





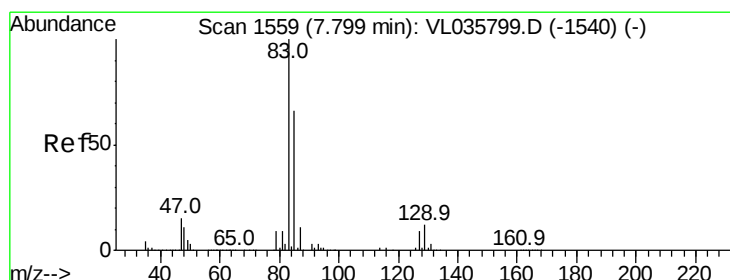
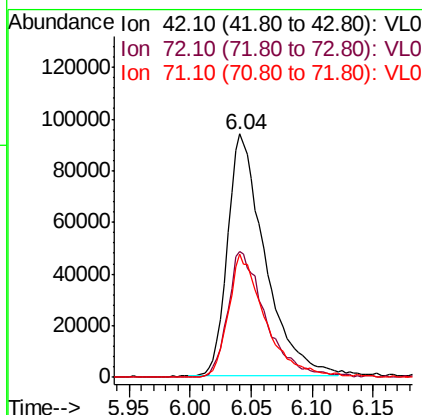
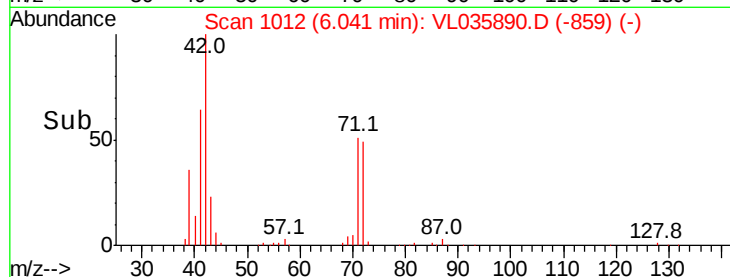
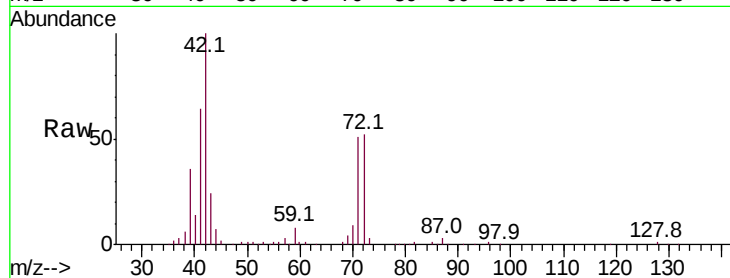
#41
Tetrahydrofuran
Concen: 2.933 ppbv
RT: 6.04 min Scan# 1012
Delta R.T. -0.01 min
Lab File: VL035890.D
Acq: 6 Nov 2020 16:03

Instrument :
MSVOA_L
ClientSampleID :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	53.0	45.4	68.0
71	50.5	43.4	65.2

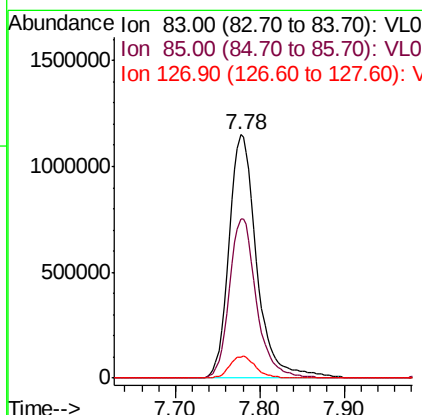
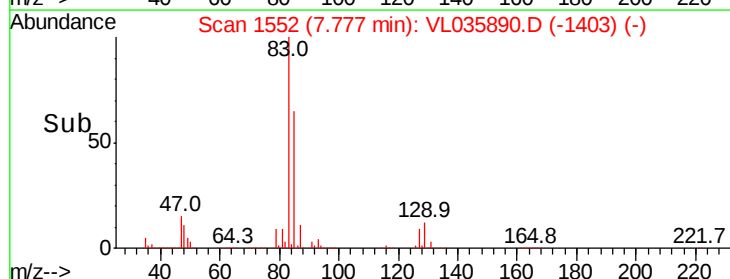
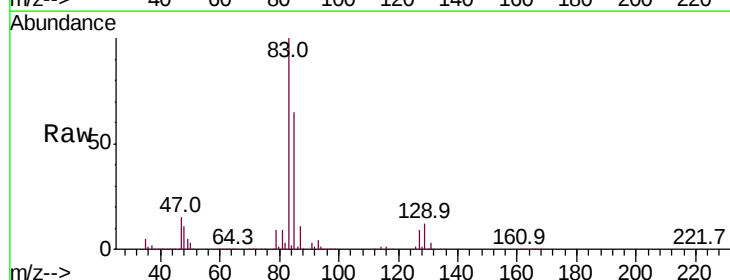
Manual Integrations
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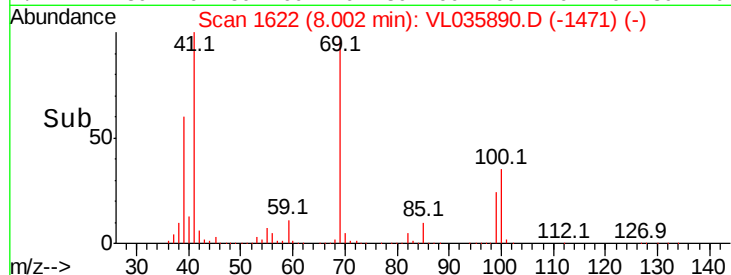
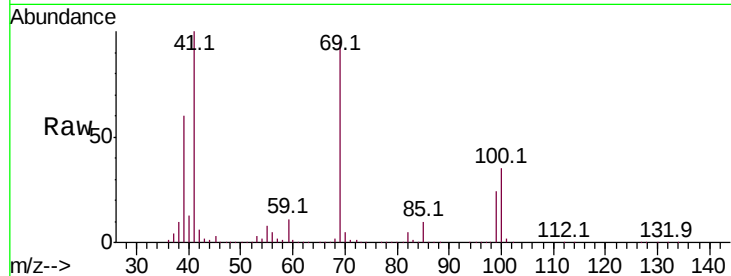
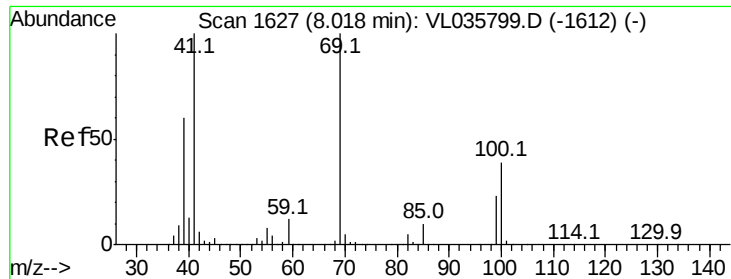
MMDadoda
11/9/2020 10:48:36 AM



#42
Bromodichloromethane
Concen: 12.448 ppbv
RT: 7.78 min Scan# 1552
Delta R.T. -0.02 min
Lab File: VL035890.D
Acq: 6 Nov 2020 16:03

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.2	53.1	79.7
127	8.6	7.3	10.9





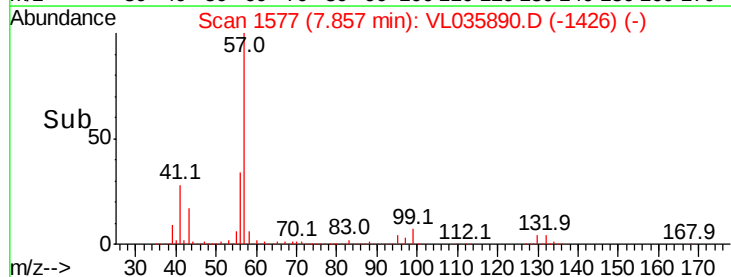
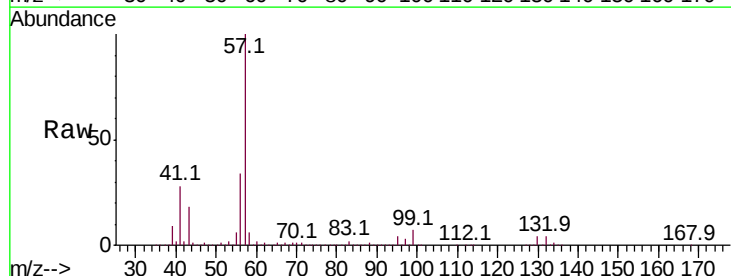
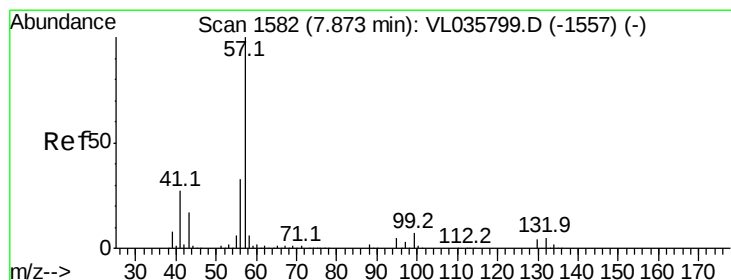
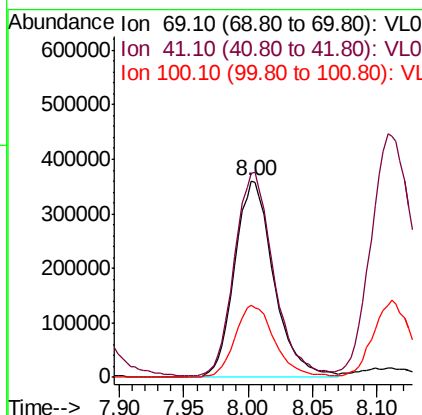
#43
Methvl Methacrilate
Concen: 7.228 ppbv
RT: 8.00 min Scan# 1622
Delta R.T. -0.02 min
Lab File: VL035890.D
Acq: 6 Nov 2020 16:03

Tot Ion	Ratio	Lower	Upper
69	100		
41	105.1	81.1	121.7
100	37.2	31.0	46.4

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

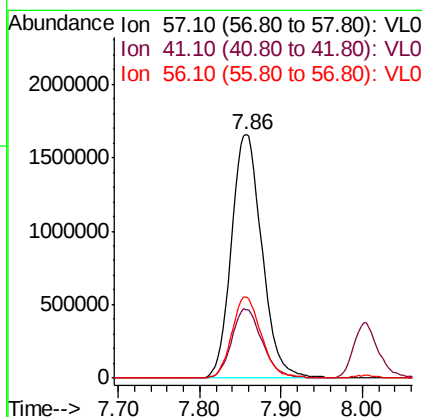
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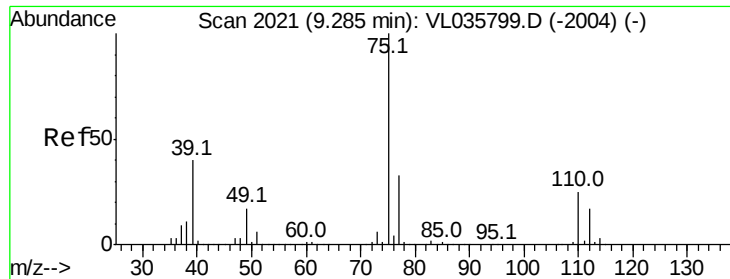
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#44
2,2,4-Trimethylpentane
Concen: 11.802 ppbv
RT: 7.86 min Scan# 1577
Delta R.T. -0.02 min
Lab File: VL035890.D
Acq: 6 Nov 2020 16:03

Tgt Ion	Ratio	Lower	Upper
57	100		
41	28.5	21.0	31.4
56	32.5	25.4	38.0





#45

t-1,3-Dichloropropene

Concen: 10.290 ppbv

RT: 9.27 min Scan# 2015

Delta R.T. -0.02 min

Lab File: VL035890.D

Acq: 6 Nov 2020 16:03

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 75 Resp: 1151120

Ion Ratio Lower Upper

75 100

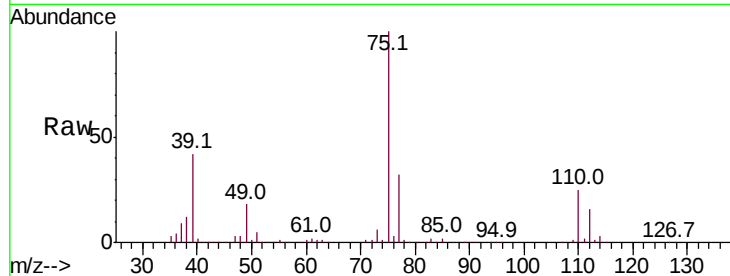
77 31.5 26.4 39.6

Manual Integrations

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Abundance Ion 75.10 (74.80 to 75.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

9.27

600000

500000

400000

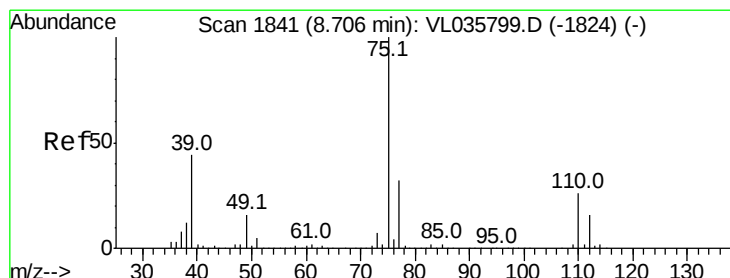
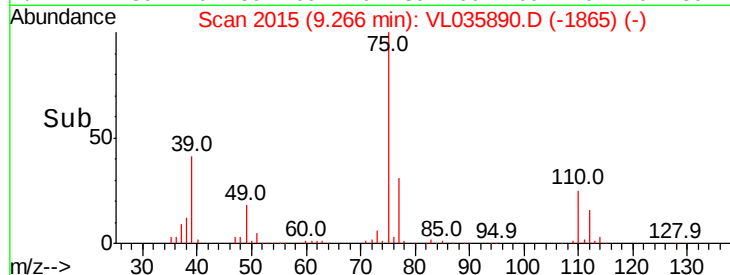
300000

200000

100000

0

Time-->



#46

cis-1,3-Dichloropropene

Concen: 10.632 ppbv

RT: 8.69 min Scan# 1836

Delta R.T. -0.02 min

Lab File: VL035890.D

Acq: 6 Nov 2020 16:03

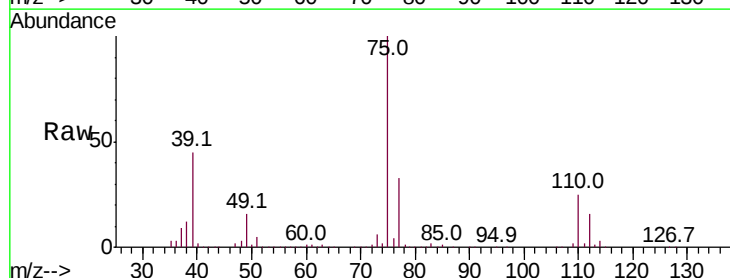
Tgt Ion: 75 Resp: 1506310

Ion Ratio Lower Upper

75 100

39 44.9 35.1 52.7

77 32.5 25.7 38.5



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

8.69

800000

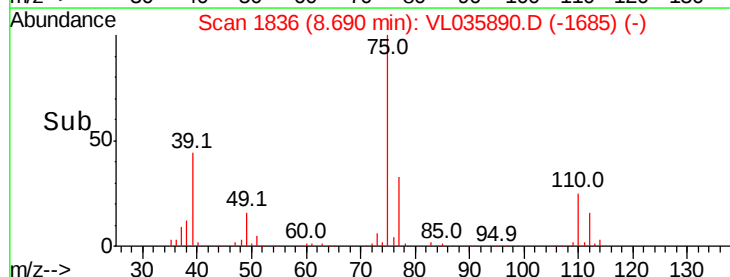
600000

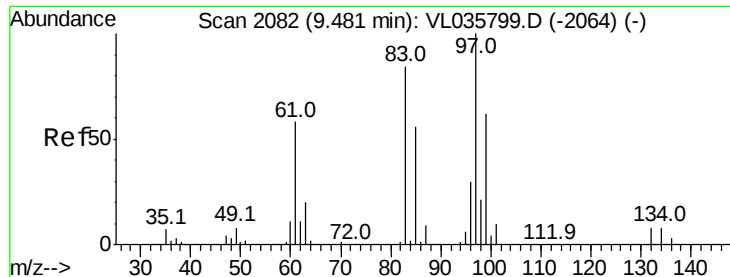
400000

200000

0

Time-->





#47
 1,1,2-Trichloroethane
 Concen: 11.096 ppbv
 RT: 9.46 min Scan# 2076
 Delta R.T. -0.02 min
 Lab File: VL035890.D
 Acq: 6 Nov 2020 16:03

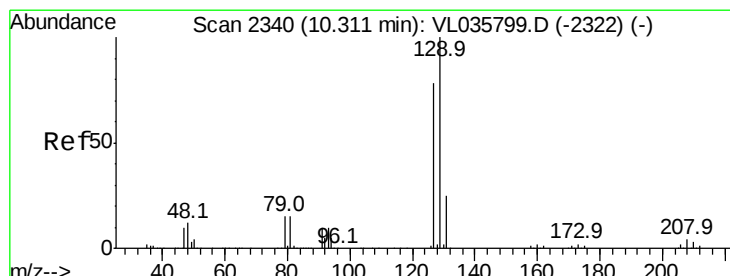
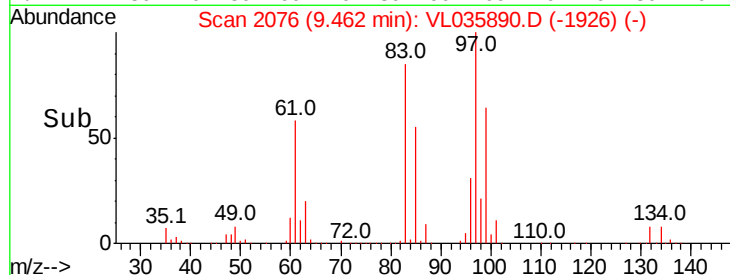
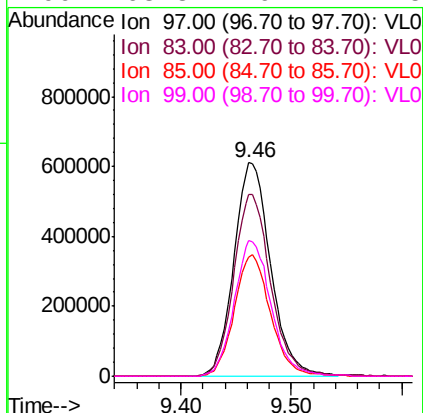
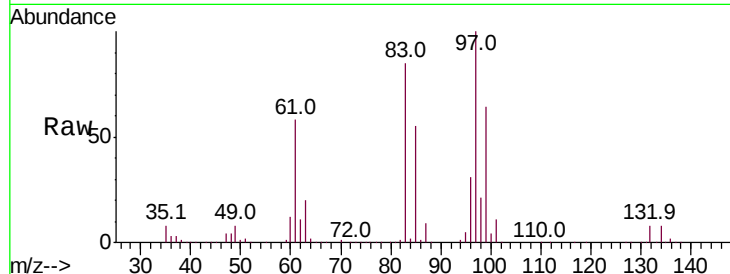
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion: 97 Resp: 1408303

Ion	Ratio	Lower	Upper
97	100		
83	85.2	67.1	100.7
85	55.5	44.7	67.1
99	63.8	49.7	74.5

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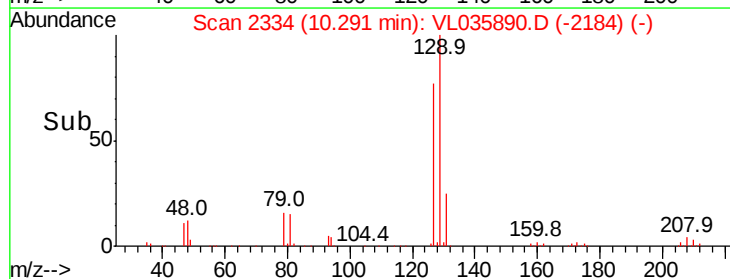
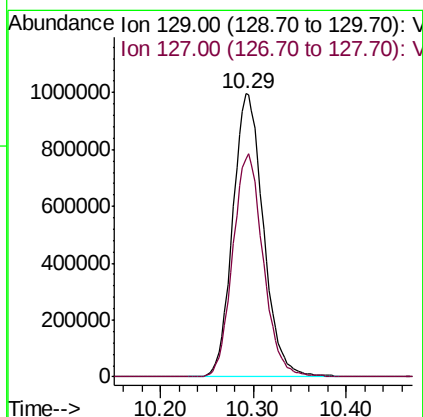
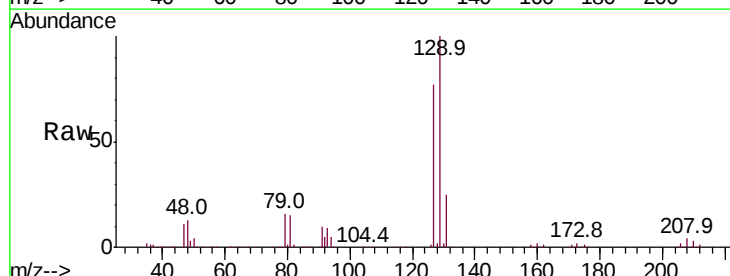
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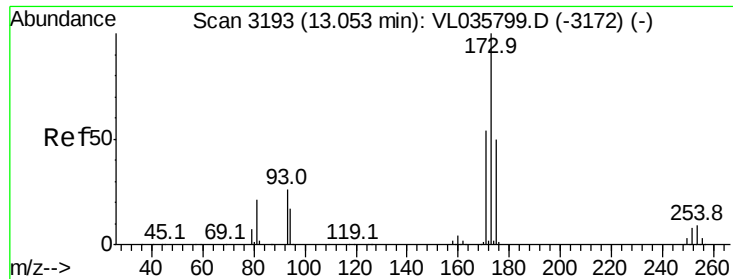


#48
 Dibromochloromethane
 Concen: 11.782 ppbv
 RT: 10.29 min Scan# 2334
 Delta R.T. -0.02 min
 Lab File: VL035890.D
 Acq: 6 Nov 2020 16:03

Tgt Ion: 129 Resp: 2284531

Ion	Ratio	Lower	Upper
129	100		
127	78.4	39.2	117.6





#49

Bromoform

Concen: 10.290 ppbv

RT: 13.03 min Scan# 3186

Delta R.T. -0.02 min

Lab File: VL035890.D

Acq: 6 Nov 2020 16:03

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:173 Resp: 1683590

Ion Ratio Lower Upper

173 100

175 49.7 40.1 60.1

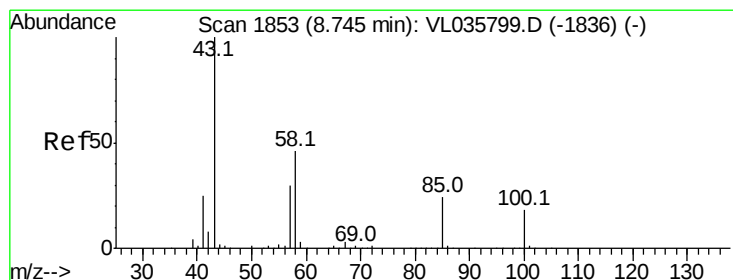
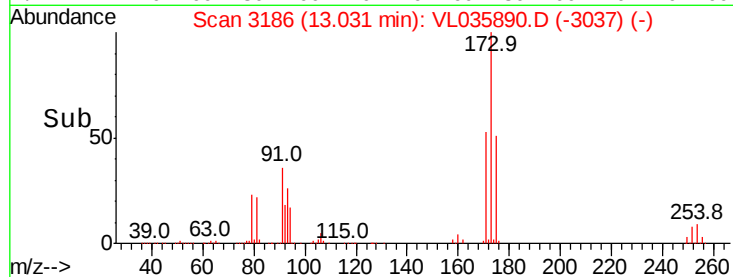
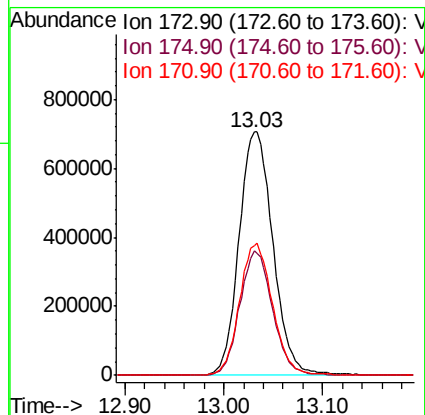
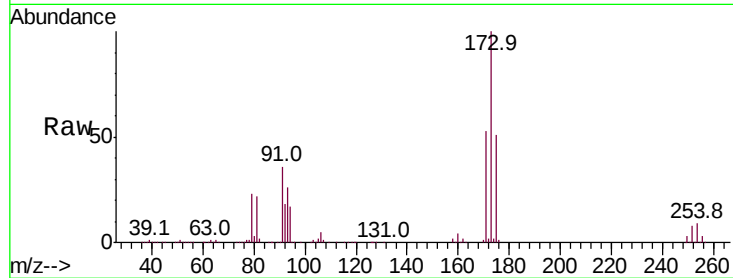
171 53.3 42.6 63.8

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#50

4-Methyl-2-Pentanone

Concen: 3.949 ppbv

RT: 8.74 min Scan# 1850

Delta R.T. -0.01 min

Lab File: VL035890.D

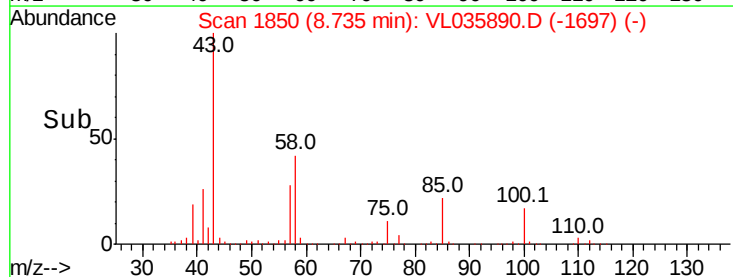
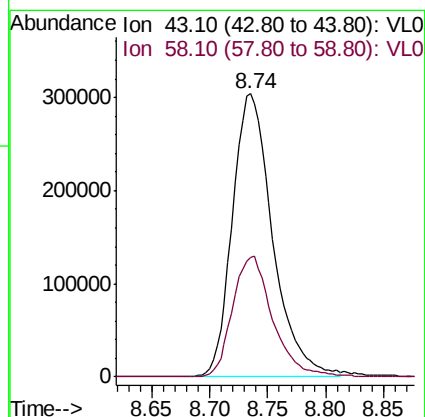
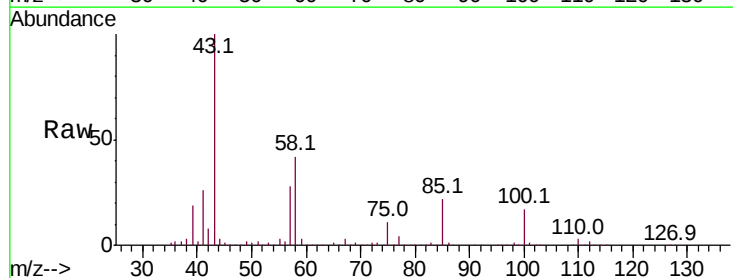
Acq: 6 Nov 2020 16:03

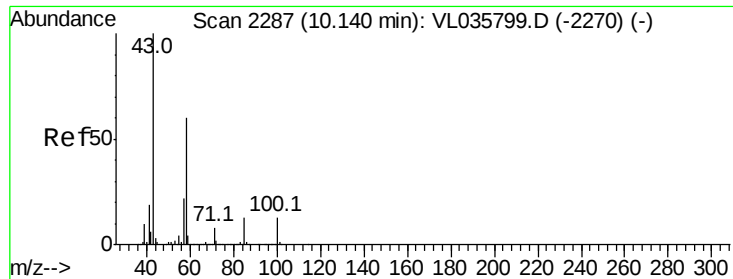
Tgt Ion: 43 Resp: 729324

Ion Ratio Lower Upper

43 100

58 42.9 36.0 54.0





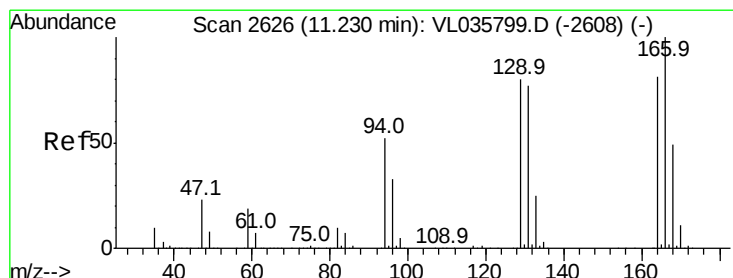
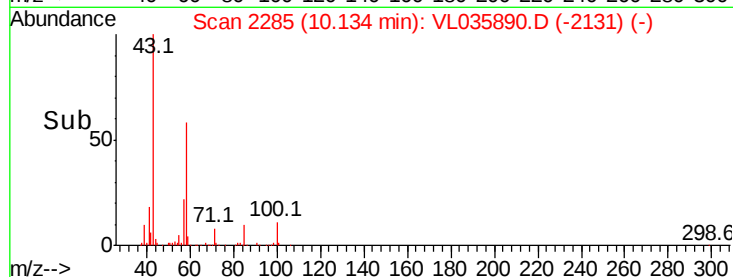
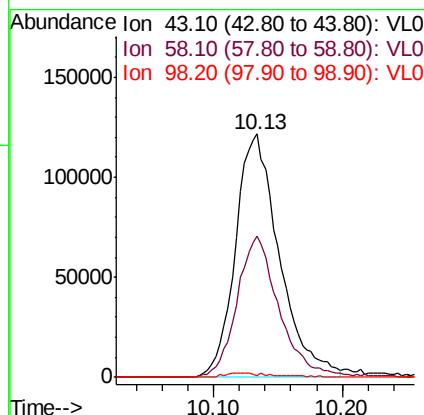
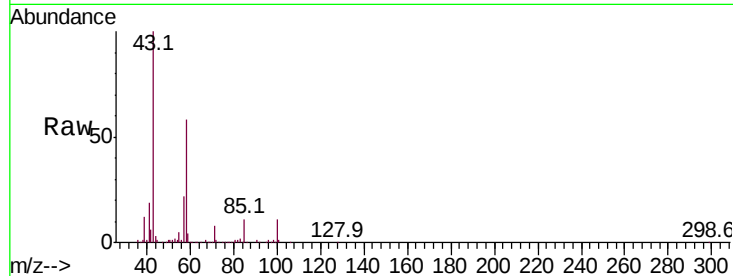
#51
2-Hexanone
Concen: 1.936 ppbv
RT: 10.13 min Scan# 2285
Delta R.T. -0.01 min
Lab File: VL035890.D
Acq: 6 Nov 2020 16:03

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
43	100		
58	56.3	48.3	72.5
98	2.2	0.6	0.8

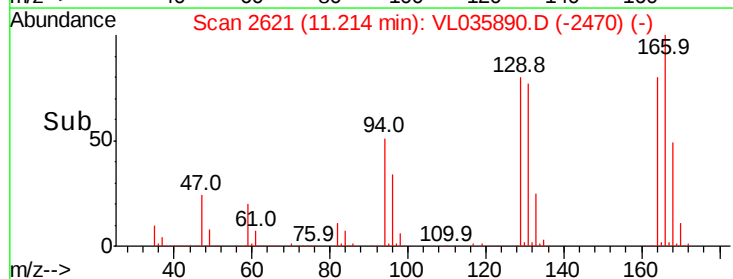
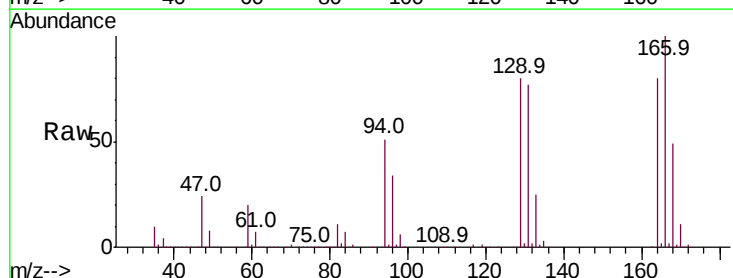
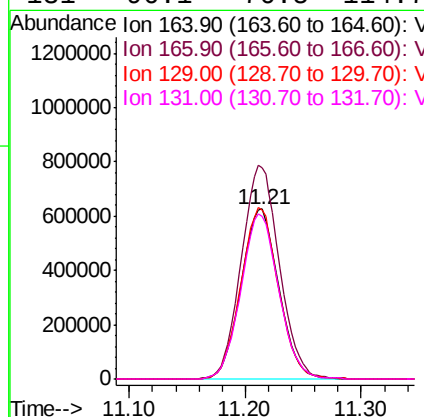
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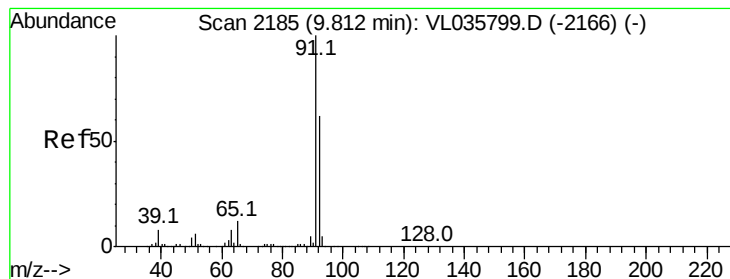
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#52
Tetrachloroethene
Concen: 10.776 ppbv
RT: 11.21 min Scan# 2621
Delta R.T. -0.02 min
Lab File: VL035890.D
Acq: 6 Nov 2020 16:03

Tgt Ion	Ratio	Lower	Upper
164	100		
166	124.3	99.3	148.9
129	99.4	79.3	118.9
131	96.1	76.5	114.7





#53

Toluene

Concen: 11.666 ppbv

RT: 9.79 min Scan# 2179

Delta R.T. -0.02 min

Lab File: VL035890.D

Acq: 6 Nov 2020 16:03

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 91 Resp: 3894465

Ion Ratio Lower Upper

91 100

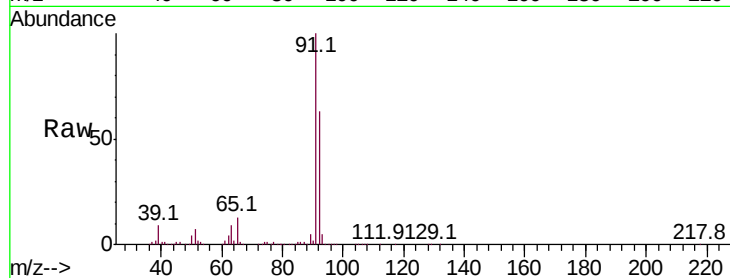
92 61.8 49.8 74.6

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Abundance Ion 91.10 (90.80 to 91.80): VL0

2000000 Ion 92.10 (91.80 to 92.80): VL0

1500000

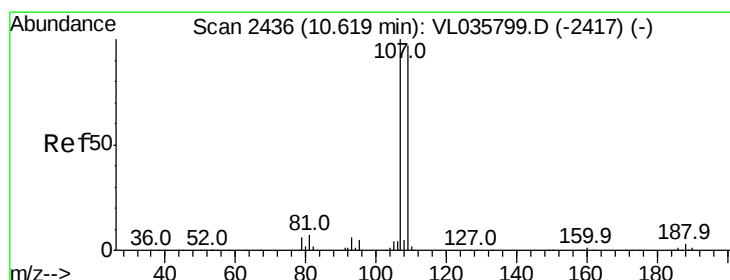
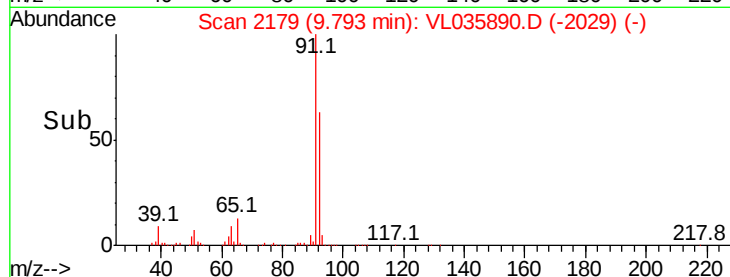
1000000

500000

0

9.70 9.80 9.90

Time-->



#54

1,2-Dibromoethane

Concen: 10.367 ppbv

RT: 10.60 min Scan# 2430

Delta R.T. -0.02 min

Lab File: VL035890.D

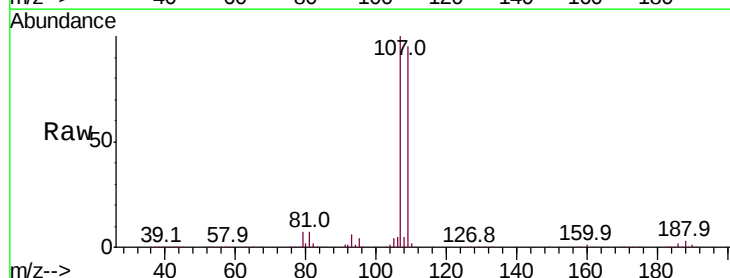
Acq: 6 Nov 2020 16:03

Tgt Ion: 107 Resp: 2000903

Ion Ratio Lower Upper

107 100

109 95.2 77.2 115.8



Abundance Ion 107.00 (106.70 to 107.70): V

1000000 Ion 109.00 (108.70 to 109.70): V

800000

600000

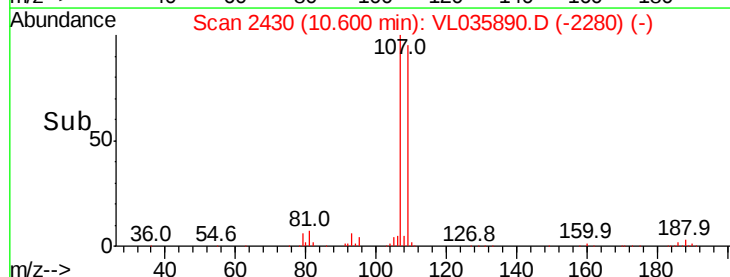
400000

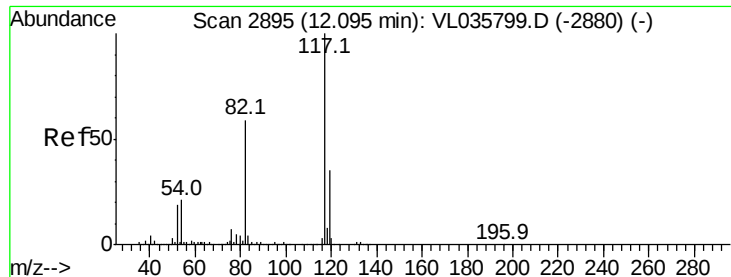
200000

0

10.50 10.60 10.70

Time-->





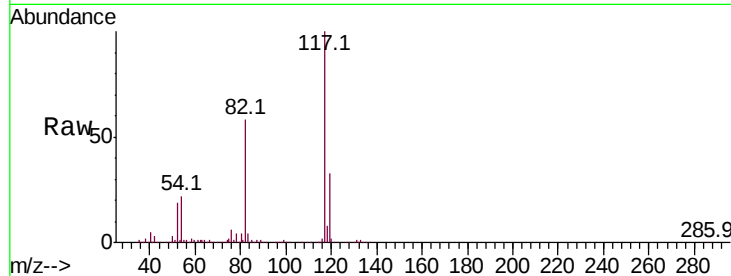
#55
Chlorobenzene-d5
Concen: 10.000 ppbv m
RT: 12.07 min Scan# 2888
Delta R.T. -0.02 min
Lab File: VL035890.D
Acq: 6 Nov 2020 16:03

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

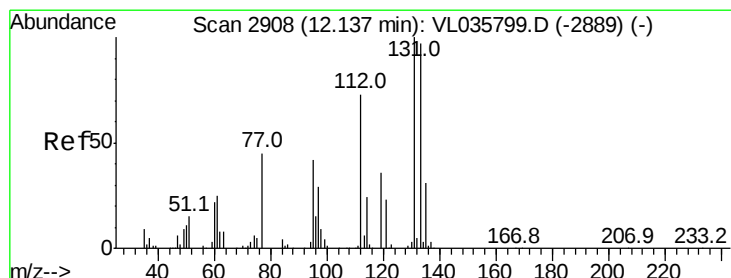
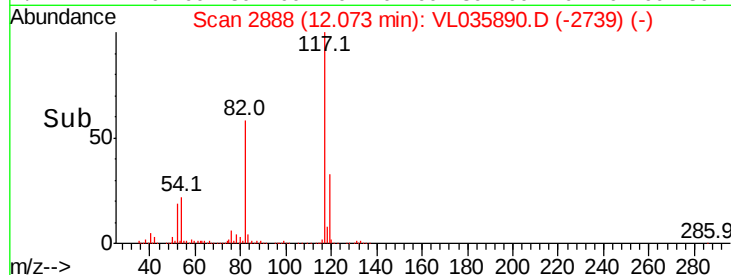
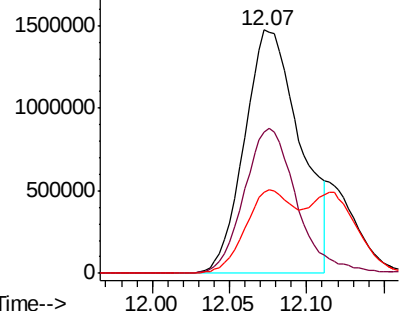
Tot Ion:117 Resp: 3704008
Ion Ratio Lower Upper
117 100
82 56.3 50.6 76.0
119 31.7 52.6 78.8#

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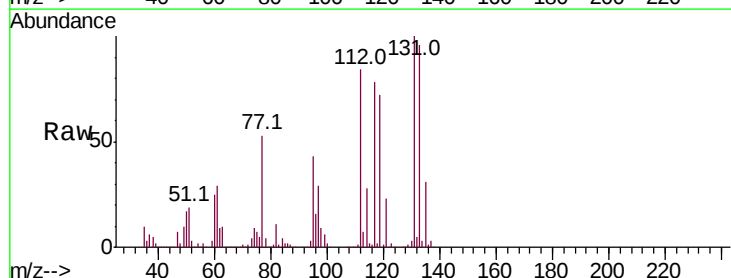


Abundance Ion 117.10 (116.80 to 117.80): V
2000000
Ion 82.10 (81.80 to 82.80): VL0
Ion 119.10 (118.80 to 119.80): V

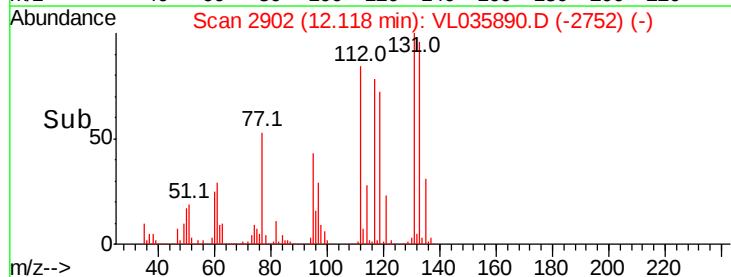
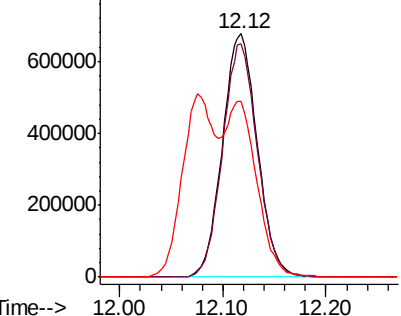


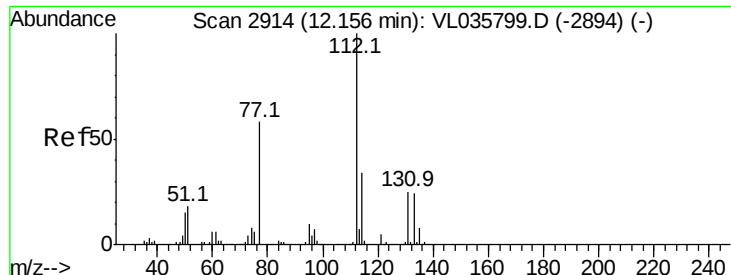
#56
1,1,1,2-Tetrachloroethane
Concen: 9.561 ppbv
RT: 12.12 min Scan# 2902
Delta R.T. -0.02 min
Lab File: VL035890.D
Acq: 6 Nov 2020 16:03

Tgt Ion:131 Resp: 1589448
Ion Ratio Lower Upper
131 100
133 96.1 76.8 115.2
119 64.4 47.4 71.0



Abundance Ion 131.00 (130.70 to 131.70): V
800000
Ion 133.00 (132.70 to 133.70): V
Ion 119.00 (118.70 to 119.70): V





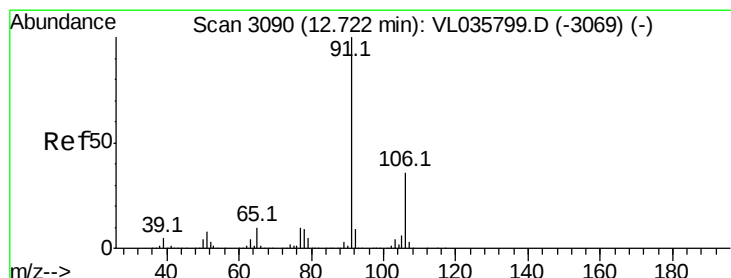
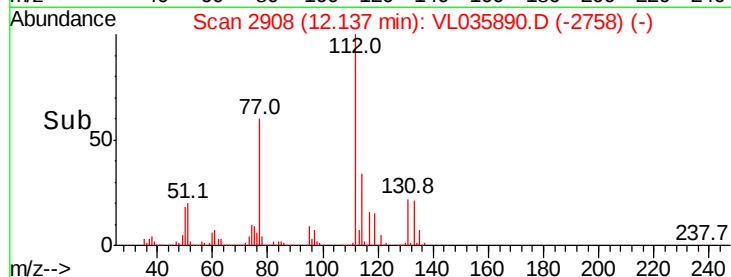
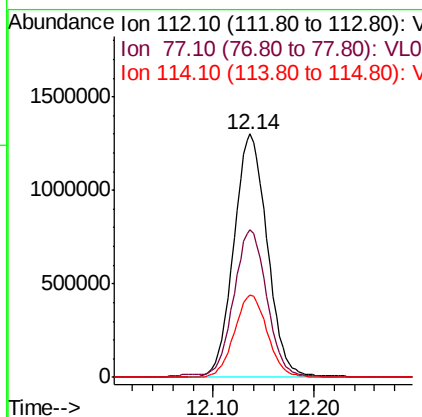
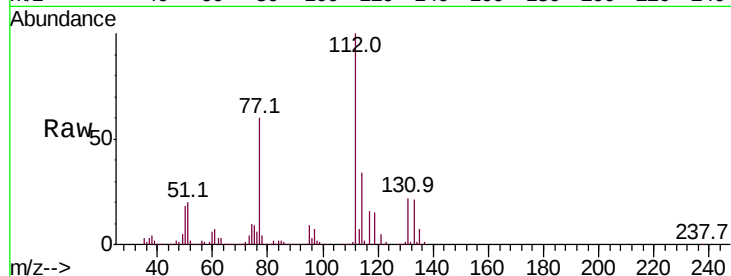
#57
Chlorobenzene
Concen: 10.186 ppbv
RT: 12.14 min Scan# 2908
Delta R.T. -0.02 min
Lab File: VL035890.D
Acq: 6 Nov 2020 16:03

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 112 Resp: 2999895
Ion Ratio Lower Upper
112 100
77 60.1 47.5 71.3
114 33.6 30.3 37.1

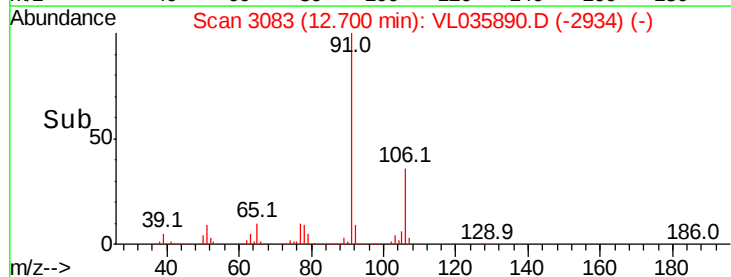
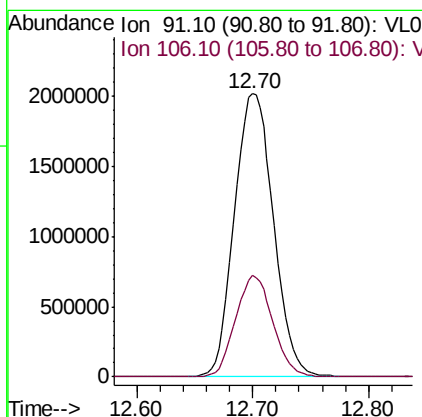
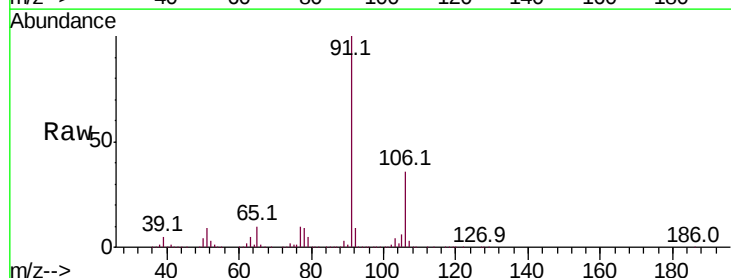
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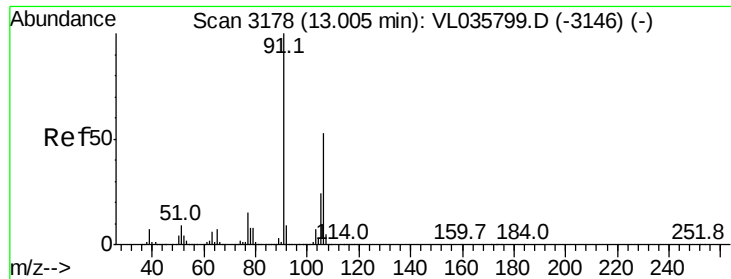
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#58
Ethyl Benzene
Concen: 10.471 ppbv
RT: 12.70 min Scan# 3083
Delta R.T. -0.02 min
Lab File: VL035890.D
Acq: 6 Nov 2020 16:03

Tgt Ion: 91 Resp: 4723580
Ion Ratio Lower Upper
91 100
106 35.7 28.6 43.0





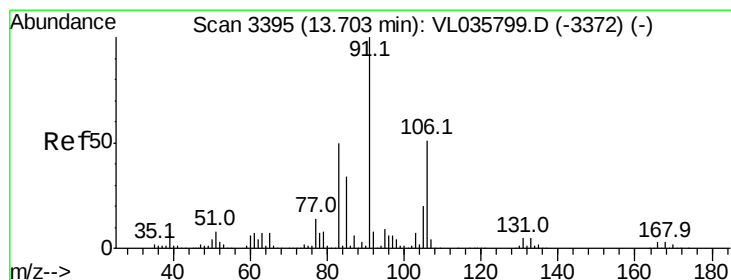
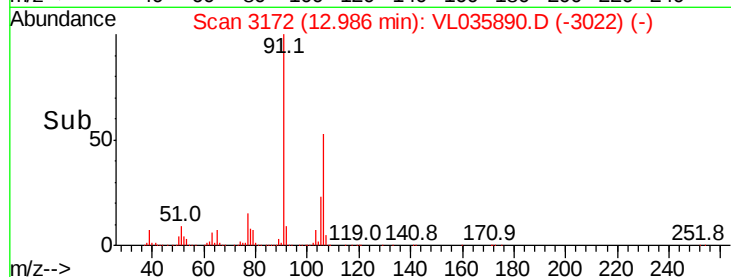
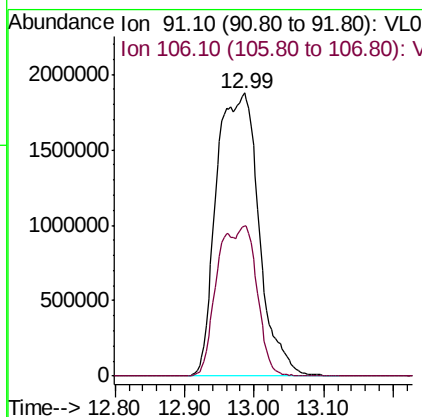
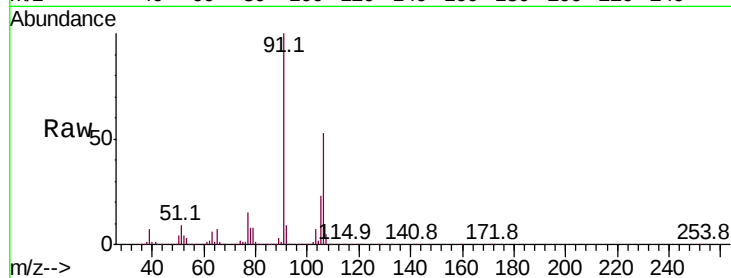
#59
m/p-Xylene
Concen: 20.841 ppbv m
RT: 12.99 min Scan# 3172
Delta R.T. -0.02 min
Lab File: VL035890.D
Acq: 6 Nov 2020 16:03

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 91 Resp: 7954428
Ion Ratio Lower Upper
91 100
106 49.4 39.5 59.3

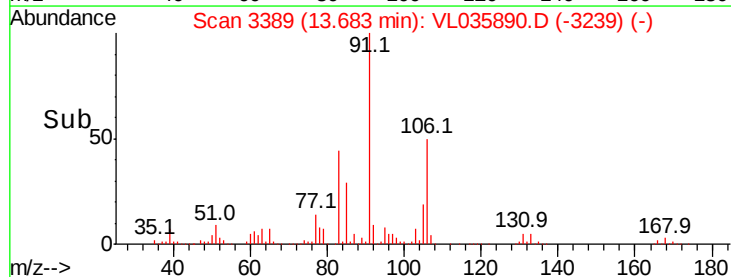
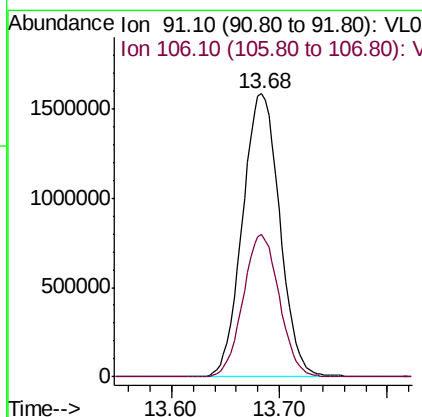
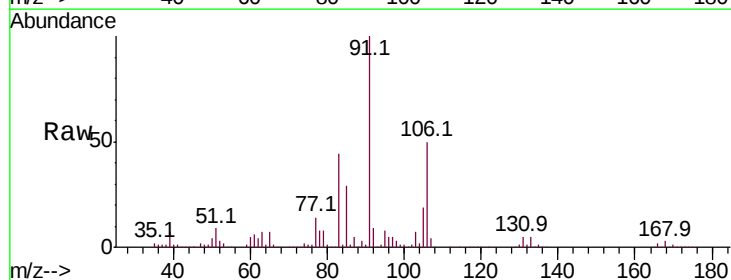
Manual Integrations
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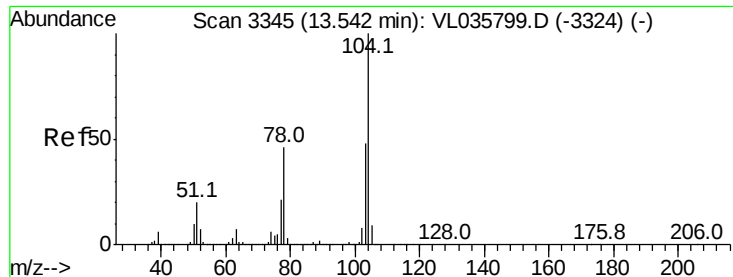
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#60
o-Xylene
Concen: 10.222 ppbv
RT: 13.68 min Scan# 3389
Delta R.T. -0.02 min
Lab File: VL035890.D
Acq: 6 Nov 2020 16:03

Tgt Ion: 91 Resp: 3795366
Ion Ratio Lower Upper
91 100
106 49.1 24.8 74.4





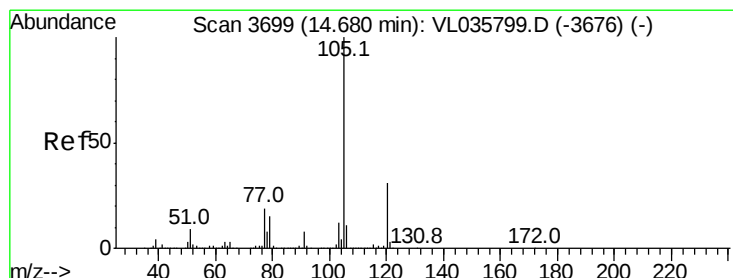
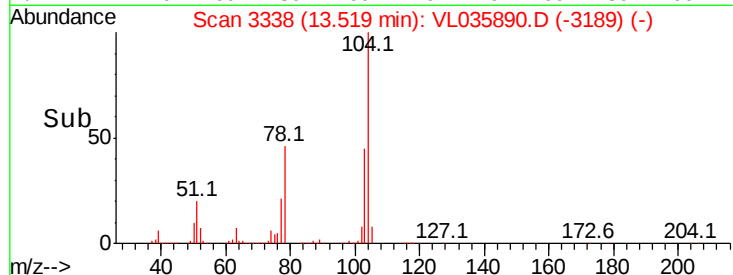
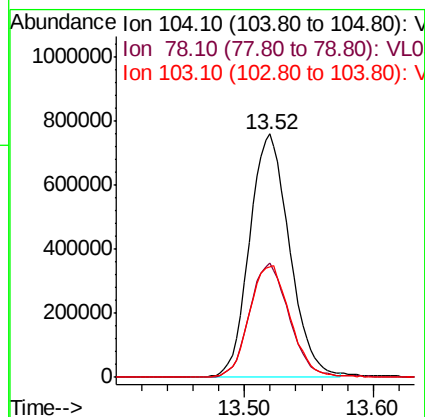
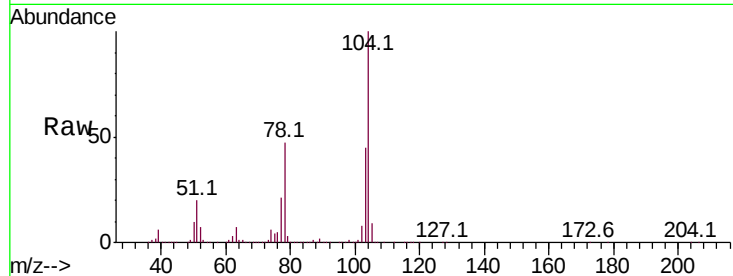
#61
Stvrene
Concen: 6.032 ppbv
RT: 13.52 min Scan# 3338
Delta R.T. -0.02 min
Lab File: VL035890.D
Acq: 6 Nov 2020 16:03

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
104	100		
78	46.9	37.1	55.7
103	47.2	37.9	56.9

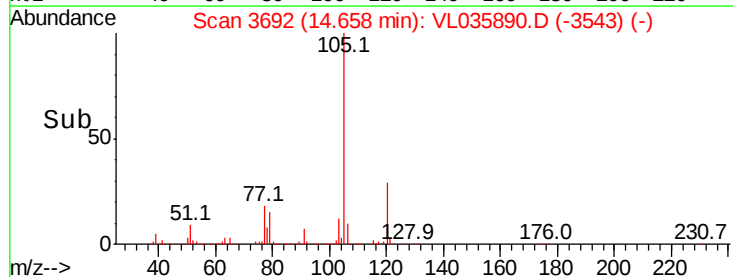
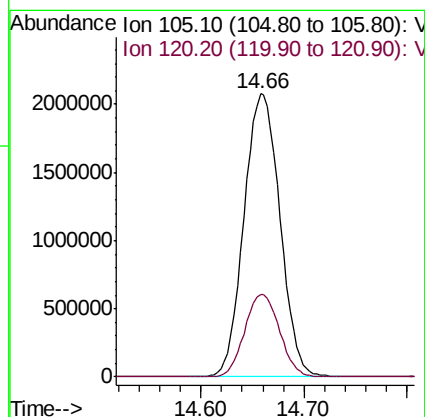
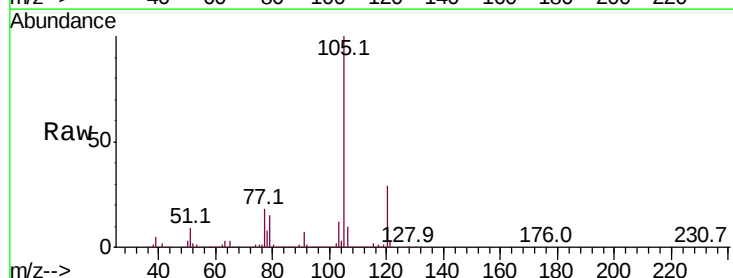
Manual Integrations
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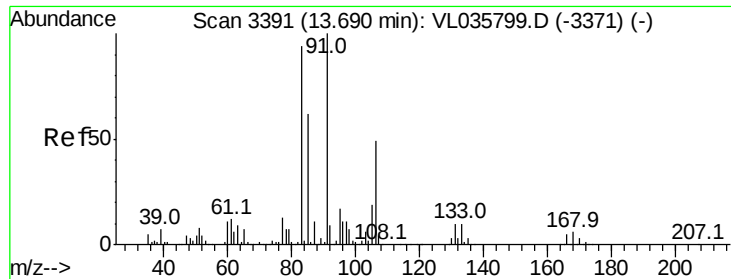
MMDadoda
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#62
Isopropylbenzene
Concen: 8.639 ppbv
RT: 14.66 min Scan# 3692
Delta R.T. -0.02 min
Lab File: VL035890.D
Acq: 6 Nov 2020 16:03

Tgt Ion	Ratio	Lower	Upper
105	100		
120	28.4	23.5	35.3





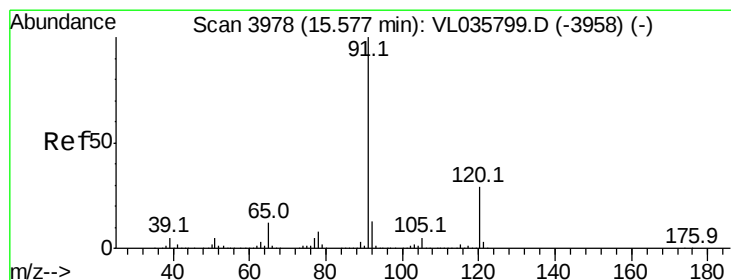
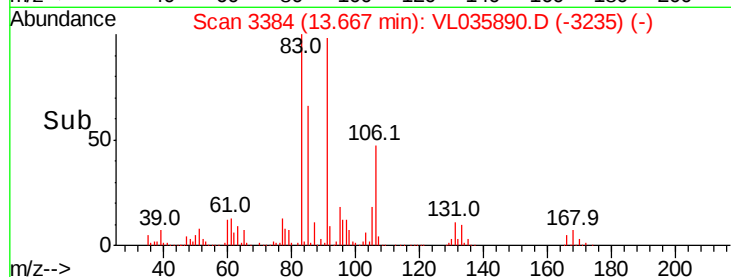
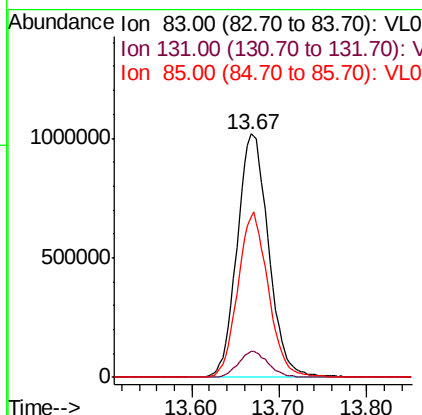
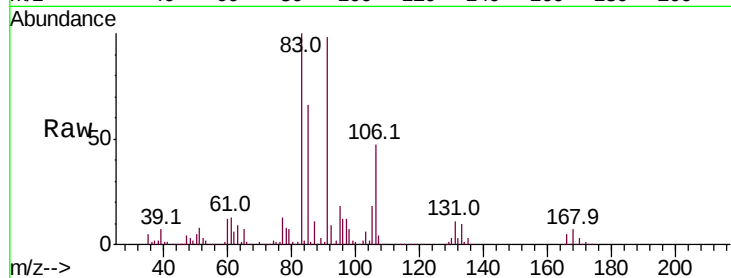
#63
1,1,2,2-Tetrachloroethane
Concen: 8.842 ppbv
RT: 13.67 min Scan# 3384
Delta R.T. -0.02 min
Lab File: VL035890.D
Acq: 6 Nov 2020 16:03

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 83 Resp: 2543808
Ion Ratio Lower Upper
83 100
131 10.3 5.3 15.8
85 65.8 33.5 100.4

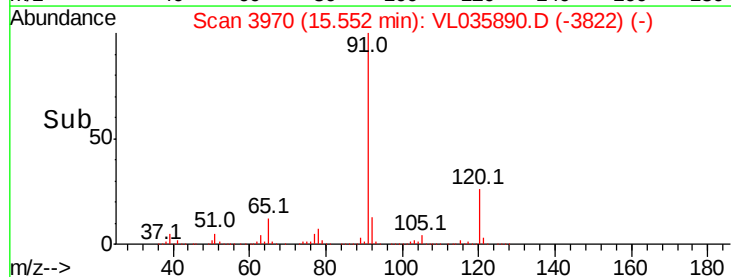
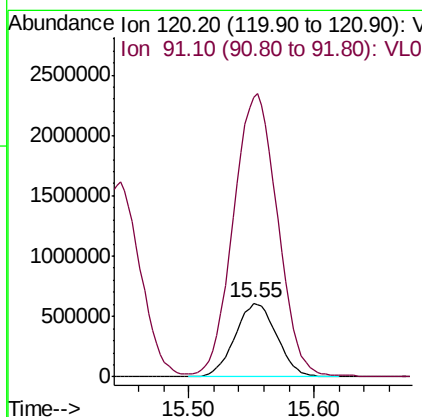
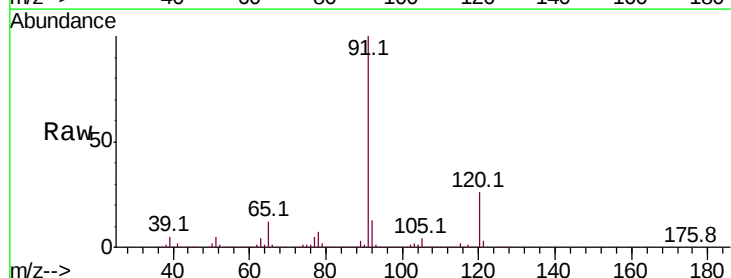
Manual Integrations
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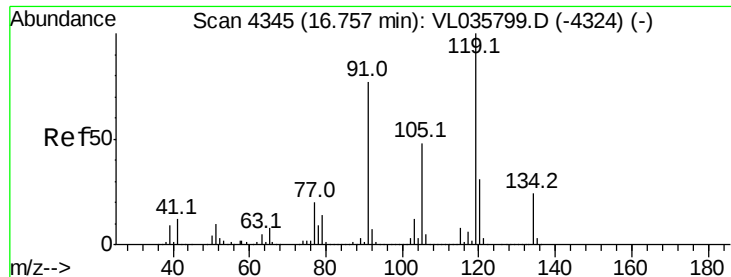
MMDadoda
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#64
n-propylbenzene
Concen: 8.325 ppbv
RT: 15.55 min Scan# 3970
Delta R.T. -0.03 min
Lab File: VL035890.D
Acq: 6 Nov 2020 16:03

Tgt Ion:120 Resp: 1404204
Ion Ratio Lower Upper
120 100
91 409.8 311.1 466.7





#65

tert-Butylbenzene

Concen: 8.509 ppbv

RT: 16.74 min Scan# 4339

Delta R.T. -0.02 min

Lab File: VL035890.D

Acq: 6 Nov 2020 16:03

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:119 Resp: 4519569

Ion Ratio Lower Upper

119 100

91 77.6 62.0 93.0

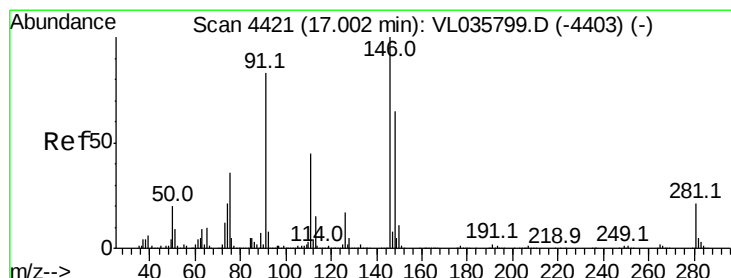
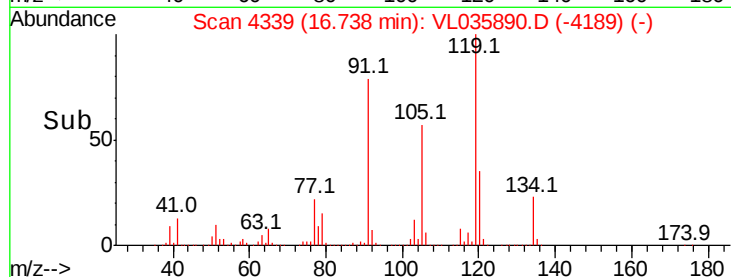
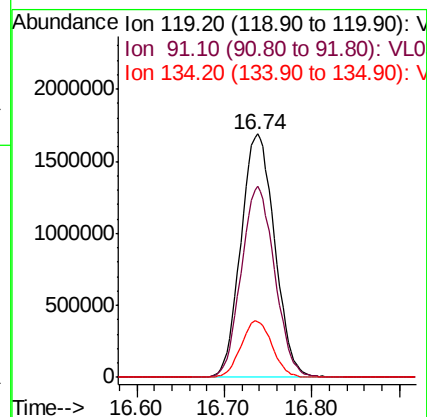
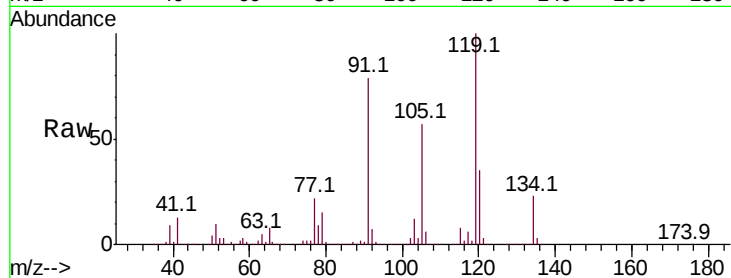
134 21.4 17.8 26.8

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#66

Benzyl Chloride

Concen: 3.361 ppbv

RT: 16.98 min Scan# 4415

Delta R.T. -0.02 min

Lab File: VL035890.D

Acq: 6 Nov 2020 16:03

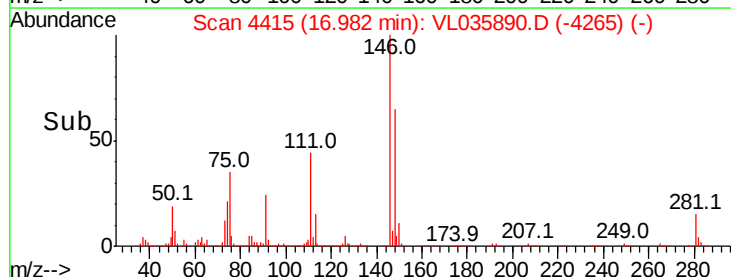
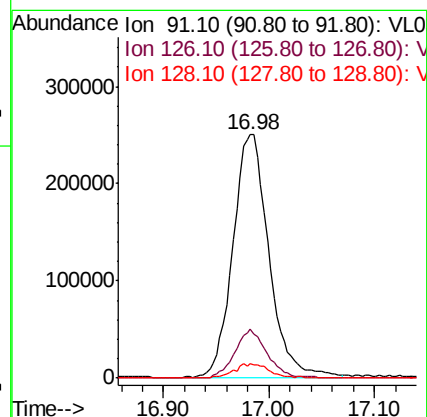
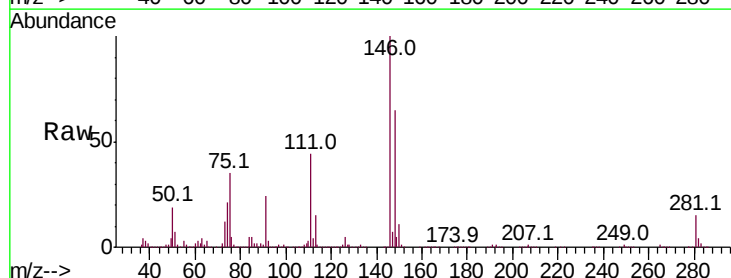
Tgt Ion: 91 Resp: 590062

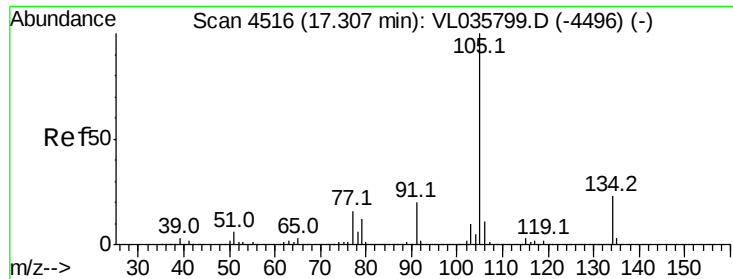
Ion Ratio Lower Upper

91 100

126 18.4 16.0 24.0

128 6.0 5.0 7.4





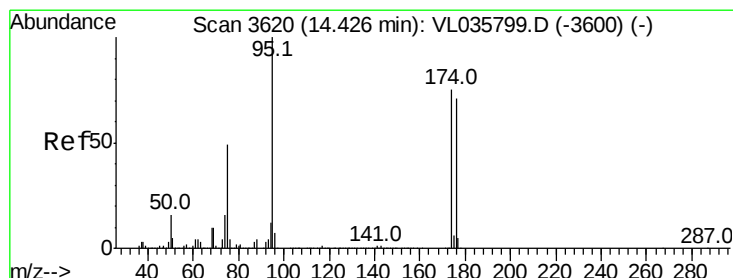
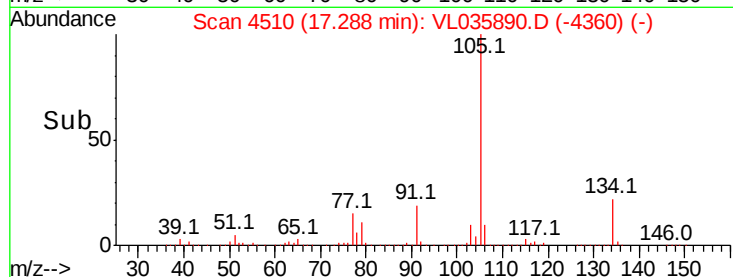
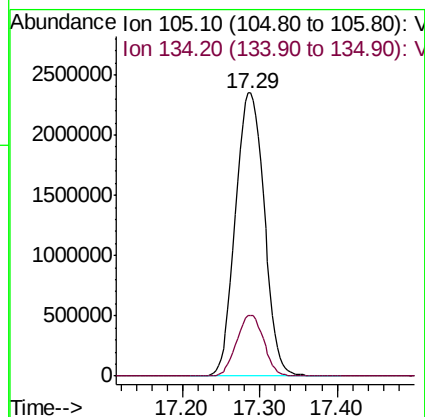
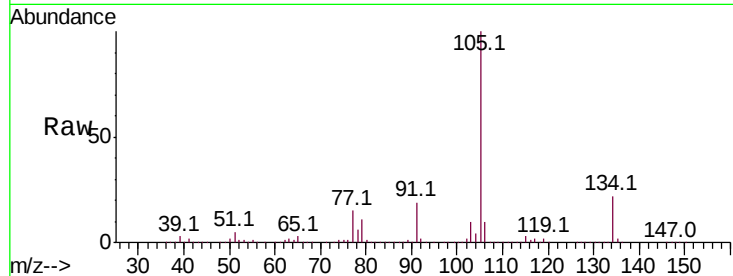
#67
 sec-Butylbenzene
 Concen: 8.472 ppbv
 RT: 17.29 min Scan# 4510
 Delta R.T. -0.02 min
 Lab File: VL035890.D
 Acq: 6 Nov 2020 16:03

Instrument :
 MSVOA_L
 ClientSampleID :
 VSTDCCC010EC

Tot Ion:105 Resp: 6064207
 Ion Ratio Lower Upper
 105 100
 134 20.3 17.0 25.6

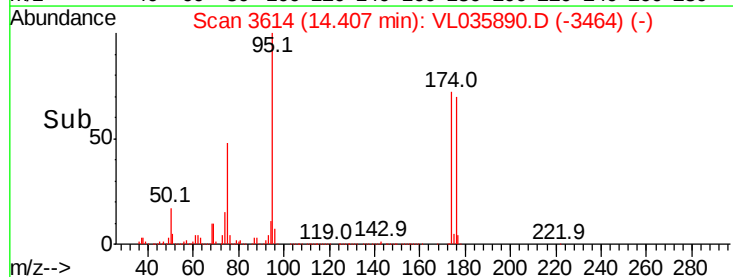
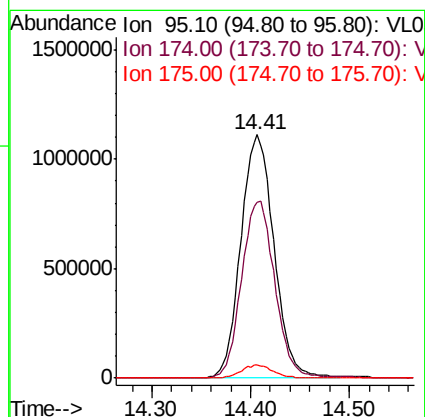
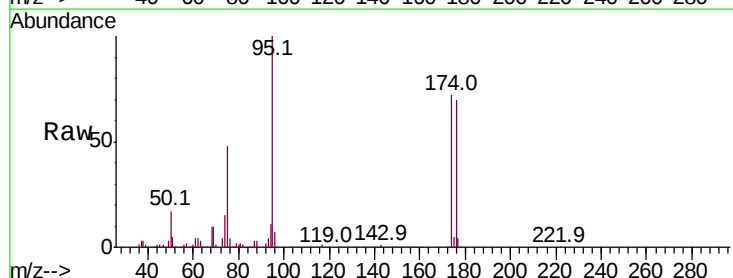
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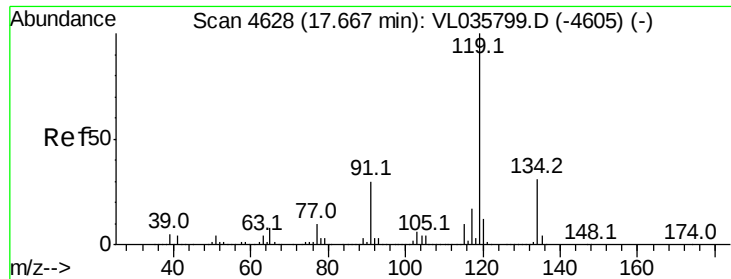
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#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.847 ppbv
 RT: 14.41 min Scan# 3614
 Delta R.T. -0.02 min
 Lab File: VL035890.D
 Acq: 6 Nov 2020 16:03

Tgt Ion: 95 Resp: 2591327
 Ion Ratio Lower Upper
 95 100
 174 73.8 59.8 89.6
 175 5.2 4.3 6.5





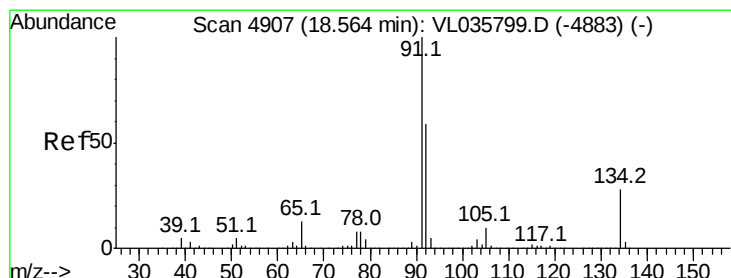
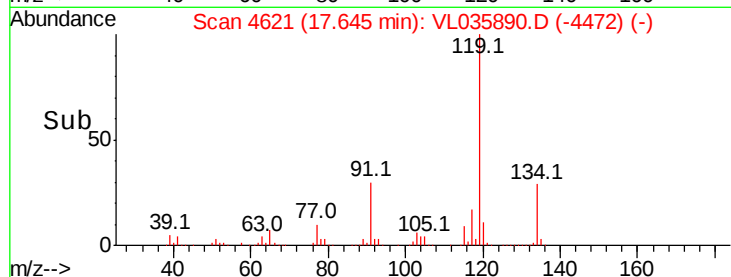
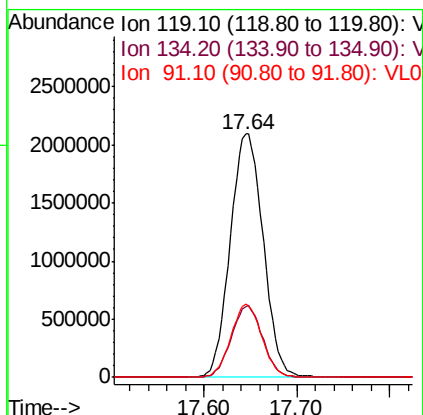
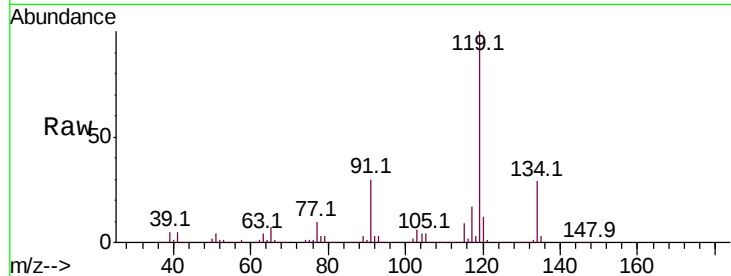
#69
p-Isopropyltoluene
Concen: 8.727 ppbv
RT: 17.64 min Scan# 4621
Delta R.T. -0.02 min
Lab File: VL035890.D
Acq: 6 Nov 2020 16:03

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 119 Resp: 5154835
Ion Ratio Lower Upper
119 100
134 28.0 23.0 34.6
91 28.3 22.8 34.2

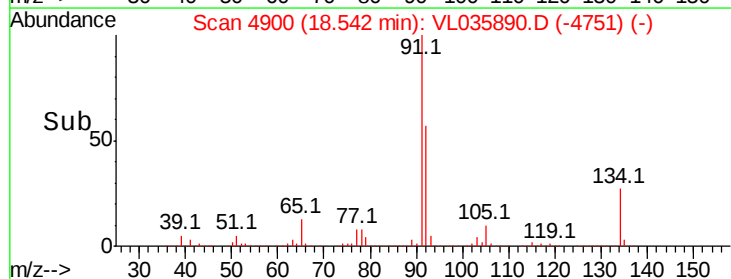
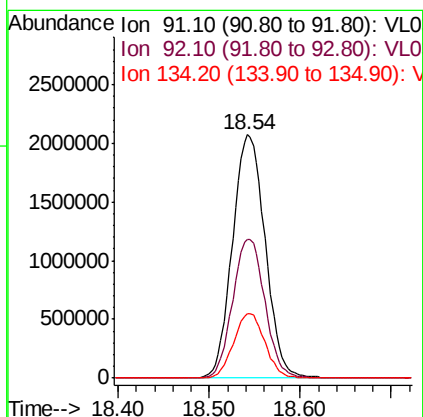
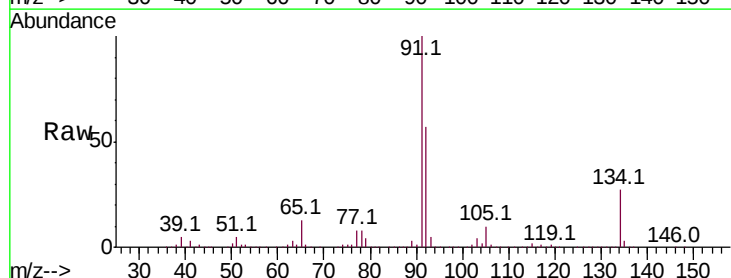
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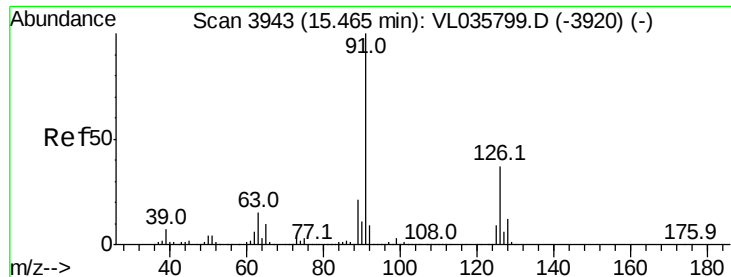
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#70
n-Butylbenzene
Concen: 9.106 ppbv
RT: 18.54 min Scan# 4900
Delta R.T. -0.02 min
Lab File: VL035890.D
Acq: 6 Nov 2020 16:03

Tgt Ion: 91 Resp: 5180082
Ion Ratio Lower Upper
91 100
92 56.4 45.7 68.5
134 25.5 21.0 31.4





#71

2-Chlorotoluene

Concen: 8.860 ppbv

RT: 15.45 min Scan# 3937

Delta R.T. -0.02 min

Lab File: VL035890.D

Acq: 6 Nov 2020 16:03

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 91 Resp: 3782009

Ion Ratio Lower Upper

91 100

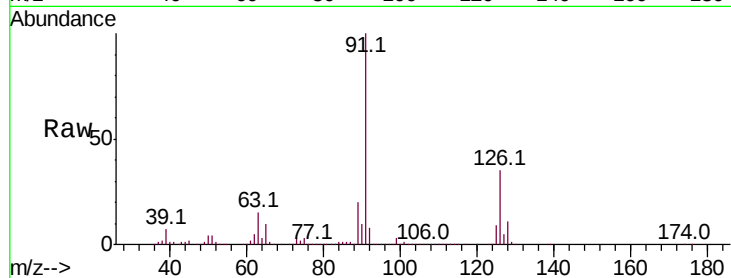
126 34.5 14.3 57.1

Manual Integrations

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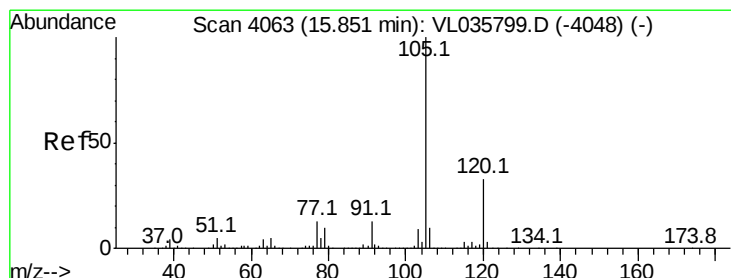
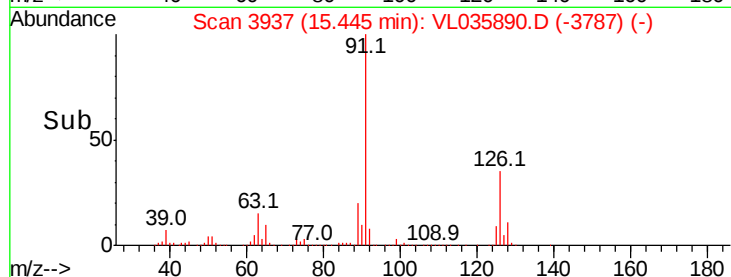
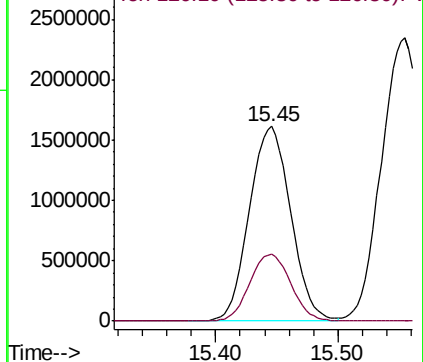
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Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V



#72

4-Ethyltoluene

Concen: 9.932 ppbv

RT: 15.83 min Scan# 4057

Delta R.T. -0.02 min

Lab File: VL035890.D

Acq: 6 Nov 2020 16:03

Tgt Ion:105 Resp: 4472598

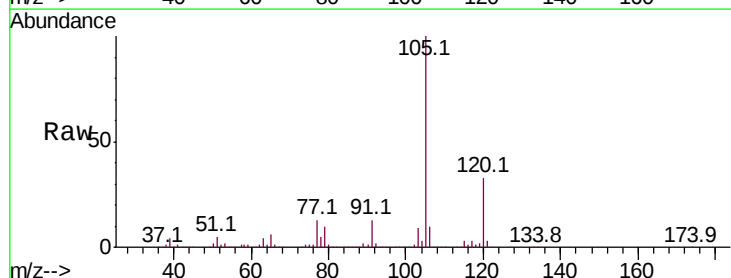
Ion Ratio Lower Upper

105 100

120 32.0 25.9 38.9

91 12.8 9.9 14.9

77 12.7 10.2 15.2

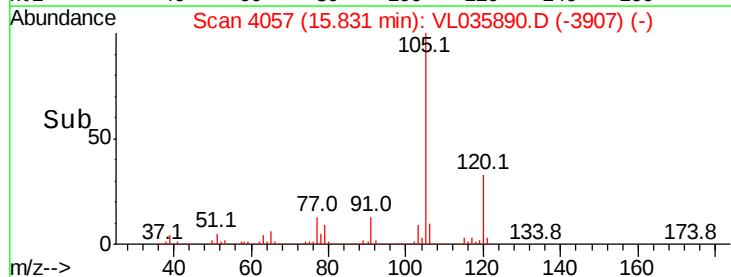
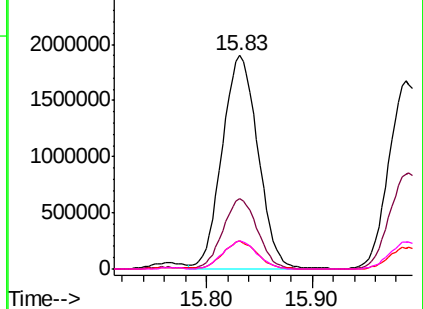


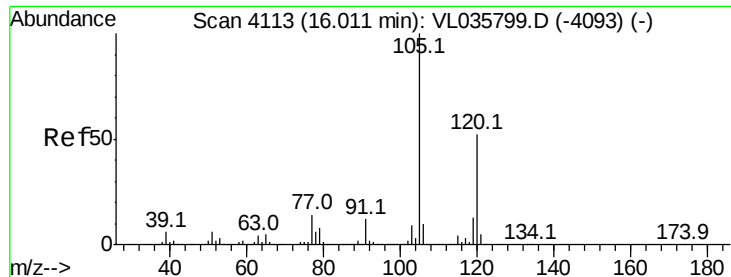
Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0





#73

1,3,5-Trimethylbenzene

Concen: 9.658 ppbv

RT: 15.99 min Scan# 4106

Delta R.T. -0.02 min

Lab File: VL035890.D

Acq: 6 Nov 2020 16:03

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:105 Resp: 3980028

Ion Ratio Lower Upper

105 100

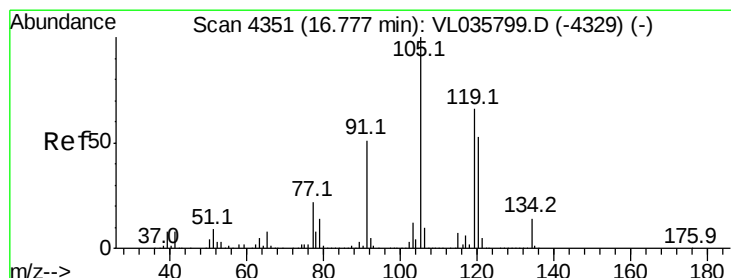
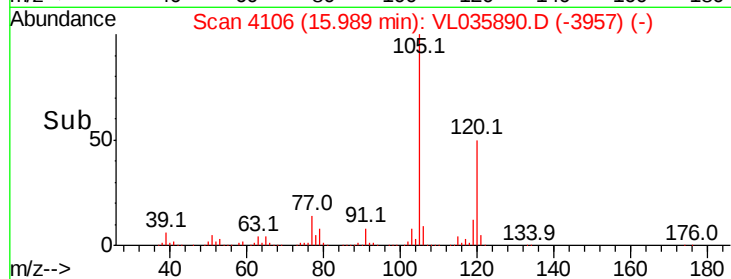
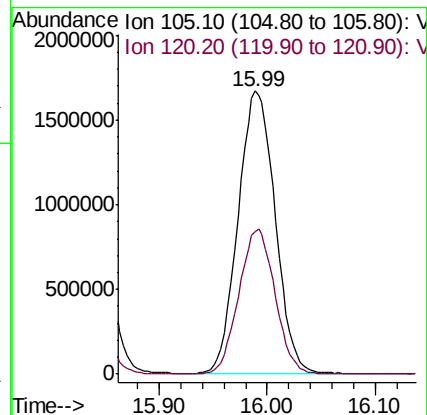
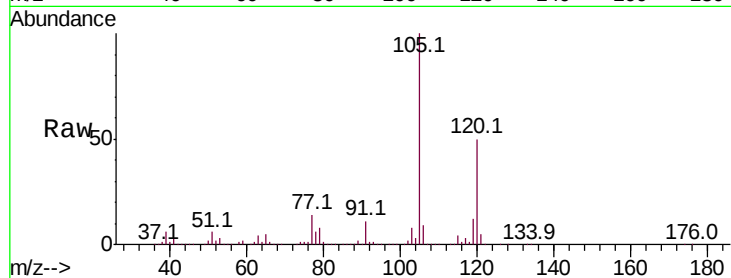
120 50.4 41.4 62.2

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#74

1,2,4-Trimethylbenzene

Concen: 9.482 ppbv

RT: 16.75 min Scan# 4344

Delta R.T. -0.02 min

Lab File: VL035890.D

Acq: 6 Nov 2020 16:03

Tgt Ion:105 Resp: 4187044

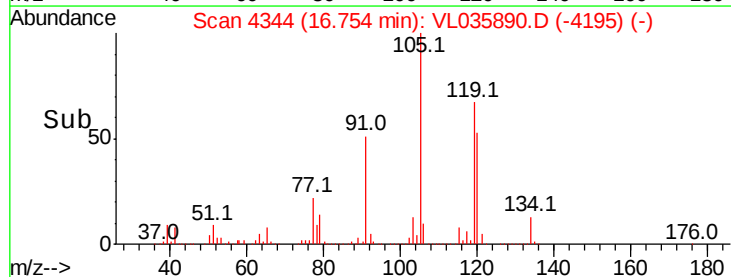
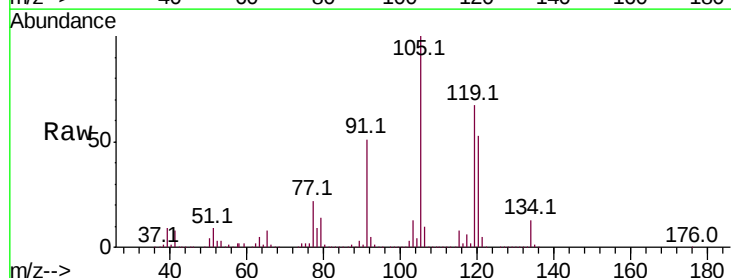
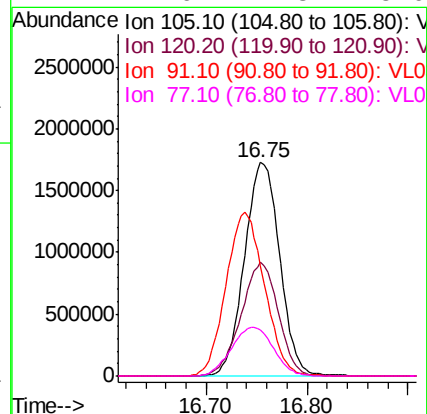
Ion Ratio Lower Upper

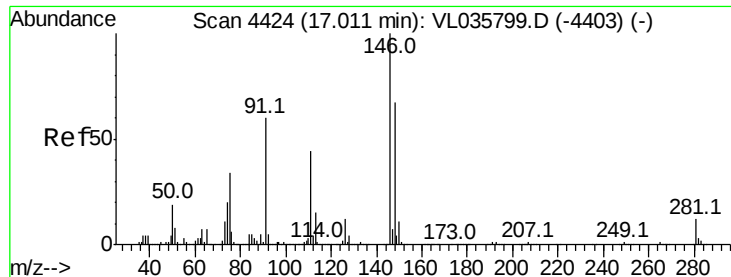
105 100

120 53.0 42.0 63.0

91 51.3 41.0 61.6

77 21.6 17.3 25.9





#75
 1,3-Dichlorobenzene
 Concen: 9.828 ppbv
 RT: 16.99 min Scan# 4417
 Delta R.T. -0.02 min
 Lab File: VL035890.D
 Acq: 6 Nov 2020 16:03

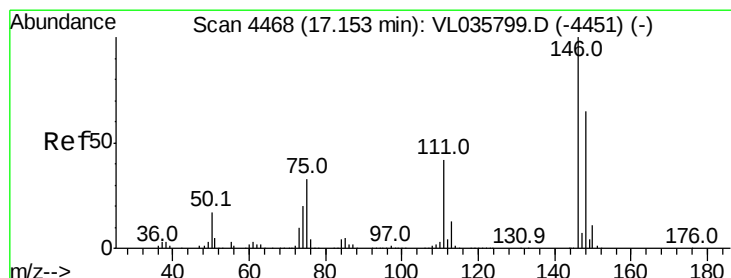
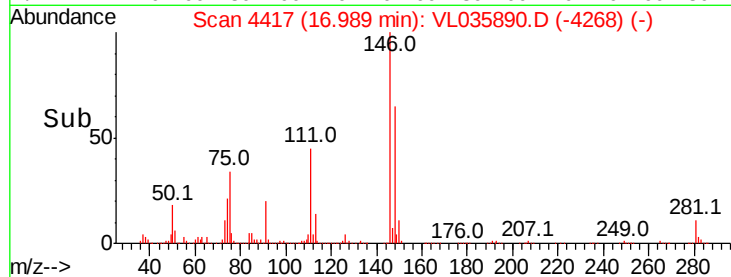
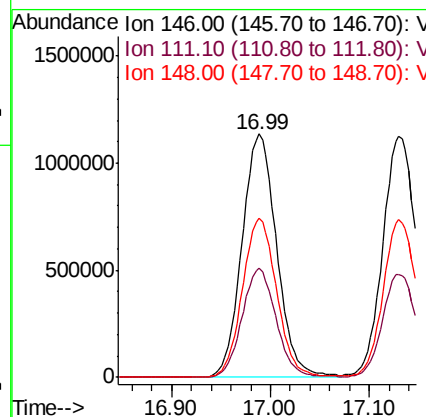
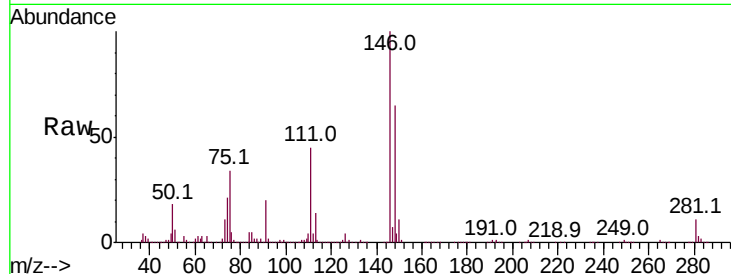
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion:146 Resp: 2763273

Ion	Ratio	Lower	Upper
146	100		
111	44.1	21.8	65.4
148	65.0	32.5	97.5

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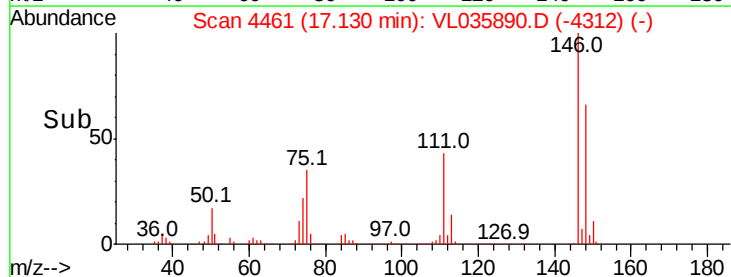
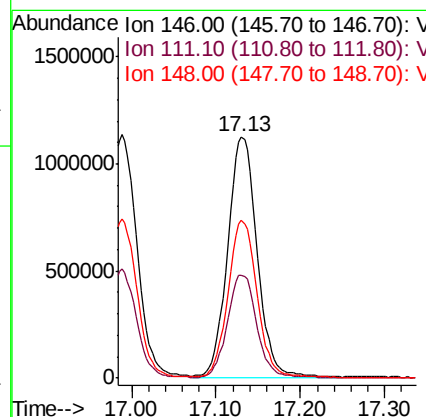
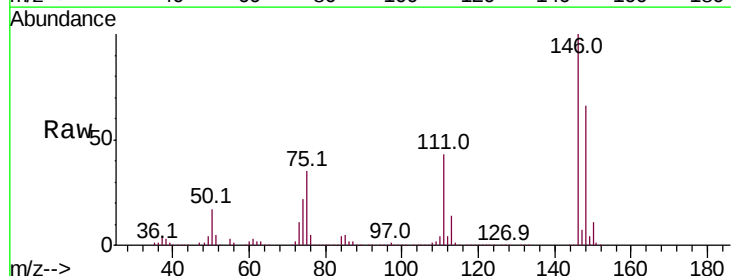
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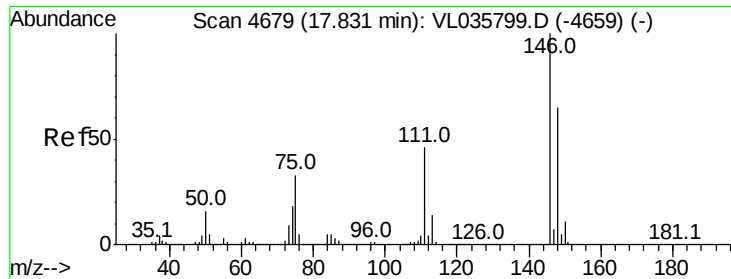


#76
 1,4-Dichlorobenzene
 Concen: 10.049 ppbv
 RT: 17.13 min Scan# 4461
 Delta R.T. -0.02 min
 Lab File: VL035890.D
 Acq: 6 Nov 2020 16:03

Tgt Ion:146 Resp: 2725416

Ion	Ratio	Lower	Upper
146	100		
111	42.8	21.3	63.7
148	64.7	33.0	99.0





#77
 1,2-Dichlorobenzene
 Concen: 9.440 ppbv
 RT: 17.81 min Scan# 4672
 Delta R.T. -0.02 min
 Lab File: VL035890.D
 Acq: 6 Nov 2020 16:03

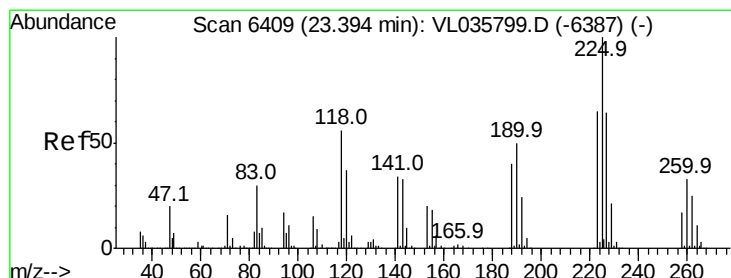
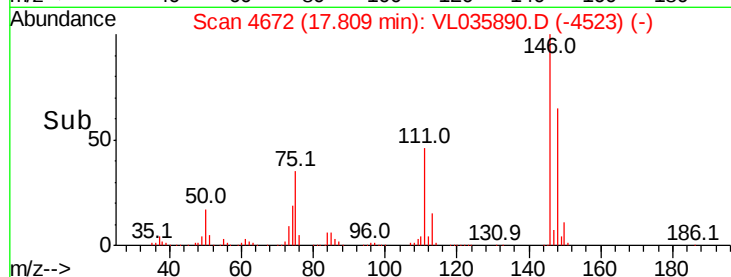
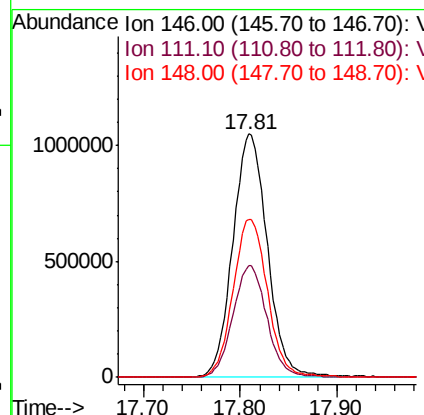
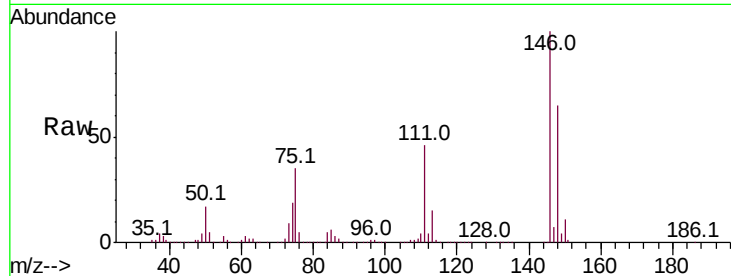
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion:146 Resp: 2587268

Ion	Ratio	Lower	Upper
146	100		
111	45.8	22.4	67.0
148	65.4	32.5	97.5

Manual Integrations
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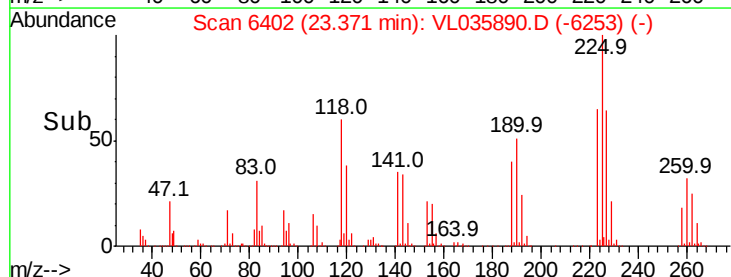
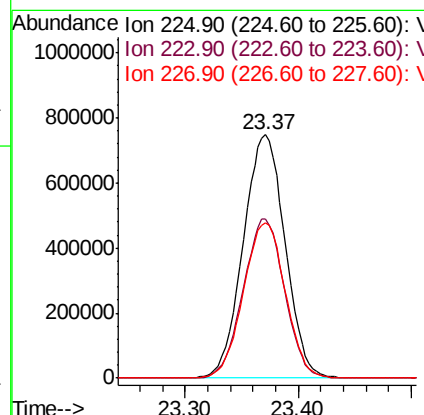
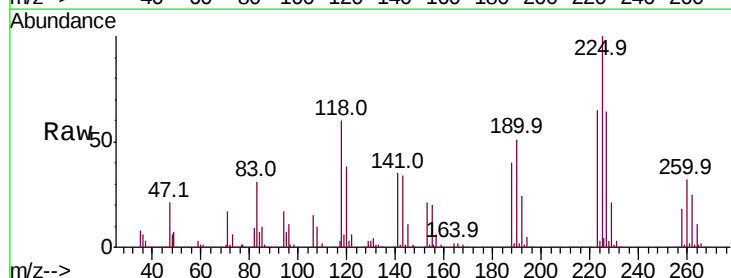
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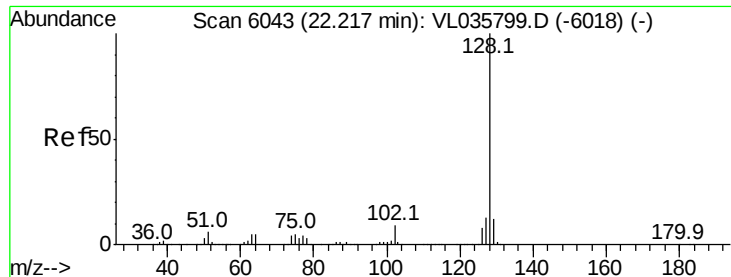


#78
 Hexachloro-1,3-Butadiene
 Concen: 14.967 ppbv
 RT: 23.37 min Scan# 6402
 Delta R.T. -0.02 min
 Lab File: VL035890.D
 Acq: 6 Nov 2020 16:03

Tgt Ion:225 Resp: 1914058

Ion	Ratio	Lower	Upper
225	100		
223	65.1	51.0	76.6
227	64.4	51.2	76.8





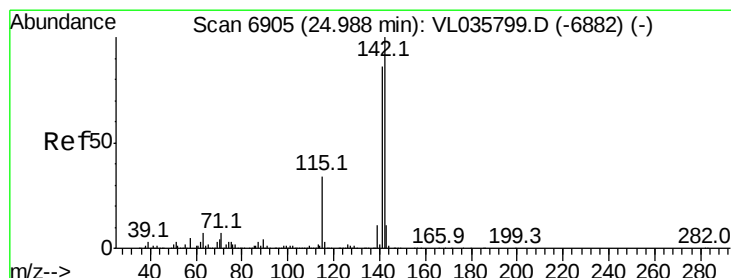
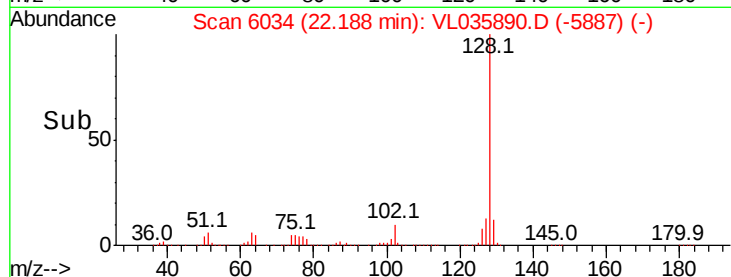
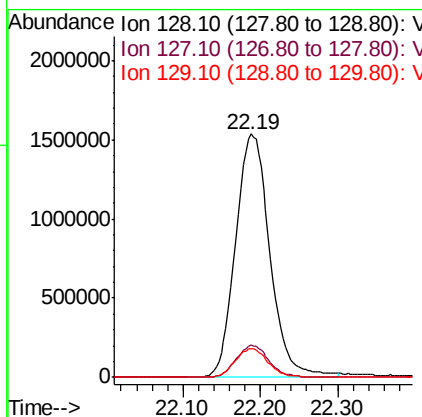
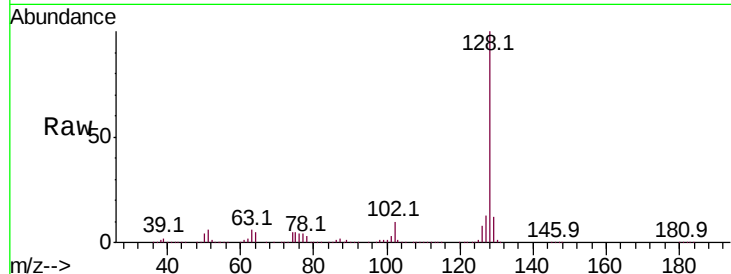
#79
Naphthalene
Concen: 15.390 ppbv
RT: 22.19 min Scan# 6034
Delta R.T. -0.03 min
Lab File: VL035890.D
Acq: 6 Nov 2020 16:03

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion:128 Resp: 4737242
Ion Ratio Lower Upper
128 100
127 13.5 10.2 15.4
129 11.7 9.2 13.8

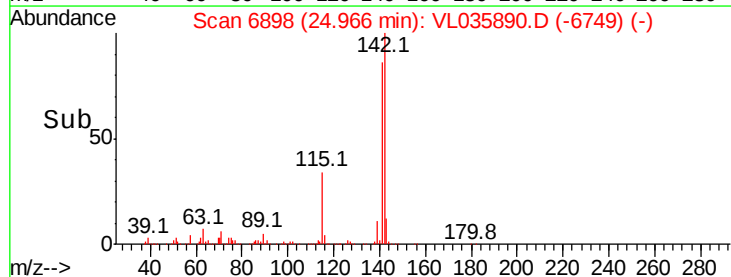
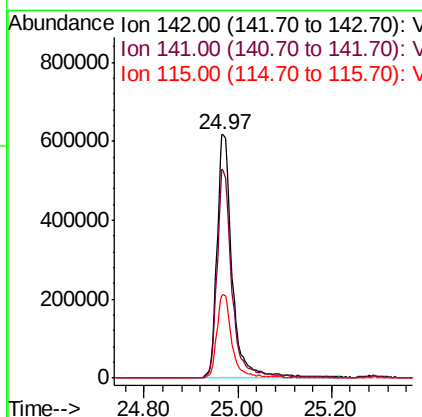
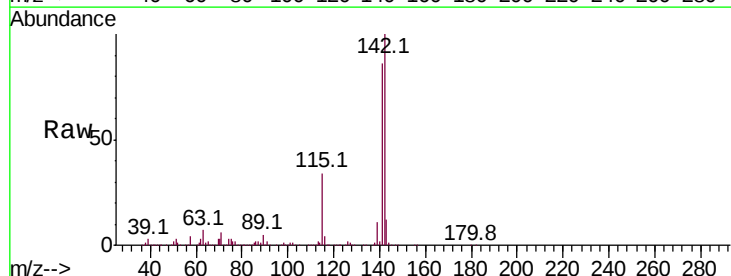
Manual Integrations
APPROVED

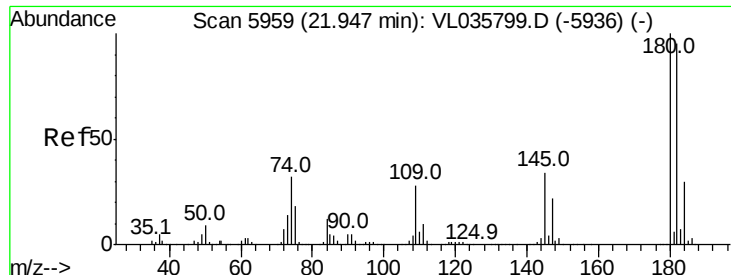
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#80
Naphthalene, 2-methyl-
Concen: 27.810 ppbv
RT: 24.97 min Scan# 6898
Delta R.T. -0.02 min
Lab File: VL035890.D
Acq: 6 Nov 2020 16:03

Tgt Ion:142 Resp: 1395031
Ion Ratio Lower Upper
142 100
141 83.6 67.8 101.8
115 34.4 28.1 42.1





#81
 1,2,4-Trichlorobenzene
 Concen: 14.884 ppbv
 RT: 21.92 min Scan# 5951
 Delta R.T. -0.03 min
 Lab File: VL035890.D
 Acq: 6 Nov 2020 16:03

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
180	100		
182	97.2	77.2	115.8
184	31.5	24.7	37.1

Manual Integrations
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